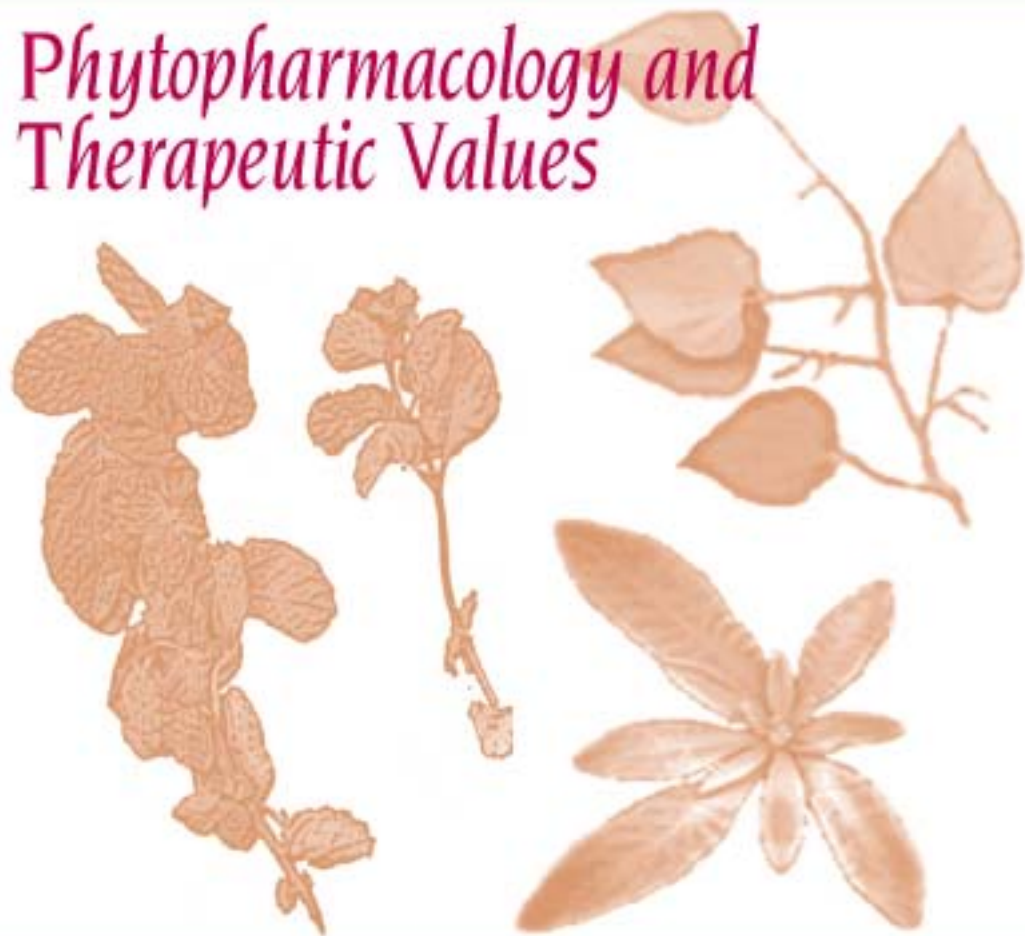


Chinese and Related North American Herbs

*Phytopharmacology and
Therapeutic Values*



Thomas S.C. Li



CRC PRESS

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Foreword

Western researchers are increasingly acknowledging the importance of the traditional herbal preparations that have been the mainstay of Eastern medicine for millennia. Indeed, Western society in general is now consuming numerous herbal medicines, and over-the-counter commercial herbals now compete with prescription pharmaceuticals. Given the European origin of Western society, it is not surprising that European plants dominate the medicinal plant industry of the West. However, Asian medicinal plants are now enthusiastically being incorporated into Western medical practice, most particularly Chinese herbs. Unfortunately, while there is an incredible wealth of knowledge about Chinese herbs, most of this information has been unavailable to Western society, and even the accessible information has often been in obscure sources. The famous 15th century physician Paracelsus taught that the only difference between a medicine and a poison was the dose, so it is critical to know not only what potentially useful chemicals are present in given plant species, but also the potential for toxicity. Lack of knowledge of both the therapeutic and toxic properties of Chinese medicinal herbs has doubtlessly retarded progress toward developing more effective medications.

Chinese and Related North American Herbs by Dr. Thomas Li represents a milestone in educating Western society about a previously unavailable treasure chest of medicinal knowledge.

This book is an authoritative and comprehensive reference guide to a very large number of significant Chinese medicinal herbs. A gold mine of information is available on their chemical constituents and therapeutic applications. This will be extremely useful to a wide range of health-care professionals who deal in one way or another with medicinal plants. The current heated debate regarding the comparative values of traditional herbal preparations and physician-prescribed pharmaceuticals should in no way detract from the value of this book, since Chinese medicinal herbs are not simply useful in herbal form, but also have immense potential for contributing to the development of new pharmaceuticals.

Dr. Li's dual presentation of Chinese herbs and their close North American relatives is a stroke of genius. Charles Darwin was one of the first to be puzzled by the fact that many plants of eastern Asia are remarkably similar to many plants of eastern North America. We now know that this phenomenon is due to the existence of an ancient, continuous temperate flora that became separated by geological and climatic changes. Accordingly, many Chinese herbs can be expected to have similar chemicals and similar medicinal values to their North American counterparts, and Dr. Li presents this extremely important information more competently than anyone to date.

Dr. Li, one of the world's leading authorities on medicinal plants, has dedicated many years of effort to acquiring and condensing the information presented in this reference text. He is to be congratulated on this superb and invaluable synthesis.

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Preface

The use of medicinal herbs for treating human disease started in China thousands of years ago. Eighty percent of the world's population is still using traditional medicine, either because they have no access to Western medicine or choose not to use it. Recently, the use of medicinal herbs, especially Chinese herbs and their products, has attracted considerable attention around the world and generated extensive research on their philosophy, principles, and especially the scientific background of the chemical components responsible for their claimed therapeutic value.

Research in Chinese medicinal herbs has been conducted for decades in China, Japan, and Korea and recently in the West. Unfortunately, language barriers and the unreliability of sources and herbal material have hampered progress. A basic scientific understanding of the Chinese herbal preparations is the first step toward building consumer confidence in herbal medications. Proper procedures to eliminate adulteration, contamination, and toxic side effects are also urgently needed to regulate the use of Chinese herbs.

This book is designed to provide researchers with easy access to information on Chinese medicinal herbs compiled from widely scattered sources in the Chinese and Western literature. Table 1 presents current available information on the major constituents and therapeutic values of more than 1800 species of Chinese medicinal herbs. The data are arranged alphabetically by the Latin name followed by the common Chinese and English names. Tables 2 and 3 present data on a total of 700 North American herbs belonging to the same species or genus as Chinese herbs, and a comparison of active ingredients and claimed therapeutic values. Appendices 1, 2, and 3 cross-reference Chinese and scientific names, and major active ingredients and their sources in the Chinese and North American herbs cited in the tables.

The information in this book is primarily for reference and education. It is not intended to be a substitute for the advice of a physician. The uses of medicinal plants described in this book are not recommendations, and the author is not responsible for liability arising directly or indirectly from the use of information in this book.

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The author thanks Lynne Boyd and Peggy Watson, librarians, for their efforts in the literature search. I also thank my colleagues, Drs. Tom Beveridge, Cheryl Hampson, Dave Oomah, and Peter Sholberg, for their valuable assistance. Finally, I would like to thank my family for their encouragement.

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Chinese Medicinal Herbs: Phytopharmacology and Therapeutic Values

In spite of the great advances of modern scientific medicine, traditional medicine is still the primary form of treating disease for the majority of people in developing countries, including China. Even among those to whom Western medicine is available, the number of people using one form or another of complementary or alternative medicine is rapidly increasing worldwide.³⁸⁴ In the U.S. alone, the consumption of medicinal herbs is rising at approximately 15% annually.³⁸⁵

Herbal medicine is important to a majority of the world's population, and not only for treating diseases.^{33,50,53,58,270,381,382} Many prescription drugs, such as aspirin, codeine, and digoxin, have their origins in herbal medicines.³⁶³ On the basis of global survey data from 1997, about 119 plant-derived compounds of known structure are currently used as prescription drugs.^{366,369}

With its abundant botanical resources, China has been a pioneer in treating human diseases with medicinal herbs. The medicinal use of herbs in China by tradition has been attributed to a legendary emperor, Shen Nong (3494 BC), who tasted and tested plants and discovered their medicinal properties.^{373,389} The recorded use of plants for medicinal purposes in China dates back to 2800 BC.³⁶⁸ The most comprehensive classic herbal encyclopedia, *Ben Cao Gang Mu*, a description of formulas or prescriptions to treat human diseases, was published in the 16th century by Dr. Li Shizhen (1517–1593 AD).^{373,389} This original *materia medica* recorded over 350 crude drugs; since then a great number of drugs and prescriptions have been added.^{364,372} In 1958, the year of the Great Leap Forward, Chairman Mao declared that Traditional Chinese Medicine (TCM) was a vast treasure chest and challenged the Chinese people to validate its efficacy and to combine the best elements of TCM with modern Western medicine to improve the nation's health-care delivery system.⁵⁰ In 1999, Hong Kong's Chief Executive, Tong Chee-Hwa, announced his intention to develop Hong Kong as a world center for TCM.

In the West, popular demand for and scientific interest in alternative medicine, particularly medicinal herbs, have increased considerably in recent years. The success and acceptance of the Chinese experience have stimulated new research focused

on the specific beneficial effects of Chinese herbal medicine.^{379,391,394,395} Some herbs commonly used in Chinese medicine have been studied and chemical constituents that could represent the therapeutic actions of the herbs have been identified.^{372,390} However, numerous mechanisms are likely involved in the various actions of a single herbal medicine. Elucidation of these mechanisms will provide the scientific basis for establishing the efficacy and safety not only of Chinese herbal medicine, but all forms of medicinal herbs.³⁶⁸

In China, herbal medicines in the ancient tradition continue to be widely used.³⁷³ These medicines commonly contain ten or more herbs, thereby making it difficult to determine the pharmacological effects of individual drugs incorporated in prescriptions. In modern Western medicine, the use of a single chemical component is preferred in order to avoid drug interactions. In Chinese medical philosophy, therapeutic value and efficiency are increased by combining various herbs and ingredients in one prescription to treat a single disease.³⁶⁸ A compound prescription often consists of four different functional groups and each group usually comprises more than one herb. The “principal” provides the principal curative effect; the “adjuvant” helps strengthen the principal effect; the “auxiliary” relieves secondary symptoms or decreases the toxicity of the principal and the “conductant” directs the action of the principal to the target organ or site.³⁶⁹ There are several logical explanations for the philosophy of mixing several crude extracts to achieve greater benefits. First, crude drugs given in combination may act synergistically. Second, the combination may have unknown interactions that might diminish possible adverse side effects of one or more of the components. Third, the combination may prevent the gradual decline in effectiveness observed when single drugs are given over long periods of time.³⁶⁸

Chinese herbal medicine generally uses either the whole plant or crude extracts as medicines, which tend to include a wide range of chemical constituents. Neither the whole plant nor crude extracts deliver highly concentrated medicines.³⁶³ By contrast, conventional Western prescription drugs usually contain a single-molecule active ingredient to treat a single ailment. This practice is more likely to cause side effects than the gentler and less concentrated phytochemicals in traditional herbal medicines.^{362,363}

In recent scientific investigations conducted in China, active ingredients have been isolated from herbal preparations. Many studies have focused on the effects of active ingredients both *in vivo* and *in vitro*, and on providing pharmacological data compatible with the modern scientific view.³⁷³ However, it has been suggested that the quality of trials needs substantial improvement in order to promote evidence-based decision-making,³⁷⁷ and frequently it has not been determined whether actions of isolated compounds shown *in vitro* or in animal studies would be relevant to the doses of herbal medication used in clinical practice.³⁷³ More systematic analysis and testing of Chinese herbs are needed for the development of a standard set of therapeutic agents that may be administered with reliable efficacy and good quality control.^{366,378}

In order for Chinese herbal medicine to be accepted as reliable alternative medicine, the safety of medicinal herbs and their efficacy for the treatment of specific diseases must be demonstrated.^{368,385,397,400} A first step is establishing reliable sources

of ingredients. In addition, the problems of adulteration, contamination, and toxicity must be overcome before Chinese herbal medicine can be accepted as a major medical system in the West. Chinese herbal medications have been reported to be accidentally, or sometimes deliberately, contaminated with heavy metals and/or conventional drugs.^{383,392,393} Eleven cases of liver damage were reported following the use of Chinese herbal medicines for skin conditions.³⁶⁵ One of the herbs used in a weight-reducing pill (*Stephania tetrandra*) was inadvertently replaced in a manufacturing error by *Aristolochia fangchi*, which is nephrotoxic and carcinogenic.³⁷⁰ In another herbal prescription, *Stephania tetrandra* was incorrectly substituted with *Aristolochia westlandi*, which contains nephrotoxins and Aristolochia acids. Its use caused more than 100 cases of kidney nephropathy.³⁷⁴ Many herbs used for common purposes contain potentially toxic ingredients and overdoses can also cause problems. An herb commonly used for its anti-inflammatory properties, *Aconitine carmichaeli*, contains aconitine, which causes neurological and cardiac toxicity.³⁷⁵ The root of licorice (*Glycyrrhiza uralensis*), used in many preparations, is considered safe; however, it contains glycyrrhizic and glycyrrhetic acids, and large doses can cause hypokalemia and sodium and water retention.³⁷⁵ *Ginkgo biloba* extract can inhibit platelet aggregation and sometimes cause spontaneous hemorrhaging.³⁷⁵

As herbal remedies grow in popularity, it becomes increasingly important to understand potential interactions between herbs and prescription drugs. Many herbs have powerful effects which may be increased or counteracted by pharmaceutical drugs and vice versa.³⁹⁹ This is equally important to Chinese herbs. However, a major handicap is the lack of sufficient knowledge of chemical components involved in Chinese herbal preparations.

Negative media reports on medicinal use of Chinese herbs have attracted a great deal of attention, especially because the use of these herbs is relatively new to the West. Adulteration, contamination, and toxicity have been found from time to time in medicinal herbs from many parts of the world. However, herbal medicine is still considered comparatively safe. In early 2000, Dr. James Duke of the U.S. Department of Agriculture noted that one quarter to one half of all Americans take herbs or herbal supplements but only about 40 Americans died from them in the prior year, whereas prescription drugs kill 80,000 to 120,000 people annually.³⁶² Out of 1,701 patients admitted to a Hong Kong hospital, only three were admitted because of adverse reactions to Chinese herbal drugs.³⁷⁶ Four percent of 2,695 patients admitted to a Taiwanese hospital had drug-related problems. Herbal medicines ranked third among the categories of medicines responsible for causing adverse effects.³⁷⁶

Strong regulations and precise quality control are the best measures for monitoring herbs on the market, especially imported Chinese herbs, and can detect substitution, heavy metal contaminations, and illegally added prescription drugs. In addition, the systematic analysis and testing of Chinese herbs may lead to a greater understanding of the biologically active chemical components that are responsible for the claimed therapeutic values. The level of active ingredients has been used as a standard or marker for the quality of raw plant materials and value-added products in the West.⁹⁵ This is an important approach and should be applied to Chinese herbs, since each plant species or variety produces different chemical compounds, with varying medicinal values.

Scientific Name	Common Chinese and (English) Name	Major Constituents and (sources)	Therapeutic Values*
<i>Abrus precatorius</i> L.	Siang Si Zi (Prayer beads)	(seed) l-Abrine, precatorine, hypaphorine, cycloartenol, squalene, trigonelline, 5- β -cholanolic acid. ^{33,450}	Antiemetic, expectorant, parasiticide.
<i>Abutilon theophrasti</i> Malv. <i>A. avicennae</i> Gaertn. Fruct. Sem.	Gou Ma (Flowering maple)	(aerial part) Rutin, pentose, pentosan, methylpentosan, uronic acid, methypentose, oil, protein. ⁴⁸	Treat dysentery, fevers, a diuretic.
<i>Acacia catechu</i> Willd.	Er Cha (Catechu, Jerusalem thorn)	(peeled branch) d-Catechin, catechutanic acid, epicatechin, gambir-fluorescein, gambirine, mitraphylline, tannin, roxburghine D. ^{33,450}	Promote salivation, resolve phlegm, stop bleeding, treat pyogenic infections.
<i>Acacia confusa</i> Merrill	Xiang Si Shu (Black cutch)	(bark) Amino acids. ⁵⁵	Externally to stop bleeding, treat snake bite.
<i>Acacia nemu</i> Willd. (Syn. <i>Albizia julibrissin</i>)	He Huan Pi (Mimosa)	(bark) Tannins, saponins. ⁴⁹	Tonic, stimulant, anthelmintic.
<i>Acalypha australis</i> L.	Tie Xian Cai (Copper leaf)	(aerial part) Acalyphine, tannic acid, gallic acid. ³³	Antibacterial, antiasthmatic, antipyretic, detoxicant, antidysenteric, hemostatic.
<i>Acalypha farnesiana</i> Willd. <i>A. indica</i> L.	Jin He Huan Indian Ren Xian (Wild copper leaf)	(whole plant) Acalyphine. ⁵⁵	Diuretic, treat diarrhea.

<p><i>Acanthopanax gracilistylus</i> Harms. <i>A. giraldii</i> (Harms.) Nakai <i>A. spinosum</i> Miq.</p>	<p>Wu Jia Pi (Thorny catalpa)</p>	<p>(stem, bark) 4-Methoxysalicylaldehyde, vitamin A, beta-sitosterol, arachic, linoleic acid, essential oil, palmitic acid, diterpene, tannic acid, calcium oxalate, polysaccharides, 6-isoinosine, syringaresinol, diglucoside, 1-hexacosene, d-sesamine, triterpene glycosides.^{49,50,433,444,481,482,485}</p>	<p>For anodyne, arthritis, backache, beriberi, carminative, antitumor, antipyretic effect, suppressive effect on human lymphocytes <i>in vitro</i>, anti-inflammatory</p>
<p><i>Acanthopanax senticosus</i> (Rupr. et Maxim.) Harms. <i>A. senticosus</i> (Rupr. et Maxim.) var. <i>subinermis</i> (Regel) Kitag.</p>	<p>Ci Wu Jia Shao Ci Wu Jia (Siberian ginseng)</p>	<p>See <i>Eleutherococcus senticosus</i></p>	
<p><i>Acanthopanax sessiliflorus</i> (Rupr. et Maxim.) Seem.</p>	<p>Duan Geng Wu Jia</p>	<p>(root, bark) 1-Sesamin, savinin, acanthosides, syringaresinol, daucosterin, daucosterol.⁴⁸</p>	<p>Diuretic, anti-inflammatory.</p>
<p><i>Acanthopanax trifoliatum</i> (L.) Merr.</p>	<p>San Ye Wu Jia</p>	<p>(leaf) Taraxerol.⁵⁴</p>	<p>Treat cold, cough, neuralgia, rheumatism.</p>
<p><i>Achillea alpina</i> L. <i>A. millefolium</i> L.</p>	<p>Shi Cao (Siberian yarrow)</p>	<p>(aerial part) Alkaloids, essential oils, achillin, flavonoides, betonicine, achilleine, d-camphor, oxalic acids, ether oils, hydroxycinnamic acids, hydrocyanic acids, hydroxybenzoic acids, anthocyanidines, anthraquinones, phytosterines, carotene, coumarins, monoterpene, sesquiterpene glucosides, desacetylmatricarin.^{33,222,450}</p>	<p>Antibacterial, treat menopause, abdominal pain, acute intestinal disorder, wound infection, snakebite.</p>

Scientific Name	Common Chinese and (English) Name	Major Constituents and (sources)	Therapeutic Values*
<i>Achyranthes asperia</i> L. var. <i>indica</i> L.	Tu Niu Teng (Prickly chaff flower)	(seed) Beta-carotene, thiamine, riboflavin, niacin, saponins, ascorbic acid, protein. ⁵⁰	Antispasmodic, diuretic, induce labor, antifertility, anti-inflammatory.
<i>Achyranthes bidentata</i> L.	Huai Niu Teng (Long leaf chaff flower)	(root) Inokosterone, ecdysterone, polysaccharides. ³³	Anticancer.
<i>Achyranthes japonica</i> (Miq.) Nakai	Japan Niu Teng (Japanese chaff flower)	(leaf, root) Calcium oxalate, saponin, oleoic acid, ecdysterone, inokosterone. ⁵⁰	Antirhythmic, anodyne, treat amenorrhea, carbuncles, fever, dystocia, and urinary ailments.
<i>Aconitum balfourii</i> Stapf. <i>A. carmichaelii</i> Debeaux <i>A. chasmanthum</i> Stapf. <i>A. deinorrhizum</i> Stapf. <i>A. fischeri</i> Reichb. <i>A. jaluense</i> Kom. F. glabrescens (Nakai) Kitag. <i>A. koreanum</i> R. Raymund <i>A. napellus</i> L. <i>A. praeparata</i> Stapf. <i>A. volubile</i> Pall. ex Koelle var. <i>oligotrichum</i> (DC) Kitag.	Fu Zi, Wu Tao (Wolfsbane)	(root) Aconitine, hypaconitine, pseudoaconitine, mesaconitine, talatisamine. ^{33,144,262,450} This herb is highly toxic.	Cardiotonic, antinociceptive, anti-inflammatory, analgesic effects.
<i>Aconitum barbatum</i> Persoon <i>A. austroyunnanense</i> W. T. Wang.	Xue Shang Yi Zhi Hao	(root) Bullatines, aconitine, talatisamine, vilmorrianines, isotalatizidine. ^{33,270}	Analgesic effect, relieve pain, activate blood circulation, reduce swelling, curative effect on rheumatism, apoplexy, palsy, fracture.

<i>Aconitum laciniatum</i> Stapf. <i>A. kusnezoffii</i> Reichenbach <i>A. chinense</i> Paxt. <i>A. vilmorinianum</i> Kom. <i>A. pariculigerum</i> Nakai	Cao Wu	(root) Hypaconitine, aconitine, aconine, mesaconitine, talatisamine. This herb is highly toxic. ³³	Analgesic, sedative, vagal- stimulation, local anesthetic effect.
<i>Acorus calamus</i> L. var. <i>angustatus</i> Besser <i>A. gramineus</i> Ait. <i>A. tatarinowii</i> L.	Chang Pu (Sweet flag)	(leaf, root) Acoric acid, beta-asarone, yellow bitter aromatic volatile oil, alpha- pinene, d-camphene, calamene, calamenol, calamenone. ^{50,357,450}	Anticonvulsant, analgesic, aphrodisiac, carminative, contraceptive, dessicant, diaphoretic.
<i>Acronychia pedunculata</i> (L.) Miquel <i>A. laurifolia</i> Blume	Jiang Zhen Xiang Sha Tong Mu	(stem) Actronycine, bauerenol, nitroacronycine. ⁵⁰	Treat bleeding and pain, heart disease.
<i>Actaea asiatica</i> Hara.	Lai Ye Sheng Ma (Asian baneberry)	(aerial part) <i>trans</i> -Aconitic acid. This herb is toxic. ⁵¹	A prophylactic against pestilence, malaria, evil miasma.
<i>Actinidia arguta</i> (Sieb. et Zucc.) Planch ex Miq. <i>A. chinensis</i> Planch. <i>A. japonica</i> Nakai <i>A. kolomikta</i> (Maxim. ex Rupr.) Maxim. <i>A. polygama</i> (Sieb. et Zucc.) Planch. ex Maxim.	Mi Hou Tao (Kiwi)	(whole plant) Matatabic acid, iridomyrmecin, actinidine, allomatatabiol, iridomyrmecin, neo-nepetalactone, dihydronepetalactol, matatabiether, isoneomatatabiol, matatabistic acid, neomatatabiol, vitamin C, vitamin B. ^{48,50,52}	For esophageal and liver cancers, rheumatoid arthritis, arthralgia, urinary stones, fever.
<i>Adamia chinensis</i> Gard. et Champ. <i>A. cyanea</i> Wall. <i>A. versicolof</i> Fortune (Syn. <i>Dichroa febrifuga</i>)	Chang Shan (Chinese quinine, fever flower)	(root) Alpha-dichroine, beta-dichroine, gamma-dichroine. ⁴⁹ This herb is toxic.	Antimalarial, antipyretic.

Scientific Name	Common Chinese and (English) Name	Major Constituents and (sources)	Therapeutic Values*
<i>Adenophora coronopifolia</i> Fisch. <i>A. paniculata</i> Nannf. <i>A. pereskiaefolia</i> (Fisch.) G. Don <i>A. polymorpha</i> Ledeb. <i>A. remotiflora</i> (Sieb. et Zucc.) Miq. <i>A. stenanthina</i> (Ledeb.) Kitag. <i>A. tetraphylla</i> Mak.	Sha Seng (Bluebell)	(root) Saponins. ³³	Hemolyze blood cells, stimulate myocardial contraction, antibacterial.
<i>Adenophora triphylla</i> (Thunb.) DC <i>A. verticillata</i> Fisch.	Che Ye Sha Seng Lun Ye Sha Seng (Bellflower)	(root) Inulin, taraxerone, beta-sitosterol, daucosterol, beta-sitosteryl palmitate, lupenone. ⁵³	Antidotal, aphrodisiac, demulcent, expectorant, restorative, sialogogue, tonic.
<i>Adiantum boreale</i> Presl. <i>A. capillus-junonis</i> Rupr. <i>A. pedatum</i> L. <i>A. flabellulatum</i> L.	Tie Xian Jiu (Black maidenhair) Guo Tan Loan (Maidenhair fern)	(root) Adipeditol, adiantone, hopadiene, isoadiantone, isofermene, fernene, gamma-fermene, filicene, filicenal, fernadiene. ⁴⁸	Treat cold and grippe.
<i>Adina rubella</i> Hance. <i>A. ratemosa</i> (Sieb. et Zucc.) Miquel	Shui Yang Mei Gen Shui Tuan Hua (Reddish modelwood)	(root, flower) Nucleoside, beta-sitosterol, noreugenin, quinoric acid, saponin, betulinic acid, morolic acid, cincholic acid, stigmasterol. ⁵⁸	Astringent, carminative, for dysentery, enteritis, hemorrhage, anticancer.
<i>Adonis brevistyla</i> Franch. <i>A. chrysocyathus</i> Hook F. & T. Thoms. <i>A. vernalis</i> L.	Fu Shou Cao (Amur adonis)	(aerial part) Cymarol, adonilide, pergularin, corchoroside A, convallatoxin, isoramanone. ³³ This herb is toxic.	Treat heart disease and depression, diuretic.

<p><i>Aesculus chinensis</i> L. <i>A. indica</i> Colebr. <i>A. hippocastanum</i> L.</p>	<p>Sha Lou Zi (Horse chestnut)</p>	<p>(ripe fruit) Protoescigenine, escigenin, aescine, flavonoid glycosides, aesculine, albumin, fatty oils, amylose, oligosaccharides.^{33,450}</p>	<p>Promote circulation, relieve epigastrium pain, promote digestion.</p>
<p><i>Agastache rugosa</i> (Fisch. & Mey.) O. Kuntze <i>A. rugosa</i> (Fisch. & Mey.) O. Kuntze f. hypoleuca (Maxim.) Hara</p>	<p>Huo Xiang (Chinese giant hyssop)</p>	<p>(leaf) Essential oils, methylchavicol, anethole, anisaldehyde, d-limonene, hexenol, calamene, caryophyllene, p-methoxycinnamaldehyde, d-pinene, beta-pinene, octanol, cymene, linalool, elemene, farnesene.^{48,306}</p>	<p>Chest congestion, diarrhea, headache, nausea, antipyretic, carminative, febrifuge, stomachic.</p>
<p><i>Ageratum conyzoides</i> L. <i>A. houstonianum</i> Mill.</p>	<p>Sheng Hong Yu (Bastard agrimony)</p>	<p>(leaf, root) Cyanogenic glucoside, coumarin, agerato-chromene, 7-methoxy-2,2- dimethylchromene, beta- caryophyllene.⁵⁰</p>	<p>For digestive disorder, fever, rheumatism, gonorrhea, tetanus, syphillis.</p>
<p><i>Agrimonia eupatoria</i> L. <i>A. pilosa</i> Ledeb. <i>A. pilosa</i> Ledeb. var. japonica (Miq.) Nakai <i>A. pilosa</i> Ledeb. var. simplex T. Shimizu <i>A. pilosa</i> Ledeb. var. viscidula (Bunge) Kom. <i>A. viscidula</i> Bunge.</p>	<p>Loan Mao Cao, Xian He Cao (Agrimony)</p>	<p>(whole plant) Agrimophol, agrimols, agrimonine, agrimonolide, cosmosiin, vitamin C, luteolin-7-β-D-glucoside, apigenin-7-β-D-glucoside, vitamin K, tannins, catechin derivatives.^{33,48,49,263}</p>	<p>Astringent hemostatic in enterorrhagia, hematuria, metrorrhagia, gastrorrhagia, pulmonary, tuberculosis. A cardiotonic, antihemorrhagic, anthelmintic, anti- inflammatory, antimicrobial.</p>

Scientific Name	Common Chinese and (English) Name	Major Constituents and (sources)	Therapeutic Values*
<i>Ailanthus altissima</i> (Mill.) Swingle	Chun Pi (Stinking cedar)	(root, stem, bark) Amarolide, ailanthone, afzelin, syringic acid, vanillic acid, beta-sitosterol, azelaic acid, d-mannitol, amarolide, oleoresin, mucilage. ^{33,48}	Antidiarrheal, treat dysentery, duodenal ulcers. Astringent, anthelmintic.
<i>Ajuga bracteosa</i> Wallich <i>A. decumbens</i> Thunb. <i>A. pygmaea</i> A. Gray	Jin Gu Cao Jin Chuang Xian Cao (Bugleweed)	(whole plant) Flavone glucoside, luteolin, tannin, ecdysones cyasterone, ecdysterone, ajugalactone, ajugasterone, beta-sitosterol, ajugasterone, cerotic acid, γ -sitosterol, palmitic acid. ^{33,50,450}	Antitussive, antipyretic, antiphlogistic, antibacterial. Treat bladder ailments, diarrhea, bronchitis, a tonic, stimulant, diuretic.
<i>Akebia quinata</i> (Hoytt.) Decne.	Moo Tune (Chocolate vine)	See <i>Clematis armandii</i>	
<i>Alangium chinense</i> (Lour.) Harms.	Ba Jiao Feng	(root) dl-Anabasin. ³³	Cause myocardial stimulation, increase contractility, may cause fibrillation and increase blood pressure.
<i>Alangium lamarckii</i> Lour.		dl-Anabasin, cephaeline, emetine, psychotrine, tubulosine, ankorine isotubulosine, demethyl-tubulosine, demethylpsychotrin, alangicine, deoxytubulosine, alangimarckine, alamarchine, demethylcephaeline. ³³	
<i>Albizia julibrissin</i> Duraz. <i>A. lebeck</i> (L.) Bentham	Hu Hua Pi (Mimosa tree)	See <i>Acacia nemu</i>	

<i>Aletris formosuna</i> (Hayata) Sasaki <i>A. spicata</i> Franch	Fei Jin Cao (Chinese stargrass)	(root) Stigmasterol, beta-sitosterol, diosgenin. ⁵⁴	Antitussive, vermifugal, for ascariasis, marasmus, cough.
<i>Aleurites fordii</i> Hemsl.	You Tong (Candlenut)	(fruit, aerial part, seed) Saponin, alpha-elaeo stearic, oleic acid, palmitic acid, stearic acid, tannins, phytosterols, n-hentriacontane, alpha-amyrin, beta-amyrin, stigmasterol, beta- sitosterolm, campesterol. ^{50,219}	Analgesic activity. Treat anemia, atrophy, edema, vermicide, oil (toxic internally) for parasitic skin diseases.
<i>Aleurites moluceanu</i> (L.) Willd.	Shi Li (China wood oil)	(bark, seed) Protein, carotene, thiamine. ⁵⁰ This herb is toxic.	As poultice for fever, headache, swollen joints, and ulcer.
<i>Alisma cordifolia</i> Thunb. <i>A. orientalis</i> (Sam.) Juzep. <i>A. plantago</i> L. <i>A. plantago-aquatica</i> L.	Ze Xie (Water plantain)	(stem, root) Alisol A, alisol B, polysaccharide, alisol monoacetate, sesquiterpenes, triterpenes, glucan, epialisol A (essential oil). ^{33,451,452,463,464}	Lower hypercholesteremia, treat hypertriglyceride, immunologic activities, anti- complementary, antiallergic.
<i>Allamanda cathatica</i> L.	Yuan Xi Huang San	(whole plant) Allamandin. ³³	Treat P-388 leukemia.
<i>Allium chinense</i> Max. <i>A. odorum</i> L. <i>A. sativum</i> L. <i>A. tuberosum</i> Roxb. <i>A. uliginosum</i> G. Don	Da Suan (Garlic)	(bulb) Allicin, allistatin, glucominol, neo-allicin, steroidal saponins, polysaccharides, furostanol saponins, proto-isoeurubosides, diallyl sulfide. ^{33,49,438,490,510}	Antibacterial, antimutagenic, anticarcinogenesis, carmin- ative, antiarrhythmic, lower plasma cholesterol and low- density lipoproteins, prevent thrombosis, hypotensive and vessel protective effect.
<i>Allium fistulosum</i> L. <i>A. macrostemon</i> Bunge. <i>A. tartaricum</i> Ait.	Jiu Bai (Scallion) Cong (Green onion) Jiu Cai (Scallion)	See <i>Allium chinense</i>	

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<i>Allium victorialis</i> L. var. <i>platyphyllum</i> (Hult.) Makino	Ge Cong (Serpent garlic)	(whole plant) Methyl allyl disulfide, diallyl disulfide, methyl allyltrisulfide, l-propenyl sulfonic acid, methyl-l-propenyl disulfide, allyl-l-propenyl disulfide. ^{48,50}	A diuretic, vermifuge, treat cold.
<i>Alnus japonica</i> (Thunb.) Steudel <i>A. japonica</i> (Thunb.) Steudel var. <i>koreana</i> Callier	Ce Yan (Japanese alder)	(leaf, bark) Alpha-amyrin, betulinic acid, glutin-5-en-3-ol, heptacosane, lupenone, taraxerol. ^{48,50}	Antitumor.
<i>Aloe barbadensis</i> Miller var. <i>chinensis</i> Berger <i>A. vera</i> L.	Lu Wen (Aloe)	(aerial part) Aloins, barbaloin, aloe-emodin, polysaccharides. ^{49,50,403,450,510}	Laxative, stomachic, emmenagogue.
<i>Alpinia japonica</i> Miq.	Yue Tao (Japanese ginger lily)	(seed) Essential oils, cineole, alpinone, izalpinin, rhamnocitrin, kumatakinin. ⁵⁶	Carminative.
<i>Alpinia katsumadai</i> Hayata <i>A. globosum</i> Horan. <i>A. kumatake</i> Mak.	Dou Kou Pi Jiang (Greater galangal)	(whole plant) Kaempferin, galangin, galangol, cineole, citral, carotene, thiamine, riboflavin. ⁵⁰	Carminative, stomachic, treat malarial disorders, fluxes, and menstruation.
<i>Alpinia officinarum</i> Hance	Gao Liang Jiang (Lesser galangal)	(rhizome) Galangol, essential oils, cineol, eugenol, pinene, cadinene, methyl cinnamate, sesquiterpene, dioxyflavonol. ⁴⁹	As stomachic in chronic enteritis, dyspepsia and gastralgia, carminative, antiperiodic, sialogogue.

<i>Alpinia oxyphylla</i> Miq.	Yi Zhi (Chinese lily ginger)	(fruit) Cincole, zingiberene, zingiberol. ⁵⁸	Diuretic, tonic, treat vomiting, and digestive discomfort.
<i>Alpinia speciosa</i> K. Schum.	Shan Jiang (Ginger)	(seed) Zingiberene, zingiberol. ⁵⁴	Stomachic.
<i>Alstonia scholaris</i> (L.) R. Br.	Deng Tai Ye (Dita bark)	(leaf) Picrinine, picralinal, echitamine, echitamidine. ³³	An expectorant, antiphlogistic.
<i>Alternanthera philoxeroides</i> (Mart.) Griseb. <i>A. sessilis</i> (L.) R. Brown	Kong Xin Lian Zi Cao Man Ti Xian	(aerial part) Saponin, coumarin, tannins, falvins. ³³	Treat viral infections, measles, hemorrhagic fever, toxic and icteric hepatitis.
<i>Althaea rosea</i> (L.) Cav.	Shu Kui (Hollyhock)	(shoot, root, seed) Althaeine, dioxybenzoic acid. ⁵⁰	As stomachic, regulative, constructive in fevers, dysentery, diuretic.
<i>Amaranthus caudatus</i> L.	Wei Sui Xian (Amaranth)	(leaf) Betaine. ⁴⁸	A tonic.
<i>Amaranthus lividus</i> L. <i>A. blitum</i> Kom. <i>A. viridis</i> L.	Lu Xian (Strawberry blite)	(leaf) Vitamins, protein, thiamine, riboflavin, ascorbic acid. ⁵⁰	Treat dysentery and inflammation, vermifuge.
<i>Amaranthus paniculatus</i> L.	Fan Sui Xian	(leaf) Betaine. ⁴⁸	Stop bleeding, relieve pain, externally for wounds, broken bones.
<i>Amaranthus tricolor</i> L.	San Se Xian (Jacob's coat, Chinese amaranth)	(leaf) Beta-carotene, thiamine, riboflavin, niacin, ascorbic acid. ⁵⁰	Prevent cancer.
<i>Amomum cardamomum</i> L. <i>A. globosum</i> Lour. <i>A. tsao-ko</i> Roxb. <i>A. villosum</i> L. <i>A. xanthloides</i> Wall.	Bai Dou Ku Cao Guo Shan Ren (Siam cardamon, Chinese cardamon)	(seed) d-Borneol, borneol acetate, d-camphor, linalool, nerolidol, terpene. ⁵⁰	Treat pyrosis, vomiting, dyspepsia, pulmonary diseases. Antitoxic, antiemetic, carminative, stomachic.

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<i>Amorphophallus rivieri</i> Durieu	Mo Yue	(whole plant) Leviduline, levidulinase, mannose. ⁵⁰ This herb is toxic.	Treat aching bones, eye inflammation, cancer, ulcers, snakebite.
<i>Ampelopsis aconitifolia</i> Bunge.	Cao Bai Ching	(root bark, stem, leaf) Flavonoids, glucosides, amino acids. ⁴⁸	Externally as an antiseptic for swollen abscesses.
<i>Ampelopsis brevipedunculata</i> (Maxim.) Trautv.	Ye Pu Tao Teng (Snake grape)		Antitoxic, relieve pain and bleeding, treat arthritis.
<i>Ampelopsis japonica</i> (Thunb.) Mak. <i>A. bodinieri</i> (Levl. & Vant.) Rehd. <i>A. contonensis</i> (Hook & Arn.) Planch. <i>A. humulifolia</i> Bunge.	Bai Lian (Peppervine)	(root bark, stem, leaf) Flavonoids, glucosides, amino acids. ^{48,60}	Anodyne, astringent anticonvulsive, detoxicant, treat tubercular cervical nodes, hemorrhoidal bleeding. Treat pain of rheumatism.
<i>Anagalis arvensis</i> L.	Hi Lu	(root) Anagalline, anagalligenone, arrenin, cucurbitacins. ⁵⁵	Treat snakebite, dog bite, antitoxic.
<i>Ananas comosus</i> (L.) Merrill	Feng Li	(leaf) Ergosterol peroxide, ananasic acid, 5-stigmautena-3 β ,7d-diol, 3,4-dihydroxycinnamic acid, 4-hydroxycinnamic acid, bromelin, vitamins. ⁵⁷	Antioxidant activity, for digestion, lower blood pressure, anticancer.

<i>Andrographis paniculata</i> (Burm. f.) Nees	Chuan Xin Lian (Creat)	(aerial part) Deoxyandrographolide, andrographolide, neoandrographolide, dehydroandrographolide. ³³	Antibacterial, antipyretic, anti-inflammatory.
<i>Anemarrhena asphodeloides</i> Bunge.	Zhi Mu	(rhizome) Steroidal saponins, mangiferin, isomangiferin, sarsasapogenin, markogenin, neogitogenin. ^{10,11,33}	Antipyretic, anti-inflammatory, sedative, antibacterial.
<i>Anemone cernua</i> Thunb. <i>A. pulsatilla</i> <i>A. pulsatilla</i> var. <i>chinensis</i> Bunge.	Bai Tu Own (Pulsatila)	(root) Saponins, protoanemonin. ⁴⁹	A cardiac and nervous system sedative, antispasmodic, anodyne in asthma and pulmonary infections, antidiarrheic.
<i>Anemone raddeana</i> Regel <i>A. rivularis</i> Buch-Hamilton ex DC <i>A. rivularis</i> Buch-Hamilton ex DC var. <i>flore-minore</i> Maxim. <i>A. vitifolia</i> (Buch. Ham.) Nakai	Yin Lian Hua, Liang Tao Jian Cao Yu Mei Ye Mian Hua (Anemone)	(rhizome) Raddeanin A, hederasaponin B, raddanoside, ranuneulin, oleanolic acid. ^{33,48}	Antitumor, anti-inflammatory, antirheumatic arthritis.
<i>Anethum graveoleus</i> L.	Shi Luo (Dill)	(fruit, young shoot) Essential oils, d-carvone, dillapiole, limonene, bergapten, umbelliprenin, camphene, dihydrocarvone, dillapiole, dipentene, isomyristicin. ^{48,50}	Carminative, stimulant.

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<i>Angelica amurensis</i> Schischk. <i>A. anomala</i> Lalle. <i>A. dahurica</i> (Fisch.) Benth. et Hook.	Bai Zhi (Angelica)	(root) Byak-angelicin, byak-angelicol, oxypeucedanine, imperatorin, phellopterin, xanthotoxine, marmesin, scopoletin, marmesin, anomalin, angenomalin, bergapten, imperatoin, pabulenol, isoimperatorin, oxypeucedanin, neobyakangelicol. ^{33,486}	Antipyretic, treat toothache, headache, antitumor. Externally for mastitis and wound infection.
<i>Angelica decursiva</i> (Miq.) Franch. et Savat.	Qian Hu	(root) Nodakenin, nodakenetin, decursin, decursidin, umbelliferone, andelin, 3'-angeloyloxy-4'-isovaleroyloxy-3', 4'-dihydroxanthyletin, estragol, umbelliprenin, imperatorin, sioimperatorin, spongesterol, hydroxypeucedanin, decuroside, estragol, spongesterol. ⁴⁸	Anodyne, carminative, diuretic, stimulant, suppurative. Treat abscesses, boils, catarrh, cold, coryza, dysmenorrhea, epistaxis, fever.
<i>Angelica grosserrata</i> Maxim.	Fu Shen	(root) Angelic, linoleic, oleic, palmitic, stearic acids. ⁵⁰	Antispasmodic, diaphoretic, diuretic. Treat apoplexy, swellings, catarrh, dropsy, headache, leprosy, puerperium.
<i>Angelica polymorpha</i> Max. <i>A. sinensis</i> (Oliv.) Diels	Dan Gui	(root) Vitamin B ₁₂ , vitamin E, ferulic acid, succinic acid, nicotinic acid, uracil, adenine, butylidenephthalide, ligustilide, folic acid, biotin, polysaccharide. ³³	Treat irregular menstruation, anemia, thrombophlebitis, neuralgia, arthritis, chronic nephritis, constrictive aortitis, skin disease such as eczematous dermatitis.

<i>Angelica pubescens</i> Maxim.	Du Huo	(root) Coumarins, bergapten, glabralactone, osthol, angelol, angelic acid, angelicotoxin, byak-angelicin, byak-angelicol, tiglic acid, umbelliferone. ⁵⁰	For abscesses, arthritis, cold, epistaxis, headache, toothache, hematochezia, hematurai, lumbago, rheumatism.
<i>Anredera cordifolia</i> (Tenore) Van Steen	Yang Lu Kui	(whole plant) 3-hydroxy-30-horoleana-12, 18-dien-29-oate, larreagenin, ethyl ester, ursolic acid. ⁵⁷	Treat boils.
<i>Anthriscus aemula</i> (Woron.) Schischk. <i>A. aemula</i> (Woron.) Schischk. f. <i>hirtifruca</i> (Ohwi) Kitag. <i>A. sylvestris</i> (L.) Hoffm.	Wo Seng (Wild caraway)	(root) Anthriscin, deoxypodophyllotoxin, isoanthricin, luteolin, oxalic acids, hydroxycinnamic acids, ether oils, hydroxybenzoic acids, coumarins, anthocyanidines, anthraquinones, phytosterines, carotenes, monoterpene, sesquiterpene glucosides, hydrocyanic acids. ^{50,222}	Antitumor, glandular tumors, corns, warts.
<i>Antiaris toxicaris</i> (Pers.) Lesch.	Jian Xui Fuan Hou	(seed) Alpha-antiarin, alpha-antioside, convallatoxin, bogoroside, strophalloside, peripalloside. ³⁵	A cardiotoxic, emetic, lactogenic, antipyretic. Treat dysentery.
<i>Apium graveolens</i> L.	Qin Cai (Celery)	(whole plant) Apiin, graveobioside A, graveobioside B. ³³	Treat hypertension, hypercholesterolemia.
<i>Apocynum venetum</i> L.	Luo Bu Ma	(leaf, root) Cymarín, strophantidin, k-strophanthin- β , isoquercitrin, quercetin. ³³	Increase myocardial contractility, lower blood pressure, increase bronchial secretion, diuretic.

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<i>Aquilaria agallocha</i> Roxb. <i>A. sinensis</i> (Lour.) Gilg.	Chen Xiang (Aloe wood)	(stem wood) Agarospirol, alpha-agarofuran, agarol, beta-agarofuran, benzylacetone, hydrocinnamic acid, hydroagarofuran. ³³	Antiemetic, promote circulation, relieve pain.
<i>Aquilegia buergeriana</i> Sieb. et Zucc. f. <i>pallidiflora</i> (Nakai) Kitab. <i>A. buergeriana</i> Sieb. et Zucc. var. <i>oxysepala</i> (Trautv. et Mey.) Kitam. <i>A. parviflora</i> Ledeb.	Xue Jian Chou	(whole plant) Benzylacetone, terpene alcohol, p-methoxybenzylacetone. ^{48,60}	Treat irregular menstruation, ovarian bleeding, shortness of breath, nausea, pain and gas, chills.
<i>Arachis hypogaea</i> L.	Luo Hua (Peanut, groundnut)	(seed) Amino acids, protein, arachine, globulin, biotin, glycyrrhizin, glucosides, thiamine, riboflavin, niacin, carbohydrate. ^{48,50}	A cemelcent, nutritive, pectoral, peptic. As an emollient, applied externally for rheumatism.
<i>Aralia chinensis</i> L. <i>A. cordata</i> Thunb. var. <i>continentalis</i> (Kitag.) Y. C. Chu <i>A. elata</i> (Miq.) Seem. <i>A. elata</i> (Miq.) Seem. F. subinermis Y. C. Chu	Jia Mu, Du Huo (Aralia)	(root) Diterpenoids such as (–) pimaradene, (–) kaurene derivatives, 1-pimara-8, 15-dien-19-oic acid, aralosides, araligenin, oleanolic acid, beta-taralin, alpha-taralin. ^{20,48,50}	Carminative, for arthralgia, gastroenteritis, headache, diuretic, antidiabetic, antiseptic.

<i>Araucaria cunninghamii</i> Aitonex Sweet	Na Yang Shan	(shoot) Methyl communate, methyl isocupressate, methyl acetyl-isocupressate, labdadien, diacetate, methyl amentoflavone. ⁵⁷	Treat skin diseases.
<i>Arctium lappa</i> L.	Niu Bang Chi (Burdock)	(fruit) Arctin, arctigenin, matai-resinol, sesquilignins, stereoisomer, inulin, mucilage, pectin, acetic, butyric, caffeic, chlorogenic, lauric, linoleic, oleic, palmitic, propionic, stearic, tiglic acids, lignans (lappaol). ^{1,9,450,487,488,489}	For dermatitis, tumors, diuretic and arexigenic properties, treat breast cancer, nephritis, antidote, diuretic, antibacterial, anti-inflammatory, relieve sore throat.
<i>Ardisia japonica</i> (Hornst.) Blume	Ai Di Cha or Pin Di Mu (Marlberry)	(whole plant) Bergenine glucoside, essential oil. ³³	Antitussive, antiphlegm, promotes blood circulation, hemostatic.
<i>Ardisia quinquegona</i> (Blume) Nakai <i>A. sieboldii</i> Miq.	Zhi Jin Niu Shu Gi (Spiceberry)	(leaf, root) Bergenin. ⁵⁰	Treat cancer, hepatoma, a diuretic, antidote for poison, antiphlegmatic.
<i>Areca catechu</i> L. <i>A. hortonsis</i> Lour.	Bing Lang (Betel nut palm)	(nut) Arecholine, arecholidine, guvacoline, guvacine. ³³	Treat taeniasis.
<i>Arenaria juncea</i> Bieb. <i>A. juncea</i> Bieb. var. <i>abbreviata</i> Kitag <i>A. juncea</i> Bieb. var. <i>glabra</i> Regel <i>A. serpyllifolia</i> L.	Zao Zhui (Thyme-leaved sandwort)	(aerial part) Saponin. ⁵⁰	Antitussive, detoxicant, diuretic, febrifuge, treat cough, pulmonary tuberculosis, dysentery.
<i>Arethusa japonica</i> A. Gr.	Ze Lan	(aerial part) Essential oils, tannins. ⁴⁹	Diuretic, emmenagogue.

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<i>Arisaema amurense</i> Maxim. <i>A. amurense</i> Maxim. f. <i>purpureum</i> (Nakai) Kitag. <i>A. amurense</i> Maxim. f. <i>serratum</i> (Nakai) Kitag. <i>A. amurense</i> Maxim. f. <i>violaceum</i> (Engler) Kitag. <i>A. consanguineum</i> Mart. <i>A. erubescens</i> (Wall.) Schott. <i>A. heterophyllum</i> Blume <i>A. peninsulae</i> Nakai <i>A. peninsulae</i> Y. C. Chu et D. C. Wu <i>A. thunbergii</i> Blume.	Tian Nan Xing (Arum, serrated arum)	(whole plant) Alkaloids, saponin, benzoic acid. ^{33,49,144} This herb is highly toxic.	Treat tetanus, spasms, epilepsy, neuralgia. It is sedative, anticonvulsive, an expectorant.
<i>Aristolochia contorta</i> Bunge. <i>A. kaempferi</i> Willd. <i>A. longa</i> Thunb. <i>A. recurvilabra</i> Hance	Ma Dou Ling	(stem) Aristolochic acid A, aristolochic acid D, aristoloside, magnoflorine, oleanolic acid, beta-sitosterol, hederagenin. ⁴⁸ This herb is toxic.	Treat pulmonary disorders, antitussive, an expectorant in asthma and bronchitis.
<i>Aristolochia debilis</i> Sieb. et Zucc.	Qing Mu Xiang	(root) Aristolochic acid, debilic acid, magnoflorine, dibilone, cyclanoline, aristolone. ³³	Antihypertensive, lower heart rate and myocardial contractility, vasodilatation.
<i>Aristolochia manshuriensis</i> Kom.	Mu Tong	See <i>Clematis armandii</i>	

<i>Aristolochia shimadai</i> Hayata	Taiwan Ma Dou Ling	(stem) Aristolochic acid. ⁵⁴	Relieve pain, a diuretic, externally for snakebite.
<i>Armeniaca ansu</i> (Maxim.) Kostina <i>A. mandshurica</i> (Maxim.) Skvortzov <i>A. sibirica</i> (L.) Lam. <i>A. vulgaris</i> Lam. (Syn. <i>Prunus armeniaca</i>)	Xian (Apricot)	(seed) Amygdalin, hydrocyanic acid. ^{48,49}	Astringent, stomachic, antipyretic.
<i>Arnebia euchroma</i> Forssk.	Zi Cao	(root) Shikonin, acetylshikonin, beta-beta-dimethylacrytoylshikonin, beta-OH-isovalerylshikonin, alkamin-B, beta-di-Me-acrylate. ^{33,450}	Anti-inflammatory, antiseptic, antibacterial, toothache, eye diseases, a healer of cuts, burns, and wounds.
<i>Artemisia annua</i> L. <i>A. apiacea</i> Hance ex Walpers	Qing Guo (Stinking artemisia)	(aerial part) Dihydroartemisinin, artesunate, artemisinin, chloroquine, flavonoids, sesquiterpene. ^{33,269,476} This herb is mildly toxic.	A schizonticidal agent, antimalarial, treat infections of multidrug-resistant strains of <i>Plasmodium falciparum</i> , the cause of human malignant cerebral malaria.

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<p><i>Artemisia argyi</i> Leveille et Vaniot <i>A. argyi</i> Leveille et Vaniot f. <i>eximia</i> Pamp <i>A. argyi</i> Leveille & Vaniot f. <i>gracilis</i> (Pamp.) Kitag. <i>A. halodendron</i> Turcz. ex Bess. <i>A. igniaria</i> Max. <i>A. indica</i> Willd. <i>A. integrifolia</i> L. <i>A. japonica</i> Thunb. <i>A. japonica</i> Thunb. var. <i>manshurica</i> (Kom.) Kitag. <i>A. keiskeana</i> Miq. <i>A. lagocephala</i> Fisch. ex Bess. <i>A. lavandulaefolia</i> DC <i>A. scoparia</i> Waldst. & Kitaib. <i>A. selengensis</i> Turcz. ex Bess. <i>A. sieversiana</i> Ehrh. ex Willd. <i>A. vulgarts</i> L.</p>	<p>Ai Ye, Ai Ye You (Artemisia)</p> <p>(Japanese artemisia)</p> <p>(Cottage thatch)</p> <p>(Mugwort)</p>	<p>(aerial part or aerial part oil) Terpinenol-4, β-caryophyllene, artemisia alcohol, linalool, cineol, camphore, borneol, eucalyptol.³³</p>	<p>Antiasthmatic, antitussive. Treat chronic bronchitis, oral infection, and hypersensitivity.</p>
<p><i>Artemisia brachyloba</i> Franch.</p>	<p>Shan Guo (Wormwood)</p>	<p>(whole plant) Essential oils, pinene, cineole, terpene, artemisine, tannins, adenine.^{88,394,395} This herb is classified as dangerous by the FDA.³⁹¹</p>	<p>Treat migraine, throat discomfort, malaria.</p>
<p><i>Artemisia capillaris</i> Thunb.</p>	<p>Yin Chen (Evergreen artemisia)</p>	<p>(shoot) Scoparon, capillene, capillin, capillon, capillarin, capillanol.³³</p>	<p>A choleric, treat jaundice, acute infectious hepatitis, gallstone-related illnesses.</p>

<i>Artemisia finita</i> Kitag. <i>A. frigida</i> Willd.	Chang Guo Bai Guo	(flower bud) L-beta-santonin, finitin. ⁴⁸	Treat intestinal parasites.
<i>Artemisia gmelini</i> Weber ex Stechmann	Bai Lian Guo (Levant wormseed)	(whole plant) Essential oils, borneol, cineole, camphor, azulene, isovaleric acid, umbelliferone, scopoletin, genkwanin. ⁴⁸	Treat liver diseases, stop bleeding, arthritis, bronchitis.
<i>Artemisia lactiflora</i> Wallich	Tian Cai	(whole plant) Flavonoid glycoside, coumarin, lactiflorenol, spathulenol, s-guaiazulene, beta-guaienene, <i>trans</i> - β -farnesene, <i>trans</i> -caryophyllene, limonene, elemene, copaene, myrcene. ⁵⁷	Diuretic, regulate menstruation, treat headache, high blood pressure.
<i>Arthraxon hispidus</i> (Thunb.) Makino	Jin Cao	(root, whole plant) Aconitic acid, luteoline, luteolin-7-glucoside, anthraxin, luteolin-monoarabinoside. ⁴⁸	For chronic cough and other infections.
<i>Artocarpus altilis</i> (Park.) Fosberg.	Mian Bao Shu	(bark) Triterpenes, beta-amyrin acetate, lupeol acetate. ⁶⁰	Poultice for ulcers.
<i>Artocarpus heterophyllus</i> Lam.	Bo Lo Mi (Jackfruit)	(leaf, seed) Caoutchoue, resin, cerotic acid, protein, minerals. ⁵⁰	Tonic to treat discomfort from alcohol influence.
<i>Arundinaria graminifolia</i> (D. Don) Hochrentiner	Zhu Ye Lan	(leaf, root) Sitosterol, stigmasterol, campesterol. ^{50,57}	Antitussive, tonic, anthelmintic, stomachic, carminative.
<i>Arundo donax</i> L. <i>A. phragmites</i> L. (Syn. <i>Phragmites communis</i>)	Lu Zhu Lu Gen	(root) Glycosides, protein, asparagin. ⁴⁹	Stomachic, antiemetic, antipyretic, in acute arthritis, jaundice, pulmonary abscess, food poisoning.

Scientific Name	Common Chinese and (English) Name	Major Constituents and (sources)	Therapeutic Values*
<i>Asarum canadense</i> L. <i>A. europaeum</i> L. <i>A. heterotropoides</i> Fr. Schmidt var. <i>mandshuricum</i> (Maxim.) Kitag. <i>A. heterotropoides</i> Fr. Schmidt var. <i>seouleuse</i> (Nakai) Kitag. <i>A. sieboldii</i> Miq.	Xi Xin	(whole plant) Essential oils including ucarvone, safrole, beta-pinene, asoryl-ketone, asariline, chalcone, flavonol glycoside, <i>trans</i> -aconitic acid, phenylpropane derivatives. ^{33,453,454,465,466}	Analgesic, sedative, antipyretic, anti-inflammatory.
<i>Asparagus cochinenesis</i> (Lour.) Merr. <i>A. falcatus</i> Benth <i>A. insularis</i> Hance <i>A. lucidus</i> Lindl. <i>A. officinalis</i> L.	Tian Men Dong (Asparagus)	(root) Glycolic acid, asparagome, essential oils, methanethiol, (+)-nyasol, asparagine, steroidal, beta-sitosterol, sarsasapogenin, polysaccharide, diosgenin, oleanene derivatives ^{50,450,455,456,467,468}	Diuretic, laxative, treat cancer, antitumor, antioxidative activity, neuritis, rheumatism, for parasitic diseases.
<i>Aspidium falcatum</i> Sw. (Syn. <i>Dryopteris crassirhizoma</i>)	Guan Zhong (Wood fern)	(whole plant) Filicic acid, tannins, essential oil. ⁴⁹ This herb is slightly toxic.	Anthelmintic, hemostatic, antidote.
<i>Aster ageratoides</i> L.	Hong Guan Yao	(whole plant) Quercetin, kaempferol. ³³	Antitussive, antiasthmatic, stimulates adrenal cortex.
<i>Aster tataricus</i> L.	Zhi Wen (Purple aster)	(root) Saponins, shionon, quercetin, arabinose. ⁴⁹	Antitussive, expectorant.
<i>Astilbe longicarpa</i> (Hay.) Hayata <i>A. chinensis</i> (Maxim.) Franch. et Sav.	Luo Xing Fu	(whole plant) Astilbin, bergenin, quercetin, 2-hydroxyphenylacetic acid. ⁵³	Antitoxic, against pestilence, malaria, evil miasma.

<i>Astragalus chinensis</i> L.	Sha Yuan Zi (Vetch)	(seed) Astragalín, canavanine, homoserine. ^{33,436}	Sedative, antibacterial, antiviral, anticarcinogenic effect.
<i>Astragalus complanatus</i> R. Fr. ex Bunge. <i>A. henryi</i> Oliv. <i>A. hoantchy</i> Franch. <i>A. melilotoides</i> Pallas <i>A. membranaceus</i> (Fisch.) Bunge. <i>A. mongholicus</i> Bunge. <i>A. reflexistipulus</i> Franch. <i>A. sinensis</i> L.	Huang Zhi (Yellow vetch, membranous milk vetch)	(root) Gamma-aminobutyric acid, queretin, astragalín, canavanine, coumarin, flavonoid derivatives, saponins, polysaccharide, cycloastrangenol, betaine, rhamnocitrin, isoflavones, astragalosides, formononetin, homoserine, isoliquiritigenin, cosin, kaempferol. ^{1,33,53,410,411,439,445,448,510,511}	Hypotensive, antirhinoviral, antitumor, antipyretic, anti- oxidant effect, diuretic, tonic, an immuno-moderating agent, treat myelosuppression caused by cancer chemotherapy, treat urological tumors.
<i>Atractylis chinensis</i> DC <i>A. lancea</i> Thunb. <i>A. lyrata</i> Sieb. et Zucc. <i>A. ovata</i> Thunb.	Zhang Shu	(root) Essential oils, atractylone, hinesol, atractylodine, atractylol, beta- eudesmol, diacetyl-atractylodiol. ³³ This herb is toxic.	Lower blood sugar, sedative.
<i>Atractylodes chinensis</i> (Bunge.) Koidz. <i>A. chinensis</i> (Bunge.) Koidz. f. <i>simplicifolia</i> (Loes.) Y. C. Chu <i>A. chinensis</i> (Bunge.) Koidz. var. <i>liaotungensis</i> (Kitag.) Y. C. Chu <i>A. japonica</i> Koidz. ex Kitam. <i>A. koreana</i> (Nakai) Kitam. <i>A. lancen</i> (Thunb.) DC <i>A. macrocephala</i> Koidz. <i>A. ovata</i> DC	Bai Zhu	(root) Atractylone, eudesmol, hinesol, bisesquiterpenoid, biatractylolide. ^{19,258}	Diuretic agent, abdominal and chest tightness, anemia, chills, bronchial cough, diarrhea, CNS suppressing activity.

Scientific Name	Common Chinese and (English) Name	Major Constituents and (sources)	Therapeutic Values*
<i>Atractylodes lancea</i> Bunge.	Cang Zhu	(root) Essential oils, atractylon, atractylol. ⁴⁹	As aromatic tonic in chronic gastroenteritis.
<i>Aucklandia costus</i> Falc. <i>A. lappa</i> Decne (Syn. <i>Saussurea lappa</i>)	Mu Xiang	(root) Saussurine, costulactone, costol, costene, camphene, phellandrene. ⁴⁹	Treat asthma, stomachic.
<i>Avena fatua</i> L.	Ye Yen Me (Oats)	(whole plant) Amino adipic acid, glucovanillin, trigonelline, leucine, isoleucin, threonine, asparaginic acid, oxylysin, beta-sitosterol, aconitic acid, avenasterol, secalose, erucic acid, xanthophyllepoxyd. ⁴⁸	Stop bleeding, a tonic.
<i>Azalea japonica</i> A. Gray <i>A. mollis</i> Blume <i>A. pontica</i> var. <i>sinensis</i> Lindl.	Yang Zhi Zu (Azalea)	See <i>Rhododendron sinensis</i>	
<i>Azolla imbricata</i> (Roxb.) Nakai	Man Jiang Hong	(whole plant) Luteolinidin 5-glucoside, aesculetin, caffeic acid. ⁵⁷	Treat cough, arthritis, eczema, swelling, diuretic.
<i>Baphicanthus cusia</i> (Nees.) Bremek.	Ban Lan or Da Qing Ye	(leaf, root) Indirubin, indigo, indo-brown, indo-yellow, isoindigo, lacerol, tryptanthrin. ⁵³	Antidotal, febrifugal, treat fever, epidemic mumps, erysipelas, rashes, sore throat.

<i>Bauhinia championi</i> Bentham <i>B. variegata</i> L.	Jiu Hua Teng (Orchid tree)	(bark, sepal) Kaempferol-3-galactoside, daempferol-3-rutinoside, protein, flavonoids, carbohydrates, stigmasterol, beta-sitosterol, beta-p glucophyranoside. ^{50,450}	Astringent, tonic, treat scrofula, skin ailments, leprosy, ulcers, and diarrhea.
<i>Belamcanda chinensis</i> (L.) DC <i>B. panctata</i> Moench.	She Gan (Blackberry lily, leopard lily)	(root) Tectoridin. ⁵⁰	Antipyretic, antifungus, analgesic, detoxicant, stomachic. Externally for boils, cancer, contusions, swellings.
<i>Benincase cerifera</i> Savi. <i>B. hispida</i> Cogn.	Don Gua (Gourd melon)	(fruit, seed) Palmitic acid, stearic acid, linoleic acid, thiamine, riboflavin, niacin, ascorbic acid. ⁵⁰	Diuretic, laxative, treat diabetes, dropsy, rhinitis.
<i>Berberis amurensis</i> Rupr. <i>B. poiretii</i> Schneid. <i>B. sibirica</i> Pall. <i>B. soulieana</i> C. K. Schneid.	Xiao Yeh (Chinese barberry)	(root) Berberine, berbamine, palamatine, jatrorrhizine, oxycanthine. ³³	Antibacterial, promotes leukocytosis, choloretic.
<i>Betula mandshurica</i> (Regel) Nakai <i>B. platyphylla</i> Suk.	Bai Hua (White birch tree)	(bark, tree sap) Betuloside, betulafolienetriol, betulafolienetetraol, betulin. ^{48,50}	Anticancer, mammary carcinoma.
<i>Bidens bipinnata</i> L. <i>B. parviflora</i> Willd.	Kuei Chen Gao (Black jack)	(whole plant) Flavonoids, essential oils. ⁴⁸	Treat bug bites, diarrhea, snakebite.
<i>Bidens pilosa</i> L. var. minor (Blume) Sherff.	Sien Feng Cao (Bur marigold)	(leaf) Polyacetylenes (it is phototoxic), phenytheptatriyne. ⁵⁰	Antibiotic, treat bug bites, diarrhea, snakebite. Bactericidal, fungicidal.
<i>Bidens tripartita</i> L.	Lang Ba Cao (Water hemp)	(whole plant) Luteolin, butin, buteine, coumarin, dihydroxycoumarin, scopoletin, umbelliferone. ⁴⁸	Treat chronic dysentery, heart ailments, eczema.

Scientific Name	Common Chinese and (English) Name	Major Constituents and (sources)	Therapeutic Values*
<i>Bignonia grandiflora</i> Thunb. <i>B. chinensis</i> Lam. (Syn. <i>Campsis chinensis</i>)	Zi Wei Hua (Trumpet vine)	See <i>Campsis chinensis</i>	
<i>Biota chinensis</i> Hort. <i>B. orientalis</i> L. (Syn. <i>Platycladus orientalis</i> , <i>Thuja orientalis</i>)	Ce Bai Ye	(twig) Quercitrin, pinipicrin, thujone, essential oils. ³³	Hemostatic, shorten blood clotting time, antitussive.
<i>Bistorta lapidosa</i> Kitag. (Syn. <i>Polygonum lapidosum</i>)	Shi Sheng Yu	See <i>Polygonum lapidosa</i>	
<i>Bletilla hyacinthina</i> R. Br. <i>B. striata</i> (Thunb.) Reichb.	Bai Ji (Amethyst orchid)	(tuber) Gelatin, essential oil, stilbenoids, blespirol, blestrianol, phenanthrene glucosides, bisphenanthrene theres. ^{33,434,491,492,493,494,495}	Hemostatic, promotes leukocyte and platelet aggregation. Treat hematuria, blood splitting, primary hepatic carcinoma, antimicrobial.
<i>Blumea balsumifera</i> (L.) DC var. <i>microcephala</i> Kitamura	Ai Na Xian (<i>Blumea camphor</i>)	(leaf, shoot) Essential oils, borneol, camphor, cineole, limonene, palmitic acid, myristic acid, sesquiterpene alcohol, dimethy ether, cineole, limonene, pyrocatechic tannins. ^{48,53}	Treat itch, sores, wounds. A stomachic, sudorific, tonic, diaphoretic, anticatarrhal.
<i>Blumea hieraciifolia</i> (D. Don) DC	Tu Er Cao (Camphor)	(whole plant) ⁵⁶ No information is available in the literature.	Treat pneumonia, water in the lung, diarrhea, snakebite.
<i>Blumea lacera</i> (Burm. f.) DC	Hong Tu Cao	(leaf) Carotene, coniferyl alcohol, angelic acid, vitamin C, cineole, citral, fenchone, camphor. ^{48,56}	Insectifuge, vermifuge, treat cholera, eczema, fever, itch, scurvy.

<i>Blumea riparia</i> (Blume) DC var. <i>megacephala</i> Randeria	Sha Hong Fan Cao	(root) No information is available in the literature.	Treat headache, relieve colic.
<i>Boehmeria densiflora</i> Hooker et Arnott	Mu Yu Ma (Ramie)	(leaf, root) Beta-carotene, thiamine, lignin, riboflavin, niacin, ascorbic acid, protein. ⁴⁸	Astringent, antiabortifacient, drooling, demulcent, diuretic, resolvent, uterosedative, antihemorrhagic, styptic.
<i>Boehmeria nivea</i> Gaudich. <i>B. tenacissima</i> Gaudich.	Yu Ma Gen (Grass cloth plant, ramie)	See <i>Urtica tenacissima</i>	
<i>Boenninghausenia albiflora</i> (Hook.) Meisn.	Chou Chie Cao	(aerial part) Daphnoretin. ⁵⁹	Treat malaria.
<i>Bougainvillea brasiliensis</i> Raeusch <i>B. glabra</i> Choisy var. <i>sanderiana</i> Hort.	Jiu Chung Ko	(flower, stem) Betanidin, isobeturudin, 6-O- β -sophoraside, 6-O-rhamnosyl cophoroside. ⁵⁴	Treat liver infection, regulate menses.
<i>Brassica alba</i> (L.) Rabenh. <i>B. juncea</i> (L.) Czern. et Coss.	Bai Jie Zi (Indian mustard)	(seed, young shoot) Sinigrin, myrocin, sinapic acid, sinapine, potassium myronate, mustard oil, allyl isothiocyanate, behenic acid, erucic acid, benzyl isothiocyanate, eicosenic acid. ^{48,50}	Relieve bladder inflammation, hemorrhage, abscesses, lumbago, rheumatism, stomach disorders.
<i>Brucea javanica</i> (L.) Merrill <i>B. sumatrana</i> Roxb.	Ya Dan Zi (Kosam seed)	(fruit) Bruceines, bruceolide, brusatol, oleic acid, yatanoside. ^{33,510} This herb is toxic.	Antiamoebial, anticancer, antiprotozoan.
<i>Buddleia formosana</i> Hatushima <i>B. madagascariensis</i> Hance <i>B. officinalis</i> Maxim.	Bei Pu Jiang Mi Meng Hua (Butterfly bush)	(flower bud) Buddleoglycoside. ^{33,49,53}	Improve visual acuity, prescribed as ophthalmic in nyctalopia, asthenopia, cataract.

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<i>Bupleurum chinense</i> DC <i>B. falcatum</i> L. <i>B. scorzoneraefolium</i> Willd.	Chai Hu (Hares ear)	(root) Triterpenoid saponins, sapogenins, saikosaponins, bupleuran, lignin-like polyphenolic substances, L-arabinose, D-glucose, arabinan polymer. ^{21,22,33,242,259,266,441,510}	Relieves tightness, antitumor antipyretic, inflammation of inner organs, treat chronic hepatitis, nephrosis syndrome, autoimmune diseases, antiulcer, immunopharmacological activities.
<i>Buxus harlandii</i> Hance	Xi Ye Huang Yang (Box tree)	(leaf) Cyclovibuxine D, buxanmine E, cycloprotobuxine C, buxpiine K. ⁵⁸	Improve blood circulation, enhance heart muscle, regulate heartbeat, treat hepatitis, arthritis.
<i>Buxus microphylla</i> Sieb. et Zucc.	Taiwan Huang Yang	(root) Cyclovibuxine C and D, buxtamine E, cycloprotobuxamine A and C, buxtauine, buxpiine. ⁵⁸	Treat heart conditions, a detoxicant.
<i>Caesalpinia decapetula</i> (Roth.) Alston	Yun Shi (Fever nut)	(seed) Volatile oil, bonducin, saponin, glycosides. ⁶⁰	Astringent, anthelmintic, antipyretic, antimalarial.
<i>Caesalpinia pulcherrima</i> Swartz	Huang Wu Tien (Sappan wood)	(flower, leaf, seed) Alkaloid, gallic acid, resins, tannins. ⁶⁰ This herb is toxic.	Febrifuge, stomachic, diuretic, astringent, anticholeric.
<i>Caesalpinia sappan</i> L.	Su Mu (Mysore thorn)	(heartwood) Brasilin, tetraacetylbrasilin, proesapanin A, essential oils, tannic acid, gallic acid, saponin. ^{33,49,50}	Activate blood flow, remove blood stasis, reduce swelling, against human cancer cells.

<i>Calamus margaritae</i> Hance	Sheng Teng (Dragon's blood)	(root) ⁵⁰ No information is available in the literature.	Antidysenteric, antibilious, hypotensive, to treat liver infections.
<i>Calendula officinalis</i> L.	Jin Tsan Jiu (Marigold)	(whole plant) Arnidiol, carotenes, calenduline, cerylalcohol, flavoxanthin, lycopene, oleanolic acid, inulin, rebixanthin, violaxanthin. tocopherol, salicylic acid. ⁵⁰	Treat bleeding gums, bleeding piles, for amenorrhea, bruises, cholera, cramps, eruption, fevers, flu.
<i>Callicarpa formosana</i> Rolfe.	Tu Hung Hua (Callicarpa)	(flower, root) ⁵⁴ No information is available in the literature.	Diuretic, for arthritis and nerve pain, gonorrhoea, and emmenagogue. Externally applied as a styptic to wounds.
<i>Callicarpa macrophylla</i> L.	Zi Zhu Cao	(leaf, root) Tannins, flavone, resin. ³³	Hemostatic, constricting the blood vessels, antibacterial, treat tubercular bleeding.
<i>Callicarpa nudiflora</i> Hook & Am.	Luo Hua Zi Zhu	(leaf) Tannins. ³³	Treat suppurative skin infections and burns.
<i>Calloglossa lepieurii</i> (Mont.) J. Ag.	Mei She Chao, Zhe Gu Cai	(whole plant) Alpha-kainic acid, digeneaside. ³³	Inhibit the myocardium and cause a drop in blood pressure.
<i>Caltha palustris</i> L. var. <i>membranacea</i> Turcz. <i>C. palustris</i> L. var. <i>sibirica</i> Regel	Luo Ti Cao (Marsh marigold)	(whole plant) Anemonin, protoanemonin, choline, hellebrin, cevadine, berberine, scopoletin, saponin, umbelliferone, isorhamnetin, xanthophyllepoxyl. ^{48,50}	Antirheumatic, antitumor.
<i>Calystegia hederacea</i> Willich ex Roxb. <i>C. japonica</i> Choisy iu Zoll.	Da Wan Hua (Ivy bindweed, Japanese bindweed)	(root, flower) Kaempferol, kaempferol-3-rhamnoglucoside, columbin, palmatine. ^{48,50}	Diuretic, stimulate kidney secretions.

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<i>Camellia bohea</i> Griff. <i>C. sinensis</i> (L.) Kuntze <i>C. theifera</i> Griff. <i>C. viridis</i> Link.	Cha (Tea)	See <i>Thea sinensis</i>	
<i>Camellia japonica</i> L.	Sha Cha Hua (Camelia)	(flower bud) Camelliagenins, d-catechol, l-epicatechol, leucoanthocyanin, arabinose, camellin, rhamnose, theasaponin. ^{49,50}	For hemoptysis, epistaxis, gastrointestinal hemorrhage, metrorrhagia.
<i>Campanula gentianoides</i> Lam. <i>C. giauca</i> Thunb. <i>C. grandiflora</i> Jacq. (Syn. <i>Platycodon grandiflorum</i>)	Jie Geng	(root) Saponins, inulin, platycodigenin. ⁴⁹	As an expectorant.
<i>Campanula glomerata</i> L. f. canescens (Maxim.) Kitag. <i>C. glomerata</i> L. var. dahurica Fisch. ex Ker-Gawl. <i>C. punctata</i> Lam.	Feng Lin Cao	(whole plant) Quercetin, isorhamnetin, kaempferol, hyperoside, isoquercetin, trifolin, chlorogenic acid, methyl caffeate, coumaroylquinic acid. ⁴⁸	For throat infection, headache
<i>Campsis adrepens</i> Lour. <i>C. chinensis</i> Voss. <i>C. grandiflora</i> (Thunb.) Loiseleur (Syn. <i>Bignonia grandiflora</i>)	Zhu Wei (Chinese trumpet creeper)	(flower) Protein, dextrose, cyanidin-3-rutinoside. ⁴⁸	As emmenagogue. Treat amenorrhea, dysmenorrhea, leucorrhea, menorrhagia, metrorrhagia.

<i>Camptotheca acuminata</i> Decne.	Xi Shu (Happy tree)	(fruit) Camptothecine, venoterpine, hydroxyleamptothecin, methoxyl- camptothecin, irinotecan, 10-hydroxycamptothecin. ^{33,457,458,469} This herb is toxic.	Treat breast cancer, carcinoma of the stomach, rectum, colon and bladder, chronic leukemia.
<i>Canarium album</i> Raeusch. <i>C. sinense</i> Rumph.	Gan Lan (Chinese olive)	(seed) Beta-carotene, thiamine, riboflavin, niacin, ascorbic acid. ⁵⁰	Antiphlogistic, astringent in pharngitis.
<i>Canavalia gladiata</i> (Jacq.) DC <i>C. ensiformis</i> (L.) DC	Dao Dou (Broad bean)	(seed) Canavalline, canavanine, urease, gibberelin A ₂₁ , gibberelin A ₂₂ , canavalia gibberelin I, canavalia gibberelin II. ³³	A tonic, bactericidal, fungicidal, stomachic.
<i>Cannabis chinensis</i> Del. <i>C. sativa</i> L.	Huo Ma Ren or Da Ma Ren (Hemp)	(fruit, seed) Vitamin B ₁ , vitamin B ₂ , muscarine, choline, trigonelline, l(d)-isoleucine betaine, cannabiniol, tetra-hydrocannabinol, cannabidiol. ^{33,450}	Purgative, stimulate intestinal mucosa causing an increase in secretions and peristalsis.
<i>Capsella bursa-pastoris</i> (L.) Medicus	Jie Cai (Shepherd's purse)	(whole plant) Bursic acid, alkaloids, vitamin A, choline, citric acid. ³³	Hemostatic, antihypertensive, chyluria, nephritis, edema, hematuria.
<i>Caragana franchetiana</i> Koma <i>C. intermedia</i> Kuang <i>C. microphylla</i> Lam. <i>C. sinica</i> Lam.	Jin Gi Er (Chinese caragana)	(root) Alkaloids, glucosides. ³³	Antihypertensive, anti- inflammatory.
<i>Cardamine leucantha</i> (Tausch.) O. E. Schulz. <i>C. lyrata</i> Bunge.	Sui Mi Jie	(root, leaf, seed) Erucic acid, linolenic acid, linoleic acid, oleic acid, sinigraside, lecithine, myrosinase. ⁶⁰	Treat abdominal pain, antidysentaria.

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<i>Carduus acaulis</i> Thunb. <i>C. crispus</i> L. <i>C. japonicus</i> Franch. (Syn. <i>Cirsium japonicum</i>)	Xiao Ji (Plumeless thistle)	(leaf, stem) Essential oils, glycosides, bitter principle. ⁴⁹	Hemostatic.
<i>Carpesium abrotanoides</i> L. <i>C. athunbergianum</i> Sieb. et Zucc.	He Shi or Tian Min Qing (Starwort)	(whole plant, fruit) Essential oils, inlin. ⁴⁹	Ascariasis, enterobiasis, taeniasis, antiphlogistic in pharyngitis, tracheitis, laryngitis.
<i>Carthamus tinctorius</i> L.	Hong Jua (Safflower)	(flower) Cartharmin, neocarthamin, safflower yellow, quinochalone, safflomin A. ³³	Promote blood circulation, remove blood stasis, restore normal menstruation.
<i>Carum carvi</i> L.	Ye Hao (Caraway)	(fruit, aerial part) Essential oil, d-carvone, coumarin, chromone, polyacetylene, herniarin, scopoletin, umbelliferone, d-limonene, phytosterols. ^{48,50,250,450}	Carminative, treat stomach pain.
<i>Cassia alata</i> L.	Dui Ye Dou (Ringworm bush)	(whole plant) Fatty acids, aloe-emodin, rhein chrysarobin, chrysophanic acid, oxymethyl anthraquinone, rutin, isochaksine, quercetin. ^{48,450,510}	Improve night vision, migraines, astringent, purgative.

<i>Cassia angustifolia</i> Vahl.	Fan Xie Ye	(leaflet) Sennosides, aloe-emodin, dianthrone glucoside, rhein monoglucoside, rhein, kaempferin, myricyl alcohol, anthraquinone derivative. ^{33,510}	Purgative, laxative, cathartic.
<i>Cassia nomame</i> (Sieb.) Honda <i>C. obtusifolia</i> L. <i>C. tora</i> L.	Jue Ming Zi (Sicklepod)	(seed) Anthraquinones such as emodin, chrysophanol, physcion, rhein aurantio-obtusin, obtusifolin, chryso-obtusin, naphthopyrones, obtusin, aurantio-obtusin rubrofusarin, nor-rubrofusarin, toralacton. ³³	Purgative, treat ophthalmia, hypercholesterolemia, vaginitis.
<i>Cassia occidentalis</i> L. <i>C. torosa</i> Cav.	Wang Jiang Nan (Coffee senna, sicklepod)	(seed, root) Anthraquinones, torosachryson, n-methylmorpholine, apigenin, galactomannan, cassiollin, xanthorin, dianthronic heteroside, helminthosporin. ^{4,33,496}	Mild purgative, lower blood pressure, antioxidative, antiasthmatic, antitoxic, antimalarial, antibacterial, anthraquinones and hepatoprotective activities.
<i>Cassia siamea</i> Lam.	Tie Dao Mu	(leaf, flower, fruit) Chrysophanic acid, chrysarobin, oxymethyl anthraquinone. ⁶⁰	A tonic to relieve stomach pains.
<i>Cassytha filliformis</i> L.	Pan Chan Teng (Dodder laurel)	(stem) Cassyfiline, cassythidine, galactitol, cassythine, laurotetanine. ⁵⁰	Diuretic, for gonorrhoea, kidney problems.
<i>Castanea crenata</i> Sieb. et Zucc. <i>C. mollissima</i> Blume	Japan Su (Chestnut)	(flower, stem bark) Quercetin, urea, protein, beta-carotene, riboflavin, thiamine, ascorbic acid, niacin. ^{48,50}	Treat diarrhea, poisoned wounds, lacquer poisoning, astringent.

Scientific Name	Common Chinese and (English) Name	Major Constituents and (sources)	Therapeutic Values*
<i>Catharanthus roseus</i> (L.) G. Don	Chang Chun Hua (Madagascar periwinkle)	(whole plant) Vinblastine, vincristine, carosine, vinrosidine, lenrosine, lenrosivine, rovidine, perivine, perividine, vindolinine, pericalline. ³³ This herb is toxic.	Anticancer in chronic lymphocytic leukemia and Hodgkin's disease, in acute lymphocytic leukemia.
<i>Caulophyllum robustum</i> Maxim.	Wei Yan Xian	(root) Magnoflorine, taspine, methylcytisine, alpha-lupanine, cauloside, hederagonin. ⁴⁸	Treat arthritis, wounds, regulate menstruation.
<i>Celastrus alatus</i> Thunb. <i>C. striatus</i> Thunb. (Syn. <i>Evonymus alatus</i>)	Wei Mao (Bittersweet)	See <i>Evonymus alatus</i>	
<i>Celosia argentea</i> L. var. <i>cristata</i> Bth. <i>C. cristata</i> L.	Ji Guan Hua (Quail grass or Cockscomb)	(stem, leaf, flower) Celosiol, nicotinic acid. ⁴⁸	Treat high blood pressure, itchiness, arthritis pain.
<i>Celosia argentea</i> L. <i>C. margariacea</i> L.	Cao Jue Ming (Quail grass)	(stem, leaf) Guijaverin, hyperoside, quercitin, isoquercitrin. ⁵⁰	Insecticidal.
<i>Celtis bungeana</i> Blume <i>C. sinensis</i> Pers.	Po Shu (Hackberry)	(bark) Essential oils. ⁴⁸	For dyspepsia, poor appetite, shortness of breath, swollen feet.
<i>Centaurium meyeri</i> (Bunge.) Druce	Ai Lei	(whole plant) Bitter glycoside, ophelic acid, chiretta. ⁶⁰	Treat headache, fever, and infections.

<i>Centella asiatica</i> (L.) Urb.	Ji Xue Cao (Gotu kola)	(whole plant) Asiaticoside, madecassoside, brahmoside, brahmissoside, glucoside asiaticoside, sitosterol, tannin, vallarine, pectic acid, resin. ^{33,450,510}	Antibacterial, lower blood pressure, antipyretic, diuretic, detoxicant.
<i>Centipeda minima</i> (L.) A. Braun. et Ascherison	Shi Wu Tou (Centipeda)	(whole plant) Essential oil, myriogynine, alkaloids, glycosides, saponin. ⁶⁰	Antidotal, treat conjunctivitis, piles, malaria.
<i>Cephalanoplos segetum</i>	Xiao Ji (Field thistle)	(aerial part) Alkaloids, choline, saponins. ³³	Hemostatic, cardiac stimulation.
<i>Cephalotaxus fortunei</i> Hook. <i>C. oliveri</i> Mast. <i>C. qinensis</i> (Rehd. et Wils.) Li	San Jian Shan (Plum yew)	(branch) Cephalotaxine, harringtonine, epicephalotaxine, epiwilsonine, demethylcephalotaxine, wilsonine, cephalotaxinone. ³³ This herb is toxic.	Treat malignant tumors.
<i>Cephalotaxus wilsoniana</i> Hayata	Taiwan Cu Fei	(shoot) Cephalotaxine, cephalotaxinone, acetycephalotaxine, wilsonine, demethylcephalotaxine, epicephalotaxin, harringtonine, hormoharringtonine, c-3epi- wilsonine, hydroxycephalotaxine, isoharringtonine. ⁵⁶	Antitumor, anticancer. Treat lymphatic gland swelling, improve digestion, an insecticide.
<i>Chaenomeles japonica</i> (Thunb.) Lind. <i>C. sinensis</i> Koch. <i>C. speciosa</i> (Sweet) Nakai	Japan Mu Gua Xuan Mu Gua	(fruit) Vitamin C, malic acid, tartaric acid, citric acid, hydrocyanic acid. ⁴⁹	Treat arthralgia, diarrhea, cholera, gout, arthritis.

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<i>Chamaenerion angustifolium</i> (L.) Scop. <i>C. angustifolium</i> (L.) Scop. f. <i>pubescens</i> (Hauskn.) Kitag.	Liu Lan	(whole plant) Crataegolic acid, penta-o-galloyl- β -d-glucose, maslinic acid, channerol, cerylalcohol. ⁴⁸	Regulate menstruation, improve breast milk production. Externally for wounds, stop bleeding.
<i>Changium smyrnioides</i> Wolff.	Min Dong Seng	(root) ⁵⁰ No information is available in the literature.	Tonic for lungs, stomach, antiemetic, bechic.
<i>Chelidonium album</i> L. <i>C. hybridum</i> L. <i>C. majus</i> L. <i>C. serotinum</i> L.	Bai Qu Cai (Celandine poppy)	(whole plant) Chelidonine, chelidocystatin, protopine, stylophine, allocryptopine, chelerythrine, sparteine, coptisine. ^{33,256,449,497}	Anodyne, analgesic, diuretic, antitussive, detoxicant, anticancer. Treat abdominal pain, peptic ulcers, chronic bronchitis, and whooping cough.
<i>Chenopodium ambrosiodes</i> L.	Chou Xing (Lambs quarter)	(leaf) Volatile oil, ascaridol, geraniol, saponin, 1-limonene, p-cymene, d-camphor, kaemferol-7 shannoside, ambroide. ^{60,450}	An anthelmintic to treat ascarids, ancylostomiasis, vermifuge, carminative.
<i>Chimaphila umbellata</i> (L.) W. Barton	Mei Li Cao	(whole plant) Arbutin, ursolic acid, homoarbutin, chimaphilin, isohomoarbutin, hyperin, avicularin, kaempferol, renifolin, beta-amyrin, ericolin, andromedotoxin, chinic acid. ⁴⁸	Diuretic, relieve stomach, tooth and after-birth pains, antifungal.

<i>Chloranthus glubra</i> (Thunb.) Nakia <i>C. oldhami</i> Solms.	Jiu Jie Cha Si Ye Lian (Chloranthus)	(leaf, stem) Essential oils, flavonoids, pelargonidin-3- rhamnosylglucoside. ⁵⁴	Treat bone fractures, vomiting, contusions, lung infection, an astringent. Antitumor, improve immune system, relieve arthritis pain.
<i>Chrysanthemum boreale</i> (Makino) Makino <i>C. indicum</i> L. <i>C. lavandulaefolium</i> (Fisch.) Mak. <i>C. procumbens</i> Lour. <i>C. tripartitum</i> Sw.	Ye Jiu Hua (Chrysanthemum)	(flower, petal) Alpha-pinene, limonene, carvone, cineol, camphore, borneol, chrysanthin, yejuhualactone, chrysanthemaxanthin. ³³	Antibacterial, relieve headache, insomnia, and dizziness due to high blood pressure.
<i>Chrysanthemum cinerriaefolium</i> Visiont	Chu Gu Jiu (Chrysanthemum)	(flower) Essential oil, adenine, choline, stachydrine. ⁶⁰	Used as insecticides.
<i>Chrysanthemum jucundum</i> Nakai & Kitag. <i>C. koraiense</i> Nakai <i>C. morifolium</i> Ramat. <i>C. sinense</i> Sabine.	Jiu Hua (Chrysanthemum)	(flower) Bornol, chrysanthemin, camphor, stachydrine, choline, acacetin-7- rhamnoglucoside, cosmosiin, acacetin-7-glucoside, diosmetin-7- glucoside, adenine. ³³	Antipyretic, antitoxin, remedy for common cold, headache, dizziness, red eye, swelling, hypertension.
<i>Cibotium barometz</i> (L.) J. Smith	Hie Quin Cao (Lamb of Tartary)	(root) Palmitic acid, linoleic acid. ^{50,230}	A tonic, digestive, laxative, analgesic in rheumatism, lumbago, myospasm.
<i>Cimicifuga dahurica</i> (Turcz.) Maxim. <i>C. foetida</i> L. <i>C. heracleifolia</i> Kom. <i>C. racemosa</i> (L.) Nutt. <i>C. ussuriensis</i> Oettingen	Sheng Ma (Stinking bugbane)	(rhizome) Ferulic acid, isoferulic acid, cimigenol, khellol, aminol, cimifugenol, cimitin. ³³	Induce diaphoresis, promote skin eruption.

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<i>Cinnamomum aromaticum</i> Nees. <i>C. cassia</i> Presl.	Gui Zhi (Cinnamon)	(twig, bark) Cinnamic aldehyde, cinnamyl acetate, cinnamic acid, eugenol, phellandrene, phenylpropyl alcohol, coumarin, cinnamic aldehyde, orthomethylcoumaric aldehyde. ^{33,49,254,435,510}	Antibacterial, vasodilatation, aromatic stomachic, astringent, tonic, analgesic, stimulate human lymphocytes to proliferate.
<i>Cinnamomum camphora</i> (L.) J. S. Presl.	Chang Shu (Cinnamon)	(root, branch, leaf) d-camphor, eucalyptole, cineole, pinene, aromadendrene, cumaldehyde, pinocarveol, 1-acetyl-4-isopropylidenecyclopentene. ^{33,53}	Stimulate nervous system, relax gastrointestinal muscle contractions.
<i>Cinnamomum zeglanicum</i> Blume	Ceylon Rou Gui (Ceylon cinnamon)	(bark) Cinnamic aldehyde, p-cymene, hydrocinnamic aldehyde, pinene, benzaldehyde, cuminic aldehyde, nonylic aldehyde, eugenol, caryophyllene, l-phellandrine, methyl-n-amyl ketone, l-linalool. ⁶⁰	Stimulant to digestion, respiration, circulation.
<i>Cirsium albescens</i> Kitamura <i>C. brevicaule</i> A. Grey <i>C. littorale</i> Max. <i>C. maakii</i> Max. <i>C. segetum</i> Bunge. <i>C. setosum</i> (Willd.) Bieb. <i>C. vlassovianum</i> Fisch. ex DC	Xiao Ji	(whole plant) Essential oil, rutin, acacetin-7-rhomnoglucoside, protocathechuic acid, caffeic acid, chlorogenic acid. ^{48,49}	Hemostat, diuretic, stop bleeding, externally for wound infections.

<i>Cirsium chinense</i> Gardn. et Champ. <i>C. japonicum</i> DC	Chinese Ji Da Ji (Thistle)	(leaf, stem) Alpha-amyrin, beta-amyrin, beta-sitosterol, stigmaterol, taraxsteryl acetate, inulin, labenzyme, pectolinarin. ^{50,60}	Hemostat, diuretic, treat intestinal bleeding caused by ulcers, externally for abscesses and scabies.
<i>Cissampelos pareira</i> L.	Xi Sheng Teng (Ice vine)	(plant) Cissampareine, hayatine, pelosine, isoquinoline, hayatinine, berberine, dl-beheerine, dl-curine, D-guereitol, d-isochondrodendrine, hayatidine, cissamine, menisnine, reserpine, cissampeline. ^{33,450}	Blockade of NMJ depolarization. Used externally on wound surfaces to relieve pain.
<i>Cistanche deserticola</i> Y. C. Ma	Rou Chon Wun (Broomrape)	(whole plant) Boschnialactone, boschniakine, neoboschnialactone, echinococside. ^{33,244}	Antioxidant activity, antisenile, immunopharmacological effect, stimulate hypothalamus-pituitary system, increase memory power, sex function.
<i>Citrullus anguria</i> Duch. <i>C. edulis</i> Spach. <i>C. lanatus</i> Matsumura & Nakai <i>C. vulgaris</i> Schrad.	Xi Gua (Watermelon)	(fruit, seed) Cucurbitacins, carpylic acid, capric acid, lauric acid, myristic acid, palmitic acid, stearic acid, oleic acid, linoleic acid, sterol, citrulline. ^{50,351}	For alcohol poisoning, diabetes, nephritis, sore throat, stomatitis, demulcent.
<i>Citrus aurantium</i> (Christm.) Swingle var. amara	Suan Cheng (Bitter orange)	(unripe fruit) Synephrine, N-methyltyramine, flavones including tangeratin and nobiletin. ³³	Treat indigestion, relieve abdominal distension, ptosis of the anus or uterus.
<i>Citrus deliciosa</i> Tenore <i>C. nobilis</i> Lour.	Jiu Pi (Orange)	(fruit skin) Vitamin A, B and C, hesperidin, limonene, citral, methyl anthranilate. ⁴⁹	Stomachic, digestant, expectorant, antitussive, antiemetic.

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<i>Citrus reticulata</i> Blanco <i>C. reticulata</i> Blanco. var. <i>chachiensis</i>	Jiu Hong, Chen Pi (Orange)	(external layer of pericarp) Citral, geraniol, linalool, methylanthranilate, stachydrine, putrescine, apyrocatechol, naringin, poncirin, hesperidin, neohesperidin, nobiletin. ³³	Expectorant, antitussive, treat indigestion, an antiemetic agent.
<i>Clematis armandii</i> Franch. <i>C. heracleifolia</i> DC <i>C. heracleifolia</i> DC var. <i>davidiana</i> (Decaisue ex Verlot) O. Kuntze	Mu Tong (Clematis)	(stem) Aristolochic acid, saponin akebin, triterpenoids. ^{25,33}	Diuretic, antibacterial.
<i>Clematis chinensis</i> Retz. <i>C. florida</i> Thunb. <i>C. hexapetala</i> Pall. <i>C. hexapetala</i> Pall. f. <i>longiloba</i> (Freyn) S. H. Li et Y. H. Huang <i>C. minor</i> Lour. <i>C. sinensis</i> Lour. <i>C. terniflora</i> DC	Wei Ling Xian (Clematis)	(root) Anemonin, anemonol, saponins. ^{33,49,246}	Analgesia, diuresis, carminative, diuretic, anti-inflammatory, treat arthritis, backache, headaches.
<i>Clematis intricata</i> Bunge. <i>C. mandshurica</i> Rupr.	Tie Xian Lian (Clematis)	(whole plant) Clematoside A, oleanolic acid. ⁴⁸	Relieve arthritis pain and related infections.
<i>Cleome spinosa</i> Jacquin <i>C. gynandra</i> L. <i>C. viscosa</i> L.	Xi Yang Bai Hua Cai Xiang Tian Huang (Spiderwisp)	(seed) Cleomin, lactone, tannins, volatile oils. ⁵⁰	Treat dysentery, gonorrhea, malaria, rheumatoid arthritis.

<i>Clerodendrum cyrtophyllum</i> Turcsaninow	Da Qing (Clerodendrum)	(leaf, root) Indirubin, ingigo, tryptanthrin, isatan B, glucobrassicin, 3-indolylmethylgluco-sinolate, neoglucobrassicin, isoindigo, indicin, lacerol. ⁵³	Antipyretic, detoxicant, diuretic, preventitive for epidemic meningitis.
<i>Clerodendrum fragrans</i> Ventenat	Chou Mu Lee	(stem, root) 24beta-methylcholesta-5, 22E,25-trien-3beta-ol, clerosterol, 24alpha-ethyl-5alpha-cholest-22E- en-3beta-ol, 22E- dehydroclerosterol. ^{48,196}	Strengthen weak leg muscles, skin trouble, smallpox.
<i>Clerodendrum paniculatum</i> L. var. <i>albiflorum</i> (Hemsl.) Hsieh.	Bai Long Chuan Hua	(root) 24beta-epimer poriferasterol, 24alpha-epimer stigmasterol. ⁵⁶	For gonorrhoea, skin diseases, diuretic, regulate menses.
<i>Clerodendrum trichotomum</i> Thunb. <i>C. spicatus</i> (Thunb.) C. Y. Wu <i>C. trichotomum</i> Thunb. var. <i>ferrugineum</i> Nakai	Chou Wu Tong (Hairy clerodendrum)	(leaf, stem, root) Glycosides clerodendrin, acacetin- 7-glucurono-(1,2)-glucuronide, clerodendrin, mesoinositol, clerodolone, apigenin-7- diglucuronide, friedelin, epifriedelin. ^{33,48,71}	Treat hypertension, arthritis pain.
<i>Clinopodium chinense</i> (Benth.) <i>C. gracile</i> (Benth.) O. Kuntze. <i>C. polycephalum</i> (Benth.) <i>C. umbrosum</i> (Bleb.) C. Koch.	Duan Xue Liu Guang Feng Lun Cai Feng Lun Cai	(whole plant) Dydimin, hesperidin, siosakuranetin, apigenin, ursolic acid. ⁴⁸	Hemostatic, stimulate uterine contractions, antibacterial.
<i>Clivia miniata</i> Lindley	Jun Zi Lian	(whole plant) Clividine, miniatine, lycorine. ⁵⁷	Anticancer, antitumor.

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<i>Cnidium monnieri</i> (L.) Cusson	She Cheung Zi	(whole plant) Archangelicin, columbianetin, O-acetylcolumbianetin, O-isovaleryl columbianetin, cnidiadin, cnidimine, l-pinene, l-camphen. ³³	A trichomonocidal agent, antiascariac, antifungal.
<i>Cocculus diversifolius</i> Miq. <i>C. thunbergii</i> DC	Fang Ji, Japan Han Fang Ji, Qing Teng	(root) Sinomenine, disinomenine, sinoacutine, isosinomenine, sinactine, tuduranine, michelalbine, acutumine, acutumidine. ³³	Similar to morphine but less potent. Sedative, antitussive, anti-inflammatory.
<i>Cocculus laurifolius</i> DC <i>C. sarmentosus</i> DC <i>C. trilobus</i> (Thunb.) DC	Mu Fang Ji Japan Mu Fang Ji	(root) Magnoflorine, triboline, homotrilobine, isotrilobine, normenisarine, coclobine, cocculolidine, trilobamine. ³³	Analgesic effect, can reduce swelling, relieve arthritis pain and neuralgia, treat pulmonary and cardiac edema.
<i>Codonopsis lanceolata</i> (Sieb. et Zucc.) Trautv.	Yang Lu (Bellflower)	(whole plant) Apigenin, luteolin, alpha-spinasterol, stigmastanol, oleanolic acid, echinocystic acid, albigenic acid. ⁴⁸	Treat lung abscesses, stimulate milk flow, treat amenorrhea.
<i>Codonopsis pilosula</i> (Franch.) Nannfeldt <i>C. tangshen</i> Oliv. <i>C. ussuriensis</i> (Rupr. et Maxim.) Hemsl.	Dong Seng	(root) Taraxeryl acetate, friedelin, n-butyl allophanate, inulin, sucrose, amino acids, stigmasterol, spinasterol, methyl palmitate, taraxerol, triterpenoids, delta-spinasterol, delta-7-stigmastanol, perlolyrine glucopyranosides. ^{48,253,470,471}	For amnesia, anorexia, asthma, cachexia, cancer, impotence, insomnia, palpitations, hypotensive and vasorelaxant activities.

<i>Coix agrestis</i> Lour. <i>C. chinensis</i> Tod. <i>C. lachryma</i> L. <i>C. lachryma-jobi</i> L. var. ma-yuen (Roman) Stapf.	Yi Yi (Rosary beads)	(seed, root) Coixenolide, coixol, protein, myristic acid, palmitic acid, stearic acid, oleic acid, linoleic acid, polysaccharides, triglycerides, phospholipids, benzoxazinones, adenosine. ^{48,50,239,437,472,473,473,475}	For intestinal or lung cancers and warts, antitumor, antirheumatic, diuretic, refrigerant.
<i>Commelina communis</i> L.	Ya Zhi Cao (Dayflower)	(aerial part) Awobanin, commelin, flavocommelitin. ³³	Antibacterial, antipyretic, diuretic, antiedematous.
<i>Commiphora myrrha</i> Engler	Mo Yao (Myrrh)	(stem) From gum resin, essential oils including myrcene, alpha- camphorene, Z-guggulsterol, guggulsterol, makulor, cembrene. ³³	Stimulate blood flow, relieve pain, promote tissue regeneration.
<i>Conioselinum univittatum</i> Turcz.	Gong Chong	(root) Essential oil. ⁴⁹	Emmenagogue, sedative.
<i>Convallaria keiskei</i> Miq.	Ling Lan	(whole plant) Convallatoxin, convalloside, convallamarin, convallatoxin. ³³ This herb is toxic.	Treat heart disease, detoxify the liver.
<i>Convolvulus arvensis</i> L.	Tian Xuan Hua (Bindweed)	(whole plant) Quercetin, kaempferol, caffeic acid, beta-methylaesculetin. ⁴⁸	Improve blood circulation, relieve pain and itchiness.
<i>Conyza canadensis</i> (L.) Cronq.	Xiao Fei Peng	(aerial part) Essential oils, matricaria ester, dehydromatricaria ester, linoleyl acetate, limonene, linalool, centaur X, dephenyl methane-2-carboxylic acid, cumulene, O-benzylbezoic acid. ⁴⁸	Relieve swelling, itchiness, treat intestine and liver infection, a detoxicant, externally for skin eczema, wounds, pain caused by arthritis, toothache.

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<i>Coptis chinensis</i> Franch. <i>C. japonica</i> Makino <i>C. teeta</i> Wall.	Huang Lian (Gold thread)	(root) Berberine, coptisine, urbenine, worenine, palmatine, jatrorrhizine, columbamine, lumicaerulic acid. ^{33,60,248,510} This herb is toxic.	Antiarrhythmic, antibacterial, antiviral, antiprotozoal, anticerebral ischemic.
<i>Corchorus capsularis</i> L. <i>C. olitorius</i> L.	Huang Ma Sha Ma (Jute)	(leaf, flower) Glycosides, capsularin, corchorin, corchoritin, aglycone, strophanthidin, digitoxigenin, coroloside, glucoevatromonoside, erysimoside, olitoriside, linolic acid, corchoroside, helveticoside, corchotoxin, oleic acid, palmitic acid, stearic acid. ^{60,498,499,500}	Treat dysentery, consumptive cough, epistaxis, bladder diseases. Inhibitory effect on lipopolysaccharide-induced NO production in cultured mouse peritoneal macrophages.
<i>Cordyceps sinensis</i> Link.	Dong Chong Xia Chao	(fruit body) 2'-deoxyadenosine, adenosine, sterols, saccharides, protein, cordycepin, d-mannitol. ^{33,91,92,401,402,412,413,414,459} Lead poisoning was reported. ²³⁸	Antisenescence, hypolipidemic, endocrine, antitumor, antiatherosclerotic and sexual function-restorative activities. Treat respiratory, renal, liver and cardiovascular diseases, antileukemic cells, hyposexuality, and hyperlipidemia.

<i>Coriandrum sativum</i> L.	Hu Sui (Coriander)	(leaf) Acetone, borneol, coriandrol, cymene, decanal, decanol, decylic aldehyde, dipentene, geraniol, rutin, limonene, linalool, malic acid, nonanal, oxalic acid, phellandrene, tannic acid, terpinene, terpinolen, umbelliferone, scopoletun, coumarins, quercetin, kaepferal, aflatoxins. ^{50,450}	Eruptions of pox and measles.
<i>Coriolus versicolor</i> (L. ex Fr.) Quel.	Yun Chih	Polysaccharides, polysaccharopeptide. ^{415,416,417,418}	Antimetastatic effect, anti-lung cancer, tumor inhibition, against immunodeficiency virus.
<i>Cornus alba</i> L. <i>C. kousa</i> Hance <i>C. macrophylla</i> Wallich	Si Zhao Hua Jian Zi Mu (Dogwood)	(bark, shoot, leaf) Quercitol, kaempferol, dihydroxyglutamic acid, phenethylamine. ⁴⁸	Astringent, antimalarial, treat arthritis, backache, diabetes, hepatitis, malaria, metrorrhagia, cancer.
<i>Cornus officinalis</i> Sieb. et Zucc.	Shan Zhu Yu (Dogwood)	(sarcocarp) Morroniside, 7-O-methyl- morroniside, sworoside, loganin, longiceroside, tannic acid, resin, tartaric acid, cornin, gallic acid, malic acid. ^{33,60}	Diuretic, treat dysmenorrhea, excessive menstruation, impotency, backache, dizziness.
<i>Cornus walteri</i> Wangerin	Korean Si Zhao Hua (Korean cornel)	(leaf, fruit) Fatty acid, loganin, linolenic acid. ^{48,53}	An astringent.

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<i>Corydalis ambigua</i> Cham. et Schlecht. var. <i>amurensis</i> Maxim. <i>C. repens</i> Mandl. et Muehld. var. <i>watnabei</i> (Kitag.) Y. C. Chu <i>C. ternata</i> (Nakai) Nakai <i>C. turtschaninovii</i> Besser Bess f. <i>yanhusa</i> <i>C. yanhusuo</i> W.T.Wang ex Z. Y. Su et C. Y. Wu	Yan Hu Suo Korean Yan Hu Suo	(tuber) d-corydaline, corydalis, dl-tetrahydropalmatine, crybulbine, tetrahydrocoptisine, corydalamine, tetrahydrocolumbamine, protopine, alpha-allocryptopine, coptisine, dehydrocorydaline, columbamine, dehydrocorydalmine. ³³ Toxic if overdosage.	Analgesic, sedative, hypnotic, synergistic, increase coronary blood flow.
<i>Corydalis decumbens</i> (Thunb.) Pers.	Xia Tian Wu	(aerial part) Protopine, bulbocapnine, d-tetrahydropalmatine. ^{33,240} Toxic if overdosage.	Relieve pain after bone fractures, antihypertensive, antirheumatic.
<i>Corydalis incisa</i> (Thunb.) Pers. <i>C. bungeana</i> Turcz.	Chuan Duan Chang Cao Di Ding Zi Jing (Corydalis)	(whole plant) Protopine, pallidine, sinocecatine, corynoline, isocorynoline, coptisine, corycavine, acetylcorynoline, corynoloxin, coreximine, reliculine, corydamine, scoulerine. ^{33,50}	For rectal prolapse, abscesses, hemorrhoids.
<i>Corylus heterophylla</i> Fisch. ex Besser. <i>C. mandshurica</i> Maxim. ex Rupr. <i>C. mandshurica</i> Maxim. ex Rupr. f. <i>brevituba</i> (Kom.) Kitag.	Zhen (Filbert)	(seed) Beta-carotene, thiamine, riboflavin, niacin, ascorbic acid. ⁵⁰	To improve appetite, a digestive.

<i>Costus speciosus</i> (Koen.) Smith	Bi Qao Jiang (Crepe ginger)	(whole plant) Diogenin, tigogenin, corticosteroids, 3-(4-hydroxyphenyl)-2 (E)-propenoate. ^{50,194,450}	For fever, anasarca, asthma, bronchitis, cholera, antifungal.
<i>Cotinus coggygia</i> Scop.	Huang Lu (Smoke tree)	(leaf, twig) Myricetin, myricitrin, fisetin, fustin. ³³	Antipyretic.
<i>Cotyledon fimbriatum</i> Turcz. <i>C. malacophylla</i> Pall.	Zuo Yie He Cao	(whole plant) ⁵⁰ No information is available in the literature.	Treat tumors, for dysentery, hemostatic, stop intestinal bleeding.
<i>Crataegus cuneata</i> Sieb. et Zucc. <i>C. chlorusarca</i> Maxim. <i>C. dahurica</i> Koehne ex Schneid. <i>C. maximowiczii</i> Schneid. <i>C. pentagyna</i> Waldst. et Kit. <i>C. pinnatifida</i> Bunge. <i>C. sanguinea</i> Pall.	Shan Zha (Hawthorn)	(unripe or ripe fruit) Flavonoids, quercetin, hyperoside, l-epicatechin, d-catechin, saponins, chlorogenic acid, caffeic acid, citric acid, crataegolic acid, corosolic acid, maslinic acid, ursolic acid. ^{13,33,231}	Cardiotonic agent, treat hypercholesterolemia, angina pectoris, hypertension.
<i>Crocus sativus</i> L.	Shi Hong Hua (Saffron)	(root) Crocetin, crocetin geniobiose glucose ester, crocetin di-glucose ester, crotin, lycopene, beta- carotene. ^{33,450}	Ameliorating effect on ethanol- induced impairment of learning and memory.
<i>Crotalaria mucronata</i> Desv.	Zhu Shi Tou (Rattlebox)	(whole plant) Mucronatine, mucronatinine, retrosesine, usaramine, nilgirine, vitexin, vitrexin-4-O-xyloside, apigenin. ³³	Treat frequent urination in children, edema, chronic diarrhea, pelvic infections.
<i>Crotalaria sessiliflora</i> L.	Ye Bai He (Narrow-leaved rattlebox)	(whole plant) Monocrotalines. ³³ This herb is toxic.	Anticancer.

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<i>Croton cascarilloides</i> Raeushel <i>C. tiglium</i> L.	Ba Dou (Croton)	(seed) Croton resin, phorbol, crotonic acid, crotin, crotonoside. ^{33,144} This herb is very toxic.	Purgative, wound healing properties.
<i>Cryptotaenia japonica</i> Hasskarl <i>C. canadensis</i> (L.) DC	Japan Liu Shan Ya Er Qin	(whole plant) Cryptotaenen, kiganen, kiganol, petroselic acid, isomesityl oxide, mesityl oxide, methyl isobutyl ketone, <i>trans</i> -beta-ocimene, terpinolene. ^{48,50}	For diarrhea, dysmenorrhea, rheumatism, tubercular glands.
<i>Cucumis melo</i> L.	Gua Di (Cantaloupe)	(pedicel) Melotoxin, cucurbitacin B, cucurbitacin E, sterol. ^{33,351}	Produce vomiting for drug intoxication, treat toxic and chronic hepatitis and cirrhosis of the liver.
<i>Cucumis sativus</i> L.	Huang Gua (Cucumber)	(leaf, fruit, seed) Arginine, caffeic acid, chlorogenic acid, cucurbitacins, fructose, galactose, isoquercitrin, mannose, 2,6-nonadienol, rutin, linoleic acid, oleic acid, palmitic acid, stearic acid, sterol. ^{50,351}	Diuretic, purgative, vermifuge, pulp can be used for burns, scalds, and skin ailments.
<i>Cucurbita moschata</i> Duch. var. <i>melonaeformis</i> (Carr.) Makino <i>C. pepo</i> L.	Nan Gua Zi (Winter crookneck squash)	(seed) Cucurbitine, sterol. ^{33,235,351}	Treat taeniasis.
<i>Cunninghamia lanceolata</i> (Lamb.) Hooker	Shan (China fir)	(stem) Borneol, camphene, cineole, citrene, limonene, phellandrine, pinene, terpineol, essential oils. ⁵⁰	For lacquer poisoning, chronic ulcers, cholera, flatulence.

<p><i>Curculigo capitulata</i> (Lour.) O. Kuntze <i>C. ensifolia</i> R. Br. <i>C. malabarica</i> Labill. <i>C. orchiodes</i> Gaertn. <i>C. stams</i> Labill.</p>	<p>Da Xian Mao Xian Mao (Black musli)</p>	<p>(rhizome) Calcium oxalate, resin, tannins.⁵⁰</p>	<p>Improve immuncity, stimulate endocrine system.</p>
<p><i>Curcuma longa</i> L. <i>C. domestica</i> L.</p>	<p>Yu Jin (Turmeric)</p>	<p>(tuber) l-curcamene, sesquiterpene, camphor, camphene, curmarin, curzernone, curzenene, curcumol, furanodienone, furanodiene, zederone, curcolone, diol, procurcumenol, curdione, curcumin.^{33,398,460,510}</p>	<p>Anti-inflammatory, antitumor, anti-infectious properties, antioxidative activity. Activate blood flow, remove blood stasis.</p>
<p><i>Curcuma pallida</i> Lour. <i>C. phaeocoulis</i> Val.</p>	<p>E Zhu Peng Wo Mao</p>	<p>(rhizome) Volatile oil, cineole, camphene, zingiberene, borneol, camphor, curcumin, zedoarin, gum, resin.⁶⁰</p>	<p>Stomachic, carminative.</p>
<p><i>Curcuma zedoaria</i> (Christ.) Roscoe <i>C. aromatica</i> Salisk. <i>C. kwangsiensis</i> A. Lee</p>	<p>E Zu (Wild turmeric)</p>	<p>(rhizome) Curzerenone, curzenene, zederone, zerumbone, furanodiene, curdione, furanodienone, curculone, diol, procurcumenol, curcumin, turmerone, zingiberene, 3-(4-hydroxyphenyl)-2 (E)-propenoate.^{33,192,194} This herb is toxic.</p>	<p>Inhibit mutagenesis and tumor promotion, anti-inflammatory, antitumor, anti-infectious, antifungal, anti-HIV.</p>
<p><i>Cuscuta australis</i> R. Brown</p>	<p>Dou Tu Si (Dodder)</p>	<p>(seed, aerial part) Carotenoids, alpha-carotene-5, 6-epoxide, taraxanthin, lutein.⁴⁸</p>	<p>For fever, constipation, diuretic.</p>

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<i>Cuscuta chinensis</i> Lam. <i>C. europaea</i> L. <i>C. japonica</i> Choisy <i>C. lupuliformis</i> Krockner	Tu Si Zi (Dodder)	(seed) Cuscutalin, bergenin, cuscutin, amarbelin, cholesterol, campesterol, beta-sitosterol, stigmasterol, beta-amyrin. ⁴⁸	Improve immunity, increase blood sugar metabolism.
<i>Cyathula prostrate</i> (L.) Blume	Bei Xian	(leaf, root) Ecdysterone. ⁵⁰	Laxative, for dysentery, rheumatism, syphilis.
<i>Cycas revoluta</i> Thunb.	Tie Shu (Sago palm)	(leaf) Sotelsulflavone, hinokiflavone, amentoflavone. ³³	Promote blood circulation.
<i>Cydonia sinensis</i> Thou. (Syn. <i>Chaemeles sinensis</i>)	Xuan Mu Gua (Quince)	(fruit) Vitamin C, malic acid, tartaric acid, citric acid, hydrocyanic acid. ⁴⁹	As astringent in diarrhea, analgesic in arthralgia, gout, cholera.
<i>Cymbidium hyacinthinum</i> Sm. <i>C. striatum</i> Sw. (Syn. <i>Bletilla hyacinthina</i>)	Bai Ji	(root) Mucilage, essential oil, glycogen. ⁴⁹	For stomachache, venereal disease. Externally as emollient for burns and skin disorders.
<i>Cymbopogon citratus</i> (DC) Stapf.	Ning Meng Sian Mao (West Indian lemongrass, citronella)	(leaf, root) Elemicin, cymbopogonol, citral, dipentene, methylheptenone, beta- dihydropseudoionone, linalool, methylheptenol, alpha-terpineol, geraniol, nerol, farnesol, caprylic, citrogellol, citronellal, decanal, farnesal, isovaleric, geranic, citronellic. ^{50,60}	Treat blood in the urine, fever, antiseptic, preservative.

<i>Cymbopogon distans</i> (Nees ex Steud.) J. F. Watson <i>C. goeringii</i> (Steud.) A. Camus <i>C. nardus</i> Rendle	Yun Xian Cao Xian Mao	(aerial part) Piperitone, essential oils. ^{33,192}	Antagonize muscle contraction, antitussive, antibacterial.
<i>Cynanchum atratum</i> Bunge. <i>C. auriculatum</i> Royle	Bai Way	(stem, root) Cynanchol, cynanchin, cynanchocerin. ^{50,267} This herb cause abortion in sow.	For fever, leucorrhoea, nephritis, tuberculosis, antipyretic, diuretic.
<i>Cynanchum japonicum</i> Moore et Decne.	Bai Chen	(root) ⁵⁰ No information is available in the literature.	Antitussive, expectorant, for bad cold with cough and discomfort in the chest, asthmatic breathing, and acute bronchitis.
<i>Cynanchum paniculatum</i> L.	Xu Chang Qing	(root) Paeonol, paeonin, tomentogenin, deacylcynanchogenin, sarcostin, deacylmetaplexigenin. ^{33,50}	Sedative, analgesic, effect on the cardiovascular system, lower plasma cholesterol level.
<i>Cynodon dactylon</i> (L.) Persoon	Tie Xian Cao	(root) Beta-sitosterol. ⁵⁰	Anticancer, depurative, diuretic, emollient.
<i>Cynoglossum divaricatum</i> Stemphan	Dao Ti Hu (<i>Cynoglossum</i> , hound's tongue)	(leaf) Potassium nitrate. ⁹⁶	A diuretic.
<i>Cynomorium coccineum</i> L. <i>C. songarium</i> L.	Su Yang (Juniper)	(stem) Anthocyanin, beta-sitosterol, palmitic acid, ursolic acid, daucosterol, catechin, naringenin-4'-O-pyrangluoside, succinic acid. ^{53,215}	Improve immunity, stimulate endocrine system, aphrodisiac, spermatopoietic.

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<i>Cyperus brevifolius</i> (Rottb.) Hassk. <i>C. difformis</i> L. <i>C. glomeratus</i> L. <i>C. iria</i> L.	Sha Cao	(rhizome) Allelopathic essential oils, terpenes, alpha-cyperone, beta-selinene, alpha-humulene. ^{60,197,198}	A vermifuge, antidote, remedy for dysentery, alleviate stress, sedative.
<i>Cyperus rotundus</i> L.	Xiang Fu (Nut grass)	(tuber) Essential oils, alpha-cyperene, beta-cyperene, alpha-cyperol, beta-cyperol, cyperone, patchoulone, kobusone, capadiene, epoxyquaine, rotundone, rotunol, terpenes, olealonic acid, beta-sitosterol, pinene, sesquiterpenes. ^{33,450}	Treat dysmenorrhea, menstrual irregularities.
<i>Cypripedium guttatum</i> Swartz <i>C. macranthum</i> Swartz <i>C. macranthum</i> Swartz f. albiflorum Y. C. Chu <i>C. pubescens</i> Willd.	Shao Lan	(root, flower) Flavonoids, phenols, sterols, vitamin C. ⁴⁸	Diuretic, improve blood circulation, relieve pain.
<i>Cyrtomium falcatum</i> (L. f.) Presel.	Quan Yuan Guan Zhong	(root) Flavonoid, cyrtomin, astragaline, isoquercitrin. ⁵⁷	Treat cold, fever, dizziness due to high blood pressure, insomnia.
<i>Cytisus scoparius</i> (L.) Link.	Jin Que Hua (Scotch broom)	(root) Sparteine, sarothamine, genisteine, scoparin. ⁶⁰	As a fomentation for bruises, a remedy for coughs, colds.
<i>Daemonorops draco</i> Blume.	Xue Jie	(resinous secretion from fruits) Amorphous dracoresene, amorphous dracoalban, benzoic acid, cinnamic acid, resin. ⁴⁹	Astringent, hemostatic, anticancer, for cancerous sores.

<i>Daemonorops margaritae</i> (Hance) Beccari	Huang Teng	(aerial plant) Dracoalban, dracoresene, dracoresinotannol, benzolacetic ester. ⁶⁰	Astringent.
<i>Daphne fortunei</i> Lindl. <i>D. genkwa</i> Sieb. et Zucc.	Yuan Hua (Fish poison)	(flower) Genkwain, yuanhuacine, apigenin, hydroxygenkwain, yuanhuatine, yuanhuadine, genkwadaphnin, 12-benzoydaphnetoxin. ^{33,53,144,235} This herb is toxic.	Induce abortion, treat chronic bronchitis, malaria, cutaneous infections.
<i>Daphne giraldii</i> Nitsche <i>D. gurakduu</i> Nitsche <i>D. retusa</i> Hemsl. <i>D. tangutica</i> Maxim.	Zu Si Ma (Mezerum)	(root bark) Daphnetins. ³³	Analgesic, anti-inflammatory, antibacterial.
<i>Daphne koreana</i> Nakai	Chang Bai Rui Xiang (Daphne)	(root, stem) Daphnetins. ³³	Treat angina pectoris, arthritis.
<i>Daphnidium myrrha</i> Sieb. et Zucc. <i>D. strychnifolius</i> Sieb. et Zucc.	Wu Yao	See <i>Lindera strychnifolia</i>	
<i>Datura alba</i> Nees. <i>D. fastuosa</i> L. var. <i>alba</i> Clark <i>D. innoxia</i> Mill. <i>D. metel</i> L. <i>D. stramonium</i> L. <i>D. tatula</i> L.	Man Tu Luo (Jimsonweed)	(leaf, seed, flower) Scopolamine, hyoscyamine, daturodiol, daturodone, hyoscine. ^{33,144,450} This herb is toxic.	Spasmolytic, analgesic, antiasthmatic, antirheumatic agent. A general anesthetic for major operations.
<i>Datura suaveolens</i> Humb. & Bonpl. ex Willd.	San Hu Shu	(leaf, seed) 1-hyoscyamine, scopolamine, atropine, anisodine, anisodamine. ⁵³	Antispasmodic, bronchodilator.

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<i>Daucus carota</i> L. subsp. sativa Hoffm.	Nan He Chi (Carrot)	(whole plant) Carotenes, lycopene, phytofluere, umbelliferone, alpha-pinene, camphene, myrcene, daucol, alpha-phellandrene, bisabolene, luteolin-7-glucoside, daucine, pyrrolidine, geraniol, citronellol, carotol, citral, caryophyllene, p-cymene, asarone, daucosterol, petroselinic acid. ⁴⁸	For chronic dysentery, worms, carminative, diuretic, emmenagogue, lower blood sugar, prevent cancer, diabetes, dyspepsia and gout.
<i>Delonix regia</i> (Boj.) Raf.	Feng Huan Mu	(bark, leaf) Gum, saponin, alkaloid. ⁶¹	Febrifuge.
<i>Delphinium grandiflorum</i> L.	Cui Que	(root, whole plant) Methylcaconitine. ⁴⁸	Emetic, cathartic.
<i>Dendrobium nobile</i> Lindl.	Shi Dou (Orchid)	(stem) Dendrobine. ⁵⁰	Analgesic, hyperglycemic, hypotensive, hypothermic.
<i>Desmodium microphyllum</i> (Thunb.) DC	Sui Me Jie	(whole plant) Kaempferitrin. ⁴⁸	Antitoxic, relieve diarrhea, cough, pain, snakebite.
<i>Desmodium pulehellum</i> (L.) Benth.	Pai Qian Chao	(aerial part) Bufotenine, nigerine, donoxime. ³³	Antimalarial, antipyretic, antischistosomiasis.
<i>Desmodium triflorum</i> (L.) DC	San Dian Jin Cao	(whole plant) Potassium oxide, silicic acid, tannins. ⁶⁰	For dysentery, antirheumatic, antipyretic, jaundice, gonorrhoea. Externally for wounds, abscesses, ulcers.
<i>Desmodium triquetrum</i> (L.) DC	Hu Lu Cao	(leaf) Potassium oxide, silicic acid, tannins. ^{50,60}	A tonic for dyspepsia, hemorrhoids, infantile spasms, insecticide, vermicide.

<i>Dianthus barbatus</i> L. var. asiaticus Nakai <i>D. superbus</i> <i>D. oreadum</i> Hance	Qu Mai (Carnation)	(aerial part) Dianthus saponin, essential oils, eugenol. ³³	Antipyretic, diuretic. Treat urinary tract infections, relieve strangury.
<i>Dichroa cyanitis</i> Miq. <i>D. febrifuga</i> Lour. <i>D. latifolia</i> Miq.	Chang Shan (Chinese quinine, fever flower)	(root) Dichroines, dichroidine, 4-quinazolone, dichrins. ³³ This herb is toxic.	Antiamebial, antipyretic, for use against chicken malaria.
<i>Dicranopteris linearis</i> (Burm. f.) Under.	Mang Ji	(leaf, stem) Quercitrin, afzelin, nonacosane, heptacosane, nonacosan-10-one, nonacosan-10-ol. ⁵⁴	Anthelmintic, a poultice for fever, improve blood circulation, diuretic.
<i>Dictamnus albus</i> L. subsp. dasycarpus (Turcz.) Winter <i>D. dasycarpus</i> Turcz.	Bai Xian Pi (Fraxinella)	(root bark) Dictamnine, skimmianine, saponins, preskinnianine, choline, fragarine, auraptin, bergapten, isomaculosindine, limonin, obakinone, fraxinellone, psoralen, trigonelline. ^{50,60}	Antifungal, antipyretic, antiseptic, antitussive, sedative, emmenagogue, tonic.
<i>Digitalia purpurea</i> L. <i>D. sanguinalis</i> (L.) Scop. <i>D. sanguinalis</i> (L.) Scop. var. ciliaris (Retz.) Parl.	Mao Di Huang (Foxglove)	(whole plant) Digitoxigenin, gitoxigenin, gitanin, gitaloxigenin, digitoxin, gitoxin, gitaloxin, digicoside, strospeptide, digipurin, digicirin, digifolein, digitonin, purpureal glycosides. ⁶⁰	For gonorrhoea, scleroses of the breast.
<i>Dioscorea batatas</i> Decaisne	Shu Yu (Yam)	(root) Allantoin, arginine, d-abscisin, mannan, phytic acid, diosgenin, protein, glycosides, triterpene glucosides. ^{48,461,462}	Antitumor, sore throat, swelling, food poisoning, goiter, hernia, purulent inflammations.

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<i>Dioscorea bulbifera</i> L.	Huang Yao Zi (Potato yam)	(rhizome) Saponins, dioscorecin, iodine, dioscoretoxin, saponins, diosgenin, diosbulbin, tannins, campesterol, beta-sotpsterols, stigmasterol, diosbulbines. ^{33,48}	Treat cancer, goiter.
<i>Dioscorea cirrhosa</i> L. <i>D. hispida</i> Dennst. <i>D. japonica</i> Thunb.	Shu Liang (Dyeing yam)	(tuber) Tannins, mucus. ³³	Hemostatic, increases platelet aggregation, increases uterine contraction.
<i>Dioscorea nipponica</i> Makino	Chuan Shan Long (Japanese yam)	(root) Dioscin, diosgenin, trillin, 25-D-spirosta-3,5-diene. ^{33,53}	Anti-inflammatory, antitussive, expectorant, antiasthmatic.
<i>Dioscorea opposita</i> Thunb.	Shan Yao (Chinese yam)	(leaf, tuber, root) Allantoin, arginine, choline, glutamine, leucine, tyrosine, diosgenin, sinodiosgenin. ⁵⁰	Leaf juice for snakebite, root for asthma, cachexia, cough, debility, diarrhea, neurasthenia, polyuria, tuber is anthelmintic.
<i>Diospyros chinensis</i> Blume <i>D. costata</i> Carr. <i>D. kaki</i> L. <i>D. lotus</i> L. <i>D. roxburgii</i> Carr.	Shi Zi (Varnish persimmon, date plum)	(stem bark, fruit) Betulinic acid, acetylcholine, choline, shibuol. ⁵⁰	Astringent, stomachic, treat diarrhea, enterorrhagia, hemorrhoids, antifebrile, antivinous, demulcent.
<i>Dipsacus asper</i> Wall.	Xu Duan (Teazel)	(root) Essential oil, alkaloid lamine. ⁵⁰	Increase the leukocyte count, prevent spontaneous abortion.
<i>Dodonaea viscosa</i> (L.) Jacquin	Che Sang Zi	(leaf, bark) Alkaloid, glucoside, tannins, resins. ⁶⁰	Remedy for fever, astringent to treat eczema.

<i>Dolichos lablab</i> L.	Bai Ben Dou (Hyacinth bean)	(flower, seed) Glucokinin, plant insulin, tryptophane, arginine, lysine, tyrosine. ⁶²	Treat menorrhagia, leucorrhea, metritis.
<i>Draba nemorosa</i> L.	Ting Li Zi	(fruit stalk, seed) Allyl sinapic oil. ⁶⁰	As an expectorant, diuretic in chronic trachitis, asthma, pleurisy, hydrothorax.
<i>Draceana graminifolia</i> L. (Syn. <i>Liriope spicata</i>)	Mo Men Dong	(rhizome) Mucilage, dracorubin, dracorhodin, nordracorubin. ^{49,53}	Antitussive, expectorant, emollient.
<i>Dracocephalum integrifolium</i> L.	Quao Ye Ging Lan	(aerial plant) Essential oil, flavone glucoside. ³³	Antitussive, antiasthmatic, antiphlogistic, antibacterial.
<i>Drosera anglica</i> Hudson <i>D. burmanni</i> Vahl. <i>D. rotundifolia</i> L.	Mao Gao Cai (Sundew)	(whole plant) Citric acid, malic acid. ⁵⁷	Treat dysentery, scrofula, and malaria.
<i>Dryobalanops aromatica</i> Gaertn. <i>D. camphora</i> Colebr.	Loan Now Xiang (Borneo camphor)	(kernel of the fruit) Borneol, camphene, terpineol, sesquiterpene. ⁶⁰ This herb is toxic.	A tonic and aphrodisiac, cataracts, reduce swelling. Externally for mucous membrane of the nose, eye, throat, and on piles.
<i>Dryopteris crassirhizoma</i> Nakai	Guan Zhong	(rhizome) Filmarone, filicic acid, diplotene, albaspididin, flavaspidin, fernene, dryocrassin. ³³	Anthelmintic, an insecticide, antitumor.
<i>Dryopteris laeta</i> (Kom.) Christ. <i>D. filix-mas</i> (L.) Schott.	Mian Ma Guan Zhong	(rhizome) Dryocrassin, filicic acid, filicin, paraaspidin, deaspidin, albaspidin, oleoresin, filmarone, flavaspidic acid, resin, diplotene. ^{50,53,60}	Anthelmintic to treat tapeworm, hemorrhage, hookworm, influenza. Externally treat leucoderma,

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<i>Duchesnea indica</i> (Andr.) Focke.	She Mei (Mock strawberry)	(whole plant) Emodin, chrysophanic acid, phytosterol, volatile oil, calcium. ⁶⁰	Insecticide, antidote, treat whitlow, burns, snakebite.
<i>Dysosma pleiantha</i> (Hance) Woodson	Pa Jiao Lian	(rhizome) Podophyllotoxin, astragaline, peltatin, etoposide, hyperin, deoxypodophyllotoxin. ³³	Treat condyloma acuminata, exophytic warts.
<i>Echinops dahuricus</i> Fisch. <i>E. gmelini</i> Ledeb. <i>E. grijsii</i> Hance <i>E. latifollus</i> Tausch. <i>E. sphacrocephalus</i> Miq.	Lou Lu (Globe thistle)	(root, flower stalk) Echinopsine. ⁴⁸	Anthelmintic, galactagogue, depurative, treat tumors, swellings, leucorrhea, and gout.
<i>Eclipta alba</i> Hassk. <i>E. marginata</i> Boiss. <i>E. prostrata</i> (L.) L. <i>E. thermalis</i> Bunge.	Fang Kui (Pink plant)	(aerial part) Alkaloids, nicotine, ecliptine. ⁶⁰	Leaves heated or crushed in oil are applied to keep the hair black and to encourage its growth. Astringent, hemostatic, tonic.
<i>Eclipta erecta</i> L.	Mo Han Lian (Eclipta)	(aerial part) Essential oils, tannic acid, saponin, wedolactone, nicotine, ecliptine, demethylwedolactone, alpha- tertiary methanol, stigmaterol, beta-amyirin. ^{33,450}	Hemostatic effect, antimytotoxic, antihemorrhagic.
<i>Elaeagnus formosana</i> Nakai	Tiawan Hu Tin Chi	(root) ⁵⁶ No information is available in the literature.	For arthritis pain, throat swelling, cough, bleeding, menses, stomachache.

<i>Elaeagnus glabra</i> Thunb.	Teng Hu Tin Chi (Elaeagnus)	(leaf, bark) Flavonoids, epigallocatechin, amino acids. ⁵⁶	Antifungal, antibacterial properties, relieve pain swelling, treat hepatitis, gastritis.
<i>Elaeagnus oldhumii</i> Maixmowicz	Yi Wu	(root) Sitosterol, muslinic acid, sitosteryl glucopyranosid, arjunolic acid. ⁵⁶	Treat arthritis pain, asthma.
<i>Elaeagnus pungens</i> Thunb. <i>E. umbellata</i> Thunb.	Hu Tin Chi	(root, leaf, fruit) Harman, tetrahydroharman, dihydroharman, 2-methyl-1,2,3, 4-tetrahydro- β -carboline, caffeic acid, chlorogenic acid, catechin, neochlorogenic acid, epicatechin. ⁴⁸	Treat coughs, watery diarrhea, an astringent in hemoptysis.
<i>Elephantopus elatus</i> L. <i>E. grandiflorus</i> Smith	Di Dan Tou	(leaf) Elaeocarpid, saponin. ⁶⁰ This herb is toxic.	Treat billious attacks, staphylococcus.
<i>Elephantopus molis</i> H. B. K.	Mao Liang Cai (Hairy elephant's foot)	(whole plant) Elephantin, deoxyelephantopin, isodexyelephantopin, elephantopin, molephantin, motepphantinin, phantomolin, dotriacontanol, epifriedelinol, lupeol, lupeol acetate. ⁵⁸	A tonic, diuretic, treat swellings, diarrhea.
<i>Elephantopus scaber</i> L.	Tian Ja Cai (Rough elephant's foot)	(whole plant) A bitter principle, a glycosidic compound. ^{50,52}	Diuretic, tonic, vermifuge, for diarrhea, dysentery, leucorrhoea.

Scientific Name	Common Chinese and (English) Name	Major Constituents and (sources)	Therapeutic Values*
<i>Elettaria cardamomum</i> Maton.	Yi Zhi Zi (Cluster cardamom)	(seed) Phytosterol, palmitic acid, oleic acid, linoleic acid, p-cymene, camphene, d-limonene, myrcene, alpha-phellandrene, pinene, sabinene, terpinene, thujone, cineole, camphorm citral, linalol, citronellal, dl-borneol, citronellol, geraniol, terpineol, sabinene. ⁵⁰	Carminative, emmenagogue, stimulant, stomachic, tonic. Treat ague, cachexia, dyspepsis, enuresis, gastralgia, nausea, spermatorrhea.
<i>Eleutherococcus senticosus</i> (Rupr. ex Maxim.) Maxim.	Ci Wu Jia (Siberian ginseng)	(bark, root) Eleutherosides, beta-sitosterol glucoside, l-sesamen, syringareinol. ^{7,33}	Central nervous system activating and antistress action.
<i>Elsholtzia argyi</i> Lev. <i>E. cristata</i> Willd. <i>E. feddei</i> Lev. <i>E. souliei</i> Lev. <i>E. splendens</i> Nakai	Xiang Xu (Aromatic madder)	(whole plant) Essential oils, elsholtzia ketone, elsholtzianic acid, furylmethyl ketone, furylpropyl ketone, furylisobutyl ketone, furane, pinene, terpene. ⁴⁹	Stomachic, carminative, diuretic.
<i>Emilia sonchifolia</i> (L.) DC	Zi Bei Cao (Red tasselflower)	(leaf) Alkaloids. ⁶³	For dysentery, phthisis, coughs, a detoxicant, diuretic, febrifuge.
<i>Entada phaseoloides</i> (L.) Merrill.	Guo Gang Long	(stem) Entagetric acid. ³³	Antirheumatic, promote collateral flow, relieve blood stasis.

<i>Ephedra distachya</i> L. <i>E. equisetina</i> Bunge. <i>E. intermedia</i> Schrenk ex Mey. <i>E. monosperma</i> Gmel. ex. Mey. <i>E. sinica</i> Stapf.	Ma Huang (Ma Huang)	(aerial part) l-ephedrine, l-methylephedrine, l-norephedrine, methylephedrine, d-pseudoephedrinem, ephedrine, d-N-methylpseudoephedrine, norpseudoephedrine. ^{30,31,33,352,510} This herb is toxic.	Treat asthma, sympathomimetic action, relieve headache, body ache and coughing, lower fever by increasing perspiration.
<i>Epidendrum monile</i> Thunb.	Shi Dou	See <i>Dendrobium nobile</i>	
<i>Epidendrum striatum</i> Thunb, <i>E. tuberosum</i> Lour.	Bai Ji	See <i>Bletilla hyacinthina</i>	
<i>Epilobium amurense</i> Haussku. <i>E. hirsutum</i> L. <i>E. palustre</i> L. <i>E. tanguticum</i> (L.) Hausskn.	Liu Ye Cai	(hair of the seed, shoot) Anthocyanin. ^{50,358}	A tonic, galactagogue, stomachache, dropsy. Seed hairs are applied as a styptic.
<i>Epimedium brevicorum</i> Maxim. <i>E. koreanum</i> Nakai <i>E. macranthum</i> Moore et Decne.	Jin Yang Huo	(aerial part) Icarlin, noricariin, korepimedeside A, korepimedeside B, icariine, des-O-methyl-licariine, magnoflorine, epimedeside A, polysaccharides. ^{33,48}	Dilate the coronary vessels and increase the coronary flow by reducing vascular resistance.
<i>Equisetum arvense</i> L. <i>E. hyemale</i> L. <i>E. ramosissimum</i> Desf.	Mo Ja Chao (Horsetail)	(whole plant) Equisetonin, equisetin, articulain, isoquereitrin, galuteolin, populnin, kaempferol-3,7-diglucoside, astragalin, palustrine, gossypitrin, 3-methoxy pyridine, herbacetrin. ⁴⁸	Antihemorrhagic, anodyne, carminative, diaphoretic, diuretic.

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<i>Erigeron canadensis</i> L. <i>E. annuus</i> (L.) Persoon	Canada Pon Yi Nian Pon (Fleabane)	(leaf) Essential oils, gallic acid, tannic acid, limonene, dipentene, methylacetic acid, terpineol, lachnophyllum, matricaria, dehydromatricaria, erigeron, hexahydromatricaria. ⁵⁰	For hemorrhage, diarrhea, dysentery, internal hemorrhage of typhoid fever.
<i>Eriobotrya japonica</i> Linkdl.	Pi Pa Yie (Loquat)	(leaf, flower, fruit) Levulose, sucrose, malic acid, citric acid, tartaric acid, succinic acid, amygdalin, crytoxanthin, carotenes, phenyl ethyl alcohol pentosans, essential oils. ⁵⁰	Antitussive, expectorant, treat bronchitis, cough, fever, nausea, externally applied to epistaxis, smallpox, ulcers.
<i>Eriocaulon sieboldianum</i> Stend. <i>E. buegerianum</i> Koern.	Ke Jing Cao	(whole plant) ⁵⁰ No information is available in the literature.	Antiphlogistic, diuretic, febrifuge, ophthalmic.
<i>Erycibe henryi</i> Prain <i>E. aenea</i> Prain	Ding Gong Teng	(leaf, stem, root) Scopoline, erycbelline, scopoletin, ⁵⁶	Leaf poultices applied to sores and to the head to treat headache, treat arthritis, swelling, pain.
<i>Erysimum amurense</i> Kitag. var. <i>bungei</i> (Kitag.) Kitag. <i>E. cheiranthoides</i> L.	Tang Jie	(Root, leaf, shoot) Erysimoside, erysimosol, erucic acid, canescin, erychroside, helveticosol, erythriside, corchoroside A, erysimotoxin. ^{35,48}	Treat cold and cold-related infections, sore throat, dizziness.
<i>Erythrina corallodendron</i> L. <i>E. indica</i> Lam. <i>E. variegata</i> L.	San Hu Ci Tong Hai Tong Pi (Indian coral tree)	(leaf, stem bark) Alkaloids. ⁵⁰ This herb is toxic.	Anthelmintic, antisyphilitic, laxative, analgesic in arthritis, neuralgia, rheumatism.

<i>Erythroxylum coca</i> Lam.	Guo Ko Yi	(leaf) l-cocaine, cinnamylococaine, alpha-trevilline, beta-trevilline, ecgonine, benzoylecgonine. ³³	For local anesthetic, has vasoconstriction effect.
<i>Eucalyptus robusta</i> Sm.	Da Ye An (Swamp mahogany)	(leaf) Essential oils, cineol, thymol, gallic acid. ³³	Antibacterial, antimalarial. Externally treat <i>Trichomonas</i> <i>vaginalis</i> .
<i>Euchresta japonicum</i> Benth.	Shan Duo Gen	(stem) ⁵⁰ Lupin alkaloid, (+)-5, 17-dehydromatrine N-oxide, (-)-12-cytisineacetic acid, euchrestafavanones. ^{199,200,201}	A disinfectant, for asthma, bronchitis, cancer, congestion, fever, snakebite, aphrodisiac.
<i>Eucommia ulmoides</i> D. Oliver	Du Zhong	(bark) Pinoresinol-di-β-D-glucoside, resin, aucubin, ajugoside, reptoside, harpagide acetate, encommiol. ³³	Improve liver and kidney function, lower blood pressure.
<i>Eugenia aromatica</i> Baill. <i>E. caryophyllata</i> (L.) Thunb. <i>E. ulmoides</i> Oliv.	Ding Xian (Clove tree)	(flower bud) Rhamnetin, eugenitin, kaempferol, oleanolic acid, isoeugenitin. Bark: ellagic acid, beta-sitosterol, mairin. Essential oil: ugenol, humulene, acetylugenol, chavicol, alpha- caryophylline, beta-caryophylline, ylangene. ³³	Stimulate gastric secretions, increase in digestion and a dispelling of gases. Antibacterial, antifungal.
<i>Euonymus alatus</i> (Thunb.) Sieb. <i>E. alatus</i> (Thunb.) Sieb. var. apterus Regel <i>E. bungeanus</i> Maxim. <i>E. maackii</i> Rupr.	Wei Mao (Thimble tree)	(young branch, leaf, fruit) Quercetin, dulcete, epifriedelinol, friedelin, fatty acid, alatamine, kaempferol glucosides, wilfordine, resin, sesquiterpene alkaloids. ^{33,337,338,339}	Regulate blood flow, relieve pain, eliminate stagnant blood, treat dysmenorrhea.

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<i>Eupatorium chinense</i> L. var. <i>simplicifolium</i> (Malcino) Kitam. <i>E. lindleyanum</i> DC <i>E. japonicum</i> Thunb.	Zi Lan (Thorowort)	(whole plant) Cumarin, O-cumaric acid, lactones, rhyomhydroquinone, volatile oil, euparin, bornyl acetate, dimethyl thymohydroquinone, linalool. ⁴⁸	Sedative in disturbances of pregnancy and puerperium. Carminative, diuretic, vermifuge.
<i>Eupatorium formosanum</i> L.	Taiwan Pai Lan	(whole plant) Sesquiterpine lactones, eupatolide, eupafornonin, eupafornosanin, michelenolide, costunolide, parthenolide, santamarine. ^{33,501}	Anticancer.
<i>Eupatorium odoratum</i> L.	Pei Lan	(seed) Eupatol, lupeol, beta-amyrin, salvigenin, isosakuranetin, odoratin, aromatic acids, anisic acid. ⁵⁰	Anodyne, hemostat, spasmolytic, vermifuge.
<i>Euphorbia antiquorum</i> L.	Huo Yu Jin (Fleshy spurge)	(whole plant) Friedelaun-3-ol, alpha-taraxerol, beta-amyrin, cycloarternol, euphol, alpha-euphorbol. ³³	Diuretic.
<i>Euphorbia coraroides</i> Thunb. <i>E. lasiocaula</i> Boiss. <i>E. lunulata</i> Bunge. <i>E. pallasii</i> Turcz. <i>E. pekinensis</i> Rupr. <i>E. sampsoni</i> Hance <i>E. sieboldiana</i> Moore et Decne.	Da Ji (Peking spurge)	(root) Euphorbon, euphorbias, butyric acid, calcium malate, calcium oxalate, vitamin C. ^{48,50}	Diuretic, emetic, emmenagogue, purgative.

<i>Euphorbia esula</i> L. <i>E. helioscopia</i> L.	Ze Qi or Di Jin Cao (Spurge)	(whole plant) Phasin, tithymalin, heliscopiol, butyric acid, euphorbine, phasine, saponin. ^{33,50}	Diuretic, febrifuge, vermifuge.
<i>Euphorbia hirta</i> L.	Da Fei Yang Cao (Asthma herb)	(stem) Camphol, leucocyanidol, quercitol, quercitrin, rhamnose, euphorbon, chlorophenolic acid, taraxerol, taraxerone, gallic acid. ⁵⁰	For asthma, bronchitis, externally for athlete's foot.
<i>Euphorbia humifusa</i> Willd.	Deng Qing Cao (Wolf's milk)	(aerial part) Camphol, euphorbon, gallic acid. ⁴⁸	Antibacterial, detoxicant against diphtheria toxin.
<i>Euphorbia kansui</i> Lion.	Qian Jin Zi, Gan Suei	(root) Alpha-euphol, tirucallol, alpha- euphorbol, kansuinine. ^{33,144} This herb is very toxic.	Diuretic, expectorant, for ascites, constipation, dysuria, hydrothorax.
<i>Euphorbia lathyris</i> L. <i>E. lucorum</i> Rupr. <i>E. resinifera</i> Berger <i>E. thymifolia</i> L.	Xu Sui Zi Da Ji Ru Zi Shu Xiao Fei Yang Cao (Caper spurge, petroleum plant)	(seed) Euphorbiasteroid, betulin, 7-hydroxylathyrol, lathyrol diacetate benzoate, lathyrol diacetate nicotinate, euphol, euphorbol, euphorbetin, esculetin, daphnetin. ^{33,53,144} This herb is very toxic.	Diuretic to remove edema, eliminate blood stasis and resolve masses, antitumor.
<i>Euryale ferox</i> Salisb.	Qian Shi (Water lily)	(seed) Protein, starch. ⁵³	Treat diarrhea, spontaneous emission, and leucorrhagia.
<i>Evodia lepta</i> (Spreng.) Merrill. <i>E. triphylla</i> DC	San Ya Ko	(root, leaf) Amino acids. ⁵⁵	For arthritis, chickenpox, fever, hemorrhoids, itch, infectious hepatitis.

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<i>Evodia rutaecarpa</i> (Juss.) Berth	Wu Zhu Yu (Evodia)	(fruit) Alkyl methyl quinolone alkaloids, evodiamine, limonin, evocarpine, rutaecarpine, N-methyl anthranilic acid, evodol, hydroxyevodiamine, N-methylanthranflamide, N,N-dimethyl-5-methoxytryptamine, dehydroevodiamine. ^{32,33,237}	Antiemetic, analgesic, lower blood pressure, antibacterial.
<i>Evonymus alatus</i> Regel <i>E. subtriflorus</i> Blume <i>E. thunbergianus</i> Blume	Wei Mao	(twig) ⁵⁰ No information is available in the literature.	For analgesic, emmenagogue, purgative in female disorders.
<i>Fagopyrum esculentum</i> Moench. <i>F. cymosum</i> (Trev.) Meisn. <i>F. sagittatum</i> Gilib.	Qiao Mai (Buckwheat)	(seed, leaf, stem) Rutin, quercetin, caffeic acid, rutin, orientin, homoorientin, vitexin, saponaretin, cyanidin, fagopyrin, flavanol, fagomine, alanine, leucoanthocyanin. Seeds contain amylase, linamarase, maltase, phosphatides, protease, quercitol, rhamnose, urease. ^{48,50,421,446,450}	For colic and diarrhea, stop cold sweats, tumor inhibition, treat lung cancer.
<i>Fagopyrum tataricum</i> (L.) Gaertn.	Ku Qiao Mai (India wheat)	(whole plant) Rutin, flavones. ⁴⁸	For stomachache, leg pain, a digestive.
<i>Ferula assa-foetida</i> L. <i>F. bungeana</i> Kitag.	A Wei (Asafetida)	(gum or resin) Vanillin, asarensinotannol, ferulic acid, farnesiferols. ³³	Anthelmintic, treat ascites, dysentery, malaria.
<i>Fibraurea recisa</i> Hance	Huang Teng	(stem) Palmatine, jatrorrhizine, fibramine, fibraminine, fibralactone, sterol. ³³	Antipyretic, detoxicant, treat tonsillitis and pharyngitis.

<i>Ficus awkeotsang</i> Makino	Ai Yu Zi	(root, leaf, stem) Resin, glucose, fructose, gum, protein, fat. ⁵⁵	Treat arthritis, joint discomfort.
<i>Ficus carica</i> L.	Wu Hua Go (Fig)	(leaf, fruit) Bergapain, cerotinic acid, ficusin, glutamine, papain, pepsin, psoralen, guaiaxulene, amyirin, lupeol, retin, octacosane, guaiacol, quercitin, rhamnase, sitosterol, tyrosine, urease. ^{50,55,502}	For stomachache, externally for swollen piles, corns, warts. Fruit is laxative, digestive, anthelmintic, hypolipidaemic, and hypotriglyceridaemic activities
<i>Ficus pumila</i> L. <i>F. microcarpa</i> L.	Bi Li Go Rong Shu (Creeping fig)	(whole plant) Latex. ⁵⁰	Carbuncle, dysentery, hematuria, piles, hernia, bladder inflammation.
<i>Firmiana simplex</i> (L.) W. F. Wight	Wu Tong (Chinese parasol tree)	(leaf, seed, bark, root) Betaine, choline, beta-amyirin, beta-amyirin acetate, rutin, lupenone, heutriacontane, octacosanol, beta-sitosterol. ³³	Detoxicant, smooth lung function, increase appetite.
<i>Flagellaria indica</i> L.	India Bian Teng	(leaf, fruit) Alkaloidal substances, cyanogetic glycosides, emilsin-like enzyme. ⁶⁰	Astringent, vulnerary, diuretic, treat pox.
<i>Foeniculum officinale</i> All. <i>F. vulgare</i> Mill.	Xiao Hui Xiang (Fennel)	(fruit) Anethol, d-fenchone, anisaldehyde, methylchavicol. ³³	Restore normal functioning of the stomach.
<i>Forsythia suspensa</i> (Thunb.) Vahl.	Lian Qiao (Forsythia)	(leaf, fruit, root) Phillyrin, rutin, taraxasteryl palmitate and acetate, bigelovin, dihydrobigelovin. ^{50,260}	Febrifuge, for cancer, carbuncle, chickenpox, antiphlogistic, diuretic, emmenagogue, antiemetic, laxative, antipyretic.

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<i>Fortunella crassifolia</i> Swingle <i>F. japonica</i> (Thunb.) Swin. <i>F. margarita</i> (Lour.) Swin.	Jin Gan Yuan Jin Gan Jin Ju (Kumquat)	(whole plant) Glucosides, galactose, essential oil, pentosane, vitamin C. ⁶⁰	Antiphlogistic, antivenous, carminative, deodorizing, stimulant.
<i>Fragaria indica</i> Andr.	She Mei (Mock strawberry)	See <i>Duchesnea indica</i>	
<i>Fraxinella dictamnus</i> Moench	Bai Xian Pi	See <i>Dictamnus albus</i>	
<i>Fraxinus bungeana</i> DC <i>F. chinensis</i> Roxb. <i>F. floribunda</i> Bunge. <i>F. obovata</i> Blume <i>F. ornus</i> L. var. <i>bungeana</i> Hance <i>F. rhynchophylla</i> Hance	Zhen Pi (Chinese ash)	(bark) Fraxin, aesculin. ³³ This herb is toxic.	Antibacterial, analgesic, anti- inflammatory.
<i>Fritillaria anheunensis</i> Chen et Yin <i>F. collicola</i> Hance <i>F. maximowiczii</i> Freyn <i>F. roylei</i> Hook <i>F. thunbergii</i> Miq. <i>F. ussuriensis</i> Maxim. <i>F. verticillata</i> Willd.	Bei Mu (Fritillaria)	(bulb) Fritilline, fritillarine, verticine, verticinine, peimine, peiminine, peimisine, peiniphine, peimidine, peimilidine, propeimin, puqedinone, isosteroidal alkaloids. ^{33,243,503}	Causes bronchodilatation and inhibition of mucosal secretions. Antitussive, stimulate uterine and intestinal contractions.
<i>Galium bungei</i> Stead. <i>G. spurium</i> L. <i>G. verum</i> L. var. <i>leiocarpum</i> Ledeb. <i>G. verum</i> L. var. <i>trachycarpum</i> DC	Si Ye Lu Zhu Yin Yin Peng Zi Cao (Bedstraw)	(rhizome) Alisarin, rubrierythrinic acid, purpurin. ⁶⁰	Treat rheumatism, jaundice, menstrual difficulties, epistaxis, hemorrhages.

<i>Ganoderma lucidum</i> (Polyporaceae)	Ling Zhi	(whole body) Ergosterol, fungal lysozyme, amino acids, proteinase, organic acids, polysaccharides, adenosine, triterpenoids. ^{33,41,403,404,407}	Improve immune system, reduce cholesterol, treat blood pressure, prevent blood clot, regulate blood circulation, antitumor, antiviral. Treat hepatitis, hyperlipemia, angina pectoris, chronic bronchitis, leucopenia.
<i>Gardenia angusta</i> (L.) Merrill. <i>G. jasminoides</i> Ellis.	Shan Zhi (Cape jasmine)	(fruit, flower, bark) Gardenin, alpha-crocetin, volatile oil, chlorogenin, glycosides, mannit. ⁶⁴	Emetic, stimulant, febrifuge, diuretic, hemostatic, antihemorrhagic, emmenagogue.
<i>Gardenia florida</i> L. <i>G. grandiflora</i> Sieb. et Zucc. <i>G. maruba</i> Sieb. <i>G. pictorum</i> Hassk. <i>G. radicans</i> Thunb.	Zhi or Zhi Zi (Gardenia)	(fruit) Gardenoside, shanzhiside, cardoside. ³³	Antipyretic, choleric, sedative, hypnotic, anticonvulsant, antibacterial, anthelmintic properties.
<i>Gastrodia elata</i> Blume <i>G. elata</i> Blume f. <i>pallens</i> (Kitag.) Tuyama	Tian Ma	(root) Vanillyl alcohol, vanilin, vitamin A, gastrodin. ³³	Anticonvulsive, sedative, analgesic effect.
<i>Gaultheria leucocarpa</i> f. var. <i>cumingiana</i> (Vidal) Sleumer	Bai Zhu Shu	(leaf) Methylsalicylate, salicylic acid. ⁶⁰	Treat rheumatism, an antiseptic.
<i>Gelidium amansii</i> (Lamx.)	Qiong Zhi	(isolated mucous substance) Agarose, agaropectin, taurine. ³³	A mild laxative in the treatment of chronic constipation.
<i>Gelsemium sempervirens</i> (L.) Ait. <i>G. elegans</i> Benth.	Gou Min (Jessamine)	(root, stem) Gelsemine, gelsemidine, koumine, sempervirine, kouminine, kouminicine, duminidine. This herb is highly toxic. ^{33,46,50}	For caked breast, perspiring feet, skin eruptions, wounds.

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<i>Gentiana algida</i> Pall. <i>G. barbata</i> Froel. <i>G. manshurica</i> Kitag. <i>G. olivieri</i> DC <i>G. scabra</i> Bunge. <i>G. squarrosa</i> Ledeb. <i>G. triflora</i> Pall.	Long Dan (Gentian)	(root) Gentiopicroin (or gentiopicroside), indoid compounds such as geniposide and gardenoside. Saponins, gentianine. ^{16,17,33}	For arthritis, cancer, carbuncle, cold, conjunctivitis, diarrhea, gastritis, neuralgia.
<i>Gentiana dahurica</i> Fisch. <i>G. lutea</i> L. <i>G. macrophylla</i> Pall.	Jue Chuang (Gentian)	(root) Gentianine, gentianidine, gentianol. ³³	Treat rheumatism and fever, antipyretic, anti-inflammatory, antihypersensitivity and antihistaminic effects.
<i>Geranium dahuricum</i> DC <i>G. eriostemon</i> Fisch. ex DC <i>G. eriostemon</i> Fisch. ex DC f. hypoleucum (Nakai) Y. C. Chu <i>G. eriostemon</i> Fisch. ex DC f. megalanthum (Nakai) Y. C. Chu <i>G. sibiricum</i> L. <i>G. wilfordi</i> Maxim. <i>G. wlassowianum</i> Fisch. ex Link	Lao Huan Cao (Geranium)	(aerial part) Kaempferitrin, gallic acid, quercetin, succinic acid, tannins. ^{48,50,65}	Astringent, for diarrhea, endometritis, nervous diseases, numbness of limbs, pains, rheumatism. It helps circulation and strengthens bones and tendons.
<i>Geum aleppicum</i> Jacquin <i>G. aleppicum</i> Jacquin f. glabricaule (Juzepczuk) Kitag.	Shui Yang Mei (Avens)	(whole plant) Flavones, fatty acids, eugenol, gein, geoside. ⁴⁸	Treat bleeding, bug bite, convulsive disorder, fevers, irritability, obstinate skin diseases.

<i>Ginkgo biloba</i> L.	Yin Xing (Ginkgo)	(leaf, seed kernel) Kaempterol-3-rhamnoglucoside, gibberellin, cytokinin, ginkgolic acid, ginkgol, bilobal, ginnol, rutin, ginkgolides, quercetin, quercitrin, ginkgetin, isoginketine, bilobetin, isorhamnetin, shikimic acid, D-glucaric acid, anacardic acid, sesquiterpene, diterpenes, beta-sterol. ^{33,48,422,450,510}	Antitussive, antiasthmatic, anodyne, treat coronary artery disease, angina pectoris, hypercholesterolemia, Parkinson's disease, inhibit the growth of human cancer cell lines.
<i>Glechoma hederacea</i> L. var. <i>grandis</i> (A. Gray) Kudo <i>G. longituba</i> (Nakai) Kuprijan.	Jin Qian Cao (Ground ivy)	(aerial part) l-pinocamphone, l-menthone, isomenthone, l-pulegone, alpha-pinene, beta-pinene, 1,8-cineol, isopinocamphone, limonene, menthol, alpha-terpineol, linalool, p-cymene. ⁴⁸	Febrifuge, anodyne, treat earache, fever, toothache, diuretic, decoagulant, arthritis.
<i>Gleditsia horrida</i> Willd. <i>G. sinensis</i> Lam. <i>G. xylocarpa</i> Hance	Zao Ci (Chinese honey locust)	(leaf, fruit, seed) Saponin, arabinon, gleditsin, fisetin, fustin. ⁵⁰	Anthelmintic, febrifuge, treat cough, dysentery, flatulence, rectal prolapse, stroke, throat numbness, tetanus, emetic.
<i>Glehnia littoralis</i> F. Schmidt et Miq.	Bei Za Seng (Beech silver-top)	(leaf, root) Stigmasterol, beta-sitosterol, imperatorin, psoralen, osthonol-7-o- β -gentiobioside, petroselenic acid, petroselinic acid, polyine, polysaccharides, falcandiol, anthocyanin, furanocoumarin. ^{53,84,477,478,479,480,383,384}	Anthelmintic, for chronic bronchitis, cough and hoarseness, antiproliferative activities, antimycobacterial, immunosuppressive activities.

Scientific Name	Common Chinese and (English) Name	Major Constituents and (sources)	Therapeutic Values*
<i>Glycine max</i> (L.) Merrill <i>G. soja</i> Sieb. & Zucc.	Da Dou Ye Da Dou (Soybean)	(seed) Protein, isoflavone derivatives, genisteine, daidzein, riboflavin, thiamine, niacin, pantothenic acid, choline. ^{33,67}	Phytoestrogenic, elevate the vasomotor system, prevent cancer, a potent inhibitor of protein tyrosine kinase.
<i>Glycosmis cochinchinensis</i> Pierre <i>G. pentaphylla</i> (Retz.) Correa.	Xiao Shan Ju	(leaf, root) Glycosmine, skimmianine, glycosminine, glycosine. ⁶⁶	Treat coughs, inflammation. An appetite enhancer.
<i>Glycyrrhiza pallidiflora</i> Maxim. <i>G. uralensis</i> Fisch. ex DC	Gan Cao (Licorice)	(outer cortex of root) Glycyrrhiza, triterpenoid saponin, flavonone glucoside, liquiritin, aglycone, liquiritigenin, chalcone glucose, isoliquiritin, aglycone, isoliquiritigenin, glycyrrhizic acid, beta-glycyrrhetinic acid. ^{1,33,355,356,510}	Anti-inflammatory, anticonvulsant, carminative, antidote, antitumor, antispasmodic, antiulcer.
<i>Gnaphalium affine</i> L. <i>G. arenarium</i> Thunb. <i>G. confusum</i> DC <i>G. javanum</i> DC <i>G. luteo-album</i> L. var. <i>multiceps</i> Hook <i>G. multiceps</i> Wall. <i>G. ramigerum</i> DC <i>G. tranzschelii</i> Kirpicznikov <i>G. uliginosum</i> L.	Shu Qu Cao (Cudweed)	(whole plant) Fat, resin, phytosterol, essential oils, carotene, vitamin B ₁ . ^{48,49,50,449}	Remedy for lung disease, antifebrile, antimalarial, reduce blood pressure and stomach and intestinal ulcers. Externally for wounds, against cancer.

<i>Gomphrena globosa</i> L.	Qian Ri Hong (Globe amaranth)	(flower) Saponins, betacyamines, gomphrenin, amaranthin, isoamaranthin. ³³	Treat chronic bronchitis, whooping cough.
<i>Gossypium herbaceum</i> L.	Mian Zi Soo or Mian Hua Gen (Cotton)	(root) Gossypol, hemigossypol, 6,6'-dimethoxylgossypol, aflatoxin B (in seed), methoxylhemigosipol, acetovanillone, hirsutrin (in leaf). ³³	Antitussive, treat bronchitis.
<i>Gynostemma pentaphyllum</i> (Thunb.) Makino	Joe Koo Lan	(root) Panaxatriol, panaxadiol, saponin, glypenosides, sterol. ^{33,34,349,350,351}	Regulating effect on lymphocyte transformation, protective effect against myocardial and cerebral ischemia, relax isochemic heart ventricles.
<i>Gynura bicolor</i> DC	Mu Er Cao (Velvet plant)	(whole plant) Flavonoids. ⁵⁴	Improve blood circulation, stop bleeding, a detoxicant, relieve swelling, cough with blood.
<i>Gynura japonica</i> Mak. <i>G. pinnatifida</i> Vanniot <i>G. segetum</i> Merr.	San Qi (Canton tusanchi)	(root, leaf) Saponins. ⁴⁹	Hemostat, furnculosis, hemorrhage, hemorhea. Exter- nally for bruises and wounds, insect bites, snakebites
<i>Haemanthus multiflorus</i> Mart. ex Willd.	Huo Qin Hua	(bulb) Haementhamine, haemanthidien. ⁵⁷ This herb is toxic.	Detoxicant, relieve swelling.
<i>Hedera rhombea</i> (Miq.) Bean <i>H. helix</i> L.	Chang Chun Ton	(leaf) Hederin, hederic acid, tannic acid, oleic acid. ⁵⁰	For cough, headache, diaphoretic, emmenagogue.

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<i>Hedychium coronarium</i> Koen.	Shan Ren (Ginger lily)	(flower, rhizome) Sesquiterpenes, phenols, aldehyde, ketone, 1,8-cineole, camphene, beta-pinene. ^{60,195}	Stimulant.
<i>Hedyotis corymbosa</i> (L.) Lamarck.	Shui Xian Cao	(seed) Borneol, bornyl acetate, l-camphor, linalool, nerolidol. ⁴⁹	Stomachic, mouthwash to relieve toothache, as a poultice to heal wounds, small sores.
<i>Hedyotis diffusa</i> Willd.	Bai Hua She Shi Chao	(leaf) Acyl flavonol di-glycoside, iridoid glucosides, anthraquinone, essential oils, p-vinylphenol, p-vinylguaiaicol, linalool. ^{50,202,203,204,205,206}	Immunopotential activity, treat tumours, antibacterial, antipyretic, detoxicant, diuretic, anticancer, externally applied as lotion.
<i>Hemerocallis flava</i> L.	Huang Hua Xuan Cao (Daylily)	(root) Protoveratrine, jervine, pseudojervine. ⁶⁰	Sternutative, anthelmintic, evacuant properties.
<i>Hepatica asiatica</i> Nakai	Xi Shin (Liver leaf)	(root) No information is available in the literature.	Anodyne, antifebrile, for angina and sunstroke, local application in smallpox ulcerations.

<i>Heracleum dissectum</i> Ledeb. <i>H. lanatum</i> Michx.	Niu Fang Feng	(root) Oxalic acids, hydroxycinnamic acids, hydroxybenzoic acids, coumarins, anthocyanidines, anthraquinones, phytosterines, carotenes, ether oils, monoterpene, sesquiterpene glucosides, hydrocyanic acids, xanthotoxin, coumarin, bergapten. ^{222,223,450}	Relieve headache, toothache, hematuria, gonorrhea, itching skin, swelling, remove corns from the feet.
<i>Hibiscus chinensis</i> DC <i>H. rhombifolius</i> Cav. <i>H. syriacus</i> L. <i>H. trionum</i> L.	Mu Jin Chuan Jin Pi (Shrubby althea)	(bark) Saponarin. ³³	Treat dysentery, diarrhea, jaundice, eczema, tinea, and scabies. Antiphlogistic.
<i>Hibiscus mutabilis</i> L.	Fu Rong Yie (Cotton rose)	(leaf, flower) Isoquercitrin, hyperoside, rutin, quercetin-4-glucoside, quercetin, quercimeritrin. ⁵⁰	Applied to swellings, burns, ulcers. Internally lung ailments, cough, dysuria, menorrhagia.
<i>Hibiscus rosa-sinensis</i> L. <i>H. rhombifolius</i> Cav.	Zhu Jin Chuan Jin Pi (Rose of China)	(leaf, flower) Protein, thiamine, riboflavin, niacin, cyanidin-3-sophoroside. ⁵⁰	Used as poultice on cancerous swellings and mumps.
<i>Hibiscus sabdariffa</i> L.	Luo Sheng Kui	(leaf, flower, stem bark) Saponin, saponaretin, vitexin. ⁵⁰	Stomachic, diuretic, expectorant, hematochezia, gas, vertigo.
<i>Hieracium umbellatum</i> L.	Shan Liu Jiu	(whole plant) Vitamin C, tannic acid. ⁴⁸	Relieve pain, bladder infection, diarrhea.
<i>Hierochloe odorata</i> (L.) Beauv.	Mao Xian	(root, flower head) Coumarin, coumarinic acid- β -glucoside. ⁴⁸	Relieve internal bleeding, kidney infection.

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<i>Hippeastrum hybridum</i> Hortorum	Shi Suan Hua	(bulb) Lycorine, lycoramine, tazettine, galanthamine. This herb is toxic.	Detoxicant, relieve swelling, induce vomiting.
<i>Hippophae rhamnoides</i> L.	Sha Ji (Sea buckthorn)	(seed, fruit, leaf) Cryptoxanthin, harman, harmol, hemin, isorhamnetin, lycopene, serotonin, isorhamnetin-3-mono-beta-D-glucoside, polyphenols, fatty acids flavonoid, essential oils, tannins, quercitin, vitamin C, vitamin E, beta-carotenoid. ^{50,450}	Improve resistance to infection, skin irritation and eruption, treat heart disease, oil for cosmetic use.
<i>Hordeum vulgare</i> L.	Mai Ya (Barley)	(germinated seed) Enzymes such as invertase, amylase, proteinase, vitamin B, vitamin C, maltose, dextrose. ³³	Improve digestion of carbohydrates and protein.
<i>Houttynia cordata</i> Thunb.	Yu Xing Cao (Fishwort)	(aerial part) Essential oil, houttuynium, decanoylacetalddehyde, quercitrin, isoquercitrin. ³³	Antibacterial, antiviral, analgesic, hemostatic, antitussive.
<i>Hovenia dulcis</i> Thunb.	Zhi Bei Zi (Japanese raisin tree)	(stem bark) Ebelin lactone, hovenosides, potassium malate, potassium nitrate. ^{27,50}	For rectal diseases, constipation, infantile convulsions, antispasmodic, febrifuge.
<i>Hoya carnosa</i> (L. F.) R. Brown	Yu Dei Mei	(leaf) Condurangin, hoyin, phytosterindigitonid. ⁵⁰	To hasten maturation of anthrax and furuncles.

<i>Humulus lupulus</i> L.	She Ma (Hop)	(female flower, unripe fruit) Humulone, resin, lupulone, choline asparaginer, lupulin, isohumulone, isovaleric acid. ^{33,450} This herb is toxic.	Inhibit the growth of tubercle bacillus and arrest tuberculosis.
<i>Humulus scandens</i> (Lour.) Merr.	Lu Cao	(aerial part) Humulone, lupulone, asparagine, choline, luteolin. ³³	Inhibit tubercle bacillus, antipyretic, diuretic.
<i>Hydnocarpus anthelmintica</i> Pierre <i>H. castaneus</i> H. F. & Th.	Da Feng Zi (Krabao oil tree, chaulmoogra)	(seed) Hydnocarpus oil, hydnocarpic acid, chaulmoogric acid, gorlic acid. ³³	Anthelmintic.
<i>Hydrangea macrophylla</i> (Thunb.) Seringe	Xiu Qiu (Sugar-leaf hydrangea, French hydrangea)	(leaf, flower, root) Febrifugin, hydrangeic acid, hydrangenol, rutin. ⁵⁰	Antimalarial, antitussive, diuretic.
<i>Hymenocallis speciosa</i> Salisbury	Shui Gui Jiao	(bulb) Lycorin. ⁶⁰ This herb is toxic.	As a vulnerary.
<i>Hyoscyamus bohemicus</i> F. W. Schmidt <i>H. niger</i> L.	Liang Shi (Henbane)	(root, leaf) Alkaloid, hyoscyamine, hyoscine, scopolomine, hyoscypierin, choline, mucilage, albumin. ^{60,144,450} This herb is toxic.	Antispasmodic activity.
<i>Hypericum attenuatum</i> Choisy <i>H. ascyron</i> L. <i>H. japonicum</i> Thunb. <i>H. perforatum</i> L. <i>H. sumpsonii</i> Hance	Jin Si Tao or Di Er Cao Guan Ye Lean Qiao Tian Bao Cao (St. John's wort)	(whole plant) Quercetin, quercitrin, isoquercitrin, sarolactone, hypericin, usigtoercin, protohypericin, kaempferol. ^{33,53,265,450}	Antipyretic, antibacterial, detoxicant, treat acute icteric hepatitis, lower blood pressure, dysmenorrhea, gonorrhoea, skin ailments.

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<i>Hypericum triquetrifolium</i> Turra. <i>H. chinensis</i> L.	Jin Ci Tau (St. John's wort)	(whole plant) Hypericin, pseudohypericin, hyperin. ³³	Antidepressant, anti-HIV, anti-tumor.
<i>Hyperzia serrata</i> (Thunb.) Trev.	Shi Shan	(root) Huperzine A, isovanilhyperzine A. ³³	Active cognition enhancer, treat senile dementia including Alzheimer's disease.
<i>Hyssopus ocyimifolius</i> Lam.	Xiang Xu	See <i>Elsholtzia cristata</i>	
<i>Ilex chinensis</i> Sims	Shi Ji Qing (Wintergreen holly)	(leaf) Protocatechuic acid, protocatechuic aldehyde, ursolic acid, tannic acid. ³³	Treat angina pectoris, thrombophlebitis, extremity ulceration.
<i>Ilex pubescens</i> Hook & Am.	Mao Dong Qing (Holly)	(leaf, root) Flavone, ursolic acid, scopoletin, 3,4-dihydroxyacetophenone, hydroquinone, vomifliol. ³³	Treat angina pectoris, acute myocardial infarction, central angiospastic retinitis, cerebral thrombosis, thrombophlebitis.
<i>Illicium verum</i> Hook f.	Ba Jiao Hui Xiang (Star anise)	(fruit) Anethol, anisaldehyde, safrole, anisic ketone. ³³	Capable of warming the viscera and expelling cold.
<i>Illicium lanacedatum</i> A. S. Smith	Hong Hui Xiang Gen (Japanese star anise)	(fruit) Anisatin, neoanisatin, shikimic acid, pseudoanisatin. ³³ This herb is toxic.	
<i>Impatiens balsamina</i> L. <i>I. noli-tangere</i> L. <i>I. textori</i> Miq.	Tou Gu Cao or Feng Xian Hua (Garden balsam)	(whole plant) Gentisic acid, ferulic acid, p-coumaric acid, sinapic acid, caffeic acid, scopoletin, lawsone. ^{33,144} This herb is toxic.	Treat arthritis, relieve pain.

<i>Imperata arundinaceae</i> Cyrill. <i>I. cylindrica</i> Beauv.	Bai Mao (Thatch grass)	(root) Fernenol, arundoin, arborinol, arborinone, glutinol, cylindrin, simiareno ³³	Diuretic, hemostatic, antibacterial.
<i>Inula britannica</i> L. <i>I. japonica</i> Thunb. <i>I. linariaefolia</i> Turcz. <i>I. linariaefolia</i> Turcz. f. simplex Kom. <i>I. salsoloides</i> (Turcz.) Ostenfeld	Xuan Fu Hua (Elecampane)	(aerial part, including flower head) Inusterol A, taraxasterol, inusterol B, inulicin, flavone, caffeic acid, chlorogenic acid, isoquercitrin, quercetin, taraxasteryl palmitate, bigelovin, dihydrobigelovin. ^{48,50,260}	Discutient, vulnerary, anti- emetic, carminative, diuretic, deobstruent, treat ascites, bronchitis, cancer, chest congestion.
<i>Iphigenia indica</i> Bak. (Syn. <i>Tulipa edulis</i>)	Shan Ci Kodfghvb	(aerial part) Colchicine, colchicine amide, N-formyl-N-deacetylcolchine, cornigerine, P-lumicolchicine. ⁵⁰	Antitumor activity against hepatoma, lymphosarcoma.
<i>Ipomoea barbata</i> Both. <i>I. caerulea</i> Koeh. <i>I. hederacea</i> Jacq. <i>I. triloba</i> Thunb	Qian Niu (Sweet potato)	See <i>Pharbitis hederacea</i>	
<i>Ipomoea cairica</i> (L.) Sweet	Wu Zhao Jin Long (Cairo morning glory)	(flower) Muricatin A, beta-sitosterol. ⁵⁰	Purgative.
<i>Iris aqyatuca</i> Forskal <i>I. buatatas</i> (L.) Lamarck. <i>I. dichotoma</i> Pallas	Rong Cai Gan Su She Gan (Iris)	(root, whole plant) Tectoridin, iridin, flavone. ⁴⁸	Treat lung diseases, cough, pneumonia, uneasy breathing.
<i>Iris lactea</i> Pall. subsp. chinensis (Fisch.) Kitag.	Wu Gan	(seed, flower, leaf, root) Iridin, irigenin, irisflorentin. ⁶⁰	Astringent, diuretic, hemostatic, remedy for hemorrhage, postpartum difficulties.

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<i>Iris pallasii</i> Fisch.	Ma Lan Zi (North China iris)	(seed) Irisquinone. ³³	Treat cancer, hepatoma, lymphatic sarcoma.
<i>Isatis chinensis</i> (Thunb.) Nakai <i>I. chinensis</i> (Thunb.) Nakai var. <i>graminifolia</i> (Ledeb.) H. C. Fu <i>I. tinctoria</i> L.	Ban Lan Gen	(leaf, root) Quercetin, kaempferol, stachyose, manneotetrose, lupeose, cicerose, isatan, indoxyl-5-ketogluconate. ⁵⁰	Antiviral, antibacterial, increase blood flow, improve microcirculation, lower blood pressure.
<i>Isatis indigotica</i> Fortune ex Lindley <i>I. oblongata</i> DC	Da Qing	(leaf) Indican, meoglucobrassicin, isatan B, indigo, glucobrassicin. ³³	Antibacterial, antipyretic, anti-inflammatory, choloretic.
<i>Jasminum mesnyi</i> Hance <i>J. nudiflorum</i> Lindley	Ying Chun Hua (Jasmine)	(leaf) Syringin, jasmiflorin, jasmipierin, mannose, tannins. ⁶⁰	Diaphoretic.
<i>Jasminum samba</i> (L.) Aiton	Mo Li Hua (Arabian jasmine)	(flower, root) Formic acid, benzoic acid, acetic acid, anthranil acid, sesquiterpene, sesquijasmine. ⁶⁰ This herb (root) is toxic.	Sedative, anesthetic, vulnerary properties. For congestive headache, lactifuge.
<i>Jatropha gossypifolia</i> L. var. <i>delgans</i> Muel. <i>J. curcas</i> L.	Hong Ma Feng Shu (Sweet cassava)	(seed) Phytotoxin, curcin, curcasin, arachidic, linoleic acid, myristic acid, oleic acid, palmitic acid, stearic acid. ⁵⁰ The herb (seed) is toxic.	Seed oil emetic, laxative, purgative, treat skin ailments.

<i>Jatropha podagrica</i> Hooker	San Hu You Tong	(stem bark) Tetramethylpyrazine, steroids, n-hexacosane, beta-amirine, lupeol palmitate, beta-sitosterol, rutin, flavonoids, quercetin, apigenin, vitexin, isovitexin. ^{57,207,208} This herb is toxic.	Detoxicant, hypotensive, neuromuscular and cardiovascular actions, antibacterial, relieve swelling, pain, externally treat snakebite, infection.
<i>Juglans mandshurica</i> Maxim. <i>J. regia</i> L.	Hu Tao Ren (English walnut)	(seed) Alpha-hydrojuglone-4- β -D-glucoside, jugone, juglanin. ³³	Nourish and invigorate the lungs and kidneys.
<i>Juncus communis</i> Mey.	Den Xin (Bulrush)	(whole plant) Arabinose, xylose. ⁶⁸	Antilithic, pectoral, discutient, refrigerant, diuretic, depurative, sedative.
<i>Juncus effusus</i> L.	Deng Xin Cao (Common rush)	(whole plant) Tripeptide, r-glutamyl-valyl-glutamic acid, apigenin, juglandic acid, juglonone, barium, luteolin-7-glucoside, luteolinidin, oxalic acid, arsenic, vitamins. ^{48,450}	Diuretic, sexually transmitted diseases, anti-inflammation.
<i>Juniperus rigida</i> Sieb. et Zucc. <i>J. rigida</i> Sieb. et Zucc. f. <i>modesta</i> (Nakai) Y. C. Chu	Tu Soon (Juniper)	(fruit) Alpha-pinene, myrcene, carene, limonene, p-cymene, beta-elemene, caryophyllene, humulene, borneol, r-cadinene, terpinene, citronellol, anethole. ⁴⁸	Hemorrhage, treat hemoptysis, inflammation, kidney infection, arthritis joint infection.
<i>Justicia gendarussa</i> L. <i>J. procumbens</i> L.	Qin Jiu	See <i>Gentiana macrophylla</i>	
<i>Kadsura japonica</i> (L.) Dunal	Nan Wu Wei Zi (Kadsura)	(vine) Kadsuric acid, kadsurin, kadsurarin A, germacrene. ^{33,227}	Against hepatitis B. Relieve pain, a detoxicant, improve blood circulation, relieve arm and leg numb feelings.

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<i>Kaempferia galanga</i> L.	Shan Na (Galanga)	(rhizome) Borneol, camphor, cineol, ethyl alcohol. ⁴⁹	Stomachic, carminative, stimulant.
<i>Lactuca raddeana</i> Maxim. <i>L. indica</i> L. <i>L. sativa</i> L.	Shan Wo Ju (Lettuce)	(seed) Pectic compound, oxalic acid, malic acid, citric acid, ceryl alcohol, ergosterol, vitamin E. ⁵⁰	Anodyne, lactagogue, for genital swelling, hemorrhoids, lumbago.
<i>Laggera alata</i> (D. Don) Schultz-Bip ex Oliver	Lu Er Jin	(whole plant) Flavonoid glycoside, phenols, amino acid, essential oil. ⁵⁶	Detoxicant, relieve swelling, treat fever, cough, hepatitis.
<i>Laminaria angusta</i> Kjellim. <i>L. cichorioides</i> Miyabe. <i>L. japonica</i> Aresch. <i>L. longipedalis</i> Okam. <i>L. religiosa</i> Miyabe.	Kun Bu or Hai Dai	(thallus) Iodine, potassium, calcium, amino acids, laminarin, laminine, algin. ³³	Improve thyroid function, correct the malignant vicious cycle effect of iodine deficiency, lower blood pressure.
<i>Lappa communis</i> Coss et Germ. <i>L. edulis</i> Sieb. <i>L. major</i> Gaerth. <i>L. minor</i> DC (Syn. <i>Arctium lappa</i>)	Niu Bang, Zong Shi	(seed, root) Seed: arctin, arctigenin, gobosterin, essential oil, fatty oil. Root: Inulin, lappine, lappatin, resin, essential oil, tannins. ⁴⁹	Diuretic, antipyretic, expectorant, antiphlogistic in throat infections, pneumonia, scarlet fever, measles, smallpox, syphilis.
<i>Lawsonia inermis</i> L.	Zhi Jia Hua (Henna)	(flower) Alpha-ionone, beta-ionone, gallic acid, lawsone. ⁵⁰	Antibiotic, antitumor, anthelmintic, astringent, bactericidal, fungicidal, sedative.

<i>Ledebouriella divaricata</i> Hiroe.	Fang Feng	(root) Essential oils, alcohol derivatives, organic acids. ³³	Antipyretic, analgesic, antibacterial, treat migraine headache, common cold and rheumatoid arthritis.
<i>Ledum palustre</i> L. subsp. <i>decumbens</i> (Aiton) Hulten	Tu Xian	(leaf, shoot) Alpha-pinene, camphene, sabinene, myrcene, alpha-phellandrene, beta-pinene, limonene, quinene, isothujene, ascaridol, arbutin ericolin. ⁴⁸	Treat cough, asthma, lower blood pressure, antifungal.
<i>Lemmaphyllum microphyllum</i> Presl.	Jing Mian Cao	(whole plant) Vitamins, luteolin-7- β -D-glucopyranoside, flavonoids, d-apiose, protein, resin. ⁴⁸	A poultice for animal bites, itchiness, a lotion for smallpox, relieve headache.
<i>Lemna minor</i> L. <i>L. perpusilla</i> Torrey	Qing Ping (Duckweed)	(aerial part) Luteolin-7-beta-D-glucopyranoside. ⁵⁰	For circulation, measles, swollen feet, depurative, diuretic, soporific.
<i>Leonurus heterophyllum</i> Sweet <i>L. japonicus</i> Houttuyn. <i>L. macranthus</i> Maxim. <i>L. mongolicus</i> V. Kreczet. et Kupr. <i>L. pseudo-macranthus</i> Kitag.	Yi Mu Cao (Motherwort)	(aerial part) Leonurine, stachydrine, vitamin A, leonaridine, leonurinine, fatty oils. ³³	Stimulates uterine contractions, respiratory system, proliferation of T cells, skeletal muscles.
<i>Leonurus sibiricus</i> L. <i>L. sibiricus</i> L. f. <i>albiflorus</i> (Nakai et Kitag.) G. Y. Wu	Chung Way Bai Hua Yi Mu Cao (Siberian motherwort)	(seed) Essential oil, leonurine. ⁴⁹	Emmenagogue, diuretic, vasodilator.
<i>Lepidium apetalum</i> Willd. <i>L. virginicum</i> L.	Do Xing Cao Bei Mei Do Xing Cao	(seed) Isothiocyanates. ⁵⁰	Antibacterial, cardi tonic.

Table 1 Major Constituents and Therapeutic Values of Chinese Medicinal Herbs (continued)			
Scientific Name	Common Chinese and (English) Name	Major Constituents and (sources)	Therapeutic Values*
<i>Lespedeza cuneata</i> G. Don	Ye Guan Men (Perennial lespedeza)	(whole plant) Beta-sitosterol, pinitol, flavonoid. ³³	Antitussive, antiasthmatic, antiphlogistic, antibacterial.
<i>Leucaena leucocephala</i> (Lam.) De Wit	Yin He Huan	(leaf, seed) Leucanol, leucaenine, phenolic compounds, condensed tannins. ^{60,228} This herb is toxic.	Anthelmintic, for diabetes, an emollient, emmenagogue.
<i>Ligusticum chuanziang</i> Hort.	Chuan Xiang	(rhizome) Tetramethylpyrazine, perlolyrine, leucylphenylalanine anhydride, cnidilide, neocnidilide, ligustilide, acetylsalicylic acid, phthalide, benzoquinone. ^{33,226,419,420}	Promote blood flow, remove blood stasis and relieve pain.
<i>Ligusticum jeholense</i> (Nakai et Kitag.) Nakai et Kitag. <i>L. pyrenacum</i> Couan. <i>L. sinense</i> Oliv. <i>L. tenuissimum</i> (Nakai) Kitag.	Gao Ben	(root) Nothosmyrnlol, coumarin, chromone, polyacetylene. ^{33,259}	Induce diaphoresis, for gout, an anodyne, emmenagogue, sedative.
<i>Ligustrum lucidum</i> Mill. <i>L. japonicum</i> Thunb.	Nu Zhen Zi (Wax tree)	(fruit) Nuzhenide, oleanolic acid, ursolic acid. ^{33,445}	Increase leukocyte count, a cardiac tonic, diuretic, treat urological tumors.

<p><i>Lilium brownii</i> F. E. Brown var. <i>viridulum</i> Baker <i>L. concolor</i> Salisb. var. <i>buschianum</i> (Ledeb.) Baker <i>L. concolor</i> Salisb. var. <i>partheneion</i> (Sieb. & De Vries) Baker <i>L. dauricum</i> Ker-Gawler <i>L. distichum</i> Nakai ex Kamibayashi <i>L. japonicum</i> Thunb. <i>L. lancifolium</i> Thunb. <i>L. pumilum</i> DC</p>	Bai He (Lily, Star lily)	(bulb) Protein, colchicine. ⁴⁹	Relieve coughing, ease anxiety, improve digestion, treat anxiety, apprehension, carminative, sedative, gynecologic disorders.
<p><i>Linaria vulgaris</i> Miller subsp. <i>sinensis</i> (Bebeaux) Hong</p>	Liu Chun Yu	(aerial part) Peganine, linarin, pectolarin, neolarin, flavones, pectolarigenin, linacrine, linarezine, phytosterine. ⁴⁸	Diuretic, treat headache, dizziness, heart condition. Externally treat burns, skin diseases.
<p><i>Lindera akoensis</i> Hayata</p>	Nei Don Zi	(leaf) ⁵⁵ No information is available in the literature.	Treat wounds.
<p><i>Lindera communis</i> Hemsley</p>	Xian Ye Shu	(fruit) Fatty acids. ⁵⁵	Relieve swelling, pain, bleeding, treat infection.
<p><i>Lindera glauca</i> (Sieb. et Zucc.) Blume</p>	Bai Ye Diao Zhang	(fruit) Essential oils, cineole, limonene, caryophyllene, bornylacetate, fatty acids, camphene, beta-pinene. ⁵⁵	Carminative properties, treat arthritis joint pain.
<p><i>Lindera megaphylla</i> Hemsley</p>	Da Xian Ye Shu	(root, seed) Essential oils. ⁵⁵	Promote sweating, treat wounds.

Scientific Name	Common Chinese and (English) Name	Major Constituents and (sources)	Therapeutic Values*
<i>Lindera obtusiloba</i> Blume f. <i>villosa</i> (Blume) Kitag.	Nei Don Zi	(bark) Campesterol, linderol, capric acid, lauric acid, myristic acid, linderic acid, dodecen-4-oic acid, oleic acid, tetradecen-4-oic acid, tsudzuic acid, linoleic acid. ⁴⁸	Reduce swelling, pain.
<i>Lindera strychnifolia</i> Vill.	Wu Yao	(fruit, root, seed) Essential oils, lindestrene, linderane, linderoxide, linderalactone, isolinderalactone, isolinderoxide, lindestreolide, neolinderalactone, isofuranogermacrene, linerene. ³³	Improve circulation, relieve pain, abdominal distention, fever.
<i>Linum stelleroides</i> Planch. <i>L. usitatissimum</i> L.	Ya Ma (Flax)	(whole plant) Fatty acids, geranylgeraniol, cholesterol, campesterol, orientin, stigmaterol, avenasterol, vitexin cycloartenol, eikosanol, leucine, valine, linamarin, lotaustralin. ⁴⁸	For diarrhea, sensitive skin, itchiness, loss of hair.
<i>Liquidambar acerifolia</i> Max. <i>L. formosana</i> Hance <i>L. maximowiczii</i> Miq.	Fon Xian Chi (Liquid amber)	(bark, leaf, root) Balsam (resin), cinnamic alcohol, cinnamic acid, 1-borneol, camphene, dipentane, terpene. ^{60,69}	Analogous, externally as antiphlogistic and astringent in skin diseases, antihemorrhagic.
<i>Liriope graminifolia</i> Bak. <i>L. platyphylla</i> Wang & Tang <i>L. spicata</i> Lour.	Mai Men Dong	(root) Mucilage. ⁴⁹ This herb is used to produce Ophiopogon. ⁶⁰	Antitussive, expectorant, emollient.

<i>Litchi chinensis</i> Sonn.	Li Chi (Lychee)	(leaf, fruit, seed) Citric acid, vitamins A, B, C, sugar, amino acids, lysine, leucine, valine, alanine, glutamic acid, serine, proline, asparagic acid, theronine, arginine, lysine, beta-phenethyl alcohol. ^{49,50,70}	Remedy for gland enlargement, tumors, treat bites of poisonous animals. Astringent, analgesic in gastralgia, colic, orchitis.
<i>Lithospermum erythrorhizon</i> Sieb. et Zucc. <i>L. officinalis</i> var. <i>erythrorhizon</i> Sieb. et Zucc.	Zhu Cao (Groomwell)	(root) Quinonoid, alkannan, acetylshikonin, shikonin, lithospermin, dihydroshikonin, cycloshikonin. ^{1,69}	Ointment to treats wounds and burns, antitumor, antipyretic, regulating blood circulation, diuretic, purgative, remedy for smallpox.
<i>Litsea cubeba</i> Lour.	Shan Cong Zi (Cubebs)	(fruit) Citral, linalool, laurotetanine. ³³	Treat chronic bronchitis and bronchial asthma, protect hypersensitization shock.
<i>Livistona chinensis</i> (Jacq.) R. Br. ex Mart.	Kui Shu Zi	(shoot, leaf, seed) Triglyceride. ⁵⁴	Anticancer, treat tuberculosis, regulating menses, externally for bites or stings.
<i>Lobelia chinensis</i> L. <i>L. pyramidalis</i> Wallich. <i>L. sessilifolia</i> Lambert	Ban Bian Lian Sha Gen Cai (Lobelia)	(whole plant) Lobeline, lobelanine, lobelanidine, isolobelamine. (Lobeline has been approved by the FDA to curb the tobacco habit). ^{33,50,71} This herb may be toxic.	Diuretic, increase respiration via stimulation of carotid chemoreceptors. Treat snakebites, insecticide, reduce swelling, depurative, antirheumatic, antisiphilitic.

Scientific Name	Common Chinese and (English) Name	Major Constituents and (sources)	Therapeutic Values*
<i>Lonicera acuminata</i> Wallich <i>L. apodonta</i> Ohwi <i>L. brachypoda</i> DC <i>L. chinensis</i> Wats. <i>L. confusa</i> Miq. <i>L. flexuosa</i> Thunb. <i>L. hypoglauca</i> Miq. <i>L. japonica</i> Thunb. <i>L. japonica</i> var. <i>chinensis</i> Bak. <i>L. maackii</i> (Rupr.) Maxim.	Rui Ye Ren Dong Duan Geng Ren Dong Jin Yin Hua Ren Dong (Honeysuckle)	(flower bud, whole plant) Luteolin, inositol, loganin, lonicerin, syringin, saponin, tannins, chlorogenic acid, luteolin-7-rhamnoglucoside. ^{33,48,55}	Antibacterial, cytoprotective, antilipemic, antiphlogistic.
<i>Lophanthus chinensis</i> Walp. <i>L. rugosus</i> Fisch. et Mey. (Syn. <i>Agastache rugosa</i>)	Huo Xiang	(leaf) Essential oils. ⁴⁹	Carminative, stomachic.
<i>Lophatherum gracile</i> Brongn.	Dan Zhu Ye	(aerial part) Arundoin, cylindrin, friedelin. ³³	Antipyretic, diuretic, antibacterial.
<i>Loranthus parasiticus</i> <i>L. yadoriki</i> Sieb. et Zucc.	Song Ji Shang (Mistletoe)	(leaf, stem) Saponins including avicularin, quercetin. ⁴⁰	Treat angina pectoris, cardiac arrhythmia, hypertension. Ointment to treat frostbite.
<i>Loropetalum chinense</i> (R. Br.) D. Oliver	Ji Mu (Strap flower)	(plant) Flavone, quercitrin, isoquercitrin. ³³	Antipyretic, a detoxicant, hemostatic, treat angina pectoris, bronchitis, bleeding, alimentary indigestion.

<i>Luffa aegyptiaca</i> Mill. <i>L. cylindrica</i> Roem. <i>L. faetida</i> Sieb. et Zucc. <i>L. petola</i> Ser.	Se Gua (Luffa sponge)	(fruit fibers) Xylose, mannosan, galactan, saponins, acetic acid, valeric acid, pinenes, limonene, cineole, sterol, menthone, linalool, bourbonene, caryophyllene, menthol, carvone, vitamins A, B, C. ^{49,50,351}	Hemostatic, analgesic in enterorrhagia, dysentery, metrorrhagia, orchitis, hemorrhoids.
<i>Lupinus luteus</i> L.	Yu Shan Dou	(whole plant) Lupinine, lupinidin, rechts-lupinine, d-lupaine. ⁵⁶ This herb is toxic.	Diuretic, insecticidal, treat fever, respiratory difficulties.
<i>Lycium barbarum</i> L. <i>L. megistocarpum</i> Dun. <i>L. ovatum</i> Loisel. <i>L. trewianum</i> G. Don <i>L. turbinatum</i> Loisel.	Gou Gi, Gou Qi Zi (Ningxia wolfberry)	(fruit) Betaine, zeaxanthin, physalein, carotenes, nicotinic acid, vitamin C. ^{33,447}	Increase leukocyte count, anti- cancer, increase immunity, stimulation of tissue development.
<i>Lycium chinense</i> Miller	Di Gu Pi (Matrimony vine)	(root bark) Cinnamic acid, betaine, peptides, acyclic diterpene glycosides, polysaccharide, kukoamines. ³³	Lower blood sugar and blood pressure, antipyretic, stimulate uterine contraction, antibacterial.
<i>Lycopersicon esculentum</i> L.	Fan Qie (Tomato)	(root, leaf) Protein, vitamin A, thiamine, nicotinic acid, riboflavin. ⁵⁰	Relieve toothache, insecticide, laxative.
<i>Lycopodium annotinum</i> L. <i>L. cernuum</i> L. <i>L. compianatum</i> L.	Shan Ye Man Shi Song Jin Gu Cao (Devil's powder) Di Shua Zi (Ground cedar)	(whole plant) Clavatine, lycopodine, complanatine, alpha-obscurene, serratenediol, tohogenol. ⁴⁸	Relieve numb feeling, arthritis pain, sexually transmitted disease.

Scientific Name	Common Chinese and (English) Name	Major Constituents and (sources)	Therapeutic Values*
<i>Lycopodium clavatum</i> L. var. nipponicum Nakai <i>L. obscurum</i> L. <i>L. selago</i> L. <i>L. serratum</i> Thunb.	Shen Jin Cao (Running pine, staghorn clubmoss, princess pine)	(whole plant) Lycopodine, lycodoline, clavatine, fawcetine, clavoloninine, azelaic acid, clavatoxine, fawcetimine, deacetyl fawcetine, nicotine, vanillic acid, ferulic acid, alpha-onocerin, lycoclavanol, lycoclavanin, lycopodine. ^{33,48}	Relieve the rigidity of muscles and joints, treat arthritis and dysmenorrhea.
<i>Lycopus fargesii</i> Herter <i>L. lucidus</i> Turcz. <i>L. lucidus</i> Turcz. f. <i>hirtus</i> (Regel) Kitag. <i>L. maackianus</i> (Maxim.) Makino <i>L. parviflorus</i> Maxim. <i>L. ramosissimus</i> (Makino) Makino var. <i>japonicus</i> (Matsum et Kudo) Kitam. <i>L. veitchii</i> Christ.	Shan Ye Shi Song Shi Song Yu Shan Shi Song (Shining water horehound)	(aerial part) Resin, lycopose, raffinose, glucose, stachyose. ⁴⁸	For abdominal distention, abscesses, congestive edema, blood extravasation.
<i>Lycoris aura</i> (L'Her.) Herb. <i>L. longituba</i> Y. Han et Fan <i>L. radiata</i> (L'Her.) Herb.	Shi Suan (Amaryllis)	(rhizome) Galanthamine, lycoremine, lycorine, lycoramine, lycorenine, tazettine, pseudolycorine, dihydrolycorine, homolycorine, lycoricidine, lycoricidinol. ³³	As a cholinesterase inhibitor, lower blood pressure, stimulate secretion from the pituitary gland, increase natriuretic hormone secretion.
<i>Lygodium japonicum</i> Swartz. <i>L. flexuosum</i> (L.) Sw.	Hai Jin Sha Teng (Climbing fern)	(leaf with or without sporangia) Fatty oil. ⁴⁹	Diuretic, antirheumatic against venereal diseases, disorder of the urinary tract.

<i>Lyonia ovalifolia</i> (Wall.) Drude.	Nan Zhu	(leaf, fruit) Andromedotoxin, lyoniols. ⁶⁰ This herb is highly toxic.	A tonic.
<i>Lysimachia barystachys</i> Bunge. <i>L. christinae</i> Hance <i>L. clethroides</i> Duby <i>L. davurica</i> Ledeb. <i>L. davurica</i> Ledeb. f. <i>latifolia</i> Korsh.	Jin Qian Chao (Loosestrife)	(whole plant) Essential oils, l-pinocamphone, l-menthone, l-pinene, limonene, 1,8-cineol, p-cymene. ³³	Diuretic, a choleric agent, antibacterial.
<i>Lysionotus pauciflorus</i> D. Don	Shi Diao Lan	(aerial part) Organic acids, flavones, nevadersin. ³³	Antibacterial, antitussive, lower blood pressure.
<i>Lythrum salicaria</i> L. <i>L. salicaria</i> L. var. <i>glabrum</i> Ledeb.	Qian Qu Cai (Purple loosestrife)	(aerial part) Tannins, salicarin, chlorogenic acid, cyanidin-3-monogalactoside, ellagic acid, malvidin, malvin, orientin, vitexin. ^{50,72}	Astringent, styptic, treat bacillary dysentery.
<i>Machilus thunbergii</i> Sieb. et Zucc.	Hong Nan	(bark, root) dl-N-noramepavine, quercetin, N-norarmepavine, reticuline, lignoceric acid, dl-catechol. ⁵⁷	Remove eczema, treat spleen and stomach disease, asthma.
<i>Macleaya cordata</i> (Willd.) R. Br.	Bo Lou Hui	(whole plant including root, fruit) Sanguinarine, oxysanguinarine, ethoxysanguinarine, protopine, alpha-allocryptopine, bocconine, chelerythrine, coptisine, herberinecorysamine, bocconoline, ethoxychelerythrine, chelilutine, chelirubine. ³³ This herb is toxic.	Antiplasmodial, treat vaginal trichomonas, antibacterial.

Scientific Name	Common Chinese and (English) Name	Major Constituents and (sources)	Therapeutic Values*
<i>Macrocarpium officinalis</i> (Sieb. et Zucc.) Nakai	Shan Zhu Yu	(fruit) Tannic acid, resin, tartaric acid, cornin, gallic acid, malic acid. ⁶⁰	A tonic, astringent, diuretic, antilithic, anthelmintic, febrifuge.
<i>Maesa japonica</i> (Thunb.) Moritzi	Du Jing Sha	(aerial part) Maesaquinone. ⁵⁰	Emetic, febrifuge, resolvent, styptic, for fever, malaria.
<i>Maesa perlarius</i> (Lour.) Merrill.	Sha Gui Hua	(leaf, root) Alkaloids, quinonic substance. ⁷³	Crushed leaves are bound over broken bones or treat measles. Root is diuretic, stomachic.
<i>Maesa tenera</i> Mez.	Taiwan Sha Gui Hua	(whole plant) Maesaquinone. ⁵⁸	Stomachache, hepatitis, lower cholesterol level, treat cold, headache.
<i>Magnolia biloba</i> Cheng <i>M. denudata</i> Desr. <i>M. discolor</i> Vent. <i>M. liliflora</i> Desr. <i>M. purpurea</i> Curt.	Xin Yi, Mu Lan (Red magnolia)	(flower bud, leaf) Flower: eugenol, safrole, citrol, anethol. Leaf: salicifoline, citral, magnocurarine. ³³ Essential oils, safrole, anethole, estragole, cineol, eugenol. ⁴⁹	Relieve nasal congestion, sinusitis, rhinitis, coryza, headache, vertigo.
<i>Magnolia coco</i> (Lour.) DC <i>M. fortunei</i> (Lindl.) Fedde	Ye He Hua Gong Lao Mu	(bud, flower, stalk) Alkaloid. ⁷⁴	Febrifuge, stimulant, tonic, treat chronic rheumatism.
<i>Magnolia grandiflora</i> L.	Yang Yu Lan	(bark, flower bud) magnocurarine, salicifoline, fatty acids, volatile oil. ⁵⁶	A tonic, treat malaria, high blood pressure, headache.

<i>Magnolia hypoleuca</i> Diels. <i>M. officinalis</i> Rehd. et Wils. <i>M. japonica</i> (Thunb.) DC	Hou Po Huang Bai Mu (Magnolia)	(bark) Alkaloids, magnocurarine, magnoflorine, beta-eudesmol, neo-lignans, magnolol, konokiol, liriodenine, cryptomeridiol. ^{6,33} This herb may cause kidney failure. ³⁹² <i>Magnolia officinalis</i> bark is toxic.	Central nervous system depressant action, sedative, anticonvulsant, muscle relaxation.
<i>Mahonia japonica</i> DC	Gou Gu	(leaf, root, stem, seed) Berberine, jatrorrhizine, palmatine. ^{97,255}	Antipyretic, backache, cough, dysentery, fever.
<i>Mallotus japonicus</i> (Thunb.) Muell.	Ye Wu Tong	(stem, leaf) Resin, tannins, alkaloids. ⁶⁰	Treat lumbar pain, stomachache, crushed leaves are applied to tumors and swellings.
<i>Mallotus paniculatus</i> (Lam.) Muell.-Arg.	Bai Bao Zi	(stem leaf) Amino acids. ⁵⁷	To cleanse wounds.
<i>Mallotus repandus</i> (Willd.) Muell.	Gong Xian Teng	(stem, leaf) Mallorepine, bergenin, repandusin, repandusinic acids, mallotinin. ^{340,341}	An insecticide, relieve itching, anti-inflammatory.
<i>Malva chinensis</i> Mill. <i>M. pulchella</i> Berhn. <i>M. sylvestris</i> L. <i>M. verticillata</i> L.	Dong Kui Zi (Chinese mallow)	(whole plant) l-arabinose, l-rhamnose, d-galacturonic acid. ⁷⁵	Treat stomach and intestinal disorders, to make labor easier, laxative, treat gonorrhoea, congestion, constipation.
<i>Manihot esculenta</i> Crantz.	Shu Shu	(root) Hydrocyanic acid. ⁷⁶ This herb is toxic.	To dress ulcerous sores.
<i>Marsdenia tenacissima</i> (Roxb.) Wight. et Am.	Tong Guan Teng	(stem) Saponins, marsdeoreophisides, metaploxigenin, sarcostin. ³³	Antiasthmatic, hypotensive, antibacterial.

Scientific Name	Common Chinese and (English) Name	Major Constituents and (sources)	Therapeutic Values*
<i>Matricaria chamomilla</i> L.	Yang Gan Jiu (Matricary)	(flower head, leaf) Volatile oil, azulene, isoamyl, isobutyl, angelic acid, tiglic acid, anthelmic acid, tannins, malic acid. ⁷⁷	Carminative, diaphoretic.
<i>Matteuccia struthiopteris</i> (L.) Todaro	Jia Gou Ju	(root) Ponasterone A, ecdysterone, palmitic acid, astragalin, caffeic acid, chlorogenic, vanillic acid, p-hydroxybenzoic, p-coumaric, ferulic, protocatechuic, beta-sitosterol, campesterol, filicin, stigmasterol, pterosterone. ^{48,217}	Tonic, lower blood pressure.
<i>Maytenus diversifolia</i> Hou. <i>M. confertiflorus</i> Luo & Chen.	Ci Luo Shi	(leaf, bark) Dulcitol, maytansine, succinic acid, syringic acid, 3-oxykojie acid, loliolide. ⁵⁰	Antitumor, bark is used for cancer of the liver and stomach.
<i>Maytenus serrata</i> (Hochst. ex A. Rich) Wilcz. <i>M. hookeri</i> Loes.	Mei Deng Mu	(fruit, bark, rhizome) Maytansine, maytanprine, maytanbutine, maytanvaline, maytanacine, maytansinol. ³³	Treat lung cancer, breast and ovarian cancer, acute lymphocytic leukemia, colon carcinoma, kidney carcinoma.

<p><i>Medicago falcata</i> L. <i>M. lupulina</i> L. <i>M. polymorpha</i> L. <i>M. ruthenica</i> (L.) Ledeb. <i>M. sativa</i> L.</p>	<p>Mu Xu (Alfalfa)</p>	<p>(whole plant) Lucernol, sativol, coumesterol, formonetin, daidzein, tricin, citrulline, canaline, dicoumarol, methylene-bishydroxy-coumarin, medicagemic acid, ononitol, petunidin, malvidin, delphinidin, linalool, myrcene, limonene.⁴⁸</p>	<p>Depurative, diuretic, stomachic, treat intestinal and kidney disorders, kidney stone, poor night vision.</p>
<p><i>Melaleuca leucadendra</i> L.</p>	<p>Bai Qian Ceng (Cajeput)</p>	<p>(leaf) Cajuputol, cineole, eucalyptol, lignin, melaleucin, pinene, terpinol, l-limonene, dipentene, nerolidiol, sesquiterpenes, azulene, sesquiterpene alcohols, valeraldehyde, benzaldehyde, betulinic acid, oleanolic acid, ursolic acid, quercimeritrin, isoquercitrin, gallic acid.⁵⁰</p>	<p>Treat dropsy, oil is for gout, inhaled to treat colds, rhinitis, embrocation against rheumatism. It is an anodyne, antispetic.</p>
<p><i>Melasma arvense</i> (Benth) Handel- Maxxetti</p>	<p>Hei Shuo</p>	<p>(whole plant) Musaenoide, aucubin.⁵⁷</p>	<p>Treat child's whitish tongue, diuretic.</p>
<p><i>Melia japonica</i> G. Don <i>M. toosendan</i> L. <i>M. azedarach</i> L.</p>	<p>Chuan Lian or Ku Lian Ku Lian Pi or Ku Lian Chi (Chinaberry tree)</p>	<p>(stem, root bark) Toosendanin, nimbin, kulinone, methylkulonate, melianol, gedunin, melianodiol, melianotriol, melialactone, azadarachtin, nimbolins, fraxinella, palmitic acid, lauric acid, valerianic acid, butyric acid, stearic acid, cycloencalenol.^{33,49,144} This herb is toxic.</p>	<p>Treat intestinal parasite, antibacterial, anthelmintic.</p>

Scientific Name	Common Chinese and (English) Name	Major Constituents and (sources)	Therapeutic Values*
<i>Melilotus alba</i> Medicus <i>M. indica</i> (L.) All. <i>M. suaveolens</i> Ledeb.	Be Han Cao (Clover)	(whole plant) Hydroxycinnamic acid, coumarinic acid, 4-hydroxycinnamic acid, cumaric acid, umbelliferone, scopoletin, melilotoside, melilotic acid, beta-D-glucosyloxy, dicumarol, chlogogenic acid, caffeic acid, melilotic acid. ⁴⁸	Anticoagulant, treat bowel complaints, infantile diarrhea. A bactericide.
<i>Melochia corchonfolia</i> L.	Ye Lu Kui	(leaf) Trifalin, melocorin, hibifolin. ⁵⁷	As poultice to treat sores, swelling and pain in the abdomen. Also treat vomiting.
<i>Menispermum dauricum</i> L.	Ye Dou Gen, Shan Dou Gen (Moonseed)	(root) Dauricine, daurinine, l-stepharine, dauricoline, acutumine, tetrandrine, dauricinoline, stepholidine, magnoflorine, menisperine, sinomenine. ^{33,505}	Antiarrhythmic, analgesic effect, relieve headache, insomnia.
<i>Menispermum dauricum</i> DC f. pilosum (Schneider) Kitag. (Syn. <i>Cocculus diversifolius</i>)	Fang Chi (Siberian moonseed)	(whole plant) Acutumine, acutuminine, dauricine, disinomenine, magnoflorine, menispermine, sinomenine, stepharine, tetrandrine. ⁵⁰	Antitumor, cytotoxic, alleviate skin allergies, antirheumatic, anticancer against esophageal cancer.

<i>Mentha arvensis</i> L. <i>M. dahurica</i> Fisch. ex Benth. <i>M. haplocalyx</i> Briq. <i>M. sachalinensis</i> (Briq.) Kudo <i>M. sachalinensis</i> (Briq.) Kudo f. arguta (Kitag.) Y. C. Chu	Bo Hoo (Peppermint)	(aerial parts) Menthol, menthone, menthyl acetate. ³³	Stimulate gastrointestinal tract motility and central nervous system, dilate peripheral blood vessels, increase sweat gland secretion.
<i>Menyanthes trifoliata</i> L.	Shui Cai (Bogbean)	(whole plant) Aromadendrine, betulinic acid, cadinene, choline, gentiatibetin, cineole, dihydrofoliamenthin, foliamenthin, gentialutine, loganin, gentianine, gentiatibetine, invertin, gurjuncene, meliatin, menthiafolin, menyanthin, secologanin, alpha- spinasterol, stigmast-7-enol, trifolioside. ⁵⁰	Antitumor, increase gastric secretions, as cathartic, cholagogue, narcotic, sedative, tonic, vermifuge.
<i>Michelia alba</i> DC <i>M. figo</i> DC	Bai Yu Lan Han Xiao Hua (White champac)	(flower bud) Acetic acid, linalool, michelabine, methylethylacetic ester, methyl eugenol, oxoushinsunine, salicifoline, ushinsunine. ⁵⁰	For sapremia following miscarriage.
<i>Milletia reticulata</i> Benth. <i>M. taiwaniana</i> (Matsum.) Hayata	Ji Xue Teng Lu Teng	(leaf) Rotenone, anhydroderrid. ⁶⁰	Insecticide.
<i>Mimosa arborea</i> Thunb.	Han Xiou Cao	See <i>Albizia julibrissin</i>	
<i>Mimosa invisa</i> Mart. et Colla <i>M. pudica</i> L.	American Han Xiou Cao Han Xiou Cao	(whole plant) Minosine. ⁷⁸ This herb is toxic if overdose.	Treat neurosis, trauma wound, and hemoptysis. It has a tranquilizing effect.

Scientific Name	Common Chinese and (English) Name	Major Constituents and (sources)	Therapeutic Values*
<i>Momordica charantia</i> L.	Ku Gua (Bitter melon)	(seed) Anti-HIV protein MAP 30, sterol. ^{33,351,408,423}	For immune disorders and common infections. Capable of inhibiting infection of HIV-1 in T. lymphocytes and monocytes, anti-tumor.
<i>Momordica cylindrica</i> L.	Si Gua	See <i>Luffa cylindrica</i>	
<i>Momordica grosvenori</i> Swingle	Luo Han Guo	(fruit) Esgoside. ³³	An expectorant, control coughing.
<i>Morinda citrifolia</i> L. <i>M. officinalis</i> L.	Je Shu Ba Ji Tian	(root) Dihydroxy methyl anthraquinone, glucoside morindin, rubichloric acid, alizarin, alpha-methyl ether, rubiadin-I-methyl ether, tannins, morindadiol, masperuloside, soranjudiol, nordamnacanthal. ^{50,424}	Treat beri-beri, cancer, lumbago, cholecystitis, increase leukocyte count, stimulate endocrine system.
<i>Morinda parvifolia</i> Bartling	Xiao Ye Yang Jiao Teng	(root) Methanolic, morindaparvin-a, alizarin-1-methyl ether. ⁵⁰	Against p-388 lymphocytic leukemia growth (<i>in vivo</i>), cytotoxic, antileukemic.
<i>Morus alba</i> L. <i>M. constantinopolitana</i> Poir. <i>M. indica</i> L.	Sang Zhi or Sang Gen Bai Pi (Mulberry tree)	(young twig) Morin, dihydromorin, maclurin, dihydrokaempterol, mulberrin, 2,4,4', t-tetrahydroxybenzophenone, mulberrochromene, cyclomulberrochromene. ³³	Antirheumatic, antihypertensive, diuretic, remove obstructions of the intestinal tract.

<i>Murraya paniculata</i> (L.) Jack	Jiu Li Xiang (Orange jessamine)	(leaf, young branches) l-cadinene, methylanthranilate, bisabolene, beta-caryophyllene, geraniol, carene, 5-guaizulene, osthol, paniculatin coumurrayin. ³³	Relieve pain, remove toxic substances, an antispasmodic, antagonize muscular spasms.
<i>Musa paradisiaca</i> L. var. <i>sapientum</i> O. Ktze.	Xiang Jiao (Banana)	(root, trunk juice, fruit, flower) Serotonin, norepinephrine. ⁶⁰	Carbuncles all kinds of tumors, swellings, measles, headache with fever and sunburn. Stimulate the smooth muscle of the intestine, treat certain forms of heart collapse.
<i>Mussaenda parviflora</i> Miq.	Yu Ye Jin Hua	(leaf, root) Triterpenoid. ⁷⁹	Treat malarial fever.
<i>Myrica rubra</i> (Lour.) Sieb. et Zucc.	Gou Mei (Chinese strawberry)	(fruit) Myricetin. ³³	Treat gastric pain, diarrhea, dysentery.
<i>Myristica fragrans</i> Houtt.	Rou Dau Kou (Nutmeg)	(seed) Lauric acid, myristic acid, stearic acid, hexadecanoic acid, oleic acid, linoleic acid, amyloextrins, pectins, resins, campherene, cymene, dipentene, eugenol, geraniol, isoeugenol, linalool, myristicin, pinene, safrole, terpineol. ⁵⁰ Volatile oil from this herb may be toxic.	For hysteria, hypochondria, agoraphobia, laughter, cramps, crying jags, dysmenorrhea, amnesia.
<i>Nandina domestica</i> Thunb.	Nan Tian Zhu (Sacred bamboo)	(fruit, bark, leaf) Domesticine, nandinine, cyanic acid, nandazurine, berberine. ⁴⁹ This herb is toxic.	Antitussive.

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<i>Narcissus tazetta</i> L. var. <i>chinensis</i> Roem.	Shui Shai (Polyanthus narcissus)	(bulb) Lycorine, tazettine, narcitine. ^{49,60} This herb is toxic if overdose.	Antiphlogistic, analgesic for boils, abscesses, mastitis.
<i>Nardostachys jatamansi</i> DC	Ga Song Xiang (Spikenard)	(root) Essential oil, jatamansic acid, sesquiterpene. ^{49,80}	Aromatic stomachic, sedative, antispasmodic.
<i>Nauclea rhynchophylla</i> Miq. <i>N. sinensis</i> Oliv.	Gou Teng	(stem, spine) Rhynchophylline, isorhynchophylline. ^{49,72}	Lower blood pressure, paralyze sympathetic nerve ending, sedative, antispasmodic in infantile nervous disorders.
<i>Nelumbium nelumbo</i> Druce.	Lian Zi Xin (Lotus)	(plumule) Liensinine, isoliensinine, neferine, lotusine, methyl-corypalline, demethyl-coclaurine. ³³	Tranquilizing and antihypertensive.
<i>Nelumbium nuciferum</i> Gaertner <i>N. speciosum</i> Willd.	Lian, He Ye (East Indian lotus)	(leaf) Nuciferine, roemerine, anonaine, O-nornuciferine, liriodenine, anneparine, dihydronuciferine, pronuciferine, N-methylcoclaurine, N-methylisococlaurine. ³³	Relaxing effect on smooth muscles, increase essential body energies.
<i>Neolalsmitra integrifoliola</i> (Cogn.) Hutch	Bang Chui Hui	(stem) Cucurbitacin B, iso-cucurbitacin B, carotenoids. ⁵⁶	Laxative for diarrhea, treat intermittent fever, hepatitis, thyroid gland swelling. Used as a wash for contusions.

<i>Nepenthes raffsiana</i> Masilus	Zhu Long Cao (Pitcher plant)	(root, stem) Flavonoids, anthraquinoids, amino acids, phenols. ⁵⁷	As a poultice to treat stomachache and dysentery. Internally to treat remittent fever.
<i>Nephelium longana</i> Camb. <i>N. lappaceum</i> L.	Ron Yen Raw Hong Mao Dan (Rambutan)	(aerial part, kernel) Glucose, sucrose, tartaric acid, vitamins A, B, saponins, tannins. ⁴⁹	Nutrient tonic in neurasthenia, insomnia, styptic.
<i>Nerium indicum</i> Mill.	Jia Zhu Tao (Indian oleander)	(leaf, stem, flower, root) Oleandrin (toxic), oleandrose, neriodorin, nerioderin, karabin, scopoletin, scopoline, neriodin, ursolic acid, adynerin. ^{33,450}	Treats psychosis, congestive heart failure, analgesic, emmenagogue.
<i>Nervilia purpurea</i> (Hayata) Schltr.	Yi Dian Hong	(whole plant) Cyclonerviol, cyclomonerviol, stigmaterol, dihydrocyclonerviol, ergosterol, epibrassicasterol, nervisterol, cyclonerviol. ⁵⁸	As a protective medicine post partum, treat throat infection, pneumonia, high blood pressure, diabetes.
<i>Nicotiana tabacum</i> L.	Yan Cao (Tobacco)	(leaf) Nicotine, nicotimine, nicotine, nicotelline. ⁶⁰ This herb is toxic.	Treat soreness in the joints, numbness, hemicrania, poisonous snakebites, insecticide, antidyenteric, emetic.
<i>Nothosmyrnum japonicum</i> Miq.	Hao Mu	(root) Essential oil, nothosmyrrol, dimethoxyallylbenzene. ⁴⁹	Cerebral sedative, analgesic, antispasmodic.
<i>Notopterygium incisium</i> Ting	Giang Huo	(root) Notoptero, isoimperatorin, faltarindiol, essential oils, limonene. ⁵³	Antirheumatic, for arthritis, cold, excessive sweating.

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<i>Nuphar japonicum</i> DC <i>N. pumilum</i> (Timm) DC	Japan Pin Peng Cao (Yellow pond lily)	(seed, root) Nupharamine, sitosterol, palmitic acid, oleic acid. ^{74,75}	For digestive organs, increases body strength.
<i>Nymphaea tetragona</i> Georgi <i>N. tetragona</i> Georgi var. <i>crasifolia</i> (Hand. Mazz.) Y. C. Chu	Shui Lian (Pigmy water lily)	(flower, leaf, root) Amino acids. ⁴⁸	A cooling lotion to apply to eruptive fevers, treat colic, gonorrhea, lower blood pressure.
<i>Oenothera biennis</i> L. <i>O. odorata</i> Jacq.	Shan Zhi Ma Da Ri Jian Cao	(seed oil, root) 6,9,12-octadecatrienoic acid. ⁴⁸	Lower cholesterol, regulate heart beat, treat arthritis.
<i>Oenothera javanica</i> (BI) DC	Shui Jin	(seed, leaf) Bis (2-ethyl butyl) phthalate, n-butyl-2-ethyl butyl phthalate, diethyl phthalate, myrcene, alpha-pinene, terpinolene, limonene, beta-pinene, alpha-terpinene, persicarin, petroselinic acid. ^{48,50}	For plethora, cholera, dysuria, fever, hematuria, influenza, jaundice, metrorrhagia, antivenous, hemostat. Externally for abscesses, cancerous swelling, snakebite.
<i>Oenothera terythrosepala</i> Borbus	Da Ri Jian Cao	(root) Linolenic acid. ⁵³	
<i>Oldenlandia chrysotricha</i> L. <i>O. corymbosa</i> L.	Shi Da Chuan Shui Xian Cao	(leaf) Biflorine, biflorone, gamma-sitosterol, stigmasterol, ursolic acid, oleanolic acid. ⁵⁰	Ferbrifuge, for hepatomegaly, lymphadenitis, neophasia, splenomegaly.
<i>Oldenlandia diffusa</i> L.	Bai Hua Shi Shi Cao	(aerial part) Asperuloside, palderoside, desacetylasperuloside, beta-sitosterol, stigmasterol, ursolic acid, oldenlandoside. ³³	Treats malignant tumors, hepatomas, hepatomegaly, cancer of the cervix, esophagus, stimulates reticuloendothelial system.

<i>Omphalia lapidescens</i> Baill.	Lei Wan	(sclerotium) ⁵⁰ Glucan, OL-2. ²⁰⁹	Antitumor, treat ascariasis, taeniasis, ankylostomiasis.
<i>Onychium japonicum</i> (Thunb.) Kunze.	Japan Jin Fen Ju	(spores, aerial part) Kaempferol-rhamnoside. ⁵⁶	To relieve chest and abdominal pains, stop bleeding, diuretic, detoxicant, intestinal infection.
<i>Ophioglossum japonicus</i> (Thunb.) Ker-Gawl.	Mai Dong	(root) Beta-sitosterol. ⁶⁹	Depurative, a tonic, thirst-quenching or sialagogue, treat phthisis.
<i>Ophioglossum vulgatum</i> L.	Yi Zhi Jian (Adder's tongue)	(whole plant) 3-O-methylquercetin. ³³	As a hemostatic, abscesses, treat gangrene. Externally treats snakebite.
<i>Ophiopogon gracilus</i> Kunth. <i>O. longifolius</i> Decne. <i>O. spicatus</i> Ker-Gawler	Mai Meng Dong (Lilyturf)	See <i>Liriope spicata</i>	
<i>Ophiopogon japonicus</i> Wall.	Yan Jie Cao or Mar Dong (Japanese lilyturf)	(root) Beta-sitosterol, stigmasterol, ophiopogenins, polysaccharides, kaempferol-3-glucosylgalactoside. ^{33,50}	Antitussive, expectorant, emollient, anticancer. Smooth lung functions, stop coughing.
<i>Ophiorrhiza japonica</i> Blume <i>O. mungos</i> L.	Japan She Gen Cao She Gen Cao	(whole plant) Resin, alkaloid, beta-sitosterol, 5 alpha-ergost-en-3 beta-ol, 5 alpha-ergost-8(-14)-en-3B-ol, tannates, hydrogen cyanide. ⁵⁰	For circulatory and pulmonary ailments.
<i>Oplopanax elatus</i> (Nakai) Nakai	Ci Seng	(stem, root) Essential oil, echinopanacene, n-caprylaldehyde, echinopanacol, oplopanaxosides, flavonoids. ^{48,50,72,354}	A remedy and tonic for progressive emaciation.

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<i>Orchis latifolia</i> L.	Hong Men Lan	(whole plant) Alkaloids. ^{48,359}	Sialagogue, treat anemia.
<i>Oryza sativa</i> L.	Nou Me (Rice)	(whole plant) Isoleucine, leucine, lysine, phenylalanine, tyrosine, amino acids, methioine, threonine, tryptophane, valine. ⁵⁰	For dysentery, gout, rheumatism, hemorrhoids, an astringent, anhydrotic, anuria.
<i>Osmanthus fragrans</i> (Thunb.) Lour.	Mu Gui, Gui Hua (Cassia tree)	(flower) Beta-phellandrene, osmane, nerol, methyl-laurate, methylmyristate, methypalmitate, uvaol. ³³	Reduce phlegm, remove blood stasis.
<i>Osmunda japonica</i> L.	Zi Kee Guan Zhong (Japanese royal fern)	(whole plant) Ponasterone A, ecdysterone, custeodyesine, ecdysone. ³³	Anthelmintic, treat inflammation of the salivary glands.
<i>Oxalis corriculaza</i> L. <i>O. corymbosa</i> DC	Sha Jiang Cao (Wood sorrel)	(leaf) Oxalate, vitamin C, calcium, citric acid, malic acid, tartaric acid. ⁵⁰	Antidote to arsenic and mercury, for bruises, clots, diarrhea, fever, influenza, snakebite, urinary infections.
<i>Oxyria digyna</i> (L.) Hill	Gao Shan Liao	(whole plant) Protein, fat, ash, carbohydrate, retinol, mineral elements. ^{48,210}	For hepatitis.
<i>Pachyrhizus thunbergianus</i> Sieb. et Zucc.	Ge Gen (Kudzu vine)	See <i>Pueraria thunbergiana</i>	

<p><i>Paeonia albiflora</i> Pall. <i>P. edulis</i> Salisb. <i>P. japonica</i> (Makino) Miyabe. et Takeda <i>P. lactiflora</i> Pall. <i>P. lactiflora</i> Pall. var. <i>trichocarpa</i> (Bunge.) Stern <i>P. moutan</i> Sims. <i>P. officinalis</i> L.</p>	<p>Bai Shao, Shao Yao (Peony, tree peony)</p>	<p>(root) Benzoic acid, paeoniflorin, oxypaeoniflorin, albiflorin, benzoyl paeoniflorin, acetylsalicylic acid.^{14,15,226,510}</p>	<p>Carminative, antispasmodic, analgesic, sedative.</p>
<p><i>Paeonia obovata</i> Maxim. <i>P. mourian</i> Sim. <i>P. suffruticosa</i> Anders. <i>P. veitchii</i> Lynch.</p>	<p>Mu Dan Pi (Tree peony)</p>	<p>(root bark) Paeonol, paeonoside, paeonin, pelargonin, paeonolide, astragaline (paeoniflorin contained in <i>P. mourian</i>).^{1,2,33}</p>	<p>Sedative, antipyretic, analgesic actions.</p>
<p><i>Panax ginseng</i> C. A. Meyer <i>P. pseudoginseng</i> Wall.</p>	<p>Ren Seng (Ginseng)</p>	<p>(root) Triterpenoid, quinquenosides, ginsenosides, oleanolic acid, panaxynol, beta-elemene, spemine, putrescine, spermindine.^{26,53,510,511}</p>	<p>A stimulant, tonic, expectorant.</p>
<p><i>Panax japonicum</i> C. A. Meyer</p>	<p>Zhu Je Seng (Japanese ginseng)</p>	<p>(rhizome) Saponins including chikusetsa saponin II and chikusetsa saponin IV, ginsenoside R₀.^{25,33}</p>	<p>A stimulant, tonic, expectorant.</p>
<p><i>Panax notoginseng</i> (Burk) F. H. Chen</p>	<p>Tian Qi</p>	<p>(root) Ginsenosides, panaxatriol, panaxadiol, dencichine, saponins flavonoids.^{53,425}</p>	<p>A stimulant, tonic expectorant, anti-inflammatory.</p>
<p><i>Panax quinquefolium</i> L.</p>	<p>Xi Yang Seng (American ginseng)</p>	<p>(root) Ginsenosides, phytosterols.²⁶</p>	<p>Stimulating effect on central nervous system, antifatigue.</p>

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<i>Panax zingiberensis</i> C. Y. Wu & K. M. Feng	San Qi	(root) Saponins including arasaponins, panaxadiol, panaxatriol. ³³ This herb is mildly toxic.	Arrest bleeding, remove blood stasis, relieve pain. Treat angina pectoris, hemorrhagic diseases.
<i>Papaver amurense</i> (N. Busch) N. Busch ex Tolmatchev. <i>P. nudicaule</i> L. <i>P. radicum</i> Rottb. var. pseudoradicatum (Kitag.) Kitag.	Ying Su (Poppy)	(whole plant) Amurine, amuroline, amuroine, coptisine, nudaurine, muramine, nudicaulin. ⁴⁸	For cough, headache, intestinal infection, blood in the urine, stomach ulcer.
<i>Papaver rhoeas</i> L.	Li Chun Hua (Corn poppy)	(flower, root) Rhoeadine, rhoegenine. ⁷²	For jaundice, as a gargle or ingested as bechic.
<i>Papaver somniferum</i> L.	Yu Mei Ku (Opium poppy)	(whole plant) Berberine, codeine, papaverine, isocorypalmine, laudanine, magnoflorine, meconine, 6-methylcodine, morphine, narcotine, pseudomorphine, rhoeadine, sanguinarine, beta-sitosterol, stigmasterol, thebaine, zanthaline. ⁵⁰	Antitussive, antispasmodic, analgesic, astringent, narcotic, treat chronic enteritis, diarrhea, enterorrhagia, headache, toothache, asthma.
<i>Paracyclea insularis</i> Kudo et Yamamoto	Tu Fang Ji	(root) Insulanoline, insularine, iso-chondrodendrine. ⁵⁸	Treat headache, throat pain, arthritis pain, externally for snakebite.
<i>Paracyclea ochiaiana</i> Kudo et Yamamoto	Taiwan Tu Fang Ji	(stem) Insularine. ⁵⁸	Relieve pain caused by arthritis, headache.
<i>Parechites adnascens</i> Hance <i>P. thunbergii</i> A. Gray	Luo Shi	See <i>Trachelospermum jasminoides</i>	

<i>Parietaria micrantha</i> Ledeb.	Qiang Cao	(root, vine) Protocatechuic acid. ⁵⁰	For fractures, hemorrhage, lumbago, myalgia, numbness, renitis, rheumatism.
<i>Paris polyphylla</i> Smith <i>P. quadrifolia</i> L.	Zao Xiu (Himalayan paris)	(root) Alpha-paristypnin, diosgenin glycosides, furostanol, spirostanol saponins. ^{50,506}	Antispasmodic, anti-inflammatory, febrifuge, anti-tumor.
<i>Parnassia palustris</i> L.	Mei Hua Cao	(whole plant) Kaempferol, hyperin. ⁴⁸	Treat diarrhea, liver infection, cough.
<i>Parthenocissus tricuspidata</i> Planchon.	Di Jin (Boston ivy)	(root, stem) Cyanidin, lysopine, octopinic acid, fatty acids. ⁴⁸	Treat arthritis, stomachic, headache, blood in the stool.
<i>Patrinia heterophylla</i> Juss.	Mu Tou Hui	(root) Essential oils. ⁴⁸	Stimulate circulation, eliminate blood stasis in cancers of the blood and cervix.
<i>Patrinia scabiosaefolia</i> Fisch ex Link.	Ye Huang Hua or Bai Jiang Cao	(leaf) Essential oils, patrinoside, isopatrinen. ^{33,50}	Antidote, astringent, anodyne. Treat insomnia caused by neurasthenia or acute infections.
<i>Pedicularis resupinata</i> L. <i>P. resupinata</i> L. f. pubescens Kom. <i>P. resupinata</i> L. f. ramosa Kom.	Ma Xian Gao (Lousewort)	(whole plant) Alpha-amyrin, beta-amyrin, betulinic acid, cholesterol, kaempferol. ^{50,218}	Used in fever, leucorrhea, rheumatism, sterility, urinary difficulties, anti-inflammation, dryness of the mouth, tongue, and tinnitus.
<i>Pericamylus formosanus</i> Diels	Peng Lai Teng (Salt vine)	(whole plant) Narcotic alkaloid, mucilage. ⁵⁰	Antirheumatic.

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<i>Perilla frutescens</i> (L.) Britt. <i>P. ocymoides</i> L. <i>P. ocymoides</i> L. var. <i>crispa</i> Benth. <i>P. polystachya</i> D. Don (Syn. <i>Elsholtzia cristata</i>) <i>P. arguta</i> Benth	Xiang Xu (Perilla) Zi Su	(leaf) Perilladehyde, l-perilla, aldehyde, apigenin, luteolin, limonene, beta-caryophyllene, alpha-bergamotene, linalool, 3-p-coumarylglycoside-5-glucoside of cyanidin, 7-caffeoyl-glucosides of apigenin and luteolin, anthocyanins. ^{33,50,249,264.}	Antibacterial, antitussive, stomachic, antiseptic.
<i>Periploca sepium</i> Berge.	Xiang Jia Pi (Silk vine)	(root bark) Steroid glycosides, carenolide, periplocin, pregnenes(low toxicity). ^{29,33}	Antirheumatic, cardiotoxic.
<i>Persicaria amphibia</i> (L.) S. F. Gray	Liang Xi Liao	(whole plant) Hyperoside, avicularin, quercetin, kaempferol, quercimeritrin, luteolin-7-glucoside. ⁴⁸	Treat diarrhea.
<i>Persicaria hydropiper</i> (L.) Spach.	Shui Liao	(whole plant) Tadeonal, polygodiol, isotadeonal, confertifolin, polygonone, persicarin, quercetin, rhamnazin, quercitrin, quercimeritrin, hyperin, leucoanthocyanins. ⁴⁸	Antitoxin, insecticide, relieve itchiness, stop bleeding.
<i>Persicaria orientalis</i> (L.) Spach.	Hong Cao	(fruit, whole plant) Orientin, orientoside, vitexin, plastoquinone. ⁴⁸	Treat arthritis, relieve swelling, diuretic.

<i>Petasites japonicus</i> F. Schmidt	Feng Dou Cai	(flower, root, leaf) Beta-sitosterol, beta-carotene, thiamine, riboflavin, niacin, ascorbic acid. ⁵⁰	For colds, asthma, cough, dyspnea, tuberculosis.
<i>Peucedanum decursivum</i> Max.	Qian Hu (Hogfennel)	(root) Glycoside nodakenin. ⁴⁹	Analgesic, antipyretic, antitussive, treat headache, bronchitis, asthma, pertussis.
<i>Peucedanum formosanum</i> Hayata	Taiwan Qian Hu	(root) Anomalin, coumarin, peuformosin. ⁵⁶	Cooling function, relieve pain, cough, treat cold, headache.
<i>Peucedanum japonicum</i> Thunb. <i>P. praeruptorum</i> L. <i>P. rubricaula</i> Shan et Shch.	Fang Kui	(root) Nodakenetin, nodakenin, decursidin, umbelliferone, pencordin, qianhucocumarin, rubricauloside. ^{33,247}	Antitussive, expectorant.
<i>Pharbitis diversifolia</i> Lindl. <i>P. hederacea</i> Choisy <i>P. nil</i> (L.) <i>P. triloba</i> Miq.	Qian Niu Zi (Morning glory)	(seed) Glycoside pharbitin, gibberellin, pharbilic acid. ^{33,144} This herb is toxic.	Potent purgative, purge parasites, ascaris, and taenia. Treat constipation, edema.
<i>Phaseolus angularis</i> (Willd.) W. F. Wight <i>P. lunatus</i> L. <i>P. radiatus</i> L. <i>P. vulgaris</i> L.	Jin Jia Dou (Black gram)	(seed, leaf) Alpha-globuline, beta-globulin, fatty acids, vitamins A, B, and B ₂ , robinin, kaempferol-3- robinobiosido-7-rhamnoside. ⁴⁸	Diuretic, for abscesses, beri- beri, dysentery, sores, swelling.
<i>Phellodendron amurense</i> Rupr. <i>P. amurense</i> Rupr. f. molle (Nakai) Y. C. Chu <i>P. chinensis</i> Schneid	Huang Bai (Cork tree)	(bark) Berberine, palmatine, candicine, phellodendrine, obacunone. ³³	Antibacterial, stimulate the phagocytic activity of leukocytes, against dysentery.

Scientific Name	Common Chinese and (English) Name	Major Constituents and (sources)	Therapeutic Values*
<i>Photinia serrulata</i> Lindl.	Shi Nan Ye (Photinia)	(leaf) Hydrocyanic acid, tannins. ⁴⁹	Tonic and stimulant in neurasthenia, impotence, spermatorrhea, amenorrhea, infecundity.
<i>Phragmites communis</i> Trin.	Lu Gen (Reed)	(root) Glycosides, protein, asparagin. ⁴⁹	As stomachic, antiemetic, antipyretic. Treat arthritis, jaundice, pulmonary abscess.
<i>Phyllanthus emblica</i> L.	Ye Gan Zi	(whole plant) Chebulinic acid, mucic acid, alpha-leucodelphinidin, vitamin C. ^{33,307}	For conjunctivitis, diarrhea, abdominal tumors, nephritis, urogenital ailments.
<i>Phyllanthus simplex</i> Ketzui	Dan Ye Xiz Zhu	(leaf) Alpha-ketoglutaric acid, simplexine. ^{57,211,212}	Treat sore eyes, hepatitis, mammary gland infection.
<i>Phyllanthus urinaria</i> L. <i>P. niruri</i> Li <i>P. reticulatus</i> Poiret	Ye Xia Zhu Zhu Zi Cao	(fruit, leaf) Phyllanthine, phyllantidine. In leaf, phyllanthin, hypophyllanthin, niranthin, nirtetralin, phylteralin. ³³	Treat coughing, promote digestion and secretion.
<i>Phyllanthus virgatus</i> Forster	Xi Ye Zhu Chi Cao	(whole plant) Vitamin C, amino acids. ⁵⁷	Treat hepatitis, cold, fever, blood vomiting, diarrhea.
<i>Phyllodium pulchellum</i> (L.) Desvaux.	Pai Qian Shu	(whole plant) Bufotenine, N,N-dimethyltryptamine, N,N-dimethyltryptamine oxide, framine, physcim-l-glucorhamnoside. ⁵⁴	Diuretic, relieve swelling, treat cold, pain, regulate menses.

<i>Phyllostachys bambusoide</i> Sieb. et Zucc. <i>P. nigra</i> Munro. var. <i>henonis</i> Mak.	Chu Ye (Timber bamboo)	(leaf, shoot) Benzoic acid, silica, potassium hydroxide, aluminum oxide, iron oxide, calcium.	Antipyretic, hematuria, sedative, antiemetic, antispasmodic in catarrh.
<i>Physalis alkekengi</i> L. var. <i>francheti</i> (Mast.) Makino	Jin Deng Long (Chinese lantern)	(calyx, fruit) Physanols, physalien, zeaxanthin, glycolic acid, cryptoxanthin, physoxanthin, mutaxanthin, auroxanthin, physalin A, B, and C, luteolin, tigloidine, physalins, hystonin. ^{33,48}	Antibacterial, stimulate myocardial contraction, cause vasoconstriction, uterine contraction.
<i>Physalis angulata</i> L.	Ku Zhi (Groundcherry)	(fruit, leaf) Hystonin. ⁶⁰ Overdose may cause dizziness.	Antifebrile, laxative, diuretic, causing uterine contractions.
<i>Physochlaina infundibularis</i> Kuang.	Hua Shan Seng	(root) Hyoscyamine, scopolamine, scopoletin, scoplin. ³³ This herb is toxic.	A cholinergic blocking agent, relaxing effect on bronchial muscles.
<i>Phytolacca acinosa</i> Roxb. <i>P. americana</i> L. <i>P. japonica</i> Makino <i>P. kaempferi</i> A. Gray <i>P. octandra</i> Bge. <i>P. pekinensis</i> Hance	Shang Lu (Pokeberry)	(root) Phytolacine, phytolaccatoxin, oxyristic acid, jaligonic acid, saponins. ^{33,144} This herb is toxic.	Antitussive, diuretic, antibacterial, anti-inflammatory.
<i>Picrasma quassioides</i> (D. Don) Benn. <i>P. quassioides</i> (D. Don) Benn. f. <i>dasycarpa</i> Kitag.	Ku Shu	(stem bark) 2,4-dichloro-6-aminopyridine, 4,5-dimethoxycanthin-6-one, 2,6-dimethoxy-p-benzo-quinone, methyl nigakinone, picrasmin, nigakihemiacetal A, nigakilactone A, nigakinone, quassin. ⁵⁰	Treat fever, stomachache.

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<i>Picrorhiza kurroa</i> Royle.	Hu Huang Lain	(root) Cathartic acid, picrorhizin, kurrin, aglycone, kutkin, vanillic acid. ^{49,450}	Antipyretic, stomachic.
<i>Pileostegia viburnoides</i> Hooker f. Thomson	Ching Mian Hua	(whole plant) Lunularic acid, abscisic acid, quercetin, leucocyanidin. ⁵⁷	Treat arthritis.
<i>Pimela alba</i> Lour.	Gan Lan	See <i>Canarium album</i>	
<i>Pimpinella thellungiana</i> Wolff <i>P. thellungiana</i> Wolff var. <i>tenuisecta</i> Chu	Hui Qin (Aniseed)	(leaf, root, seed) Ilungianin A, ilungianin B. ^{50,220}	A stimulant, anodyne, hypotensive, treat choleraic infections and flatulence.
<i>Pinellia ternata</i> (Thunb.) Breit. <i>P. tuberifera</i> Tenore	Ban Xia	(tuber) l-ephedrine, choline, amino acids. ^{33,144} This herb is toxic.	Antiemetic, antitussive and antidote for strychnine intoxication.
<i>Pinus bungeana</i> Zucc. ex Endl. <i>P. densiflora</i> Sieb. et Zucc. <i>P. koraiensis</i> Sieb. et Zucc. <i>P. sylvestris</i> L. var. <i>mongolica</i> Litv. <i>P. sylvestris</i> L. var. <i>sylvestriformis</i> (Takenouchi) Cheng et C. D. Chu <i>P. tabulaeformis</i> Carr.	Song Ta (Pine)	(cone) Essential oil, limonene, pinitol. ³³	Antitussive, antiasthmatic, antibacterial.
<i>Piper cubeba</i> L.	Bi Cheng Qie (Cubeb, tailed pepper)	(unripe fruit) Cubebin, dipentene, cadinene, cineol, carene, camphene, pinene, sabinene, azulene, terpineol. ⁴⁹	Urinary antiseptic, stomachic, carminative.

<i>Piper longum</i> L.	Bi Ba (Indian long pepper)	(fruit) Volatile oil, piperine,	Antipyretic, carminative, aromatic stomachic, analgesic in gastralgia, flatulence, headache.
<i>Piper nigrum</i> L.	Hu Jiao (Black pepper)	(fruit) Piperine, chavicine, piperamine, piperonal, dihydrocarveol, cryptone, caryophyllene. This herb may cause irritation to the system. ^{33,45}	Anticonvulsive, sedative.
<i>Pistacia lentiscus</i> L.	Ru Xiang	(resin) Masticinic acid, masticonic acid, masticoresene, fisetin, fustin, gallic acid, quercetin, taxifolin. ^{49,50}	Antitumor, antitussive, analgesic, sedative in gastralgia, cardiodynia, mastitis, peptic ulcer.
<i>Pittosporum tobira</i> (Thunb.) Aiton	Hi Tong	(bark) Dihydroterpene, heptane. ⁶⁰	Treat dysentery and rheumatism.
<i>Plantago asiatica</i> L. <i>P. depressa</i> Willd. <i>P. exaltata</i> Horn. <i>P. loureiri</i> Roem. et Schult. <i>P. major</i> L. <i>P. major</i> L. var. <i>asiatica</i> DC	Che Chen Zi (Plantain)	(seed) d-xyllose, l-arabinose, d-galacturonic acid, l-rhamnase, plantasan, plantenolic acid, plantagin, homoplantagin, aucubin, ursolic acid, hentriacontane. ^{48,510}	Diuretic, expectorant, intestinal infection, diarrhea caused by bacteria.
<i>Platyclusus orientalis</i> (L.) Franco.	Ce Bai Ye	See <i>Thuja orientalis</i>	
<i>Platycodon autumnalis</i> Decne. <i>P. grandiflorum</i> DC <i>P. sinensis</i> Lam.	Jie Geng (Kikio root)	(root) Platycodigenin, polygalacic acid, platycodigenic acids, platyconin, prosapogenin, betulin, 3-O- β -glucosylplatycodigenin, platycodosides, spinasterols, platycodonin. ^{23,33,48,510}	An expectorant, antitussive, analgesic.

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<i>Plumbago zeylanica</i> L.	Bai Hua Teng (Ceylon leadwort)	(root) Plumbagin, glucose, fructose, protease, invertase, plumbagin, naphthaquinone, slliptinone, 3-chloroplumbagin. ^{50,450}	Bactericidal, antifertility.
<i>Plumeria rubra</i> L.	Hong Je Dan Hua (Frangipani)	(leaf, stem bark, flower) Agoniadin, cerotinic acid, fulvoplumierin, lupeol, plumieric acid, plumieride, quercetin, pectins, plumieric acid, cerotic acid, acetyl lupeol, essential oils, geraniol, citronellol, farnesol, phenylethyl alcohol, linalool, kaempferol, aldehydes, ketones. ⁵⁰	Inhibits the tuberculosis bacterium, fungicidal, stimulant, emmenagogue, febrifuge, purgative, for dropsy, herpes and venereal infections.
<i>Podocarpus macrophyllus</i> (Thunb.) D. Don	Luo Han Song (Southern yew)	(stem bark, leaf, root, fruit) Pinene, camphene, cadinene, podocarpene, neocryptomerin, kaurene, ecdysterone, ponasterone, makisterones, hinokiflavone, sciadopitysin, podocarpus flavones, macrophyllic acid, podototarol, totarol. ⁵⁴	For ringworms, blood disorders, tonic for heart, kidneys, lungs, stomach.
<i>Podophyllum peltatum</i> L. <i>P. pleianthum</i> Hance	Ba Jian Lian (Podophyllum)	(rhizome) Podophyllotoxin, flavonoids, desoxypodophyllotoxin. ⁵ This herb is toxic.	An antitumor agent.

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<i>Polygonum bistorta</i> L.	Cao He Che (Snakeweed, bistort)	(stem, root) Iodine, oxalic acids, coumarins, hydroxycinnamic acids, ether oil, hydroxybenzoic acids, hydrocyanic acids, anthocyanidines, carotenes, anthraquinones, phytosterines, monoterpene, sesquiterpene glucoside, caffeic acid, quercimeritrin, avicularin, gallic acid, protocatechuic acid. ^{50,221,222,223,224}	Diuretic, laxative, hemostatic, antifebrile.
<i>Polygonum cuspidatum</i> Siebold & Zucc.	Hu Chang (Japanese knotweed)	(stem, root) Polygonin, glucofragulin, emodin, polydatin, flavonoids. ³³	Treat hypercholesterol.
<i>Polygonum hydropiper</i> L.	La Lian (Water pepper)	(whole plant) Persicarin, rhamnazin, isotadeonal, quercimeritrin, tadeonal. ³³	Improve indigestion, treat dysentery and enteritis.
<i>Polygonum multifolrum</i> Thunb. <i>P. chinensis</i> L.	He Shou Wu Huo Tan Mo Cao (Hill buckwheat)	(root, stem, leaf) Chrysophenol, emodin, emodin methyl ester, rhein, glycoside raphantin, lecithin, parietin, chrysophanic acid, anthron. ^{33,49,54,442}	A laxative, detoxicant for boils. Treat neurosis, neurasthenia, insomnia, hypercholesterolemia.
<i>Polygonum orientale</i> L.	Shui Hong Cao (Prince's feather)	(whole plant) Orientin, vitexin, isovitexin, isoorientin, plastoquinone-9. ³³	Antibacterial.

<i>Polygonum perfoliatum</i> L. <i>P. tinctorium</i> Lour.	Gang Ban Gui Ban Lan Geng (Chinese indigo)	(leaf) Flavonoids, amino acids, organic acids, sugar, indican, emodin, chrysophanol, protein. ⁵⁶	Cooling property, relieve swelling, blood circulation, detoxicant, diarrhea. Juice is dropped into the ear to cure deafness.
<i>Polyporus umbellatus</i> (Pers.) Fr.	Zhu Ling	(dried fungus) Ergosterol, biotin, protein. ³³	Diuretic, stimulate the immune system, anticancer.
<i>Poncirus trifoliata</i> Rafin	Gou Gi (Trifoliolate orange)	(fruit) Poncirin, limonin, imperatorin, bergapten, neohesperidin, citrifoliol, myrcene, camphene, gamma-terpinene. ³³	Treat gastric pain, constipation, and prolapse of the uterus or rectum.
<i>Pongamia pinnata</i> (L.) Pierre ex Merrill.	Shui Huang Pi	(bark) Behenic acid, gamatin, kaempferol, kanugin, karanjin, pinnatin, pongapin. ⁵⁰	Antiseptic.
<i>Populus alba</i> L. <i>P. davidiana</i> Dode <i>P. tomentosa</i> Carr.	Yin Bai Yang (White poplar)	(leaf, stem bark) Salicin, populin, benzoyl salicin, tannins, erisin, salicinase, salicortin, tremulacin, salireposide. ⁵⁰	Depurative, for colic, eczema, herpes, labialis, fever, dysuria, antiseptic, antiperiodic.
<i>Poria cocos</i> (Polyporaceae) (Syn. <i>Sclerotium cocos</i>)	Fu Ling	(fungus body) Pachymic acid, tumulosic acid, eburicoic acid, pinicollic acid, pachymarose. ³³	A diuretic, cardi tonic, it has tranquilizing effect, lower blood sugar levels, it is antibacterial and anticancer.
<i>Portulaca grandiflora</i> Hooker	Song Ye Mo (Purslane)	(whole plant) Portulal, betacyanin, betanin, betanidin. ⁵⁵	Treat throat swelling and pain, externally for burns, wounds and infections.

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<i>Portulaca oleracea</i> L.	Ma Chi Xian (Purslane)	(aerial part) Potassium salts, catecholamines, norepinephrine, dopamine, vitamin A, vitamin B, magnesium. ^{33,49}	Antibacterial, diuretic, causes vasoconstriction, stimulates uterine and intestinal smooth muscle contraction.
<i>Portulaca pilosa</i> L.	He Que She	(aerial part) Tannins, phosphates, magnesium, iron, aluminum, manganese, calcium, potassium, sodium, urea. ⁶⁰	Antihemorrhagic, antiscorbutic, vulnerary properties.
<i>Potentilla bifurca</i> L. var. <i>canescens</i> Bong. et Mey. <i>P. bifurca</i> L. var. <i>glabrata</i> Lehm. <i>P. chinensis</i> Seringe <i>P. discolor</i> Bunge. <i>P. fragariodes</i> L. <i>P. fragariodes</i> L. var. <i>major</i> Maxim. <i>P. freyaiana</i> Bornmuller <i>P. kleiniana</i> Wight & Arnott var. <i>robusta</i> (Franch. & Savat.) Kitag.	Wei Ling Cai (Wolfstooth, cinquefoil)	(leaf) D-catechin. ⁵⁰ This herb is toxic. ⁶⁰	Antibacterial, antiplasmodium, smooth muscle relaxation, gynecological bleeding.
<i>Poterium officinale</i> Benth.	Di Yu (Ground elm)	See <i>Sanguisorba officinalis</i>	

<i>Primula sieboldii</i> E. Morren var. <i>patens</i> (Turcz.) Kitag. <i>P. asiatica</i> Nakai <i>P. asiatica</i> Nakai f. <i>albiflora</i> (Koidz.) Kitag. <i>P. asiatica</i> Nakai f. <i>lilacina</i> (Nakai) Kitag. <i>P. vulgaris</i> L.	Yin Cao	(whole plant) Primulagenin A, aegicerin, protoprimulagenin A. ⁴⁸	Relieve cough, throat infection.
<i>Prunella vulgaris</i> L.	Xia Ku Chao (Heal-all)	(leaf) Caffeic acid, d-camphor, cyanidin, delphinidin, d-fenchone, hyperoside, oleanolic acid, rutin, ursolic acid. ^{48,450}	Antibacterial, antipyretic, cardiac tonic, diuretic, anticancer.
<i>Prunus armeniaca</i> L.	Xing Ren (Apricot)	(kernel) Amygdalin, prunasin, fatty acids, mandelonitrile (enzyme amygdalase can hydrolyze amygdalin to produce cyanic acid). ^{33,53}	Stimulate respiratory center reflexively and produce a tranquilizing effect.
<i>Prunus domestica</i> L. <i>P. glandulosa</i> Thunb. <i>P. japonica</i> Thunb.	Yu Lee Ren (Dwarf flowering cherry)	(leaf, fruit) Amygdalin, citric acid, fatty acids. ⁵³	Diuretic, laxative.
<i>Prunus mume</i> (Sieb.) Sieb. et Zucc.	Wu Mai (Black plum)	(fruit) Prudomenin, malic acid, succinic acid, citric acid, tartaric acid, amygdalin. ^{33,53}	Treat biliary ascariasis and hookworm.
<i>Prunus padus</i> L.	Chou Lee	(fruit, leaf) Hyperin, quercetin-3-galactoxylo-glucoside, nonacosane, beta-sitosterol, lupeol, amygdalin, fatty acids. ⁴⁸	Treat diarrhea, cough.

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<i>Prunus persica</i> (L.) Batsch.	Tou Ren (Peach)	(leaf, flower, fruit) Malic acid, citric acid, octalactone, leucoanthocyanins, tannins, hexalactone, hectalactone, benzyl alcohol, nonalactone, decalactone, ethanol, hexanol, acetadehyde, benzaldehyde, acetic acid, pentanoic acid, hexanoic acid. ⁵⁰	Astringent, febrifuge, parasiticide, diuretic, sedative, vermifuge.
<i>Pseudostellaria heterophylla</i> (Miq.)	Tai Zi Shen (Gorden latch)	(root) Fructose, starch. ⁴⁸	A tonic for lung disease, used as an appetizer.
<i>Psidium guajava</i> L.	Fan Shi Lui (Guava)	(fruit) Avicularin, guajjaverin, arabinose ester, amritoside, crataegolic acid, luteioic acid, argamolic acid. ³³	Treat dysentery and acute gastrointestinal inflammation.
<i>Psoralea corylifolia</i> L.	Bu Gu Zi (Scuffy pea)	(fruit) Psoralen, angelicin, psoralidin, coryfolin, bavachinin, isobavachin, corylifolinin, d-backuchiol. ³³	Coronary vasodilating effect, increase the myocardial contraction, antibacterial, anticancer.
<i>Psychotria rubra</i> (Lour.) Poir. <i>P. serpens</i> L.	Jiu Jie Mu Ling Bi Long (Red psychotria)	(leaf, stem) Alkaloids. ⁸³	A remedy for contusions, relieve pain of bruises, externally for swellings.
<i>Pteris cretica</i> L. <i>P. ensiformis</i> Burmann <i>P. multifida</i> Poir <i>P. vittata</i> L. <i>P. wallichiana</i> Agardh.	Feng Wei Cao (Brake)	(whole plant) Starch, filicic acid, tannins. ⁸⁴	Treat arthritis, dysentery, diarrhea.

<i>Pterocarya stenoptera</i> DC	Feng Yang (Wing nut)	(stem, leaf, bark) Salicylic acid, kino-tannic acid, pyrocatechine acid, protocatechinic acid. ^{48,60}	Diuretic, used on wounds and ulcers, hemorrhage, suppuration.
<i>Pueraria lobata</i> (Willd.) Ohwi. <i>P. pseudo-hirsuta</i> Tang.	Ge Gen (Kudzu)	(root) Isoflavones, daidzin, diadzin-4, 7-diglucoside, daidzein, puerarin, xylopurarin, robinin, kaempferol- rhamnoside, fatty acids. ^{12,33,48}	Antispasmodic, hypotensive, and stabilizing blood pressure, treat angina pectoris.
<i>Pueraria montana</i> (Lour.) Merrill. <i>P. thunbergiana</i> Benth.	Shan Ge	(root, leaf) Glutamic acid, butyric acid, asparagin, adenine. ⁴⁹	Antipyretic, refrigerant.
<i>Pulsatilla ambigua</i> Turcz. ex Pritz. <i>P. cernua</i> (Thunb.) Bercht. et Opiz. <i>P. chinensis</i> (Bunge.) Regel <i>P. chinensis</i> (Bunge.) Regel var. kissii (Mandl.) S. H. Li et Y. H. Huang	Bai Tou Went (Pasque flower)	(root) Protoanemonin, anemonin, okinalin, okinalein, ranunculin, saponins, triterpenoids. ^{33,426}	Antiamebial, antibacterial, treat amebic dysentery, anticancer
<i>Punica granatum</i> L.	Shi Liu Pi (Pomegranate)	(pericarp, root bark) Pelletierine, isopelletierine, methylisopelletierine, methyl- pelletierine, pseudopelletierine, gallotannic acid, sitosterol, ursolic acid, maslinic acid, elegic and gallic acid. ^{33,450} This herb is toxic.	Purges intestinal parasites.
<i>Pyrethrum cinerariifolium</i> (L.) Trev. <i>P. sinense</i> DC	Chu Chong Jiu	(flower) Essential oil, adenine, choline, stachydrine. ⁴⁹	Sedative, refrigerant in headache, influenza.

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<i>Pyrola decorata</i> <i>P. incarnata</i> Fisch. ex DC <i>P. japonica</i> Klenze ex Alefeld <i>P. renifolia</i> Maxim. <i>P. rotundifolia</i> L.	Lu Xian Cao (Wintergreen)	(whole plant) Arbutin, homoarbutin, isohomoarbutin, chimaphillin, monotropin. ³³	Antibacterial, antiarrhythmic, lower blood pressure, hemostatic effect.
<i>Pyrrosia adnascens</i> (Sw.) Ching	Shu Long	(frond) Amygdalin, tannins, formic acid, tartaric acid, arbutin. ^{56,60,225}	Treat burns, a remedy for dysentery, diuretic, nerve pain.
<i>Pyrrosia lingua</i> (Thunb.) Farwell <i>P. petiolosa</i> (Chris.) Ching <i>P. shearereri</i> (Baker) Ching	Shi Wei (Felt fern)	(leaf) Isomangiferin, diplotene. ³³	Diuretic, treat urinary tract infections and urolithiasis.
<i>Quercus acutissima</i> Carr. <i>Q. aliena</i> Blume var. <i>acutiserrata</i> Maxim. ex Wenzig <i>Q. dentata</i> Thunb. <i>Q. liaotungensis</i> Koidz. <i>Q. mongolica</i> Fisch. ex Turcz. <i>Q. variabilis</i> Blume	Li Shu (Oak)	(stem bark, root) Lignin, cellulose, protein, pentosan, galactan. ⁵⁶	Promote absorption of tuberculous nodules, remedy for diarrhea, hypertrophy of the gastrointestinal tract, root makes a cleansing dressing for foul sores.
<i>Quisqualis grandiflora</i> Miq. <i>Q. indica</i> L. <i>Q. longifolia</i> Presl. <i>Q. loureiri</i> G. Don. <i>Q. pubescens</i> Burm. <i>Q. sinensis</i> Lindl.	Shi Jiun Zi (Rangoon creeper)	(fruit) Quisqualic acid, trigonelline. ^{33,235}	Treat internal parasites.
<i>Rabdosia lasiocarpus</i> (Hayata) Hara	Mao Guo Yan Ming Cao	(whole plant) Terpenes, oridonin, rubescensins, 5-fluorouracil. ⁵⁰ This herb is toxic.	For carcinomas of esophagus and stomach, antiarthritic, antidotal, febrifuge.

<i>Rabdosia rubescens</i> Hora	Dong Ling Cao	(aerial part) Rubescensine B, oridonin, tannic acid, ponididine, essential oils. ³³ This herb is toxic.	Treat esophageal cancer, malignant cancer.
<i>Ranunculus chinensis</i> Bunge.	Hui Hui Suan	(whole plant) Protoanemonin, anemonin, ranunculin. ⁴⁸	Relieve swelling, asthma, liver disorders, toothache, night blindness.
<i>Ranunculus japonicus</i> Thunb. <i>R. sarmentosa</i> Adams	Mao Liang (Japanese radish)	(whole plant) Anemonin, protoanemonin. ⁵⁰	Antitumor, sedative, bactericidal against bacillae of diphtheria, staphylococcus.
<i>Ranunculus sceleratus</i> L.	Shi Long Nei (Ground mulberry)	(whole plant) Ranunculin, anemonin, 5-hydroxytryptamine, serotonin, protoanemonin, pyrogallol tannins. ^{48,50} This herb is toxic.	Relieve swelling, pain, antitoxin, treat lymphatic gland disorders, antirheumatic.
<i>Ranunculus ternatus</i> Thunb.	Mao Zhua Chao	(leaf) Tannins, phenolic acids, volatile phenols, nonvolatile terpenic compounds, volatile carbonyl and S-containing compounds. ^{60,223}	Treat abscesses.
<i>Raphanus sativus</i> L.	Cai Fu (Radish)	(leaf, flower, seed, root) Raphanin. ⁵⁰	For asthma, cough, diarrhea, dysentery, eruptive fevers, bactericidal, antitumor.
<i>Rauvolfia verticillata</i> (Lour.) Baill.	Luo Fu Mu	(root) Reserpine, rescinnamine, beta-sitosterol, aricine, vellosimine, peraksine, serpentine, robinin. ^{33,39,510}	Treat hypertension, psychosis, schizophrenia.

Scientific Name	Common Chinese and (English) Name	Major Constituents and (sources)	Therapeutic Values*
<i>Rehmannia chinensis</i> Fisch. <i>R. glutinosa</i> (Gaertn.) Libosch.	Di Huang (Chinese foxglove)	(root) Catalpol, campesterol, rehmanning, polysaccharide. ^{16,33}	Lower blood sugar, immuno-antitumor activity.
<i>Rhamnus davurica</i> Pall. <i>R. davurica</i> Pall. var. <i>nipponica</i> Makino <i>R. parvifolia</i> Bunge.	Shu Li (Buckthorn)	(fruit, root, stem bark) Emodin, chrysophanol, kaempferol, rhamnodiastase, aloe-emodin. ^{48,308} This herb is slightly toxic.	Insecticidal, treat respiratory infection, cough, improve bowel movement.
<i>Rhaponticum uniflorum</i> Ludl.	Lour Lu	(root) Lactones, flavonoids, essential oils. ⁴⁸	Febrifuge, an emmenagogue, antidiarrhetic.
<i>Rheum officinale</i> Baill. <i>R. koreanum</i> Nakai <i>R. palmatum</i> L. <i>R. tanguticum</i> Maxim <i>R. undulatum</i> L.	Tai Huang (Rhubarb)	(rhizome) Anthraquinones, chrysophanol, emodin, physcion, aloe-emodin, rhein, chrysophenol, rheum tannic acid, gallic acid, catechin, bianthraquinonyl, sennosides (<i>R. undulatum</i> also contains rhaponticin). ^{1,33,236,510} This herb may be toxic.	Potent laxative, antibacterial, anthelmintic, anticancer, stimulate the large intestine and increase the movement of luminal contents toward the anus, resulting in defecation. Antispasmodic, choleric, hemostatic, diuretic, lower blood pressure, lower cholesterol level.
<i>Rhodea japonica</i> Roth.	Won Nian Qing	(leaf, rhizome) Rhodexin A, B, C, and D. ³³ This herb can cause vasoconstriction.	Improve heart muscle, used as an emetic, antibacterial.
<i>Rhodiola elongata</i> (Ledeb.) Fisch. & Meyer	Hong Gin Tian	(root) p-tyrosol, rhodiololide, flavonoids. ⁴⁸	A tonic, improve heart muscle, aphrodisiac.

<i>Rhododendron anthopogon</i> G. Don	Lie Xiang Du Juan (Rhododendron)	(leaf) Essential oils, saponins, quercetin, gossypetin. ³³	Antitussive, antiasthmatic.
<i>Rhododendron dauricum</i> DC	Man Shan Hong (Daurian rhododendron)	(leaf) Germacrone, flavonoid, farreol, feriol, quercetin, myricetin, anromedotoxin, rhodotoxin. ³³	Antitussive, antiasthmatic.
<i>Rhododendron molle</i> (Blume) G. Don	Ba Li Ma (Chinese azalea, yellow azalea)	(fruit) Rhomotoxin. ^{37,144} This herb is toxic.	Treats tachycardia, palpitations, hypertension.
<i>Rhododendron mucronatum</i> G. Don	Bai Du Juan Hua (white azalea)	(flower) Essential oil, germacrone, farreol, grayanotoxin, gossypetin, azaleatin, 5-methyl kaempferol, 5-methyl myricetin, syringic acid, dihydroquercetin, coumarins, phenolic acid, p-hydroxybenzoic acid, protocatechuic acid, vanillic acid. ⁴⁸	Treat cough, asthma, headache, respiratory infection.
<i>Rhododendron sinensis</i> Sw.	Yang Zhi Zu (Chinese rhododendron)	(flower) Andromedotoxin, veratrine alkaloids. ⁴⁹ This herb is toxic.	Sedative, analgesic, anesthetic in rheumatism.
<i>Rhus chinensis</i> Mill. <i>R. cotinus</i> L. <i>R. javanica</i> L. <i>R. osbeckii</i> Decne.	Wu Bei Zi (Chinese sumach)	(leaf) Gallotannic acid, gallic acid, resin, polysaccharides. ^{33,144} This herb is toxic.	Treat chronic intestinal infections, hematochezia, protoproctitis, skin infections, bleeding wounds.
<i>Rhus semialata</i> Murr.	Po Yen (Sumac)	(nutgalls on leaves) Tannins. ⁴⁹	As an astringent, styptic, treat diarrhea, hemorrhage.

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<i>Rhus verniciflua</i> Stokes	Gan Qi (Lacquer tree)	(exudation of the bark) Resinous oil urushiol. ⁴⁹ This herb may be toxic.	As hemolytic, emmenagogue, vermifuge.
<i>Ribes mandshurica</i> (Maxim.) Kom. <i>R. mandshurica</i> (Maxim.) Kom. f. subglabrum (Kom.) Kitag.	Shan Ma Zi	(fruit) Citric acid, malic acid, organic acids. ⁴⁸	Treat cold.
<i>Ricinus communis</i> L.	Bi Ma Zi (Castor bean)	(seed) Ricinine, ricinolein, olein acid, stearin acid, isoricinoleic acid, cytochrome C, castor oil. ^{33,427,450}	Cathartic, tumor inhibition.
<i>Rorippa indica</i> (L.) Hiern. <i>R. islandica</i> (Oeder) Borbas <i>R. montana</i> (Wall) Small	Han Cai (Nasturtium)	(whole plant) Alpha-phenylethylisothiocyante, gluconasturtin, rorifone, rorifamide. ^{33,235}	Antitussive, expectorant, diuretic, detoxicant.
<i>Rosa acicularis</i> Lindl. <i>R. amygdalifolia</i> Ser. <i>R. davurica</i> Pall. <i>R. davurica</i> Pall. var. <i>alpestris</i> (Nakai) Kitag. <i>R. koreana</i> Kom. <i>R. laevigata</i> Michx. <i>R. maximowicziana</i> Regel	Jin Jing Zi (Climbing rose)	(flower, fruit, root) Vitamins, teteracylic triterpene acids, flavonoids, ethyl beta- fructopyranoside, methyl-3-O- beta-glucopyranosyl-gallate, gallocatechin, epigallocatechin, epicatechin gallate, catechin, epicatchin, fatty acids. ^{48,251}	Stop vomitting blood, stomachache, relieve pain caused by nervous system, menstruation.
<i>Rosa chinensis</i> Jacq. <i>R. indica</i> Lindl.	Yue Je Hua (Tea rose)	(leaf, fruit, flower bud) Essential oils. ⁴⁹	For arthritis, boils, cough, hematuria, rheumatoid joint pains, circulatory stimulant.

<i>Rosa multiflora</i> Thunb.	Chen Wei (Multiflora rose, seven sisters rose)	(leaf, fruit, seed) Ascorbic acid, multiflorin, quercetol, kaempferol-3-glucoside, catechin. ⁵⁰	Anodyne, diuretic, laxative.
<i>Rosa rugosa</i> Thunb.	Mei Gui Hua (Rose)	(flower bud) Essential oils, l-citronellol, citral, geraniol, nerol, eugenol, cyanin, n-phenylethyl alcohol, citrol, nonyl aldehyde, l-linalool, l-p-menthene, nonacosane, menthene, paeonidin, bensaldehyde, phenylacetic acid, rosenoxide. ^{48,50}	Promote blood circulation, treat abscesses, blood diseases, dyspepsia, hematemesis, hepatitis, stomachache.
<i>Rubia akane</i> Nakai	Hong Gen Cao	(root) Alizarin, rubrierythrinic acid, purpurin. ⁸⁵	Treat rheumatism.
<i>Rubia chinensis</i> Regel & Maack <i>R. cordifolia</i> Thunb. <i>R. cordifolia</i> L. f. <i>pratensis</i> (Maxim.) Kitag. <i>R. mungista</i> Roxb. <i>R. sylvatica</i> (Maxim.) Nakai	Qian Cao (Madder)	(root) Rubierythrinic acid, alizarin, purpurin, pseudopurpurin, munjistin. ^{33,49}	Hemostatic, shorten the blood clotting time, antibacterial, antitussive, stimulate uterine contractions.
<i>Rubus coreanus</i> Miq. <i>R. crataegifolius</i> Bunge. <i>R. matsumuranus</i> Levelle & Vaniot <i>R. matsumuranus</i> Levelle & Vaniot var. <i>concolor</i> (Kom.) Kitag. <i>R. saxatilis</i> L.	Fu Pen Zi (Briar rose)	(fruit, root) Beta-sitosterol, stigmasterol, campesterol, cholestanol, ursolic acid, flavonoids. ⁴⁸	Diuretic, aphrodisiac, level infection, joint infection caused by arthritis.
<i>Rubus parvifolius</i> L.	Hong Mei Xiao	(root, stem) Flavonoids. ⁴⁸	Treat fever, throat pain, blood vomiting, liver and intestinal infections.

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<i>Rumex acetosa</i> L. <i>R. acetosella</i> L. <i>R. amurensis</i> Fr. Schm. <i>R. aquaticus</i> L. <i>R. gmelini</i> Turcz. <i>R. longifolius</i> DC <i>R. maritimus</i> L. <i>R. marschallianus</i> Rehb. <i>R. stenophyllus</i> Ledeb. var. ussuriensis (A. Los.) Kitag. <i>R. thyrsoflorus</i> Fingerh.	Suan Mo (Garden sorrel)	(whole plant) Vitexin, quercetin-3-galactoside, violaxanthin, vitamin C, emodin, chrysophanein, chrysophanol, nepodin, hyperin, physcion. ^{48,50}	Homeopathically for cramps, hemorrhage, sore throat, esophagitis, diuretic, treat blood vomiting.
<i>Rumex crispus</i> L. <i>R. japonicus</i>	Yang Ti Gen (Dock)	(root) Chrysophanein, nepodin. ⁴⁸	Treat ovarian bleeding, eczema, tuberculosis, sexually transmitted diseases.
<i>Rumex patientia</i> L. var. <i>callosus</i> Fr. Schm.	Tu Tai Huang	(root) Chrysophanol, emodin, physcion, sloeemodin, anthranol, emodin- monomethylether. ³³	Hemostatic, treat thrombopenia and uterus.
<i>Sagittaria sagittifolia</i> L.	Ci Gu (Arrow head)	(whole plant) d-raffinose, d-stachyose, d-verbascose, d-fructose, d-galactose, glucose, asparagine, vitamin B. ⁴⁸	Bruised leaves for bugbite, foul sores, scrofulous ulcers, antilactagogue.
<i>Salix babylonica</i> L. <i>S. matsudana</i> Koidz. <i>S. microstachya</i> Turcz. ex Trautv.	Liu Ye (Weeping willow)	(leaf, root) Saligenin glucoside, iodine, pyrocaledol, saponins. ³³	Antigoiter, antibacterial, treat tubercule bacilli.
<i>Salsola collina</i> Pall.	Zhu Mao Chao	(whole plant) Salsoline, salsolidine, betaine. ³³	Treat hypertension at early stage.

<i>Salvia chinensis</i> Benth. <i>S. pogonocalyx</i> Hance <i>S. przewalskii</i> Maxim. <i>S. miltiorrhiza</i> Bunge.	Shi Jian Chuan	(rhizome) Scutellarin, danshenols. ^{60,440,507}	Treat abdominal pain, arthritis, inflammation, metrorrhagia, uteritis, women's diseases, treat nasopharyngeal carcinoma.
<i>Salvia coccinea</i> L.	Zhu Chun Hua	(whole plant) Saluianin. ⁵⁶	Stop bleeding, cooling effect, stimulate sweating, relieve swelling.
<i>Salvia miltiorrhiza</i> Bunge.	Tan Seng (Red-rooted sage)	(root) Tanshinone, cryptotanshinone, isocryptotanshinone, miltirone, tanshinol, salviol, acetylsalicylic acid. ^{33,226,235,428,429}	Treat angina pectoris, cerebral atherosclerosis, diffusive intravascular clotting, thrombophlebitis, antioxidant.
<i>Salvia plebeia</i> R. Brown	Li Zhi Cao	(aerial part) Flavonoids, homoplantagin, hispidulin, eupafolin, essential oils. ⁴⁸	Diuretic, vermifuge, astringent.
<i>Sambucus coreana</i> Kom. & Klob. Alisova <i>S. latipinna</i> Nakai <i>S. manshurica</i> Kitag. <i>S. peninsularis</i> Kitag. <i>S. sieboldiana</i> (Miq.) Blume ex Graebner var. <i>miquelii</i> (Nakai) Hara <i>S. williamsii</i> Hance	Jie Gu Mu (Elder)	(leaf, flower, stem, root bark) Chlorogen acid. ⁶⁰	Diaphoretic, diuretic, carminative, treat arthralgia, fever.
<i>Sambucus formosana</i> Nakai	Hu Gu Xiao	(Leaf) Alpha-amyrin palmitate. ⁵⁶	Detoxicant, stop swelling, diuretic, relieve pain.

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<i>Sanguisorba officinalis</i> L. <i>S. grandiflora</i> (Maxim.) Makino <i>S. officinalis</i> L. <i>S. officinalis</i> L. f. <i>latifoliata</i> (Liou et C. Y. Li) Y. C. Chu <i>S. officinalis</i> L. var. <i>longa</i> Kitag. <i>S. officinalis</i> L. var. <i>longa</i> Kitag. f. <i>dilutiflora</i> Kitag. <i>S. parviflora</i> (Maxim.) Takeda <i>S. x tenuifolia</i> Fisch. ex Link	Zi Yu (Burnet)	(root) Oxalic acids, hydroxycinnamic acids, hydroxybenzoic acids, coumarins, anthocyanidines, anthraquinones, phytosterines, carotenes, ether oils, monoterpene, sesquiterpene glucosides, Zi Yu glucoside I, hydrocyanic acids, Zi Yu glucoside II, sanguisorbin A, sanguisorbin B, sanguisorbin C. ^{33,222}	Astringent effect to stop diarrhea and relieve chronic intestinal infection, duodenal ulcer and bleeding. Externally for eczema.
<i>Sansevieria trifasciata</i> Prain	Hu Wei Lan (Snake plant)	(leaf) Abamagenin, haemolytic saponin, organic acids. ⁵⁰	Leaf juice for earache. Treat itchiness.
<i>Santalum album</i> L. <i>S. myrtifolium</i> Roxb. <i>S. verum</i> L.	Tan Xian (Sandalwood)	(heartwood) Alpha-santalol, beta-santalol, alpha-santalene, beta-santalene, santene, alpha-santenone, alpha-santenol, santalone, santalic acid, teresantalic, isovaleraldehyde, teresantalol, tricycloekasantal, santalin, deoxysantalin, sinapyl aldehyde, caniferyl aldehyde, syringic aldehyde. ³³	Treat stomachache.
<i>Sapindus mukorossi</i> Gaertner	Wu Huan Shu (Bodhi seeds)	(flower, fruit, seed, root) Saponin, mukorosside. ^{60,450}	For conjunctivitis, eye diseases, removes freckles and suntan.

<i>Sapium sebiferum</i> (L.) Roxb. <i>S. discolor</i> Mueller-Arg.	Wu Jiu Shan Jiu (Chinese tallow tree, Chinese vegetable tallow)	(Leaf, root bark) Xanthoxylin, corilagin, sebiferic acid, lauric acid, margaric acid, palmitic acid. ^{33,50}	Antihypertensive activity, for constipation, poisoning, skin diseases.
<i>Saponaria officinalis</i> L. <i>S. vaccaria</i> L. (Syn. <i>Vaccaria segetalis</i>)	Wang Bu Liu Xing (Cow herb)	(seed, root) Saponarin. ⁶⁵ This herb is contraindicated in pregnancy.	For abscesses, furuncles, ulcers, scabies, mastitis, lymphangitis. Root is used to treat syphilis, glandular and chronic skin disease.
<i>Sarcandra glabra</i> (Thunb.) Nakai	Shong Jie Fong	(whole plant) Glucosides, essential oils, fumaric acid, succinic acid. ^{33,508,509}	Treat malignant tumors.
<i>Sargassum pallidum</i> (Harv.) Setch.	Hai Zao (Seaweed)	(seaweed) Iodine, alginic acid, algin, iron, potasium. ³³	Antigoiter, anticoagulant.
<i>Sargentodoxa cuneata</i> L.	Hong Teng	(leaf, stem) Acetylsalicylic acid. ^{50,226}	Antibacterial, antipyretic, activates blood flow.
<i>Saururus chinensis</i> (Lour.) Baillon	San Bai Cao (Lizard's tail)	(whole plant) Quercitrin, isoquercitrin, avicularin, hyperin, amino acids. ⁵⁵	To clean abscesses, antimalarial, diuretic, depurative, eliminative, parasiticide.
<i>Saussurea japonica</i> (Thunb.) DC <i>S. japonica</i> (Thunb.) DC f. <i>alata</i> (Chen) Kitag. <i>S. japonica</i> (Thunb.) DC var. <i>maritima</i> Kitag. <i>S. lappa</i> Clarke	Mu Ziang (Custus)	(root) Saussurine, phene, phellandrene. ⁴⁹	As a stomachic.
<i>Schisandra arisanensis</i> Hayata <i>S. sphenanthera</i> Rehd.	Taiwan Wu Wei Zi	(stem) ⁵⁶ Schisantherin A, B, C, D, E. ²³⁵	For blood vomiting, pain caused by cold, overtiredness, wounds.

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<i>Schisandra chinensis</i> (Turcz.) Baill.	Wu Wei Zi (Chinese magnolia vine)	(fruit, kernel) Schizandrin, deoxyschizandrin, schizandrol, schizandrer. ^{8,33}	Antitussive, a tonic. A tendency to lower SGPT caused by hepatitis.
<i>Schizonepeta multifida</i> (L.) Briquet <i>S. tenuifolia</i> (Benth.) Briquet	Jing Jie	(aerial part, spikes) Essential oils, d-menthone, d-limonene, campesterol, stigmaterol, beta-sitosterol, hesperidin. ^{33,214}	Diaphoresis, anti-inflammatory, analgesic, anti-pyretic, antispasmodic, anti-diabetic, lower body temperature, increase blood coagulation, anticonvulsive.
<i>Scopalia dulcis</i> L.	Tian Zhu Cao	(whole plant) Amellin, dulciol, hexacosanol, mannitol, beta-sitosterol, mannitol, tannins, hexacosanol, salicylic acid, scopanol, dulcilone, tetulinic acid, ifflaionic acid. ^{50,86}	A cough remedy, induce labor, used as an opium substitute. Therapeutic action in diabetes in some reports.
<i>Scopolia tangutica</i> Max.	San Long Zhi	(root) Hyoscyamine, scopolamine, anisodamine, anisodine. ^{33,42}	Treat shock caused by acute infectious diseases, cerebral thrombosis, acute spinal cord inflammation.
<i>Scrophularia buergeriana</i> Miq. <i>S. kakudensis</i> Franch var. <i>latisepala</i> (Kitag.) Kitag. <i>S. ningpoensis</i> Hemsl. <i>S. oldhami</i> Oliv. <i>S. puergeriana</i> Miq.	Xuan Seng (Figwort)	(root) Scrophularin, iridoid glycosides, 8-(O-methyl-p-coumaroyl)-harpagide, harpagoside, essential oils, flavonoids, p-methoxycinnamic acid. ³³	Lower blood pressure and blood sugar. A health strengthening agent.

<i>Scutellaria baicalensis</i> Georgi <i>S. grandiflora</i> Adams <i>S. lanceolaria</i> Miq. <i>S. macrantha</i> Fisch. <i>S. rivulararis</i> Benth. <i>S. viscidula</i> Bunge.	Huang Qin (Skullcap)	(root) Baicalein, baicalin, wogonin, beta-sitosterol, wognoside, 7-methoxy-baicalein, 7-methoxynorwogonin, skullcap flavones. ^{33,257,430,432}	Antibacterial, antiviral, an antioxidant, antipyretic, anti-inflammatory, antitumor, anti-neoplastic.
<i>Scutellaria formosana</i> Brown	Taiwan Huang Qin	(whole plant) Berberine, baicalin. ^{54,233,234}	Relieve swelling, pain, treat cold, wounds, liver infection.
<i>Securinega suffruticosa</i> (Pall.) Rehd.	Yi Ye Chan	(leaf, flower, twig) Securinine, allosecurinine, securinol, dihydrosecurinine, securitinine, phyllantidine. ³³ This herb may be toxic.	Treat infantile paralysis, neurasthenia, neuroparalysis.
<i>Securinega virosa</i> (Roxb.) Pax & Hoffmann	Bai Yin Shu	(leaf, root) Virosine, norsecurinine, dihydrosecurinine, virosecurinin, viroallosecurinine, norsecurinine, fluglein. ⁵⁶	Leaves used as a maturative, a detergent, it has antibiotic activity. Root to treat teeth and gum disease.
<i>Sedum aizoon</i> L.	Jing Tian San Qi	(whole plant) Sedoflorin, sedocaulin, sedocitrin, sedoheptulose, arbutin. ^{33,48}	Hemostatic, removes blood stasis.
<i>Sedum erythrostichum</i> Miq. <i>S. kamschaticum</i> Fisch. <i>S. verticillatum</i> L.	Jing Tian (Stonecrop)	(whole plant) Sedoheptulose, sarmentosin. ^{48,235}	Detoxicant, relieve swelling, stop bleeding and pain.
<i>Sedum formosanum</i> N. E. Brown	Taiwan Fo Jia Cao	(whole plant) Triterpenes, amyrenone, amyrenol. ⁵⁴	Treat diabetes, relieve swelling, pain, diarrhea, aid digestion.
<i>Sedum lineare</i> Thunb.	Fo Jia Cao (Linear stonecrop)	(whole plant) Sedoheptose, glucose, fructose. This herb is slightly toxic. ⁵⁰	Applied locally to burns and scalds, treat throat infection, diabetes.

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<i>Sedum sarmentosum</i> Bunge.	Chui Pen Chao or Jing Tian (Stringy stonecrop)	(whole plant) Sarmentoslin, dihydro-N-methyl-isopelletierine, N-methyl-2-(β -OH-propyl) piperidine, N-methyl-isopelletierine, dl-methylisopelletierine, dihydroisopelletierine. ^{33,48,50}	Antipyretic, detoxicant, diuretic, treat hepatitis.
<i>Selaginella involvens</i> (Sw.) Sprengel <i>S. doederleinii</i> Heironyus	Shi Juan Bai Shi Shang Bai	(whole plant) Alkaloids, trehalose, d-glucose. ⁵⁵	A febrifuge, antihemorrhagic, detoxicant in molar cancer, for cough, gravel, rectum, blood thinning property, amenorrhea.
<i>Selaginella tamarisina</i> (Beauv.) Spring	Juan Bai	(whole plant) Sotetsuflavone, amentoflavone, apigenin, trehalose, hinokiflavone, isocryptomerin, sotetsuflavone. ^{33,48}	Treat hematurai, dysmenorrhea, stops postpartum bleeding.
<i>Semiaquilegia adoxoides</i> (DC) Mak.	Tian Kui Zi	(root) ^{50,60} No information is available in the literature.	For scabby skin, urinary disorders, an insecticide.
<i>Senecio argunensis</i> Turcz. <i>S. nemorensis</i> L. <i>S. scandens</i> Buch-Ham ex D. Don	Qian Li Guang (Ragwort)	(aerial part) Lavoxanthin, macrophylline, cynarin, chlorogenic acid, chrysanthemaxanthin, sarracine. ^{33,48}	Antibacterial, antiplasmodial, treat acute bacterial dysentery and bronchitis.

<i>Senecio campestris</i> (Retz.) DC	Gou Shi Cao (Dog's tongue)	(whole plant) Alkaloids. ⁴⁸ This herb may be toxic.	Depress leukemia, detoxicant, diuretic, insectisidic.
<i>Senecio cannabifolius</i> Lessing	Huan Hun Cao (Groundsel)	(whole plant) p-hydroxyacetophenone, arbutin. ⁴⁸	Treat heart disease, respiratory infection, sexually transmitted diseases.
<i>Senecio vulgaris</i> L.	European Qian Li Guang (German ivy)	(aerial part) Senecionine, inulin. ⁵⁸	Used in ointment on hemorrhoids and swellings, lower blood pressure, laxative.
<i>Sesamum indicum</i> L.	Wu Ma (Sesame)	(seed) Olein acid, linolein acid, palmitine acid, stearin acid, myristic acid, sesamin, sesamol, pentosan, phytin, lecithin, choline, calcium oxalate, chlorogenic acid, vitamin A, vitamin B. ⁴⁹	A nutrient, laxative, hyperchlorhydria, a lenitive in scybalous constipation, as nutrient tonic in degenerative neuritis, neuroparalysis.
<i>Sesbinia grandiflora</i> (L.) Persoon	Da Hua Tian Qing	(bark, root) Agathin, xanthoagathin. ⁵⁷	A tonic, antipyretic, for gastric troubles, colic with diarrhea, and dysentery.
<i>Sesbinia javanica</i> (L.) Persoon	Tian Qing	(whole plant) Pentosan, d-galactose, d-mannose.	Diuretic, detoxicant, stop pain.
<i>Sesbinia sesbin</i> (L.) Merrill.	Indian Tian Qing	(root, leaf, bark, seed) ⁵⁷ Saponins, triterpene glycosides, steroid glycosides, glycoalkaloids, kaempferol trisaccharide. ^{342,343,344}	Diuretic, irregular menses, externally for bug bites, anti- tumor.

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<i>Silene jenseensis</i> Willd. <i>S. jenseensis</i> Willd. f. <i>dasyphylla</i> (Turcz.) Schischk. <i>S. jenseensis</i> Willd. f. <i>parviflora</i> (Turcz.) Schischk. <i>S. jenseensis</i> Willd. f. <i>setifolia</i> (Turcz.) Schischk. <i>S. jenseensis</i> Willd. var. <i>oliganthella</i> (Nakai ex Kitag.) Y. C. Chu <i>S. jenseensis</i> Willd. var. <i>viscifera</i> Y. C. Chu	Han Mai Bin Cao	(root) 6,8-di-C-galactopyranosylapigenin, 6-C-galactopyranosyl-isoscutellarein, essential oil. ⁸⁴	For fever, kala-azar, malaria.
<i>Silybum marianum</i> (L.) Gaertn.	Shui Fei Ji	(fruit) Silybin, silymarin, silydiamin, silyckristin, dehydrosilybin, silybinomer. ³³	Maintain normal functioning of the liver, promote the regeneration of injured hepatic cells, increase glycogenesis and nucleic acid metabolism.
<i>Sinapis alba</i> L.	Bai Jie (Mustard)	(leaf) Arachidic acid, erucic acid, lignoceric acid, linoleic acid, myrosinase, phosphatase, sinalbine. ⁵⁰	Carminative, toothache, seal eruptions and ulcers.
<i>Sinomenium acutum</i> (Thunb.) Rehd. et Wils. <i>S. diversifolium</i> Diels.	Japanese Fuag Ji, Qing Teng	See <i>Cocculus diversifolius</i>	

<i>Sinomenium acutum</i> var. <i>cinereum</i>	Qing Feng Teng	(stem) Sinomenine, disinomenine, magnoflorine, acutumine, sinactine, isosinomenine, tuduranine, sinoacutine. ³³	Analgesic, anti-inflammatory, lower blood pressure.
<i>Smilacina japonica</i> A. Gray	Lu Yao	(root) ⁴⁸ No information is available in the literature.	For arthritis, relieve swelling and pain, aphrodisiac, regulate monthly period, breast gland infection.
<i>Smilax china</i> L. <i>S. nipponica</i> Miq. subsp. <i>manshurica</i> Kitag. <i>S. riparia</i> DC subsp. <i>ussuriensi</i> (Regel) Kitag. <i>S. sieboldii</i> Miq.	Tu Gu Ling (China root)	(root) Crystalline saponin smilacin, tannins, resin, tigogenin, neotigogenin, laxogenin. ^{48,49}	As alternative, diuretic in syphilis, gout, skin disorders, rheumatism.
<i>Solanum aculeatissimum</i> Jacquin	Xiao Ying Qie	(fruit) Solasonine, beta-solamargine, solasurine. ⁵⁵	For cough, asthma, diuretic, pain.
<i>Solanum biflorum</i> Loureiro	Hong Si Xian	(whole plant) Glycoside alkaloids, steroid alkaloid glycosides. ^{55,360,361}	Detoxicant, for cough, swelling, dog bites.
<i>Solanum capsicastrum</i> Link.	Mao Dong San Hu	(leaf) Solanocapsine. ⁵⁵	With cooling effect, relieve swelling, treat liver inflammation.
<i>Solanum incanum</i> L.	Huang Shui Jia	(root) Beta-sitosterol, D-glucose, ursolic acid, alkaloids, solasodine, solamargine. ⁵⁵	Treat liver inflammation, lymphatic gland, a detoxicant.

Scientific Name	Common Chinese and (English) Name	Major Constituents and (sources)	Therapeutic Values*
<i>Solanum indicum</i> L.	Niu Zi Qie (Indian nightshade)	(root, leaf, fruit) Diosgenin, solanidine, solanine, solasodine, alkaloids, carbohydrases, maltase, saccharase, melibiase. ⁵⁰	Antidote for poison, for urinary disease.
<i>Solanum lyratum</i> Thunb. <i>S. melongena</i> L.	Bai Ying (Eggplant)	(root, leaf, flower, fruit) Trigonelline, stachydrine, choline, solanine, nasunin, shisonin, delphinidin-3-monoglucoside, adenine, imidazolyloethylamine, solasodine, arginine glucoside. ⁴⁸	For arthritis, respiratory disorder, swelling, cough, diarrhea, blood in the urine.
<i>Solanum nigrum</i> L.	Long Kui (Black nightshade)	(whole plant) Solanigrines, saponin, riboflavin, nicotinic acid, vitamin C. ³³	Antibacterial, diuretic, treat mastitis, cervicitis, chronic bronchitis, dysentery.
<i>Solanum pseudo-capsicum</i> L.	Dong San Hu	(root) Solanocapsine. ⁵⁵	A detoxicant, relieve pain. Treat tuberculosis, pneumonia.
<i>Solanum verbascifolium</i> L.	Shan Yan Cao (Tobacco nightshade, turkey berry)	(root) Solasonine. ⁵⁴	Treat dysentery, intestinal pain, and fever.
<i>Solidago canadensis</i> L.	N. Am. Yi Zhi Huang Hua	(whole plant) Cadinene, quercitrin. ⁵⁷	Antibacterial, treat infection, stop bleeding, throat swelling.

<i>Solidago dahurica</i> (Kitag.) Kitag. <i>S. pacifica</i> Juzepczuk. <i>S. virgaurea</i> L.	Yi Zhi Huang Hua (Golden rod)	(whole plant) Caffeic acid, chlorogenic acid, cyanidin-3-glucoside, flavonoids, astragalín, cyanidin-3-gentiobioside, kaempferol-rhamno glucoside, hydroxycinnamic acid, quinic acid, polygalacic acid. ^{48,50}	Decoagulant, carminative, for bladder ailments, cholera, diarrhea, dysmenorrhea.
<i>Sonchus arvensis</i> L. <i>S. oleraceus</i> L.	Ju Shi Cai (Sow thistle)	(whole plant) Inositol, lactucerosol, mannitol, taraxasterol, palmitic acid, stearic acid, tartaric acid, lactucerosols. ⁵⁰	Used as an insecticide, asthma, bronchitis, cough, ophthalmia, insomnia, pertussis, swellings and tumors.
<i>Sophora flavescens</i> Ait. <i>S. alopecurosides</i> L.	Ku Seng Gu Dong Zi	(root) d-oxymatrine, d-sophoranol, cytisine, l-anagryrine, l-baptifoline, l-methylcytisine, trifolirhizin, d-matrine, norkurarínone, kuraridin. ³⁶	Anthelmintic, antipruritic, treats irregular heart beat, eczema, acute dysentery, trichomoniasis.
<i>Sophora japonica</i> L.	Huai Hua (Japanese pagoda tree)	(flower bud) Rutin, sophoradiol, genisteine, sophoricoside, sophorabioside, sophoraflavonoloside, isorhammetin. ^{33,252}	Antihemostatic, increase capillary resistance and decreasing capillary fragility and permeability.
<i>Sophora subprostrata</i> Chun et T. Chen	Shan Dou Gen	(root) Matrine, oxymatrine, anagryrine, methylcytisine, sophoranone, sophoranochromene, sophoradin, daidzein. ³³ This herb is toxic.	Against tubercle bacilli, treat intractable ulcerative colitis, antiarrhythmic, anticancer, promotes leukocytosis.
<i>Sophora tomatosa</i> L.	Ling Nan Huai	(seed, leaf, root) Cytisine (sophorine). ⁸⁸	For diarrhea, cholera, colic, dysentery.

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<i>Sorbus alnifolia</i> (Sieb. & Zucc.) K. Koch <i>S. alnifolia</i> (Sieb. & Zucc.) K. Koch var. <i>lobulata</i> Rehd. <i>S. amurensis</i> Koehne <i>S. pohuashanensis</i> (Hance) Hedl. var. <i>manshuriensis</i> (Kitag.) Y. C. Chu.	Shui Yu	(stem, bark, fruit) Fatty acids, starch, essential oils, flavonoids, isochlorogenic acid, parasorbic acid. ⁴⁸	For stomach infection and ache, swellings, cough, vitamin deficiencies.
<i>Spatholobus suberectus</i> Dunn.	Ji Xue Teng	(stem) Friedelin, taraxerone. ³³	Slow the heart rate, lower blood pressure.
<i>Sphenomeris chusana</i> (L.) Copel.	Wu Ju	(whole plant) Sphenone A, phenanthrene-1, 4-quinone. ^{60,229}	Treat feverish conditions and bladder difficulties.
<i>Spilanthes acmella</i> (L.) Murray <i>S. acmella</i> L. var. <i>oleracea</i> Clarke	Tian We Cao Liu Shen Cao	(whole plant) Alpha-amyrenol, beta-amyrenol, myricyl, stigmasterol, sitosteryl-o- β -d-glucoside, spilanthol. ⁵⁸	Treat aphrodisiac, depurative, diuretic, ophthalmic, tonic.
<i>Spiraea salicifolia</i> L. <i>S. salicifolia</i> L. var. <i>grosseserrata</i> Liou & Liou fil. <i>S. salicifolia</i> L. var. <i>oligodonta</i> Yu	Xiu Xian Jiu (Bridal wreath)	(whole plant) Flavonoids, carotenoids, vitamin C, alkaloids, seed oil. ³³	Diuretic, treat cough, pain, monthly period, constipation.
<i>Spirodela polyrhiza</i> Schleid.	Fu Ping (Duckweed fern)	(whole plant) Apigenin-7-O-glucoside, apigenin-8-C-glucoside. ^{48,50}	Carminative, diaphoretic, diuretic.

<i>Stachys chinensis</i> Bunge. ex Benth. <i>S. baicalensis</i> Fisch. ex Benth. <i>S. baicalensis</i> Fisch. ex Benth. var. angustifolia Honda <i>S. japonica</i> Miq.	Shui Su (Camphor mint)	(whole plant) Coumarin, alkaloids, stachydrine chloride. ⁴⁸	Treat cold, influenza.
<i>Stauntonia hexaphylla</i> Dence <i>S. chinensis</i> Bunge.	Ye Mu Gua	(fruit, stem, root) Stauntonin. ^{50,440}	Antirheumatic, diuretic, treat nasopharyngeal carcinoma.
<i>Stellaria alsine</i> Grimm var. undulata (Thunb.) Ohwi	Tian Peng Cao (Starwort)	(whole plant) ⁵⁰ No information is available in the literature.	For colds, pimples, snakebite, traumatic injuries. It is a carminative, lactagogue.
<i>Stellaria media</i> (L.) Cyrillo	Fan Lu (Chickweed)	(whole plant) r-linolenic acid, octadecatetraenoic acid. ⁴⁸	A postpartum depurative, emmenagogue, lactagogue, promote circulation, treat mucus disorder. Externally for rheumatic pains, ulcers, wounds.
<i>Stemona japonica</i> (Bl.) Miq. <i>S. tuberosa</i> Lour.	Bai Bu Dei Ye Bei Bu	(root) Stemonine, isostemonidine, stemonidine, protostemonine. ^{33,50}	Suppress excitation of the respiratory center and inhibit the cough reflex. Antitubercular, antibacterial, antifungal.
<i>Stephania cepharantha</i> Diels.	Jin Xian Diao Wu Gui	(root) Cepharanthine, isotetrandrine, cycleanine, cepharanoline, berbamine, cepharamine, homoaromoline. ^{33,43}	A diuretic, antiphlogistic, antirheumatic, analgesic, anti- inflammatory.

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<i>Stephania hernandifolia</i> (Willd.) Walp.	Qian Jin Teng	(root) dl-tetraandrine, fangchinoline, 4-dementhyl-hasubanonine, isochondrodendrine, hernandine, stephisoferuline, hernandoline, hernandolinol, 3-O-demethylhernandifoline. ³³	Treat nephritic edema, urinary tract infection, rheumatic arthritis, sciatic neuralgia.
<i>Stephania japonica</i> (Thunb.) Miers.	Qian Jin Teng	(root) Stephanine, protostephanine, epistephanine, hypoepestephanine, homostephanoline, metaphanin, prometaphanin, hasubanonine, insularine, cyclanoline, steponine stephanoline, stepinonine. ³³	Treat nephritic edema, urinary tract infection, rheumatic arthritis, sciatic neuralgia.
<i>Stephania sinica</i> DC	Hua Qian Jin Teng	(root) l-tetrahydropalmatine, stepharotine, stepharine, tuduranine. ³³	Analgesic effect, treat stomachache, neuralgia, toothache.
<i>Stephania tetrandra</i> q Moore	Fang Ji or Han Fang Ji	(root) d-tetraandrine, fangchinotone, cyclanoline. ^{33,38} This herb may cause kidney failure. ³⁹²	A diuretic, antiphlogistic, antirheumatic, analgesic, anti-inflammatory.
<i>Stevia rebaudiana</i> (Bertoni) Hemsl.	Tian Jiu (Stevia)	(stem, leaf) Stevioside, steviolbioside, rebaudiosides, austroinulin. ⁵⁷	Treat diabetes, tonic, lower blood pressure.

<i>Strophanthus divaricatus</i> (Lour.) Hook. et Arn.	Yang Guo Nau	(seed) Divaricoside, divostroside, sinoside, sinostroside, caudoside, caudostroside, sarmutoside. ³³ This herb is toxic.	Cardiac stimulating action causing an increase of myocardial contractility, slow the heart beat.
<i>Strychnos nux-vomica</i> L.	Fan Mu Pen (Strychnine)	(seed) Strychnine, monomeric tertiary indole alkaloids, brucine. ^{50,144,504} This herb is highly toxic.	Treat neurasthenia, aphrodisiac, vasomotor stimulation, regulate blood pressure, treat nerve diseases.
<i>Strychnos pierriana</i> L.	Ma Qian Zi	(seed) Strychnine, brucine, vomicine, pseudostrychnine, pseudobrucine, novacine. ³³	Increase central nervous system reflex stimulation.
<i>Styrax suberifolus</i> Hook. et Arnott.	Hong Pi	(root, leaf) ⁵⁵ No information is available in the literature.	Stomachache, pain caused by arthritis.
<i>Styrax tonkinensis</i> Pierre. <i>S. benzoin</i> Dryand	An Xi Xian (Styrax)	(leaf) Sumaresinolic acid, coniferyl cinnamate, styracin, vanillin, alpha- phenylpropyl cinnamyl cinnamate, balsamic acid. ^{33,50}	As an aromatic stimulant, for aphrodisiac, an astringent.
<i>Swertia diluta</i> (Turcz.) Benth. et Hook. f. <i>S. mileensis</i> L.	Qing Ye Dan	(whole plant) Oleanolic acid. ³³	Treat acute icteric hepatitis.
<i>Swertia pseudochinensis</i> Hara	Dang Yao	(whole plant) Swertiamarin, swertisin, methyl- bellidifolin, homoorentin, methyl- swertianin, isovitexin, bellidifolin, decussatin, swertifrancheside. ³³	Choleretic, improve hepatic function. Treat acute icteric hepatitis, chronic liver disease.

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<i>Syringa dilatata</i> Nakai <i>S. oblata</i> Lindley <i>S. oblata</i> Lindley var. <i>alba</i> Hort. ex Rehd. <i>S. reticulata</i> (Blume) Hara var. <i>mandshurica</i> (Maxim.) Hara <i>S. suspensa</i> Thunb. (Syn. <i>Forsythia suspensa</i>) <i>S. vulgaris</i> L.	Lian Qiao	(bark, fruit) Syringin, 3,4-dihydroxyphenethyl alcohol, saponons, phillyrin. ⁴⁹	Antipyretic, antiphlogistic in infectious fevers, suppurative inflammation, phlegmon, variola, erysipelas, measles.
<i>Syzygium aromaticum</i> (L.) Merr. & Perry	Ding Xian (Clove)	(clove bud) Phytosterols, campesterol, crataegol acid, sitosterols, stigmaterol, niacin, ascorbic acid. ⁵⁰	Antiemetic, carminative, stimulant, treat diarrhea, halitosis, nasal polyps, uterine fluxes, sterility, toothache.
<i>Syzygium cuminii</i> (L.) Skeels	Hei Nan Pu Tao	(bark, leaf) Betulinic acid, eugianin, friedelin, epifriedelanol, beta-sitosterol, acetyl oleanolic acid, ellagic acid, myricetin, cyanidin rhamnoglucoside, petunidin glucoside, maluidin glucoside, jambolin. ⁵⁷	Cooling effect, relieve itchiness, stop bleeding, infection, diarrhea.
<i>Tagetes erecta</i> L.	Chou Fu Yong (Marigold)	(leaf, flower) Alpha-terthienyl, d-limonene, l-linalool, tagetone, n-nonyl aldehyde. ⁵⁰	Treat sores and ulcers, cold, conjunctivitis, cough, mastitis, mumps.

<i>Tagetes patula</i> L.	Wan Shou Jiu (French marigold)	(whole plant) Tagetone, linalool, limonene, linalylacetate, ocimene, patuletin, patulitrin, cyanidin diglycoside, quercetagetin, quercetagetin, helenien, polythienyls. ⁵⁰ This herb is toxic.	For coughs and dysentery.
<i>Taliumm triangulare</i> Willd.	Tu Ren Shen	(root) ⁶⁰ No information is available in the literature.	A tonic for general weakness, treat inflammation, swelling.
<i>Tamarindus indicus</i> L.	Luo Huang Zi (Tamarind)	(stem, fruit) Tannins, beta-amyrin, campesterol, beta-sitosterol, palmitic acid, oleic acid, linoleic acid, eicosanoic acid, arabinose, xylose, galactose, glucose, uronic acid, pectins, mucilage, vitamin B. ^{60,216}	Diuretic, purgative, for liver disorders, inappetence, digestion, and hypoglycemic, hypocholesterolemic properties.
<i>Tamarix juniperina</i> Bunge.	Shen Liu (Tamarisk)	(young shoot, flower, gum) Quercetin-monomethylether. ⁴⁸	Treat cold, blood vomitting, respiratory infection.
<i>Taraxacum formosanum</i> Kitamura	Taiwan Pu Gong Ying	(aerial part) Taraxasterol, choline, inulin, pectins. ⁵⁴	Cure for swollen breasts, a diuretic, treat fever, tracheatis, hepitis, tonsillitis.

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<i>Taraxacum mongolicum</i> Hand-Mazz. <i>T. sinicum</i> Kitag.	Pu Gong Ying (Mongolian dandelion)	(aerial part) Taraxasterol, taraxerol, taraxol, taraxacerin, taraxacin, cryptoxanthin, zeaxanthin, lutein antheraxanthin, violaxanthin, neoxanthin, myristic acid, lauric acid, palmitic acid, stearic acid, beta-sitosterol, beta-amyrin, cysteic acid, cysteine, cystine, serine, glycine, asparagine, lysine, alanine. ^{33,48}	Antibacterial, antispasmodic, antiviral, a choleric agent.
<i>Taraxacum officinale</i> G. H. Weber ex Wigg.	Western Pu Gong Ying (Dandelion)	(root) Inulin, essential oils, choline, hydroxycinnamic acids, carotenes, ether oils, monoterpene, oxalic acids, hydrocyanic acids, sesquiterpene glucosides, flavonoids, hydroxybenzoic acid, coumarins, anthocyanidines, anthraquinones, phytosterines, squalene, cerylic alcohol, arabinose, vitamins A, B, C. ^{88,222,450}	Sudorific, stomachic, tonic, a remedy for sores, boils, ulcers, abscesses, snakebites.
<i>Taxus cuspidata</i> Sieb. et Zucc. <i>T. chinensis</i> (Pily) Rehd. <i>T. yunnanensis</i> Cheng et L. K. Fu	Zhu Shan, Huang Dao Shan (Yew tree)	(bark, leaf) Taxol, baccatin, cephalomannine, 10-deacetylbaccatin, yunnanxana, abeotaxanes, taxinine E. ³³	Antineoplastic, anticancer, treat ovarian carcinoma.
<i>Tephrosia purpurea</i> Persoon	Hui Mao Dou	(root) Rotenone, degueline, tephrosin, rutin, quercetin glucoside. ⁵⁷	Used as a cordial and a stomachic, a deobstruent, emmenagogue.

<i>Terminalia chebula</i> Retz.	He Zi (Myrobalans)	(leaf, fruit) Chebolic acid, fatty oil, tannins, ellagic acid, chebulinic acid. ^{49,450}	An astringent in diarrhea, enterorrhagia, metrorrhagia, metritis, leukorrhea.
<i>Tetragonia tetragonoides</i> (Pall.) O. Kuntz.	Fan Xing	(leaf, stem) ⁶⁰ Phosphatidylcholine, phosphatidyl- ethanolamine, phosphatidyl-serine, phosphatidyl-inositol, tetragonin, trigonelline, choline, adenine. ⁵⁶	A remedy for carcinoma, treat ventriculi, stomach ulcers, leukemia.
<i>Thalictrum aquilegifolium</i> L. var. <i>sibiricum</i> Regel & Tiling <i>T. baicalense</i> Turcz. <i>T. baicalense</i> Turcz. f. <i>levicarpum</i> Tamura <i>T. fauriei</i> Hayata <i>T. petaloideum</i> L. <i>T. petaloideum</i> L. var. <i>supradecompositum</i> (Nakai) Kitag. <i>T. simplex</i> L. <i>T. simplex</i> L. var. <i>affine</i> (Ledeb.) Regel <i>T. simplex</i> L. var. <i>brevipes</i> Hara <i>T. squarrosum</i> Steph. ex Willd. <i>T. thunbergii</i> DC	Tang Song Cao (Meadow)	(root) Flavonoids, fetidine, phetidine, thalfoetidine, thalpine, thalpinine, rhalidasine, hernandezine, thelic simidine, coptisine, oxypurpureine, berbamine, isotetrandrine, alpha- allocryptopine, oxycanthine, isothalidenzine, glaucine, berberine, palmatine, jatrorrhizine, protopine, cryptopine, thalidezine. ^{48,53}	Anticancer activity, treat fever, nausea, thirst, hemorrhages, and conjunctivitis.
<i>Thalictrum foetidum</i> L.	Taiwan Tang Song Cao	(whole plant) Thalfoetidine, thalpine, thalpinine, fetidine, flavonoid glycoside, saponin, cardiac glucoside, berberine, magnoflorine, palmitine, jatrorrhizine. ⁵⁶	Lower blood pressure, treat hepatitis, cold, arthritis, intestinal infection.

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<i>Thalictrum ichangense</i> Lecoyer ex Oliver <i>T. glandulissimum</i> L.	Ma Wei Lian	(rhizome) Berberine, palmatine, jatrorrhizine, talictrine, thalidasine, thalicarpine, saponaretin. ³³	Antibacterial, treat influenza, childhood fevers, measles, malaria.
<i>Thea assamica</i> Mast <i>T. bohea</i> L. <i>T. cantoniensis</i> Lour. <i>T. chinensis</i> Sims. <i>T. cochinchinensis</i> Lour. <i>T. sinensis</i> L. <i>T. viridis</i> Link.	Cha (Tea)	(leaf) Caffeine, theophylline, tannic acid, theobromine, xanthine, polyphenols. ^{33,47,405,406,409}	Diuretic effect, increase renal blood flow, stimulate central nervous system, antitumor, prevent lung cancer.
<i>Thesium chinense</i> Turcz.	Bai Rui Cao	(whole plant) Flavonoids, mannitol. ⁴⁸	Breast gland, lung, throat, tonsil infections, fever caused by cold, relieve swelling.
<i>Thevetia peruviana</i> (Pers.) K. Schum.	Huang Hua Jia Zhu Tao	(seed, flower, leaf) Thevetin A and B, theveside, peruvosides, vertiaflavone, theviridoside. ³³	Tranquilizing effect, treat congestive heart failure.
<i>Thlaspi arvense</i> L.	Jin Moa (Field pennycress)	(aerial part) Sinigrin, fatty acids, essential oil, myrocin, myrosinase. ⁴⁸	For ophthalmia, lumbago, an antidote, antipyretic, improves circulation, diaphoretic.
<i>Thuja chinensis</i> Hort. <i>T. koraiensis</i> Nakai <i>T. orientalis</i> L. (Syn. <i>Biota orientalis</i> , <i>Platycladus orientalis</i>)	Ce Bai Ye (Oriental arborvitae)	(seed kernel, young leaf) Thujene, thujone, fenchone, pinene, caryophyllene, aromadendrin, quercetin, myricetin, hinokiflavone, amentoflavone. ^{48,353}	Antipyretic, astringent, diuretic, for dysmenorrhea, epistaxis, gonorrhea, metrorrhagia.

<i>Thymus amurensis</i> Klokov <i>T. disjunctus</i> Klokov <i>T. kitagawianus</i> Tscherneva <i>T. komarovii</i> Sergievskaja <i>T. przewalskii</i> (Kom.) Nakai <i>T. quinquecostatus</i> Celakovsky	Di Jiao	(aerial part) Scutellarein heteroside, luteolin-7-glucoside, apigenin, volatile oils, carvacrol, p-cymene, p-terpinene, alpha-terpineol, zingiberene, borneol, ursolic acid, thymol. ⁴⁸	Treat high blood pressure, stomachache, intestinal infection, cough, digestion, diarrhea.
<i>Thymus vulgaris</i> L.	She Xiang Cao (Thyme)	(aerial part) Tymol, terpinen-4-ol, pinenes, camphene, myrcene, alpha-phellandrene, limonene, 1,8-cineol, p-cymene, linalool, linalyl acetate, bornyl acetate, alpha-terpinyl acetate, alpha-terpineol, borneol, citral, geraniol, carvacrol. ^{50,510}	Anthelmintic, antispasmodic, carminative, diaphoretic, sedative. Treat bronchitis, cancer, diarrhea, gastritis, rheumatism, skin ailments.
<i>Tilia amurensis</i> Rupr. <i>T. mandshurica</i> Rupr. & Maxim. <i>T. mongolica</i> Maxim.	Zi Duan (Linden)	(flower, stem, leaf) Flavonoids, essential oils. ⁴⁸	Promote sweating, bactericidal, treat cold, kidney infection, throat infection.
<i>Tinnevelly senna</i> O. Kuntz. (Syn. <i>Cassia angustifolia</i>)	Fan Xie Ye	See <i>Cassia angustifolia</i>	
<i>Trachelospermum jasminoides</i> Lam.	Luo Shi (Star jasmine)	(stem) Tracheloside, nortracheloside, matairesinoside. ³³	Relieve muscle rigidity, remove blood stasis, stop bleeding.
<i>Trachycarpus wagnerianus</i> Beccari <i>T. fortunei</i> H. Wendl.	Zong Lu	(seed) Mannosan, galactan, saccharose, tannins. ⁴⁹	As astringent, hemostatic.
<i>Trapa bispinosa</i> Roxb.	Ling (Water chestnut)	(fruit) Ergostatetraen, dihydrostigmast, beta-sitosterol, amylose, protein. ⁴⁸	Treat stomach ulcer, diarrhea, breast, ovary, gullet cancer.
<i>Tribulus terrestris</i> L.	Ci Hi Li (Calthrop)	(fruit) Glycosides tribuloside, astragaline, harmene, harmine. ³³	Anticonvulsive, a spasmolytic agent.

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<i>Trichosanthes kirilowii</i> Maxim. <i>T. uniflora</i> Hao	Gua Lou, Tian Hua Fen (Chinese snakegourd)	(root, seed) Trichosanthin, polysaccharides, saponin, organic acids, resin, protein (TAP29). ^{33,261} This herb is highly toxic.	Treat pectoris and acute mastitis. Antitussive, as an expectorant, anti-HIV activity.
<i>Trifolium pratense</i> L. <i>T. repens</i> L.	Che Zhou Cao (Red clover)	(whole plant) Phytoestrogens, genisteine, iodine, daidzein, formononetin. ^{33,48,221}	Stimulating effect on female reproductive organs.
<i>Trigonella foenum-graecum</i> L.	Wu Ru Ba (Fenugreek)	(seed) Trigonelline, saponins, flavone derivatives including vitex, saponaretin, isoorientin, vitexin-7-glucoside. ³³	Reduce plasma cholesterol levels, support hepatic and renal functions.
<i>Trillium camschatcense</i> Ker-Gawler	Yan Ling Cao	(root) Trillin, trillarin, diosgenin, cyasterone, ecdysterone. ⁴⁸	Improve blood circulation, detoxicant, treat headache, high blood pressure, stop bleeding.
<i>Tripterygium hypoglaucum</i> (Levl.) Hutch.	Shan Hai Ton or Zi Jin Pi	(whole plant) Alkaloides, triptolide. ³³	Anti-inflammatory, antismelling.
<i>Tripterygium wilfordii</i> Hook. f.	Lei Gong Teng (Yellow vine)	(root) Triphchlorolide, celastrol, triptein, wilfordine, triptophenolide, triptonide, triptolide, triptiolide, triptolidenol, triphchlorolide, triptolide, triptioltonide, trihydroxytriptolide, triptolide. ^{33,241,390,431,443} This herb is toxic with adverse effects on gastrointestinal tract.	Antifertility effect on male, anti-inflammatory, antitumor, treat cancer, antirheumatoid arthritis, suppressive effects.

<i>Triticum vulgare</i> Vill.	Foo Shao Mai (Wheat)	(kernel) Protein, fat, carbohydrate, vitamins A, B, E, G. ⁴⁹	Sedative, antipyretic in night sweats, insomnia.
<i>Tulipa edulis</i> Bak. <i>T. gesneriana</i> L.	Shan Ci Ko Yu Jin Xian (Tulip)	(bulb) Colchicine, alkaloids, starch. ⁴⁸	Relieve swelling, lymphatic gland infection, throat infection.
<i>Tussilago farfara</i> L.	Kuan Dong Hua (Colts foot)	(flower bud) Faradiol, rutin, hyperin, saponins, taraxanthin, tannins, essential oil. ³³	Antitussive, expectorant, antiasthmatic, stimulate the medullary center and slowly raise blood pressure.
<i>Typha angustata</i> Bory et Chaub. <i>T. angustifolia</i> L. <i>T. davidiana</i> (Kronfeld) Hand. Mazz. <i>T. latifolia</i> L. <i>T. minima</i> Hoppe <i>T. orientalis</i> Presl. <i>T. praequalis</i> Skv.	Pu Huang (Bulrush)	(pollen) Isothamnetin, alpha-typhasterol, oligosaccharides. ³³	Treat hypercholesteremia, angina pectoris, exudative eczema, postdelivery bleeding, stop bleeding in hematemesis and hematuria.
<i>Typhonium divaricatum</i> (L.) Decaisne	Li Tou Cao	(leaf, tuber) ^{50,144} This herb is toxic. Overdose causes numbness or nausea.	An expectorant, rubefacient, used for cough and pulmonary disorders.
<i>Typhonium giganteum</i> Engl.	Du Jiao Lian	(whole plant) Uracil, succinic acid, tyrosine, valine, linolein, dipalmitin. ⁴⁸	Antispasmodic, carminative, for apoplexy, headache, paralysis.
<i>Ulmus campestris</i> L. <i>U. macrocarpa</i> Hance <i>U. pumila</i> L.	Yu Bai Pi (Siberian elm, Chinese elm)	(leaf) Butyric acid, capric acid, lipase, hexylenaldehyde, phlobaphene, phytosterol, sitosterol. ⁵⁰	For urinary calculi, diuretic, febrifuge.

Scientific Name	Common Chinese and (English) Name	Major Constituents and (sources)	Therapeutic Values*
<i>Uncaria hirsuta</i> Havil <i>U. rhynchophylla</i> Miq. (Syn. <i>Nauclea sinensis</i> Oliv.)	Gou Teng (Gambir)	(stem) Rhynchophylline, corynoxene, iso-rhynchophylline, isocorynoxene, corynantheine, hirsutine, hirsuteine. ³³	A sedative, anticonvulsive, lower blood pressure, it has a triphasic effect. Treat childhood epilepsy.
<i>Uraria crinita</i> Desvaux <i>U. lagopodiodes</i> (L.) Dexvaux	Hu Li Wei Tu Wei Cao	(leaf, root) Vitexin, vitexin-7-0-glucoside, orientin-7-0-glucoside, saponartin- 4'-0-glucoside. ⁵⁶	Treat hemorrhoids, dysentery, diarrhea, cough, pain, arthritis, irregular menses.
<i>Urena procumbens</i> L.	Fan Tian Hua (Duck foot)	(leaf, twig) Phenols, flavonoid glycoside, amino acids. ⁵⁷	Treat rheumatism, toothache
<i>Urtica angustifolia</i> Fisch. ex Hornem. <i>U. cannabina</i> L. <i>U. cannabina</i> L. f. <i>angustiloba</i> Chu <i>U. lobata</i> L. <i>U. tenacissima</i> Roxb. <i>U. urens</i> L. <i>U. utillis</i> Hort. (Syn. <i>Boehmeria nivea</i>)	Yu Ma (Chinese nettle)	(root) Chlorogenic acid, alkaloids, 5-hydroxytryptamine, protein, fat, carbohydrate, ash, fabric. ^{48,49,304}	Diuretic, tonic, stomachache, arthritis.
<i>Urtica laetevirens</i> Maxim.	Shi Mu Zi	See <i>Urtica angustifolia</i>	
<i>Usnea diffracta</i> Dill. ex Adans. <i>U. longissima</i> Acharius	Lao Jium Xiu Song Lo	(whole plant) Barbatic acid, usnic acid, diffractaic acid, ramalic acid, lichenin. ⁵⁴	Treat throat discharges, malaria, headache, cough, a detoxicant.

<i>Vaccaria segetalis</i> (Neck.) Garcke <i>V. pyramidata</i> Medic.	Wang Bu Liu Xing Liu Xing Zi (Cow cockle)	(seed) Vacsegoside, vaccaroside, gypsogenin, vaccarin. ³³	Activate blood flow, promote milk secretion, treat amenorrhea and breast infections.
<i>Vaccinium bracteatum</i> Thunb. <i>V. vitis-idaea</i> L.	Wu Fan Shu (Mountain cranberry)	(leaf) 6-o-acetyl-arbutin, arbutin, avicularin, 2-o-caffeoylarbutin, d-catechol, l-epicatechol, d-galocatechol, hyperin, hyperoside, sioquercitrin, salidroside, tannins, ursone. ⁵⁰	For gonorrhoea.
<i>Valeriana alternifolia</i> Bunge. <i>V. alternifolia</i> Bunge. var. stolonifera Baranov & Skv. <i>V. alternifolia</i> Bunge. var. stolonifera Baranov & Skv. F. angustifolia (Kom.) Kitag. <i>V. amurensis</i> P. Smiru. ex Kom. <i>V. fauriei</i> Briq. <i>V. fauriei</i> Briq. var. dasycarpa Hara <i>V. subbipinnatifolia</i> A. Baranow.	Jiao Cao	(root) Bornyl isovalerate, isovaleric acid, borneol, camphene, pinene, d-terpineol, l-limonene, pyrrol- methyl ketone, alpha-fenchene, myrcene, phellandrene, l-caryophyllene, erpinene, terpinolene, eremophilene, selinene, cadinene, valerianol, valerenone, myrtenol, bisabolene, chatinine, caffeic acid. ^{48,510}	Antispasmodic, aphrodisiac, emmenagogue, stimulant, sudorific, backache, cramps, influenza, nausea, numbness.
<i>Veratrum dahuricum</i> (Turcz.) Loes <i>V. maackii</i> Regel <i>V. nigrum</i> L.	Li Lu (Mountain onion)	(rhizome) Jervine, pseudojervine, rubijervine, tienmulilmine, tienmuliminine, zygadenine, germine. ³³ This herb may cause mucosal irritation.	Lower blood pressure, slow heart rate, antibacterial. It has insecticidal effect.
<i>Veratrum formosanum</i> Loesener	Taiwan Li Lu	(root) Protoveratrine, jervine, alkaloids, veratramine. ⁵⁵	Lower blood pressure, stop vomiting, antifungal, a stimulant.

Scientific Name	Common Chinese and (English) Name	Major Constituents and (sources)	Therapeutic Values*
<i>Verbena officinalis</i> L. <i>V. oxysepalum</i> Turcz.	Ma Bian Cao (Vervain)	(aerial part) Verbenalin, verbenalol, adenosine, tannins, essential oils. ³³	Antiplasmodial, antibacterial, antitoxin, anti-inflammatory.
<i>Vernonia andersonii</i> C. B. Carke <i>V. cinerea</i> (L.) Less. <i>V. patula</i> (Ait.) Merr.	Ban Jiu Jiu Shang Han Cao Xian Xia Hua	(leaf, root) Triterpinoid, alkaloid, saponin. ⁸⁹	As restorative, febrifuge and antidiarrheic, treat colic, stomachache.
<i>Veronica anagallis-aquatica</i> L. <i>V. anagallis-aquatica</i> L. f. <i>pumila</i> Kitag.	Shui Ku Shi (Speedwell)	(root) Aucubin. ⁵⁰	For fever, a gargle for throat ailments, stomatitis.
<i>Veronica linariaefolia</i> Pall. ex Link <i>V. linariaefolia</i> Pall. ex Link subsp. <i>dilatata</i> (Nakai et Kitag.) Hong	Shui Man Chin	(whole plant) Cordycepic acid, flavonoids. ⁴⁸	For windpipe infection, blood vomiting, relieve pain, detoxicant.
<i>Veronica sibirica</i> L. <i>V. sibirica</i> L. f. <i>glabra</i> (Nakai) Kitag. <i>V. undulata</i> Wallich	Po Po Na	(whole plant) Mannitol, veronicastrósíde, ínteolin-7- β -neohesperidoside, luteolin, 7- β -glucopyranoside, aucubin, arbutin. ⁴⁸	Relieve swelling, stop bleeding, treat cold, cough.
<i>Viburnum sargentii</i> Koehne f. <i>glabrum</i> Kom. <i>V. sargentii</i> Koehne f. <i>intermedium</i> (Kom.) Kitag. <i>V. sargentii</i> Koehne var. <i>puberulum</i> (Kom.) Kitag.	Shan Teng Zi (Snowball)	(whole plant) Scopoletin, aesculetin, caffeic acid, citric acid, malic acid, chlorogenic acid, isochlorogenic acid, essential oil, kaempferol-3-glucoside, beta-amyrin, beta-sitosterol, paeonin. ⁴⁸	For blood circulation, swelling, detoxicant, relieve itchiness, arthritis.

<i>Vicia faba</i> L.	Cam Dou (Horsebean)	(aerial part) Betulin, fumaric acid, kaempferol. ⁵⁰	Antitumor.
<i>Viola acuminata</i> Ledeb. <i>V. alisoviana</i> Kiss <i>V. alisoviana</i> Kiss f. <i>candida</i> (Kitag.) Takenouchi <i>V. alisoviana</i> Kiss f. <i>intermedia</i> (Kitag.) Takenouchi <i>V. collina</i> Bess. <i>V. dissecta</i> Ledeb. <i>V. dissecta</i> Ledeb. f. <i>pubescens</i> (Regel) Kitag. <i>V. mandshurica</i> W. Becker <i>V. patrini</i> DC ex Ging. <i>V. prionantha</i> Bunge. <i>V. verecunda</i> A. Gray	Jin Cai (Violet)	(whole plant) Saturated acids, cerotic acid, unsaturated acids, hydrocarbons, alcohols. ^{43,48}	Mucilaginous, emollient, suppurative inflammations, abscesses, ulcers.
<i>Viscum album</i> L. subsp. <i>coloratum</i> Kom. <i>V. album</i> L. subsp. <i>coloratum</i> Kom. f. <i>rubroaurantiacum</i> (Makino) Kitag. <i>V. coloratum</i> (Kom.) Nakai	Hu Ji Shang (Asiatic mistletoe)	(leaf, stem) Oleanolic acid, beta-amyrin, fatty acids, mesoinositol, flavoyadorinin, homoflavoyadorinin, lupeol, myristic acid, agglutinins, alkaloids, quercitol, querbrachitol, quencetine, acetylcholine, choline, histamine, tyramine, vitamins E and C. ^{33,450}	Antihypertensive, prolong the life of patients with late stage stomach cancer.
<i>Vitex chinensis</i> Miller <i>V. jeguaod</i> L.	Mu Jing	(leaf) Essential oils, beta-caryophyllene, caryophyllene oxide. ³³	Antitussive, antiasthmatic, antibacterial.

Scientific Name	Common Chinese and (English) Name	Major Constituents and (sources)	Therapeutic Values*
<i>Vitex nequundo</i> L.	Huong Jing (Five-leaved chaste tree)	(leaf, fruit, root) Essential oil, phenolic derivatives, cineol acid, pinene acid, dipentene, citronellol, geraniol, eugenol, camphene, delta-3-carene, tannic acid, nishindine, hydrocotylene, glucononitol, hydroxybenzoic acid, iridoidglycoside-nishindaside, negundoside, aucubin, agnuside, casticin, orientin, isoorientin. ^{50,450}	An astringent, sedative, for cholera, eczema, gravel, anxiety, convulsions, cough, headache, vertigo.
<i>Vitex trifolia</i> L. var. <i>simplicifolia</i> Cham. <i>V. rotundifolia</i> L. f.	Mu Jing Chi Dan Ye Mu Jing (Indian privet, seashore vitex)	(fruit, leaf, shoot) Camphene, pinene, vitricine, terpenylacetate, aucubin, agnuside, casticin, orientin, isoorientin, luteolin-7-glucoside, vitexicarpin, casticin, flavons. ^{48,50}	For fever, analgesic sedative, promote beard growth, breast cancer.
<i>Vitis amurensis</i> Rupr. <i>V. vinifera</i> L.	Shan Pu Tao (Wine grape)	(leaf, fruit) Malic acid, tartaric acid, racemic acid, oxalic acid. ⁵⁰	For abortion, cholera, dropsy, nausea.
<i>Wahlenbergia marginata</i> (Thunb.) A. DC	Xi Ye Sha Seng	(root) Alkaloids. ⁵⁵	Treat pulmonary disorder, skin eruption, stop sweating.
<i>Wikstroemia indica</i> C. A. Meyer	Liao Ge Wang	(root) Wikstroemin, hydroxygenkwanin, daphnetin, acidic resin. ³³	Antibacterial.
<i>Wisteria sinensis</i> (Sims) Sweet	Zi Teng (Chinese wisteria)	(seed, bark) Toxic glycosides, toxic resin. ⁶⁰ This herb is toxic.	Diuretic.

<i>Woodwardia japonica</i> (Lif.) Sm.	Gou Ji Guan Zhong (Chain fern)	(rhizome) Inokosterone, woodwardic acid, woodorien. ³³	Antiviral, against herpes simplex virus type-1.
<i>Xanthium chinense</i> Mill. <i>X. japonicum</i> Widder <i>X. mongolicum</i> Kitag. <i>X. sibiricum</i> Patr. ex Widd. <i>X. strumarium</i> L.	Cang Er (Cocklebur)	(fruit) Xanthinin, xanthumin, xanthanol, isoxanthanol, strumaroside, tetrahydroxy flavone, caffeic acid, dicaffeoylquinic acid. ^{33,48}	Antibacterial, antitussive, respiratory stimulating effect, lower blood pressure and blood sugar levels.
<i>Xanthoxylum piperitum</i> DC	Chuan Jian	(fruit) Essential oils, phellandrene, limonene, citronellol, geraniol, and sanshol in fruit; sesquiterpene lactones-xanthatin, limonene in seed; saponin, citral, citronellol, geraniol in leaf; berberine, xanthoxylinin root. ^{49,450}	Diaphoretic properties, prophylactic against hydrophobia, used as a diuretic, stomachic, carminative, stimulant, resolving inflammatory swellings, it is sedative.
<i>Zanthoxylum ailanthoides</i> Sieb. et Zucc.	Shi Zhu Yu	(aerial part) Essential oils, methyl n-nonylketone, isopimpinellin, dictamine, skimmianine, magnoflorine, laurifoline. ^{64,94}	Treat chills, influenza, sunstroke, indigestion.
<i>Zanthoxylum bungeanum</i> Maxim.	Shan Hua Jiao (Szechuan pepper)	(fruit, leaf, seed) Essential oils, limonene, cumic alcohol, linalool, myrcene, benzene <i>tert</i> -butyl, sabinene, rerpinenol, piperitone, beta-gurjunene, alpha- piene, geraniol, estragole, cadinene, clovene. ⁵³	Anthelmintic, aromatic, astringent, carminative, emmenagogue, stimulant, sudorific.

Scientific Name	Common Chinese and (English) Name	Major Constituents and (sources)	Therapeutic Values*
<i>Zanthoxylum nitidum</i> (Roxb.) DC	Shuang Mian Ci (Shiny bramble)	(root) Nitidine, oxynitidine, vitexin, 6-ethoxy-chelerythrin, diosmin, oxynitidine, oxychelerythrine, N-desmethylchelerythrine, skimmianine. ^{33,50,53}	Analgesic, anodyne, antitumor against leukemia, carminative, detoxicant, increase blood flow.
<i>Zanthoxylum schinifolium</i> Sieb. et Zucc.	Hua Jiao (Pepper)	(pericarp) Estragol, citronellol, phellandrene, xanthoxylene, skimmianine, magnoflorine, xanthoplanine, dictamnine, bergapten, berberine, esculetin dimethyl ether. ^{33,48,53}	Treat ascaris, relieve abdominal pain caused by ascariar obstruction.
<i>Zea mays</i> L.	Yu Mi Xu (Corn)	(leaf, flower, root, seed) Carbohydrate, beta-carotene, thiamine, riboflavin, niacin, ascorbic acid. ⁵⁰	For dropsy, diabetes mellitus, hypertension, epistaxis, menorrhagia, cancers, tumors, warts.
<i>Zephyranthes candida</i> Herbert	Cong Lan (White zephyrlily)	(aerial part) Lycorine, haemanthidien, nerinine, taxettin. ⁵⁰	For convulsion, hepatitis.
<i>Zephyranthes carinata</i> Herbert	Jiu Lan	(leaf, bulb) Alkaloids, lycorine. ^{63,93}	To relieve fever, used as as poultice for abscesses.
<i>Zingiber officinale</i> Roscoe	Sheng Jiang (Ginger)	(root) Essential oils, zingiberol, zingiberene, phellandrene, camphene, citral, linalool, methylheptenone, nonylaldehyde, d-borneol, gingerol. ^{53,398,510}	Anti-inflammatory, antitumor, stimulates gastric secretion.

<i>Zingiber zerumbet</i> Smith	Qiu Jiang (Ginger)	(rhizome) ^{55,60} 3".4"-O-diacetylfzelin, zerumbone, zerumbone epoxide, curcuminoids diferuloylmethane, feruloyl-p-coumaroylmethane, di-p-coumaroylmethane, essential oils, alpha-humulene. ^{192,193,195} These compounds are cytotoxic.	A tonic, stimulant, depurative, to treat asthma, stomachache, antimicrobial properties. This plant plays an important role in masculine rituals and it makes women sterile.
<i>Ziziphus jujuba</i> Mill. <i>Z. spinosa</i>	Suan Zao or Suan Zao Ren (Jujube, Chinese date)	(seed) Saponins, betulinic acid, betulic acid, betulin, jujuboside A, jujuboside B, sanjoinines, daechu alkaloids. ^{1,33,44,53}	For insomnia, neurasthenia, and irritation.

* This information should not be used for the diagnosis, treatment, or prevention of diseases in humans. The information contained herein is in no way intended to be a guide to medical practice or a recommendation that herbs be used for medicinal purposes. The information is presented here mainly for educational purposes and should not be used to promote the sale of any product or replace the services of a physician.

Phyletic Relationships between Chinese and Western Medicinal Herbs

The recognition that active ingredients extracted from native herbs may have potential utility in modern medicine has given new incentive to worldwide efforts to conserve vulnerable populations of wild plant species.⁵⁰ During the past decade, market demand for Chinese herbs around the world has increased sharply. And these resources have been avidly sought as raw material by drug processors in the East as well as the West. As a result of mass collecting, many natural habitats and the plant communities which they sustain have been decimated and some species are threatened or have become scarce.

Many Chinese herbal species currently are unavailable commercially in North America. However, hundreds of Chinese medicinal herbs commonly used in China also can be found in natural habitats in North America. The majority have a phyletic relationship with either the same species or the same genus of Chinese herb (see Tables 3 & 4). Some of the principal ingredients in Chinese herbs can be extracted from related plant species in the West. Thus, it may be possible to substitute Chinese herbs with more readily available herbs in the West. Moreover, these North American plants are, or can be, cultivated, harvested, and processed under proper management that will ensure their safety, quality, and efficacy.

The information presented herein is intended for use by biologists, chemists, and the interested layman as a guide to the Chinese medicinal plant resources and their uses.

Scientific Name	Source	Major Constituents	Therapeutic Values*
<i>Abrus precatorius</i> L.	China	L-abrine, precatorine, squalene, hypaphorine, trigonelline, cycloarterenol, 5- β -cholanic acid. ³³	Antiemetic, an expectorant, parasiticide.
	N.A.	Seeds: Abrin, anthocyanins, indole alkaloids. Root and leaves: glycyrrhizin, abrin. This herb is toxic. ¹⁰⁰	Seeds: A contraceptive, abortifacient, treat chronic conjunctivitis. Leaves: treat asthma, bronchitis.
<i>Acacia catechu</i> Willd.	China	d-catechin, epicatechin, gambir-fluorescein, gambirine, mitraphylline, roxburghine D. ³³	Promote salivation, resolve phlegm, stop bleeding, treat pyogenic infections.
	N.A.	Tannins, mucilage, flavonoids, resins. ¹⁰⁰	An astringent, clotting agent, it helps reduce excess mucus in the nose, the large bowel, or vagina. It treats eczema, hemorrhages, diarrhea, and dysentery.
<i>Acalypha indica</i> L.	China	Acalyphine. ⁵⁵	Diuretic, treat diarrhea.
	N.A.	Acalyphine, resin, tannins, volatile oil, cyanogenetic glucoside, triacetoneamine, querbrachitol, hydrociannic acid. ¹⁰⁰	A diaphoretic, expectorant, laxative. Leaves used as an anthelmintic.
<i>Achillea millefolium</i> L.	China	Alkaloids, essential oils, flavonoides, achillin, betonicine, achilleine, d-camphor, desacetylmaticarin. ³³	Antibacterial, treat menopause, abdominal pain, acute intestinitis, wound infection, snakebite.
	N.A.	Achilleine, tannins, cineole, chamazulene, sesquiterpene, lactones, menthol, camphor, sterols, triterpenes. ^{98,99,100,101,102,103}	Reduce fever, anti-inflammatory, treat common cold, diarrhea, dysentery, hypertension, and gastrointestinal complaints.

<i>Achyranthes bidentata</i> L.	China	Inokosterone, ecdysterone, polysaccharides. ³³	Anticancer.
	N.A.	Triterpenoid saponins. ⁹⁹	Treat canker sores, toothache, bleeding gums and nosebleeds. Invigorate blood flow, stimulate menstruation, ease menstrual pain.
<i>Aconitum carmichaelii</i> Debeaux	China	Aconitine, hypaconitine, mesaconitine, talatisamine. ³³	A cardiotonic.
	N.A.	Aconitine, malonic acid, caffeic acid, hypaconitine, mesaconitine, neoline, napelline, benzol-aconitine. ^{100,102,104}	For congestive heart failure.
<i>Aconitum napellus</i> L.	China	Aconitine, hypaconitine, mesaconitine, talatisamine. ³³ This herb is highly toxic.	A cardiotonic.
	N.A.	Aconitine, malonic acid, caffeic acid, hypaconitine, mesaconitine, neoline, napelline, benzol-aconitine. ^{100,102,104} This herb is toxic.	Heart and nerve sedative, anticarcinogenic, reduce fever.
<i>Acorus calamus</i> L. <i>A. gramineus</i> Ait.	China	Acoric acid. ⁵⁰	Anticonvulsant, analgesic, aphrodisiac, carminative, contraceptive, dessicant, diaphoretic.
	N.A.	Acoric acid, asarone, linalool, palmitic acid, methylamine, saponin, mucilage, sesquiterpenes. ^{99,100,103,105}	Used as a panacea. It is antibacterial, antifungal, antiseptic, antiamebic, antiprotozoal, a vermifuge. Treat digestive upset, fevers.
<i>Actinidia polygama</i> (Sieb. et Zucc.) Planch ex Maxim.	China	Matatabic acid, iridomyrmecin, actinidine, allomatatabiol, iridomyrmecin, neo-nepetalactone, dihydronepetalactol, matatabiether, isoneomatatabiol, matatabistic acid, neomatatabiol, vitamin C, vitamin B. ^{48,50,52}	Used for escophageal and liver cancers, rheumatoid arthritis, arthralgia, urinary stones, fever.

Scientific Name	Source	Major Constituents	Therapeutic Values*
	N.A.	Actindine. ¹⁰⁰	For colic, rheumatism.
<i>Adiantum capillus-junonis</i> Rupr.	China	Adipedatol, adiantone, hopadiene, isoadiantone, isofernene, fernene, gamma-fernene, filicene, filicenal, fernadiene. ⁴⁸	Treat cold and grippe.
	N.A.	Rutin, isoquercitin, terpenoids, adiantone, tannin, mucilage. ⁹⁹	Treat coughs, bronchitis, excess mucus, sore throat, chronic nasal congestion.
<i>Adonis vernalis</i> L.	China	Cymarol, corchoroside A, convallatoxin, adonilide, isoramanone, pergularin. ³³ This herb is toxic.	Treat heart disease and central depression, diuretic.
	N.A.	Adonitoxin. ⁹⁹ This herb is toxic.	Treat venereal disease, heart disorders, sedative.
<i>Aesculus hippocastanum</i> L.	China	Protoescigenine, escigenin, oligosaccharides, amylose. ³³	Promote circulation, relieve epigastrium pain, promote digestion.
	N.A.	Aescin, citric acid, resin, saponin, tannin, uric acid, quercetin, kaempferol, flavonoids, coumarin derivatives. ^{99,100}	Antipyretic, antithrombin, antiexudative. Treat lymphatic congestions, cerebral and pulmonary edema, crural ulcer and hemorrhoidal complaints.
<i>Agrimonia eupatoria</i> L.	China	Agrimophol, agrimols, agrimonine, agrimonolide, luteolin-7- β -D-glucoside, apigenin-7- β -D-glucoside, cosmosiin, vitamin c, vitamin K, tannin. ^{33,48,49}	An astringent hemostatic in enterorrhagia, hematuria, metrorrhagia, gastrorrhagia, pulmonary, tuberculosis. A cardiotonic.
	N.A.	Tannins, coumarins, flavonoids, luteolin, polysaccharides. ^{99,106}	Heal wounds and encourages clot formation, treat diarrhea, used as a tonic for digestion.

<i>Ailanthus altissima</i> (Mill.) Swingle	China	Amarolide, ailanthone, afzelin, syringic acid, vanillic acid, beta-sitosterol, azelaic acid, d-mannitol, amarolide, oleorsin, mucilage. ^{33,48}	Antidiarrheal, treat dysentery, duodenol ulcers. Astringent, anthelmintic, deobstruent.
	N.A.	Quassinoids, ailanthone, quassin, alkaloids, flavonols, tannins. ⁹⁹	Antimalarial, against cancerous cells, counter worms, excessive vaginal discharge, gonorrhoea, malaria, antispasmodic, cardiac depressant.
<i>Aleurites moluceanu</i> (L.) Willd.	China	Saponin, alpha-elaeo stearic, oleic acid, palmitic acid, stearic acid, tannins, phytosterols. ⁵⁰	Treat anemia, atrophy, edema, vermicide, oil (toxic internally) for parasitic skin diseases.
	N.A.	Oleostearic acid, hydrociannic acid, tannin, linolenic acid, oleic acid, linoleic acid, protein, thiamine. ¹⁰⁰ This herb is toxic.	Laxative, stimulant, and sudorific.
<i>Allium sativum</i> L. <i>A. fistulosum</i> L. <i>A. tuberosum</i> Rottl.	China	Allicin, allistatin, glucominol, neo-allicin, steroid saponins, polysaccharides, proto-isoeurubosides, diallyl sulfide. ^{33,49,510}	Antibacterial, antimutagenic, anticarcinogenic, carminative, abtuarrhythmic, lower plasma cholesterol and low-density lipoproteins, prevent thrombosis, hypotensive and vessel protective effect.
	N.A.	Alliin, iodine, diallyl trisulfide, 2-vinyl-4h-1,3-dithin, ajoene, linoleic acid, diallyl disulfide, scordinins, selenium. ^{98,99,107,511}	Reduce serum cholesterol, lower blood pressure, and platelet aggregation. It is anticancer, antimicrobial, antithrombotic.
<i>Aloe barbadensis</i> Miller <i>A. vera</i> L.	China	Aloins, barbaloin, aloe-emodin. ^{49,50,510}	Laxative, stomachic, emmenagogue.

Scientific Name	Source	Major Constituents	Therapeutic Values*
	N.A.	Aloin isobarbaloin, aloeresin A, B, aloesin glycone, aloesone, emodin, chrysophanic acid, 1,8-dihydroxy-anthracene derivatives, barbaloin, anthaquinone glycosides. ^{99,100,108,109,510,511}	Purgative, eupeptic, and cholagogue effect. It is a laxative and cathartic. Juice from leaves used for cuts and other skin problems.
<i>Alstonia scholaris</i> (L.) R. Br.	China	Picrinine, picralinal, echitamine, echitamidine. ³³	An expectorant, antiphlogistic.
	N.A.	Alkaloids, reserpine. ⁹⁹ This herb is toxic.	Treat malarial fever, antispasmodic, lower blood pressure, reduce high blood pressure.
<i>Anagalis arvensis</i> L.	China	Anagalline, anagalligenone, cucurbitacins, arrenin. ⁵⁵	Treat snakebite, dog bite, antitoxic.
	N.A.	Saponins, anagalline, tannins, cucurbitacins.	Diuretic, sweat-inducing and expectorant properties.
<i>Ananas comosus</i> (L.) Merrill	China	Ergosterol peroxide, ananasic acid, 5-stigmautena-3 β ,7d-diol, 3,4-dihydroxycinnamic acid, 4-hydroxycinnamic acid, bromelin, vitamins. ⁵⁷	Antioxdant activity, for digestion, lower blood pressure, anticancer.
	N.A.	Bromelain, citric acid, vanillin, methyl-n-propyl ketone, valerianic acid, malic acid, isocaproic acid, acrylic acid. ¹⁰⁰	Unripe fruits improve digestion, increase appetite, relieve dyspepsia. Ripe fruits reduce excessive gastric acid.
<i>Anemone pulsatilla</i> L.	China	Saponins, protoanemonin. ⁴⁹	A cardiac and nervous sedative, antispasmodic, anodyne in asthma and pulmonary infections, antidiarrheic.

	N.A.	Ranunculin, tannin, resin, saponin, anemonin, delphinidin, pelargonidin glycosides, beta-amyrin, beta-sitosterol.	Treat asthma, bronchitis, catarrh, diarrhea, rheumatism, and warts. It is alterative, antidotal, diuretic and emmenagogue.
<i>Anethum graveoleus</i> L.	China	Essential oils, d-carvone, dillapiole, limonene, bergapten, umbelliprenin, camphene, dihydrocarvone, dillapiole, dipentene, isomyristicin. ^{48,50}	Carminative, stimulant.
	N.A.	Carvone, limonene, flavonoids, coumarins, xanthonenes, triterpenes. ^{99,100,107}	Used for infant colic, cough, cold and flu remedies. It relieves digestive disorders.
<i>Angelica polymorpha</i> Max.	China	Vitamin B ₁₂ , vitamin E, ferulic acid, succinic acid, nicotinic acid, uracil, adenine, butylidenephthalide, ligustilide, folic acid, biotin, polysaccharide. ³³	Treat irregular menstruation, anemia, thrombophlebitis, neuralgia, arthritis, chronic nephritis, constrictive aortitis, skin disease such as eczematous dermatitis.
	N.A.	Butylphthalide, cadinene, carvacrol, n-dodecanol, isosafrole, linoleic acid, palmitic acid, safrole, sesquiterpene, sesquiterpenic alcohol, n-tetradecanol. ¹⁰⁰	Immunosuppressive activity, treat hay fever, asthma, and atopic dermatitis. Analgesic, deobstruent, emmenagogue, sedative.
<i>Apium graveolens</i> L.	China	Apiin, graveobioside A, graveobioside B. ³³	Treat hypertension, hypercholesterolemia.
	N.A.	Limonene, coumarins, apiin, oleic, linoleic, palmitic, paliloleic, petroselinic, petroselaicid, stearic, myristic, and myristoleic acids, bergapten. ^{99,102,110}	It is carminative and antirheumatic.
<i>Arctium lappa</i> L.	China	Arctin, arctigenin, matai-resinol, sesquilignins, stereoisomer. ^{1,9}	For dermatitis, tumors, antibacterial, relieve sore throat.
	N.A.	Inulin, mucilage, tannins, resin, arctin, arctic acid, arctiol, dehydrofukinone. ^{99,100}	For rheumatism, gout, and lung disease. It is laxative, diuretic, and perspiration inducer.

Scientific Name	Source	Major Constituents	Therapeutic Values*
<i>Areca catechu</i> L.	China	Arecholine, arecholidine, guvacoline, guvacine. ³³	Treat taeniasis.
	N.A.	Arecoline, arecaine, arecaidine, arecolidine, isoguvacine, guvacine, guvacoline, tannins, palmitic acid, stearic acid, myristic acid, lauric acid, margaric acid, nonadecanoid, heneicosanic acid. ¹⁰⁰	A breath sweetening masticatory, treat abdominal tumor, an astringent, stomachic, stimulant, and anthelmintic.
<i>Arisaema consanguineum</i> Mart.	China	Alkaloids, saponin, benzoic acid. ^{33,49} This herb is highly toxic.	Treat tetanus, spasms, epilepsy, neuralgia. Sedative, anticonvulsive, an expectorant.
	N.A.	Triterpenoid saponins, benzoic acid. ¹⁰⁰	Treat chest problems. Externally, fresh rhizome for skin ulcers.
<i>Artemisia annua</i> L.	China	Dihydroartemisinin, artesunate, artemisinin, chloroquine. ³³ This herb is mildly toxic.	A schizonticidal agent, antimalarial.
	N.A.	Abrotamine, artemisinin, vitamin A. ⁹⁹	Treat fever, headaches, dizziness, and tight-chested sensation.
<i>Artemisia vulgarts</i> L.	China	Terpinenol-4, β -caryophyllene, artemisia alcohol, linalool, cineol, camphore, borneol, eucalyptol. ³³	Reduce or stop menstrual bleeding. Antiasthmatic, antitussive. Treat chronic bronchitis, oral infection, and hypersensitivity.
	N.A.	Cineole, thujone, ascorbic acid, thiamine, inulin, resin, tannin. ^{100,102}	Improve appetite, digestive function, and absorption of nutrients. Antiseptic, a uterine stimulant.

<i>Asarum canadense</i> L.	China	Essential oils including ucarvone, safrole, beta-pinene, asoryl-ketone, asariline. ³³	Analgesic, sedative, antipyretic, anti-inflammatory
	N.A.	Pinenes, delta-linalool, borneol, terpineol, arislolochic acid. ¹⁰⁷	Treat asthma, sore throats, stomach cramps, recurrence of herpes lesions.
<i>Asparagus officinalis</i> L.	China	Glycolic acid, asparagome, essential oils, methanethiol. ⁵⁰	Diuretic, laxative, treat cancer, neuritis, rheumatism, for parasitic diseases.
	N.A.	Asparagosides, asparagine, flavonoids. ⁹⁹	Diuretic, for rheumatic conditions, sedative.
<i>Aster tataricus</i> L.	China	Saponins, shionon, quercetin, arabinose. ⁴⁹	Antitussive, expectorant.
	N.A.	Coumarins, polyacetylenes, terpenoids, flavonoids, phenylpropanoids, saponins. ¹⁸⁵	A stimulant, expectorant herb for the bronchial system. Treat tuberculosis.
<i>Astragalus membranaceus</i> (Fisch.) Bunge.	China	Gamma-aminobutyric acid, astragalol, canavanine, coumarin, flavonoid derivatives, saponins, polysaccharide, cycloastrangenol, betaine, rhamnocitrin, saponin, astragalosides, formononetin, homoserine, isoliquiritigenin, kaempferol, quereetin, cosin. ^{1,33,53,510}	Hypotensive, antirhinoviral, antitumor, antipyretic, diuretic, tonic, an immunomodulating agent.
	N.A.	Asparagine, calcyosin, formononetin, astragalosides, kumatakenin, sterols. ^{99,511}	An energy tonic, for excessive sweating, relieves fluid retention, immune stimulant, treat uterine bleeding.
<i>Atractylodes macrocephala</i> Koidz.	China	Atractylone, eudesnol, hinesol. ¹⁹	Diuretic agent, abdominal and chest tightness, anemia, chills, bronchial cough, diarrhea, CNS suppressing activity.
	N.A.	Atractylol, lactones atractylenolide II and III. ⁹⁹	As a tonic, strengthens the spleen, relieves fluid retention, excessive sweating, diarrhea, and vomiting.

Scientific Name	Source	Major Constituents	Therapeutic Values*
<i>Benincasa hispida</i> Cogn.	China	Palmitic acid, stearic acid, linoleic acid, thiamine, riboflavin, niacin, ascorbic acid. ⁵⁰	Diuretic, laxative, treat diabetes, dropsy, renitis.
	N.A.	Saponins, guaridine. ⁹⁹	Fruit has anticancerous effect.
<i>Bidens tripartita</i> L.	China	Luteolin, butin, buteine, coumarin, dihydroxycoumarin, scopoletin, umbelliferone. ⁴⁸	Treat chronic dysentery, heart ailments, eczema.
	N.A.	Flavonoids, santhophylls, volatile oil, acetylenes, sterols, and tannins. ⁹⁹	As an astringent, diuretic, to treat bladder and kidney problems. Staunch blood flow, for uterine hemorrhage.
<i>Biota orientalis</i> L.	China	Quercitrin, pinipicrin, thuzone, essential oils. ³³	Hemostatic, shorten blood clotting time. Antitussive.
	N.A.	Alpha-thujone, fenchone, beta-thujone, sabinen, beyerene, bornyl acetate, camphor, borneol, sesquiterpenes, lignans, flavonoids. ^{185,186} This herb is toxic.	Against amoebas, parasites, bacteria, fungi, and viruses.
<i>Blumea balsumifera</i> (L.) DC	China	Essential oils, borneol, camphor, cineole, limonene, palmitic acid, myristic acid, sesquiterpene alcohol, dimethyl ether, cineole, limonene, pyrocatechic tannin. ^{48,53}	Treat itch, sores, wounds. A stomachic, sudorific, tonic, diaphoretic, antiscorbutic.
	N.A.	Camphor, cinnamon. ¹⁰⁵	Externally for joint and muscle pain. Used as an inhalant for bronchial and nasal congestion.

<i>Brassica alba</i> (L.) Rabenh. <i>B. juncea</i> (L.) Czern. et Coss.	China	Sinigrin, myrosin, sinapic acid, sinapine, potassium myronate, mustard oil, allyl isothiocyanate, behenic acid, erucic acid, benzyl isothiocyanate, eicosenic acid. ^{48,50}	Relieve bladder inflammation, hemorrhage, abscesses, lumbago, rheumatism, stomach disorders.
	N.A.	Mustard-oil glycosides. ¹⁴⁷	Antibiotic effects. A pungent, stimulant, improves digestion and circulation.
<i>Bupleurum falcatum</i> L.	China	Triterpenoid saponins, sapogenins, saikosaponins. ^{21,22,33,510}	Relieves tightness, antipyretic, inflammation of inner organs.
	N.A.	Bupleurumol, triterpenoid saponins, flavonoids, saikosides. ⁹⁹	A tonic, anti-inflammatory, antiviral, protects liver.
<i>Calendula officinalis</i> L.	China	Arnidiol, carotin, calenduline, cerylalcohol, flavoxanthin, lycopene, oleanolic acid, inulin, rebixanthin, violaxanthin, tocopherol, salicylic acid. ⁵⁰	Treat bleeding gums, bleeding piles, for amenorrhea, bruises, cholera, cramps, eruption, fevers, flu.
	N.A.	Carotenoids, saponins, flavonoids, phytosterols, mucilage, triterpenes, resin. ^{99,100}	Anti-inflammatory, heal wounds, bed sores, ulcers, and skin rashes.
<i>Camellia sinensis</i> (L.) Kuntze	China	Caffeine, theophylline, tannic acid, theobromine, xanthine. ^{33,47}	Diuretic effect, increases renal blood flow, stimulate central nervous system.
	N.A.	Methylxanthines, caffeine, purine, polyphenols, ascorbic acid, beta-carotene, thiamine, niacin, theophylline. ^{100,111}	Antioxidant with stimulating effects.
<i>Cannabis sativa</i> L.	China	Vitamin B ₁ , vitamin B ₂ , muscarine, choline, trigonelline, l(d)-isoleucine betaine, cannabinol, tetra-hydrocannabinol, cannabidiol. ³³	Purgative, stimulate intestinal mucosa causing an increase in secretions and peristalsis.

Scientific Name	Source	Major Constituents	Therapeutic Values*
	N.A.	Tetrahydro-cannabinols, thiamine protein. Seeds contain choline, inositol, xylose, phytosterols, trigonelline. ^{100,102}	Induce euphoria and exhilaration, sedative, antispasmodic.
<i>Capsella bursa-pastoris</i> (L.) Medicus	China	Bursic acid, alkaloids, vitamin A, choline, citric acid. ³³	Hemostatic, antihypertensive, chyluria, nephritis, edema, hematuria.
	N.A.	Amine choline, acetylcholine, bursine, histamine, flavonoids, polypeptides, tyramine. ^{99,102}	Control internal bleeding, profuse menstruation.
<i>Carthamus tinctorius</i> L.	China	Cartharmin, neocarthamin, safflower yellow, quinochalone, safflomin A. ³³	Promote blood circulation, remove blood stasis, restore normal menstruation.
	N.A.	Carthamone, lignans, vitamin E, polysaccharides. ¹¹²	Reduce fever by inducing perspiration, it has laxative effect.
<i>Carum carvi</i> L.	China	Essential oil, d-carvone, d-limonene, phytosterols. ^{48,50}	Carminative, treat stomach pain.
	N.A.	Carvone, limonene, flavonoids, polysaccharides. ^{99,107,113}	Relieves gas pains, antispasmodic and carminative.
<i>Cassia angustifolia</i> Vahl.	China	Fatty acids, aloe-emodin, rhein chrysarobin, chrysophanic acid, oxymethyl anthraquinone. ^{48,510,511}	Improve night vision, migraines, astringent, purgative.
	N.A.	Anthraquinone, beta-sitosterol, rhein, dianthrone glucosides, sennosides A, B, naphthalene glycosides, aloe-emodin, mucilage. ^{99,100,510,511}	Laxative, stimulant, anticancer, cathartic.

<i>Catharanthus roseus</i> (L.) G. Don	China	Vinblastine, vincristine, carosine, vinrosidine, lenrosine, lenrosivine, rovidine, perivine, perividine, vindolinine, pericalline. ³³ This herb is toxic.	Anticancer in chronic lymphocytic leukemia and Hodgkin's disease, in acute lymphocytic leukemia.
	N.A.	Alkaloids, tannins, saponins, pectin, oleoresin, aldehydes, dimeric indole alkaloids, vinblastine, sesquiterpenes. ^{100,114,315}	Treat diabetes, leukemia, reduce blood pressure, Hodgkin's disease, hypotensive, sedative and tranquillizing, anticancer.
<i>Centella asiatica</i> (L.) Urb.	China	Asiaticoside, madecassoside, brahmoside, brahmissoside. ^{33,510}	Antibacterial, lower blood pressure, antipyretic, diuretic, detoxicant
	N.A.	Triterpenoid, saponins, oleic acid, vellarin, hydrocotyline, sitosterol, asiatic, madecassic, madasiatic acids, asiaticoside. ^{99,100,115,116,511}	Treat skin disease, leprosy, antipyretic, detoxicant, diuretic, antirheumatic, mild diuretic, sedative, and peripheral vasodilator.
<i>Chaenomeles speciosa</i> (Sweet) Nakai	China	Vitamin C, malic acid, tartaric acid, citric acid, hydrocyanic acid. ⁴⁹	Treat arthralgia, diarrhea, cholera, gout, arthritis.
	N.A.	Calcium, iron, magnesium, potassium, dodium. ³³⁴	Anti-inflammatory, antispasmodic, a circulatory and digestive stimulant, treat rheumatism, arthritis, cramps.
<i>Chamaenerion angustifolium</i> (L.) Scop.	China	Crataegulic acid, penta-o-galloyl- β -d-glucose, maslinic acid, chanerol, cerylalcohol. ⁴⁸	Regulate menstruation, improve breast milk production. Externally for wounds, stop bleeding.
	N.A.	3-O- β -D-glucuronide, mucilage, tannins, flavones. ^{103,117}	Treat skin irritation and burns, infused flower for gargle for sore throat and laryngitis. It is anti-irritant and used as a mild sun screen, inhibiting microbial growth.

Scientific Name	Source	Major Constituents	Therapeutic Values*
<i>Chelidonium majus</i> L.	China	Chelidonine, protopine, stylopine, allocryptopine, chelerythrine, sparteine, coptisine. ³³	Anodyne, analgesic, diuretic, antitussive, detoxicant. Treat abdominal pain, peptic ulcers, chronic bronchitis, and whooping cough.
	N.A.	Isoquinoline alkaloids, allocryptopine, berberine, chelidonine, sparteine. ⁹⁹	Analgesic, antispasmodic, lower blood pressure. A mild sedative.
<i>Chenopodium ambrosioides</i> L.	China	Volatile oil, ascaridol, geraniol, saponin, l-limonene, p-cymene, d-camphor. ⁶⁰	An anthelmintic to treat ascarids, ancylostomiasis, vermifuge, carminative.
	N.A.	Ascaridole, saponins, myrcene, geraniol. ^{99,100,107}	Anthelmintic.
<i>Chimaphila umbellata</i> (L.) W. Barton	China	Arbutin, ursolic acid, homoarbutin, chimaphilin, isohomoarbutin, hyperin, avicularjn, kaempferol, renifolin, beta-amyrin, ericolin, andromedotoxin, chinic acid. ⁴⁸	Diuretic, relieve stomach, tooth and after-birth pains, antifungal.
	N.A.	Hydroquinones (arbutin), flavonoids, triterpene, methyl salicylate, tannins. ⁹⁹	An astringent, tonic, and diuretic. An infusion for urinary tract problems.
<i>Chrysanthemum cinerriaefolium</i> (Trevir.) Vis.	China	Essential oil, adenine, choline, stachydrine. ⁶⁰	Used as insecticide.
	N.A.	Pyrethrins, cinerins, palmitic, linoleic acid, sesquiterpene lactones. ^{100,107,118}	Externally used as a contact insecticide.
<i>Cimicifuga foetida</i> L.	China	Ferulic acid, isoferulic acid, cimigenol, khellol, aminol, cimifugenol, cimitin. ³³	Induce diaphoresis, promote skin eruption.

	N.A.	Triterpene glycosides, actein, tannins, cimicifugoside, isoflavones, isoferulic acid, salicylic acid, resin. ^{99,100,103,119,120}	Promote menstrual flow, antirheumatic, expectorant, sedative. Treat inflammatory arthritis, high blood pressure, whooping cough, and asthma.
<i>Cimicifuga racemosa</i> (L.) Nutt.	China	Ferulic acid, isoferulic acid, cimigenol, khellol, aminol, cimifugenol, cimitin. ³³	Induce diaphoresis, promote skin eruption.
	N.A.	Triterpene glycosides, isoflavones, isoferulic acid, resin, salicylates, sterols, methylcytisine, cimicifugin, actein. ^{100,120}	Treat rheumatism, neuralgia, diarrhea, bronchitis, measles, whooping cough, tuberculosis, high blood pressure, migraine headaches, arthritis, relieve depression, and suppress hot flashes.
<i>Cinnamomum camphora</i> (L.) J. S. Presl.	China	d-camphor, eucalyptole, cineole, pinene, aromadendrene, cumaldehyde, pinocarveol, 1-acetyl-4-isopropylidencyclopentene. ^{33,53,510}	Stimulate nervous system, relax gastrointestinal muscle contractions.
	N.A.	Camphor, safrole, eugenol, terpineol, lignans. ^{99,100,511}	Carminative, antispasmodic.
<i>Cinnamomum cassia</i> Presl.	China	Cinnamic aldehyde, cinnamyl acetate, cinnamic acid, eugenol, phellandrene, phenylpropyl alcohol, coumarin, orthomethylcoumaric aldehyde. ^{33,49}	Antibacterial, vasodilatation, aromatic stomachic, astringent, tonic, analgesic, stimulant.
	N.A.	Camphor, camphene, dipentene, limonene, phyllandrene, pinene, cinnamaldehyde. ^{99,100,119}	Carminative, antispasmodic, antiseptic, and antiviral.
<i>Cinnamomum zeglanicum</i> Blume	China	Cinnamic aldehyde, p-cymene, hydrocinnamic aldehyde, pinene, benzaldehyde, cuminic aldehyde, nonylic aldehyde, eugenol, caryophyllene, l-phellandrine, methyl-n-amyl ketone, l-linalool. ⁶⁰	Stimulant to digestion, respiration, circulation.

Scientific Name	Source	Major Constituents	Therapeutic Values*
	N.A.	Cinnamaldehyde, eugenol, tannins, coumarins, mucilage.	A stimulant, carminative, antispasmodic, antiseptic, and antiviral. It is a sedative, analgesic, reduces blood pressure and fevers.
<i>Cissampelos pareira</i> L.	China	Cissampareine, hayatine, hayatinine, dl-beheerine, dl-curine, D-guereitol, d-isochondrodendrine, hayatidine, cissamine, menisnine. ³³	A blockade of NMJ depolarization. Used externally on wound surfaces to relieve pain.
	N.A.	Cissampeline. ¹⁰⁵	A potent muscle relaxant.
<i>Citrullus vulgaris</i> Schrad.	China	Cucurbitacins, carpylic acid, capric acid, lauric acid, myristic acid, palmitic acid, stearic acid, oleic acid, linoleic acid, citrulline. ⁵⁰	For alcoholic poisoning, diabetes, nephritis, sore throat, stomatitis, demulcent.
	N.A.	Citrulline, arginine. ⁹⁹	Increase flow of urine and cleanse the kidneys. Treat hepatitis, bronchitis, asthma.
<i>Citrus aurantium</i> (Christm.) Swingle	China	Synephrine, N-methyltyramine, flavones including tangeratin and nobiletin. ³³	Treat indigestion, relieve abdominal distension, ptosis of the anus or uterus.
	N.A.	Coumarins, bioflavonoids, mucilage, vitamins A, B, C, benzoic acid, cinnamic acid, coumarins, carotenoids. ^{99,121}	Antiseptic, antirheumatic, antibacterial, antioxidant.
<i>Clerodendrum trichotomum</i> Thunb.	China	Glycosides clerodendrin, acacetin-7-glucurono-(1,2)-glucuronide, clerodendrin, mesoinositol, clerodolone, apigenin-7-diglucuronide, friedelin, epifriedelin, friedelin. ^{33,48,71}	Treat hypertension, arthritis pain.
	N.A.	Clerodendrin acacetin, mesoinositol. ⁹⁹	Lower blood pressure, ease joint pain, numbness, and paralysis.

<i>Cnidium monnieri</i> (L.) Cusson	China	Archangelicin, columbianetin, O-acetylcolumbianetin, O-isovaleryl columbianetin, cnidiadin, cnidimine, l-pinene, l-camphen. ³³	A trichomonocidal agent, antiascariac, antifungal.
	N.A.	Pinene, camphene, bornyl isovalerate, isoborneol. ⁹⁹	Antifungal, treat vaginitis and vaginal discharge.
<i>Codonopsis pilosula</i> (Franch.) Nannfeldt <i>C. tangshen</i> Oliv.	China	Taraxeryl acetate, friedelin, n-butyl allophanate, inulin, sucrose, amino acids, stigmasterol, spinasterol, methyl palmitate, taraxerol. ⁴⁸	For amnesia, anorexia, asthma, cachexia, cancer, impotence, insomnia, palpitations.
	N.A.	Triterpenoid saponins, sterins, perlolyrin, alkenyl, polysaccharides, alkenyl glycoside, tangshenoside. ^{99,122}	An adaptogen, stimulant and tonic.
<i>Commiphora myrrha</i> Engler	China	From gum resin, essential oils including myrcene, alpha-camphorene, Z-guggulsterol, guggulsterol, makulor, cembrene. ³³	Activate blood flow, relieve pain, promote tissue regeneration.
	N.A.	Gum, acidic polysaccharides, resin. ⁹⁹	A stimulant, antiseptic, astringent, and expectorant. It is anti-inflammatory, antispasmodic, and carminative.
<i>Conyza canadensis</i> (L.) Cronq.	China	Essential oils, mrtaicaria ester, dehydromatricaria ester, linoleyl acetate, limonene, linalool, centaur X, dephenyl methane-2-carboxylic acid, cumulene, O-benzylbezoic acid. ⁴⁸	Relieve swelling, itchiness, treat intestine and liver infection, a detoxicant, externally for skin eczema, wounds, pain caused by arthritis, toothache.
	N.A.	Limonene, terpineol, linalool, tannins, flavonoids, terpenes. ⁹⁹	For gastrointestinal problems such as diarrhea and dysentery. Treat bleeding hemorrhoids, bladder problems, gonorrhea.

Scientific Name	Source	Major Constituents	Therapeutic Values*
<i>Coptis chinensis</i> Franch. <i>C. teeta</i> Wall	China	Berberine, coptisine, urbenine, worenine, palmaline, jatrorrhizine, columbamine, lumicaerulic acid. ^{33,60} This herb is toxic.	Antiarrhythmic, antibacterial, antiviral, antiprotozoal, anticerebral ischemic.
	N.A.	Isoquiniline, berberine, coptisine, worenine. ⁹⁹	Antibacterial, amebicidal and antidiarrheal.
<i>Coriandrum sativum</i> L.	China	Acetone, borneol, coriandrol, cymene, decanal, decanol, decylic aldehyde, dipentene, geraniol, limonene, linalool, malic acid, nonanal, oxalic acid, phellandrene, tannic acid, terpinene, terpinolene. ⁵⁰	Eruptions of pox and measles.
	N.A.	Linalool, proteins, vitamin C, alpha-pinene, terpinene. ^{99,107}	A digestive tonic, carminative, and sedative.
<i>Cornus officinalis</i> Sieb. et Zucc.	China	Morrisonide, 7-O-methyl-morrisonide, sworoside, loganin, longiceroside, tannic acid, resin, tartaric acid, cornin, gallic acid, malic acid. ^{33,60}	Diuretic, treat dysmenorrhea, excessive menstruation, impotency, backache, dizziness.
	N.A.	Iridoid glycosides, verbenalin, saponins, tannins. ^{100,102,123}	Mild effect on the involuntary nervous system, which governs the digestive system.
<i>Corydalis yanhusuo</i> W. T. Wang ex Z. Y. Su et C. Y. Wu	China	d-corydaline, corydalis, dl-tetrahydropalmatine, crybulbine, alpha-allocryptopine, tetrahydrocoptisine, corydalamine, tetrahydrocolumbamine, protopine, coptisine, dehydrocorydaline, columbamine, dehydrocorydalmine. ³³ Overdosage is toxic.	Analgesic, sedative, hypnotic, synergistic, increase coronary flow.

	N.A.	Corydalis, corydaline, leonticine, tetrahydropalmatine, protopine. ⁹⁹	Analgesic, antispasmodic, sedative.
<i>Crocus sativus</i> L.	China	Crocetin, crocetin geniobiose glucose ester, crocetin di-glucose ester. ³³	Ameliorating effect on ethanol-induced impairment of learning and memory.
	N.A.	Crocine glycosides, beta-carotene, phytoene, phytofluene, pinene, safranal, cineole. ^{100,107}	Saffron stomachic, antispasmodic, emmenagogue properties.
<i>Croton tiglium</i> L.	China	Croton resin, phorbol, crotonic acid, crotin, crotonoside. ³³ This herb is very toxic.	Purgative.
	N.A.	Croton oil. ¹⁰⁵ Oil is carcinogenic, can be fatal.	For constipation, dysentery, biliary colic, intestinal obstructions, food poisoning, malaria, mastitis. Externally for warts, dermatitis, abscesses, boils.
<i>Cryptotaenia canadensis</i> (L.) DC	China	Cryptotaenen, kiganen, kiganol, methyl isobutyl ketone, petroselic acid, isomesityl oxide, <i>trans</i> -beta-ocimene, terpinolene. ^{48,50}	For diarrhea, dysmenorrhea, rheumatism, tubercular glands.
	N.A.	Volatile oils. ¹⁰⁵	A stimulant.
<i>Cryptotaenia japonica</i> Hasskarl	China	Cryptotaenen, kiganen, kiganol, petroselic acid, isomesityl oxide, mesityl oxide, methyl isobutyl ketone, <i>trans</i> -beta-ocimene, terpinolene. ^{48,50}	For diarrhea, dysmenorrhea, rheumatism, tubercular glands.
	N.A.	Apiole, myristicin, pinene, apiin, havonoids, phthalides, coumarins. ^{99,100,107}	Diuretic, stomachic, carminative, irritant, and emmenagogue properties.

Scientific Name	Source	Major Constituents	Therapeutic Values*
<i>Cucumis sativus</i> L.	China	Arginine, caffeic acid, chlorogenic acid, cucurbitacins, fructose, galactose, isoquercitrin, mannose, 2,6-nonadienol, rutin, linoleic acid, oleic acid, palmitic acid, stearic acid. ⁵⁰	Diuretic, purgative, vermifuge, pulp can be used for burns, scalds, and skin ailments.
	N.A.	Palmitic acid, stearic acid, linoleic acid, oleic acid. ^{187,188}	Internally for blemished skin, heat rashes, tapeworm. Externally for sunburn, scalds, sore eyes, and conjunctivitis.
<i>Curcuma aromatica</i> Salisbury	China	Curzerenone, curzenene, furanodiene, furanodienone, zederone, curculone, curcumenol, procurcumenol, curcumadiol, curdione, curcumin, turmerone, zingiberene. ^{33,510} This herb is toxic.	Inhibit mutagenesis and tumor promotion, anti-inflammatory, antitumor, anti-infectious, anti-HIV.
	N.A.	Curcuminoids, essential oils. ⁹⁹	Biliary disorder, anti-inflammatory, sedative.
<i>Curcuma longa</i> L.	China	l-curcamene, sesquiterpene, camphor, camphene, curmarin, curzernone, curzenene, curcumol, furanodienone, furanodiene, zederone, curcolone, curcumadiol, procurcumenol, curdione, curcumin. ^{33,510}	Anti-inflammatory, antitumor, anti-infectious properties, antioxidative activity, active blood flow, remove blood stasis.
	N.A.	Volatile oil, zingiberen, turmerone, curcumin, resin. ^{99,511}	Stimulate secretion of bile, antibacterial, anti-inflammatory, relieve stomach pain, antioxidant.

<i>Cuscuta chinensis</i> Lam.	China	Cuscutalin, bergenin, cuscutin, amarbelin, cholesterol, campesterol, beta-sitosterol, stigmasterol, beta-amyrin. ⁴⁸	Improve immunity, increase blood sugar metabolism.
	N.A.	Flavonoids, hydroxycinnamic acid, bergegin. ¹⁰²	Remedy for kidney disorder and liver disease, laxative.
<i>Cymbopogon citratus</i> (DC) Stapf. <i>C. nardus</i> Rendle	China	Elemicin, cymbopogonol, citral, dipentene. Methylheptenone, beta-dihydropseudoionone, linalool, methylheptenol, alpha-terpineol, geraniol, nerol, farnesol, caprylic, citrogellol, citronellal, decanal, farnesal, isovaleric, geranic, citronellic. ^{50,60}	Treat blood in the urine, fever, antiseptic, preservative.
	N.A.	Citral, citronellal. ^{100,107,117,124}	Treat digestive problems, relieve cramping pains.
<i>Cyperus rotundus</i> L.	China	Essential oils, alpha-cyperene, beta-cyperene, alpha-cyperol, beta-cyperol, cyperone, patchoulone, kobusone, capadiene, epoxyquaine, rotundone, rotunol. ³³	Treat dysmenorrhea, menstrual irregularities.
	N.A.	Fixed oil known as tiger nut oil. ⁹⁹	A digestive tonic. Promotes urine production and menstruation.
<i>Cytisus scoparius</i> (L.) Link.	China	Sparteine, sarothamine, genisteine, scoparin. ⁶⁰	As a fomentation to bruises, a remedy for coughs, colds.
	N.A.	Sparteine, scoparoside, flavone. ^{100,125}	Diuretic, cathartic.

Scientific Name	Source	Major Constituents	Therapeutic Values*
<i>Daphne genkwa</i> Sieb. et Zucc.	China	Genkwanin, yuanhuacine, apigenin, hydroxygenkwanin, yuanhuafine, yuanhuadine, 12-benzoydaphnetoxin, yuanhuatine, genkwadaphnin. ^{33,53} This herb is toxic.	Induce abortion, treat chronic bronchitis, malaria, cutaneous infections.
	N.A.	Daphnetoxin, mezerein, mucilage, tannins. ⁹⁹ This herb is toxic.	An abortifacient, alterative, carcinogenic, diuretic, purgative, stimulant, sudorific.
<i>Datura innoxia</i> Mill. <i>D. metel</i> L. <i>D. stramonium</i> L.	China	Scopolamine, hyoscyamine, daturodiol, daturodone. ³³ This herb is mildly toxic.	A spasmolytic, analgesic, antiasthmatic, antirheumatic agent. A general anesthetic for major operations.
	N.A.	Tropane alkaloids (hyoscyamine, hyoscine), flavonoids, withanolides, coumarins, tannins. ¹⁰⁰	Treat asthma, coughs, fevers, skin conditions.
<i>Daucus carota</i> L.	China	Carotenes, lycopene, phytofluere, umbelliferone, alpha-pinene, camphene, myrcene, alpha-phellandrene, daucol, bisabolene, luteolin-7-glucoside, citral, daucine, pyrrolidine, geraniol, carotol, citronellol, caryophyllene, p-cymene, asarone, daucosterol, petroselinic acid. ⁴⁸	For chronic dysentery, worms, carminative, diuretic, emmenagogue, lower blood sugar, prevent cancer, diabetes, dyspepsia, and gout.
	N.A.	Thiamine, nicotinic acid, phytin, lipids, carotenes, vitamin B complex, vitamin C. ¹⁰⁰	Anthelmintic, diuretic.

<i>Dictamnus albus</i> L.	China	Dictamnine, skimmianine, saponins, preskinnianine, choline, fragarine, auraptin, bergapten, isomaculosindine, limonin, obakinone, fraxinellone, psoralen, trigonelline. ^{50,60}	Antifungal, antipyretic, antiseptic, antitussive, sedative, emmenagogue, tonic.
	N.A.	Estragol, anethole, dictamnin. ⁹⁹ This herb is toxic.	Stimulates the muscles of the uterus, antispasmodic.
<i>Digitalia purpurea</i> L.	China	Digitoxigenin, gitoxigenin, digitonin, gitaloxigenin, digitoxin, gitoxin, gitanin, gitaloxin, digicoside, strospeptide, digipurin, digicirin, digifolein, purpureal glycosides. ⁶⁰	For gonorrhoea, sclerosis of the breast.
	N.A.	Purpurea-glycosides A and B, digoxin, digitoxin, caffeic acid, lanatoside, choline, saponins, chlorogenic acid. ¹⁰⁰	Improving blood circulation to the kidneys, it has cardiologic effect.
<i>Dioscorea batatas</i> Decaisue	China	Allantoin, arginine, d-abcisin, mannan, phytic acid, diosgenin, protein. ⁴⁸	Sore throat, swellings, food poisoning, goiter, hernia, purulent inflammations.
	N.A.	Steroidal saponins. ¹²⁶	Strengthens a weak digestion, improves appetite, it has hormonal effect. It counters excessive sweating, frequent urination, and chronic thirst.
<i>Dioscorea opposita</i> Thunb.	China	Allantoin, arginine, choline, glutamine, leucine, tyrosine, diosgenin, sinodiosgenin. ⁵⁰	Leaf juice for snakebite, root for asthma, cachexia, cough, debility, diarrhea, neurasthenia, polyuria, tuber is anthelmintic.
	N.A.	Steroidal saponins, albuminoides, diosgenin, progesteron, sapogenin. ¹²⁶	Hormonal effect, treat vaginal discharge, diuretic and anti-inflammatory properties.
<i>Dodonea viscosa</i> (L.) Jacquin	China	Alkaloid, glucoside, tannin, resins. ⁶⁰	Remedy for fever, astringent to treat eczema.

Scientific Name	Source	Major Constituents	Therapeutic Values*
	N.A.	Tannin. ¹⁰⁵	Internally for fever, externally for pain relief of toothache, sore throat, wounds and stings.
<i>Drosera rotundifolia</i> L.	China	Citric acid, malic acid. ⁵⁷	Treat dysentery, scrofula, and malaria.
	N.A.	Naphthaquinones, enzymes, flavonoids, volatile oil. ⁹⁹	Antimicrobial, antispasmodic, Relaxing the muscles of the respiratory tract.
<i>Dryobalanops aromatica</i> Gaertn.	China	Borneol, camphene, terpineol, sesquiterpene. ⁶⁰ This herb is toxic.	A tonic and aphrodisiac, cataracts, and reduce swelling. Externally for mucous membrane of the nose, eye, throat and on piles.
	N.A.	Camphor oil, d-borneol. ¹⁰⁵	Internally for fainting, convulsions associated with high fever, cholera, pneumonia. Externally for rheumatism, ringworm, abscesses, boils, cold sores, mouth ulcers.
<i>Dryopteris filix-mas</i> (L.) Schott.	China	Dryocrassin, filicic acids, paraaspidin, deaspidin, albaspidin, oleoresin, filmarone, filicin, flavaspicic acids, filicin, resin albaspidin, diploptene. ^{50,53,60}	Anthelmintic to treat tapeworm, hemorrhage, hookworm, influenza. Externally to treat leucoderma.
	N.A.	Oleo-resin, triterpenes, alkanes, volatile oil, resins. ⁹⁹ This herb is toxic.	Treat tapeworms.
<i>Eclipta alba</i> Hassk. <i>E. prostrata</i> (L.) L.	China	Alkaloids, nicotine, ecliptine. ⁶⁰	Leaves heated or crushed in oil are applied to keep the hair black and to encourage its growth. Astringent, hemostatic, tonic.
	N.A.	Saponins, alpha-terthienylmethanol, ecliptine. ⁹⁹	Prevent premature graying of the hair, staunch bleeding especially from uterus.

<i>Elettaria cardamomum</i> Maton.	China	Phytosterol, palmitic acid, oleic acid, linoleic acid, p-cymene, camphene, d-limonene, myrcene, alpha-phellandrene, pinene, sabinene, terpinene, thujene, cineole, camphorm citral, linalol, citronellal, dl-borneol, citronellol, geraniol, terpineol, sabinene. ⁵⁰	Carminative, emmenagogue, stimulant, stomachic, tonic. Treat ague, cachexia, dyspepsis, enuresis, gastralgia, nausea, spermatorrhea.
	N.A.	Borneol, camphor, pinene, humulene, caryophyllene, carvone, eucalptole, terpinene, sabinene. ⁹⁹	Eases stomach pain, carminative, antispasmodic and digestive stimulant.
<i>Eleutherococcus senticosus</i> (Rupr. ex Maxim.) Maxim.	China	Eleutherosides, beta-sitosterol glucoside, l-sesamen, syringareinol. ^{7,33}	Central nervous system activating and anti-stress action.
	N.A.	Eleutherosides, lignans, coumarins, phenylproparnoids, isofraxin, pectin, triterpenoid saponins, resins, glycans, polysaccharides. ^{99,100,127,128}	An adaptogen, tonic, stimulant, protects the immune system.
<i>Entada phaseoloides</i> (L.) Merrill.	China	Entageric acid. ³³	Antirheumatic, promote collateral flow, relieve blood stasis.
	N.A.	Saponins. ⁹⁹	Treat female sterility, indigestion, and as a painkiller.
<i>Ephedra distachya</i> L.	China	l-ephedrine, l-methylephedrine, l-norephedrine, methylephedrine, d-pseudoephedrinem, d-N-methylpseudoephedrine. ^{30,31,33} This herb is toxic.	Treat asthma, sympathomimetic action, relieve headache, body ache, and coughing, lower fever by increasing perspiration.
	N.A.	Alkaloids, ephedrine, l-ephedrine, d-pseudoephedrine. ^{106,129,511}	Treat fevers, relieve kidney pain, asthma, nose and lung congestions, hay fever, and as a hypertensive aid.

Scientific Name	Source	Major Constituents	Therapeutic Values*
<i>Ephedra sinica</i> Stapf.	China	l-ephedrine, l-methylephedrine, l-norephedrine, methylephedrine, d-pseudoephedrinem, d-N-methylpseudoephedrine. ^{30,31,33,510}	Treat asthma, sympathomimetic action, relieve headache, body ache, and coughing, lower fever by increasing perspiration.
	N.A.	Protoalkaloids, tannins, saponin, flavone, volatile oil, ephedrine, l-ephedrine, d-pseudoephedrine. ^{99,106,511}	Increase sweating, dilate bronchioles, stimulant, diuretic, and raise blood pressure.
<i>Equisetum arvense</i> L.	China	Equisetonin, equisetin, articulain, isoquereitrin, galuteolin, populnin, kaempferol-3,7-diglucoside, astragaln, palustrine, gossypitrin, herbacetrin, 3-methoxypyridine. ⁴⁸	Antihemorrhagic, anodyne, carminative, diaphoretic, diuretic.
	N.A.	Silicic acid, trace of nicotine, equisitine, silicates. ^{99,100,102}	Treat bleeding wounds, antibiotic, for oral infection, antidiaphoretic.
<i>Equisetum hyemale</i> L.	China	Equisetonin, equisetin, articulain, isoquereitrin, galuteolin, populnin, kaempferol-3,7-diglucoside, astragaln, palustrine, gossypitrin, herbacetrin, 3-methoxypyridine. ⁴⁸	Antihemorrhagic, anodyne, carminative, diaphoretic, diuretic.
	N.A.	Silicic acid, silicates, flavonoids, phenolic acid, nicotine, sterols. ¹⁰⁰	Regeneration of connective tissue, clotting agent, astringent effect on genitourinary system.
<i>Erigeron canadensis</i> L.	China	Essential oils, erigeron, tannic acid, limonene, dipentene, methylacetic acid, terpeneol, lacnophyllum, matricaria, dehydromatricaria, gallic acids, hexahydromatricaria. ⁵⁰	For hemorrhage, diarrhea, dysentery, internal hemorrhage of typhoid fever.

	N.A.	Limonene, terpineol, linalool, tannins, flavonoids, terpenes. ⁹⁹	As astringent, for gastrointestinal problems, bleeding hemorrhoids.
<i>Eriobotrya japonica</i> Linkdl.	China	Levulose, sucrose, malic acid, citric acid, tartaric acid, succinic acid, amygdalin, cryptoxanthin, carotenes, phenyl ethyl alcohol pentosans, essential oils. ⁵⁰	Antitussive, expectorant, treat bronchitis, cough, fever, nausea, externally applied to epistaxis, smallpox, ulcers.
	N.A.	Volatile oil, flavonoids, resin.	Treats tracheitis, bronchitis, and asthma.
<i>Erythroxylum coca</i> Lam.	China	l-cocaine, cinnamylcocaine, alpha-trevilline, beta-trevilline, ecgonine, benzoyllecgonine. ³³	For local anesthetic, has vasoconstriction effect.
	N.A.	Cocaine, nicotine, benzoyllecgonine, cinnamylcocaine, ecgonine, methyl salicylate. ¹⁰⁰	Anesthetic, aphrodisiac, stimulant.
<i>Eugenia caryophyllata</i> (L.) Thunb.	China	Essential oils, eugenol, humulene, acetyeugenol, chavicol, alpha-caryophylline, beta-caryophylline, ylangene. Flower bud: Rhamnetin, kaempferol, oleanolic acid, eugenitin, isoeugenitin. Bark: ellagic acid, beta-sitosterol, mairin. ³³	For nausea, vomiting, hiccups, stomach chills, impotence, therapeutic, antiherpes simplex virus.
	N.A.	Sesquiterpenes, eugenol, tannins, gum. ^{130,131}	For gastroenteritis, intestinal parasites. Externally for toothache and insect bites.
<i>Euphorbia hirta</i> L.	China	Camphol, leucocyanidol, quercitol, quercitrin, rhamnase, euphorbon, gallic acid, chlorophenolic acid, taraxerol, taraxerone. ⁵⁰	For asthma, bronchitis, externally for athlete's foot.
	N.A.	Flavonoids, terpenoids, alkanes, phenolic acids, shikimic acid, choline. ⁹⁹	For bronchial asthma, mildly sedative, treats intestinal amebiasis.

Scientific Name	Source	Major Constituents	Therapeutic Values*
<i>Euphorbia lathyris</i> L.	China	Euphorbiasteroid, betulin, 7-hydroxylathyrol, lathyrol diacetate benzoate, lathyrol diacetate nicotinate, euphol, euphorbol, euphorbetin, esculetin, daphnetin. ^{33,53}	Diuretic to remove edema, eliminate blood stasis and resolve masses, antitumor.
	N.A.	Fixed oil, resin, euphorbone. ^{99,100} This herb is toxic.	Depilatory, remove corns.
<i>Fagopyrum esculentum</i> Moench	China	Rutin, quercetin, caffeic acid, orientin, homoorientin, vitexin, saponaretin, cyanidin, leucoanthocyanin. Seeds contain amylase, linamarase, maltase, phosphatides, protease, quercitol, rhamnose, urease. ^{48,50}	For colic and diarrhea, stop cold sweats.
	N.A.	Bioflavonoids (rutin). ⁹⁹	Antioxidant, strengthens the inner lining of blood vessels.
<i>Ferula assa-foetida</i> L.	China	Vanillin, asarensinotannol, ferulic acid, farnesiferols. ³³	Anthelmintic, treat ascites, dysentery, malaria.
	N.A.	Disulphides, resin, gum, sesquiterpenoid coumarins, foetidin. ⁹⁹	An expectorant, for digestive problems, bronchitis, bronchial asthma, whooping cough, lower blood pressure and thin the blood.
<i>Ficus carica</i> L.	China	Bergaptin, cerotinic acid, ficusin, glutamine, papain, pepsin, psoralen, guaiaxulene, amyryn, lupeol, octacosane, guaiaicol, quercitin, rhamnose, rutin, sitosterol, tyrosine, urease. ^{50,55}	For stomachache, externally for swollen piles, corns, warts. Fruit is laxative, digestive.

	N.A.	Glucose, flavonoids, vitamins, enzymes. ⁹⁹	A gentle laxative effect, treats tumors, swellings and gum abscesses.
<i>Foeniculum vulgare</i> Mill.	China	Anethol, d-fenchone, anisaldehyde, methylchavicol. ³³	Restore normal functioning of the stomach.
	N.A.	Anethole, fenchone. ^{100,107}	Antispasmodic.
<i>Forsythia suspensa</i> (Thunb.) Vahl.	China	Phillyrin, rutin. ⁵⁰	Febrifuge, for cancer, carbuncle, chickenpox, antiphlogistic, diuretic, emmenagogue, laxative, antipyretic.
	N.A.	Forsythin, vitamin P. ¹³²	Antiseptic, remedy for colds, flu, sore throats, and tonsillitis.
<i>Fraxinus ornus</i> L.	China	Fraxin, aesculin. ³³ This herb is toxic.	Antibacterial, analgesic, anti-inflammatory.
	N.A.	Coumarins, flavonoids, tannins, volatile oil. ⁹⁹	A laxative for children and pregnant women.
<i>Fritillaria verticillata</i> Willd.	China	Fritilline, fritillarine, verticine, verticinine, peimine, peiminine, peimisine, peiniphine, peimidine, peimilidine, propeimin, verticine, verticinine. ³³	Cause bronchodilatation and inhibition of mucosal secretions. Antitussive, stimulate uterine and intestinal contractions.
	N.A.	Alkaloids, peimine. ⁹⁹	Affects the parasympathetic nervous system.
<i>Galium verum</i> L.	China	Alisarin, rubrierythrinic acid, purpurin. ⁶⁰	Treat rheumatism, jaundice, menstrual difficulties, epistaxis, hemorrhages.
	N.A.	Asperuloside, flavonoids, alkanes, anthraquinones. ¹⁰⁷	A diuretic, for skin problems.
<i>Gardenia angusta</i> (L.) Merr.	China	Gardenin, alpha-crocetin, chlorogenin, volatile oil, mannit, glycosides. ⁶⁴	Emetic, stimulant, febrifuge, diuretic, hemostatic, antihemorrhagic, emmenagogue.

Scientific Name	Source	Major Constituents	Therapeutic Values*
	N.A.	Volatile oil, gardenin crocin, geniposide. ⁹⁹	For fever, irritability and restlessness, insomnia, urination, and jaundice. Treat cystitis, headaches, difficulty in breathing.
<i>Gelsemium sempervirens</i> (L.) Ait.	China	Gelsemine, gelsemidine, koumine, sempervirine, kouminine, kouminicine, douminidine. ^{33,46,50} This herb is highly toxic.	For caked breast, perspiring feet, skin eruptions, wounds.
	N.A.	Gelsemine, gelsedine, iridoids, coumarins, tannins. ⁹⁹ This herb is toxic.	A sedative, antispasmodic, treat neuralgia, facial nerve pain. Externally treat intercostal neuralgia.
<i>Gentiana lutea</i> L. <i>G. macrophylla</i> Pall.	China	Gentianine, gentianidine, gentianol. ³³	Treat rheumatism and fever, antipyretic, anti-inflammatory, antihypersensitivity and antihistaminic effects.
	N.A.	Gentianine, gentianindine. ⁹⁹	Stimulate digestion.
<i>Gentiana scabra</i> Bunge.	China	Entiopicrin (or gentiopicroside), saponins, geniposide, gardenoside, gentianine. ^{16,17,33}	For arthritis, cancer, carbuncle, cold, conjunctivitis, diarrhea, gastritis, neuralgia.
	N.A.	Gentianine, gentianindine. ⁹⁹	Stimulate digestion.
<i>Geum aleppicum</i> Jacq.	China	Flavones, fatty acids, eugenol, gein, geoside. ⁴⁸	Treat bleeding, bug bite, convulsive disorder, fevers, irritability, obstinate skin diseases.
	N.A.	Phenolic glycosides, eugenol, tannins, sesquiterpene lactone. ⁹⁹	Treat fever, stomach and intestinal complaints, diarrhea, and reduce bleeding, inflammation, and hemorrhoids.

<i>Ginkgo biloba</i> L.	China	Kaempterol-3-rhamnoglucoside, gibberellin, cytokinin, ginkgolic acid, ginkgol, bilobal, ginnol, ginkgolides, querretin, quercitrin, ginkgetin, rutin, isoginketine, bilobetin, isorhamnetin, shikimic acid, D-glucaric acid, anacardic acid. ^{33,48,510,511}	Antitussive, antiasthmatic, anodyne, treat coronary artery disease, angina pectoris, hypercholesterolemia, Parkinson's disease.
	N.A.	Ginkgocide A, B, C, J, and M, flavonoids, bilobalide, sciadopitysin, ginkgetin, isoginkgetin, bilobetin, carotenoids, 4'-O-methylpyridoxine. ^{133,134,135,136,137,311,510,511}	Treat dementia and cerebral insufficiency, relieve asthma, treat cerebral disorders.
<i>Glechoma hederacea</i> L.	China	l-pinocamphone, l-menthone, 1,8-cineol, isomenthone, l-pulegone, alpha-pinene, beta-pinene, isopinocamphone, limonene, menthol, alpha-terpineol, linalool, p-cymene. ⁴⁸	Febrifuge, anodyne, treat earache, fever, toothache, diuretic, decoagulant, arthritis.
	N.A.	Glechomine, tannins, flavonoids, resins, saponins, sesquiterpene. ⁹⁹	For mucous (respiratory) problems, glue ear, lung congestion, urine retention.
<i>Glycine max</i> (L.) Merr.	China	Protein, isoflavone derivatives, genistein, daidzein, riboflavin, thiamin, niacin, pantothenic acid, choline. ^{33,67}	Phytoestrogenic, elevate the vasomotor system, prevent cancer, a potent inhibitor of protein tyrosine kinase.
	N.A.	Lecithin, globuline, glycine, mineral, daidzine astrogen, caffeic acid, choline, coumestrol, tocopherol, saponins, phytic acid, isoflavones, protein, fatty acid, vitamins, carbohydrates, and fiber. ^{130,138}	Prevent arteriosclerosis and coronary heart disease, an astringent, treat hypercholesterol, a starting source of stigma sterol.

Scientific Name	Source	Major Constituents	Therapeutic Values*
<i>Glycyrrhiza uralensis</i> Fisch. ex DC	China	Glycyrrhiza, triterpenoid saponin, flavonone glucoside, liquiritin, aglycone, liquiritigenin, chalcone glucose, isoliquiritin, aglycone, isoliquiritigenin. ^{1,33,510,511}	Anti-inflammatory, anticonvulsant, calminative, antidote. Antispasmodic, antiulcer.
	N.A.	Triterpene saponins, chalcones flavonoids, isoflavonoids. ^{99,312,511}	Sweet-tasting tonic, treat sore throats, wheezing, coughs, canker sores, peptic ulcer, and gastritis.
<i>Gnaphalium uliginosum</i> L.	China	Fat, resin, phytosterol, essential oils, carotene, vitamin B ₁ . ^{48,49,50}	Remedy for lung disease, antifabrice, antimalarial, reduce blood pressure and stomach and intestinal ulcers. Externally for wounds.
	N.A.	Volatile oil, tannins. ⁹⁹	An astringent, antiseptic, decongestant.
<i>Gossypium herbaceum</i> L.	China	Gossypol, hemigossypol, 6,6'-dimethoxylgossypol, aflatoxin B (in seed), methoxylhemigosipol, acetovanillone, hirsutrin (in leaf). ³³	Antitussive, treat bronchitis.
	N.A.	Gossypol, flavonoids. ⁹⁹ This herb is toxic.	As a labor-inducing agent, promote abortion or onset of menstruation. Gossypol causes infertility in men.
<i>Hibiscus rosa-sinensis</i> L.	China	Protein, thiamine, riboflavin, niacin, cyandidin-3-sophoroside. ⁵⁰	Used as poultice on cancerous swellings and mumps.
	N.A.	Mucilage, citric, malic, tartaric acids, hibiscus acid, thiamine, gossypetin, anthocyanin, myristic acid, palmitic acid. ^{100,107}	Soothing effect on mucous membranes that line the respiratory and digestive tracts. Seeds used for cramps, flowers as an astringent.

<i>Hibiscus sabdariffa</i> L.	China	Saponin, saponaretin, vitexin. ⁵⁰	Stomachic, diuretic, expectorant, hematochezia, gas, vertigo.
	N.A.	Mucilage, citric, malic, tartaric acids, hibiscus acid, thiamine, gossypetin, anthocyanin, myristic acid, palmitic acid. ^{100,107}	Soothing effect on mucous membranes that line the respiratory and digestive tracts. Seeds used for cramps, flowers as an astringent.
<i>Hierochloe odorata</i> (L.) Beauv.	China	Coumarin, coumarinic acid- β -glucoside. ⁴⁸	Relieve internal bleeding, kidney infection.
	N.A.	Coumarin, massoilactone, lactone. ¹⁰³	Treat cough, sore throat, venereal infection, bleeding after childbirth, chapped or wind-burned skin, and eye irritations.
<i>Hippophae rhamnoides</i> L.	China	Cryptoxanthin, harman, harmol, hemin, isorhamnetin, lycopene, serotonin, isorhamnetin-3-mono-beta-D-glucoside, fatty acids, flavonoid, essential oils, tannins, quercitin, vitamin C, vitamin E, beta-carotenoid. ⁵⁰	Improve resistance to infection, skin irritation and eruption, treat heart disease, oil for cosmetic use.
	N.A.	Carotenoid, flavonoid, essential oil, fatty acids, tannins, quercitin, provitamin A, vitamins C, B complex, and E. ^{102,139,140,141}	Improve resistance to infection, skin irritation and eruptions. Treat heart conditions, good source of vitamins C and E.
<i>Hordeum vulgare</i> L.	China	Enzymes such as invertase, amylase, proteinase, vitamin B, vitamin C, maltose, dextrose. ³³	Improve digestion of carbohydrates and protein.
	N.A.	Hordenine, gramme. ⁹⁹	For minor infections of diarrhea, treat fever.
<i>Humulus lupulus</i> L.	China	Humulone, resin, lupulone, isohumulone, isovaleric acid. ³³ This herb is toxic.	Inhibit the growth of tubercle bacillus and arrest tuberculosis.

Scientific Name	Source	Major Constituents	Therapeutic Values*
	N.A.	Humulone, lupulone, humulene, alpha, beta-acids, polyphenols, steroids, resins, tannins. ^{103,142,143}	Sedative effect, hypnotic, stomachic, diuretic. Against gram-positive organisms and tuberculosis.
<i>Hyoscyamus niger</i> L.	China	Alkaloid. ⁶⁰ This herb is mildly toxic.	Antispasmodic activity.
	N.A.	Tropane alkaloids, hyoscyamine, hyoscine. ¹⁰⁵ Overdose can be toxic.	For asthma, whooping cough, motion sickness. Externally for neuralgia and dental and rheumatic pain.
<i>Hypericum perforatum</i> L.	China	Quercetin, quercitrin, isoquercitrin. ^{33,53}	Antipyretic, antibacterial, detoxicant effect, treat acute icteric hepatitis, lower blood pressure, dysmenorrhea, gonorrhea, skin ailments.
	N.A.	Hypericin, hyperoside, rutin, quercetin, chlorogenic acid, pseudohypericin, flavonoids. ^{99,100,102}	Antidepressant, anti-inflammatory, diuretic, antiseptic and astringent properties.
<i>Illicium verum</i> Hook f.	China	Anethol, anisaldehyde, safrole, anisic ketone. ³³	Warming the viscera, expelling cold, relieve pain.
	N.A.	Anethole, methyl chavicol, safrole. ¹⁰⁰	Antibacterial, stimulant, diuretic and digestive properties, for rheumatism, back pain, hernias.
<i>Impatiens balsamina</i> L.	China	Gentisic acid, ferulic acid, p-coumaric acid, sinapic acid, caffeic acid, scopoletin, lawsone. ³³	Treat arthritis, relieve pain.

	N.A.	Balsaminones, 2-methoxy-1, 4-naphthoquinone, saponins, quercetin, kaempferol derivatives, balsaminasterol, parinaric acid, hosenkosides. ³⁰²	Remedy for rashes, pain caused by insect bites, anti-inflammation.
<i>Inula britannica</i> L. <i>I. japonica</i> Thunb.	China	Inusterol A, taraxasterol, inusterol B, inulicin, flavone, caffeic acid, chlorogenic acid, isoquercitrin, quercetin. ^{48,50}	Discutient, vulnerary, carminative, deobstruent, diuretic, treat ascites, bronchitis, cancer, chest congestion.
	N.A.	Volatile oil, flavonoids, phenolic acids, triterpenes, taraxasterol. ⁹⁹	An expectorant. For bronchitis, wheezing, chronic coughing, chest complaints.
<i>Isatis tinctoria</i> L.	China	Quercetin, kaempferol, stachyose, manneotetrose, lupeose, cicerose, isatan, indoxyl-5-ketogluconate. ⁵⁰	Antiviral, antibacterial, increase blood flow, improve microcirculation, lower blood pressure.
	N.A.	No information is available in the literature.	For meningitis, encephalitis, mumps, influenza, erysipelas, heat rash, sore throat. ³³⁵
<i>Jatropha gossypifolia</i> L.	China	Phytotoxin, curcin, curcasin, arachidic, linoleic acid, myristic acid, oleic acid, palmitic acid, stearic acid. ⁵⁰ This herb (seed) is toxic.	Seed oil emetic, laxative, purgative, treat skin ailments.
	N.A.	Jutrophine, emetic, purgative oil, diterpene jatrophone, isovitexin, resins, isophytosterol, tannin, cyanidin, apigenin, histamine. ^{145,146} This herb is toxic.	A folk remedy for cancer. Treat asthma, constipation, diabetes, diarrhea. It is a disinfectant, laxative. Externally applied to piles and burns.
<i>Juglans regia</i> L.	China	Alpha-hydrojuglone-4-β-D-glucoside, jugone, juglanin. ³³	Nourish and invigorate the lungs and kidneys.
	N.A.	Tannin, juglandin, juglone, hydrojuglone. ¹⁴⁷	Astringent, hemostatic, anti-inflammatory, antispasmodic, antiphlogistic, and mild sedative.

Scientific Name	Source	Major Constituents	Therapeutic Values*
<i>Juniperus rigida</i> Sieb. et Zucc.	China	Alpha-pinene, myrcene, carene, limonene, p-cymene, beta-elemene, caryophyllene, humulene, r-cadinene, terpinene, borneol, citronellol, anethole. ⁴⁸	Hemorrhage, treat hemoptysis, inflammation, kidney infection, arthritic joint infection.
	N.A.	Myrcene, sabinene, alpha-pinene, beta-pinene, cineole, tinnins, diterpenes, resin. ⁹⁹ This herb is potentially toxic.	A tonic, diuretic, antiseptic, for cystitis, relieve fluid retention.
<i>Kaempferia galanga</i> L.	China	Borneol, camphor, cineol, ethyl alcohol. ⁴⁹	Stomachic, carminative, stimulant.
	N.A.	n-pentadecane, ethyl cinnamate, ethyl-p-methoxycinnamate, carene, camphene, borneol, p-methoxystyrene. ¹⁰⁰	Carminative, diuretic, expectorant, pectoral, stimulant.
<i>Lawsonia inermis</i> L.	China	Alpha-ionone, beta-ionone, gallic acid, lawsone. ⁵⁰	Antibiotic, antitumor, anthelmintic, astringent, bactericidal, fungicidal, sedative.
	N.A.	Coumarins, naphthaquinones, lawsone, flavonoids, sterols, tannins. ⁹⁹	As a gargle for sore throats, treat diarrhea, dysentery. An astringent, prevent hemorrhaging.
<i>Ledum palustre</i> L.	China	Alpha-pinene, camphene, sabinene, myrcene, alpha-phellandrene, beta-pinene, limonene, quinene, isothujene, ascaridol, arbutin ericolin. ⁴⁸	Treat cough, asthma, lower blood pressure, antifungal.
	N.A.	Coumarins, naphthaquinones, lawsone, flavonoids, sterols, tannins. ¹⁰⁰	A gargle for sore throat, for diarrhea, dysentery. Prevent hemorrhaging, promote menstrual flow.

<i>Lemna minor</i> L.	China	Luteolin-7-beta-D-glucopyranoside. ⁵⁰	For circulation, measles, swollen feet, depurative, diuretic, soporific.
	N.A.	Arginine, lysine, iron manganese. ¹⁰²	For fever, skin disease, rash, and water retention.
<i>Lepidium virginicum</i> L.	China	Isothiocyanates. ⁵⁰	Antibacterial, cardiotoxic.
	N.A.	Vitamin C. ⁹⁹	Treat poison ivy symptoms, vitamin C deficiency, diabetes, expel intestinal worms.
<i>Ligustrum lucidum</i> Mill.	China	Nuzhenide, oleanolic acid, ursolic acid. ³³	Increase leukocyte count, a cardiac tonic, diuretic.
	N.A.	Essential oil, phthalides, terpenoids. ¹⁰⁰	Prevent bone marrow loss, treat acquired immune deficiency syndrome, respiratory tract infections, hypertension, Parkinson's disease, and hepatitis.
<i>Linaria vulgaris</i> Miller	China	Peganine, linarin, pectolinarin, neolinarin, flavons, pectolinarigenin, linaracrine, linarezine, phytosterine. ⁴⁸	Diuretic, treat headache, dizziness, heart conditions. Externally treat burns, skin diseases.
	N.A.	Linarin, sterols, sugars, tannins, mucilage. ⁹⁹	Treat jaundice, chronic constipation, skin disease.
<i>Linum usitatissimum</i> L.	China	Fatty acids, geranylgeraniol, cholesterol, campesterol, orientin, stigmaterol, avenasterol, vitexin cycloartenol, eicosanol, leucine, valine, linamarin, lotaustralin. ⁴⁸	For diarrhea, sensitive skin, itchiness, loss of hair.
	N.A.	Linseed oil, linoleic acid, linolenic acid, stearic acid, oleic acid, mucilage, linamarin. ⁹⁹	Relieve constipation, demulcent, laxative. Externally as a poultice for boils, burns.

Scientific Name	Source	Major Constituents	Therapeutic Values*
<i>Lithospermum erythrorhizon</i> Sieb. et Zucc. <i>L. officinale</i> L.	China	Quinonoid, alkannan, acetylshikonin, shikonin, lithospermin, dihydroshikonin, cycloshikonin. ^{1,69}	Ointment to treats wounds and burns, antitumor, antipyretic, regulate blood circulation, diuretic, purgative, remedy for smallpox.
	N.A.	Lithospermic acid. ¹⁰⁰	Used as a form of birth control, prevent gonadotrophin from stimulating ovaries in lab mice.
<i>Lobelia chinensis</i> L.	China	Lobeline, lobelanine, lobelanidine, isolobelamine (lobeline has been approved by the FDA to curb the tobacco habit). ^{33,50,71} This herb may be toxic.	Diuretic, increase respiration via stimulation of carotid chemoreceptors. Treat snake bites, insecticide, reduce swellings, depurative, antirheumatic, antisyphilitic.
	N.A.	Stictic acid, sticinic acid, fatty acids, mucilage, tannins. ⁹⁹	Expectorant, tonic. For congested mucus, increase appetite.
<i>Lonicera japonica</i> Thunb.	China	Luteolin, inositol, lonicerin, loganin, syringin, saponins, tannin, chlorogenic acid, luteolin-7-rhamnoglucoside. ^{33,48,55}	Inhibit tuberculosis bacillus and counter infection.
	N.A.	Volatile oil, tannins, salicylic acid. ^{99,102}	Diuretic, antispasmodic, relieve gout, kidney stones, coughs, as a gargle for sore throats, canker sores.
<i>Lophanthus rugosus</i> Fisch. et May	China	Essential oils. ⁴⁹	Carminative, stomachic.
	N.A.	Volatile oils. ¹⁰⁵	Antibacterial, stimulate the digestive system, relax spasm, lower fever.

<i>Luffa aegyptiaca</i> Mill. <i>L. cylindrica</i> Roem.	China	Xylose, mannosan, galactan, saponins, acetic acid, valeric acid, pinenes, limonene, cineole, menthone, linalool, bourbonene, caryophyllene, menthol, carvone, vitamins A, B, C. ^{49,50}	Hemostatic, analgesic in enterorrhagia, dysentery, metrorrhagia, orchitis, hemorrhoids.
	N.A.	Xylan, xylose, galactan. ⁹⁹	Treat pain in the muscles, joints, chest, and abdomen.
<i>Lycium barbarum</i> L.	China	Betaine, zeaxanthin, physalein, carotene, nicotinic acid, vitamin C. ³³	Increase leukocyte count, increase immunity, stimulate tissue development.
	N.A.	Betaine, beta-sitosterol. Berry has physalin, carotene, vitamins B ₁ , B ₁₂ , C. Root has cinnamic acid, psyllic acid. ⁹⁹	Berry: treat high blood pressure, a tonic to protect liver, menopausal complaints. Root: treat chronic fevers, lower blood pressure, internal hemorrhage, tuberculosis.
<i>Lycium chinense</i> Miller	China	Cinnamic acid, betaine, peptides, acyclic diterpene glycosides, polysaccharide, kukoamines. ³³	Lower blood sugar and blood pressure, antipyretic, stimulate uterine contractions, antibacterial.
	N.A.	Betaine, beta-sitosterol. ⁹⁹	Treat high blood pressure, menopausal complaints.
<i>Lycopersicon esculentum</i> L.	China	Protein, vitamin A, thiamine, nicotinic acid, riboflavin. ⁵⁰	Relieve toothache, insecticide, laxative.
	N.A.	Carotene, thiamine, nicotinic acid, riboflavin, folic acid, pantothenic acid, biotin, glutamic acid, serine, glycine, aminobutyric acid, globulin, amino acids. ¹⁰⁰	An antiseptic, aperient, depurative, digestive, pectoral, a folk remedy for asthma.
<i>Lycopodium annotinum</i> L.	China	Clavatine, lycopodine, complanatine, alpha-obscurine, serratenediol, tohogenol. ⁴⁸	Relieve numb feeling, arthritis pain, sexually transmitted disease.

Scientific Name	Source	Major Constituents	Therapeutic Values*
	N.A.	Lycopodine, polyphenols, flavonoids, triterpenes. ⁹⁹	Diuretic, sedative, antispasmodic. Treat chronic urinary complaints.
<i>Lycopodium clavatum</i> L. <i>L. obscurum</i> L.	China	Lycopodine, lycodoline, clavatine, fawcetine, clavoloninine, fawcetimine, deacetyl fawcetine, clavatoxine, nicotine, vanillic acid, ferulic acid, azelaic acid, alpha-onocerin, lycoclavanol, lycoclavanin, lycopodine. ^{33,48}	Relieve the rigidity of muscles and joints, treat arthritis and dysmenorrhea.
	N.A.	Lycopodine, dihydrolycopodine, resins, myristic acid, polyphenols, flavonoids, triterpenes. ⁹⁹	A diuretic for kidney and bladder complaints.
<i>Lythrum salicaria</i> L.	China	Tannin, salicarin, chlorogenic acid, cyanidin-3-monogalactoside, ellagic acid, malvidin, malvin, orientin, vitexin. ^{50,72}	Astringent, styptic, treat bacillary dysentery.
	N.A.	Tannin, triacylglycerols, salicarin, vitexin. ⁹⁹	Lower serum cholesterol, glucose, and triglyceride levels, and antiatherosclerotic action. Relieve diarrhea, gargle for sore throat, clean wounds.
<i>Magnolia liliflora</i> Desr.	China	Flower: eugenol, safrole, citrol, anethol. Leaf: salicifoline, magnocurarine. ³³ Essential oils, citral, safrole, anethole, estragole, cineol, eugenol. ⁴⁹	Relieve nasal congestion, sinusitis, rhinitis, coryza, headache, vertigo.
	N.A.	Volatile oil, magnocurarine. ⁹⁹	Relieve cramping pain and flatulence, for abdominal distension, indigestion, loss of appetite, vomiting, diarrhea.

<i>Magnolia officinalis</i> Rehd. et Wils.	China	Tannin, salicarin, chlorogenic acid, cyanidin-3-monogalactoside, ellagic acid, malvidin, malvin, orientin, vitexin. ^{50,72}	Astringent, styptic, treat bacillary dysentery.
	N.A.	Volatile oil, magnocurarine. ⁹⁹	Relieve cramping pain and flatulence, for abdominal distension, indigestion, loss of appetite, vomiting, diarrhea.
<i>Manihot esculenta</i> Crantz.	China	Hydrocyanic acid. ⁷⁶ This herb is toxic.	To dress ulcerous sores.
	N.A.	Cyanogenic glycosides. ⁹⁹	Treat scabies, diarrhea, dysentery.
<i>Matricaria chamomilla</i> L.	China	Volatile oil, azulene, isoamyl, isobutyl, angelic acid, tiglic acid, anthelmic acid, tannin, malic acid. ⁷⁷	Carminative, diaphoretic.
	N.A.	Flavonoid, glycosides, tannins, luteolin, n-coumaric acid, herniarin, cynaroside, umbelliferone, alpha-bisabolol, azulene, anthemidin, luteolin, coumarins. ^{99,100,107}	Antispasmodic for relieving cramps, nervous digestive upsets, insomnia, antiallergenic.
<i>Matteuccia struthiopteris</i> (L.) Todaro.	China	Ponasterone A, ecdysterone, pterosterone, filicin. ⁴⁸	Tonic, lower blood pressure.
	N.A.	Palmitic acid, astragalol, caffeic acid, chlorogenic, p-coumaric, oleoresins, p-hydroxybenzoic, vanillic, stigmasterol, protocathechuic, beta-sitosterol, ferulic, campesterol. ¹⁴⁸	Expel parasites, treat inflammation of lymphatic glands.

Scientific Name	Source	Major Constituents	Therapeutic Values*
<i>Medicago sativa</i> L.	China	Lucernol, sativol, coumesterol, formonetin, daidzein, tricin, citrulline, canaline, dicoumarol, methylene-bishydroxy-coumarin, medicagemic acid, ononitol, petunidin, myrcene, malvidin, delphinidin, linalool, limonene. ⁴⁸	Depurative, deobstruent, diuretic, stomachic, treat intestinal and kidney disorders, kidney stone, poor night vision.
	N.A.	Isoflavones, coumarins, alkaloids, vitamins, porphyrins, stachydrine, l-homostarchydrine. ^{100,102}	For menstruation and menopause.
<i>Melaleuca leucadendra</i> L.	China	Cajupputol, terpinol, l-pinene, aldehydes. ¹⁸⁹	Against rheumatism and pain in the joints.
	N.A.	Terpenoids, cineole, beta-pinene, alpha-terpineol. ⁹⁹	Antiseptic, treat cold, sore throats, coughs, chest infections.
<i>Melia azedarach</i> L.	China	Toosendanin, nimbin, kulinone, methylkulonate, melianol, gedunin, melianodiol, melianotriol, melialactone, azadarachtin, nimbolins, fraxinella, palmitic acid, lauric acid, valerianic acid, butyric acid, stearic acid, cycloencalenol. ^{33,49} This herb is toxic.	Treat intestinal parasite, antibacterial, anthelmintic.
	N.A.	Meliacins, triterpenoid bitters, tannins, flavonoids. ¹⁰⁰	For hemorrhoids, malaria, peptic ulcers, intestinal worms. Antifungal, antiviral, anti-inflammatory, antibacterial.

<i>Melilotus alba</i> Medik.	China	Hydroxycinnamic acid, coumarinic acid, 4-hydroxycinnamic acid, coumaric acid, umbelliferone, scopoletin, melilotoside, melilotic acid, beta-D-glucosyloxy, dicumarol, chlogogenic acid, caffeic acid, melilotic acid. ⁴⁸	Anticoagulant, treat bowel complaints, infantile diarrhea. A bactericide.
	N.A.	Flavonoids, coumarins, resin, tannins, volatile oil, dicoumarol. ¹⁰²	Relieve varicose veins and hemorrhoids, reduce the rash of phlebitis and thrombosis.
<i>Mentha arvensis</i> L. <i>M. haplocalyx</i> Briq.	China	Menthol, menthone, menthyl acetate. ³³	Stimulate gastrointestinal tract motility and central nervous system, dilate peripheral blood vessels. Increase sweat gland secretion.
	N.A.	Menthol, menthone, menthyl acetate, camphene, limonene, terpenoids. ⁹⁹	Treat colds, sore throats, sore mouth.
<i>Menyanthes trifoliata</i> L.	China	Aromadendrine, betulinic acid, cadinene, choline, gentiatibetin, cineole, dihydrofoliamenthin, foliamenthin, gentialutine, loganin, gentianine, gentiatibetine, invertin, gurjuncene, meliatin, menthiafolin, menyanthin, secologanin, alpha-spinasterol, stigmast-7-enol, trifolioside. ⁵⁰	Antitumor, increase gastric secretions, as cathartic, cholagogue, narcotic, sedative, tonic, vermifuge.
	N.A.	Iridoid glycosides, flavonol glycosides, coumarins, phenolic acids, sterols, triterpenoids, tannins. ⁹⁹	Stimulate digestive secretions, treat fluid retention, scabies, and fever.
<i>Mimosa pudica</i> L.	China	Minosine. ⁷⁸ This herb is toxic if overdose.	Treat neurosis, trauma wound, and hemoptysis. It has a tranquilizing effect.
	N.A.	Nigerine (N, N-dimethyltryptamine). ¹⁰⁰	An astringent, cure fatigue, fortify the uterus.

Scientific Name	Source	Major Constituents	Therapeutic Values*
<i>Momordica charantia</i> L.	China	Anti-HIV protein MAP 30. ³³	For immune disorders and common infections. Capable of inhibiting infection of HIV-1 in T. lymphocytes and monocytes.
	N.A.	Fixed oil, insulin-like peptide, mormordin, charantin, mormordicine. ⁹⁹	Treat diabetes, ulcers, urinary stones, a stomach tonic, induces menstruation.
<i>Morus alba</i> L.	China	Morin, dihydromorin, maclurin, dihydrokaempterol, mulberrin, 2,4,4',t-tetrahydroxybenzophenone, mulberrochromene, cyclomulberrochromene. ³³	Antirheumatic, antihypertensive, diuretic, remove obstructions of the intestinal tract.
	N.A.	Flavonoids, anthocyanins, artocapin, vitamins A, B ₁ , B ₂ , and C. ⁹⁹	An expectorant, help coughing up of mucus.
<i>Myristica fragrans</i> Houtt.	China	Lauric acid, myristic acid, stearic acid, hexadecenoic acid, oleic acid, linoleic acid, amyloextrins, pectins, resins, campherene, cymene, dipentene, eugenol, geraniol, isoeugenol, linalool, myristicin, pinene, safrole, terpineol. ⁵⁰ Volatile oil from this herb may be toxic.	For hysteria, hypochondria, agoraphobia, laughter, cramps, crying jags, dysmenorrhea, amnesia.
	N.A.	Safrole, myristicin, lauric acid, oleic acid, stearic acid, hexadecenoic acid, linoleic acid, d-camphene. ^{98,130}	For diarrhea, dysentery, vomiting, abdominal distention, indigestion, and colic.
<i>Narcissus tazetta</i> L.	China	Lycorine, tazettine, narcitine. ^{49,60} Toxic if overdose.	Antiphlogistic, analgesic for boils, abscesses, mastitis.
	N.A.	Acetylated alkaloids, lectins. ^{149,150,151}	

<i>Nicotiana tabacum</i> L.	China	Nicotine, nicotimine, nicotelline. ⁶⁰ This herb is toxic.	Treat soreness in the joints, numbness, hemicrania, poisonous snakebites, insecticide, antidysenteric, emetic.
	N.A.	Alkaloids, nicotine, volatile oil. ⁹⁹ Nicotine is toxic.	A good insecticide. No longer used medicinally.
<i>Oenothera biennis</i> L.	China	6,9,12-octadecatrienoic acid. ⁴⁸	Lower cholesterol, regulate heart beat, treat arthritis.
	N.A.	Linoleic acid, linolenic acid, phenolics, flavonoids, tannins. ^{103,118,152}	Treat asthma, arteriosclerosis, multiple sclerosis, atopic eczema, schizophrenia, diabetic neuropathy, cardiovascular diseases, antitumor.
<i>Oxyria digyna</i> (L.) Hill	China	Protein, fat, mineral elements. ⁴⁸	For hepatitis.
	N.A.	Protein, fat, ash, carbohydrate, retinol, mineral elements. ²¹⁰	Used as nutrient food.
<i>Paeonia albiflora</i> Pall.	China	Benzoic acid, paeoniflorin, oxypaeoniflorin, benzoyl paeoniflorin, albiflorin. ^{14,15}	Carminative, antispasmodic, analgesic, sedative.
	N.A.	Monoterpenoid glycosides, paeoniflorin, albiflorin, benzoic acid, pentagalloyl glucose. ¹⁵³	Antispasmodic, tonic, astringent, analgesic.
<i>Paeonia lactiflora</i> Pall.	China	Benzoic acid, paeoniflorin, oxypaeoniflorin, benzoyl paeoniflorin, albiflorin. ^{14,15,510}	Carminative, antispasmodic, analgesic, sedative.
	N.A.	Monoterpenoid glycosides, benzoic acid, albiflorin, paeonol, astragalol, palmitic acid, gallotannin, pentagalloyl tannin, beta-sitosterol, benzoic acid, myoinositol, pentagalloyl glucoside. ^{99,153,511}	Antispasmodic, tonic, astringent, analgesic, sedative, anti-inflammatory, prophylactic effect on stress ulcer and hypotension.

Table 2 Chinese and North American Medicinal Herbs Belonging to the Same Species: Major Constituents and Therapeutic Values (continued)			
Scientific Name	Source	Major Constituents	Therapeutic Values*
<i>Paeonia officinalis</i> L.	China	Benzoic acid, paeoniflorin, oxypaeoniflorin, benzoyl paeoniflorin, albiflorin. ^{14,15}	Carminative, antispasmodic, analgesic, sedative.
	N.A.	Glycosides, tannins, anthocyanidin, peregirine, paeonine. ^{99,147}	Antispasmodic, diuretic, sedative properties.
<i>Paeonia suffruticosa</i> Andr.	China	Paenol, paeonoside, paeonin, pelargonin, paeonolide, astragalin (paeoniflorin contained in <i>P. mourian</i>). ^{1,2,33}	Sedative, antipyretic, analgesic actions.
	N.A.	Monoterpenoid glycosides, benzoic acid. ^{99,153,154}	Antispasmodic, tonic, astringent, analgesic.
<i>Panax ginseng</i> C. A. Meyer	China	Triterpenoid, quinquenosides, ginsenosides, oleanolic acid, panaxynol, beta-elemene, spemine, putrescine, spermindine. ^{26,53,510}	A stimulant, tonic, expectorant.
	N.A.	Ginsenosides, acetylenic compounds, polysaccharides, panaxosides. ^{103,125,140,141,155,156,314,511}	A stimulant, tonic, adaptogen, diuretic, stomachic agent, carminative, aphrodisiac, healing properties, provide energy, retard the aging process.
<i>Panax quinquefolium</i> L.	China	Ginsenosides, phytosterols. ²⁶	Stimulation effects on central nervous system, antifatigue.
	N.A.	Ginsenosides, acetylenic compounds, polysaccharides, panaxosides. ^{193,125,140,141,155,156}	A stimulant, tonic, adaptogen, aphrodisiac, healing properties, provide energy, retard the aging process. American ginseng may lower the blood pressure.

<i>Papaver rhoeas</i> L.	China	Rhoeadine, rhoegenine. ⁷²	For jaundice, as a gargle, or ingested as bechic.
	N.A.	Thebaine, oripavine, morphine, codeine. ^{99,100}	Mild sedative to induce sleep in babies, ease cough, relieve pain, narcotic analgesic, antitussive.
<i>Papaver somniferum</i> L.	China	Berberine, codeine, papaverine, isocorypalmine, laudanine, magnoflorine, meconine, 6-methylcodine, morphine, narcotine, pseudomorphine, rhoeadine, sanguinarine, beta-sitosterol, stigmasterol, thebaine, zanthaline. ⁵⁰	Antitussive, antispasmodic, analgesic, astringent, narcotic, treat chronic enteritis, diarrhea, enterorrhagia, headache, toothache, asthma.
	N.A.	Morphine, narcotine, codeine, papaverine, meconic acid, albumin, mucilage, sugars, resin, wax. ⁹⁹	Sedate or suppress nervous system activity, pain, and coughs.
<i>Paris quadrifolia</i> L.	China	Alpha-paristypninn, diosgenin glycoside. ⁵⁰	Antispasmodic, anti-inflammatory, febrifuge.
	N.A.	Paradin, paridol, paristypninn, l-asparagine, citric acid, pectin. ¹⁰⁰ Overdose of this herb is toxic.	For bronchitis, cramps, gout, neuralgia, rabies, tumors, ulcers.
<i>Perilla frutescens</i> (L.) Britt.	China	l-perilla, aldehyde, apigenin, luteolin, 3-p-coumarylglycoside-5-glucoside of cyanidin, 7-caffeyl-glucosides of apigenin and luteolin, anthocyanins. ^{33,50}	Antibacterial, antitussive, stomachic, antiseptic.

Scientific Name	Source	Major Constituents	Therapeutic Values*
	N.A.	Protein, flavone glycosides, shishonin, anthocyanin, perillanin chloride, aldehyde antioxine, citral, l-limonene, alpha-pinene. ¹⁰⁰ This herb may be toxic.	Antispasmodic, diaphoretic, sedative, treat pulmonary and uterine disorders.
<i>Phaseolus vulgaris</i> L.	China	Alpha-globuline, beta-globulin, fatty acids, vitamins A, B, and B ₂ , robinin, kaempferol-3-robinobiosido-7-rhamnoside. ⁴⁸	Diuretic, for abscesses, beri-beri, dysentery, sores, swelling.
	N.A.	Allantoin, sugars, leucine, tyrosine, arginine, inositol. ⁹⁹	The pods are diuretic, stimulating urine flow, and flushing toxins from the body.
<i>Phellodendron amurense</i> Rupr. <i>P. chinensis</i> Schneid	China	Berberine, palmatine, candicine, phellodendrine, obacunone. ³³	Antibacterial, stimulate the phagocyte activity of leukocytes, against dysentery.
	N.A.	Isoquinoline alkaloids (berberine), sesquiterpene lactones, sterols. ¹⁵⁷	Treat diarrhea, dysentery, jaundice, vaginal infection, skin conditions.
<i>Phragmites communis</i> Trin.	China	Glycosides, protein, asparagin. ⁴⁹	A stomachic, antiemetic, antipyretic. Treat arthritis, jaundice, pulmonary abscess.
	N.A.	Protein, carbohydrate, crude fiber, minerals. ¹⁹⁰	For fevers, vomiting, coughs, urinary tract infections.
<i>Phyllostachys nigra</i> Munro.	China	Benzoic acid, silica, potassium hydroxide, aluminum oxide, iron oxide, calcium.	Antipyretic, hematuria, sedative, antiemetic, antispasmodic in catarrh.
	N.A.	No information is available in the literature.	Diuretic, lower fever, treat lung infections with cough and phlegm.

<i>Physalis alkekengi</i> L.	China	Physanols, physalien, zeaxanthin, glycolic acid, cryptoxanthin, physoxanthin, mutaxanthin, auroxanthin, physalin A, B, and C, luteolin, tigloidine, physalines, hystonin. ^{33,48}	Antibacterial, stimulates myocardial contraction, causes vasoconstriction, uterine contraction.
	N.A.	Physalin, vitamin C, alkaloids, flavonoids, sterols. ⁹⁹	Diuretic, treat kidney and urinary disorder.
<i>Phytolacca acinosa</i> Roxb.	China	Phytolacine, phytolaccatoxin, oxyristic acid, jaligonic acid, saponins. ³³	Antitussive, diuretic, antibacterial, anti-inflammatory.
	N.A.	Triterpenoid saponins, lectins, proteins, resin, mucilage. ⁹⁹ This herb is toxic.	Anti-inflammatory, antiviral, treat rheumatic and arthritic conditions, respiratory tract infections.
<i>Phytolacca americana</i> L.	China	Phytolacine, phytolaccatoxin, oxyristic acid, jaligonic acid, saponins. ³³	Antitussive, diuretic, antibacterial, anti-inflammatory.
	N.A.	Caryophyllen, isobetanine, isoprebetanine. ^{99,100}	Treat catarrh, dyspepsia, granular conjunctivitis, and rheumatism.
<i>Pinus sylvestris</i> L.	China	Essential oil, limonene, pinitol. ³³	Antitussive, antiasthmatic, antibacterial.
	N.A.	Alpha-pinene, beta-pinene, delta-limonene. ^{98,99}	Mild antiseptic effect, essential oil for asthma, respiratory infections, digestive disorder.
<i>Piper cubeba</i> L.	China	Cubebin, dipentene, cadinene, cineol, carene, camphene, pinene, sabinene, azulene, terpineol. ⁴⁹	Urinary antiseptic, stomachic, carminative.
	N.A.	Volatile oil, cubebin, piperidine, resin. ⁹⁹	Antiflatulent, antiseptic, relieve digestive problems.
<i>Piper longum</i> L.	China	Volatile oil, piperine.	Antipyretic, carminative, aromatic stomachic, analgesic in gastralgia, flatulence, headache.

Scientific Name	Source	Major Constituents	Therapeutic Values*
	N.A.	Piperine, volatile oil, protein, l-phyllandrene, caryophyllene. ¹⁰⁰	Stimulant effect on digestive and circulatory system.
<i>Piper nigrum</i> L.	China	Piperine, chavicine, piperamine, piperonal, dihydrocarveol, cryptone, caryophyllene. This herb may cause irritation to the system. ^{33,45}	Anticonvulsive, sedative.
	N.A.	Piperine, volatile oil, protein, l-phyllandrene, caryophyllene. ¹⁰⁰	Stimulant effect on digestive and circulatory system.
<i>Pistacia lentiscus</i> L.	China	Masticinic acid, masticonic acid, masticoresene, fisetin, fustin, gallic acid, quercetin, taxifolin. ^{49,50}	Antitumor, antitussive, analgesic, sedative in gastralgia, cardiodynia, mastitis, peptic ulcer.
	N.A.	Alpha-masticoresin, beta-masticoresin, alpha-pinene, tannins, masticin, mastic acid. ⁹⁹	As an expectorant for bronchial troubles and coughs, treat diarrhea.
<i>Plantago asiatica</i> L.	China	d-xylose, l-arabinose, d-galacturonic acid, l-rhamnose, plantasan, plantenolic acid, plantagin, homoplantagin, aucubin, ursolic acid, hentriacontane. ^{48,510}	Diuretic, expectorant, intestinal infection, diarrhea caused by bacteria.
	N.A.	Mucilage, linoleic, oleic, palmitic acid, fiber. ^{100,124,511}	Demulcent, laxative, antidiarrheal.
<i>Plantago major</i> L.	China	Xylose, galacturonic acid, rhamnose, plantasan, plantenolic acid, plantagin, homoplantagin, aucubin, ursolic acid. ⁴⁸	Diuretic, expectorant, intestinal infection, diarrhea caused by bacteria.
	N.A.	Aucubin, mucilage, carotene, tannin, chlorogenic acid. ^{100,102}	Expectorant, emollient, demulcent, vulneraria, and astringent, soothing effects.

<i>Pogostemon cablin</i> Benth.	China	Essential oils. ⁶⁰	Antiseptic, for abdominal pain, cold, diarrhea.
	N.A.	Sesquiterpenes patchoulol, bulnesene. ⁹⁹	Aphrodisiac, antidepressant, antiseptic.
<i>Polygonatum odoratum</i> (Mill.) Druce	China	Convallarin, convallamarin, mucilage. ⁴⁹	Stimulate the appetite, increase peristalsis, slow the heart and raise the arterial tension, slow and deepen respiration, purgative.
	N.A.	Saponins, flavonoids, vitamin A. ⁹⁹	Prevent excessive bruising and stimulate tissue repair. An astringent, treats tuberculosis.
<i>Polygonum aviculare</i> L. <i>P. viviparum</i> L.	China	Avicularin, caffeic acid, tannin, chlorogenic acid, vitamin E. ^{33,60}	Treat urethritis, lithiasis, and chyluria. Against dysentery and parotitis, an antiarrhythmias agent.
	N.A.	Tannins, flavonoids, polyphenols, silicic acid, mucilage. ^{99,102}	With astringent and diuretic properties. Treat diarrhea, hemorrhoids, expel worms.
<i>Polygonum bistorta</i> L.	China	Iodine, oxalic acids, coumarins, gallic acid, hydroxycinnamic acids, ether oil, carotin, hydroxybenzoic acids, hydrocyanic acids, anthocyanidines, anthraquinones, phytosterines, caffeic acid, monoterpene, sesquiterpenen glucoside, avicularin, quercimeritrin, protocatechuic acid. ^{50,221,222,223,224}	Diuretic, laxative, hemostatic, antifebrile.
	N.A.	Chrysophanic acid, anthraquinones, lecithin. ⁹⁹	Mildly sedative, nourishes the blood, a tonic.
<i>Polygonum hydropiper</i> L.	China	Persicarin, rhamnazin, isotadeonal, quercimeritrin, tadeonal. ³³	Improve indigestion, treat dysentery and enteritis.
	N.A.	Chrysophanic acid, anthraquinones, lecithin. ⁹⁹	Mild sedative, nourishes the blood, a tonic.

Scientific Name	Source	Major Constituents	Therapeutic Values*
<i>Polygonum multifolrum</i> Thunb.	China	Chrysophenol, emodin, emodin methyl ester, rhein, glycoside raphantin, lecithin, parietin, chrysophanic acid, anthron. ^{33,46,54}	A laxative, detoxicant for boils. Treat neurosis, neurasthenia, insomnia, hypercholesterolemia.
	N.A.	Tannins, flavonoids, polyphenols, silicic acid, mucilage. ^{99,102}	With astringent and diuretic properties. Treat diarrhea, hemorrhoids, expel worms.
<i>Populus alba</i> L.	China	Salicin, populin, benzoyl salicin, tannin, erisin, salicinase, salicortin, tremulacin, salireposide. ⁵⁰	Depurative, for colic, eczema, herpes, labialis, fever, dysuria, antiseptic, antiperiodic.
	N.A.	Flavonoids, flavones, flavonols, flavanones, coumaric acid, cinnamic acid, terpenoids. ¹⁹⁰	Treat diabetes, high blood pressure, asthma.
<i>Poria cocos</i> (Polyporaceae)	China	Pachymic acid, tumulosic acid, eburicoic acid, pinicolic acid, pachymarose. ³³	A diuretic, cardi tonic, it has tranquilizing effect, lower blood sugar levels, it is antibacterial and anticancer.
	N.A.	Beta-pachyman, beta-pachymanase, pachymic acid. ⁹⁹	For urinary system, stress-related anxiety, tension headaches, palpitation, and difficulty in sleeping.
<i>Portulaca oleracea</i> L.	China	Potassium salts, catecholamines, norepinephrine, dopamine, vitamin A, vitamin B, magnesium. ^{33,49}	Antibacterial, diuretic, causes vasoconstriction, stimulate uterine and intestinal smooth muscle contraction.
	N.A.	Mucilage, calcium. ⁹⁹	Treat urinary and digestive problems. It has mild antibiotic effect.
<i>Poterium officinale</i> Benth.	China	Zi Yu glucoside I, Zi Yu glucoside II, sanguisorbin A, sanguisorbin B, sanguisorbin C. ³³	Astringent effect to stop diarrhea and relieve chronic intestinal infection, duodenal ulcer, and bleeding. Externally for eczema.

	N.A.	Tannins, sanguisorbic acid, dilactone, gum. ⁹⁹	Slow blood flow, treat heavy periods and uterine hemorrhage, externally for hemorrhoids, burns, wounds, and eczema.
<i>Primula vulgaris</i> Huds.	China	Primulagenin A, aegicerin, protoprimulagenin A. ⁴⁸	Relieve cough, throat infection.
	N.A.	Triterpenoid saponins, flavonoids, phenols, tannins, volatile oil.	Internally for bronchitis, respiratory tract infections, insomnia, anxiety, rheumatic disorders.
<i>Prunella vulgaris</i> L.	China	Caffeic acid, d-camphor, cyanidin, delphinidin, d-fenchone, hyperoside, oleanolic acid, rutin, ursolic acid. ⁴⁸	Antibacterial, antipyretic, cardiac tonic, diuretic, anticancer.
	N.A.	Tannins, saponins, aucubin, vitamins B, C, and K, caffeic acid, ursolic acid, betulinic acid, deanolic acid. ^{99,102}	Astringent, anti-inflammatory, hemostatic, gargle for sore throat, clean wounds.
<i>Prunus armeniaca</i> L.	China	Amygdalin, prunasin, fatty acids, mandelonitrile (enzyme amygdalase can hydrolyze amygdalin to produce cyanic acid). ^{33,53}	Stimulate respiratory center reflexively and produce a tranquilizing effect.
	N.A.	Amygdalin, prussic acid, cyanogenic glycoside, lactrile, hydrocyanic acid. ⁹⁹ Kernel is toxic.	Treat coughs, asthma, wheezing, and excessive mucus, constipation. Treat cancer.
<i>Prunus domestica</i> L.	China	Amygdalin, citric acid, fatty acids. ⁵³	Diuretic, laxative.
	N.A.	Cyanogenic glucosides. ³³⁶	For constipation, a laxative.
<i>Prunus mume</i> Siebold & Zucc.	China	Prudomenin, malic acid, succinic acid, citric acid, tartaric acid, amygdalin. ^{33,53}	Treat biliary ascariasis and hookworm.

Scientific Name	Source	Major Constituents	Therapeutic Values*
	N.A.	Laetrile, cyanide, beta-carotene, thiamine, ascorbic acid, malic acid, citric acid, oligopeptides, polysaccharide. ^{158,159}	Internally for chronic coughs, externally for fungal skin infections, warts, improving blood fluidity, has immunochemical characterization.
<i>Prunus persica</i> (L.) Batsch.	China	Malic acid, citric acid, octalactone, leucoanthocyanins, tannins, hexalactone, hectalactone, benzyl alcohol, nonalactone, decalactone, ethanol, hexanol, acetadehyde, benzaldehyde, acetic acid, pentanoic acid, hexanoic acid. ⁵⁰	Astringent, febrifuge, parasiticide, diuretic, sedative, vermifuge.
	N.A.	Essential oils. ¹⁰⁵	For gastritis, coughs, whooping cough, bronchitis.
<i>Psoralea corylifolia</i> L.	China	Psoralen, angelicin, psoralidin, coryfolin, bavachinin, isobavachin, corylifolinin, d-backuchiol. ³³	Coronary vasodilating effect, increase the myocardial contraction, antibacterial, anticancer.
	N.A.	Psoraline, isopsorlin, bavachin. ⁹⁹	Treat impotence, premature ejaculation.
<i>Pueraria lobata</i> (Willd.) Ohwi.	China	Isoflavones, daidzin, diadzin-4, 7-diglucoside, daidzein, puerarin, xylopurarin, robinin, kaempferol-rhamnoside, fatty acids. ^{12,33,48}	Antispasmodic, hypotensive, and stabilizing blood pressure, treat angina pectoris.
	N.A.	Daidzin, diadzein, isoflavonoids, puerarin, sterol. ⁹⁹	For colds, influenza, feverish illness, thirst in diabetes, externally for snakebite.
<i>Pueraria thunbergiana</i> Benth.	China	Glutamic acid, butyric acid, asparagin, adenine. ⁴⁹	Antipyretic, refrigerant.

	N.A.	Isoflavonoids, puerarin, daidzein, sterols. ⁹⁹	For muscle aches, headache, dizziness due to high blood pressure.
<i>Pulsatilla chinensis</i> (Bunge.) Regel	China	Protoanemonin, anemonin, okinalin, okinalein, ranuneulin, saponins. ³³	Antiamoebic, antibacterial, treat amoebic dysentery.
	N.A.	Lactone, protoanemonin, anemonin, pulsatoside, anemonol. ⁹⁹	Antibacterial, as an irritant.
<i>Punica granatum</i> L.	China	Pelletierine, isopelletierine, methylpelletierine, methylisopelletierine, pseudopelletierine, tannic acid, granatin. ³³ This herb is toxic.	Treat intestinal parasites, antibacterial.
	N.A.	Pelletierine alkaloids, ellagitannins, triterpenoids. ⁹⁹ This herb is toxic.	For tapeworm infestation.
<i>Pyrethrum cinerariifolium</i> (L.) Trev.	China	Essential oil, adenine, choline, stachydrine. ⁴⁹	Sedative, refrigerant in headache, influenza.
	N.A.	Pyrethrins, cinerins, palmitic, linoleic acid, sesquiterpene lactones. ^{100,107,118}	Externally used as a contact insecticide.
<i>Pyrola rotundifolia</i> L.	China	Arbutin, homoarbutin, isohomoarbutin, chimaphillin, monotropin. ³³	Antibacterial, antiarrhythmic, lower blood pressure, hemostatic effect.
	N.A.	Flavonoid glycosides, chimpahilin, sesquiterpenes, arbutin, ursolic acid. ¹⁸⁶	Anti-inflammatory, relieve pain, improve myocardial circulation.
<i>Raphanus sativus</i> L.	China	Raphanin. ⁵⁰	For asthma, cough, diarrhea, dysentery, eruptive fevers, bactericidal, antitumor.
	N.A.	Glucosinolates, arginine, histidine, vitamins A, B, and C. ¹⁰²	Leaf is diuretic, laxative, root for hemorrhoids.
<i>Rehmannia glutinosa</i> (Gaertn.) Libosch.	China	Catalpol, campesterol, rehmannin, polysaccharide. ^{16,33}	Lower blood sugar, immuno-antitumor activity.

Scientific Name	Source	Major Constituents	Therapeutic Values*
	N.A.	Phytosterols, β -sitosterol, stigmasterol, mannitol, rehmanning. ⁹⁹	Preventing poisoning and liver damage. Treat blood pressure, fever.
<i>Rheum officinale</i> Baill. <i>R. palmatum</i> L. <i>R. tanguticum</i> Maxim.	China	Antraquinones, chrysophanol, emodin, physcion, aloe-emodin, rhein, chrysophenol, rheum tannic acid, gallic acid, catechin, bianthraquinonyl, sennosides. ^{1,33,510,511} This herb may be toxic.	Potent laxative, antibacterial, anthelmintic, anticancer, stimulate the large intestine and increase the movement of luminal contents toward the anus, resulting in defecation. Antispasmodic, choleric, hemostatic, diuretic, lower blood pressure, lower cholesterol level.
	N.A.	Cinnamic acid, gallic acid, emodin, rhein, rhein anthrones, catechin, anthraquinone compounds, tannin, calcium oxalate. ^{99,100,107,510,511}	Treat diarrhea, stimulate appetite, chronic constipation, laxative, cathartic.
<i>Ricinus communis</i> L.	China	Ricinine, ricinolein, olein, stearin, isoricinoleic acid, cytochrome C. ³³	Cathartic.
	N.A.	Ricinoleic acid, ricin, ricinine, lectins. ⁹⁹ The seeds are toxic.	Laxative, prompting a bowel movement.
<i>Rosa acicularis</i> Lindl.	China	Vitamins, gallo catechin, epigallocatechin, epicatechin gallate, catechin, epicatechin, fatty acids. ⁴⁸	Stop vomiting blood, stomachache, relieve pain caused by nervous system, menstruation.
	N.A.	Vitamins, malic acid, citric acid, pectin, geraniol, l-citronellol. ¹⁶⁰	A tonic, astringent, diuretic, laxative.

<i>Rosa rugosa</i> Thunb.	China	Essential oils, l-citronellol, citral, geraniol, nerol, eugenol, cyanin, n-phenylethyl alcohol, citrol, nonyl aldehyde, l-linalool, l-p-menthene, nonacosane, menthene, bensaldehyde, phenylacetic acid, rosenoxide, paeonidin. ^{48,50}	Promote blood circulation, treat abscesses, blood diseases, dyspepsia, hematemesis, hepatitis, stomachache.
	N.A.	Vitamins, malic acid, citric acid, pectin, geraniol, l-citronellol. ¹⁶⁰	A tonic, astringent, diuretic, laxative.
<i>Rubus coreanus</i> Miq.	China	Beta-sitosterol, stigmaterol, campesterol, cholestanol, ursolic acid, flavonoids. ⁴⁸	Diuretic, aphrodisiac, treat liver infection, joint infection caused by arthritis.
	N.A.	Tannins, organic acids, vitamin C. ¹³⁸	An astringent, antiseptic, diuretic.
<i>Rumex acetosella</i> L. <i>R. aquaticus</i> L.	China	Vitexin, quercetin-3-galactoside, violaxanthin, vitamin C, emodin, chrysophanein, chrysophanol, nepodin, hyperin, physcion. ^{48,50}	Homeopathically for cramps, hemorrhage, sore throat, esophagitis, diuretic, treat blood vomiting.
	N.A.	Oxalates, anthraquinone (chrysophanol, emodin, physcion), phenol, physcion, tannic acid. ^{100,102,118}	Antiseptic, laxative, rheumatic pains.
<i>Rumex crispus</i> L.	China	Chrysophanein, nepodin. ⁴⁸	Treat ovarian bleeding, eczema, tuberculosis, sexually transmitted diseases.
	N.A.	Anthraquinones, nepodin, emodin, chrysophanol, tannins, oxalates, volatile oil. ⁹⁹	Mild laxative, stimulates bile flow, as a cleansing.
<i>Salvia coccinea</i> L.	China	Saluvianin. ⁵⁶	Stop bleeding, cooling effect, stimulate sweating, relieve swelling.
	N.A.	Thujone. ^{107,161}	Treat fever, an antiseptic, astringent.

Scientific Name	Source	Major Constituents	Therapeutic Values*
<i>Sanguisorba officinalis</i> L.	China	Zi Yu glucoside I, Zi Yu glucoside II, sanguisorbin A, sanguisorbin B, sanguisorbin C. ³³	Astringent effect to stop diarrhea and relieve chronic intestinal infection, duodenal ulcer, and bleeding. Externally for eczema.
	N.A.	Tannins, sanguisorbic acid, dilactone, gum. ⁹⁹	To slow blood flow, treat uterine hemorrhage.
<i>Santalum album</i> L.	China	Alpha-santalol, beta-santalol, alpha-santalene, beta-santalene, santene, alpha-santenone, alpha-santenol, santalone, santalic acid, teresantalic, isovaleraldehyde, teresantalol, tricycloekasantal, santalin, deoxysantalol, sinapyl aldehyde, caniferyl aldehyde, syringic aldehyde. ³³	Treat stomachics.
	N.A.	Dihydro- β -agarofuran, curcumin, sesquiterpene hydrocarbons, dendrolasin, santalols. ^{8,100}	Internally for genitourinary disorder, fever, sunstroke, externally for skin disorder.
<i>Saponaria officinalis</i> L.	China	Saponarin. ⁶⁵ This herb is contraindicated in pregnancy.	For abscesses, furuncles, ulcers, scabies, mastitis, lymphangitis. Root is used to treat syphilis, glandular and chronic skin disease.
	N.A.	Saponins, resin, sapogenin, sterol, trace of volatile oil. ¹⁶²	As an expectorant, bronchitis, coughs, asthma, rheumatic and arthritic pain.
<i>Saussurea lappa</i> Clarke	China	Saussurine, phene, phellandrene. ⁴⁹	As a stomachic.
	N.A.	Terpenes, sesquiterpenes, aplotaxene, sausarine, resin. ⁹⁹	Depress the parasympathetic nervous system.
<i>Schisandra chinensis</i> (Turcz.) Baill.	China	Schizandrin, deoxyschizandrin, schizandrol, schizandrer. ^{8,33}	Antitussive, a tonic. A tendency to lower SGPT caused by hepatitis.

	N.A.	Lignans, phytosterols, vitamins C, E. ⁹⁹	Tonic, adaptogenic, protects liver.
<i>Schizonepeta tenuifolia</i> (Benth.) Briquet	China	Essential oils, d-menthone, d-limonene. ³³	Diaphoresis, lower body temperature, anticonvulsive, increase blood coagulation.
	N.A.	Menthone, limonene. ⁹⁹	To alleviate skin boil and itchiness, treat fever and chills.
<i>Scrophularia ningpoensis</i> Hemsl.	China	Scrophularin, iridoid glycosides, 8-(O-methyl-p-coumaroyl)-harpagide, harpagoside, essential oils, flavonoids, p-methoxycinnamic acid. ³³	Lower blood pressure and blood sugar. A health strengthening agent.
	N.A.	Aucubin, harpagoside, acetyl harpagide, flavonoids, phenolic acid. ⁹⁹	Antiarthritic, treat infections and to clear toxicity.
<i>Scutellaria baicalensis</i> Georgi <i>S. macrantha</i> Fisch.	China	Baicalein, baicalin, wogonin, beta-sitosterol, wognoside, 7-methoxy-baicalein, 7-methoxynorwogonin, skullcap flavones. ³³	Antibacterial, antiviral, antipyretic, anti-inflammatory, antitumor.
	N.A.	Scutellarin, baicalin, baicalein, wogonin, benzoic acid, catapol, tannins, beta-sitosterol, camphesterol, stigmasterol. ^{99,102,163}	Sedative and antispasmodic, prevent epileptic seizures, antiallergic.
<i>Senecio vulgaris</i> L.	China	Senecionine, inulin. ⁵⁸	Used in ointment on hemorrhoids and swellings, lower blood pressure, laxative.
	N.A.	Volatile oil, seneciphyline, jacoline, pyrrolizidine, senecionine, tinnins, resin. ¹⁶⁴	As a poultice ointment or location to relieve pain and inflammation.
<i>Sesamum indicum</i> L.	China	Olein acid, linolein acid, palmitin acid, stearin acid, myristin acid, sesamin, sesamol, pentosan, phytin, lecithin, choline, calcium oxalate, chlorogenic acid, vitamin A, vitamin B. ⁴⁹	A nutrient, laxative, hyperchlorhydria, a lenitive in scybalous constipation, as nutrient tonic in degenerative neuritis, neuroparalysis.

Scientific Name	Source	Major Constituents	Therapeutic Values*
	N.A.	Phenol, lignan, oleic acid, linoleic acid, protein, vitamins B, E, folic acid. ^{165,166}	An antioxidant, antitumor, antimutagenic, antiviral, prevent breast cancer. Internally for premature hair loss and graying, strengthen bones and teeth.
<i>Silybum marianum</i> (L.) Gaertn.	China	Silybin, silymarin, silydianin, silykristin, dehydrosilybin, silybinomer. ³³	Maintain normal functioning of the liver, promote the regeneration of injured hepatic cells, increase glycogenesis and nucleic acid metabolism.
	N.A.	Flavonolignans, silibinin, silymarin. ^{167,168,169}	Treat hepatitis, cirrhosis, regeneration of diseased liver, liver poisoning, digestion.
<i>Sinapis alba</i> L.	China	Arachidic acid, erucic acid, lignoceric acid, linoleic acid, myrosinase, phosphatase, sinalbine. ⁵⁰	Carminative, toothache, seal eruptions, and ulcers.
	N.A.	Mustard oil. ¹⁹¹	Stimulant, promote urination. Mustard plasters for rheumatism, arthritis, chest congestion, aching backs, sore muscles.
<i>Smilax china</i> L.	China	Crystalline saponin smilacin, tannin, resin, tigogenin, neotigogenin, laxogenin. ^{48,49}	As alternative, diuretic in syphilis, gout, skin disorders, rheumatism.
	N.A.	Steroidal saponins, phytosterols (beta- sitosterol), starch, resin, sarsapic acid, minerals. ⁹⁹	Anti-inflammatory and cleansing. Relieve skin eczema, psoriasis, itchiness.
<i>Solanum aculeatissimum</i> Jacquin <i>S. melongena</i> L.	China	Solasonine, beta-solamargine, solasurine. ⁵⁵	For cough, asthma, diuretic, pain.

	N.A.	Proteins, carbohydrates, vitamins A, B ₁ , B ₂ , and C. ⁹⁹	Lower blood cholesterol level, regulate high blood pressure.
<i>Solanum nigrum</i> L.	China	Solanigrines, saponines. ³³	Antibacterial, diuretic, treat mastitis, cervicitis, chronic bronchitis, dysentery.
	N.A.	Linoleic acid, palmitic acid, stearic acid, sitosterol, diosgenin, tigonenin, solanine, chaconine, solasodine, solasonine, solamargine. ¹⁴⁵ This herb is toxic.	Remedy for tumors and cancer, diuretic, treat eye diseases, fevers, hydrophobia. It is laxative, emollient, anti-inflammatory.
<i>Solidago canadensis</i> L.	China	Cadinene, quercitrin. ⁵⁷	Antibacterial, treat infection, stop bleeding, throat swelling.
	N.A.	Tannins, saponins, polygalic acid, cariaester, inulin, salicylic acid. ¹⁰⁰	Alleviate intestinal gas, relieve fever.
<i>Solidago virgaurea</i> L.	China	Caffeic acid, chlorogenic acid, cyanidin-3-glucoside, flavonoids, astragaln, cyanidin-3-gentiobioside, kaempferol-rhamno glucoside, hydroxycinnamic acid, quinic acid, polygalacic acid. ^{48,50}	Decoagulant, carminative, for bladder ailments, cholera, diarrhea, dysmenorrhea.
	N.A.	Tannins, saponins, polygalic acid, cariaester, inulin, salicylic acid. ¹⁰⁰	For urinary infections, chronic excess mucus, skin diseases, influenza, whooping cough.
<i>Sophora japonica</i> L.	China	Rutin, sophoradiol, genistein, sophoricoside, sophorabioside, sophoraflavonoside. ³³	Increase capillary resistance and decreasing capillary fragility and permeability.
	N.A.	No information is available in the literature.	For internal hemorrhage, hypertension and poor peripheral circulation. ³⁴⁵
<i>Stellaria media</i> (L.) Cyrillo	China	r-linolenic acid, octadecatetraenoic acid. ⁴⁸	A postpartum depurative, emmenagogue, lactagogue, promote circulation, treat mucus disorder. Externally for rheumatic pains, ulcers, wound.

Scientific Name	Source	Major Constituents	Therapeutic Values*
	N.A.	Triterpenoid saponins, vitamin C, coumarins, flavonoids, linolenic acid, octadecatetraenic acid. ^{99,100}	Treat internal and external inflammations, irritated skin.
<i>Strychnos nux-vomica</i> L.	China	Strychnine. ⁵⁰ This herb may be toxic.	Treat neurasthenia, aphrodisiac, vasomotor stimulation, regulate blood pressure.
	N.A.	Indole alkaloids, strychnine, loganin, chlorogenic acid. ⁹⁹ This herb is toxic.	A stimulant for nervous system, a homeopathic remedy for digestive problems, sensitivity to cold, and irritability.
<i>Syringa suspensa</i> Thunb. <i>S. vulgaris</i> L.	China	Syringin, 3,4-dihydroxyphenethyl alcohol, saponons, phillyrin. ⁴⁹	Antipyretic, antiphlogistic in infectious fevers, suppurative inflammation, phlegmon, variola, erysipelas, measles.
	N.A.	Lilacin, ligustrin, lignans, hydroxyphenylethanol glycosides. ^{102,170}	Tonic, neurotrophic, adaptogenic, immune stimulating, antimicrobial from leaves.
<i>Syzygium aromaticum</i> (L.) Merr. & Perry	China	Phytosterols, campesterol, crataegol acid, sitosterols, stigmasterol, niacin, ascorbic acid. ⁵⁰	Antiemetic, carminative, stimulant, treat diarrhea, halitosis, nasal polyps, uterine fluxes, sterility, toothache.
	N.A.	Sesquiterpenes, volatile oil, eugenol, tannins, gum. ^{130,131,314}	Internally for gastroenteritis and intestinal parasites, externally for toothache and insect bites.
<i>Tagetes erecta</i> L.	China	Alpha-terthienyl, d-limonene, l-linalool, tagetone, n-nonyl aldehyde. ⁵⁰	Treat sores and ulcers, cold, conjunctivitis, cough, mastitis, mumps.
	N.A.	Limonene, linalool. ¹⁷¹	Treat rheumatism.

<i>Tagetes patula</i> L.	China	Tagetone, linalool, limonene, linalylacetate, ocimene, patuletin, patulitrin, cyanidin diglycoside, quercetagetin, quercetagetrin, helenien, polythienyls. ⁵⁰ This herb is toxic.	For coughs and dysentery.
	N.A.	Essential oils, tagetone, limonene, linalool, ocimene, linalyl acetate, thiophenes. ¹⁷¹	Treat rheumatism, externally for boils, carbuncles, earache.
<i>Taraxacum officinale</i> G. H. Weber ex Wigg.	China	Inulin, essential oils, choline, cerylic alcohol, arabinose, vitamins A, B, C. ⁸⁸	Sudorific, stomachic, tonic, a remedy for sores, boils, ulcers, abscesses, snakebites.
	N.A.	Taraxacin, taraxerol, taraxasterol, inulin, gluten, gum, choline, levulin, pulin, tannins, provitamin A, vitamins B, C. ^{103,172,173}	Tonic, diuretic, stimulate appetite, digestion, treat fever, insomnia, jaundice, eczema, rheumatism, and arthritis.
<i>Terminalia chebula</i> Retz.	China	Chebolic acid, fatty oil, tannin, ellagic acid. ⁴⁹	An astringent in diarrhea, enterorrhagia, metrorrhagia, metritis, leukorrhea.
	N.A.	Anthraquinones, tannins, chebolic acid, resin. ⁹⁹	Laxative, astringent, improve bowel regularity.
<i>Thevetia peruviana</i> (Pers.) K. Schum.	China	Thevetin A, B, theveside, peruvosides, vertiaflavone, theviridoside. ³³	Tranquilizing effect, treat congestive heart failure.
	N.A.	Caoutchouc, resin, palmitic acid, stearic acid, arachidic acid. ¹⁰⁰ This herb is very toxic.	Used for skin ailments.
<i>Thlaspi arvense</i> L.	China	Sinigrin, fatty acids, essential oil, myrosin, myrosinase. ⁴⁸	For ophthalmia, lumbago, an antidote, antipyretic, improve circulation, diaphoretic.
	N.A.	Amine choline, acetylcholine, bursine, histamine, flavonoids, polypeptides, tyramine. ^{99,102}	Control internal bleeding, profuse menstruation.

Scientific Name	Source	Major Constituents	Therapeutic Values*
<i>Thymus vulgaris</i> L.	China	Tymol, terpinen-4-ol, pinenes, camphene, myrcene, alpha-phellandrene, limonene, 1,8-cinole, p-cymene, linalool, linalyl acetate, bornyl acetate, alpha-terpinyl acetate, alpha-terpineol, borneol, citral, geraniol, carvacrol. ⁵⁰	Anthelmintic, antispasmodic, carminative, diaphoretic, sedative. Treat bronchitis, cancer, diarrhea, gastritis, rheumatism, skin ailments.
	N.A.	Thymol, tannins, carvacrol, saponins, apigenin, luteolin. ^{99,100,107}	Antispasmodic, antitussive, relieve coughing.
<i>Tribulus terrestris</i> L.	China	Glycosides tribuloside, astragalín, harmine, harmine. ³³	Anticonvulsive, a spasmolytic agent.
	N.A.	Sitosterol, tannins, saponins, tribulusamide A and B, n-trans-feruloyltyramine, terrestriamide, n-trans-coumaroyltyramine. ¹⁷⁴	Estrogenic properties, antiandrogenic action, reduce benign prostate hyperlasia (BPH).
<i>Trichosanthes kirilowii</i> Maxim.	China	Trichosanthin, polysaccharides, saponin, organic acids, resin, protein (TAP29). ³³ This herb is toxic.	Treat pectoris and acute mastitis. Antitussive, as an expectorant, anti-HIV activity.
	N.A.	Trichosanic acid. ¹⁰⁰	No information is available in the literature.
<i>Trifolium pratense</i> L.	China	Phytoestrogens, genistein, daidzein, formononetin. ^{33,48}	Stimulating effect on female reproductive organs.
	N.A.	Tannins, phenolic glycosides, p-coumaric acid, silicic acid, caffeic acid, salicylic acid. ^{100,102}	Remedy for sore throat, colds, coughs, bronchitis, diarrhea, chronic skin disease.

<i>Trigonella foenum-graecum</i> L.	China	Trigonelline, saponins, flavone derivatives including vitex, saponaretin, isoorientin, vitexin-7-glucoside. ³³	Reduce plasma cholesterol levels, support hepatic and renal functions.
	N.A.	Protein, linoleic, oleic, linolenic and palmitic acids, trigonelline, choline, coumarin, nicotinic acid. ^{100,117,175}	Reduce total cholesterol and triglycerides without affecting the HDL, reduce blood sugar.
<i>Tussilago farfara</i> L.	China	Faradiol, rutin, hyperin, saponins, taraxanthin, tannin, essential oil. ³³	Antitussive, expectorant, antiasthmatic, stimulate the medullary center and slowly raise blood pressure.
	N.A.	Mucilage, sterols, pigments, inulin, gallic, malic, tartaric acids, tannins, pyrrolizidine alkaloids. ^{99,100}	Expectorant, demulcent, astringent, anti-inflammatory.
<i>Typha angustifolia</i> L. <i>T. latifolia</i> L.	China	Isothamnetin, alpha-typhasterol, oligosaccharides. ³³	Treat hypercholesteremia, angina pectoris, exudative eczema, postdelivery bleeding, stop bleeding in hematemesis and hematuria.
	N.A.	Isorhamnetin, pentacosane, phytosterols. ⁹⁹ Do not use during pregnancy.	Treat angina.
<i>Urtica urens</i> L.	China	Chlorogenic acid, alkaloids, 5-hydroxytryptamine, protein, fat, carbohydrate, ash, fabric. ^{48,49}	Diuretic, tonic, stomachache, arthritis.
	N.A.	Stigmast-4-3-one, stigmasterol, beta-sitosterol, polysaccharides, aretylcholine, serotonin, quercitin, histamine, choline, glucoquinone. ^{99,102,176,304}	Treat benign prostatic hyperplasia, hair tonic and growth stimulation, use in antidandruff shampoo.

Scientific Name	Source	Major Constituents	Therapeutic Values*
<i>Vaccinium vitis-idaea</i> L.	China	6-o-acetyl-arbutin, arbutin, avicularin, 2-o-caffeoylarbutin, d-catechol, l-epicatechol, d-gallocatechol, hyperin, hyperoside, sioquercitrin, salidroside, tannin, ursone. ⁵⁰	For gonorrhoea.
	N.A.	Anthocyanosides, hippuric acid, vitamins A and C. ^{103,177,178,179,180}	Treat urinary infection and stones. Juice has antioxidant value.
<i>Verbena officinalis</i> L.	China	Verbenalin, verbenalol, adenosine, tannin, essential oils. ³³	Antiplasmodial, antibacterial, antitoxin, anti-inflammatory.
	N.A.	Vervenin, verbenalin, volatile oil, alkaloids, mucilage, tannins. ⁹⁹	A tonic, mild sedative, stimulates bile secretion.
<i>Viscum album</i> L.	China	Oleanolic acid, beta-amyrin, mesoinositol, flavoyadorinin, homoflavoyadorinin, lupeol, myristic acid, agglutinins, alkaloids, quercitol, querbrachitol, vitamins E and C. ³³	Antihypertensive, prolong the life of patients with late stage of stomach cancer.
	N.A.	Galactoside-specific lectin, lignans, viscotoxin, choline, alkaloids, resin, acetylcholine, protein, flavonoids, caffeic acid, viscin, carotenoids. ^{99,100,181}	Lower blood pressure, stimulate heart action, and treat arteriosclerosis.
<i>Vitis vinifera</i> L.	China	Malic acid, tartaric acid, racemic acid, oxalic acid. ⁵⁰	For abortion, cholera, dropsy, nausea.
	N.A.	Linoleic, oleic, palmitic, and stearic acids, flavonoids, malic acid, anthocyanins, tartaric, tannins, monoterpene glycosides. ^{99,182}	Antioxidant, internally for varicose veins, excessive menstruation, menopausal syndrome, hemorrhage, and hypertension.

<i>Zea mays</i> L.	China	Carbohydrate, beta-carotene, thiamine, riboflavin, niacin, ascorbic acid. ⁵⁰	For dropsy, diabetes mellitus, hypertension, epistaxis, menorrhagia, cancers, tumors, warts.
	N.A.	Saponins, fatty acids, tannins, resin, maysin, essential oil, thiamine, mucilage. ⁹⁹	Treat cystitis, urethritis, prostatitis, urinary stones.
<i>Zingiber officinale</i> Roscoe	China	Essential oils, zingiberol, zingiberene, phellandrene, camphene, citral, linalool, methylheptenone, nonylaldehyde, d-borneol, gingerol. ⁵³	Anti-inflammatory, stimulates gastric secretion.
	N.A.	Volatile oil, gingerol, shogaols, l-zingiberene. ^{99,107,183,184}	Carminative, circulatory stimulant, anti-inflammatory, antiseptic.
<i>Ziziphus jujuba</i> Mill.	China	Saponins, betulinic acid, betulinic acid, betulin, jujuboside A, jujuboside B, sanjoinines, daechu alkaloids. ^{1,33,44,53}	For insomnia, neurasthenia, and irritation.
	N.A.	Saponins, flavonoids, sugars, mucilage, vitamins A, B, and C. ⁹⁹	Improve muscular strength, weight gain, increase stamina.

* This information should not be used for the diagnosis, treatment, or prevention of diseases in humans. The information contained herein is in no way intended to be a guide to medical practice or a recommendation that herbs be used for medicinal purposes. The information is presented here mainly for educational purposes and should not be used to promote the sale of any product or replace the service of a physician.

Table 3 Chinese and North American Medicinal Herbs Belonging to the Same Genus and Different Species: Major Constituents and Therapeutic Values			
Source	Scientific Name	Major Constituents	Therapeutic Values*
China	<i>Abutilon theophrasti</i> Malv. <i>A. avicennae</i> Gaertn. Fruct. Sem.	Rutin, pentose, pentosans, uronic acid, methylpentosans, methypentose, oil, protein. ⁴⁸	Treat dysentery, fevers, a diuretic.
N.A.	<i>Abutilon indicum</i> (L.) Sweet	Mucilage, tannins, asparagine. ⁹⁹	For bronchitis, skin conditions such as boils and ulcers, threadworms.
China	<i>Actaea asiatica</i> Hara	<i>trans</i> -Aconitic acid. This herb is toxic. ⁵¹	A prophylactic against pestilence, malaria, evil miasmas.
N.A.	<i>Actaea rubra</i> (Ait.) Willd. <i>A. alba</i> L.	Resin, <i>trans</i> -aconitic acid, protoanemonoid compound. ¹⁰²	Treat headache, insomnia, melancholy, and convulsions.
China	<i>Adenophora coronopifolia</i> Fisch. <i>A. paniculata</i> Nanuf. <i>A. pereskiaefolia</i> (Fisch.) G. Don <i>A. polymorpha</i> Ledeb. <i>A. remotiflora</i> (Sieb. et Zucc.) Miq. <i>A. stenanthina</i> (Ledeb.) Kitag. <i>A. tetraphylla</i> Mak.	Saponins. ³³	Hemolyze blood cells, stimulates myocardial contraction, antibacterial.
	<i>Adenophora triphylla</i> (Thunb.) A. DC <i>A. verticillata</i> Fisch.	Inulin, taraxerone, beta-sitosterol, daucosterol, beta-sitosteryl palmitate, lupenone. ¹⁸¹	Antidotal, aphrodisiac, demulcent, expectorant, restorative, sialogogue, tonic.
N.A.	<i>Adenophora stricta</i> Miq.	No information is available in the literature.	Treat dry coughs, chronic bronchitis, tuberculosis.
China	<i>Adonis chrysoyathus</i> Hook F. & T. Thoms. <i>A. brevistyla</i> Franch.	Cymarol, corchoroside A, convallatoxin, adonilide, isoramanone, pergularin. ³³ This herb is toxic.	Treat heart disease and central nervous system, depression, diuretic.

N.A.	<i>Adonis vernalis</i> L.	Cardiac glycosides, adonitoxin. ⁹⁹	For heart conditions such as irregular beat, low blood pressure.
China	<i>Agastache rugosa</i> (Fisch. & Mey.) O. Kuntze	Essential oils, methylchavicol, anethole, anisaldehyde, d-limonene, hexenol, calamene, beta-pinene, p-methoxycinnamaldehyde, d-pinene, octanol, cymene, linalool, elemene, caryophyllene, farnesene. ⁴⁸	Chest congestion, diarrhea, headache, nausea, antipyretic, carminative, febrifuge, stomachic.
	<i>A. rugosa</i> (Fisch. & Mey.) O. Kuntze f. <i>hypoleuca</i> (Maxim.) Hara		
N.A.	<i>Agastache anethrodora</i> L. <i>A. foeniculum</i> L.	Methylchavicol, anethole, anisaldehyde. ^{99,306}	Relieve abdominal distention, nausea, vomiting.
China	<i>Ailanthus altissima</i> (Mill.) Swingle	Amarolide, ailanthone, afzelin, syringic acid, vanillic acid, beta-sitosterol, azelaic acid, d-mannitol, amarolide, oleorsin, mucilage. ^{33,48}	Antidiarrheal, treat dysentery, duodenal ulcers. Astringent, anthelmintic.
N.A.	<i>Ailanthus glandulosa</i> Desf.	Quassinoids, ailanthone, quassin, alkaloids, flavonols, tannins. ⁹⁹	To counter worms, excessive vaginal discharge, gonorrhoea, malaria, asthma, antispasmodic, cardiac depressant.
China	<i>Ajuga bracteosa</i> Wallich <i>A. decumbens</i> Thunb. <i>A. pygmaea</i> A. Gray	Flavon glucoside, luteolin, ecdysones cyasterone, ecdysterone, ajugalactone, ajugasterone, ajugasterone. ^{33,50}	Antitussive, antipyretic, antiphlogistic, antibacterial. Treat bladder ailments, diarrhea, bronchitis.
N.A.	<i>Ajuga reptans</i> L.	Indoid glycosides (harpagide). ⁹⁹	An astringent, mild analgesic, laxative.
China	<i>Akebia quinata</i> (Hoytt.) Decne.	Aristolochic acid, saponin akebin, triterpenoids. ^{25,33}	Diuretic, antibacterial.
N.A.	<i>Akebia trifoliata</i> (Thunb.) G. Koidz.	No information is available in the literature.	Control infection, stimulate the circulatory and urinary systems. Diuretic properties. ³⁴⁵

Table 3 Chinese and North American Medicinal Herbs Belonging to the Same Genus and Different Species: Major Constituents and Therapeutic Values (continued)			
Source	Scientific Name	Major Constituents	Therapeutic Values*
China	<i>Aletris formosuna</i> (Hayata) Sasaki <i>A. spicata</i> Franch.	Stigmasterol, beta-sitosterol, diosgenin. ⁵⁴	Antitussive, vermifugal, for ascariasis, marasmus, cough.
N.A.	<i>Aletris farinosa</i> L.	Steroidal saponins, diosgenin, volatile oil, resin. ⁹⁹	For gynecological problems during menopause. Treat loss of appetite, indigestion, flatulence, and bloating.
China	<i>Alnus japonica</i> (Thunb.) Steudel	Alpha-amyrin, betulinic acid, glutin-5-en-3-ol, heptacosane, lupenone, taraxerol. ^{48,50}	Antitumor.
N.A.	<i>Alnus crispus</i> (Ait.) Pursh <i>A. glutinosa</i> (L.) Gaertn.	Tannins, resins, phlobaphenes, flavone glycoside, alnulin, taraxerol, protoalnulin, beta-sitosterol. ^{100,102}	As an astringent, reduce inflammation and internal hemorrhage.
China	<i>Alpinia japonica</i> Miq.	Essential oils, cineole, alpinone, izalpinin, rhannocitrin, kumatakinin. ⁵⁶	Caraminative.
	<i>Alpinia globasum</i> Horan. <i>A. katsumadai</i> Hayata <i>A. kumatake</i> Mak.	Kaempferin, galangin, galangol, cineole, citral, carotene, thiamine, riboflavin. ⁵⁰	Caraminative, stomachic, treat malarial disorders, fluxes, and menstruation.
	<i>Alpinia officinarum</i> Hance	Galangol, essential oils, cineol, eugenol, pinene, cadinene, methyl cinnamate, sesquiterpene, dioxyflavonol. ⁴⁹	As stomachic in chronic enteritis, dyspepsia, and gastralgia, carminative, antiperiodic, sialogogue.
	<i>Alpinia oxyphylla</i> Miq.	Cincole, zingiberene, zingiberol. ⁵⁸	Diuretic, tonic, treat vomiting, and digestive discomfort.
	<i>Alpinia speciosa</i> K. Schum.	Zingiberene, zingiberol. ⁵⁴	Stomachic.

N.A.	<i>Alpinia galanga</i> Miq.	Volatile oil, alpha-pinene, cineole, linalool, sesquiterpene lactones, galangol, galangin. ⁹⁹	A stimulant, carminative, prevents vomiting, antifungal.
China	<i>Althaea rosea</i> (L.) Cav.	Althaeine, dioxybenzoic acid. ⁵⁰	As stomachic, regulative, constructive in fevers, dysentery, diuretic.
N.A.	<i>Althaea officinalis</i> L.	Mucilage, asparagine, pectin, flavonoids. ^{99,177}	For antitussive, bronchitis, asthma, stomach disorder.
China	<i>Amaranthus caudatus</i> L.	Betaine. ⁴⁸	A tonic.
	<i>Amaranthus blitum</i> Kom. <i>A. lividus</i> L. <i>A. viridis</i> L.	Vitamins, protein, thiamine, riboflavin, ascorbic acid. ⁵⁰	Treat dysentery and inflammation, vermifuge.
	<i>Amaranthus tricolor</i> L.	Beta-carotene, thiamine, riboflavin, niacin, ascorbic acid. ⁵⁰	Prevent cancer.
N.A.	<i>Amaranthus hypochondriacus</i> L.	Tannins, a red pigment. ⁹⁹	An astringent, reduce blood loss, treat diarrhea.
China	<i>Amomum cardamomum</i> L. <i>A. globosum</i> Lour. <i>A. tsao-ko</i> Roxb. <i>A. villosum</i> L.	d-borneol, borneol acetate, d-camphor, linalool, nerolidol, terpene. ⁵⁰	Treat pyrosis, vomiting, dyspepsia, pulmonary diseases, dyspepsia. Antitoxic, antiemetic, carminative, stomachic.
N.A.	<i>Amomum xanthioides</i> Soland ex Maton.	No information is available in the literature.	Carminative, diuretic, stimulate appetite, relieve indigestion and control nausea and vomiting. ³⁴⁵
China	<i>Anemone cernua</i> Thunb. <i>A. raddeana</i> Regel <i>A. rivularis</i> Buch-Hamilton ex DC <i>A. vitifolia</i> (Buch-Ham.) Nakai	Raddeanin A, hederasaponin B, raddanoside, ranuneulin, oleanolic acid. ^{33,48}	Antitumor, anti-inflammatory, antirheumatic arthritis.

Table 3 Chinese and North American Medicinal Herbs Belonging to the Same Genus and Different Species: Major Constituents and Therapeutic Values (continued)			
Source	Scientific Name	Major Constituents	Therapeutic Values*
N.A.	<i>Anemone hepatica</i> (DC.) Ker-Gawl. <i>A. patens</i> L. <i>A. pulsatilla</i> L.	Lactone protoanemonin (anemonin), triterpenoid saponins, tannins, volatile oil. ⁹⁹	For cramps, menstrual problems, distress, spasmodic pain of the reproductive system.
China	<i>Angelica amurensis</i> Schischk. <i>A. anomala</i> Lallemand. <i>A. dahurica</i> (Fisch.) Benth. et Hook.	Byak-angelicin, byak-angelicol, oxypeucedanin, imperatorin, phellopterin, xanthotoxine, marmesin, scopoletin, marmesin, scopoletin, anomalin, angenomalin, bergapten. ³³	Antipyretic, treat toothache, headache. Externally for mastitis and wound infection.
	<i>Angelica decursiva</i> (Miq.) Franch. et Savat.	Nodakenin, nodakenetin, decursin, decursidin, umbelliferone, andelin, 3'-angeloyloxy-4'-isovaleroyloxy-3', 4'-dihydroxanthyletin, estragol, estragol, umbelliprenin, imperatorin, decuroside, sioimperatorin, spongesterol, hydroxypeucedanin. ⁴⁸	Anodyne, carminative, diuretic, stimulant, suppurative. Treat abscess, boils, catarrh, cold, coryza, dysmenorrhoea, epistaxis, fever.
	<i>Angelica grosserrata</i> Maxim. <i>A. pubescens</i> Maxim.	Angelic, linoleic, oleic, palmitic, stearic acids. ⁵⁰	Antispasmodic, diaphoretic, diuretic. Treat apoplexy, swellings, catarrh, dropsy, headache, leprosy, puerperium.
	<i>Angelica sinensis</i> (Oliv.) Diels	Vitamin B ₁₂ , vitamin E, ferulic acid, succinic acid, nicotinic acid, uracil, adenine, butylidenephthalide, ligustilide, folic acid, biotin, polysaccharide. ³³	Treat irregular menstruation, anemia, thrombophlebitis, neuralgia, arthritis, chronic nephritis, constrictive aortitis, skin disease such as eczematous dermatitis.

N.A.	<i>Angelica archangelica</i> L.	Angelicide, brefeldin A, ligustilide, n-butylidenephthalide, phyllandrene, tinnins, valeric acid, ferulic acid, lactones, limonene, coumarin. ^{98,99,100,107,272}	Stimulate blood circulation, regulate menstruation, stimulate appetite, alleviate coughs and pain.
China	<i>Anthriscus aemula</i> (Woron.) Schischk. <i>A. sylvestris</i> (L.) Hoffm.	Anthricin, deoxypodophyllotoxin, isoanthricin, luteolin. ⁵⁰	Antitumor, glandular tumors, corns, warts.
N.A.	<i>Anthriscus cerefolium</i> (L.) Hoffm.	Volatile oil, coumarins, flavonoids. ⁹⁹	To settle digestion, lower blood pressure, a diuretic. Externally, juice for wounds, eczema, and abscesses.
China	<i>Apocynum venetum</i> L.	Cymarín, strophantidin, k-strophanthin- β , isoquercitrin, quercetin. ³³	Increase myocardial contractility, lower blood pressure, increase bronchial secretion, diuretic.
N.A.	<i>Apocynum androsaemifolium</i> L.	Glucoside apocynamarin, a bitter principle cymarín, apocynein, apocynin, volatile oils, fixed oils, caoutchouc. ¹⁰⁰	For rheumatism, scrofula and syphilis.
China	<i>Aquilaria agallocha</i> Roxb. <i>A. sinensis</i> Kitam.	Agarospírol, alpha-agarofuran, agarol, beta-agarofuran, benzylacetone, hydrocinnamic acid, hydroagarofuran. ³³	Antiemetic, promote circulation, relieve pain.
N.A.	<i>Aquilaria flavescens</i> S. Wats.	Hydrocyanic acid. ¹¹⁸ This herb is highly toxic.	Externally for skin diseases.
China	<i>Aquilegia buergeriana</i> Sieb. et Zucc. <i>A. parviflora</i> Ledeb.	Benzylacetone, terpene, p-methoxybenzylacetone. ^{48,60}	Treat irregular menstruation, ovary bleeding, shortness of breath, nausea, pain and gas, chills.

Table 3 Chinese and North American Medicinal Herbs Belonging to the Same Genus and Different Species: Major Constituents and Therapeutic Values (continued)			
Source	Scientific Name	Major Constituents	Therapeutic Values*
N.A.	<i>Aquilegia vulgaris</i> L.	Delphinidin-3,5-diglucoside, lipase, nitryl-glycoside, capronic acid, palmitic acid, oleic acid, linoleic acid. ¹⁰⁰	
China	<i>Aralia chinensis</i> L. <i>A. cordata</i> Thunb. <i>A. elata</i> (Miq.) Seem.	Diterpenoids such as (–) pimaradene, (–) kaurene derivatives, 1-pimara-8, 15-dien-19-oic acid, aralosides, araligenin, oleanolic acid, beta-taralin, alpha-taralin. ^{20,48,50}	Carminative, for arthralgia, gastroenteritis, headache, diuretic, antidiabetic, antiseptic.
N.A.	<i>Aralia catechu</i> L. <i>A. nudicaulis</i> L. <i>A. racemosa</i> L.	Arctiin, tannins, diterpene acids, glucoside, volatile oil. ^{99,102}	Treat rheumatism, asthma, coughs.
China	<i>Arenaria juncea</i> Bieb. <i>A. serpyllifolia</i> L.	Saponin. ⁵⁰	Antitussive, detoxicant, diuretic, febrifuge, treat cough, pulmonary tuberculosis, dysentery.
N.A.	<i>Arenaria rubra</i> (Wahlenb.) Sm.	Resin. ³⁴⁶	Relax muscle walls of the urinary tubules and bladder. Treat kidney stones, acute, and chronic cystitis.
China	<i>Aristolochia contorta</i> Bunge. <i>A. kaempferi</i> Willd. <i>A. longa</i> Thunb. <i>A. recurvilabra</i> Hance.	Aristolochic acid A, aristolochic acid D, aristoloside, magnoflorine, oleanolic acid, beta-sitosterol, hederagenin. ⁴⁸ This herb is toxic.	Treat pulmonary disorders, antitussive, an expectorant in asthma and bronchitis.
	<i>Aristolochia debilis</i> Sieb. et. Zucc.	Aristolochic acid, debilic acid, magnoflorine, dibilone, cyclanline, aristolone. ³³	Antihypertensive, lower heart rate and myocardial contractility, vasodilation.

China	<i>Aristolochia manshuriensis</i> Kom.	Aristolochic acid, saponin akebin, triterpenoids. ^{25,33}	Diuretic, antibacterial.
	<i>Aristolochia shimadai</i> Hayata	Aristolochic acid. ⁵⁴	Relieve pain, a diuretic, externally for snakebite.
N.A.	<i>Aristolochia clematitidis</i> L. <i>A. serpentaria</i> L.	Aristolochic acids, volatile oil, tannins. ⁹⁹	Treat wounds, sores, snakebite, taken after childbirth to prevent infection, heal ulcers, treat asthma and bronchitis.
China	<i>Armeniaca ansu</i> (Maxim.) Kostina <i>A. mandshurica</i> (Maxim.) Skvortzov. <i>A. sibirica</i> (L.) Lam. <i>A. vulgaris</i> Lam.	Amygdalin, hydrocyanic acid. ^{48,49}	An astringent, stomachic, antipyretic.
N.A.	<i>Prunus americana</i> Marsh.	Amygdalin, cyanogenic glycoside, laetrile, hydrocyanic acid, tannins. ⁹⁹	Treats cancer, coughs, asthma, and wheezing.
China	<i>Artemisia apiacea</i> Hance ex Walpers	Dihydroartemisinin, artesunate, artemisinin, chloroquine. ³³ This herb is mildly toxic.	A schizonticidal agent, antimalarial.
	<i>Artemisia argyi</i> Leveille & Vaniot <i>A. halodendron</i> Turcz. ex Bess. <i>A. igniaria</i> Max. <i>A. indica</i> Willd. <i>A. integrifolia</i> L. <i>A. japonica</i> Thunb. <i>A. keiskeana</i> Miq. <i>A. scoparia</i> Waldst. & Kitaib. <i>A. selengensis</i> Turcz. ex Bess.	Terpinenol-4, β -caryophyllene, artemisia alcohol, linalool, cineol, camphore, borneol, eucalyptol. ³³	Antiasthmatic, antitussive. Treat chronic bronchitis, oral infection, and hypersensitivity.
	<i>Artemisia capillaris</i> Thunb.	Scoparon, capillene, capillin, capillon, capillarin, capillanol. ³³	A choleric, treat jaundice, acute infectious hepatitis, gallstone related illnesses.

Table 3 Chinese and North American Medicinal Herbs Belonging to the Same Genus and Different Species: Major Constituents and Therapeutic Values (continued)			
Source	Scientific Name	Major Constituents	Therapeutic Values*
China	<i>Artemisia finita</i> Kitag. <i>A. frigida</i> Willd.	L-beta-santonin, finitin. ⁴⁸	Treat intestinal parasites.
	<i>Artemisia gmelini</i> Weber ex Stechmann	Essential oils, borneol, cineole, camphor, azulene, isovaleric acid, umbelliferone, scopoletin, genkwanin. ⁴⁸	Treat liver diseases, stop bleeding, arthritis, bronchitis.
	<i>Artemisia lactiflora</i> Wallich	Flavonoid glycoside, coumarin, lactiflorenol, spathulenol, s-guaiazulene, beta-guaienen, <i>trans</i> - β -farnesene, <i>trans</i> -caryophyllene, limonene, elemene, copaene, myrcene. ⁵⁷	Diuretic, regulate menstruation, treat headache, high blood pressure.
N.A.	<i>Artemisia absinthium</i> L.	Absinthol, tannins, thujyl alcohol, flavonoids, phenolic acid, lignins. ^{99,102}	Anthelmintic.
	<i>A. dracunculus</i> L.	Estragole, phelandrine, methyl chavicol, iodine, rutin, tannins, flavonoids, coumarins. ⁹⁹	Diuretic, appetite stimulant.
	<i>A. tridentata</i> Nutt.	Furanoid, pentane, volatile oil. ⁹⁹	Aromatic, bug repellent.
China	<i>Aspidium falcatum</i> Sw.	Filicic acid, tannin, essential oil. ⁴⁹ This herb is slightly toxic.	Anthelmintic, hemostatic, antidote.
N.A.	<i>Aspidium filix-mis</i> (L.) Schott.	Oleo-resin, triterpenes, alkanes, volatile oil, resins. ⁹⁹	Treat tapeworms.
China	<i>Aster ageratoides</i> L.	Quercetin, kaempferol. ³³	Antitussive, antiasthmatic, stimulate adrenal cortex.

N.A.	<i>Aster tataricus</i> L.	Monoterpenes, sesquiterpenes, diterpenes, triterpenes, saponins, flavonoids, coumarins. ²⁷¹	Stop bleeding, treat pinkeye (conjunctivitis).
China	<i>Astragalus chinensis</i> L.	Astragalgin, canavanine, homoserine. ³³	Sedative, antibacterial, antiviral.
	<i>A. complanatus</i> R. Fr. ex Bunge. <i>A. henryi</i> Oliv. <i>A. hoantchy</i> Franch. <i>A. melilotoides</i> Pallas. <i>A. mongholicus</i> Bunge. <i>A. reflexistipulus</i> Franch. <i>A. sinensis</i> L.	Gama-aminobutyric acid, astragalgin, canavanine, coumarin, flavonoid derivatives, saponins, polysaccharide, cycloastrangenol, betaine, rhamnocitrin, saponin, astragalosides, formononetin, homoserine, isoliquiritigenin, kaempferol, quereetin, cosin. ^{1,33,53}	Hypotensive, antirhinoviral, antitumor, antipyretic, diuretic, tonic, an immunomodulating agent.
N.A.	<i>Astragalus americana</i> Bunge.	Asparagine, calcyosm, sterols, formononetin, kumatakenin. ⁹⁹	Improve immune system, lower blood pressure.
China	<i>Atractylodes lancea</i> Bunge. <i>A. chinensis</i> DC <i>A. japonica</i> Koidz. ex Kitam. <i>A. koreana</i> (Nakai) Kitam. <i>A. lancea</i> Bunge. <i>A. ovata</i> DC	Atractylone, eudesnol, hinesol. ¹⁹	Diuretic agent, abdominal and chest tightness, anemia chills, bronchitis cough, diarrhea, CNS suppressing activity.
N.A.	<i>Atractylodes macrocephala</i> Koidz.	Atractylol, lactones, atractylenolide II and III. ⁹⁹	Protects liver, to relieve fluid retention, excessive sweating, diarrhea, vomiting.
China	<i>Avena fatua</i> L.	Amino adipic acid, glucovanillin, trigonellin, leucin, isoleucin, threonin, asparaginic acid, oxylysin, beta-sitosterol, aconitic acid, avenasterol, secalose, erucic acid, xanthophyllepoxyd. ⁴⁸	Stop bleeding, a tonic.

Table 3 Chinese and North American Medicinal Herbs Belonging to the Same Genus and Different Species: Major Constituents and Therapeutic Values (continued)			
Source	Scientific Name	Major Constituents	Therapeutic Values*
N.A.	<i>Avena sativa</i> L.	Proteins, vitamin B complex, saponin, carotenes. ^{102,138}	Antidepressant, heal skin disorders.
China	<i>Belamcanda pancrata</i> Moench.	Tectoridin. ⁵⁰	Antipyretic, antifungus, analgesic, detoxicant, stomachic. Externally for boils, cancer, contusions, swellings.
N.A.	<i>Belamcanda chinensis</i> (L.) DC	Belamcandaquinones A and B, isoflavones, tectoridin, iridin, iridals, tectorigenin, irigenin, irisflorethin. ^{318,319,320}	Treat throat disorders, stimulate the mucous membrane of the throat.
China	<i>Berberis amurensis</i> Rupr. <i>B. poiretii</i> Schneid. <i>B. sibirica</i> Pall. <i>B. soulieana</i> C. K. Schneid.	Berberine, berbamine, palamatine, jatrorrhizine, oxycanthine. ³³	Antibacterial, promotes leukocytosis, choleric.
N.A.	<i>Berberis aquifolium</i> L.	Berberine, protoberberine alkaloids, oxyberberine, magnoflorine, columbamine. ^{100,273,274}	For eczema, gall bladder disorder, chronic hepatitis B, gastritis, diarrhea, antipsoriasis.
	<i>Berberis vulgaris</i> L.	Berberine, tannins, resin, berbamine, berberubine. ^{99,100}	Improve liver function, antiseptic and antidiarrhea.
China	<i>Betula mandshurica</i> (Regel) Nakai <i>B. platyphylla</i> Suk.	Betuloside, betulafolienetriol, betulafolienetraol, betulin. ^{48,50}	Anticancer, mammary carcinoma.
N.A.	<i>Betula lenta</i> L. <i>B. pendula</i> Roth. <i>B. verrucosa</i> J. F. Ehrh.	Saponins, hyperoside, tannins, gallic acid, methyl salicylate, essential oil. ¹⁰²	For headaches, rheumatic pain, anti-inflammatory.

China	<i>Bidens bipinnata</i> L. <i>B. parviflora</i> Willd. <i>B. pilosa</i> L. var. minor (Blume) Sherff.	Flavonoids, essential oils. ⁴⁸	Treat bug bites, diarrhea, snakebite.
N.A.	<i>Bidens tripartita</i> L. <i>B. connata</i> Muhl.	Flavonoids, xanthophylls, volatile oil, acetylenes, sterols, tannins. ⁹⁹	An astringent, diuretic.
China	<i>Bignonia chinensis</i> Lam. <i>B. grandiflora</i> Thunb.	Protein, dextrose, cyanidin-3-rutinoside. ⁴⁸	As emmenagogue. Treat amenorrhea, dysmenorrhea, leucorrhea, menorrhagia, metrorrhagia.
N.A.	<i>Bignonia catalpa</i> (L.) Karst.	Catalpine, oxylenzoic acid, protocatechetic acid. ⁹⁹	Treat asthma, whooping cough, spasmodic coughs.
China	<i>Blumea hieracifolia</i> (D. Don) DC	No information is available in the literature.	Treat pneumonia, water in the lung, diarrhea, snakebite.
	<i>Blumea lacera</i> (Burm. f.) DC	Carotene, coniferyl alcohol, angelic acid, vitamin C, cineole, citral, fenchone, camphor. ^{48,56}	An insectifuge, vermifuge, treat cholera, eczema, fever, itch, scurvy.
	<i>Blumea riparia</i> (Blume) DC var. megacephala Randeria	No information is available in the literature.	Treat headache, relieve colic.
N.A.	<i>Blumea balsumifera</i> (L.) DC	Flavonoids, sesquiterpene lactones, camphor. ^{316,317,345}	Carminative, vermifuge, disphoretic, an expectorant.
China	<i>Buxus harlandii</i> Hance	Cyclovirobuxine D, buxamine E, cycloprotobuxine C, buxpiine K. ⁵⁸	Improve blood circulation, enhance heart muscle, regulate heartbeat, treat hepatitis, arthritis.
	<i>Buxus microphylla</i> Sieb. et Zucc.	Cyclovivobuxine C and D, buxtamine E, cycloprotobuxamine A and C, buxtaune, buxpiine. ⁵⁸	Treat heart conditions, a detoxicant.

Table 3 Chinese and North American Medicinal Herbs Belonging to the Same Genus and Different Species: Major Constituents and Therapeutic Values (continued)			
Source	Scientific Name	Major Constituents	Therapeutic Values*
N.A.	<i>Buxus sempervirens</i> L.	Steroidal alkaloids, alpha-tocopherol. ^{125,275}	Used for recurrent fevers, rheumatism, intestinal parasites.
China	<i>Caesalpinia decapetula</i> (Roth.) Alston	Volatile oil, bonducin, saponin, glycoside. ⁶⁰	Astringent, anthelmintic, antipyretic, antimalarial.
	<i>Caesalpinis pulcherrima</i> Swartz	Alkaloid, gallic acid, resins, tannins. ⁶⁰ This herb is toxic.	Febrifuge, stomachic, diuretic, astringent, anticholeric.
	<i>Caesalpinis sappan</i> L.	Brasilin, tetraacetylbrasilin, proesapanin A, essential oils, tannic acid, gallic acid, saponin. ^{33,49,50}	Activate blood flow, remove blood stasis, reduce swelling, against human cancer cells.
N.A.	<i>Caesalpinia ascendens</i> L. <i>C. bonducella</i> L. <i>C. sylvatica</i> L.	Fix oil, bonducin, tannins. ⁹⁹	Treat fever, aphrodisiac.
China	<i>Caltha palustris</i> L. var. <i>sibirica</i> Regel	Anemonin, protoanemonin, choline, hellebrin, cevadine, berberine, scopoletin, saponin, umbelliferone, isorhamnetin, xanthophyllepoxy. ^{48,50}	Antirheumatic, antitumor.
N.A.	<i>Caltha leptosepala</i> DC	No information is available in the literature.	Diaphoretic, emetic, expectorant. Diuretic, laxative, antitumor activity. ³⁴⁷
China	<i>Calystegia hederacea</i> Willich ex Roxb. <i>C. japonica</i> Choisy iu Zoll.	Kaempferol, kaempferol-3-rhamnoglucoside, columbin, palmatine. ^{48,50}	Diuretic, stimulate kidney secretions.
N.A.	<i>Calystegia sepium</i> (L.) R. Br.	Lectin, calystegins. ^{324,325}	Glycosidase inhibitor.

China	<i>Campanula glomerata</i> L. f. <i>canescens</i> (Maxim.) Kitag. <i>C. giauca</i> Thunb. <i>C. grandiflora</i> Jacq. <i>C. punctata</i> Lam.	Quercetin, isorhamnetin, kaempferol, hyperoside, isoquercetin, trifolin, chlorogenic acid, methyl caffeate, coumaroylquinic acid. ⁴⁸	For throat infection, headache.
N.A.	<i>Campanula rotundifolia</i> L. <i>C. palustris</i> L.	Lutein-7-primveroside, luteolin-7-0-beta-D-glucopyranosil, rhamnetin-3-0-beta-D-galactoside, esculetin, caffeic, n-coumaric, ferulic acids. ³⁰²	For faintness or a weak heart, stop bleeding, reduce swelling. ²⁷⁴
China	<i>Cardamine leucantha</i> (Tausch.) O. E. Schulz.	Erucic acid, linolenic acid, linoleic acid, oleic acid, sinigraside, lecithine, myrosinase. ⁶⁰	Treat abdominal pain, antidiarrhea.
N.A.	<i>Cardamine pratensis</i> L.	Minerals, vitamin C. ²⁷⁴	Stimulate appetite, ease indigestion, cough remedy.
China	<i>Carduus acaulis</i> Thunb. <i>C. crispus</i> L. <i>C. japonicus</i> Franch.	Essential oils, glycoside, bitter principle. ⁴⁹	Hemostatic.
N.A.	<i>Carduus benedita</i> L.	Lignins, sesquiterpene lactones (cnicin), volatile oil, polyacetylenes. ^{98,99}	Stimulate the secretions of the stomach, intestines, gallbladder.
	<i>Carduus marianus</i> L.	Flavonolignans (silymarin), polyacetylenes. ⁹⁹	Protect the liver, stimulate secretion of bile, increase breast-milk production. An antidepressant.
China	<i>Cassia alata</i> L.	Fatty acids, aloe-emodin, rhein chrysarobin, chrysophanic acid, oxymethyl anthraquinone. ⁴⁸	Improve night vision, migraines, purgative, astringent.
	<i>Cassia angustifolia</i> Vahl.	Sennosides, aloe-emodin, dianthron glucoside, rhein monoglucoside, rhein, kaempferin, myricyl alcohol, anthraquinone derivative. ³³	Purgative, laxative, cathartic.

Table 3 Chinese and North American Medicinal Herbs Belonging to the Same Genus and Different Species: Major Constituents and Therapeutic Values (continued)			
Source	Scientific Name	Major Constituents	Therapeutic Values*
China	<i>Cassia nomame</i> (Sieb.) Honda <i>C. obtusifolia</i> L.	Anthraquinones such as emodin, chrysophanol, physcion, rhein aurantioobtusin, obtusifolin, chryso-obtusin, naphthopyrones, obtusin, aurantio-obtusin rubrofusarin, nor-rubrofusarin, toralacton. ³³	Purgative, treat ophthalmia, hypercholesterolemia, vaginitis.
	<i>Cassia occidentalis</i> L. <i>C. tora</i> L. <i>C. torosa</i> Cav.	Anthraquinones, torosachryson, N-methylmorpholine, apigenin, galactomannan, cassiollin, xanthorin, dianthronic heteroside, helminthosporin. ^{4,33}	Mild purgative, lower blood pressure, antibacterial, antiasthmatic, antitoxic.
	<i>Cassia siamea</i> Lamark	Chrysophanic acid, chrysarobin, oxymethylantraquinone. ⁶⁰	A tonic to relieve stomach pains.
N.A.	<i>Cassia senna</i> L.	Anthraquinone, beta-sitosterol, rhein, dianthrone glucosides, sennosides A, sennosides B, naphthalene glycosides, aloe-emodine, mucilage. ^{99,100}	Laxative, stimulant, cathartic, anticancer, cathartic.
China	<i>Castanea crenata</i> Sieb. et Zucc. <i>C. striatus</i> Thunb.	Quercetin, urea, protein, beta-carotene, riboflavin, thiamine, ascorbic acid, niacin. ^{48,50}	Treat diarrhea, poisoned wounds, lacquer poisoning, astringent.
N.A.	<i>Castanea sativa</i> Mill.	Tannins, plastoquinones, mucilage. ⁹⁹	Treat whooping cough, bronchitis, sore throat.
China	<i>Caulophyllum robustum</i> Maxim.	Magnoflorine, taspine, methylcytisine, alpha-lupanine, cauloside, hederagonin. ⁴⁸	Treat arthritis, wounds, regulate menstruation.

N.A.	<i>Caulophyllum thalictroides</i> (L.) Michx.	Caulophylline, caulosaponin, methylecystisine, anagryrine, steroidal saponins, laburnine, magnoflorine. ^{99,103,276}	Antispasmodic, diuretic, antirheumatic, promote menstrual flow, induce abortion.
China	<i>Celtis bungeana</i> Blume <i>C. sinensis</i> Pers.	Essential oils. ⁴⁸	For dyspepsia, poor appetite, shortness of breath, swollen feet.
N.A.	<i>Celtis australis</i> L.	Tannins, mucilage. ⁹⁹	Reduce heavy menstrual flow, intermenstrual uterine bleeding.
China	<i>Centaurium meyeri</i> (Bunge.) Druce	Bitter glycoside, ophelic acid, chiretta. ⁶⁰	Treat headache, fever and infections.
N.A.	<i>Centaurium erythraea</i> Rafn.	Secoiridoid glucosides, xanthenes, benzophenone, swertiamarin, gentiopicroside. ^{305,321,322,323}	Antipyretic, antidiabetic.
China	<i>Chrysanthemum boreale</i> (Makino) Makino <i>C. jucundum</i> Nakai & Kitag. <i>C. koraiense</i> Nakai. <i>C. procumbens</i> Lour. <i>C. sinense</i> Sabine	Alpha-pinene, limonene, carvone, cineol, camphore, borneol, chrysanthinin, yejuhualactone, chrysanthemaxanthin. ³³	Antibacterial, relieve headache, insomnia, and dizziness due to high blood pressure.
	<i>Chrysanthemim cinerriaefolium</i> Visiont	Essential oil, adenine, choline, stachydrine. ⁶⁰	Used as insecticide.
N.A.	<i>Chrysanthemum parthenium</i> (L.) Berhn.	Camphor, tannins, mucilage, sesquiterpene lactone. ²⁷⁷	Treat fevers, migraine, arthritis, colds, indigestion, diarrhea, hysteria.
	<i>Chrysanthemum vulgare</i> L.	Thujone, borneol, camphor. ^{98,102}	Antispasmodic, vermifuge, emmenagogues.
China	<i>Clematis armandii</i> Franch. <i>C. heracleifloia</i> DC	Aristolochic acid, saponin akebin, triterpenoids. ^{25,33}	Diuretic, antibacterial.

Table 3 Chinese and North American Medicinal Herbs Belonging to the Same Genus and Different Species: Major Constituents and Therapeutic Values (continued)			
Source	Scientific Name	Major Constituents	Therapeutic Values*
China	<i>Clematis chinensis</i> Retz. <i>C. florida</i> Thunb. <i>C. hexapetala</i> Pall. <i>C. minor</i> Lour. <i>C. sinensis</i> Lour. <i>C. terniflora</i> DC	Anemonin, anemonol, saponins. ^{33,49}	Analgesia, diuresis, carminative, diuretic, treat arthritis, backache, headaches.
	<i>Clematis intricata</i> Bunge. <i>C. mandshurica</i> Rupr.	Clematoside A, oleanolic acid. ⁴⁸	Relieve arthritis pain and related infections.
N.A.	<i>Clematis vitalba</i> L. <i>C. virginiana</i> L.	Protoanemonin, saponins. ⁹⁹ This herb is toxic.	Analgesic, relieve pain to arthritic joints, diuretic, counter urinary problems.
China	<i>Clinopodium chinense</i> Benth. <i>C. gracile</i> (Benth.) O. Kuntze. <i>C. polycephalum</i> Benth. <i>C. umbrosum</i> (Bleb.) C. Koch.	Dydimin, hesperidin, siosakuranetin, apigenin, ursolic acid. ⁴⁸	Hemostatic, stimulate uterine contractions, antibacterial.
N.A.	<i>Clinopodium acinos</i> L.	No information is available in the literature	
China	<i>Commiphora myrrha</i> Engler	From gum resin, essential oils including myrcene, alpha-camphorene, Z-guggulsterol, guggulsterol, makulor, cembrene. ³³	Stimulate blood flow, relieve pain, promote tissue regeneration.
N.A.	<i>Commiphora molmol</i> Engl. ex Tschirch. <i>C. myrrha</i> Engler	Gum, acidic polysaccharides, resin. ⁹⁹	Antiseptic, astringent, expectorant, anti-inflammatory, antispasmodism, carminative.

China	<i>Convallaria keiskei</i> Miq.	Convallatoxin, convalloside, convallamarin, convallatoxol. This herb is toxic. ³³	Treat heart disease, detoxify the liver.
N.A.	<i>Convallaria majalis</i> L. <i>C. sepium</i> L.	Cardiac glycosides, cardenolides, convallotoxin, convalloside, convallatoxol, flavonoid glycosides. ⁹⁹	Affect in heart failure, regulate heart beat, lower blood pressure.
China	<i>Convolvulus arvensis</i> L.	Quercetin, kaempferol, caffeic acid, beta-methylaesculetin. ⁴⁸	Improve blood circulation, relieve pain and itchiness.
N.A.	<i>Convolvulus jajapa</i> L.	Resin, convolvulin. ⁹⁹ Large dose can cause vomiting.	Elimination of profuse watery stools.
China	<i>Coptis japonica</i> Makino	Berberine, coptisine, urbenine, worenine, palmaline, jatrorrhizine, columbamine, lumicaerulic acid. ^{33,60} This herb is toxic.	Antiarrhythmic, antibacterial, antiviral, antiprotozoal, anticerebral ischemic.
N.A.	<i>Coptis groenlandica</i> Salisb. <i>C. trifolia</i> (L.) Salisb.	Isoquiniline alkaloids, berberine, coptisine. ⁹⁹	For indigestion and stomach weakness. Treat peptic ulcers. A mouthwash, lotion for canker sores.
China	<i>Cornus alba</i> L. <i>C. kousa</i> Hance. <i>C. macrophylla</i> Wallich	Quercitol, kaempferol, phenethylamine, dihydroxyglutamic acid. ⁴⁸	Astringent, antimalarial, treat arthritis, backache, diabetes, hepatitis, malaria, metrorrhagia, cancer.
	<i>Cornus officinalis</i> Sieb. et Zucc.	Morroniside, 7-O-methyl-morroniside, sworoside, loganin, longiceroside, tannic acid, resin, tartaric acid, cornin, gallic acid, malic acid. ^{33,60}	Diuretic, treat dysmenorrhea, excessive menstruation, impotency, backache, dizziness.
	<i>Cornus walteri</i> Wangerin	Fatty acid, loganin, linolenic acid. ^{48,53}	An astringent.
N.A.	<i>Cornus canadensis</i> L.	Cornine, cornic acid, quercetin, tannins. ¹⁰²	Decrease inflammation, pain, fever.

Table 3 Chinese and North American Medicinal Herbs Belonging to the Same Genus and Different Species: Major Constituents and Therapeutic Values (continued)			
Source	Scientific Name	Major Constituents	Therapeutic Values*
N.A.	<i>Cornus florida</i> L.	Verbenalin, saponins, tannins, resin, gallic acid, malic acid, tartalic acid, tannic acid. ^{100,123}	An astringent, tonic, and hemostatic.
China	<i>Corydalis ambigua</i> Cham. et Schlecht. var. <i>amurensis</i> Maxim. <i>C. repens</i> Mandl. et Muehld. <i>C. ternata</i> (Nakai) Nakai <i>C. turtschaninovii</i> Besser.	d-Corydaline, corydalis, columbamine, dl-tetrahydropalmatine, crybulbine, tetrahydrocoptisine, dehydrocorydaline, corydalamine, tetrahydrocolumbamine, protopine, alpha-allocryptopine, coptisine, dehydrocorydalmine. ³³ Toxic if overdosage.	Analgesic, sedative, hypnotic, synergistic, increase coronary blood flow.
	<i>Corydalis bungeana</i> Turcz.	Protopine, pallidine, sinocecatine, corynoline, isocorynoline, coptisine, corycavine, acetylcorynoline, corynoloxin, coreximine, reliculine, corydamine, scoulerine. ^{33,50}	For rectal prolapse, abscesses, hemorrhoids.
	<i>Corydalis decumbens</i> (Thunb.) Pers.	Protopine, bulbocapnine, d-tetrahydropalmatine. Toxic if overdosage. ³³	Relieve pain after bone fractures, antihypertensive, antirheumatic.
N.A.	<i>Corydalis solida</i> (L.) DC	Corydalis, corydaline, leonticine, tetrahydropalmatine, protopine. ⁹⁹	An analgesic, antispasmodic, sedative.
China	<i>Corylus heterophylla</i> Fisch. ex Besser. <i>C. mandshurica</i> Maxim. ex Rupr.	Beta-carotene, thiamine, riboflavin, niacin, ascorbic acid. ⁵⁰	To improve appetite, a digestive.

N.A.	<i>Corylus avellana</i> L. <i>C. cornuta</i> Marsh. <i>C. rostrata</i> Marsh. <i>C. americana</i> Marsh.	Tannins, essential oil, ferric oxide, beta-sitosterol. ¹⁰²	For coughs, colds, diuretic, prostaglandin inhibition, anti-inflammation.
China	<i>Crataegus cuneata</i> Sieb. et Zucc. <i>C. chlorusarca</i> Maxim. <i>C. dahurica</i> Koehne ex Schneid. <i>C. maximowiczii</i> Schneid. <i>C. pentagyna</i> Waldst. et Kit. <i>C. pinnatifida</i> Bunge. <i>C. sanguinea</i> Pall.	Flavonoids, quercetin, hyperoside, l-epicatechin, d-catechin, saponins, chlorogenic acid, caffeic acid, citric acid, crataegolic acid, maslinic acid, ursolic acid. ^{13,33}	Cardiotonic agent, treat hypercholesterolemia, angina pectoris, hypertension.
N.A.	<i>Crataegus laevigata</i> <i>C. monogyna</i> Jacq. <i>C. oxyacantha</i> L.	Flavonoid glycosides, procyanidins, catechins, triterpenoid acid, pectins, amygdalin, proanthocyanidins, emulsin, tartaric acid, tannins, crataegus acid, rutin, coumarins, quercitin, amines. ^{99,100,231,278,279}	Therapeutic treatment of heart insufficiency, hypotensive, coronary blood supply, arrhythmia.
China	<i>Cucurbita moschata</i> Duch. <i>C. pepo</i> L.	Cucurbitine. ³³	Treat taeniasis.
N.A.	<i>Cucurbita maxima</i> L.	Linoleic acid, oleic acid, cucurbitacins, vitamins. ⁹⁹	Against tapeworms in pregnant women and in children, treat nephritis, urinary problems.
China	<i>Cuscuta australis</i> R. Brown	Carotenoids, alpha-carotene-5,6-epoxide, taraxanthin, lutein. ⁴⁸	For fever, constipation, diuretic.
	<i>Cuscuta chinensis</i> Lam. <i>C. europaea</i> L. <i>C. japonica</i> Choisy <i>C. lupuliformis</i> Krockner	Cuscutalin, bergenin, cuscutin, amarbelin, cholesterol, campesterol, beta-sitosterol, stigmasterol, beta-amyrin. ⁴⁸	Improve immunity, increase blood sugar metabolism.

Table 3 Chinese and North American Medicinal Herbs Belonging to the Same Genus and Different Species: Major Constituents and Therapeutic Values (continued)			
Source	Scientific Name	Major Constituents	Therapeutic Values*
N.A.	<i>Cuscuta epithimum</i> Murr.	Flavonoids, hydroxycinnamic acid, bergegin. ¹⁰²	For kidney disorder, liver disease.
China	<i>Cydonia sinensis</i> Thou.	Vitamin C, malic acid, tartaric acid, citric acid, hydrocyanic acid. ⁴⁹	As astringent in diarrhea, analgesic in arthralgia, gout, cholera.
N.A.	<i>Cydonia oblonga</i> Mill.	Tannins, pectin, mucilage, cyanogenic glycosides, amygdalin, fixed oil, tannins. ⁹⁹	For diarrhea, mouthwash, gargle to treat canker sores, gum problems, and sore throat.
China	<i>Cymbopogon citratus</i> (DC) Stapf. <i>C. goeringii</i> (Steud.) A. Camus	Elemicin, cymbopogonol, citral, caprylic, dipentene, methylheptenone, linalool, geranic, methylheptenol, nerol, alpha-terpineol, geraniol, farnesol, citrogellol, decanal, citronellal, farnesal, beta-dihydropseudoionone, isovaleric, citronellic. ^{50,60}	Treat blood in the urine, fever, antiseptic, preservative.
	<i>Cymbopogon distans</i> (Nees ex. Steud.) J. F. Watson <i>C. nardus</i> Rendle	Piperitone. ³³	Antagonize muscle contraction, antitussive, antibacterial.
N.A.	<i>Cymbopogon citratus</i> (DC ex Nees) Stapf. <i>C. martinii</i> (Roxb.) Wats. <i>C. winterianus</i> Jowitt	Volatile oil, citral, citronellal. ^{100,107,117,124}	Treat digestive problems, relieve cramping pains.
China	<i>Cynoglossum divaricatum</i> Stemphan	Potassium nitrate. ⁹⁶	A diuretic.
N.A.	<i>Cynoglossum officinale</i> L.	No information is available in the literature	

China	<i>Cyperus difformis</i> L. <i>C. glomeratus</i> L.	Allelopathic essential oils, terpenes, alpha-cyperone, beta-selinene, alpha-humulene. ^{60,197,198}	A vermifuge, antidote, remedy for dysentery.
	<i>Cyperus rotundus</i> L.	Essential oils, alpha-cyperene, beta-cyperene, alpha-cyperol, beta-cyperol, cyperone, patchoulenone, kobusone, capadiene, epoxyquaine, rotundone, rotunol. ³³	Treat dysmenorrhea, menstrual irregularities.
N.A.	<i>Cyperus esculentus</i> L. <i>C. brevifolius</i> (Rottb.) Hassk.	Fixed oil (chufa, tiger nut oil). ⁹⁹	A digestive tonic, promotes urine production and menstruation.
China	<i>Cypripedium guttatum</i> Swartz <i>C. macranthum</i> Swartz.	Flavonoids, phenol, sterols, vitamin C. ⁴⁸	Diuretic, improve blood circulation, relieve pain.
N.A.	<i>Cypripedium calceolus</i> L. <i>C. pariflorum</i> var. pubescens <i>C. calceolus</i> L. var. pubescens	Cypripedin, tannic acid, gallic acid. ¹⁰⁰	Treat headache, nervousness, anodyne, antispasmodic, sedative.
China	<i>Daphne fortunei</i> Lindl. <i>D. giraldii</i> Nitsche <i>D. koreana</i> Nakai	Genkwanin, yuanhuacine, apigenin, 12-benzoydaphnetoxin, genkwadaphnin, hydroxygenkwanin, yuanhuadine, yuanhuatine. ^{33,53} This herb is toxic.	Induce abortion, treat chronic bronchitis, malaria, cutaneous infections.
N.A.	<i>Daphne mezereum</i> L. <i>D. genkwa</i> Sieb. et Zucc.	Diterpenes (daphnetoxin, mezerein), mucilage, tannins. ⁹⁹ This herb is toxic.	As an external counterirritant only, for rheumatic joints.
China	<i>Desmodium microphyllum</i> (Thunb) DC	Kaempferitrin. ⁴⁸	Antitoxic, relieve diarrhea, cough, pain, snakebites.
	<i>Desmodium pulehellum</i> (L.) Benth.	Bufotenine, nigerine, donoxime. ³³	Antimalarial, antipyretic, antischistosomiasis.

Table 3 Chinese and North American Medicinal Herbs Belonging to the Same Genus and Different Species: Major Constituents and Therapeutic Values (continued)			
Source	Scientific Name	Major Constituents	Therapeutic Values*
China	<i>Desmodium triflorum</i> (L.) DC	Potassium oxide, silicic acid, tannin. ⁶⁰	For dysentery, antirheumatic, antipyretic, jaundice, gonorrhoea. Externally for wounds, abscesses, ulcers.
	<i>Desmodium triquetrum</i> (L.) DC	Potassium oxide, silicic acid, tannin. ^{50,60}	A tonic for dyspepsia, hemorrhoids, infantile spasms, insecticide, vermicide.
N.A.	<i>Desmodium gangeticum</i> (L.) DC	Volatile oil, alkaloid. ⁹⁹	Improve appetite and digestion, treat dysentery and hemorrhoids.
China	<i>Dianthus barbatus</i> L. var. asiaticus Nakai <i>D. oreadum</i> Hance <i>D. superbus</i> L.	Dianthus saponin, essential oils, eugenol. ³³	Antipyretic, diuretic. Treat urinary tract infections, relieve strangury.
N.A.	<i>Dianthus caryophyllus</i> L.	Eugenol, benzyl benzoate, methyl salicylate. ⁹⁹	Treat kidney stones, urinary tract infections, blood in the urine.
China	<i>Dipsacus asper</i> Wall.	Essential oil, alkaloid lamine. ⁵⁰	Increase the leukocyte count, prevent spontaneous abortion.
N.A.	<i>Dipsacus fullonum</i> L.	Inulin, scabioside. ⁹⁹	Diuretic, sweat-inducing and stomach-soothing properties.
China	<i>Dolichos lablab</i> L.	Glucokinin, plant insulin, tryptophane, arginine, lysine, tyrosine. ⁶²	Treat menorrhagia, leucorrhoea, metritis.
N.A.	<i>Dolichos pruriens</i> L.	No information is available in the literature	

China	<i>Dryopteris crassirhizoma</i> Nakai <i>D. laeta</i> (Kom.) Christ.	Filmarone, filicic acid, diplotene, albaspididin, flavaspidin, fernene, dryocrassin. ³³	Anthelmintic, an insecticide, antitumor.
N.A.	<i>Dryopteris filix-mas</i> (L.) Schott.	Oleo-resin, filicin, triterpenes, alkanes, volatile oil. ⁹⁹	For tapeworms.
China	<i>Ephedra distachya</i> L. <i>E. equisetina</i> Bunge. <i>E. intermedia</i> Schrenk ex Mey. <i>E. monosperma</i> Gmel. ex Mey. <i>E. sinica</i> Stapf.	l-ephedrine, l-methylephedrine, l-norephedrine, methylephedrine, d-pseudoephedrinem, d-N-methylpseudoephedrine. ^{30,31,33} This herb is toxic.	Treat asthma, sympathomimetic action, relieve headache, body ache, and coughing, lower fever by increasing perspiration.
N.A.	<i>Ephedra nevadensis</i> Wats.	Pseudoephedrine, l-ephedrine, d-pseudoephedrine. ¹⁰⁰	A decongestant and asthma remedy, for hypertension, hay fever.
China	<i>Epilobium amurense</i> Hausskn. <i>E. hirsutum</i> L. <i>E. palustre</i> L.	No information is available in the literature.	A tonic, galactagogue, stomachache, dropsy. Seed hairs are applied as a styptic.
N.A.	<i>Epilobium angustifolium</i> L.	3-O-β-D-glucuronide, mucilage, tannins. ^{103,117}	Treat skin irritation and burns, gargle for sore throat, laryngitis.
	<i>Epilobium parviflorum</i> Schreb.	Flavonoids, sitosterol, gallic acid derivatives. ¹⁴⁷	Antiphlogistic.
China	<i>Epimedium koreanum</i> Nakai <i>E. brevicorum</i> Maxim. <i>E. macranthum</i> Moore et Decne. <i>E. tanguticum</i> (L.) Hausskn.	Icarlin, noricariin, korepimidoside A, korepimidoside B, icariine, des-O-methyl-licariine, magnoflorine, epimidoside A, polysaccharides. ^{33,48}	Dilate the coronary vessels and increase the coronary flow by reducing vascular resistance.
N.A.	<i>Epimedium sagittatum</i> Jack.	No information is available in the literature.	Internally for asthma, bronchitis, cold or numb extremities, arthritis, lumbago, impotence, premature ejaculation, high blood pressure. ³⁴⁵

Table 3 Chinese and North American Medicinal Herbs Belonging to the Same Genus and Different Species: Major Constituents and Therapeutic Values (continued)			
Source	Scientific Name	Major Constituents	Therapeutic Values*
China	<i>Erysimum amurense</i> Kitag. var. <i>bungei</i> (Kitag.) Kitag. <i>E. cheiranthoides</i> L.	Erysimoside, erysimosol, erucic acid, canescein, erychroside, helveticosol, erythriside, corchoroside A, erysimotoxin. ^{35,48}	Treat cold and cold-related infections, sore throat, dizziness.
N.A.	<i>Erysimum officinale</i>	No information is available in the literature	
China	<i>Erythrina corallodendron</i> L. <i>E. indica</i> Lam. <i>E. variegana</i> L.	Alkaloids. ⁵⁰ This herb is toxic.	Anthelmintic, antisyphilitic, laxative, analgesic in arthritis, neuralgia, rheumatism.
N.A.	<i>Erythrina centaurium</i> Lour.	Secoiridoids. ⁹⁹	
China	<i>Eucalyptus robusta</i> Sm.	Essential oils, cineol, thymol, gallic acid. ³³	Antibacterial, antimalarial. Externally treat <i>Trichomonas vaginalis</i> .
N.A.	<i>Eucalyptus citriodora</i> Hool. <i>E. globulus</i> Labill.	Cineole, eucalyptol, caffeic acid, coumaric acid, gallic acid, gentisic acid, hydroxybenzoic acid, syringic acid, vanillic acid. ^{99,100}	Externally for athlete's foot, dandruff, herpes, and an inhalation for fevers and asthma.
China	<i>Euonymus alatus</i> (Thunb.) Sieb. <i>E. bungeanus</i> Maxim. <i>E. maackii</i> Rupr.	Quercetin, dulcite, epifriedelinol, friedelin, resin, fatty acid. ³³	Regulate blood flow, relieve pain, eliminate stagnant blood, treat dysmenorrhea.
N.A.	<i>Euonymus atropurpureus</i> Jacq.	Cardienolides, cardiac glycosides, asparagine, sterols, tannins. ⁹⁹	A gallbladder remedy with laxative and diuretic properties. Treat biliousness, liver problems, eczema, constipation.

China	<i>Eupatorium chinense</i> L. var. <i>simplicifolium</i> (Malcino) Kitam. <i>E. formosanum</i> L. <i>E. japonicum</i> Thunb. <i>E. lindleyanum</i> DC <i>E. odoratum</i> L.	Sesquiterpine lactones, eupatolide, eupafornonin, eupafornosanin, michelenolide, costunolide, parthenolide, santamarine. ³³	Anticancer.
N.A.	<i>Eupatorium perfoliatum</i> L.	Sesquiterpene lactones (eupafolin), polysaccharides, flavonoids, diterpenes, sterols, volatile oil. ¹⁰⁰	Immunostimulant. Relieve common cold, stimulate resistance to viral, bacterial infection.
China	<i>Fagopyrum esculentum</i> Moench. <i>F. sagittatum</i> Gilib.	Rutin, quercetin, caffeic acid, orientin, homoorientin, vitexin, saponaretin, cyanidin, leucoanthocyanin. Seeds contain amylase, linamarase, maltase, phosphatides, protease, quercitol, rhamnose, urease. ^{48,50}	For colic and diarrhea, stop cold sweats.
	<i>Fagopyrum tataricum</i> (L.) Gaertn.	Rutin, flavones. ⁴⁸	For stomachache, leg pain, a digestive.
N.A.	<i>Fagopyrum turticum</i> (L.) Gaertn. <i>F. esculentum</i> Moench.	Bioflavonoids, rutin. ⁹⁹	Strengthen the inner lining of blood vessels.
China	<i>Fragaria indica</i> Andr.	Emodin, chrysophanic acid, phytosterol, volatile oil, calcium. ⁶⁰	Insecticide, antidote, treat whitlow, burns, snakebite.
N.A.	<i>Fragaria vesca</i> L.	Tannins, vitamin C, pectin, citric acid, malic acid. ¹⁰²	Stimulate appetite, antidyspeptic.
China	<i>Fraxinus bungeana</i> DC <i>F. chinensis</i> Roxb. <i>F. floribunda</i> Bunge. <i>F. obovata</i> Blume. <i>F. ornus</i> L. var. <i>bungeana</i> Hance <i>F. rhynchophylla</i> Hance.	Fraxin, aesculin. ³³ This herb is toxic.	Antibacterial, analgesic, anti-inflammatory.

Table 3 Chinese and North American Medicinal Herbs Belonging to the Same Genus and Different Species: Major Constituents and Therapeutic Values (continued)			
Source	Scientific Name	Major Constituents	Therapeutic Values*
N.A.	<i>Fraxinus americana</i> L. <i>F. excelsior</i> L. <i>F. ornus</i> L.	Coumarins, flavonoids, tinnins, volatile oil. ⁹⁹	A tonic, astringent, laxative, diuretic, treat fevers.
China	<i>Galium bungei</i> Stead. <i>G. spurium</i> L. <i>G. verum</i> L. var. <i>leiocarpum</i> Ledeb.	Alisarin, rubrierythrinic acid, purpurin. ⁶⁰	Treat rheumatism, jaundice, menstrual difficulties, epistaxis, hemorrhages.
N.A.	<i>Galium aparine</i> L.	Iridoid valepotriates, polyphenolic acids, anthraquinones, tannins. ^{99,107}	For vitamin C deficiency.
China	<i>Gaultheria leucocarpa</i> f. var. <i>cumingiana</i> (Vidal) Sleumer	Methylsalicylate, salicylic acid. ⁶⁰	Treat rheumatism, an antiseptic.
N.A.	<i>Gaultheria procumbens</i> L.	Methylsalicylate. ¹⁰⁰	Antiseptic, carminative, diuretic.
China	<i>Gelidium amansii</i> Lamx.	Agarose, agarpectin, taurine. ³³	A mild laxative in the treatment of chronic constipation.
N.A.	<i>Gelidium cartilagineum</i> L.	Polysaccharides, agarose, agarpectin, mucilage. ⁹⁹	Laxative, stimulating bowel activity and elimination of feces.
China	<i>Geranium dahuricum</i> DC <i>G. eriostemon</i> Fisch. ex DC <i>G. sibiricum</i> L. <i>G. wilfordi</i> Maxim.	Kaempferitrin, gallic acid, quercetin, succinic acid, tannin. ^{48,50,65}	Astringent, for diarrhea, endometritis, nervous diseases, numbness of limbs, pains, rheumatism. It helps circulation and strengthens bones and tendons.
N.A.	<i>Geranium macrorrhizum</i> L. <i>G. robertianum</i> L. <i>G. maculatum</i> L.	Tannins. ⁹⁹	Treat stomach disorder, aphrodisiac, colitis, peptic ulcer.

China	<i>Geum aleppicum</i> Jacquin	Flavones, fatty acids, eugenol, gein, geoside. ⁴⁸	Treat bleeding, bug bite, convulsive disorder, fevers, irritability, obstinate skin diseases.
N.A.	<i>Geum urbanum</i> L.	Phenolic glycosides (eugenol), tannins, volatile oil, sesquiterpene lactone, cnicin. ⁹⁹	Treat mouth, throat, and gastrointestinal tract disorders. For peptic ulcers, irritable bowel syndromes.
China	<i>Glycyrrhiza pallidiflora</i> Maxim. <i>G. uralensis</i> Fisch. ex DC	Glycyrrhiza, triterpenoid saponin, flavonone glucoside, liquiritin, aglycone, liquiritigenin, chalcone glucose, isoliquiritin, aglycone, isoliquiritigenin. ^{1,33}	Anti-inflammatory, anticonvulsant, calmative, antidote, antispasmodic, anti-ulcer.
N.A.	<i>Glycyrrhiza glabra</i> L.	Glycorrhizin, mucilage, flavonoids, glycyrrhetic acid, saponin, glabridin, tannic acid, 2- β -glucuronosyl, glucuronic acid. ^{99,100,107,280,281,312}	Antiulcerative, treat stomach, duodenal ulcers, anti-inflammatory, antiallergic, antihepatitis.
China	<i>Hedera rhombea</i> (Miq.) Bean	Hederin, hederic acid, tannic acid, oleic acid. ⁵⁰	For cough, headache, diaphoretic, emmenagogue.
N.A.	<i>Hedera helix</i> L.	Tannins, hederin, aglycone, iodine, beta-elemone, elixen, hederacoside B, hederacoside C, germacrene B. ¹⁰⁰	An expectorant with antispasmodic and cardiac actions.
China	<i>Hepatica asiatica</i> Nakai	No information is available in the literature.	Anodyne, antifebrile, for angina and sunstroke, local application in smallpox ulcerations. ³³
N.A.	<i>Hepatica nobilis</i> Gars.	No information is available in the literature.	For bronchial and digestive complaints, and liver and gall bladder disorders. ³⁴⁵

Table 3 Chinese and North American Medicinal Herbs Belonging to the Same Genus and Different Species: Major Constituents and Therapeutic Values (continued)			
Source	Scientific Name	Major Constituents	Therapeutic Values*
China	<i>Heracleum dissectum</i> Ledeb.	This herb is used in the same way and as a substitute for Angelica (ferulic acid, succinic acid, nicotinic acid, uracil, adenine, butylidenephaldide, ligustilide, folic acid, biotin, polysaccharide ³³), with less effect. ⁶⁰	Relieve headache, toothache, hematuria, gonorrhoea, itching skin, swellings, remove corns from the feet.
N.A.	<i>Heracleum maximum</i> Barr. <i>H. lanatum</i> Michx. <i>H. sphondylium</i> L.	Sphondin, psoralen, heraclein, glutamine, essential oil. ¹⁰²	For headaches, poor memory, melancholy, agitation, indigestion, and asthma.
China	<i>Hieracium umbellatum</i> L.	Vitamin C, tannic acid. ⁴⁸	Relieve pain, bladder infection, diarrhea.
N.A.	<i>Hieracium pilosella</i> L.	Coumarin, umbelliferone, flavonoids, caffeic acid. ⁹⁹	Antifungal. Relax the muscles of the bronchial tubes, stimulate the cough reflex, reduce mucus.
China	<i>Hydnocarpus anthelmintica</i> Pierre <i>H. castaneus</i> H. F. & Th.	Hydnocarpus oil, hynocarpic acid, chaulmoogric acid, gorlic acid. ³³	Anthelmintic.
N.A.	<i>Hydnocarpus kurzii</i> (King) Warb.	No information is available in the literature. This herb may cause vomiting, dizziness and breathing difficulties. ³⁴⁵	For leprosy, scabies, eczema, psoriasis, scrofula, ringworm, and intestinal worms. ³⁴⁵
China	<i>Hydrangea macrophylla</i> (Thunb.) Seringe	Febrifugin, hydrangeic acid, hydrangenol, rutin. ⁵⁰	Antimalarial, antitussive, diuretic.
N.A.	<i>Hydrangea arborescens</i> L.	Flavonoids, cyanogenic glycoside, saponins, hydrangein, tannin. ^{99,100}	Treat kidney and bladder stones.

China	<i>Hyoscyamus bohemicus</i> F. W. Schmidt	Alkaloid. ⁶⁰ This herb is mildly toxic.	Antispasmodic activity.
N.A.	<i>Hyoscyamus niger</i> L.	Tropane alkaloids, hyoscyamine, hyoscine. ⁹⁹	A sedative, painkiller, antispasmodic.
China	<i>Hyssopus ocyimifolius</i> Lam.	Essential oils, elsholtzia ketone, elsholtzianic acid, furylmethyl ketone, furylpropyl ketone, furylisobutyl ketone, furane, pinene, terpen. ⁴⁹	Stomachic, carminative, diuretic.
N.A.	<i>Hyssopus officinalis</i> L.	Pinene, limonene, pinenecamphene, hesperidin, tannins, terpenes. ^{99,107}	Treat respiratory problem, coughs, sore throat, hoarseness, asthma, bronchitis.
China	<i>Ilex chinensis</i> Sims.	Protocatechuic acid, protocatechuic aldehyde, ursolic acid, tannic acid. ³³	Treat angina pectoris, thrombophlebitis, extremity ulceration.
	<i>Ilex pubescens</i> Hook & Am.	Flavone, ursolic acid, 3,4-dihydroxyacetophenone, scopoletin, hydroquinone, vomifliol. ³³	Treat angina pectoris, acute myocardial infarction, central angiospastic retinitis, cerebral thrombosis, thrombophlebitis.
N.A.	<i>Ilex aquifolium</i> L. <i>I. paraguensis</i> st. Hil.	Triterpenoids, salicylic acid, caffeine, isophthalic acid. ¹⁴⁷	Relieve menstrual cramps, calm nervous stomach.
China	<i>Impatiens balsamina</i> L. <i>I. noli-tangere</i> L. <i>I. textori</i> Miq.	Gentisic acid, ferulic acid, p-coumaric acid, sinapic acid, caffeic acid, scopoletin, lawsone. ³³	Treat arthritis, relieve pain.
N.A.	<i>Impatiens pallida</i> Nutt. <i>I. capensis</i> Meerb.	Lawsone, seed oil contains alpha-spinasterol, beta-ergosterol. ³⁰²	Remedy for rashes, pain caused by insect bites, anti-inflammatory.
China	<i>Inula britannica</i> L. <i>I. japonica</i> Thunb. <i>I. linariaefolia</i> Turcz. <i>I. salsoloides</i> (Turcz.) Ostenfeld.	Inusterol A, taraxasterol, inusterol B, inulicin, flavone, caffeic acid, chlorogenic acid, isoquercitrin, quercetin. ^{48,50}	Discutient, vulnerary, carminative, deobstruent, diuretic, treat ascites, bronchitis, cancer, chest congestion.

Table 3 Chinese and North American Medicinal Herbs Belonging to the Same Genus and Different Species: Major Constituents and Therapeutic Values (continued)			
Source	Scientific Name	Major Constituents	Therapeutic Values*
N.A.	<i>Inula helenium</i> L.	Inulin, resin, mucilage, helenalin, dammaranediol. ⁹⁹	For asthma, chest cold, stomach ulcers, antitussive, diuretic, antiseptic.
China	<i>Ipomoea barbata</i> Both. <i>I. hederacea</i> Jacq. <i>I. triloba</i> Thunb.	Glycoside pharbitin, gibberellin, pharbilic acid. ³³ This herb may be toxic.	Potent purgative, purge parasites, ascaris, and taenia. Treat constipation, edema.
	<i>Ipomoea cairica</i> (L.) Sweet	Muricatin A, beta-sitosterol. ⁵⁰	Purgative.
N.A.	<i>Ipomoea purga</i> (Wender) Hayne	Convolvulin. ⁹⁹	Elimination of profuse watery stools.
China	<i>Iris aqyatuca</i> Forskal <i>I. buatatas</i> (L.) Lamarck. <i>I. dichotoma</i> Pallas	Tectoridin, iridin, flavon. ⁴⁸	Treat lung diseases, cough, pneumonia, uneasy breathing.
	<i>Iris lactea</i> Pall. subsp. chinensis (Fisch.) Kitag.	Iridin, irigenin, irisflorentin. ⁶⁰	Astringent, diuretic, hemostatic, remedy for hemorrhage, postpartum difficulties.
	<i>Iris pallasii</i> Fisch.	Irisquinone. ³³	Treat cancer, hepatoma, lymphatic sarcoma.
N.A.	<i>Iris versicolor</i> L. <i>I. pseudacorus</i> L.	Triterpenoids, salicylic acid, isophthalic acid, alpha-phytosterol, myricyl alcohol. ¹⁰⁰	Relieve menstrual cramps, calm nervous stomach.
China	<i>Isatis chinensis</i> (Thunb.) Nakai	Quercetin, kaempferol, stachyose, manneotetrose, lupeose, cicerose, isatan, indoxyl-5-ketogluconate. ⁵⁰	Antiviral, antibacterial, increase blood flow, improve microcirculation, lower blood pressure.
	<i>Isatis indigotica</i> Fortune ex Lindley <i>I. oblongata</i> DC	Indican, isatan B, indigo, glucobrassicin, meoglucobrassicin. ³³	Antibacterial, antipyretic, anti-inflammatory, choleric.

N.A.	<i>Isatis tinctoria</i> L.	No information is available in the literature.	For meningitis, encephalitis, mumps, influenza, erysipelas, heat rash, sore throat, abscesses, and swellings. ³⁴⁵
China	<i>Jasminum mesnyi</i> Hance <i>J. nudiflorum</i> Lindley	Syringin, jasmiflorin, jasmipierin, mannose, tannin. ⁶⁰	Diaphoretic.
	<i>Jasminum samba</i> (L.) Aiton	Formic acid, benzoic acid, acetic acid, anthranil acid, sesquiterpene, sesquijasmine. ⁶⁰ This herb (root) is toxic.	Sedative, anesthetic, vulnerary properties. For congestive headache, lactifuge.
N.A.	<i>Jasminum grandiflorum</i> L. <i>J. officinale</i> L.	Essential oil, isoquercitrin, ursolic acid, 2-3,4-dihydroxyphenyl-ethanol. ^{282,283}	Treat high fever, sunstroke, cancer, and Hodgkin's disease.
China	<i>Juniperus rigida</i> Sieb. et Zucc.	Alpha-pinene, myrcene, carene, limonene, p-cymene, beta-elemene, caryophyllene, humulene, r-cadinene, terpinene, borneol, citronellol, anethole. ⁴⁸	Hemorrhage, treat hemoptysis, inflammation, kidney infection, arthritis joint infection.
	<i>Juniperus rigida</i> Sieb. et Zucc. f. <i>modesta</i> (Nakai) Y. C. Chu	Alpha-pinene, myrcene, carene, limonene, p-cymene, beta-elemene, caryophyllene, humulene, r-cadinene, terpinene, borneol, citronellol, anethole. ⁴⁸	Hemorrhage, treat hemoptysis, inflammation, kidney infection, arthritis joint infection.
N.A.	<i>Juniperus communis</i> L. <i>J. horizontalis</i> Moench. <i>J. sabina</i> L.	Resin, pinene, borneol, inositol, juniperin, limonene, cymene, terpinene. ^{100,102,107}	For dropsy, bladder and kidney disorders, rheumatic pain.
China	<i>Justicia gendarussa</i> L. <i>J. procumbens</i> L.	Gentianine, gentianidine, gentianol. ³³	Treat rheumatism and fever, antipyretic, anti-inflammatory, antihypersensitivity and antihistaminic effects.
N.A.	<i>Justicia adhatoda</i> L.	Alkaloids, volatile oil. ⁹⁹	For bronchitis, tuberculosis.

Table 3 Chinese and North American Medicinal Herbs Belonging to the Same Genus and Different Species: Major Constituents and Therapeutic Values (continued)			
Source	Scientific Name	Major Constituents	Therapeutic Values*
China	<i>Lactuca raddeana</i> Maxim. <i>L. indica</i> L. <i>L. sativa</i> L.	Pectic compound, oxalic acid, malic acid, citric acid, ceryl alcohol, ergosterol, vitamin E. ⁵⁰	Anodyne, lactogogue, for genital swelling, hemorrhoids, lumbago.
N.A.	<i>Lactuca serriola</i> L.	Sesquiterpene lactones, lactucopicrin, lactucerin, flavonoids, coumarins. ⁹⁹	Sedative, for excitability in children, treat coughs, lower the libido, relieve pain.
China	<i>Laminaria angusta</i> Kjellium <i>L. japonica</i> Aresch. <i>L. religiosa</i> Miyabe.	Iodine, potassium, calcium, amino acids, laminarin, laminine, algin. ³³	Improve thyroid function, correct the malignant vicious cycle effect of iodine deficiency, lower blood pressure.
N.A.	<i>Laminaria digitata</i> (Hudss.) Lank. <i>L. longicuris</i> Lank. <i>L. saccharine</i> (L.) Lank.	Phenols, polysaccharides, iodine. ^{284,285,286,287,288}	Treat iodine deficiency, antibiotic, promote hormone production.
China	<i>Leonurus heterophyllus</i> Sweet <i>L. japonicus</i> Houttuyn. <i>L. macranthus</i> Maxim. <i>L. mongolicus</i> V. Kreczet. et Kupr.	Leonurine, stachydrine, leonardine, leonurinine, vitamin A, fatty oils. ³³	Stimulates uterine contractions, respiratory system, proliferation of T cells, skeletal muscles.
	<i>Leonurus sibiricus</i> L. <i>L. sibiricus</i> L. f. albiflorus (Nakai et Kitag.) G. Y. Wu et H. W. Li	Essential oil, leonurin. ⁴⁹	Emmenagogue, diuretic, vasodilator.
N.A.	<i>Leonurus cardiaca</i> L.	Leonurin, leonuride, pyrogallol, catechins, choline, saponins. ¹⁰⁰	Emmenagogue, cardiologic, astringent, antispasmodic, hypotensive.
China	<i>Ligusticum chuanziang</i> Hort.	Tetramethylpyrazine, perlolyrine, leucylphenylalanine anhydride, cnidilide, neocnidilide, ligustilide. ³³	Promote blood flow, remove blood stasis and relieve pain.

China	<i>Ligusticum jeholense</i> (Nakai et Kitag.) Nakai et Kitag. <i>L. sinense</i> Oliv. <i>L. tenuissimum</i> (Nakai) Kitag.	Nothosmyrrol. ³³	Induce diaphoresis, for gout, an anodyne, emmenagogue, sedative.
N.A.	<i>Ligusticum scoticum</i> L.	Phthalides, terpenoides, essential oil. ⁹⁹	Prevent bone marrow loss, treat acquired immune deficiency syndrome, respiratory tract infections, hepatitis, hypertension, Parkinson's disease.
China	<i>Ligustrum japonicum</i> Thunb. <i>L. lucidum</i> Mill.	Nuzhenide, oleanolic acid, ursolic acid. ³³	Increase leukocyte count, a cardiac tonic, diuretic.
N.A.	<i>Ligustrum vulgare</i> L.	Essential oil, phthalides, terpenoides. ¹⁰⁰	Prevent bone marrow loss, treat acquired immune deficiency syndrome, respiratory tract infections, hypertension, Parkinson's disease, and hepatitis.
China	<i>Lilium japonicum</i> Thunb. <i>L. lancifolium</i> Thunb. <i>L. pumilum</i> DC <i>L. concolor</i> Salisb.	Protein, colchicine. ⁴⁹	Relieve coughing, ease anxiety, improve digestion, treat anxiety, apprehension, carminative, sedative, gynecologic disorders.
N.A.	<i>Lilium candidum</i> L.	No information is available in the literature.	
China	<i>Lindera akoensis</i> Hayata <i>L. obtusiloba</i> Blume f. villosa (Blume) Kitag.	Campesterol, linderol, capric acid, lauric acid, myristic acid, linderic acid, dodecen-4-oic acid, tetradecen-4-oic acid, tsudzuic acid, oleic acid, linoleic acid. ⁴⁸	Treat wounds, reduce swelling, pain.
	<i>Lindera communis</i> Hemsley	Fatty acids. ⁵⁵	Relieve swelling, pain, bleeding, treat infection.

Table 3 Chinese and North American Medicinal Herbs Belonging to the Same Genus and Different Species: Major Constituents and Therapeutic Values (continued)			
Source	Scientific Name	Major Constituents	Therapeutic Values*
China	<i>Lindera glauca</i> (Sieb. et Zucc.) Blume.	Essential oils, cineole, caryophyllene, bornylacetate, camphene, beta-pinene, limonene, fatty acids. ⁵⁵	Carminative properties, treat arthritis joint pain.
	<i>Lindera megaphylla</i> Hemsley	Essential oils. ⁵⁵	Promote sweating, treat wounds.
	<i>Lindera strychnifolia</i> Vill.	Essential oils including lindenestrene, linderane, linderene, linderalactone, isolinderalactone, isolinderoxide, lindenestrolide, isofuranogermacrene, linderoxide, neolinderalactone. ³³	Improve circulation, relieve pain, abdominal distention, fever.
N.A.	<i>Lindera benzoin</i> (L.) Blume	No information is available in the literature.	
China	<i>Liquidambar acerifolia</i> Max. <i>L. formosana</i> Hance <i>L. maximowiczii</i> Miq.	Balsam (resin), cinnamic alcohol, cinnamic acid, l-borneol, camphene, dipentane, terpene. ^{60,69}	Analogous, externally as antiphlogistic and astringent in skin diseases, antihemorrhagic.
N.A.	<i>Liquidambar orientalis</i> Mill. <i>L. styraciflua</i> L.	Levant storax: cinnamic acid, cinnamyl cinnamate, phenylpropyl cinnamate, triterpene acid. ⁹⁹	Internally for strokes, infantile convulsions, coma, heart disease, and pruritus.
China	<i>Lobelia chinensis</i> L. <i>L. pyramidalis</i> Wallich. <i>L. sessilifolia</i> Lambert	Lobelina, lobelanine, lobelanidine, isolobelamine. Lobelina has been approved by the FDA to curb the tobacco habit. ^{33,50,71} This herb may be toxic.	Diuretic, increase respiration via stimulation of carotid chemoreceptors. Treat snakebites, insecticide, reduce swelling, depurative, antirheumatic, antisyphilitic.
N.A.	<i>Lobelia inflata</i> L.	Lobelina, lobelidiol, lobelanidine, carboxylic acid. ^{99,100,289}	Respiratory stimulant, antispasmodic, induce vomiting.
	<i>Lobelia siphilitica</i> L.	Alkaloids. ¹⁵⁴	Treat syphilis.

N.A.	<i>Lobelia pulmonaria</i> L.	d-Usonic acid, thamnolic, polysaccharides, anthraquinones. ¹⁵⁴	Stimulate immune system, antitumor, cancer.
China	<i>Lonicera acuminata</i> Wallich <i>L. apodonta</i> Ohwi <i>L. brachypoda</i> DC <i>L. chinensis</i> Wats. <i>L. hypoglauca</i> Miq.	Luteolin, inositol, lonicerin, loganin, syringin, saponins, tannin, chlorogenic acid, luteolin-7-rhamnoglucoside. ^{33,48,55}	Antibacterial, cytoprotective, antilipemic, antiphlogistic.
N.A.	<i>Lonicera caerulea</i> L. <i>L. caprifolium</i> L.	Sorbitol, inositol, limonic acid, malic acid, citric acid, tannins, salicylic acid. ¹⁰²	Hypotensive, sedative, antipyretic.
China	<i>Loranthus parasiticus</i> (L.) Merr. <i>L. yadoriki</i> Sieb. et Zucc.	Saponins, including avicularin, quercetin. ⁴⁰	Treat angina pectoris, cardiac arrhythmias, hypertension. Ointment to treat frostbite.
N.A.	<i>Loranthus europaeus</i> L.	Flavonoids, kaempferol, quercetin. ³²⁸	
China	<i>Lycium barbarum</i> L. <i>L. chinense</i> Miller	Betaine, zeaxanthin, physalein, carotene, nicotinic acid, vitamin C. ³³	Increase leukocyte count, increase immunity, stimulation of tissue development.
N.A.	<i>Lycium pallidum</i> L.	Betaine, beta-sitosterol, physalin, cinnamic acid, psyllic acid, carotene. ⁹⁹	Treat blood pressure, menopausal complaints, chronic fevers, internal hemorrhage, tuberculosis.
China	<i>Lycopus fargesii</i> Herter <i>L. lucidus</i> Turcz. <i>L. obscurum</i> L. <i>L. phlegmaria</i> L. <i>L. veitchii</i> Christ.	Resin, lycopose, raffinose, stachyose, glucose. ⁴⁸	For abdominal distention, abscesses, congestive edema, blood extravasation.
N.A.	<i>Lycopus virginicus</i> L.	Phenolic acids, caffeic derivatives, chlorogenic derivatives, ellagic acids. ⁹⁹	Treat overactive thyroid gland, an astringent to reduce the production of mucus.

Table 3 Chinese and North American Medicinal Herbs Belonging to the Same Genus and Different Species: Major Constituents and Therapeutic Values (continued)			
Source	Scientific Name	Major Constituents	Therapeutic Values*
China	<i>Lysimachia barystachys</i> Bunge. <i>L. christinae</i> Hance <i>L. clethroides</i> Duby <i>L. davurica</i> Ledeb.	Essential oils, 1-pinocamphone, 1-menthone, 1-pinene, limonene, 1,8-cineol, p-cymene. ³³	Diuretic, a choleric agent, antibacterial.
N.A.	<i>Lysimachia vulgaris</i> L.	Saponins, flavonoids, tannins, benzoquinene. ⁹⁹	Treat gastrointestinal conditions such as diarrhea, dysentery, stop bleeding.
China	<i>Mahonia japonica</i> DC	Berberine, jatrorrhizine. ⁹⁷	Antipyretic, backache, cough, dysentery, enteritis, fever.
N.A.	<i>Mahonia aquifolium</i> (Lindl.) Don	Berberine, protoberberine alkaloids, oxyberberine, magnoflorine, columbamine. ^{100,273,274}	Treat eczema, gall bladder disorder, chronic hepatitis B, gastritis, diarrhea, antipsoriasis.
China	<i>Malva chinensis</i> Mill. <i>M. pulchella</i> Berhn. <i>M. verticillata</i> L.	l-arabinose, l-rhamnose, d-galacturonic acid. ⁷⁵	Treat stomach and intestinal disorders, to make labor easier, laxative, treat gonorrhea, congestion, constipation.
N.A.	<i>Malva rotundifolia</i> L. <i>M. sylvestris</i> L.	Flavonol glycosides, gossypin-3-sulfate, mucilage, tannins, anthocyanin, malvin. ⁹⁹	A demulcent, a poultice to reduce swelling and draw out toxins. Internally to reduce gut irritation, laxative effect.
China	<i>Marsdenia tenacissima</i> (Roxb.) Wight. et. Arn.	Saponins, marsdeoreophisides, metaploxigenin, sarcostin. ³³	Antiasthmatic, hypotensive, antibacterial.
N.A.	<i>Marsdenia condurango</i> R. Br.	Condurangogenins, volatile oil, phytosterols. ⁹⁹	Stimulate stomach secretions. A digestive tonic.

China	<i>Melilotus alba</i> Medicus <i>M. indica</i> (L.) All. <i>M. suaveolens</i> Ledeb.	Hydroxycinnamic acid, coumarinic acid, 4-hydroxycinnamic acid, coumaric acid, umbelliferone, scopoletin, melilotoside, melilotic acid, beta-D-glucosyloxy, dicumarol, chlogogenic acid, caffeic acid, melilotic acid. ⁴⁸	Anticoagulant, treat bowel complaints, infantile diarrhea. A bactericide.
N.A.	<i>Melilotus arvensis</i> L.	Flavonoids, coumarins, resin, tannins, volatile oil, dicoumarol. ¹⁰²	Help varicose veins and hemorrhoids, reduce the rash of phlebitis and thrombosis.
	<i>Melilotus officinalis</i> Lamk.	Flavonoids, resin, tannins, coumarins, hydroxycoumarin, hydrocoumarin. ^{99,107}	Reduce the risk of phlebitis and thrombosis, sedative, antispasmodic.
China	<i>Melochia corchchonfolia</i> L.	Trifalin, melocorin, hibifolin. ⁵⁷	As poultice to treat sores, swelling, and pain in the abdomen. Also treat vomiting.
N.A.	<i>Melochia tomentosa</i> L.	Melovinone, melosatin D, stigmaterol, beta-sitosterol, beta-sitosterol, beta-D-glucoside, octacosanol. ^{326,327}	Tumourigenic properties.
China	<i>Menispermum dauricum</i> L.	Acutumine, acutumine, dauricine, disinomenine, magnoflorine, menispermine, sinomenine, stepharine, tetrandrine. ⁵⁰	Antitumor, cytotoxic, alleviate skin allergies, antirheumatic, anticancer against esophageal cancer.
N.A.	<i>Menispermum canadense</i> L.	Dauricine, tetrandrine, viburnito, acutumine, acutomidine, daurinoline, N-desmethyldauricine, magnoflorine. ¹⁰⁰ Fruits are toxic if eaten in quantity.	Cyanogenetic, diuretic, laxative, nervine, stomachic.
	<i>Menispermum palmatum</i> L.	Pulegone, pinenes, limonene, lauric acid, myristic acid, palmitic acid, beta-methyl-adipic acid, phenol, cresols, eugenal. ¹⁰⁰	For uterine tumors, uterine fibroids, indurations of the uterus.

Table 3 Chinese and North American Medicinal Herbs Belonging to the Same Genus and Different Species: Major Constituents and Therapeutic Values (continued)			
Source	Scientific Name	Major Constituents	Therapeutic Values*
China	<i>Mentha arvensis</i> L. <i>M. dahurica</i> Fisch. ex Benth. <i>M. haplocalyx</i> Briq. <i>M. sachalinensis</i> (Briq.) Kudo	Menthol, menthone, methyl acetate. ³³	Stimulate gastrointestinal tract motility and central nervous system, dilate peripheral blood vessels. Increase sweat gland secretion.
N.A.	<i>Mentha pulegium</i> L.	Pulegone, isopulegone, menthol, terpenoids. ⁹⁹	Digestive tonic, relieve flatulence and colic.
	<i>Mentha spicata</i> L. <i>M. x piperita</i> L.	Menthol, menthone, isomenthone, pinene, myrcene, limonene, cineole, cymene, terpinene, carvone, luteolin. ^{99,100,107,130}	Carminative, stomachic, mild antispasmodic, expectorant, antiseptic, and local anesthetic properties.
China	<i>Mimosa arborea</i> Thunb.	Tannin, saponins. ⁴⁹	Tonic, stimulant, anthelmintic.
	<i>Mimosa invisa</i> Mart. et Colla	Minosine. ⁷⁸ This herb is toxic if overdose.	Treat neurosis, trauma wound, and hemoptysis. It has a tranquilizing effect.
N.A.	<i>Mimosa hostilis</i> Benth.	Nigerine. ¹⁰⁰	An astringent, cure fatigue.
China	<i>Morinda citrifolia</i> L. <i>M. officinalis</i> L.	Dihydroxy methyl anthraquinone, glucoside morindin, rubichloric acid, alizarin, alpha-methyl ether, rubiadin-I-methyl ether, tannin, morindadiol, soranjudiol, masperuloside, nordamnacanthal. ⁵⁰	Treat beri-beri, cancer, lumbago, cholecystitis, increase leukocyte count, stimulate endocrine system.
	<i>Morinda parvifolia</i> Bartling	Methanolic, morindaparvin-A, alizarin-1-methyl ether. ⁵⁰	Against p-388 lymphocytic leukemia growth (<i>in vivo</i>), cytotoxic, antileukemic.

N.A.	<i>Morinda didyma</i> L. <i>M. fistulosa</i> L. <i>M. punctata</i> L.	Morindin, vitamin C. ⁹⁹	Treat impotence and premature ejaculation in men, infertility.
China	<i>Murraya paniculata</i> (L.) Jack	L-Cadinene, methylanthranilate, carene, bisabolene, paniculatin, coumurrayin, 5-guaizulene, osthol, beta-caryophyllene, geraniol. ³³	Relieve pain, remove toxic substances, an antispasmodic, antagonize muscular spasms.
N.A.	<i>Murraya koenigii</i> (L.) K. Spreng.	Glycoside (koenigin), volatile oil, tannins. ⁹⁹	Increase digestive secretions, relieve nausea, indigestion, and vomiting. Treat diarrhea and dysentery.
China	<i>Myrica rubra</i> (Lour.) Sieb. et Zucc.	Myricetin. ³³	Treat gastric pain, diarrhea, dysentery.
N.A.	<i>Myrica cerifera</i> L. <i>M. pennsylvanica</i> Lois.	Triterpenes, flavonoids, tannins, phenols, resins. ⁹⁹	Increase circulation, stimulate perspiration.
China	<i>Nardostachys jatamansi</i> DC	Essential oil, jatamansic acid, sesquiterpene. ^{49,80}	Aromatic stomachic, sedative, antispasmodic.
N.A.	<i>Nardostachys grandiflora</i> DC	No information is available in the literature.	For nervous indigestion, insomnia, depression, and tension headaches. ³⁴⁵
China	<i>Nelumbium nelumbo</i> Druce.	Liensinine, isoliensinine, neferine, lotusine, methyl-corypalline, demethyl-coclaurine. ³³	Tranquilizing and antihypertensive.
	<i>Nelumbium nuciferum</i> Gaertner <i>N. speciosum</i> Willd.	Nuciferine, roemerine, anonaine, O-nornuciferine, lirodenine, anneparine, dihydronuciferine, pronuciferine, N-methylcoclaurine, N-methylisococlaurine. ³³	Relaxing effect on smooth muscles, increase essential body energies.
N.A.	<i>Nelumbium officinale</i> L.	No information is available in the literature.	For hemorrhage, nosebleed, excessive menstruation, hypertension. ³⁴⁵

Table 3 Chinese and North American Medicinal Herbs Belonging to the Same Genus and Different Species: Major Constituents and Therapeutic Values (continued)			
Source	Scientific Name	Major Constituents	Therapeutic Values*
China	<i>Nerium indicum</i> L.	Oleandrin (toxic), oleandrose. ³³	Treat psychosis, congestive heart failure, analgesic, emmenagogue.
N.A.	<i>Nerium oleander</i> L.	Oleandrin, neriin, folinerin, rosagenin, cornerin, pseudocuramine, rutin, cortenerin, oleandomycin. ¹⁰⁰ This herb is highly toxic.	Cardiac, cardiotonic, cyanogenetic, diuretic, emetic, emmenagogue, insecticidal, parasiticide, purgative, sternutatory, stimulant.
China	<i>Nymphaea tetragona</i> Georgi	Amino acids. ⁴⁸	A cooling lotion to apply to eruptive fevers, treat colic, gonorrhoea, lower blood pressure.
N.A.	<i>Nymphaea alba</i> L.	Tinnins, nupharine, nymphaeine, resin. ⁹⁹	Astringent, cardiologic and antispasmodic properties, a proprietary medicine to reduce sexual drive.
China	<i>Oplopanax elatus</i> (Nakai) Nakai	Essential oil, echinopanacene, n-caprylaldehyde, echinopanacol, oplopanaxosides, flavonoids. ^{48,50,72}	A remedy and tonic for progressive emaciation.
N.A.	<i>Oplopanax horridus</i> (Sm.) Miq.	Sesquiterpene. ^{103,290}	Hypoglycemic effects, reduce serious implications caused by diabetes such as kidney and heart disease. Treat arthritis, rheumatism, stomach and digestive problems.
China	<i>Orchis latifolia</i> L.	No information is available in the literature.	Sialagogue, treat anemia.
N.A.	<i>Orchis mascula</i> L.	Mucilage. ⁹⁹	Treat diarrhea, irritated gastrointestinal tracts in children.

China	<i>Oxalis corriculaza</i> L. <i>O. corymbosa</i> DC	Oxalate, vitamin C, calcium, citric acid, malic acid, tartaric acid. ⁵⁰	Antidote to arsenic and mercury, for bruises, clots, diarrhea, fever, influenza, snakebite, urinary infections.
N.A.	<i>Oxalis acetosela</i> L.	No information is available in the literature. It is toxic in large quantities.	An astringent, diuretic, treat fevers and urinary problems. ³⁴⁸
China	<i>Papaver amurense</i> (N. Busch) N. Busch ex Tolmatchev. <i>P. nudicaule</i> L.	Amurine, amuroline, amuroine, coptisine, nudaurine, muramine, nudicaulin. ⁴⁸	For cough, headache, intestinal infection, blood in the urine, stomach ulcer.
	<i>Papaver rhoeaes</i> L.	Rhoeadine, rhoeagenine. ⁷²	For jaundice, as a gargle, or ingested as bechic.
	<i>Papaver somniferum</i> L.	Berberine, codeine, papaverine, isocorypalmine, laudanine, magnoflorine, meconine, 6-methylcodine, morphine, narcotine, pseudomorphine, rhoeadine, sanguinarine, beta-sitosterol, stigmasterol, thebaine, zanthaline. ⁵⁰	Antitussive, antispasmodic, analgesic, astringent, narcotic, treat chronic enteritis, diarrhea, enterorrhagia, headache, toothache, asthma.
N.A.	<i>Papaver bracteatum</i> Lindl.	Thebaine, oripavine, morphine, codeine. ^{99,100}	Mild sedative to induce sleep in babies, ease cough, relieve pain, narcotic analgesic, antitussive.
China	<i>Parietaria micrantha</i> Ledeb.	Protocatechuic acid. ⁵⁰	For fractures, hemorrhage, lumbago, myalgia, numbness, renitis, rheumatism.
N.A.	<i>Parietaria judaica</i> L.	Flavonoids, tannins. ⁹⁹	A diuretic, demulcent, laxative. Restorative action on the kidneys, for nephritis, pyelitis, kidney stones, renal colic, cystitis, and edema.

Table 3 Chinese and North American Medicinal Herbs Belonging to the Same Genus and Different Species: Major Constituents and Therapeutic Values (continued)			
Source	Scientific Name	Major Constituents	Therapeutic Values*
China	<i>Pedicularis resupinata</i> L.	Alpha-amyrin, beta-amyrin, betulinic acid, cholesterol, kaempferol. ^{50,218}	Used in fever, leucorrhoea, rheumatism, sterility, urinary difficulties, anti-inflammation, dryness of the mouth, tongue, and tinnitus.
N.A.	<i>Pedicularis palustris</i> L. <i>P. canadensis</i> L.	Alkaloids, phenyl-propanoid glycosides, iridoid glucosides. ³⁰³	Treat swelling internally, coughs, uterine spasms, with antioxidant property.
China	<i>Peucedanum decursivum</i> Max.	Glycoside nodakenin. ⁴⁹	Analgesic, antipyretic, antitussive, treat headache, bronchitis, asthma, pertussis.
	<i>P. formosanum</i> Hayata	Anomalin, coumarine, peuformosin. ⁵⁶	Cooling function, relieve pain, cough, treat cold, headache.
	<i>P. japonicum</i> Thunb. <i>P. praeruptorum</i> L.	Nodakenetin, nodakenin, decursidin, umbelliferone, pencordin, qianhucocumarin. ³³	Antitussive, expectorant.
N.A.	<i>Peucedanum graveolens</i> L.	Volatile oil (carvone), flavonoids, coumarins, xanthenes, triterpenes. ⁹⁹	Relieve intestinal spasms and cramps, increase milk production by nursing mothers.
China	<i>Phragmites communis</i> Trin.	Glycosides, protein, asparagin. ⁴⁹	As stomachic, antiemetic, antipyretic. Treat arthritis, jaundice, pulmonary abscess.

N.A.	<i>Phragmites australis</i> (Cav.) Trin.	Glycosides, protein, asparagin, ferulic acid, colchol, triclin, asparamide, coniferaldehyde, syringaldehyde, 4-hydroxyinnamic acid, vanillic acid, 4-hydroxybenzaldehyde, 2,5-dimethoxypara-quinone, polysaccharide, serotonin, triclin. ³⁰²	For toothache, earache, remedy for hiccoughs, seafood poisoning, parched throat with fever, acute bronchitis with mucus, acute gastritis with vomiting, urinary tract infections, blood or stones in urine, eruptive fevers like measles and chickenpox.
China	<i>Physalis alkekengi</i> L. var. <i>francheti</i> (Mast.) Makino	Physanols, physalien, zeaxanthin, glycolic acid, cryptoxanthin, luteolin, physoxanthin, mutaxanthin, tigloidine, auroxanthin, physalin A, B, and C, physalines, hystonin. ^{33,48}	Antibacterial, stimulate myocardial contraction, cause vasoconstriction, uterine contraction.
	<i>Physalis angulata</i> L.	Hystonin. ⁶⁰ Overdose may cause dizziness.	Antifebrile, laxative, diuretic, causing uterine contractions.
N.A.	<i>Physalis franchetti</i> L. <i>P. pubescens</i> L.	Flavonoids, plant sterols, vitamins A and C, alkaloids. ^{100,310}	A diuretic for urinary and arthritic problems including kidney and bladder stones, fluid retention, and gout.
China	<i>Picrasma quassioides</i> (D. Don) Benn.	2,4-Dichloro-6-aminopyridine, 4,5-dimethoxycanthin-6-one, 2,6-dimethoxy-p-benzo-quinone, methyl nigakinone, picrasmin, nigakihemiacetal A, nigakilactone A, nigakinone, quassin. ⁵⁰	Treat fever, stomachache.
N.A.	<i>Picrasma excelsa</i> (Sw.) Planch.	Quassinoid (quassin), alkaloids, coumarin (scopoletin), vitamin B ₁ . ⁹⁹	Strengthen digestive systems, increase bile flow, secretion of salivary juices, and stomach acid production.
China	<i>Pimpinella thellungiana</i> Wolff.	Ilungianin A, Ilungianin B. ^{50,220}	A stimulant, anodyne, hypotensive, treat choleraic affections and flatulence.

Table 3 Chinese and North American Medicinal Herbs Belonging to the Same Genus and Different Species: Major Constituents and Therapeutic Values (continued)			
Source	Scientific Name	Major Constituents	Therapeutic Values*
N.A.	<i>Pimpinella anisum</i> L.	Anethole, creosol, coumarin, acetylinic, flavonoids, fatty oil, protein. ⁹⁹	Antispasmodic, carminative, diuretic, relieve gas pain.
China	<i>Pinus bungeana</i> Zucc. ex Endl. <i>P. densiflora</i> Sieb. et Zucc. <i>P. koraiensis</i> Sieb. et Zucc. <i>P. sylvestris</i> L. var. <i>mongolica</i> Litv. <i>P. tabulaeformis</i> Carr.	Essential oil, limonene, pinitol. ³³	Antitussive, antiasthmatic, antibacterial.
N.A.	<i>Pinus albicaulis</i> Engelm. <i>P. contorta</i> Dougl. ex. Loud. <i>P. mugo</i> Turra var. <i>pumilio</i> <i>P. palustris</i> Mill. <i>P. strobus</i> L.	Bishomophinolenic acid, resins, mallol, borneol acetate, tannins, vitamin A, vitamin C, galactose, alpha-pinenes, beta-pinenes, anthocyanin. ^{8,102}	Relieve fever, bronchial and nasal congestion, improve blood flow. Anthocyanin from bark has antioxidant activity, inhibits the enzymes that cause inflammation.
China	<i>Plantago asiatica</i> L. <i>P. depressa</i> Willd. <i>P. exaltata</i> Horn. <i>P. loureiri</i> Roem. et Schult. <i>P. major</i> L.	d-Xylose, l-arabinose, d-galacturonic acid, l-rhamnose, plantasan, plantenolic acid, plantagin, homoplantagin, aucubin, ursolic acid, hentriacontane. ⁴⁸	Diuretic, expectorant, intestinal infection, diarrhea caused by bacteria.
N.A.	<i>Plantago psyllium</i> L.	Mucilage, linoleic acid, oleic acid, palmitic acid. ^{100,154}	Demulcent, laxative, antidiarrhea.
China	<i>Platycladus orientalis</i> (L.) Franco.	Thujene, thujone, pinene, myricetin, caryophyllene, aromadendrin, quercetin, hinokiflavone, fenchone, amentoflavone. ⁴⁸	Antipyretic, astringent, diuretic, for dysmenorrhea, epistaxis, gonorrhea, metrorrhagia.

N.A.	<i>Platycladus occidentalis</i> L.	Catechin, gallo catechin, afzelechin, epicatechin, epigallocatechin, epiafzalechin, procyanidins, flavones, myricetin, 3-0-glucoside, neothujic acid, podophyllotoxin type lignins. ³⁰³	An expectorant for bronchial catarrh accompanied by heart weakness. Treat skin problems, vaccination, and menstruation.
China	<i>Polygala japonica</i> Houtt. <i>P. sibirica</i> L. <i>P. tatarinowii</i> Regel	Saponins, tenuidine, tenuifolin (prosenegenin). ^{28,33}	Stimulate bronchial secretions, antibacterial.
	<i>Polygala tenuifolia</i> Willd.	Onjisaponin A, onjisaponin B. ²⁴	Sedative, strengthen nervous system.
N.A.	<i>Polygala senega</i> L.	Triterpenoid saponins, phenolic acids, polygalitol, methyl salicylate, sterols. ^{99,103,291,292}	Treat rattlesnake bite, cough, bronchitis, asthma.
	<i>Polygala vulgaris</i> Thunb.	Triterpenoid saponins, volatile oil, gaultherin, mucilage. ⁹⁹	Treat respiratory disorders such as chronic bronchitis, bronchial asthma, convulsive coughs. A diuretic.
China	<i>Polygonatum chinense</i> Kunth. <i>P. cirrhifolium</i> Royle. <i>P. macropodium</i> Turcz. <i>P. odoratum</i> (Mill.) Druce var. pluriflorum (Miq.) Ohwi f. <i>P. officinale</i> All. <i>P. ovarifolium</i> Y. C. Chu <i>P. sibiricum</i> Delar. ex Redoute <i>P. stenophyllum</i> Maxim. <i>P. vulgare</i> Desf.	Convallarin, convallamarin, mucilage. ⁴⁹	Stimulate the appetite, increase peristalsis, slow the heart and raise the arterial tension, slow and deepen respiration, purgative.
N.A.	<i>Polygonatum multiflorum</i> (L.) All. <i>P. biflorum</i> (Walt.) Elliott	Saponins, flavonoids, vitamin A. ⁹⁹	A poultice to stimulate tissue repair. Treat tuberculosis, accelerate healing.

Table 3 Chinese and North American Medicinal Herbs Belonging to the Same Genus and Different Species: Major Constituents and Therapeutic Values (continued)			
Source	Scientific Name	Major Constituents	Therapeutic Values*
China	<i>Populus alba</i> L. <i>P. davidiana</i> Dode. <i>P. tomentosa</i> Carr.	Salicin, populin, benzoyl salicin, tannin, erisin, salicinase, salicortin, tremulacin, salireposide. ⁵⁰	Depurative, for colic, eczema, herpes, labialis, fever, dysuria, antiseptic, antiperiodic.
N.A.	<i>Populus balsamifera</i> L. <i>P. candicans</i> L.	Flavonoids, phenolic glycoside. ¹⁰²	Antiseptic, sore throats, dry irritable coughs.
	<i>Populus tremuloides</i> Michx.	Salicin, populin, tannins. ⁹⁹	Reduce fever, relieve pain, anti-inflammatory.
China	<i>Potentilla bifurca</i> L. <i>P. chinensis</i> Seringe <i>P. discolor</i> Bunge. <i>P. fragarioides</i> L. <i>P. freyaiana</i> Bornmuller	D-Catechin. ⁵⁰ This herb is toxic. ⁶⁰	Antibacterial, antiplasmodium, smooth muscle relaxation, gynecological bleeding.
N.A.	<i>Potentilla anserina</i> L.	Ellagitannins, flavonoids, choline. ⁹⁹	Gargle for sore throats, remedy for diarrhea.
	<i>Potentilla erecoa</i> (L.) Rauschel. <i>P. tormentilla</i> (L.) Rauschel.	Tannins, catechins, ellagitannins, phlobaphene. ⁹⁹	Gargle for throat infections, mouthwash for canker sores and infected gums.
China	<i>Primula sieboldii</i> E. Morren var. <i>patens</i> (Turcz.) Kitag. <i>P. vulgaris</i> L.	Primulagenin A, aegicerin, protoprimulagenin A. ⁴⁸	Relieve cough, throat infection.
N.A.	<i>Primula veris</i> L.	Triterpenoid saponins, flavonoids, phenols, tannins, volatile oil. ⁹⁹	For bronchitis, respiratory tract infections, insomnia, anxiety, rheumatic disorder.

China	<i>Pulsatilla ambigua</i> Turcz. ex Pritz. <i>P. chinensis</i> (Bunge.) Regel	Protoanemonin, anemonin, okinalin, okinalein, ranuneulin, saponins. ³³	Antiamebial, antibacterial, treat amebic dysentery.
N.A.	<i>Pulsatilla vulgaris</i> Mill.	Lactone protoanemonin, triterpenoid saponins, tannins, volatile oil. ⁹⁹	For cramps, menstrual problems, distress. Treat spasmodic pain of the reproductive system.
China	<i>Quercus acutissima</i> Carr. <i>Q. dentata</i> Thunb. <i>Q. liaotungensis</i> Koidz. <i>Q. mongolica</i> Fisch. ex Turcz. <i>Q. variabilis</i> Blume	Lignin, cellulose, protein, pentosan, galactan. ⁵⁶	Promote absorption of tuberculous nodules, remedy for diarrhea, hypertrophy of the gastrointestinal tract, root makes a cleansing dressing for foul sores.
N.A.	<i>Quercus robur</i> L.	Tannins, cutins, suberins. ⁹⁹	Treat sore throat, tonsillitis, an astringent.
China	<i>Ranunculus chinensis</i> Bung.	Protoanemonin, anemonin, ranunculin. ⁴⁸	Relieve swelling, asthma, liver disorders, toothache, night blindness.
	<i>Ranunculus japonicus</i> Thunb. <i>R. sarmentosa</i> Adams	Anemonin, protoanemonin. ⁵⁰	Antitumor, sedative, bactericidal against bacillae of diphtheria, staphylococcus.
	<i>Ranunculus sceleratus</i> L.	Ranunculin, anemonin, 5-hydroxytryptamine, serotonin, protoanemonin, pyrogallol tannin. ^{48,50} This herb is toxic.	Relieve swelling, pain, antitoxin, treat lymphatic gland disorders, antirheumatic.
	<i>Ranunculus ternatus</i> Thunb.	Tannins, phenolic acids, volatile phenols, non-volatile terpenic compounds, volatile carbonyl. ^{60,223}	Treat abscesses.
N.A.	<i>Ranunculus ficaria</i> L.	Anemonin, tannins, saponins, volatile oil. ⁹⁹	Diuretic, anti-inflammatory, a tonic for digestive system, kidney, and urinary stones.

Table 3 Chinese and North American Medicinal Herbs Belonging to the Same Genus and Different Species: Major Constituents and Therapeutic Values (continued)			
Source	Scientific Name	Major Constituents	Therapeutic Values*
N.A.	<i>Ranunculus occidentalis</i> Nutt.	Anemonin. ¹⁰²	A stimulant, externally to relieve chronic sciatica.
China	<i>Rauvolfia verticillata</i> (Lour.) Baill.	Reserpine, beta-sitosterol, aricine, vellosimine, peraksine, serpentine, robinin. ^{33,39}	Treat hypertension, psychosis, schizophrenia.
N.A.	<i>Rauvolfia serpentina</i> (L.) Benth.	Indole alkaloids, reserpine, rescinnamine, ajmaline, yohimbine. ⁹⁹	Regulate hearbeat, treat high blood pressure and anxiety. Sedative and depressant effect on sympathetic nervous system.
China	<i>Rhamnus davurica</i> Pall. <i>R. parvifolia</i> Bunge.	Emodin, chrysophanol, kaempferol, rhamnodiastase, aloe-emodin. ^{48,308} This herb is slightly toxic.	Insecticidal, treat respiratory infection, cough, improve bowel movement.
N.A.	<i>Rhamnus catharticus</i> L. <i>R. frangula</i> L. <i>R. purshianus</i> L.	Anthraquinone glycosides, phenolic flavonols, pectin, vitamin C, glucofrangulin A, B, frangulin A, B, emodin, chrysophanol, physcion. ^{100,103,107}	Laxative, diuretic, constipating, astringent, antibacterial, purgative, digestive complaints.
China	<i>Rheum koreanum</i> Nakai <i>R. officinale</i> Baill. <i>R. palmatum</i> L. <i>R. undulatum</i> L.	Anthraquinones, chrysophanol, emodin, physcion, aloe-emodin, rhein, chrysophenol, rheum tannic acid, gallic acid, calechin, bianthraquinonyl, sennosides (<i>R. undulatum</i> also contains rhaponticin). ^{1,33} This herb may be toxic.	Potent laxative, antibacterial, anthelmintic, anticancer, stimulate the large intestine and increase the movement of luminal contents toward the anus, resulting in defecation. Antispasmodic, choleric, hemostatic, diuretic, lower blood pressure, lower cholesterol level.

N.A.	<i>Rheum tanguticum</i> L.	Cinnamic acid, gallic acid, emodin, rhein, rhein anthrones, catechin, anthraquinone compounds, tannin. ^{99,100,107}	Treat diarrhea, stimulate appetite, chronic constipation, laxative, cathartic.
China	<i>Rhodiola elongata</i> (Ledeb.) Fisch. & Meyer	p-Tyrosol, rhodioloside, flavonoids. ⁴⁸	A tonic, improve heart muscle, aphrodisiac.
N.A.	<i>Rhodiola rosea</i> (L.) Scop.	Rhodioloside, flavanol glycosides. ^{103,293}	Improve learning and memory and reduce stress, anticancer, stimulate the central nervous system.
China	<i>Rhododendron sinensis</i> Sw.	Andromedotoxin, veratrine alkaloids. ⁴⁹ This herb is toxic.	Sedative, analgesic, anesthetic in rheumatism.
	<i>Rhododendron anthopogon</i> G. Don	Essential oils, saponins, quercetin, gossypetin. ³³	Antitussive, antiasthmatic.
	<i>Rhododendron dauricum</i> DC	Germacrone, flavonoid, farrerol, feriol, quercetin, myricetin, anromedotoxin, rhodotoxin. ³³	Antitussive, antiasthmatic.
	<i>Rhododendron molle</i> (Blume) G. Don	Rhomotoxin. ³⁷ This herb is mildly toxic.	Treat tachycardia, palpitations, hypertension.
	<i>Rhododendron mucronatum</i> G. Don	Essential oil, germacrone, farreol, grayanotoxin, gossypetin, azaleatin, 5-methyl kaempferol, 5-methyl myricetin, syringic acid, dihydroquercetin, coumarins, phenolic acid, p-hydroxybenzoic acid, protocatechuic acid, vanillic acid. ⁴⁸	Treat cough, asthma, headache, respiratory infection.
N.A.	<i>Rhododendron maximum</i> L.	No information is available in the literature. Large quantity may be toxic.	Used as a tonic for the kidneys and itchiness.

Table 3 Chinese and North American Medicinal Herbs Belonging to the Same Genus and Different Species: Major Constituents and Therapeutic Values (continued)			
Source	Scientific Name	Major Constituents	Therapeutic Values*
China	<i>Rhus chinensis</i> Mill.	Gallotannic acid, gallic acid, resin, wax, polysaccharides. ³³	Treat chronic intestinal infections, hematochezia, proctoptosis, skin infections, bleeding wounds.
	<i>Rhus semialata</i> Murr.	Tannin. ⁴⁹	As an astringent, styptic, treat diarrhea, hemorrhage.
	<i>Rhus verniciflua</i> Stokes	Resinous oil urushiol. ⁴⁹ This herb may be toxic.	As hemolytic, emmenagogue, vermifuge.
N.A.	<i>Rhus radicans</i> L. <i>R. glabra</i> L. <i>R. toxicodendron</i> L.	Toxicodendrol, urushiol, 3-n-pentadecylcatechol. ¹⁰²	Sympathetic stimulant, restore nerve function, facial neuritis, ulcerated sores on the lips, mouth, and nasal membrane.
China	<i>Ribes mandshurica</i> (Maxim.) Kom.	Citric acid, malic acid, organic acids. ⁴⁸	Treat cold.
N.A.	<i>Ribes nigrum</i> L.	Anthocyanosides, antiprotease, tannins, vitamins B ₁ , B ₂ , C, P, citric acid, pectin. ¹⁰²	Diuretic and diaphoretic properties, urinary infection, rheumatism and diarrhea.
	<i>R. lacustre</i> (Pers.) Poir.	Anthocyanosides. ¹⁰²	Infusion of leaves to lessen the pain associated with female menstrual cycle.
China	<i>Rorippa indica</i> (L.) Hiern. <i>R. islandica</i> (Oeder) Borbas	Alpha-phenylethylisothiocyante, gluconasturtin, rorifone, rorifamide. ³³	Antitussive, expectorant, diuretic, detoxicant.
N.A.	<i>Rorippa nasturtium-aquaticum</i> (L.) Hayek.	Raphanolide, raphanol, diastase, ferment, gluconasturin, bitters, essential oils, phenyl ethyl, vitamins, niacin. ³⁰³	A blood builder, antidyskratic diuretic activities, lymphatic and digestive cleansing, treat prostate irritation, vaginal pruritis, chronic skin irritations.

China	<i>Rosa acicularis</i> Lindl.	Vitamins, gallo catechin, epigallocatechin, epicatechin gallate, catechin, epicatechin, fatty acids. ⁴⁸	Stop vomiting blood, stomachache, relieve pain caused by nerve system, menstruation.
	<i>Rosa chinensis</i> Jacq.	Essential oils. ⁴⁹	For arthritis, boils, cough, hematuria, rheumatoid joint pains, circulatory stimulant.
	<i>Rosa multiflora</i> Thunb.	Ascorbic acid, multiflorin, quercetol, kaempferol-3-glucoside, catechin. ⁵⁰	Anodyne, diuretic, laxative.
	<i>Rosa rugosa</i> Thunb.	Essential oils, l-citronellol, citral, geraniol, nerol, eugenol, cyanin, n-phenylethyl alcohol, citrol, nonyl aldehyde, l-linalool, l-p-menthene, nonacosane, menthene, benzaldehyde, phenylacetic acid, rosenoxide, paeonidin. ^{48,50}	Promote blood circulation, treat abscesses, blood diseases, dyspepsia, hematemesis, hepatitis, stomachache.
N.A.	<i>Rosa canina</i> L. <i>R. damascena</i> Mill. <i>R. gallica</i> L.	Malic acid, citric acids, pectin, geraniol, citronellol, vitamins C, B complex. ^{102,107,160}	Astringent, mild diuretic and laxative effect. Excellent source of vitamin C when it's fresh.
China	<i>Rubia akane</i> Nakai	Alizarin, rubrierythrinic acid, purpurin. ⁸⁵	Treat rheumatism.
	<i>Rubia chinensis</i> Regel & Maack <i>R. cordifolia</i> Thunb. <i>R. cordifolia</i> L. f. pratensis (Maxim.) Kitag. <i>R. mungista</i> Roxb. <i>R. sylvatica</i> (Maxim.) Nakai	Rubierythrinic acid, alizarin, purpurin, pseudopurpurin, munjistin. ^{33,49}	Hemostatic, shorten the blood clotting time, antibacterial, antitussive, stimulate uterine contractions.
N.A.	<i>Rubia tinctorum</i> L.	Anthraquinone derivatives, ruberythric acid, alizarin, purpurin, indoid, asperuloside, resin, calcium. ⁹⁹	Treat kidney and bladder stones.

Table 3 Chinese and North American Medicinal Herbs Belonging to the Same Genus and Different Species: Major Constituents and Therapeutic Values (continued)			
Source	Scientific Name	Major Constituents	Therapeutic Values*
China	<i>Rubus coreanus</i> Miq.	Beta-sitosterol, stigmaterol, campesterol, cholestanol, ursolic acid, flavonoids. ⁴⁸	Diuretic, aphrodisiac, liver infection, joint infection caused by arthritis.
	<i>Rubus parvifolius</i> L.	Flavonoids. ⁴⁸	Treat fever, throat pain, blood vomiting, liver and intestine infection.
N.A.	<i>Rubus chamaemorus</i> L.	Tocopherol, benzoic acid, salicylic acid, ascorbic acid, vitamin C. ^{102,275}	Laxative, tonic, treat cough and fever.
	<i>Rubus fruticosus</i> L.	Tannins, organic acids, vitamin C. ¹⁵⁴	Mild astringent, antiseptic, antifungal, diuretic and tonic properties.
	<i>Rubus idaeus</i> L.	Tannins, vitamin C, anthocyanins, pectin, flavonoids, gallic acid. ⁹⁹	Treat diarrhea, antispasmodic.
China	<i>Rumex acetosa</i> L. <i>R. stenophyllus</i> Ledeb. var. <i>ussuriensis</i> (A. Los.) Kitag.	Vitexin, quercetin-3-galactoside, violaxanthin, vitamin C, emodin, chrysophanein, chrysophanol, nepodin, hyperin, physcion. ^{48,50}	Homeopathically for cramps, hemorrhage, sore throat, esophagitis, diuretic, treat blood vomiting.
	<i>Rumex crispus</i> L.	Chrysophanein, nepodin. ⁴⁸	Treat ovarian bleeding, eczema, tuberculosis, sexually transmitted diseases.
N.A.	<i>Rumex obtusifolia</i> L.	Oxalates, anthraquinones, phanol, physcion, tannic acid. ^{100,102,118}	Antiseptic, laxative, rheumatic pains.
China	<i>Salix babylonica</i> L. <i>S. matsudana</i> Koidz. <i>S. microstachya</i> Turcz. ex Trautv.	Saligenin glucoside, iodine, pyrocaledol, saponins. ³³	Antigoiter, antibacterial, treat tubercule bacilli.

N.A.	<i>Salix alba</i> L. <i>S. discolor</i> Muhlenb.	Salicin, tannins, phenolic, flavonoid, glycosides, salicortin, triandrin. ^{99,102}	Antipyretic, diaphoretic, antirheumatic, analgesic.
China	<i>Salvia chinensis</i> L. <i>S. pogonocalyx</i> Hance <i>S. przewalskii</i>	Scutellarin. ⁶⁰	Treat abdominal pain, arthritis, inflammations, metrorrhagia, uteritis, women's diseases.
	<i>Salvia coccinea</i> L.	Saluiainin. ⁵⁶	Stop bleeding, cooling effect, stimulate sweating, relieve swelling.
	<i>Salvia miltiorhiza</i> Bunge.	Tanshinone, cryptotanshinone, isocryptotanshinone, miltirone, tanshinol, salviol. ³³	Treat angina pectoris, cerebral atherosclerosis, diffusive intravascular clotting, thrombophlebitis.
	<i>Salvia plebeia</i> R. Brown	Flavonoids, homoplantagin, hispidulin, eupafolin, essential oils. ⁴⁸	Diuretic, vermifuge, astringent.
N.A.	<i>Salvia clevelandii</i> (A. Gray) Greense <i>S. divinorum</i> Epl. & Jutiva	No information is available in the literature.	Emetic, hallucinogenic, psychotropic. ¹⁰⁰
	<i>S. officinalis</i> L.	Thujone, borneol, cineole, camphor, salvin, tannin, fumaric acid, malic acid, oxalic acid. ^{100,107,161}	Carminative, lower fever, antiseptic, antifungal, astringent, diuretic, antidiarrheal, antispasmodic.
China	<i>Sambucus coreana</i> Kom. & Klob. Alisova <i>S. latipinna</i> Nakai <i>S. manshurica</i> Kitag. <i>S. peninsularis</i> Kitag. <i>S. sieboldiana</i> (Miq.) Blume ex Graebner var. <i>miquelii</i> (Nakai) Hara <i>S. williamsii</i> Hance	Chlorogen acid. ⁶⁰	Diaphoretic, diuretic, carminative, treat arthralgia, fever.
	<i>Sambucus formosana</i> Nakai	Alpha-amyrin palmitate. ⁵⁶	Detoxicant, stop swelling, diuretic, relieve pain.

Table 3 Chinese and North American Medicinal Herbs Belonging to the Same Genus and Different Species: Major Constituents and Therapeutic Values (continued)			
Source	Scientific Name	Major Constituents	Therapeutic Values*
N.A.	<i>Sambucus nigra</i> L. <i>S. canadensis</i> L.	Flavonoids, phenolic, triterpenes, sterols, cyanogenic glycosides, vitamins A, C. ⁹⁹	Increase sweating, diuretic, anti-inflammatory.
	<i>Sambucus racemosa</i> L.	Rutin, tannins, cyanogenic, glucans, baldrianic acid. ¹⁰²	Antiulcer, antimutagens, anticoagulant.
China	<i>Sargassum pallidum</i> (Harv.) Setch.	Odine, alginic acid, algin, iron, potassium. ³³	Antigoiter, anticoagulant.
N.A.	<i>Sargassum officinalis</i> L. <i>S. fusiforme</i> L.	No information is available in the literature.	For goiter, tuberculosis of lymph nodes, cysts, bronchitis, edema, hydrocele. ³⁴⁵
China	<i>Saussurea japonica</i> (Thunb.) DC	Saussurine, phene, phellandrene. ⁴⁹	As a stomachic.
N.A.	<i>Saussurea lappa</i> Clarke	Terpenes, sesquiterpenes, aplotaxene, saussurine, resin. ⁹⁹	Depress the parasympathetic nervous system. It has tonic, stimulant, and antiseptic properties.
China	<i>Scutellaria baicalensis</i> Georgi	Baicalein, baicalin, wogonin, beta-sitosterol, wognoside, 7-methoxy-baicalein, 7-methoxynorwogonin, skullcap flavones. ³³	Antibacterial, antiviral, antipyretic, anti-inflammatory, antitumor.
	<i>Scutellaria formosana</i> Brown	Berberine, baicalin. ^{54,233,234}	Relieve swelling, pain, treat cold, wounds, liver infection.
N.A.	<i>Scutellaria lateriflora</i> L.	Scutellarin, baicalin, baicalein, wogonin, benzoic acid, catalpol, tannins, beta-sitosterol, camphesterol, stigmasterol. ^{99,102,163}	Sedative and antispasmodic, prevent epileptic seizures, tonic, antispasmodic, antiallergic.

China	<i>Sedum aizoon</i> L.	Sedoflorin, sedocaulin, sedocitrin, sedoheptulose, arbutin. ^{33,48}	Hemostatic, remove blood stasis.
	<i>Sedum formosanum</i> N. E. Brown	Triterpenes, amyrenone, amyrenol. ⁵⁴	Treat diabetes, relieve swelling, pain, digestion, diarrhea.
	<i>Sedum lineare</i> Thunb.	Sedoheptose, glucose, fructose. This herb is slightly toxic. ⁵⁰	Applied locally to burns and scalds, treat throat infection, diabetes.
	<i>Sedum sarmentosum</i> Bunge.	Sarmentoslin, dihydro-N-methyl-isopelletierine, N-methyl-2-(β-OH-propyl) piperidine, N-methyl-isopelletierine, dl-methylisopelletierine, dihydroisopelletierine. ^{33,48,50}	Antipyretic, detoxicant, diuretic, treat hepatitis.
	<i>Sedum erythrostichum</i> Miq. <i>S. kamschaticum</i> Fisch <i>S. verticillatum</i> L.	Sedoheptulose. ⁴⁸	Detoxicant, relieve swelling, stop bleeding and pain.
N.A.	<i>Sedum acre</i> L.	Sedacrine, n-methyl anabesine, sedinine, sedacryptine, flavanol glycosides. ^{102,294}	Insomnia, depressant, hemorrhoidal pain, treat excessive menstrual flow during menopause.
China	<i>Senecio argunensis</i> Turcz.	Lavoxanthin, macrophylline, cynarin, chlorogenic acid, chrysanthemaxanthin, sarracine. ^{33,48}	Antibacterial, antiplasmodial, treat acute bacterial dysentery and bronchitis.
	<i>S. campestris</i> (Retz.) DC	Alkaloids. ⁴⁸ This herb may be toxic.	Depress leukemia, detoxicant, diuretic, insectisidic.
	<i>S. cannabifolius</i> Lessing	p-Hydroxyacetophenone, arbutin. ⁴⁸	Treat heart disease, respiratory infection, sexually transmitted diseases.
	<i>S. vulgaris</i> L.	Senecionine, inulin. ⁵⁸	Used in ointment on hemorrhoids and swellings, lower blood pressure, laxative.

Table 3 Chinese and North American Medicinal Herbs Belonging to the Same Genus and Different Species: Major Constituents and Therapeutic Values (continued)			
Source	Scientific Name	Major Constituents	Therapeutic Values*
N.A.	<i>Senecio aureus</i> L.	Seneciphyline, jacoline, pyrrolizidine, senecionine, tannins, resin. ¹⁶⁴	A poultice, ointment, or lotion to relieve pain and inflammation.
China	<i>Silene jenseensis</i> Willd.	6,8-di-C-Galactopyranosylapigenin, 6-C-galactopyranosyl-isoscutellarein, essential oil. ⁸⁴	For fever, kala-azar, malaria.
N.A.	<i>Silene ocaulis</i> L. <i>S. virginica</i> L.	Spinasterol, ecdysterones, 22-dihydrospinasterol, 2-(6'-cinnamoyl) glucosido-methyl-4H-pyran-4-one. ³⁰²	Anabolic, tonic, adaptogenic effects.
China	<i>Smilacina japonica</i> A. Gray	No information is available in the literature.	For arthritis, relieve swelling and pain, aphrodisiac, regulate monthly period, breast gland infection.
N.A.	<i>Smilacina stellata</i> (L.) Desf.	No information is available in the literature.	
China	<i>Smilax china</i> L. <i>S. nipponica</i> Miq. subsp. manshurica Kitag. <i>S. riparia</i> DC subsp. ussuriensi (Regel) Kitag. <i>S. sieboldii</i> Miq.	Crystalline saponin smilacin, tannin, resin, tigogenin, neotigogenin, laxogenin. ^{48,49}	As alternative, diuretic in syphilis, gout, skin disorders, rheumatism.
N.A.	<i>Smilax aristolochifolia</i> Mill.	Steroidal saponins, phytosterols (beta-sitosterol), starch, resin, sarsapic acid, minerals. ⁹⁹	Anti-inflammatory, relieve eczema, psoriasis, and itchiness. Treat rheumatism, rheumatoid arthritis, and gout. It has progesterogenic action.

China	<i>Solanum aculeatissimum</i> Jacquin	Solasonine, beta-solamargine, solasurine. ⁵⁵	For cough, asthma, diuretic, pain.
	<i>Solanum biflorum</i> Loureiro	No information is available in the literature.	Detoxicant, for cough, swelling, dog bites.
	<i>Solanum capsicastrum</i> Link.	Solanocapsin. ⁵⁵	With cooling effect, relieve swelling, treat liver inflammation.
	<i>Solanum incanum</i> L.	Beta-sitosterol, D-glucose, ursolic acid, alkaloids, solasodine, solamargine. ⁵⁵	Treat liver inflammation, lymphatic gland, a detoxicant.
	<i>Solanum indicum</i> L.	Diosgenin, solanidine, solanine, solasodine, alkaloids, carbohydrases, maltase, saccharase, melibiase. ⁵⁰	Antidote for poison, for urinary disease.
	<i>Solanum lyratum</i> Thunb. <i>S. melongena</i> L.	Trigonelline, stachydrine, choline, solanine, nasunin, shisonin, delphinidin-3-monoglucoside, adenine, imidazolyloethylamine, solasodine, arginine glucoside. ⁴⁸	For arthritis, respiratory disorder, swelling, cough, diarrhea, blood in the urine.
	<i>Solanum nigrum</i> L.	Solanigrines, saponins. ³³	Antibacterial, diuretic, treat mastitis, cervicitis, chronic bronchitis, dysentery.
	<i>Solanum pseudo-capsicum</i> L.	Solanocapsine. ⁵⁵	A detoxicant, relieve pain. Treat tuberculosis, pneumonia.
	<i>Solanum verbascifolium</i> L.	Solasonine. ⁵⁴	Treat dysentery, intestinal pain, and fever.
N.A.	<i>Solanum dulcamara</i> L.	Steroidal alkaloids, solasodine, soldulcamaridine, steroidal saponins, tannins. ⁹⁹	Treat eczema, itchiness, psoriasis, and warts. It relieves asthma, chronic bronchitis, and rheumatic conditions.
	<i>Solanum tuberosum</i> L.	Vitamins A, B ₁ , B ₂ , C, and K, minerals, atropine alkaloids. ⁹⁹	Potato juice treats peptic ulcers, relieve pain and acidity.

Table 3 Chinese and North American Medicinal Herbs Belonging to the Same Genus and Different Species: Major Constituents and Therapeutic Values (continued)			
Source	Scientific Name	Major Constituents	Therapeutic Values*
N.A.	<i>Solanum xanthocarpum</i> L.	Steroidal alkaloids (solanocarpine). ⁹⁹	Treat gas and constipation, throat and gum disorder. It is anticongestive.
China	<i>Sorbus alnifolia</i> (Sieb. & Zucc.) K. Koch	Fatty acids, starch, essential oils, flavonoids, isochlorogenic acid, parasorbic acid. ⁴⁸	For stomach infection and ache, swellings, cough, vitamin deficiencies.
N.A.	<i>Sorbus aucuparia</i> L.	Tannins, vitamin C, pectin, organic acids. ¹⁰²	Astringent for hemorrhoids and diarrhea, source of vitamin C.
China	<i>Spiraea salicifolia</i> L. <i>S. salicifolia</i> L. var. <i>grosseserrata</i> Liou & Liou fil. <i>S. salicifolia</i> L. var. <i>oligodonta</i> Yu	Flavonoids, carotenoids, vitamin C, alkaloids, seed oil. ³³	Diuretic, treat cough, pain, monthly period, constipation.
N.A.	<i>Spiraea ulmaria</i> L.	Salicylates, flavonol glycosides, heliotropin, vanillin, tannins. ^{99,100,118}	Laxative, treat headache.
China	<i>Stachys chinensis</i> Bunge. ex Benth. <i>S. baicalensis</i> Fisch. ex Benth. <i>S. baicalensis</i> Fisch. ex Benth. var. <i>angustifolia</i> Honda <i>S. japonica</i> Miq.	Coumarin, alkaloids, stachydrine chloride. ⁴⁸	Treat cold, influenza.
N.A.	<i>Stachys officinalis</i> (L.) Trev.	Tannins, stachydrine, betonicine, betaine, choline. ^{99,100,107}	Stop bleeding from open wound, antispetic.
China	<i>Strophanthus divaricatus</i> (Lour.) Hook. & Arn.	Divaricoside, divostroside, sinoside, sinostroside, caudoside, caudostroside, sarmutoside. ³³ This herb is toxic.	Cardiac stimulating action causing an increase of myocardiac contractility, slow the heart beat.

N.A.	<i>Strophanthus gratus</i> (Wallich & Hook. ex Benth.) Ball. <i>S. kombe</i> L.	Cardiac glycosides ⁹⁹	Treat snake bite, delay blood clotting. A mild heart tonic, improve heart efficiency.
China	<i>Styrax tonkinensis</i> Pierre	Sumaresinolic acid, coniferyl cinnamate, styracin, vanillin, alpha-phenylpropyl cinnamyl cinnamate, balsamic acid. ^{33,50}	As an aromatic stimulant, for aphrodisiac, an astringent.
	<i>Styrax suberifolus</i> Hook. et Arnott.	No information is available in the literature.	Stomachache, pain caused by arthritis.
N.A.	<i>Styrax benzoin</i> Dryander	Cinnamic, benzoic, sumaresinolic acid esters, benzoic acid, benzaldehyde, vanillin. ⁹⁹	Antiseptic, astringent. Externally for wounds and ulcers, internally to settle cramps, stimulate coughing, disinfect the urinary tract.
China	<i>Swertia diluta</i> (Turcz.) Benth. et Hook. f.	Swertiamarin, swertisin, methyl-bellidifolin, homoorentin, methyl-swertianin, isovitexin, bellidifolin, decussatin, swertifrancheside. ³³	Choleretic, improve hepatic function. Treat acute icteric hepatitis, chronic liver disease.
	<i>Swertia pseudochinensis</i> Hara	Swertiamarin, swertisin, methyl-bellidifolin, homoorentin, methyl-swertianin, isovitexin, bellidifolin, decussatin, swertifrancheside. ³³	Choleretic, improve hepatic function. Treat acute icteric hepatitis, chronic liver disease.
N.A.	<i>Swertia chirata</i> L.	Xanthones, indoids, amarogentin, alkaloids, flavones. ⁹⁹	A tonic, antimalarial, stimulate appetite, ease stomach pain, reduce fever.

Table 3 Chinese and North American Medicinal Herbs Belonging to the Same Genus and Different Species: Major Constituents and Therapeutic Values (continued)			
Source	Scientific Name	Major Constituents	Therapeutic Values*
China	<i>Syzygium cuminii</i> (L.) Skeels	Betulinic acid, eugianin, friedelin, epifriedelanol, beta-sitosterol, acetyl oleanolic acid, ellagic acid, myricetin, cyanidin rhamno-glucoside, petunidin glucoside, maluidin glucoside, jambolin. ⁵⁷	Cooling effect, relieve itchiness, stop bleeding, infection, diarrhea.
N.A.	<i>Syzygium aromaticum</i> (L.) Merr.	Sesquiterpenes, eugenol, tannins, gum. ³¹⁴	For gastroenteritis and intestinal parasites.
China	<i>Tagetes erecta</i> L. <i>T. patula</i> L.	Alpha-terthienyl, d-limonene, l-linalool, tagetone, n-nonyl aldehyde. ⁵⁰	Treat sores and ulcers, cold, conjunctivitis, cough, mastitis, mumps.
N.A.	<i>Tagetes minuta</i> L. <i>T. lucida</i> Cav.	Coumarin derivatives, resin, gallic acid, tannins, glucose, pectin, gum. ¹⁰⁷	For diarrhea, indigestion, nausea, externally for smooth muscles, scorpion bites, and to remove ticks.
China	<i>Taxus cuspidata</i> Sieb. et Zucc. <i>T. chinensis</i> (Pily) Rehd. <i>T. cuspidata</i> Sieb. et Zucc. <i>T. yunnanensis</i> Cheng et L. K. Fu	Taxol, baccatin, cephalomannine, 10-deacetyl baccatin, yunnanxana, abeotaxanes, taxinine E. ³³	Antineoplastic, anticancer, treat ovarian carcinoma.
N.A.	<i>Taxus x media</i> Rehd. <i>T. brevifolia</i> Nutt.	Taxol, resin. ^{103,295,296}	Treat cancer, gout, and rheumatism, arthritis.
China	<i>Tephrosia purpurea</i> Persoon	Rotenone, degueline, tephrosin, rutin, quercetin glucoside. ⁵⁷	Used as a cordial and a stomachic, a emmenagogue.
N.A.	<i>Tephrosia virginiana</i> (L.) Pers.	Deguelin, dehydrorotenone, rotenone, tephrosin. ¹⁰⁰	For alopecia, cholecystosis, cough, syphilis, bladder trouble.

China	<p><i>Thalictrum aquilegifolium</i> L. var. <i>sibiricum</i> Regel & Tiling <i>T. baicalense</i> Turcz. <i>T. baicalense</i> Turcz. f. <i>levicarpum</i> Tamura <i>T. fauriei</i> Hayata <i>T. petaloideum</i> L. <i>T. petaloideum</i> L. var. <i>supradecompositum</i> (Nakai) Kitag. <i>T. simplex</i> L.</p>	<p>Flavonoids, fetidine, phetidine, thalfoetidine, thalpine, thalpinine, rhalidasine, hernandezine, thelic simidine, oxypurpureine, berbamine, isotetrandrine, oxyacanthine, isothalidenzine, glaucine, berberine, palmatine, jatrorrhizine, coptisine, protopine, cryptopine, alpha-allocryptopine, thalidezine.^{48,53}</p>	<p>Anticancer activity, treat fever, nausea, thirst, hemorrhages, and conjunctivitis.</p>
	<p><i>Thalictrum ichangense</i> Lecoyer ex Oliver <i>T. glandulissimum</i> DC</p>	<p>Berberine, palmatine, jatrorrhizine, talictrine, thalidasine, thalicarpine, saponaretin.³³</p>	<p>Antibacterial, treat influenza, childhood fevers, measles, malaria.</p>
N.A.	<p><i>Thalictrum dasycarpum</i> Fisch. & Ave-Lall. <i>T. occidentale</i> A. Gray</p>	<p>Thalidasine, thalicarpine, thalisopavine, corypalline, norargemonine, <i>trans</i>-5, <i>cis</i>-9-octadecadienoic acid, dasycarponin, bis-norargemonine, L-laudanidine, <i>trans</i>-5-hexadecenoic acid.^{302,333}</p>	<p>A tumour inhibitor, relieve dizziness and ear problems.</p>
China	<p><i>Thuja chinensis</i> Hort. <i>T. koraiensis</i> Nakai <i>T. orientalis</i> L.</p>	<p>Thujene, thujone, fenchone, myricetin, caryophyllene, aromadendrin, quercetin, pinene, hinokiflavone, amentoflavone.⁴⁸</p>	<p>Antipyretic, astringent, diuretic, for dysmenorrhea, epistaxis, gonorrhoea, metrorrhagia.</p>
N.A.	<p><i>Thuja occidentalis</i> L.</p>	<p>Thujone, flavonoids, wax, mucilage, tannins.⁹⁹</p>	<p>Antiviral, treat warts and polyps. It induces menstruation.</p>

Table 3 Chinese and North American Medicinal Herbs Belonging to the Same Genus and Different Species: Major Constituents and Therapeutic Values (continued)			
Source	Scientific Name	Major Constituents	Therapeutic Values*
China	<i>Thymus amurensis</i> Klokov <i>T. disjunctus</i> Klokov <i>T. kitagawianus</i> Tscherneva <i>T. komarovii</i> Sergievskaja <i>T. przewalskii</i> (Kom.) Nakai <i>T. quinquecostatus</i> Celakovsky	Scutellarein heteroside, luteolin-7-glucoside, apigenin, volatile oils, carvacrol, p-cymene, p-terpinene, alpha-terpineol, zingiberene, borneol, ursolic acid, thymol. ⁴⁸	Treat high blood pressure, stomachache, intestinal infection, cough, digestion, diarrhea.
N.A.	<i>Thymus capitatus</i> L. <i>T. citriodorus</i> (Pers.) Schreb. <i>T. praecox</i> Opiz. <i>T. pulegiodes</i> L. <i>T. serpyllum</i> L. <i>T. vulgaris</i> L.	Thymol, tannins, carvacrol, saponins, apigenin, luteolin. ^{99,100,107}	Antispasmodic, antitussive, relieve coughing.
China	<i>Tilia mandshurica</i> Rupr. & Maxim. <i>T. amurensis</i> Rupr. <i>T. mongolica</i> Maxim.	Flavonoids, essential oils. ⁴⁸	Promote sweating, bactericidal, treat cold, kidney infection, throat infection.
N.A.	<i>Tilia cordata</i> Mill. <i>T. europaea</i> L.	Mucilage, tannins, flavonoid, caffeic acid, taraxerol, tiliadine, vanillin, phytosterols, mucilage. ^{99,100}	Diaphoretic, antispasmodic, diuretic, mild sedative.
China	<i>Trifolium pratense</i> L.	Phytoestrogens, genistein, daidzein, formononetin. ^{33,48}	Stimulating effect on female reproductive organs.
N.A.	<i>Trifolium incarnatum</i> L.	Flavonoids, salicylic acid. ¹⁵⁴	Treat skin conditions, spasmodic coughs.
	<i>Trifolium pratense</i> L.	Tannins, phenolic glycosides, p-coumaric acid, silicic acid, caffeic acid, salicylic acid. ^{100,102}	Remedy for sore throat, colds, coughs, bronchitis, diarrhea, chronic skin conditions.

China	<i>Trillium camschatcense</i> Ker-Gawler	Trillin, trillarin, diosgenin, cyasterone, ecdysterone. ⁴⁸	Improve blood circulation, detoxicant, treat headache, high blood pressure, stop bleeding.
N.A.	<i>Trillium erectum</i> L.	Saponins (trillin), tannin, resin, fixed oil, volatile oil. ⁹⁹	For heavy menstrual or intermenstrual bleeding, treat bleeding associated with uterine fibroids.
China	<i>Ulmus campestris</i> L. <i>U. macrocarpa</i> Hance <i>U. pumila</i> L.	Butyric acid, capric acid, hexylenaldehyde, lipase, phlobaphene, phytosterol, sitosterol. ⁵⁰	For urinary calculi, diuretic, febrifuge.
N.A.	<i>Ulmus rubra</i> Muhl. <i>U. procera</i> L.	Tannins, mucilage, cholesterol, campesterol, beta-sitosterol, pentoses. ^{99,100}	Astringent, demulcent, anti-inflammatory.
China	<i>Uncaria hirsuta</i> Havil <i>U. rhynchophylla</i> Miq.	Rhynchophylline, corynoxene, iso-rhynchophylline, isocorynoxene, corynantheine, hirsutine, hirsuteine. ³³	A sedative, anticonvulsive, lower blood pressure, it has a triphasic effect. Treat childhood epilepsy.
N.A.	<i>Uncaria gambir</i> (Hunter) Roxb.	Rhynchophylline, corynoxene, hirsutine, isorhynchophylline, nicotinic acid, catechin. ^{297,298,299,313}	Lower blood pressure, protect the liver from infection. An astringent.
China	<i>Vaccinium bracteatum</i> Thunb. <i>V. vitis-idaea</i> L.	6-o-acetyl-arbutin, arbutin, avicularin, 2-o-caffeoylarbutin, d-catechol, l-epicatechol, d-gallocatechol, hyperin, hyperoside, sioquercitrin, salidroside, tannin, ursone. ⁵⁰	For gonorrhea.
N.A.	<i>Vaccinium macrocarpon</i> Ait.	Anthocyanosides, hippuric acid, vitamins C, A. ^{103,177,178,180,300}	Prevents urinary infection and stones, an antioxidant, effect on clogged heart arteries.

Table 3 Chinese and North American Medicinal Herbs Belonging to the Same Genus and Different Species: Major Constituents and Therapeutic Values (continued)			
Source	Scientific Name	Major Constituents	Therapeutic Values*
N.A.	<i>Vaccinium myrtilloides</i> Michx. <i>V. myrtilus</i> L. <i>V. oreophilum</i> Rydb.	Tannins, arbutin, iridoids, insulin, anthocyanosides, myrtocyan. ^{103,300,301}	Strengthening cardiovascular system, improve vision, treat diabetes, digestive disorder, urinary disorder, an antioxidant.
China	<i>Valeriana alternifolia</i> Bunge. <i>V. amurensis</i> P. Smiru. ex Kom. <i>V. fauriei</i> Briq. <i>V. fauriei</i> Briq. var. <i>dasycarpa</i> Hara <i>V. subbipinnatifolia</i> A. Baranow	Bornyl isovalerate, isovaleric acid, borneol, camphene, pinene, d-terpineol, l-limonene, pyrrol- α -methyl ketone, alpha-fenchene, myrcene, phellandrene, l-caryophyllene, erpinene, terpinolene, eremophilene, selinene, cadinene, valerianol, valerenone, myrtenol, bisabolene, chatinine, caffeic acid. ⁴⁸	Antispasmodic, aphrodisiac, emmenagogue, stimulant, sudorific, backache, cramps, influenza, nausea, numbness.
N.A.	<i>Valeriana officinalis</i> L.	Essential oil, valtrate, valepotriates, bornyl esters, alkaloids, isovaltrate. ^{99,100}	Sedative for nervous disorders, antispasmodic.
China	<i>Veratrum dahuricum</i> (Turcz.) Loes <i>V. formosanum</i> Loesener	Jervine, pseudojervine, rubijervine, tienmulilmine, tienmulilminine, zygadenine, germine. ³³ This herb may cause mucosal irritation.	Lower blood pressure, slow heart rate, antibacterial. It has insecticidal effect.
N.A.	<i>Veratrum viride</i> Ait.	Steroidal, alkaloids, chelidonic acid. ⁹⁹	Lower blood pressure, dilate the peripheral blood vessels.
China	<i>Veronica anagallis-aquatica</i> L.	Aucubin. ⁵⁰	For fever, a gargle for throat ailments, stomatitis.
	<i>Veronica linariaefolia</i> Pall. ex Link	Cordycepic acid, flavonoids. ⁴⁸	For windpipe infection, blood vomiting, relieve pain, detoxicant.

China	<i>Veronica sibirica</i> L. <i>V. undulata</i> Wallich	Mannitol, veronicastroside, inteolin-7- β -neohesperidoside, luteolin, 7- β -glucopyranoside, ancubin, arbutin. ⁴⁸	Relieve swelling, stop bleeding, treat cold, cough.
N.A.	<i>Veronica officinalis</i> L.	Tannins, essential oil, aucuboside, vitamin C, flavonoids, acetopenone glucoside. ⁹⁹	Diuretic, expectorant.
China	<i>Viburnum sargentii</i> Koehne f. <i>glabrum</i> Kom.	Scopoletin, aesculetin, caffeic acid, citric acid, malic acid, chlorogenic acid, isochlorogenic acid, essential oil, kaempferol-3-glucoside, beta-amyrin, beta-sitosterol, paeonin. ⁴⁸	For blood circulation, swelling, detoxicant, relieve itchiness, arthritis.
N.A.	<i>Viburnum opulus</i> L. <i>V. prunifolium</i> L.	Hydroquinones, coumarins, tannins, resin. ^{99,102}	Antispasmodic, sedative, an astringent.
China	<i>Viola acuminata</i> Ledeb.	Saturated acids, cerotic acid, unsaturated acids, alcohols, hydrocarbons. ^{43,48}	Mucilaginous, emollient, suppurative inflammations, abscesses, ulcers.
N.A.	<i>Viola tricolor</i> L.	Saponins, mucilage, violin, salicylic compounds, tannins. ^{100,114}	Diuretic, diaphoretic, tonic, anti-inflammatory, blood-purifying properties.
China	<i>Vitex chinensis</i> Miller <i>V. jéguaod</i> L.	Essential oils, beta-caryophyllene, caryophyllene oxide. ³³	Antitussive, antiasthmatic, antibacterial.
N.A.	<i>Vitex labrusca</i> L. <i>V. agnus-castus</i> L.	Flavonoids, iridoids, agnuside, aucubin, cineol, casticin, viticine. ^{99,182,309}	Treatment of mastopathy, premenstrual syndrome, and luteae insufficiency. Regulate hormones, progesterogenic, increases breast milk production.
China	<i>Wisteria sinensis</i> (Sims) Sweet	Toxic glycoside, toxic resin. ⁶⁰ This herb is toxic.	Diuretic.

Table 3 Chinese and North American Medicinal Herbs Belonging to the Same Genus and Different Species: Major Constituents and Therapeutic Values (continued)			
Source	Scientific Name	Major Constituents	Therapeutic Values*
N.A.	<i>Wisteria floribunda</i> (Willd.) DC <i>W. brachybotrys</i> Sieb. et Zucc.	Isoflavonoids, triterpenoid saponins, dehydrosoyasaponin, triterpenoids. ^{330,331,332}	Antitumor, treat gastric cancer.
China	<i>Zanthoxylum ailanthoides</i> Sieb. et Zucc.	Essential oils, methyl n-nonylketone, isopimpinellin, dictamine, skimmianine, magnoflorine, laurifoline. ^{64,94}	Treat chills, influenza, sunstroke, indigestion.
	<i>Zanthoxylum bungeanum</i> Maxim.	Essential oils, limonene, cumic alcohol, linalool, myrcene, benzene tert-butyl, sabinene, rerpinenol, piperitone, beta-gurjunene, alpha-piene, geraniol, estragole, cadinene, clovene. ⁵³	Anthelmintic, aromatic, astringent, carminative, emmenagogue, stimulant, sudorific.
	<i>Zanthoxylum nitidum</i> (Roxb.) DC	Nitidine, oxynitidine, vitexin, 6-ethoxychelerythrin, diosmin, oxynitidine, oxychelerythrine, skimmianine, N-desmethylchelerythrine. ^{33,50,53}	Analgesic, anodyne, analgesic, antitumor against leukemia, carminative, detoxicant, increase blood flow.
	<i>Zanthoxylum schinifolium</i> Sieb. et Zucc.	Estragol, citronellol, phellandrene, xanthoxylene, skimmianine, magnoflorine, xanthoplanine, dictamnine, bergapten, berberine, esculetin dimethyl ether. ^{33,48,53}	Treat ascaris, relieve abdominal pain caused by ascariar obstruction.
N.A.	<i>Zanthoxylum americanum</i> Mill.	Chelerythrine, herclavin, asarinin, neoherculin, tannins, resins. ⁹⁹	Circulatory stimulant, increases sweating.

* This information should not be used for the diagnosis, treatment, or prevention of diseases in humans. The information contained herein is in no way intended to be a guide to medical practice or a recommendation that herbs be used for medicinal purposes. The information is presented here mainly for educational purposes and should not be used to promote the sale of any product or replace the service of a physician.

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APPENDIX 1

Chinese and Scientific Names of Chinese Medicinal Herbs

Chinese Name	Scientific Name
A Wei	<i>Ferula assa-foetida</i> L., <i>F. bungeana</i> Kitag.
Ai Di Cha	<i>Ardisia japonica</i> (Hornst.) Blume
Ai Lei	<i>Centaureium meyeri</i> (Bunge.) Druce
Ai Na Xian	<i>Blumea balsumifera</i> (L.) DC var. <i>microcephala</i> Kitamura, <i>Styrax tonkinensis</i>
Ai Ye	<i>Artemisia argyi</i> Leveille & Vaniot, <i>A. vulgarts</i> L., <i>A. argyi</i> Leveille & Vaniot f. <i>eximia</i> Pamp, <i>A. scoparia</i> Waldst. & Kitaib., <i>A. keiskeana</i> Miq., <i>A. selengensis</i> Turcz. ex Bess., <i>A. lagocephala</i> Fisch. ex Bess., <i>A. argyi</i> Leveille & Vaniot f. <i>gracilis</i> (Pamp.) Kitag., <i>A. integrifolia</i> L., <i>A. sieversiana</i> Ehrh. ex Willd., <i>A. halodendron</i> Turcz. ex Bess., <i>A. indica</i> Willd., <i>A. japonica</i> Thunb., <i>A. igniaria</i> Max., <i>A. lavandulaefolia</i> DC, <i>A. japonica</i> Thunb. var. <i>manshurica</i> (Kom.) Kitag.
Ai Yu Zi	<i>Ficus awkeotsang</i> Makino
Ba Dou	<i>Croton tiglium</i> L., <i>C. cascarilloides</i> Raeushel
Ba Ji Tian	<i>Morinda officinalis</i>
Ba Jiao Feng	<i>Alangium chinense</i> (Lour.) Harms.
Ba Jiao Hui Xiang	<i>Illicium verum</i> Hook f., <i>I. lanacedatum</i> A. S. Smith
Ba Jiao Lian	<i>Podophyllum peltatum</i> L., <i>P. pleianthum</i> Hance.
Ba Li Ma	<i>Rhododendron molle</i> (Blume) G. Don
Bai Bao Zi	<i>Mallotus paniculatus</i> (Lam.) Muell-Arg.
Bai Ben Dou	<i>Dolichos lablab</i> L.
Bai Bu	<i>Stemona japonica</i> (Bl.) Miq.
Bai Chen	<i>Cynanchum japonicum</i> Moore et Decne
Bai Dou Ku	<i>Amomum cardamomum</i> L.
Bai Guo	<i>Artemisia frigida</i> Willd.
Bai He	<i>Lilium brownii</i> F. E. Brown var. <i>viridulum</i> Baker, <i>L. dauricum</i> Ker-gawler, <i>L. distichum</i> Nakai ex Kamibayashi, <i>L. concolor</i> Salisb. var. <i>buschianum</i> (Ledeb.) Baker, <i>L. pumilum</i> DC, <i>L. lancifolium</i> Thunb., <i>L. japonicum</i> Thunb., <i>L. concolor</i> Salisb. var. <i>partheneion</i> (Sieb. & De Vries) Baker
Bai Hua	<i>Betula mandshurica</i> (Regel) Nakai, <i>B. platyphylla</i> Suk.
Bai Hua Teng	<i>Plumbago zeylanica</i> L.
Bai Ji	<i>Cymbidium hyacinthinum</i> Sm., <i>C. striatum</i> Sw., <i>Bletilla hyacinthina</i> R. Br., <i>B. striata</i> (Thunb.) Reichb., <i>B. hyacinthina</i> R. Br., <i>Epidendrum striatum</i> Thunb., <i>E. tuberosum</i> Lour.

Bai Jiang Cao	<i>Patrina scabiosaefolia</i> Fisch ex Link.
Bai Jie	<i>Sinapis alba</i> L.
Bai Jie Zi	<i>Brassica alba</i> (L.) Rabenh., <i>B. juncea</i> (L.) Czern. et Coss.
Bai Lian	<i>Ampelopsis japonica</i> (Thunb.) Mak.
Bai Lian Guo	<i>Artemisia gmelini</i> Weber ex Stechmann
Bai Mao	<i>Imperata arundinaceae</i> Cyrill., <i>I. cylindrica</i> Beauv.
Bai Qu Cai	<i>Chelidonium album</i> L., <i>C. hybridum</i> L., <i>C. majus</i> L., <i>C. serotinum</i> L.
Bai Rui Cao	<i>Thesium chinense</i> Turcz.
Bai Shao	<i>Paeonia albiflora</i> Pall., <i>P. japonica</i> (Makino) Miyabe. et Takeda, <i>P. edulis</i> Salisb., <i>P. officinalis</i> L., <i>P. moutan</i> Sims., <i>P. lactiflora</i> Pall., <i>P. lactiflora</i> Pall. var. <i>trichocarpa</i> (Bunge.) Stern
Bai Tou Went	<i>Pulsatilla ambigua</i> Turcz. ex Pritz., <i>P. cernua</i> (Thunb.) Bercht. et Opiz., <i>P. chinensis</i> (Bunge.) Regel, <i>P. chinensis</i> (Bunge.) Regel var. <i>kissii</i> (Mandl) S. H. Li et Y. H. Huang
Bai Tu Own	<i>Anemone cernua</i> Thunb., <i>A. pulsatilla</i> , <i>A. pulsatilla</i> var. <i>chinensis</i> Bunge.
Bai Way	<i>Cynanchum atratum</i> Bunge.
Bai Xian Pi	<i>Dictamnus albus</i> L. subsp. <i>dasycarpus</i> (Turcz.) Winter, <i>Dictamnus dasycarpus</i> , <i>Fraxinella dictamnus</i> Moench
Bai Yin Shu	<i>Securinega virosa</i> (Roxb.) Pax & Hoffmann
Bai Ying	<i>Solanum lyratum</i> Thunb., <i>S. melongena</i> L.
Bai Yu Lan	<i>Michelia alba</i> DC
Bai Zhi	<i>Angelica amurensis</i> Schischk., <i>A. dahurica</i> (Fisch.) Benth. et Hook., <i>A. anomala</i> Lalle.
Bai Zhu	<i>Atractylodes chinensis</i> (Bunge.) Koidz., <i>A. chinensis</i> (Bunge.) Koidz. f. <i>simplicifolia</i> (Loes.) Y. C. Chu, <i>A. chinensis</i> (Bunge.) Koidz. f. <i>quinqueloba</i> , (Baranov et Skv.) Y. C. Chu, <i>A. chinensis</i> (Bunge.) Koidz. var. <i>liaotungensis</i> (Kitag.) Y. C. Chu, <i>A. japonica</i> Koidz. ex Kitam., <i>A. koreana</i> (Nakai) Kitam., <i>A. macrocephala</i> Koidz.
Bai Du Juan Hua	<i>Rhododendron mucronatum</i> G. Don
Bai Hua Shi Shi Cao	<i>Oldenlandia diffusa</i> , <i>Hedyotis diffusa</i> Willd
Bai Hua Yi Mu Cao	<i>Leonurus sibiricus</i> L. f. <i>albiflorus</i> (Nakai et Kitag.) G. Wu
Bai Long Chuan Hua	<i>Clerodendrum paniculatum</i> L. var. <i>albiflorum</i> Hsieh.
Bai Qian Ceng	<i>Melaleuca leucadendra</i> L.
Bai Ye Diao Zhang	<i>Lindera glauca</i> (Sieb. et Zucc.) Blume
Bai Zhu Shu	<i>Gaultheria leucocarpa</i> f. var. <i>cumingiana</i> (Vidal) Sleumer.
Ban Bian Lian	<i>Lobelia chinensis</i> L.

Chinese Name	Scientific Name
Ban Jiu Jiu	<i>Vernonia andersonii</i> C. B. Carke
Ban Lan	<i>Baphicanthus cusia</i> (Nees.) Bremek.
Ban Lan Gen	<i>Isatis chinensis</i> (Thunb.) Nakai, <i>I. chinensis</i> (Thunb.) Nakai var. <i>graminifolia</i> H. C. Fu
Ban Lan Geng	<i>Polygonum tinctorium</i> Lour
Ban Xia	<i>Pinellia ternata</i> (Thunb.) Breit, <i>P. tuberifera</i> Tenore
Ban Zi Lian	<i>Scutellaria barbata</i>
Bang Chui Hui	<i>Nealsomitra integrifoliola</i> (Cogn.) Hutch
Be Han Cao	<i>Melilotus alba</i> Medicus, <i>M. suaveolens</i> Ledeb.
Bei Mei Do Xing Cao	<i>Lepidium virginicum</i> L.
Bei Mu	<i>Fritillaria thunbergii</i> Miq., <i>F. anheunensis</i> Chen et Yin, <i>F. collicola</i> Hance, <i>F. roylei</i> Hook, <i>F. maximowiczii</i> Freyn, <i>F. ussuriensis</i> Maxim., <i>F. verticillata</i> Willd.
Bei Pu Jiang	<i>Buddleia formosana</i> Hatushima
Bei Xian	<i>Cyathula prostrate</i> (L.) Blume
Bei Za Seng	<i>Glehnia littoralis</i> F. S. Schmidt et Miq.
Ben Sao	<i>Mylabris phalerata</i>
Bi Ba	<i>Piper longum</i> L.
Bi Cheng Qie	<i>P. cubeba</i> L.
Bi Li Go	<i>Ficus pumila</i> L.
Bi Ma Zi	<i>Ricinus communis</i> L.
Bi Qao Jiang	<i>Costus speciosus</i> (Koen.) Smith
Bian Xu	<i>Polygonum aviculare</i> L., <i>P. vivipara</i> (L.) S. F. Gray, <i>P. lapidosa</i> Kitag., <i>P. aviculare</i> L. var. <i>vegetum</i> Ledeb., <i>P. manshuriensis</i> Komarov
Bing Lang	<i>Areca catechu</i> L., <i>A. hortonsis</i> Lour.
Bo Hoo	<i>Mentha arvensis</i> L., <i>M. dahurica</i> Fisch. ex Benth., <i>M. haplocalyx</i> Briq., <i>M. sachalinensis</i> (Briq.) Kudo, <i>M. sachalinensis</i> (Briq.) Kudo f. <i>arguta</i> (Kitag.) Y. C. Chu
Bo Lo Mi	<i>Artocarpus heterophyllus</i> Lamarck
Bo Lou Hui	<i>Macleaya cordata</i>
Bu Gu Zi	<i>Psoralea corylifolia</i> L.
Cai Fu	<i>Raphanus sativus</i> L.

Cam Dou	<i>Vicia faba</i> L.
Canada Pon	<i>Erigeron canadensis</i> L.
Cang Er	<i>Xanthium chinense</i> Mill., <i>X. strumarium</i> L., <i>X. sibiricum</i> Patr. ex. Widd., <i>X. japonicum</i> Widder, <i>X. mongolicum</i> Kitag.
Cang Zhu	<i>Atractylodes lancea</i>
Cao Bai Ching	<i>Ampelopsis aconitifolia</i>
Cao Guo	<i>Amomum globosum</i> Lour.
Cao He Che	<i>Polygonum bistorta</i> L.
Cao Jue Ming	<i>Celosia margariacea</i> L., <i>C. argentea</i> L.
Cao Wu	<i>Aconitum laciniatum</i> Stapf., <i>A. chinensis</i> Paxt., <i>A. vilmorinianum</i> Kom., <i>A. pariculigerum</i> Nakei., <i>A. kusnezoffii</i> Reichenbach
Cao Yu Mei	<i>Anemone rivularis</i> Buch-Hamilton ex DC, <i>A. rivularis</i> Buch-Hamilton ex DC var. <i>flore-minore</i> Maxim.
Ce Bai Ye	<i>Platyclusus orientalis</i> (L.) Franco., <i>Thuja chinensis</i> Hort., <i>T. koraiensis</i> Nakai, <i>T. orientalis</i> L.
Ce Bai Ye	<i>Biota chinensis</i> Hort., <i>B. orientalis</i> L.
Ce Yan	<i>Alnus japonica</i> (Thunb.) Steudel, <i>A. japonica</i> (Thunb.) Steudel var. <i>koreana</i> Callier
Cha	<i>Camellia bohea</i> Griff., <i>C. viridis</i> Link., <i>C. theifera</i> Griff., <i>C. sinensis</i> (L.) Kuntze, <i>Thea assamica</i> Mast, <i>T. sinensis</i> L., <i>T. bohea</i> L., <i>T. cochinchinensis</i> Lour., <i>T. viridis</i> Link., <i>T. cantoniensis</i> Lour., <i>T. chinensis</i> Sims.
Chai Hu	<i>Bupleurum chinense</i> DC, <i>B. scorzoneraefolium</i> Willd., <i>B. falcatum</i> L.
Chang Bai Rui Xian	<i>Daphne koreana</i> Nakai
Chang Chun Hua	<i>Catharanthus roseus</i> (L.) G. Don
Chang Chun Ton	<i>Hedera rhombea</i> (Miq.) Bean
Chang Pu	<i>Acorus calamus</i> L. var. <i>angustatus</i> Besser, <i>A. tatarinowii</i> L., <i>A. gramineus</i> Ait.
Chang Shan	<i>Dichroa febrifuga</i> Lour., <i>D. cyanitis</i> Miq., <i>D. febrifuga</i> Lour., <i>D. latifolia</i> Miq., <i>Adamia cyanea</i> Wall., <i>A. versicolof</i> Fortune
Chang Shu	<i>Cinnamomum camphora</i> (L.) J. S. Presl.
Che Chen Zi	<i>Plantago asiatica</i> L., <i>P. major</i> L., <i>P. major</i> L. var. <i>asiatica</i> DC, <i>P. exaltata</i> Horn., <i>P. loureiri</i> Roem. et Schult, <i>P. depressa</i> Willd.
Che Sang Zi	<i>Dodonaea viscosa</i> (L.) Jacquin
Che Ye Sha Seng	<i>Adenophora triphylla</i> (Thunb.) DC
Che Zhou Cao	<i>Trifolium pratense</i> L., <i>T. repens</i> L.
Chen Pi	<i>Citrus reticulata</i> Blanco

Chinese Name**Scientific Name**

Chen Wei	<i>Rosa multiflora</i> Thunb.
Chen Xiang	<i>Aquilaria agallocha</i> Roxb., <i>A. sinensis</i> (Lour.) Gilg.
Chinese Ji	<i>Cirsium chinense</i> Gardn. et. Champ.
Ching Mian Hua	<i>Pileostegia viburnoides</i> Hooker f. Thomson
Chiu Chung Ko	<i>Bougainvillea brasiliensis</i> Raeusch, <i>B. glabra</i> Choisy var. <i>sanderiana</i> Hort.
Cho Chong Jiu	<i>Pyrethrum cinerariifolium</i> (L.) Trev.
Cho Mo	<i>Fagopyrum esculentum</i> Moench, <i>F. sagittatum</i> Gilib.
Chong Guo	<i>Artemisia finita</i> Kitag.
Chou Chie Cao	<i>Boenninghausenia albiflora</i> (Hook.) Meisn.
Chou Fu Yong	<i>Tagetes erecta</i> L.
Chou Lee	<i>Prunus padus</i> L.
Chou Mu Lee	<i>Clerodendrum fragrans</i> Ventenat
Chou Wu Tong	<i>Clerodendrum trichotomum</i> Thunb., <i>C. trichotomum</i> Thunb. var. <i>ferrugineum</i> Nakai
Chou Xing	<i>Chenopodium ambrosioides</i> L.
Chu Gu Jiu	<i>Chrysanthemum cinerriaefolium</i> Visiont
Chu Kui	<i>Althaea rosea</i> (L.) Cav.
Chu Ye	<i>Phyllostachys bambusoide</i> Sieb. et Zucc., <i>P. nigra</i> Munro. var. <i>henonis</i> Mak.
Chuan Duan Chang Cao	<i>Corydalis incisa</i> (Thunb.) Pars.
Chuan Jian	<i>Xanthoxylum piperitum</i> DC
Chuan Jin Pi	<i>Hibiscus rhombifolius</i> Cav.
Chuan Lian	<i>Melia japonica</i> G. Don, <i>M. toosendan</i> L.
Chuan Shan Long	<i>Dioscorea nipponica</i> Makino
Chuan Xiang	<i>Ligustium chuanziang</i> Hort.
Chuan Xin Lian	<i>Andrographis paniculata</i> (Burm. f.) Nees
Chui Pen Chao	<i>Sedum sarmentosum</i> Bunge.
Chui Zhi Shi Song	<i>Lycopus phlegmaria</i> L.
Chun Pi	<i>Ailanthus altissima</i> (Mill.) Swingle
Chung Way	<i>Leonurus sibiricus</i> L.
Ci Gu	<i>Sagittaria sagittifolia</i> L.

Ci Hi Li	<i>Tribulus terrestris</i> L.
Ci Luo Shi	<i>Maytenus diversifolia</i> Hou.
Ci Seng	<i>Oplopanax elatus</i> (Nakai) Nakai
Ci Wu Jia	<i>Eleutherococcus senticosus</i> (Rupr. ex Maxim.) Maxim., <i>Acanthopanax senticosus</i> (Rupr. et Maxim.) Harms.
Cong	<i>Allium fistulosum</i> L.
Cong Lan	<i>Zephyranthes candida</i> Herbert
Cu Fei	(Taiwan) <i>Cephalotaxus wilsoniana</i> Hayata
Cui Que	<i>Delphinium grandiflorum</i> L.
Cylon Rou Gui	<i>Cinnamomum zeglanicum</i> Blume
Da Dou	<i>Glycine max</i> (L.) Merrill
Da Fei Yang Cao	<i>Euphorbia hirta</i> L.
Da Feng Zi	<i>Hydnocarpus anthelmintica</i> Pierre, <i>H. castaneus</i> H. F. & Th.
Da Hua Tian Qing	<i>Sesbinia grandiflora</i> (L.) Persoon
Da Ji	<i>Cirsium japonicum</i> DC, <i>Euphorbia lasiocaula</i> Boiss., <i>E. sampsoni</i> Hance, <i>E. coraroides</i> Thunb., <i>E. pallasii</i> Turcz., <i>E. lunulata</i> Bunge., <i>E. sieboldiana</i> Moore et Decne., <i>E. pekinensis</i> Rupr.
Da Ji Ru Zi Shu	<i>Euphorbia resinifera</i> Berger
Da Ma Ren	<i>Cannabis chinensis</i> Del., <i>C. sativa</i> L.
Da Qing	<i>Isatis indigotica</i> Fortune ex Lindley, <i>I. oblongata</i> DC, <i>Clerodendrum cyrtophyllum</i> Turcsaninow
Da Qing Ye	<i>Baphicanthus cusia</i> (Nees.) Bremek.
Da Ri Jian Cao	<i>Oenothera terythrosepala</i> Borbus
Da Suan	<i>Allium chinense</i> Max, <i>A. tuberosum</i> Roxb., <i>A. sativum</i> L., <i>A. uliginosum</i> G. Don, <i>A. odorum</i> L.
Da Wan Hua	<i>Calystegia hederacea</i> Willich ex Roxb., <i>C. japonica</i> Choisy iu Zoll.
Da Xian Mao	<i>Curculigo capitulata</i> (Lour.) O. Kuntze
Da Xian Ye Shu	<i>Lindera megaphylla</i> Hemsley
Da Ye An	<i>Eucalyptus robusta</i> Sm.
Dan Gui	<i>Angelica polymorpha</i> Max., <i>A. sinensis</i> (Oliv.) Diels
Dan Ye Mu Jing	<i>Vitex rotundifolia</i> L. f.
Dan Ye Xiz Zhu	<i>Phyllanthus simplex</i> Ketzia
Dan Zhu Ye	<i>Lophatherum gracile</i> Brongn.
Dao Dou	<i>Canavalia gladiata</i> (Jacq.) DC

Chinese Name	Scientific Name
De Jin	<i>Parthenocissus tricuspidata</i> Planchon.
De Qing Cao	<i>Euphorbia humifusa</i> Willd.
Deng Tai Ye	<i>Alstonia scholaris</i> (L.) R. Br.
Di Dan Tou	<i>Elephantopus elatus</i> L.
Di Ding Zi Jing	<i>Corydalis bungeana</i> Turcz.
Di Er Cao	<i>Hypericum ascyron</i> L. var. <i>longistylum</i> Maxim.
Di Gu Pi	<i>Lycium chinense</i> Miller
Di Huang	<i>Rehmannia chinensis</i> Fisch., <i>R. glutinosa</i> (Gaertn.) Libosch.
Di Jiao	<i>Thymus amurensis</i> Klokov, <i>T. komarovii</i> Sergievskaja, <i>T. przewalskii</i> (Kom.) Nakai, <i>T. kitagawianus</i> Tscherneva, <i>T. quinquecostatus</i> Celakovsky, <i>T. disjunctus</i> Klokov
Di Jin Cao	<i>Euphorbia helioscopia</i> L.
Di Yu	<i>Poterium officinale</i> Benth.
Ding Gong Teng	<i>Erycibe henryi</i> Prain
Ding Xian	<i>Eugenia ulmoides</i> Oliv., <i>E. aromatica</i> Baill., <i>E. caryophyllata</i> (L.) Thunb.
Dio Ue Nao Bu	<i>Stemona tuberosa</i> Lour.
Do Xing Cao	<i>Lepidium apetalum</i> Willd.
Don Gua	<i>Benincase cerifera</i> Savi., <i>B. hispida</i> Cogn.
Don Shin	<i>Juncus communis</i> Meyer
Don Sin Cao	<i>Juncus effusus</i> L.
Dong Chong Xia Chao	<i>Cordyceps sinensis</i>
Dong Kui Zi	<i>Malva chinensis</i> Mill., <i>M. verticillata</i> L., <i>M. pulchella</i> Berhn.
Dong Ling Cao	<i>Rabdosia rubescens</i>
Dong San Hu	<i>Solanum pseudo-capsicum</i> L.
Dong Seng	<i>Codonopsis pilosula</i> (Franch.) Nannfeldt, <i>C. tangshen</i> Oliv., <i>C. ussuriensis</i> (Rupr. et Maxim.) Hemsl.
Dong Yao	<i>Swertia pseudochinensis</i> Hara
Dou Kou	<i>Alpinia katsumadai</i>
Dou Tu Si	<i>Cuscuta australis</i> R. Brown
Du Jing Sha	<i>Maesa japonica</i> (Thunb.) Moritz
Du Zhong	<i>Eucommia ulmoides</i> D. Oliver

Duan Geng Ren Dong	<i>Lonicera apodonta</i> Ohwi
Duan Geng Wu Jia	<i>Acanthopanax sessiliflorus</i> (Rupr. et Maxim.) Seem
Duan Xue Liu	<i>Clinopodium chinense</i> (Benth.), <i>C. polycephalum</i>
Dui Ye Dou	<i>Cassia alata</i> L.
Duo Ti Hu	<i>Cynoglossum divaricatum</i> Stemphan
E Zhu	<i>Curcuma pallida</i> Lour.
Er Cha	<i>Acacia catechu</i> Willd.
Fan Lu	<i>Stellaria media</i> (L.) Cyrillo
Fan Mu Pen	<i>Strychnos nux-vomica</i> L.
Fan Qie	<i>Lycopersicon esculentum</i> L.
Fan Shi Lui	<i>Psidium guajava</i> L.
Fan Sui Xian	<i>Amaranthus paniculatus</i> L.
Fan Tian Hua	<i>Urena procumbens</i> L.
Fan Xie Ye	<i>Cassia angustifolia</i> Vahl., <i>Tinnevely senna</i> (Syn. <i>Cassia angustifolia</i>)
Fan Xing	<i>Tetragonia tetragonoides</i> (Pall.) O. Kuntz.
Fang Chi	<i>Menispermum dauricum</i> DC. f. <i>pilosum</i> (Schneider) Kitag.
Fang Feng	<i>Ledebouriella divaricata</i>
Fang Ji	<i>Cocculus diversifolius</i> Miq., <i>C. thunbergii</i> DC
Fei Bai	<i>Allium macrostemon</i> Bunge., <i>A. tartaricum</i> Ait.
Fei Hin Cao	<i>Aletris formosuna</i> (Hayata) Sasaki, <i>A. spicata</i> Franch
Fei Lan	<i>Zephyranthes carinata</i> Herbert
Fen Fang Ji	<i>S. tetrandraq</i> Moore
Fen Wei Ju	<i>Pueraria wallichiana</i> Agardh.
Feng Dou Cai	<i>Petasites japonicus</i> F. Schmidt.
Feng Huan Mu	<i>Delonix regia</i> (Boj.) Raf.
Feng Lee	<i>Ananas comosus</i> (L.) Merrill
Feng Lin Cao	<i>Campanula glomerata</i> L. f. <i>canescens</i> (Maxim.) Kitag., <i>C. punctata</i> Lam, <i>C. glomerata</i> L. var. <i>dahurica</i> Fisch. ex Ker-Gawler
Feng Lun Cai	<i>Clinopodium umbrosum</i> (Bleb.) C. Koch.
Feng Wei Cao	<i>Pteris cretica</i> L., <i>P. ensiformis</i> Burmann, <i>P. multifida</i> Poir, <i>P. vittata</i> L., <i>P. wallichiana</i> Agardh.

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Feng Xian Hua	<i>Impatiens balsamina</i> L., <i>I. noli-tangere</i> L., <i>I. textori</i> Miq.
Feng Yang	<i>Pterocarya stenoptera</i> DC
Fo Jia Cao	<i>Sedum lineare</i> Thunb.
Fo Jia Cao (Taiwan)	<i>S. formosanum</i> N. E. Brown
Fon Xian Chi	<i>Liquidambar acerifolia</i> Max., <i>L. formosana</i> Hance, <i>L. maximowiczii</i> Miq.
Fong Chang	<i>Eclipta thermalis</i> Bunge., <i>E. alba</i> Hassk., <i>E. prostrata</i> (L.) L., <i>E. marginata</i> Boiss.
Fong Kui	<i>Peucedanum japonicum</i> Thunb., <i>P. praeruptorum</i> L.
Foo Shao Mai	<i>Triticum vulgare</i> Vill.
Fu Ling	<i>Poria cocos</i> (Polyporaceae)
Fu Pen Zi	<i>Rubus coreanus</i> Miq., <i>R. matsumuranus</i> Levelle & Vaniot var. <i>concolor</i> (Kom.) Kitag., <i>R. saxatilis</i> L., <i>R. crataegifolius</i> Bunge., <i>R. matsumuranus</i> Levelle & Vaniot
Fu Ping	<i>Spirodela polyrhiza</i> Schleid.
Fu Rong Yie	<i>Hibiscus mutabilis</i> L.
Fu Shou Cao	<i>Adonis chrysocyathus</i> Hook F. & T. Thoms., <i>A. brevistyla</i> Franch., <i>A. vernalis</i> L.
Fu Wei Lan	<i>Sansevieria trifasciata</i> Prain
Fu Zi	<i>Aconitum balfourii</i> Stapf., <i>A. praeparata</i> , <i>A. jaluense</i> Kom. F. <i>glabrescens</i> (Nakai) Kitag., <i>A. carmichaelii</i> Debeaux, <i>A. volubile</i> Pall. ex Koelle var. <i>oligotrichum</i> Kitag., <i>A. napellus</i> L., <i>A. koreanum</i> R. Raymund, <i>A. deinorrhizum</i> Stapf., <i>Aconitum chasmanthum</i> Stapf., <i>A. fischeri</i> Reichb.
Fuag Ji (Japanese)	<i>Sinomenium acutum</i> , <i>S. diversifolium</i> Diels.
Ga Song Xiang	<i>Nardostachys jatamansi</i> DC
Gan Cao	<i>Glycyrrhiza uralensis</i> Fisch. ex DC, <i>G. pallidiflora</i> Maxim.
Gan Lan	<i>Canarium album</i> Raeusch., <i>C. sinense</i> Rumph., <i>C. album</i> Raeusch., <i>Pimela alba</i> Lour.
Gan Qi	<i>Rhus verniciflua</i> Stokes
Gan Su	<i>Iris buata</i> (L.) Lamarck.
Gang Ban Gui	<i>Polygonum perfoliatum</i>
Gao Ben	<i>Ligustium jeholense</i> (Nakai et Kitag.) Nakai et Kitag., <i>L. tenuissimum</i> (Nakai) Kitag., <i>L. sinense</i> Oliv., <i>L. pyrenacum</i> Couan.
Gao Liang Jiang	<i>Alpinia officinarum</i> Hance
Gao Mu	<i>Nothosmyrnum japonicum</i> Miq.

Gao Shan Liao	<i>Oxyria digyna</i> (L.) Hill
Ge Cong	<i>Allium victorialis</i> L. var. <i>platyphyllum</i> (Hult.) Makino
Ge Gen	<i>Pachyrhizus thunbergianus</i> Sieb. et Zucc., <i>Pueraria thunbergiana</i> Benth., <i>P. lobata</i> (Willd.) Ohwi.
Giang Huo	<i>Notopterygium incisium</i> Ting
Gong Chong	<i>Conioselinum univittatum</i> Turcz.
Gong Lao Mu	<i>Magnolia fortunei</i> (Lindl.) Fedde
Gong Xian Teng	<i>Mallotus repandus</i> (Willd.) Muell.
Gou Gi	<i>Lycium barbarum</i> L., <i>L. ovatum</i> Loisel., <i>L. turbinatum</i> Loisel., <i>L. megistocarpum</i> Dun., <i>L. trewianum</i> G. Don, <i>Poncirus trifoliata</i> Rafin
Gou Gu	<i>Mahonia japonica</i> DC
Gou Ji Guan Zhong	<i>Woodwardia japonica</i>
Gou Ma	<i>Abutilon theophrasti</i> Malv., <i>A. avicennae</i> Gaertn. Fruct. Sem.
Gou Mei	<i>Myrica rubra</i> (Lour.) Sieb. et Zucc.
Gou Min	<i>Gelsemium sempervirens</i> (L.) Ait.
Gou Shi Cao	<i>Senecio campestris</i> (Retz.) DC
Gou Teng	<i>Nauclea rhynchophylla</i> Miq., <i>N. sinensis</i> Oliv., <i>Uncaria hirsuta</i> Havil, <i>U. rhynchophylla</i> Miq.
Gua Di	<i>Cucumis melo</i> L.
Gua Lou	<i>Trichosanthes kirilowii</i> Maxim., <i>T. uniflora</i> Hao
Guan Ye Lean Qiao	<i>Hypericum perforatum</i> L.
Guan Zhong	<i>Dryopteris crassirhizoma</i> Nakai, <i>D. crassirhizoma</i> Nakai, <i>Aspidium falcatum</i> Sw.
Guang Feng Lun Cai	<i>Clinopodium gracile</i> (Benth.) O. Kuntze.
Gui Hua	<i>Osmanthus fragrans</i> (Thunb.) Lour.
Gui Zhi	<i>Cinnamomum cassia</i> Presl., <i>C. aromaticum</i> Nees.
Guo Gang Long	<i>Entada phaseoloides</i> (L.) Merrill.
Guo Ko Yi	<i>Erythroxylum coca</i> Lam.
Guo Tan Loan	<i>Adiantum flabellulatum</i> L.
Hai Dai	<i>Laminaria angusta</i> Kjellim., <i>L. japonica</i> Aresch., <i>L. longipedalis</i> Okam., <i>L. religiosa</i> Miyabe., <i>L. cichorioides</i> Miyabe.
Hai Jin Sha Teng	<i>Lygodium japonicum</i> Swartz.
Hai Tong Pi	<i>Erythrina indica</i> Lam., <i>E. variegata</i> L.
Hai Zao	<i>Sargassum pallidum</i>

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Han Cai	<i>Rorippa indica</i> (L.) Hiern., <i>R. islandica</i> (Oeder) Borbas
Han Mai Bin Cao	<i>Silene jennisseensis</i> Willd., <i>S. jennisseensis</i> Willd. f. <i>parviflora</i> (Turcz.) Schischk., <i>S. jennisseensis</i> Willd. f. <i>dasyphylla</i> (Turcz.) Schischk., <i>S. jennisseensis</i> Willd. var. <i>viscifera</i> Y. C. Chu, <i>S. jennisseensis</i> Willd. f. <i>setifolia</i> (Turcz.) Schischk., <i>S. jennisseensis</i> Willd. var. <i>oliganthella</i> (Nakai ex Kitag.) Y. C. Chu
Han Xiao Hua	<i>Michelia figo</i> DC
Han Xiou Cao	<i>Mimosa pudica</i> L., <i>M. arborea</i> Thunb.
Han Xiou Cao (American)	<i>Mimosa invisa</i> Mart. et Colla
He Huan Pi	<i>Acacia nemu</i> Willd. (Syn. <i>Albizia julibrissin</i>)
He Que She	<i>Portulaca pilosa</i> L.
He Shi	<i>Carpesium abrotanoides</i> L., <i>C. athunbergianum</i> Sieb. et Zucc.
He Shou Wu	<i>Polygonum multifolrum</i> Thunb.
He Ye	<i>Nelumbium nelumbo</i> Druce.
He Zi	<i>Terminalia chebula</i> Retz.
Hei Nan Pu Tao	<i>Syzygium cuminii</i> (L.) Skeels
Hei Shuo	<i>Melasma arvense</i> (Benth) Handel-Maxxetti
Hi Lu	<i>Anagalis arvensis</i> L.
Hi Tong	<i>Pittosporum tobira</i> (Thunb.) Aiton
Hie Quin Cao	<i>Cibotium barometz</i> (L.) J. Smith
Hin Gu Cao	<i>Ajuga bracteosa</i> Wallich, <i>A. decumbens</i>
Hong Gin Tian	<i>Rhodiola elongata</i> (Ledeb.) Fisch. & Meyer
Hong Guan Yao	<i>Aster ageratoides</i>
Hong Je Dan Hua	<i>Plumeria rubra</i> L.
Hong Jua	<i>Carthamus tinctorius</i> L.
Hong Ma Feng Shu	<i>Jatropha gossypifolia</i> L. var. <i>delgans</i> Muel.
Hong Mao Dan	<i>Nephelium lappaceum</i>
Hong Mei Xiao	<i>Rubus parvifolius</i> L.
Hong Men Lan	<i>Orchis latifolia</i> L.
Hong Nan	<i>Machilus thunbergii</i> Sieb. et Zucc.
Hong Pi	<i>Styrax suberifolus</i> Hook. et Arnott.

Hong Si Xian	<i>Solanum biflorum</i> Loureiro
Hong Teng	<i>Sargentodoxa cuneata</i>
Hong Tu Cao	<i>Blumea lacera</i> (Burm. f.) DC
Hong Xian Ren Dong	<i>Lonicera hypoglauca</i> Miq.
Hou Po	<i>Magnolia hypoleuca</i> Diels., <i>M. officinalis</i> Rehd. et Wils.
Hu Chang	<i>Polygonum cuspidatum</i> Siebold & Zucc.
Hu Gu Xiao	<i>Sambucus formosana</i> Nakai
Hu Hua Pi	<i>Albizia julibrissin</i> Duraz., <i>A. lebeck</i> (L.) Benth
Hu Huang Lain	<i>Picrorhiza kurroa</i> Royle.
Hu Ji Shang	<i>Viscum album</i> L. subsp. <i>coloratum</i> Kom., <i>V. album</i> L. subsp. <i>coloratum</i> Kom. f. <i>rubroaurantiacum</i> (Makino) Kitag., V. <i>coloratum</i> , Hu Jiao <i>Piper nigrum</i> L.
Hu Li Wei	<i>Uraria crinita</i> Desvaux
Hu Lu Cao	<i>Desmodium triquetrum</i> (L.) DC
Hu Tao Ren	<i>Juglans mandshurica</i> Maxim., <i>J. regia</i> L.
Hu Tin Chi	<i>Elaeagnus umbellata</i> Thunb., <i>E. pungens</i> Thunb.
Hu Tin Chi (Tiawan)	<i>E. formosana</i> Nakai
Hua Jiao	<i>Zanthoxylum schinifolium</i> Sieb. et Zucc.
Hua Qian Jin Teng	<i>Stephania sinica</i>
Hua Shan Seng	<i>Physochlaina infundibularis</i>
Huai Hua	<i>Sophora japonica</i> L.
Huai Niu Teng	<i>Achyranthes bidentata</i> L.
Huan Hun Cao	<i>Senecio cannabifolius</i> Lessing
Huang Bai	<i>Phellodendron amurense</i> Rupr., <i>P. amurense</i> Rupr. f. <i>molle</i> (Nakai) Y. C. Chu, <i>P. chinensis</i> Schneid
Huang Bai Mu	<i>Magnolia japonica</i> (Thunb.) DC
Huang Gen Cao	<i>Rubia akane</i> Nakai
Huang Ging	<i>Polygonatum chinense</i> Kunth., <i>P. cirrhifolium</i> Royle., <i>P. macropodium</i> Turcz. <i>P. sibiricum</i> Delar. ex Redoute, <i>P. stenophyllum</i> Maxim.
Huang Gua	<i>Cucumis sativus</i> L.
Huang Hua Jia Zhu Tao	<i>Thevetia peruviana</i> (Pers.) K. Schum.
Huang Hua Xuan Cao	<i>Hemerocallis flava</i> L.

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Huang Lian	<i>Coptis japonica</i> Makino, <i>C. teeta</i> Wall., <i>C. chinensis</i> Franch.
Huang Lu	<i>Cotinus coggygia</i> Scop.
Huang Ma	<i>Corchorus capsularis</i> L.
Huang Qin (Taiwan)	<i>Scutellaria formosana</i> Brown
Huang Qin	<i>S. baicalensis</i> Georgi, <i>S. grandiflora</i> Adams, <i>S. lanceolaria</i> Miq., <i>S. macrantha</i> Fisch., <i>S. rivularis</i> Benth., <i>S. viscidula</i> Bunge
Huang Shui Jia	<i>Solanum incanum</i> L.
Huang Teng	<i>Fibraurea recisa</i> , <i>Daemonorops margaritae</i> (Hance) Beccari
Huang Wu Tien	<i>Caesalpinia pulcherrima</i> Swartz
Huang Yang (Taiwan)	<i>Buxus microphylla</i> Sieb. et Zucc.
Huang Yao Zi	<i>Dioscorea bulbifera</i> L.
Huang Zhi	<i>Astragalus complanatus</i> R. Fr. ex Bunge., <i>A. melilotoides</i> Pallas, <i>A. mongholicus</i> Bunge., <i>A. reflexistipulus</i> Franch., <i>A. hoantchy</i> Franch., <i>A. membranaceus</i> (Fisch.) Bunge., <i>A. sinensis</i> L., <i>A. henryi</i> Oliv.
Hui Hui Suan	<i>Ranunculus chinensis</i> Bunge.
Hui Mao Dou	<i>Tephrosia purpurea</i> Persoon
Hui Qin	<i>Pimpinella thellungiana</i> Wolff, <i>P. thellungiana</i> Wolff var. <i>tenuisecta</i> Chu
Huo Ma Ren	<i>Cannabis chinensis</i> Del., <i>C. sativa</i> L.
Huo Qin Hua	<i>Haemanthus multiflorus</i> Mart. ex Willd.
Huo Tan Mo Cao	<i>Polygonum chinensis</i> L.
Huo Xiang	<i>Pogostemon cablin</i> Benth., <i>Agastache rugosa</i> (Fisch. & Mey.) O. Kuntze, <i>A. rugosa</i> (Fisch. & Mey.) O. Kuntze f. <i>hypoleuca</i> (Maxim.) Hara, <i>Lophanthus chinensis</i> Walp., <i>L. rugosus</i> Fisch. et Mey.
Huo Yu Jin	<i>Euphorbia antiquorum</i> L.
Huong Jing	<i>Vitex nequundo</i> L.
India Bian Teng	<i>Flagellaria indica</i> L.
Indian Ren Xian	<i>Acalypha indica</i> L.
Indian Tian Qing	<i>Sesbinia sesbin</i> (L.) Merrill.
Japan Jin Fen Ju	<i>Onychium japonicum</i> (Thunb.) Kunze.
Japan Liu Shan	<i>Cryptotaenia japonica</i> Hasskarl
Japan Mu Fang Ji	<i>Cocculus sarmentosus</i> DC

Japan Mu Gua	<i>Chaenomeles japonica</i> (Thunb.) Lind.
Japan Niu Teng	<i>Achyranthes japonica</i> (Miq.) Nakai
Japan Nu Zhen	<i>Ligustium japonicum</i> Thunb.
Japan She Gen Cao	<i>Ophiorrhiza japonica</i> Blume.
Japan Su	<i>Castanea mollissima</i> Blume., <i>C. crenata</i> Sieb. et Zucc.
Je Koo Cai	<i>Calloglossa lepieurii</i>
Je She	<i>Morinda citrifolia</i> L.
Ji Guan Hua	<i>Celosia argentea</i> var. <i>cristata</i> Bth., <i>C. cristata</i> L.
Ji Mu	<i>Loropetalum chinense</i> (R. Br.) D. Oliver
Ji Xue Cao	<i>Centella asiatica</i> (L.) Urb.
Ji Xue Teng	<i>Milletia reticulata</i> Benthham, <i>Spatholobus suberectus</i>
Jia Gou Ju	<i>Matteuccia struthiopteris</i> (L.) Todaro
Jia Mu	<i>Aralia chinensis</i> L., <i>A. cordata</i> Thunb. var. <i>continentalis</i> (Kitag.) Y. C. Chu, <i>A. elata</i> (Miq.) Seem., <i>A. elata</i> (Miq.) Seem. F. <i>subinermis</i> Y. C. Chu
Jia Zhu Tao	<i>Nerium indicum</i> Mill.
Jian Xui Fuan Hou	<i>Antiaris toxicaris</i> (Pers.) Lesch.
Jian Zi Mu	<i>Cornus macrophylla</i> Wallich
Jiang Sun	<i>Polygonatum odoratum</i> (Mill.) Druce var. <i>pluriflorum</i> (Miq.) Ohwi f. <i>ovarifolium</i> Y. C. Chu, <i>P. vulgare</i> Desf.
Jiang Zhen Xiang	<i>Acronychia pedunculata</i> (L.) Miquel.
Jiao Cao	<i>Valeriana alternifolia</i> Bunge, <i>V. amurensis</i> P. Smiru. ex. Kom., <i>V. subbipinnatifolia</i> A. Baranow., <i>V. fauriei</i> Briq., <i>V. alternifolia</i> Bunge. var. <i>stolonifera</i> Baranov & Skv., <i>V. fauriei</i> Briq. Var. <i>dasycarpa</i> Hara, <i>V. alternifolia</i> Bunge var. <i>stolonifera</i> Baranov & Skv. F. <i>angustifolia</i> (Kom.) Kitag.
Jie Cai	<i>Capsella bursa-pastoris</i> (L.) Medicus
Jie Geng	<i>Platycodon grandiflorum</i> DC, <i>P. grandiflorum</i> DC, <i>P. autumnalis</i> Decne., <i>P. sinensis</i> Lam.
Jie Geng	<i>Campanula gentianoides</i> Lam., <i>C. grandiflora</i> Jacq., <i>C. giauca</i> Thunb.
Jie Gu Mu	<i>Sambucus coreana</i> Kom. & Klob. Alisova, <i>S. sieboldiana</i> (Miq.) Blume ex Graebner var. <i>miquelii</i> (Nakai) Hara, <i>S. manshurica</i> Kitag., <i>S. latipinna</i> Nakai, <i>S. williamsii</i> Hance, <i>S. peninsularis</i> Kitag.
Jin Cai	<i>Viola acuminata</i> Ledeb., <i>V. patrini</i> DC ex Ging., <i>V. alisoviana</i> Kiss, <i>V. alisoviana</i> Kiss f. <i>intermedia</i> (Kitag.) Takenouchi, <i>V. verecunda</i> A. Gray, <i>V. mandshurica</i> W. Becker, <i>V. collina</i> Bess., <i>V. alisoviana</i> Kiss f. <i>candida</i> (Kitag.) Takenouchi, <i>V. dissecta</i> Ledeb., <i>V. dissecta</i> Ledeb. f. <i>pubescens</i> (Regel) Kitag., <i>V. prionantha</i> Bunga

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Jin Cao	<i>Arthraxon hispidus</i> (Thunb.) Makino
Jin Chuang Xian Cao	<i>Ajuga pygmaea</i> A. Gray
Jin Deng Long	<i>Physalis alkekengi</i> L. var. <i>francheti</i> (Mast.) Makino
Jin Gan	<i>Fortunella crassifolia</i> Swingle
Jin Gi Er	<i>Caragana sinica</i> Lam.
Jin Gi Er	<i>C. microphylla</i> Lam.
Jin Gi Er	<i>C. intermedia</i> Kuang
Jin Gi Er	<i>C. franchetiana</i> Koma
Jin Gu Cao	<i>Lycopodium cernuum</i> L.
Jin He Huan	<i>Acacia farnesiana</i> Willd.
Jin Jia Dou	<i>Phaseolus angularis</i> (Willd.) W. F. Wight, <i>P. radiatus</i> L., <i>P. vulgaris</i> L., <i>P. lunatus</i> L.
Jin Jing Zi	<i>Rosa acicularis</i> Lindl., <i>R. koreana</i> Kom., <i>R. davurica</i> Pall., <i>R. amygdalifolia</i> Ser., <i>R. davurica</i> Pall. var. <i>alpestris</i> (Nakai) Kitag., <i>R. laevigata</i> Michx., <i>R. maximowicziana</i> Regel
Jin Ju	<i>Fortunella margarita</i> (Lour.) Swin.
Jin Moa	<i>Thlaspi arvense</i> L.
Jin Qian Cao	<i>Glechoma longituba</i> (Nakai) Kuprijan., <i>G. hederacea</i> L. var. <i>grandis</i> (A. Gray) Kudo
Jin Qian Chao	<i>Lysimachia barystachys</i> Bunge., <i>L. clethroides</i> Duby, <i>L. christinae</i> , <i>L. davurica</i> Ledeb., <i>L. davurica</i> Ledeb. f. <i>latifolia</i> Korsh., <i>L. salicaria</i> L. var. <i>glabrum</i> Ledeb.
Jin Que Hua	<i>Cytisus scoparius</i> (L.) Link.
Jin Si Tao	<i>Hypericum attenuatum</i> Choisy, <i>H. japonicum</i> Thunb., <i>H. ascyron</i> L.
Jin Tsan Jiu	<i>Calendula officinalis</i> L.
Jin Xian Diao Wu Gui	<i>Stephania cepharantha</i>
Jin Yang Huo	<i>Epimedium koreanum</i> Nakai, <i>E. macranthum</i> Moore et Decne., <i>E. brevicorum</i>
Jin Yin Hua	<i>Lonicera brachypoda</i> DC
Jing Jie	<i>Schizonepeta multifida</i> (L.) Briquet, <i>S. tenuifolia</i> (Benth.) Briquet
Jing Mian Cao	<i>Lemmaphyllum microphyllum</i> Presl.
Jing Tian	<i>Sedum erythrostichum</i> Miq., <i>S. kamschaticum</i> Fisch., <i>S. verticillatum</i> L., <i>S. sarmentosum</i> Bunge.
Jing Tian San Qi	<i>S. aizoon</i> L.
Jiu Hong	<i>Citrus reticulata</i> Blanco var. <i>chachiensis</i>

Jiu Hua	<i>Chrysanthemum koraiense</i> Nakai, <i>C. sinense</i> Sabine., <i>C. morifolium</i> Ramat., <i>C. jucundum</i> Nakai & Kitag., <i>C. boreale</i> (Makino) Makino
Jiu Hua Teng	<i>Bauhinia championi</i> Bentham
Jiu Jie Cha	<i>Chloranthus glabra</i> (Thunb.) Nakia
Jiu Jie Mu	<i>Psychotria rubra</i> (Lour.) Poir.
Jiu Li Xiang	<i>Murraya paniculata</i> (L.) Jack
Jiu Pi	<i>Citrus deliciosa</i> Tenore, <i>C. nobilis</i> Lour.
Joe Koo Lan	<i>Gynostemma pentaphyllum</i> (Thunb.) Makino
Ju Shi Cai	<i>Sonchus arvensis</i> L., <i>S. oleraceus</i> L.
Juan Bai	<i>Selaginella tamarisina</i> (Beauv.) Spring
Jue Ming Zi	<i>Cassia obtusifolia</i> L., <i>C. nomame</i> (Sieb.) Honda
Jun Zi Lian	<i>Clivia miniata</i> Lindley
Ko Cho Mo	<i>Fagopyrum tataricum</i> (L.) Gaertn.
Kong Xin Lian Zi Cao	<i>Alternanthera philoxeroides</i> (Mart.) Griseb.
Koo Jing Cao	<i>Eriocaulon sieboldianum</i> Stend.
Korean Si Zhao Hua	<i>Cornus walteri</i> Wangerin
Korean Yan Hu Suo	<i>Corydalis ternata</i> (Nakai) Nakai
Ku Dong Zi	<i>Sophora alopecurosides</i>
Ku Gua	<i>Momordica charantia</i> L.
Ku Lian Chi	<i>Melia azedarach</i> L.
Ku Lian Pi	<i>Melia azedarach</i> L.
Ku Seng	<i>Sophora flavescens</i> Ait.
Ku Shu	<i>Picrasma quassioides</i> (D. Don) Benn., <i>P. quassioides</i> (D. Don) Benn. f. <i>dasycarpa</i> Kitag.
Ku Zhi	<i>Physalis angulata</i> L.
Kuan Dong Hua	<i>Tussilago farfara</i> L.
Kuei Chen Gao	<i>Bidens bipinnata</i> L., <i>B. parviflora</i> Willd.
Kui Shu Zi	<i>Livistona chinensis</i> (Jacq.) R. Br. ex Mart.
Kun Bu	<i>Laminaria angusta</i> Kjellim., <i>L. longipedalis</i> Okam., <i>L. religiosa</i> Miyabe., <i>L. japonica</i> Aresch., <i>L. cichorioides</i> Miyabe.
La Lian	<i>Polygonum hydropiperoides</i> Michx.
Lai Ye Sheng Ma	<i>Actaea asiatica</i> Hara

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Lang Ba Cao	<i>Bidens tripartita</i> L.
Lao Huan Cao	<i>Geranium eriostemon</i> Fisch. ex DC f. <i>hypoleucum</i> (Nakai) Y. C. Chu, <i>G. dahuricum</i> DC, <i>G. eriostemon</i> Fisch. ex DC, <i>G. wilfordi</i> Maxim., <i>G. wlassowianum</i> Fisch. ex Link, <i>G. sibiricum</i> L., <i>G. eriostemon</i> Fisch. ex DC f. <i>megalanthum</i> (Nakai) Y. C. Chu
Lao Jium Xiu	<i>Usnea diffracta</i> Dill. ex Adans.
Lei Gong Teng	<i>Tripterygium wilfordii</i> Hook. f.
Lei Wan	<i>Omphalia lapidescens</i>
Li Chi	<i>Litchi chinensis</i> Sonn.
Li Chun Hua	<i>Papaver rhoeas</i> L.
Li Lu	<i>Veratrum dahuricum</i> (Turcz.) Loes f., <i>V. maackii</i> Regel, <i>V. nigrum</i> L.
Li Lu (Taiwan)	<i>V. formosanum</i> Loesener
Li Shu	<i>Quercus acutissima</i> Carr., <i>Q. dentata</i> Thunb., <i>Q. variabilis</i> Blume, <i>Q. mongolica</i> Fisch. ex Turcz., <i>Q. aliena</i> Blume var. <i>acutiserrata</i> Maxim. ex Wenzig, <i>Q. liaotungensis</i> Koidz.
Li Tou Cao	<i>Typhonium divaricatum</i> (L.) Decaisne
Li Zhi Cao	<i>Salvia plebeia</i> R. Brown
Lian	<i>Nelumbium nuciferum</i> Gaertner, <i>N. speciosum</i> Willd.
Lian Qiao	<i>Forsythia suspensa</i> (Thunb.) Vahl., <i>Syringa dilatata</i> Nakai, <i>S. oblata</i> Lindley, <i>S. reticulata</i> (Blume) Hara var. <i>mandshurica</i> (Maxim.) Hara, <i>S. oblata</i> Lindley var. <i>alba</i> Hort. ex Rehd., <i>S. vulgaris</i> L., <i>S. suspensa</i> Thunb. (Syn. <i>Forsythia suspensa</i>)
Lian Zi Xin	<i>Nelumbium nelumbo</i> Druce.
Liang Shi	<i>Hyoscyamus bohemicus</i> F. W. Schmidt, <i>H. niger</i> L.
Liao Ge Wang	<i>Wikestroemia indica</i>
Lie Xiang Du Juan	<i>Rhododendron anthopogon</i> D. Don
Ling	<i>Trapa bispinosa</i> Roxburgh
Ling Bi Long	<i>Psychotria serpens</i> L.
Ling Lan	<i>Convallaria keiskei</i> Miq.
Ling Nan Huai	<i>Sophora tomatosa</i> L.
Ling Zhi	<i>Ganoderma lucidum</i> (Polyporaceae)
Liu Chun Yu	<i>Linaria vulgaris</i> Miller subsp. <i>sinensis</i> (Bebeaux) Hong

Liu Lan	<i>Chamaenerion angustifolium</i> (L.) Scop. f. <i>pubescens</i> (Hauskn.) Kitag., <i>C. angustifolium</i> (L.) Scop.
Liu Shen Cao	<i>Spilanthes acmella</i> L. var. <i>oleracea</i> Clarke
Liu Xing Zi	<i>Vaccaria pyramidata</i> Medic.
Liu Ye	<i>Salix babylonica</i> L. <i>S. matsudana</i> Koidz., <i>S. microstachya</i> Turcz. ex Trautv.
Liu Ye Cai	<i>Epilobium amurense</i> Haussku., <i>E. palustre</i> L., <i>E. hirsutum</i> L.
Lo Han Song	<i>Podocarpus macrophyllus</i> (Thunb.) D. Don
Lo Huang Zi	<i>Tamarindus indicus</i> L.
Lo Sheng Kui	<i>Hibiscus sabdariffa</i> L.
Loan Mao Cao	<i>Agrimonia eupatoria</i> L., <i>A. viscidula</i> Bunge., <i>A. pilosa</i> Ledeb., <i>A. pilosa</i> Ledeb. var. <i>simplex</i> T. Shimizu, <i>A. pilosa</i> Ledeb. var. <i>japonica</i> (Miq.) Nakai, <i>A. pilosa</i> Ledeb. var. <i>viscidula</i> (Bunge.) Kom.
Loan Now Xiang	<i>Dryobalanops aromatica</i> Gaertn., <i>D. camphora</i> Colebr.
Long Dan	<i>Gentiana squarrosa</i> Ledeb., <i>G. manshurica</i> Kitag., <i>G. algida</i> Pall., <i>G. scabra</i> Bunge., <i>G. barbata</i> Froel., <i>G. olivieri</i> DC, <i>G. triflora</i> Pall.
Long Kui	<i>Solanum nigrum</i> L.
Lou Lu	<i>Echinops grijsii</i> Hance, <i>E. gmelini</i> Ledeb., <i>E. dahuricus</i> Fisch., <i>E. sphacrocephalus</i> Miq.
Lour Lu	<i>Rhoponticum uniflorum</i> Ludl.
Lu Cao	<i>Humulus scandens</i> (Lour.) Merr.
Lu Er Jin	<i>Laggera alata</i> (D. Don) Schultz-Bip ex Oliver
Lu Gen	<i>Phragmites communis</i> Trin.
Lu Teng	<i>Milletia taiwaniana</i> (Matsum.) Hayata
Lu Wen	<i>Aloe barbadensis</i> Miller var. <i>chinensis</i> Berger, <i>A. vera</i> L.
Lu Xian	<i>Amaranthus lividus</i> L., <i>A. viridis</i> L.
Lu Xian Cao	<i>Pyrola decorata</i> , <i>P. incarnata</i> Fisch. ex DC, <i>P. rotundifolia</i> L., <i>P. japonica</i> Klenze ex Alefeld, <i>P. renifolia</i> Maxim.
Lu Yao	<i>Smilacina japonica</i> A. Gray
Lu Zhu	<i>Arundo donax</i> L.
Lun Ye Sha Seng	<i>Adenophora verticillata</i> Fisch.
Luo Bu Ma	<i>Apocynum venetum</i>
Luo Fu Mu	<i>Rauwolfia verticillata</i> (Lour.) Baill.
Luo Han Guo	<i>Momordica grosvenori</i> Swingle

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Luo Hua	<i>Arachis hypogaea</i> L.
Luo Hua Zi Zhu	<i>Callicarpa nudiflora</i> Hook & Am.
Luo Shi	<i>Trachelospermum jasminoides</i> Lam., <i>Parechites adnascens</i> Hance, <i>P. thunbergii</i> A. Gray
Luo Ti Cao	<i>Caltha palustris</i> L. var. <i>membranacea</i> Turcz., <i>C. palustris</i> L. var. <i>sibirica</i> Regel
Luo Xing Fu	<i>Astilbe longicarpa</i> (Hay.) Hayata
Ma An Teng	<i>Iris pes-caprae</i> (L.) Sweet subsp. <i>brasiliensis</i> (L.) Oostst.
Ma Bian Cao	<i>Verbena officinalis</i> L., <i>V. oxysepalum</i> Turcz.
Ma Bo	<i>Lasiosphaera nipponica</i> Reichardt
Ma Chi Xian	<i>Portulaca oleracea</i> L.
Ma Dou Ling	<i>Aristolochia contorta</i> Bunge., <i>A. recurvilabra</i> Hance, <i>A. kaempferi</i> Willd., <i>A. longa</i> Thunb.
Ma Dou Ling (Taiwan)	<i>A. shimadai</i> Hayata
Ma Huang	<i>Ephedra distachya</i> L., <i>E. intermedia</i> Schrenk ex Mey., <i>E. sinica</i> Stapf., <i>E. monosperma</i> Gmel. ex. Mey., <i>E. equisetina</i> Bunge.
Ma Lan Zi	<i>Iris pallasii</i>
Ma Qian Zi	<i>Strychnos pierriana</i>
Ma Wei Lian	<i>Thalictrum ichangense</i> Lecoyer ex Oliver
Ma Xian Gao	<i>Pedicularis resupinata</i> L., <i>P. resupinata</i> L. f. <i>ramosa</i> Kom., <i>P. resupinata</i> L. f. <i>pubescens</i> Kom.
Mai Dong	<i>Ophioglossum japonicus</i> (Thunb.) Ker-Gawl.
Mai Liang Cai	<i>Elephantopus molis</i> H. B. K.
Mai Meng Dong	<i>Ophiopogon gracilus</i> Kunth., <i>O. longifolius</i> Decne., <i>O. spicatus</i> Ker-Gawl., <i>Draceana graminifolia</i> L., <i>Liriope graminifolia</i> Bak., <i>L. spicata</i> Lour., <i>L. platyphylla</i> Wang & Tang
Mai Ya	<i>Hordeum vulgare</i> L.
Man Jiang Hong	<i>Azolla imbricata</i> (Roxb.) Nakai
Man Shan Hong	<i>Rhododendron dahuricum</i> DC
Man Ti Xian	<i>Alternanthera sessilis</i> (L.) R. Brown
Man Tu Luo	<i>Datura tatula</i> L., <i>D. stramonium</i> L., <i>D. metel</i> L., <i>D. alba</i> Nees., <i>D. fastuosa</i> L. var. <i>alba</i> Clark, <i>D. innoxia</i> Mill.
Mang Ji	<i>Dicranopteris linearis</i> (Burm. f.) Under.
Mao Di Huang	<i>Digitalia sanguinalis</i> (L.) Scop. var. <i>ciliaris</i> (Retz.) Parl., <i>D. purpurea</i> L., <i>D. sanguinalis</i> (L.) Scop.
Mao Dong Qing	<i>Ilex pubescens</i> Hook & Am.

Mao Dong San Hu	<i>Solanum capsicastrum</i> Link.
Mao Gao Cai	<i>Drosera burmanni</i> Vahl., <i>D. anglica</i> Hudson, <i>D. rotundifolia</i> L.
Mao Guo Yan Ming Cao	<i>Rabdosia lasiocarpus</i> (Hayata) Hara
Mao Liang	<i>Ranunculus japonicus</i> Thunb., <i>R. sarmentosa</i> Adams
Mao Xian	<i>Hierochloa odorata</i> (L.) Beauv.
Mao Zhua Chao	<i>Ranunculus ternatus</i> Thunb.
Mar Dong	<i>Ophiopogon japonicus</i> Wall.
Mei Deng Mu	<i>Maytenus serrata</i> (Hochst. ex A. Rich) Wilcz.
Mei Gui Hua	<i>Rosa rugosa</i> Thunb.
Mei Hua Cao	<i>Parnassia palustris</i> L.
Mei Li Cao	<i>Chimaphila umbellata</i> (L.) W. Barton
Mei She Chao	<i>Calloglossa lepieurii</i>
Mi Hou Tao	<i>Actinidia arguta</i> (Sieb. et Zucc.) Planch. ex. Miq., <i>A. japonica</i> Nakai, <i>A. kolomikta</i> (Maxim. ex. Rupr.) Maxim., <i>A. polygama</i> (Sieb. et Zucc.) Planch. ex Maxim. Chang, <i>A. chinensis</i>
Mi Meng Hua	<i>Buddleia madagascariensis</i> Hance, <i>B. officinalis</i> Maxim.
Mian Bao Shu	<i>Artocarpus altilis</i> (Park.) Fosberg.
Mian Hua Gen	<i>Gossypium herbaceum</i> L.
Mian Ma Guan Zhong	<i>Dryopteris laeta</i> (Kom.) Christ.
Mian Zi Soo	<i>Gossypium herbaceum</i> L.
Min Dong Seng	<i>Changium smyrnioides</i> Wolff.
Mo Han Lian	<i>Eclipta erecta</i> L.
Mo Ja Chao	<i>Equisetum hyemale</i> L., <i>E. ramosissimum</i> Desf., <i>E. arvense</i> L.
Mo Li Hua	<i>Jasminum samba</i> (L.) Aiton
Mo Yao	<i>Commiphora myrrha</i> Engler
Mo Yue	<i>Amorphophallus rivieri</i> Durieu
Moo Tune	<i>Akebia quinata</i> (Hoytt.) Decne.
Mu Dan Pi	<i>Paeonia obovata</i> Maxim., <i>P. suffruticosa</i> Andr., <i>P. veitchii</i> Lynch.
Mu Er Cao	<i>Gynura bicolor</i> DC
Mu Fang Ji	<i>Cocculus trilobus</i> (Thunb.) DC, <i>C. laurifolius</i> DC
Mu Gui	<i>Osmanthus fragrans</i> (Thunb.) Lour

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Mu Jin	<i>Hibiscus chinensis</i> DC, <i>H. syriacus</i> L., <i>H. trionum</i> L.
Mu Jing	<i>Vitex chinensis</i> Miller, <i>V. jeguaod</i>
Mu Jing Chi	<i>Vitex trifolia</i> L. var. <i>simplicifolia</i> Cham.
Mu Lan	<i>Magnolia liliflora</i> Desr.
Mu Tong	<i>Clematis heracleifolia</i> DC var. <i> davidiana</i> (Decaisue ex Verlot) O. Kuntze, <i>C. heracleifolia</i> DC, <i>C. armandii</i> Franch. <i>Aristolochia manshuriensis</i> Kom.
Mu Tou Hui	<i>Patrinia heterophylla</i>
Mu Xiang	<i>Aucklandia costus</i> Falc.
Mu Xu	<i>Medicago falcata</i> L., <i>M. polymorpha</i> L., <i>M. lupulina</i> L., <i>M. sativa</i> L., <i>M. ruthenica</i> (L.) Ledeb.
Mu Yu Ma	<i>Boehmeria densiflora</i> Hooker et Arnott
Mu Ziang	<i>Saussurea japonica</i> (Thunb.) DC, <i>S. japonica</i> (Thunb.) DC var. <i>maritima</i> Kitag., <i>S. japonica</i> (Thunb.) DC f. <i>alata</i> (Chen) Kitag., <i>S. lapa</i> Clarke
Na Yang Shan	<i>Araucaria cunninghamii</i> Aiton ex Sweet
Nan Gua Zi	<i>Cucurbita moschata</i> Duch. var. <i>melonaeformis</i> (Carr.) Makino, <i>C. pepo</i> L.
Nan He Chi	<i>Daucus carota</i> L. subsp. <i>sative</i> Hoffm.
Nan Tian Zhu	<i>Nandina domestica</i> Thunb.
Nan Wu Wei Zi	<i>Kadsura japonica</i> (L.) Dunal
Nan Zhu	<i>Lyonia ovalifolia</i> (Wall.) Drude.
Nei Don Zi	<i>Lindera obtusiloba</i> Blume f. <i>villosa</i> (Blume) Kitag., <i>L. akoensis</i> Hayata
Ning Meng Sian Mao	<i>Cymbopogon eitratus</i> (DC) Stapf.
Niu Bang Chi	<i>Arctium lappa</i> L., <i>Lappa communis</i> Coss et Germ., <i>L. edulis</i> Sieb., <i>L. minor</i> DC, <i>L. major</i> Gaerth.
Niu Fang Feng	<i>Heracleum dissectum</i> Ledeb.
Niu Zi Qie	<i>Solanum indicum</i> L.
Nou Me	<i>Oryza sativa</i> L.
Nu Zhen Zi	<i>Ligustium lucidum</i> Mill
Pa Jiao Lian	<i>Dysosma pleiantha</i> (Hance) Woodson
Pai Lan (Taiwan)	<i>Eupatorium formosanum</i> L.
Pai Qian Chao	<i>Desmodium pulehellum</i>
Pai Qian Shu	<i>Phyllodium pulchellum</i> (L.) Desvaux.

Pan Chan Teng	<i>Cassytha filliformis</i> L.
Pei Lan	<i>Eupatorium odoratum</i> L.
Peng Lai Teng	<i>Pericamylus formosanus</i> Diels
Peng Wo Mao	<i>Curcuma phaeocoulis</i> Val.
Peng Zi Cao	<i>Galium verum</i> L. var. <i>leiocarpum</i> Ledeb., <i>G. verum</i> L. var. <i>trachycarpum</i> DC
Pi Jiang	<i>Alpinia kumatake</i> Mak.
Pi Pa Yie	<i>Eriobotrya japonica</i> Linkdl.
Pin Di Mu	<i>Ardisia japonica</i> (Hornst.) Blume
Pin Peng Cao (Japan)	<i>Nuphar japonicum</i> DC, <i>N. pumilum</i> (Timm) DC
Po Po Na	<i>Veronica sibirica</i> L., <i>V. sibirica</i> L. f. <i>glabra</i> (Nakai) Kitag., <i>V. undulata</i> Wallich
Po Shu	<i>Celtis bungeana</i> Blume, <i>C. sinensis</i> Pers.
Po Yen	<i>Rhus semialata</i> Murr.
Pu Gong Ying	<i>Taraxacum mongolicum</i> Hand. Mazz., <i>T. sinicum</i> Kitag.
Pu Gong Ying (Taiwan)	<i>Taraxacum formosanum</i> Kitamura
Pu Gong Ying (Western)	<i>Taraxacum officinale</i> G. H. Weber ex Wigg.
Pu Huang	<i>Typha angustata</i> Bory et Chaub., <i>T. latifolia</i> L., <i>T. angustifolia</i> L., <i>T. orientalis</i> Presl., <i>T. minima</i> Hoppe, <i>T. davidiana</i> (Kronfeld) Hand. Mazz., <i>T. praequalis</i> Skv.
Qian Cao	<i>Rubia chinensis</i> Regel & Maack, <i>R. cordifolia</i> Thunb., <i>R. cordifolia</i> L. f. <i>pratensis</i> (Maxim.) Kitag., <i>R. mungista</i> Roxb., <i>R. sylvatica</i> (Maxim.) Nakai
Qian Hu	<i>Angelica decursiva</i> (Miq.) Franch. et Savat., <i>A. pubescens</i> Maxim., <i>A. grosserrata</i> Maxim.
Qian Hu	<i>Peucedanum decursivum</i> Max.
Qian Hu (Taiwan)	<i>Peucedanum formosanum</i> Hayata
Qian Jin Teng	<i>Stephania japonica</i> (Thunb.) Miers.
Qian Jin Zi	<i>Euphorbia kansui</i>
Qian Li Guang	<i>Senecio argunensis</i> Turcz., <i>S. scandens</i> Buch-Ham ex D. Don, <i>S. nemorensis</i> L.
Qian Li Guang (European)	<i>S. vulgaris</i> L.
Qian Qu Cai	<i>Lythrum salicaria</i> L.
Qian Ri Hong	<i>Gomphrena globosa</i> L.
Qian Shi	<i>Euryale ferox</i> Salisb.
Qiang Cao	<i>Parietaria micrantha</i> Ledeb.

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Qin Cai	<i>Apium graveolens</i> L.
Qin Jiu	<i>Justicia gendarussa</i> L., <i>J. procumbens</i> L., <i>Gentiana dahurica</i> Fisch., <i>G. macrophylla</i> Pall., <i>G. lutea</i> L.
Qing Feng Teng	<i>Sinomenium acutum</i> var. <i>cinereum</i>
Qing Guo	<i>Artemisia annua</i> L., <i>A. apiacea</i> Hance ex Walpers
Qing Mu Xiang	<i>Aristolochia debilis</i> Sieb. et. Zucc.
Qing Ping	<i>Lemna minor</i> L., <i>L. perpusilla</i> Torrey
Qing Ye Dan	<i>Swertia diluta</i> (Turcz.) Benth. et Hook. f., <i>S. mileensis</i> L.
Qiong Zhi	<i>Gelidium amansii</i>
Qiu Jiang	<i>Zingiber zerumbet</i> Smith
Qu Mai	<i>Dianthus superbus</i> , <i>D. barbatus</i> L. var. <i>asiaticus</i> Nakai, <i>D. oreadum</i> Hance
Quan Yuan Guan Zhong	<i>Cytomium falcatum</i> (L. f.) Presel.
Quao Ye Ging Lan	<i>Dracocephalum integrifolium</i> L.
Quian Niu Zi	<i>Pharbitis diversifolia</i> Lindl., <i>P. triloba</i> Miq., <i>P. nil</i> , <i>P. hederacea</i> Choisy
Quian Niu	<i>Ipomoea barbata</i> Both., <i>I. caerulea</i> Koeh., <i>I. hederacea</i> Jacq., <i>I. triloba</i> Thunb
Quin Pi	<i>Fraxinus obovata</i> Blume, <i>F. rhynchophylla</i> Hance, <i>F. chinensis</i> Roxb., <i>F. floribunda</i> Bunge., <i>F. ornus</i> L. var. <i>bungeana</i> Hance, <i>F. bungeana</i> DC
Ren Dong	<i>Lonicera chinensis</i> Wats., <i>L. japonica</i> Thunb., <i>L. flexuosa</i> Thunb., <i>L. maackii</i> (Rupr.) Maxim., <i>L. japonica</i> var. <i>chinensis</i> Bak., <i>L. confusa</i> Miq.
Ren Seng	<i>Panax ginseng</i> C. A. Meyer
Ri Jian Ca Sha Jiang Cao	<i>Oenothera odorata</i> Jacq.
Ron Yen Raw	<i>Nephelium longana</i> Camb.
Rong Cai	<i>Iris aqyatuca</i> Forskal
Rong Shu	<i>Ficus inicrocarpa</i> L.
Rou Dau Kou	<i>Myristica fragrans</i> Houtt.
Ru Xiang	<i>Pistacia lentiscus</i> L.
Rui Ye Ren Dong	<i>Lonicera acuminata</i> Wallich
San Bai Cao	<i>Saururus chinensis</i> (Lour.) Baillon
San Dian Jin Cao	<i>Desmodium triforum</i> (L.) DC
San Hai Ton	<i>Tripterygium hypoglaucum</i> (Levl.) Hutch.

San Hu Ci Tong	<i>Erythrina corallodendron</i> L.
San Hu Shu	<i>Datura suaveolens</i> Humb. & Bonpl. ex Willd.
San Hu You Tong	<i>Jatropha podagrica</i> Hooker
San Jian Shan	<i>Cephalotaxus fortunei</i>
San Long Zhi	<i>Scopolia tangutica</i> Max.
San Qi	<i>Gynura japonica</i> Mak., <i>G. pinnatifida</i> Vanniot, <i>G. segetum</i> Merr. <i>Panax zingiberensis</i> C. Y. Wu & K. M. Feng
San Se Xian	<i>Amaranthus tricolor</i> L.
San Ya Ko	<i>Evodia leptota</i> (Spreng.) Merrill., <i>E. triphylla</i> DC
San Ye Wu Jia	<i>Acanthopanax trifoliatum</i> (L.) Merr.
Sang Gen Bai Pi	<i>Morus alba</i> L., <i>M. constantinopolitana</i> Poir., <i>M. indica</i> L.
Sang Zhi	<i>M. alba</i> L., <i>M. constantinopolitana</i> Poir., <i>M. indica</i> L.
Se Gua	<i>Luffa faetida</i> Sieb. et Zucc., <i>L. aegyptiaca</i> Mill, <i>L. petola</i> Ser., <i>L. cylindrica</i> Roem., <i>Momordica cylindrica</i> L.
Sha Cao	<i>Cyperus difformis</i> L., <i>C. glomeratus</i> L., <i>C. iria</i> L.
Sha Cha Hua	<i>Camellia japonica</i> L.
Sha Gen Cai	<i>Lobelia pyramidalis</i> Wallich., <i>L. sessilifolia</i> Lambert
Sha Gui Hua	<i>Maesa perlarius</i> (Lour.) Merrill.
Sha Gui Hua (Taiwan)	<i>Maesa tenera</i> Mez.
Sha Hong Fan Cao	<i>Blumea riparia</i> (Blume) DC var. <i>megacephala</i> Randeria
Sha Ji	<i>Hippophae rhamnoides</i> L.
Sha Jiang Cao	<i>Oxalis corriculaza</i> L., <i>O. corymbosa</i> DC
Sha Ma	<i>Corchorus olitorius</i> L.
Sha Ren	<i>Hedychium coronarium</i> Koen., <i>Amomum tsao-ko</i> , <i>A. villosum</i>
Sha Seng	<i>Adenophora coronopifolia</i> Fisch., <i>A. pereskiaefolia</i> (Fisch.) G. Don, <i>A. paniculata</i> Nannf., <i>A. tetraphylla</i> , <i>A. remotiflora</i> (Sieb. et Zucc.) Miq., <i>A. polymorpha</i> Ledeb., <i>A. stenanthina</i> (Ledeb.) Kitag.
Sha Yuan Zi	<i>Astragalus chinensis</i> L. fil.
Sha Zhu Yu	<i>Macrocarpium officinalis</i> (Sieb. et Zucc.) Nakai
Shan	<i>Adamia chinensis</i> Gard. et Champ.
Shan Ci Ko	<i>Iphigenia indica</i> (Syn. <i>Tulipa edulis</i>), <i>Tulipa edulis</i> Bak.
Shan Cong Zi	<i>Litsea cubeba</i>

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Shan Dou Gen	<i>Menispermum dauricum</i> L., <i>Euchresta japonicum</i> Benth., <i>Sophora subprostrata</i>
Shan Ge	<i>Pueraria montana</i> (Lour.) Merrill., <i>P. thunbergiana</i> Benth.
Shan Guo	<i>Artemisia brachyloba</i> Franch.
Shan Hua Jiao	<i>Zanthoxylum bungeanum</i> Maxim.
Shan Jiang	<i>Alpinia speciosa</i> K. Schum.
Shan Jiu	<i>Sapium discolor</i> Mueller-Arg.
Shan Liu Jiu	<i>Hieracium umbellatum</i> L.
Shan Ma Zi	<i>Ribes mandshurica</i> (Maxim.) Kom., <i>R. mandshurica</i> (Maxim.) Kom. f. <i>subglabrum</i> (Kom.) Kitag.
Shan Na	<i>Kaempferia galanga</i> L.
Shan Pu Tao	<i>Vitis amurensis</i> Rupr., <i>V. vinifera</i> L.
Shan Teng Zi	<i>Viburnum sargentii</i> Koehne f. <i>glabrum</i> Kom., <i>V. sargentii</i> Koehne var. <i>puberulum</i> (Kom.) Kitag., <i>V. sargentii</i> Koehne f. <i>intermedium</i> (Kom.) Kitag.
Shan Wo Ju	<i>Lactuca raddeana</i> Maxim., <i>L. indica</i> L.
Shan Yan Cao	<i>Solanum verbascifolium</i> L.
Shan Yao	<i>Dioscorea opposita</i> Thunb.
Shan Ye Man Shi Song	<i>Lycopodium annotinum</i> L.
Shan Ye Shi Song	<i>Lycopus fargesii</i> Herter
Shan Zha	<i>Crataegus pinnatifida</i> Bunge., <i>C. maximowiczii</i> Schneid., <i>C. dahurica</i> Koehne ex Schneid., <i>C. chlorusarca</i> Maxim., <i>C. pentagyna</i> Waldst. et Kit., <i>C. sanguinea</i> Pall., <i>C. cuneata</i> Sieb. et Zucc.
Shan Zhi	<i>Gardenia angusta</i> (L.) Merrill.
Shan Zhi Ma	<i>Oenothera biennis</i> L.
Shan Zhu Yu	<i>Cornus officinalis</i> Sieb. et Zucc.
Shang Han Cao	<i>Vernonia cinerea</i> (L.) Less.
Shang Lu	<i>Phytolacca acinosus</i> Roxb., <i>P. kaempferi</i> A. Gray, <i>P. octandra</i> Bge., <i>P. pekinensis</i> Hance, <i>P. japonica</i> Makino, <i>P. americana</i> L.
Shao Ci Wu Jia	<i>Acanthopanax senticosus</i> (Rupr. et Maxim.) var. <i>subinermis</i> (Regel) Kitag.
Shao Lan	<i>Cypripedium macranthum</i> Swartz f. <i>albiflorum</i> Y. C. Chu, <i>C. macranthum</i> Swartz, <i>C. guttatum</i> Swartz
She Cheung Zi	<i>Cnidium monnieri</i> (L.) Cusson
She Gan	<i>Belamcanda chinensis</i> (L.) DC, <i>B. panctata</i> Moench., <i>Iris dichotoma</i> Pallas
She Ma	<i>Humulus lupulus</i> L.

She Mei	<i>Fragaria indica</i> Andr., <i>Duchesnea indica</i> (Andr.) Focke.
Shen Jin Cao	<i>Lycopodium clavatum</i> L. var. <i>nipponicum</i> Nakai, <i>L. obscurum</i> L., <i>L. selago</i> L., <i>L. serratum</i> Thunb.
Shen Liu	<i>Tamarix juniperina</i> Bunge.
Sheng Hong Yu	<i>Ageratum conyzoides</i> L., <i>A. houstonianum</i> Mill
Sheng Jiang	<i>Zingiber officinale</i> Roscoe
Sheng Ma	<i>Cimicifuga foetida</i> L., <i>C. dahurica</i> (Turcz.) Maxim., <i>C. heracleifolia</i> Kom., <i>C. racemosa</i> (L.) Nutt., <i>C. ussuriensis</i> Oettingen
Sheng Teng	<i>Calamus margaritae</i> Hance
Shi Cao	<i>Achillea alpina</i> L., <i>A. millefolium</i> L.
Shi Da Chuan	<i>Oldenlandia chrysotricha</i> L.
Shi Diao Lan	<i>Lysionotus pauciflorus</i> G. Don
Shi Dou	<i>Dendrobium nobile</i> Lindl., <i>Epidendrum monile</i> Thunb.
Shi Hong Hua	<i>Crocus sativus</i> L.
Shi Ji Qing	<i>Ilex chinensis</i> Sims
Shi Jian Chuan	<i>Salvia chinensis</i> , <i>S. pogonocalyx</i> Hance, <i>S. przewalskii</i>
Shi Jiun Zi	<i>Quisqualis grandiflora</i> Miq., <i>Q. pubescens</i> Burm., <i>Q. longifolia</i> Presl., <i>Q. indica</i> L., <i>Q. sinensis</i> Lindl., <i>Q. loureiri</i> G. Don
Shi Juan Bai	<i>Selaginella involvens</i> (Sw.) Sprengel
Shi Li	<i>Aleurites moluceanu</i> (L.) Willd.
Shi Liu Pi	<i>Punica granatum</i> L.
Shi Long Nei	<i>Ranunculus sceleratus</i> L.
Shi Luo	<i>Anethum graveoleus</i> L.
Shi Mu Zi	<i>Urtica laetevirens</i> Maxim.
Shi Nan Ye	<i>Photinia serrulata</i> Lindl.
Shi Shan	<i>Hyperzia serrata</i> (Thunb.) Trev.
Shi Shang Bai	<i>Selaginella doederleinii</i> Heironyus
Shi Sheng Yu	<i>Bistorta lapidosa</i> Kitag., <i>Polygonum lapidosum</i> Kitag.
Shi Song	<i>Lycopus lucidus</i> Turcz., <i>L. ramosissimus</i> (Makino) Makino var. <i>japonicus</i> (Matsum et Kudo) Kitam., <i>L. parviflorus</i> Maxim., <i>L. lucidus</i> Turcz. f. <i>hirtus</i> (Regel) Kitag., <i>L. maackianus</i> (Maxim.) Makino
Shi Suan	<i>Lycoris radiata</i> (L'Her.) Herb., <i>L. longituba</i> Y. Han et Fan., <i>L. aura</i> (L'Her.) Herb.
Shi Suan Hua	<i>Hippeastrum hybridum</i> Hortorum

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Shi Wei	<i>Pyrosia lingua</i> (Thunb.) Farwell, <i>P. shearereri</i> (Baker) Ching, <i>P. petiolosa</i>
Shi Wu Tou	<i>Centipeda minima</i> (L.) A. Braun. et Ascherison
Shi Zhu Yu	<i>Zanthoxylum ailanthoides</i> Sieb. et Zucc.
Shi Zi	<i>Diospyros lotus</i> L., <i>D. kaki</i> L., <i>D. roxburgii</i> Carr., <i>D. chinensis</i> Blume, <i>D. costata</i> Carr.
Shong Jie Fong	<i>Sarcandra glabra</i>
Shu Gi	<i>Ardisia sieboldii</i> Miq.
Shu Li	<i>Rhamnus davurica</i> Pall., <i>R. parvifolia</i> Bunge., <i>R. davurica</i> Pall. var. <i>nipponica</i> Makino
Shu Liang	<i>Dioscorea cirrhosa</i> , <i>D. japonica</i> Thunb., <i>D. hispida</i> Dennst.
Shu Long	<i>Pyrosia adnascens</i> (Sw.) Ching
Shu Qu Cao	<i>Gnaphalium affine</i> L., <i>G. multiceps</i> Wall., <i>G. confusum</i> DC, <i>G. luteo-album</i> L. var. <i>multiceps</i> Hook, <i>G. arenarium</i> Thunb., <i>G. ramigerum</i> DC, <i>G. javanum</i> DC, <i>G. uliginosum</i> L., <i>G. tranzschelii</i> Kirpicznikov
Shu Shu	<i>Manihot esculenta</i> Crantz.
Shu Yu	<i>Dioscorea batatas</i> Decaisue
Shuang Mian Ci	<i>Zanthoxylum nitidum</i> (Roxb.) DC
Shui Cai	<i>Menyanthes trifoliata</i> L.
Shui Fei Ji	<i>Silybum marianum</i> (L.) Gaertn.
Shui Gui Jiao	<i>Hymenocallis speciosa</i> Salisbury
Shui Hong Cao	<i>Polygonum orientale</i> L.
Shui Huang Pi	<i>Pongamia pinnata</i> (L.) Pierre ex Merrill.
Shui Jin	<i>Oenothera javanica</i> (Bl) DC
Shui Ku Shi	<i>Veronica anagallis-aquatica</i> L., <i>V. anagallis-aquatica</i> L. f. <i>pumila</i> Kitag.
Shui Lian	<i>Nymphaea tetragona</i> Georgi, <i>N. tetragona</i> Georgi var. <i>crasifolia</i> (Hand. Mazz.) Y. C. Chu
Shui Man Chin	<i>Veronica linariaefolia</i> Pall. ex Link, <i>V. linariaefolia</i> Pall. ex Link subsp. <i>dilatata</i> (Nakai et Kitag.) Hong
Shui Shai	<i>Narcissus tazetta</i> L. var. <i>Chinensis</i> Roem.
Shui Shai Gen	<i>Narcissus tazetta</i> L. var. <i>Chinensis</i> Roem.
Shui Shai Gen	<i>Polygonum narcissus</i>
Shui Su	<i>Stachys chinensis</i> Bunge. ex Benth., <i>S. japonica</i> Miq., <i>S. baicalensis</i> Fisch. ex Benth., <i>S. baicalensis</i> Fisch. ex Benth. var. <i>angustifolia</i> Honda
Shui Tuan Hua	<i>Adina ratemosa</i> (Sieb. et Zucc.) Miquel

Shui Xian Cao	<i>Hedyotis corymbosa</i> (L.) Lamarck.
Shui Yang Mei	<i>Geum aleppicum</i> Jacquin f. <i>glabricaule</i> (Juzepczuk) Kitag., <i>G. aleppicum</i> Jacquin
Shui Yang Mei Gen	<i>Adina rubella</i> Hance
Shui Yu	<i>Sorbus alnifolia</i> (Sieb. & Zucc.) K. Koch, <i>S. amurensis</i> Koehne, <i>S. alnifolia</i> (Sieb. & Zucc.) K. Koch var. <i>lobulata</i> Rehd., <i>S. pohuashanensis</i> (Hance) Hedl. var. <i>manshuriensis</i> (Kitag.) Y. C. Chu.
Shun	<i>Cunninghamia lanceolata</i> (Lamb.) Hooker
Si Gua	<i>Citrullus edulis</i> Spach., <i>C. anguria</i> Duch., <i>C. lanatus</i> Matsumura & Nakai, <i>C. vulgaris</i> Schrad.
Si Yang Bai Hua Cai	<i>Cleome spinosa</i> Jacquin
Si Yang Seng	<i>Panax quinquefolium</i> L.
Si Ye Huang Yang	<i>Buxus harlandii</i> Hance
Si Ye Lian	<i>Chloranthus oldhami</i> Solms.
Si Ye Lu	<i>Galium bungei</i> Stead.
Si Zhao Hua	<i>Cornus kousa</i> Hance, <i>C. alba</i> L.
Siang Si Zi	<i>Abrus precatorius</i> L.
Sien Feng Cao	<i>Bidens pilosa</i> L. var. <i>minor</i> (Blume) Sherff.
Song Ji Shang	<i>Loranthus parasiticus</i> , <i>L. yadoriki</i> Sieb. et Zucc.
Song Lo	<i>Usnea longissima</i> Acharius
Song Ta	<i>Pinus bungeana</i> Zucc. ex Endl., <i>P. koraiensis</i> Sieb. et Zucc., <i>P. tabulaeformis</i> Carr., <i>P. densiflora</i> Sieb. et Zucc., <i>P. sylvestris</i> L. var. <i>mongolica</i> Litv., <i>P. sylvestris</i> L. var. <i>sylvestriformis</i> (Takenouchi) Cheng et C. D. Chu
Song Ye Mo	<i>Portulaca grandiflora</i> Hooker
Su Cao	<i>Polygala japonica</i> Houtt., <i>P. sibirica</i> L., <i>P. tatarinowii</i> Regel.
Su Mu	<i>Caesalpinia sappan</i> L.
Su Yang	<i>Cynomorium songaricum</i> L., <i>C. coccineum</i> L.
Suan Cheng	<i>Citrus aurantium</i> (Christm.) Swingle var. <i>amara</i>
Suan Mo	<i>Rumex acetosa</i> L., <i>R. marschallianus</i> Rehb., <i>R. acetosella</i> L., <i>R. aquaticus</i> L., <i>R. gmelini</i> Turcz., <i>R. longifolius</i> DC, <i>R. maritimus</i> L., <i>R. stenophyllus</i> Ledeb. var. <i>ussuriensis</i> (A. Los.) Kitag., <i>R. amurensis</i> Fr. Schm., <i>R. thyrsiflorus</i> Fingerh.
Suan Zao	<i>Ziziphus jujuba</i> Mill., <i>Z. spinosa</i>
Suan Zao Ren	<i>Z. jujuba</i> Mill.
Sui Me Chai	<i>Desmodium microphyllum</i> (Thunb.) DC

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Sui Mi Jie	<i>Cardamine lyrata</i> Bunge., <i>C. leucantha</i> (Tausch.) O. E. Schulz.
Sun Cha	<i>Clerodendrum spicatus</i> (Thunb.) C. Y. Wu
Suo Lou Zi	<i>Aesculus chinensis</i> L., <i>A. hippocastanum</i> L.
Tai Huang	<i>Rheum officinale</i> Baill., <i>R. undulatum</i> L., <i>R. palmatum</i> L.
Tai Zi Shen	<i>Pseudostellaria heterophylla</i> (Miq.)
Tan Seng	<i>Salvia miltiorhiza</i> Bunge
Tan Xian	<i>Santalum album</i> L., <i>S. myrtifolium</i> Roxb., <i>S. verum</i> L.
Tang Jie	<i>Erysimum cheiranthoides</i> L., <i>E. amurense</i> Kitag. var. <i>bungei</i> (Kitag.) Kitag.
Tang Song Cao	<i>Thalictrum aquilegifolium</i> L. var. <i>sibiricum</i> Regel & Tiling, <i>T. fauriei</i> Hayata, <i>T. glandulissimum</i> , <i>T. petaloideum</i> L., <i>T. baicalense</i> Turcz., <i>T. petaloideum</i> L. var. <i>supradecompositum</i> (Nakai) Kitag., <i>T. squarrosum</i> Steph. ex Willd., <i>T. simplex</i> L. var. <i>brevipes</i> Hara, <i>T. simplex</i> L. var. <i>affine</i> (Ledeb.) Regel, <i>T. simplex</i> L., <i>T. thunbergii</i> DC, <i>T. baicalense</i> Turcz. f. <i>levicarpum</i> Tamura
Tang Song Cao (Taiwan)	<i>Thalictrum foetidum</i> L.
Ten Min Qing	<i>Carpesium abrotanoides</i> L., <i>C. athunbergianum</i> Sieb. et Zucc.
Teng Hu Tin Chi	<i>Elaeagnus glabra</i> Thunb.
Tian Bao Cao	<i>Hypericum sumpsonii</i> Hance
Tian Cai	<i>Artemisia lactiflora</i> Wallich
Tian Hua Fen	<i>Trichosanthes kirilowii</i> Maxim.
Tian Ja Cai	<i>Elephantopus scaber</i> L.
Tian Jiu	<i>Stevia rebaudiana</i> (Bertoni) Hemsl.
Tian Kui Zi	<i>Semiaquilegia adoxoides</i> (DC) Mak.
Tian Ma	<i>Gastrodia elata</i> Blume f. <i>pallens</i> (Kitaiig.) Tuyama, <i>G. elata</i> Blume
Tian Men Dong	<i>Asparagus cochinchinensis</i> (Lour.) Merr., <i>A. falcatus</i> Benth, <i>A. insularis</i> Hance, <i>A. lucidus</i> Lindl., <i>A. officinalis</i> L.
Tian Nan Xing	<i>Arisaema amurense</i> Maxim., <i>A. peninsulae</i> Y. C. Chu et D. C. Wu, <i>A. peninsulae</i> Nakai, <i>A. heterophyllum</i> Blume, <i>A. erubescens</i> (Wall.) Schott., <i>A. consanguineum</i> , <i>A. amurense</i> Maxim. f. <i>purpureum</i> (Nakai) Kitag., <i>A. amurense</i> Maxim. f. <i>serratum</i> (Nakai) Kitag., <i>A. thunbergii</i> Blume, <i>A. amurense</i> Maxim. f. <i>violaceum</i> (Engler) Kitag.
Tian Peng Cao	<i>Stellaria alsine</i> Grimm var. <i>undulata</i> (Thunb.) Ohwi
Tian Qi	<i>Panax notoginseng</i> (Burk) F. H. Chen
Tian Qing	<i>Sesbinia javanica</i> (L.) Persoon

Tian Xuan Hua	<i>Convolvulus arvensis</i> L.
Tian We Cao	<i>Spilanthes acmella</i> (L.) Murray
Tian Zhu Cao	<i>Scoparia dulcis</i> L.
Tie Dao Mu	<i>Cassia siamea</i> Lamark
Tie Shu	<i>Cycas revoluta</i> Thunb.
Tie Xian Cai	<i>Acacia australis</i>
Tie Xian Cao	<i>Cynodon dactylon</i> (L.) Persoon
Tie Xian Jiu	<i>Adiantum boreale</i> Presl., <i>A. pedatum</i> L., <i>A. capillus-junonis</i> Rupr.
Tie Xian Lian	<i>Clematis intricata</i> Bunge., <i>C. mandshurica</i> Rupr.
Ting Li Zi	<i>Draba nemorosa</i> L.
Tong Guan Teng	<i>Marsdenia tenacissima</i>
Tou Gu Cao	<i>Impatiens balsamina</i> L., <i>I. noli-tangere</i> L., <i>I. textori</i> Miq.
Tou Ren	<i>Prunus persica</i> (L.) Batsch.
Tu Er Cao	<i>Blumea hieraciifolia</i> (D. Don) DC
Tu Fang Ji	<i>Paracyclea insularis</i> Kudo et Yamamoto
Tu Fang Ji (Taiwan)	<i>Paracyclea ochiaiana</i> Kudo et Yamamoto
Tu Gu Ling	<i>Smilax china</i> L., <i>S. riparia</i> DC subsp. <i>ussuriensi</i> (Regel) Kitag., <i>S. sieboldii</i> Miq., <i>S. nipponica</i> Miq. subsp. <i>manshurica</i> Kitag.
Tu Hung Hua	<i>Callicarpa formosana</i> Rolfe.
Tu Niu Teng	<i>Achyranthes asperia</i> L. var. <i>indica</i> L.
Tu Ren Shen	<i>Taliumn triangulare</i> Willd.
Tu Si Zi	<i>Cuscuta chinensis</i> Lam., <i>C. lupuliformis</i> Krocke, <i>C. japonica</i> Choisy, <i>C. europaea</i> L.
Tu Soon	<i>Juniperus rigida</i> Sieb. et Zucc., <i>J. rigida</i> Sieb. et Zucc. f. <i>modesta</i> (Nakai) Y. C. Chu
Tu Tai Huang	<i>Rumex patientia</i> L. var. <i>callosus</i> Fr. Schm.
Tu Wei Cao	<i>Uraria lagopodiodes</i> (L.) Dexvaux
Tu Xian	<i>Ledum palustre</i> L. subsp. <i>decumbens</i> (Aiton) Hulten
Wan Shou Jiu	<i>Tagetes patula</i> L.
Wang Bu Liu Xing	<i>Saponaria officinalis</i> L., <i>S. vaccaria</i> L., <i>Vaccaria segetalis</i> (Neck.) Garcke
Wang Jiang Nan	<i>Cassia tora</i> L., <i>C. occidentalis</i> L.

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Wei Ling Cai	<i>Potentilla bifurca</i> L. var. <i>canescens</i> Bong. et Mey., <i>P. bifurca</i> L. var. <i>glabrata</i> Lehm., <i>P. kleiniana</i> Wight & Arnott var. <i>robusta</i> (Franch. & Savat.) Kitag., <i>P. fragarioides</i> L. var. <i>major</i> Maxim., <i>P. discolor</i> Bunge., <i>P. fragarioides</i> L., <i>P. freyaiana</i> Bornmuller, <i>P. chinensis</i> Seringe
Wei Ling Xian	<i>Clematis florida</i> Thunb., <i>C. sinensis</i> Lour., <i>C. hexapetala</i> Pall. f. <i>longiloba</i> (Freyn) S. H. Li et Y. H. Huang, <i>C. minor</i> Lour., <i>C. terniflora</i> DC, <i>C. chinensis</i> Retz., <i>C. hexapetala</i> Pall.
Wei Mao	<i>Evonymus alatus</i> Regel <i>E. alatus</i> (Thunb.) Sieb., <i>E. maackii</i> Rupr., <i>E. bungeanus</i> Maxim., <i>E. alatus</i> Regel, <i>E. alatus</i> (Thunb.) Sieb. var. <i>apterus</i> Regel, <i>E. thunbergianus</i> Blume, <i>E. subtriflorus</i> Blume, <i>Celastrus alatus</i> Thunb., <i>C. striatus</i> Thunb.
Wei Sui Xian	<i>Amaranthus caudatus</i> L.
Wei Yan Xian	<i>Caulophyllum robustum</i> Maxim.
Wo Seng	<i>Anthriscus aemula</i> (Woron.) Schischk., <i>A. aemula</i> (Woron.) Schischk. f. <i>hirtifructa</i> (Ohwi) Kitag.
Wo Zu	<i>Curcuma zedoaria</i> (Christ.) Roscoe
Won Nian Qing	<i>Rhodea japonica</i>
Wu An	<i>Coriandrum sativum</i> L.
Wu Bei Zi	<i>Rhus chinensis</i> Mill., <i>R. cotinus</i> L., <i>R. javanica</i> L., <i>R. osbeckii</i> Decne.
Wu Fan Shu	<i>Vaccinium bracteatum</i> Thunb., <i>V. vitis-idaea</i> L.
Wu Gan	<i>Iris lactea</i> Pall. subsp. <i>chinensis</i> (Fisch.) Kitag.
Wu Gong	<i>Scolopendrium subspinipes</i> , <i>Phyllitis scolopendrium</i> (L.) Newm., <i>P. scolopendrium</i> (L.) Newm.
Wu Hua Go	<i>Ficus carica</i> L.
Wu Huan Shu	<i>Sapindus mukorossi</i> Gaertner
Wu Jia Pi	<i>Acanthopanax gracilistylus</i> , <i>A. spinosum</i> Miq.
Wu Jiu	<i>Sapium sebiferum</i> (L.) Roxb.
Wu Ju	<i>Sphenomeris chusana</i> (L.) Copel.
Wu Ma	<i>Sessamum indicum</i> L.
Wu Mai	<i>Prunus mume</i> (Sieb.) Sieb. et Zucc.
Wu Ru Ba	<i>Trigonella foenum-graecum</i> L.
Wu Song Ju	<i>Pueraria vittata</i> L.

Wu Tao	<i>Aconitum balfourii</i> Stapf., <i>A. koreanum</i> R. Raymund, <i>A. volubile</i> Pall. ex Koelle var. <i>oligotrichum</i> Kitag., <i>A. carmichaelii</i> Debeaux, <i>A. praeparata</i> , <i>A. jaluense</i> Kom. F. glabrescens (Nakai) Kitag., <i>A. fischeri</i> Reichb., <i>A. deinorrhizum</i> Stapf., <i>A. chasmanthum</i> Stapf., <i>A. napellus</i> L.
Wu Tong	<i>Firmiana simplex</i> (L.) W. F. Wight
Wu Wei Zi	<i>Schisandra chinensis</i> (Turcz.) Baill.
Wu Wei Zi (Taiwan)	<i>S. arisanensis</i> Hayata
Wu Yao	<i>Daphnidium myrrha</i> Sieb. et Zucc., <i>D. strychnifolius</i> Sieb. et Zucc., <i>Lindera strychnifolia</i> Vill.
Wu Zhao Jin Long	<i>Ipomoea cairica</i> (L.) Sweet
Wu Zhu Yu	<i>Evodia rutaecarpa</i> (Juss.) Berth
Xi Sheng Teng	<i>Cissampelos pareira</i> L.
Xi Shin	<i>Hepatica asiatica</i> Nakai
Xi Shu	<i>Camptotheca acuminata</i> Decne.
Xi Xin	<i>Asarum canadense</i> L., <i>A. terotropoides</i> Fr. Schmidt var. <i>mandshuricum</i> (Maxim.) Kitag., <i>A. sieboldii</i> Miq., <i>A. heterotropoides</i> Fr. Schmidt var. <i>seouleuse</i> (Nakai) Kitag.
Xi Ye Sha Seng	<i>Wahlenbergia marginata</i> (Thunb.) A. DC
Xi Ye Zhu Chi Cao	<i>Phyllanthus virgatus</i> Forster
Xia Ku Chao	<i>Prunella vulgaris</i> L.
Xia Tian Wu	<i>Corydalis decumbens</i> (Thunb.) Pers.
Xian	<i>Armeniacca ansu</i> (Maxim.) Kostina, <i>A. mandshurica</i> (Maxim.) Skvortzov, <i>A. sibirica</i> (L.) Lam., <i>A. vulgaris</i> Lam.
Xian He Cao	<i>Agrimonia eupatoria</i> L., <i>A. pilosa</i> Ledeb., <i>A. pilosa</i> Ledeb. var. <i>japonica</i> (Miq.) Nakai, <i>A. pilosa</i> Ledeb. var. <i>viscidula</i> (Bunge.) Kom., <i>A. viscidula</i> Bunge.
Xian Mao	<i>Curculigo stans</i> Labill., <i>C. ensifolia</i> R. Br., <i>C. malabarica</i> Labill., <i>C. orchiodes</i> gaertn., <i>Cymbopogon nardus</i> Rendle
Xian Xia Hua	<i>Vernonia patula</i> (Ait.) Merr.
Xian Ye Shu	<i>Lindera communis</i> Hemsley
Xiang Fu	<i>Cyperus rotundus</i> L.
Xiang Jiao	<i>Musa paradisiaca</i> L. var. <i>sapientum</i> O. Ktze.
Xiang Si Shu	<i>Acacia confusa</i> Merrili
Xiang Tian Huang	<i>Cleome viscosa</i> L.
Xiang Xu	<i>Elsholtzia souliei</i> Lev., <i>E. feddei</i> Lev., <i>E. cristata</i> Willd., <i>E. argyi</i> Lev., <i>Hyssopus ocyimifolius</i> Lam., <i>Perilla frutescens</i> (L.) Britt., <i>P. polystachya</i> D. Don (Syn. <i>Elsholtzia cristata</i>), <i>P. ocymoides</i> L. var. <i>crispata</i> Benth., <i>P. ocymoides</i> L.

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Xiao Fei Yang Cao	<i>Euphorbia thymifolia</i> L.
Xiao Hui Xiang	<i>Foeniculum vulgare</i> Mill., <i>F. officinale</i> All.
Xiao Ji	<i>Cirsium japonicum</i> DC, <i>C. setosum</i> (Willd.) Bieb., <i>C. littorale</i> Max., <i>C. albescens</i> Kitamura, <i>C. segetum</i> Bunge., <i>C. vlassovianum</i> Fisch. ex DC, <i>C. maakii</i> Max., <i>C. brevicaulis</i> A. Grey, <i>Carduus acaulis</i> Thunb., <i>C. japonicus</i> Franch., <i>C. crispus</i> L., <i>Cephalanoplos segetum</i>
Xiao Shan Ju	<i>Glycosmis cochinchinensis</i> Pierre
Xiao Ye Yang Jiao Teng	<i>Morinda parvifolia</i> Bartling
Xiao Yeh	<i>Berberis amurensis</i> Rupr., <i>B. sibirica</i> Pall., <i>B. poiretii</i> Schneid, <i>B. soulieana</i> C. K. Schneid
Xiao Ying Qie	<i>Solanum aculeatissimum</i> Jacquin
Xin Yi	<i>Magnolia biloba</i> Cheng, <i>M. discolor</i> Vent., <i>M. denudata</i> Desr., <i>M. purpurea</i> Curt.
Xing Ren	<i>Prunus armeniaca</i> L.
Xiu Qiu	<i>Hydrangea macrophylla</i> (Thunb.) Seringe
Xiu Xian Jiu	<i>Spiraea salicifolia</i> L., <i>S. salicifolia</i> L. var. <i>grosseserrata</i> Liou & Liou fil., <i>S. salicifolia</i> L. var. <i>oligodonta</i> Yu
Xu Chang Qing	<i>Cynanchum paniculatum</i> L.
Xu Duan	<i>Dipsacus asper</i> Wall.
Xu Sui Zi	<i>Euphorbia lathyris</i> L., <i>E. lucorum</i> Rupr.
Xuan Fu Hua	<i>Inula britannica</i> L., <i>I. japonica</i> Thunb., <i>I. salsoloides</i> (Turcz.) Ostenfeld, <i>I. linariaefolia</i> Turcz., <i>I. linariaefolia</i> Turcz. f. <i>simplex</i> Kom.
Xuan Mu Gua	<i>Chaenomeles speciosa</i> (Sweet) Nakai, <i>C. sinensis</i> Koch., <i>Cydonia sinensis</i> Thou.
Xuan Seng	<i>Scrophularia buergeriana</i> Miq., <i>S. puergeriana</i> Miq., <i>S. kakudensis</i> Franch var. <i>latisepala</i> (Kitag.) Kitag., <i>S. oldhami</i> Oliv., <i>S. ningpoensis</i> Hemsl.
Xue Jian Chou	<i>Aquilegia buergeriana</i> Sieb. et Zucc. f. <i>pallidiflora</i> (Nakai) Kitag., <i>A. parviflora</i> Ledeb., <i>A. buergeriana</i> Sieb. et Zucc. var. <i>oxysepala</i> (Trautv. Et Mey.) Kitam.
Xue Jie	<i>Daemonorops draco</i> Blume.
Xue Shang Yi Zhi Hao	<i>Aconitum barbatum</i> Persoon
Ya Dan Zi	<i>Brucea javanica</i> (L.) Merrill, <i>B. sumatrana</i> Roxb.
Ya Er Qin	<i>Cryptotaenia canadensis</i> (L.) DC
Ya Ma	<i>Linum stelleroides</i> Planch., <i>L. usitatissimum</i> L., <i>Commelina communis</i> L.
Yan Cao	<i>Nicotiana tabacum</i> L.

Yan Hu Suo	<i>Corydalis yanhusuo</i> W. T. Wang ex Z. Y. Su et C. Y. Wu, <i>C. turtschaninovii</i> Besser Bess. f. <i>yanhusa</i> , <i>C. incisa</i> (Thunb.) Pers., <i>C. repens</i> Mandl. et Muehld. var. <i>watnabei</i> (Kitag.) Y. C. Chu, <i>C. ambigua</i> Cham. et Schlecht. var. <i>amurensis</i> Maxim.
Yan Jie Cao	<i>Ophiopogon japonicus</i> Wall.
Yang Gan Jiu	<i>Matricaria chamomilla</i> L.
Yang Guo Nau	<i>Strophanthus divaricatus</i> (Lour.) Hook & Arn.
Yang Lu	<i>Codonopsis lanceolata</i> (Sieb. et Zucc.) Trautv.
Yang Lu Kui	<i>Anredera cordifolia</i> (Tenore) Van Steen
Yang Ti Gen	<i>Rumex crispus</i> L., <i>R. japonicus</i>
Yang Yu Lan	<i>Magnolia grandiflora</i> L.
Yang Zhi Zu	<i>Rhododendron sinensis</i> Sw., <i>Azalea japonica</i> A. Gray, <i>A. pontica</i> var. <i>sinensis</i> Lindl., <i>A. mollis</i> Blume
Yao Jiu Hua	<i>Chrysanthemum procumbens</i> Lour., <i>C. indicum</i> L., <i>C. lavandulaefolium</i> , <i>C. tripartitum</i> Sw.
Ye Bai He	<i>Crotalaria sessiliflora</i> L.
Ye Da Dou	<i>Glycine soja</i> Sieb. & Zucc.
Ye Dou Gen	<i>Menispermum dauricum</i> L.
Ye Gan Zi	<i>Phyllanthus emblica</i> L.
Ye Guan Men	<i>Lespedeza cuneata</i> G. Don
Ye He Hua	<i>Magnolia coco</i> (Lour.) DC
Ye Lu Kui	<i>Melochia corchorifolia</i> L.
Ye Mu Gua	<i>Stauntonia hexaphylla</i> Dence
Ye Wo	<i>Carum carvi</i> L.
Ye Wu Tong	<i>Mallotus japonicus</i> (Thunb.) Muell.
Ye Yen Me	<i>Avena fatua</i> L.
Yen Lin Cao	<i>Trillium camschatcense</i> Ker-Gawler
Yen Xing	<i>Ginkgo biloba</i> L.
Yeu Je Hua	<i>Rosa chinensis</i> Jacq., <i>R. indica</i> Lindl.
Yi Dian Hong	<i>Nervilia purpurea</i> (Hayata) Schltr.
Yi Mu Cao	<i>Leonurus heterophyllus</i> , <i>L. japonicus</i> Houttuyn., <i>L. macranthus</i> Maxim., <i>L. mongolicus</i> V. Kreczet. et Kupr., <i>L. pseudo-macranthus</i> Kitag.
Yi Nian Pon	<i>Erigeron annuus</i> (L.) Persoon

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Yi Wu	<i>Elaeagnus oldhumii</i> Maixmowicz
Yi Ye Chan	<i>Securinega suffruticosa</i> (Pall.) Rehd.
Yi Yi	<i>Coix chinensis</i> Tod, <i>C. agrestis</i> Lour., <i>C. lachryma</i> L., <i>C. lachryma-jobi</i> L. var. <i>ma-yuen</i> (Roman) Stapf
Yi Zhi	<i>Alpinia oxyphylla</i> Miq.
Yi Zhi Huang Hua	<i>Solidago dahurica</i> (Kitag.) Kitag., <i>S. virgaurea</i> L., <i>S. pacifica</i> Juzepczuk.
Yi Zhi Huang Hua (N. Am.)	<i>S. canadensis</i> L.
Yi Zhi Jian	<i>Ophioglossum vulgatum</i> L.
Yi Zhi Zi	<i>Elettaria cardamomum</i> Maton.
Yie Huang Hua	<i>Patrina scabiosaefolia</i> Fisch. ex Link.
Yie Mian Hua	<i>Anemone vitifolia</i> (Buch. Ham.) Nakai
Yie Pu Tao Teng	<i>Ampelopsis brevipedunculata</i> (Maxim.) Trautv.
Yie Xiz Zhu	<i>Phyllanthus urinaria</i> L.
Yin Bai Yang	<i>Populus alba</i> L., <i>P. davidiana</i> Dode, <i>P. tomentosa</i> Carr.
Yin Cao	<i>Primula sieboldii</i> E. Morren var. <i>patens</i> (Turcz.) Kitag., <i>P. asiatica</i> Nakai f. <i>albiflora</i> (Koidz.) Kitag., <i>P. asiatica</i> Nakai f. <i>lilacina</i> (Nakai) Kitag., <i>P. vulgaris</i> L., <i>P. asiatica</i> Nakai
Yin Chen	<i>Artemisia capillaris</i> Thunb.
Yin He Huan	<i>Leucaena leucocephala</i> (Lam.) De Wit
Yin Lian Hua	<i>Anemone raddeana</i> Regel
Ying Chun Hua	<i>Jasminum mesnyi</i> Hance, <i>J. nudiflorum</i> Lindley
Ying Su	<i>Papaver amurense</i> (N. Busch) N. Busch ex Tolmatchev., <i>P. nudicaule</i> L., <i>P. radicatum</i> Rottb. var. <i>pseudoradicatum</i> (Kitag.) Kitag.
You Tong	<i>Aleurites fordii</i> Hemsl.
Yu Bai	<i>Lycopus obscurum</i> L.
Yu Bai Pi	<i>Ulmus campestris</i> L.
Yu Dei Mei	<i>Hoya carnosa</i> (L. F.) R. Brown
Yu Jin	<i>Curcuma aromatica</i> , <i>C. longa</i> L.
Yu Jin Xian	<i>Tulipa gesneriana</i> L.
Yu Lee Ren	<i>Prunus domestica</i> L., <i>P. glandulosa</i> Thunb., <i>P. japonic</i> Thunb.

Yu Ma	<i>Urtica angustifolia</i> Fisch. ex Hornem., <i>U. urens</i> L., <i>U. cannabina</i> L. f. <i>angustiloba</i> Chu, <i>U. lobata</i> L., <i>U. tenacissima</i> Roxb., <i>U. utillis</i> Hort., <i>U. cannabina</i> L., <i>Boehmeria nivea</i> Gaudich.
Yu Ma Gen	<i>Boehmeria tenacissima</i> Gaudick
Yu Mei Ku	<i>Papaver somniferum</i> L.
Yu Mi Xu	<i>Zea mays</i> L.
Yu Shan Dou	<i>Lupinus luteus</i> L.
Yu Shan Shi Song	<i>Lycopus veitchii</i> Christ.
Yu Xing Cao	<i>Houttynia cordata</i> Thunb.
Yu Ye Jin Hua	<i>Mussaenda parviflora</i> Miq.
Yuan Bai	<i>Sabina chinensis</i> (L.) Antoine
Yuan Hua	<i>Daphne fortunei</i> Lindl., <i>D. genkwa</i> Sieb. et Zucc.
Yuan Jin Gan	<i>Fortunella japonica</i> (Thunb.) Swin.
Yuan Xi Huang San	<i>Allamanda cathatica</i> L.
Yuan Zhi	<i>Polygala tenuifolia</i> Willd.
Yue Tao	<i>Alpinia japonica</i> Miq.
Yun Shi	<i>Caesalpinia decapetula</i> (Roth.) Alston
Yun Xian Cao	<i>Cymbopogon goeringii</i> (Steud.) A. Camus, <i>C. distans</i> (Nees ex Steud.) J. F. Watson
Zao Ci	<i>Gleditschia sinensis</i> Lam, <i>G. xylocarpa</i> Hance, <i>G. horrida</i> Willd.
Zao Zhui	<i>Arenaria juncea</i> Bieb., <i>A. juncea</i> Bieb. var. <i>abbreviata</i> Kitag., <i>A. juncea</i> Bieb. var. <i>glabra</i> Regel, <i>A. serpyllifolia</i> L.
Ze Lan	<i>Arethusa japonica</i> A. Gr.
Ze Qi	<i>Euphorbia esula</i> L.
Ze Xie	<i>Alisma cordifolia</i> Thunb., <i>A. plantago</i> L., <i>A. plantago-aquatica</i> L., <i>A. orientalis</i> (Sam.) Juzep.
Zhang Shu	<i>Atractylis chinensis</i> DC, <i>A. ovata</i> Thunb., <i>A. lyrata</i> Sieb. et Zucc., <i>A. lancea</i> Thunb.
Zhe Gu Cai	<i>Calloglossa leprieurii</i> (Mont.) J. Ag.
Zhen	<i>Corylus mandshurica</i> Maxim. ex Rupr. f. <i>brevituba</i> (Kom.) Kitag., <i>C. heterophylla</i> Fisch. ex Besser, <i>C. mandshurica</i> Maxim. ex Rupr.
Zhi	<i>Gardenia maruba</i> Sieb., <i>G. florida</i> L., <i>G. grandiflora</i> Sieb. et Zucc., <i>G. jasminoides</i> Ellis, <i>G. pictorum</i> Hassk., <i>G. radicans</i> Thunb.
Zhi Bei Zi	<i>Hovenia dulcis</i> Thunb.
Zhi Jia Hua	<i>Lawsonia inermis</i> L.

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Zhi Jin Niu	<i>Ardisia quinquegona</i> (Blume) Nakai
Zhi Mu	<i>Anemarrhena asphodeloides</i> Bunge.
Zhi Wen	<i>Aster tataricus</i> L.
Zhou Sho	<i>Paris polyphylla</i> Smith, <i>P. quadrifolia</i> L.
Zhu Cao	<i>Lithospermum erythrorhizon</i> Sieb. et Zucc.
Zhu Chun Hua	<i>Salvia coccinea</i> L.
Zhu Je Seng	<i>Panax japonicum</i> C. A. Meyer
Zhu Jin	<i>Hibiscus rosa-sinensis</i> L.
Zhu Ling	<i>Polyporus umbellatus</i>
Zhu Long Cao	<i>Nepenthes raffsiana</i> Masilus
Zhu Mao Chao	<i>Salsola collina</i>
Zhu Shan	<i>Taxus cuspidata</i> Sieb. et Zucc.
Zhu Shi Tou	<i>Crotalaria mucronata</i> Desv.
Zhu Wei	<i>Campsis adrepens</i> Lour., <i>C. grandiflora</i> (Thunb.) Loiseleur, <i>C. chinensis</i> Voss.
Zhu Wei	<i>Bignonia grandiflora</i> Thunb.
Zhu Ye Lan	<i>Arundina graminifolia</i> (D. Don) Hochrentiner
Zhu Yin Yin	<i>Galium spurium</i> L.
Zhu Zi Cao	<i>Phyllanthus niruri</i> Li, <i>P. reticulatus</i> Poirlet
Zi Bei Cao	<i>Emilia sonchifolia</i> (L.) DC
Zi Cao	<i>Arnebia euchroma</i>
Zi Duan	<i>Tilia amurensis</i> Rupr., <i>T. mongolica</i> Maxim., <i>T. mandshurica</i> Rupr. & Maxim.
Zi Jin Pi	<i>Tripterygium hypoglaucum</i>
Zi Kee Guan Zhong	<i>Osmunda japonica</i> L.
Zi Lan	<i>Eupatorium chinense</i> L. var. <i>simplicifolium</i> (Malcino) Kitam., <i>E. lindleyanum</i> DC
Zi Su	<i>Perilla arguta</i> Benth.
Zi Teng	<i>Wisteria sinensis</i> (Sims) Sweet
Zi Wei Hua	<i>Bignonia grandiflora</i> Thunb., <i>B. chinensis</i> Lam., <i>Campsis chinensis</i> Voss.

Zi Yu	<i>Sanguisorba officinalis</i> L., <i>S. grandiflora</i> (Maxim.) Makino, <i>S. officinalis</i> L. var. <i>longa</i> Kitag., <i>S. officinalis</i> L. var. <i>longa</i> Kitag. f. <i>dilutiflora</i> Kitag., <i>S. parviflora</i> (Maxim.) Takeda, <i>S. officinalis</i> L., <i>S. officinalis</i> L. f. <i>latifoliata</i> (Liou et C. Y. Li) Y. C. Chu, <i>S. x tenuifolia</i> Fisch. ex Link
Zi Zhu Cao	<i>Callicarpa macrophylla</i> L.
Ziang Jia Pi	<i>Periploca sepium</i> Berge.
Zong Lu	<i>Trachycarpus wagnerianus</i> Beccari
Zong Shi	<i>Lappa communis</i> Coss et Germ., <i>L. minor</i> DC, <i>L. major</i> Gaerth., <i>L. edulis</i> Sieb.
Zu Si Ma	<i>Daphne giraldii</i> Nitsche, <i>D. gurakduu</i> Nitsche, <i>D. retusa</i> Hemsl., <i>D. tangutica</i> Maxim.
Zuo Yie He Cao	<i>Cotyledon malaacophylla</i> Pall., <i>C. fimbriatum</i> Turcz.

APPENDIX 2

Major Chemical Components and Their Sources in Chinese Medicinal Herbs

Component

(+)-5,17-dehydromatine N-oxide
(-)-12-cytisineacetic acid
1,8-cineol

1-acetyl-4-isopropylidenecyclopentene
10-deacetylbaocatin
10-hydroxycamptothecin
12-benzoydaphnetoxin
2'-deoxyadenosine
2-hydroxyphenylacetic acid
2-methyl-1,2,3,4-tetrahydro- β -carboline
2-o-caffeoylarbutin
22E-dehydroclerosterol
2,4-dichloro-6-aminopyridine
2,4,4',t-tetrahydroxybenzophenone
24alpha-epimer stigmasterol
24alpha-ethyl-5alpha-cholest
24beta-epimer poriferasterol
24beta-methylcholesta
25-D-spirosta-3,5-diene
2,6-dimethoxy-p-benzo-quinone
2,6-nonadienol
3".4"-O-diacetylfazelin
3'-angeloyloxy-4'-isovaleroyloxy
3-(4-hydroxyphenyl)-2 (E)-propenoate
3-chloroplumbagin
3-hydroxy-30-horoleana-12,18-dien-29-oate
3-indolylmethylgluco-sinolate
3-methoxypyridine

Source

Euchresta japonicum
Euchresta japonicum
Glechoma hederacea, *G. longituba*, *Hedychium coronarium*, *Lysimachia barystachys*, *L. christinae*,
L. clethroides, *L. davurica*, *Thymus vulgaris*
Cinnamomum camphora
Taxus cuspidata, *T. chinensis*, *T. yunnanensis*
Camptotheca acuminata
Daphne fortunei, *D. genkwa*
Cordyceps sinensis
Astilbe longicarpa, *A. chinensis*
Elaeagnus pungens, *E. umbellata*
Vaccinium bracteatum, *V. vitis-idaea*
Clerodendrum fragrans
Picrasma quassioides
Morus alba, *M. constantinopolitana*, *M. indica*
Clerodendrum paniculatum
Clerodendrum fragrans
Clerodendrum paniculatum
Clerodendrum fragrans
Dioscorea nipponica
Picrasma quassioides
Cucumis sativus
Zingiber zerumbet
Angelica decursiva
Costus speciosus, *Curcuma zedoaria*, *C. aromatica*, *C. kwangsiensis*
Plumbago zeylanica
Anredera cordifolia
Clerodendrum cyrtophyllum
Equisetum arvense, *E. hyemale*, *E. ramosissimum*

3-O- β -glucosylplatycodigenin	<i>Platycodon autumnalis</i> , <i>P. grandiflorum</i> , <i>P. sinensis</i>
3-O-demethylhernandifoline	<i>Stephania hernendifolia</i>
3-O-methylquercetin	<i>Ophioglossum vulgatum</i>
3-oxykojic acid	<i>Maytenus diversifolia</i> , <i>M. confertiflorus</i>
3-p-coumarylglycoside-5-glucoside	<i>Perilla frutescens</i> , <i>P. ocymoides</i> , <i>P. polystachya</i> , <i>P. arguta</i>
3,4-dihydroxyacetophenone	<i>Ilex pubescens</i>
3,4-dihydroxycinnamic acid	<i>Ananas comosus</i>
3,4-dihydroxyphenethyl alcohol	<i>Syringa dilatata</i> , <i>S. oblata</i> , <i>S. reticulata</i> , <i>S. suspensa</i> , <i>S. vulgaris</i>
4-demethyl-hasubanonine	<i>Stephania hernendifolia</i>
4-hydroxycinnamic acid	<i>Ananas comosus</i> , <i>Melilotus alba</i> , <i>M. suaveolens</i> , <i>M. indica</i>
4-methoxysalicylaldehyde	<i>Acanthopanax gracilistylus</i> , <i>A. spinosum</i>
4-quinazoline	<i>Dichroa cyanitis</i> , <i>D. febrifuga</i> , <i>D. latifolia</i>
4,5-dimethoxycanthin-6-one	<i>Picrasma quassioides</i>
5 α -ergost-8(-14)-en-3 β -ol	<i>Ophiorrhiza japonica</i> , <i>O. mungos</i>
5 α -ergost-en-3 β -ol	<i>Ophiorrhiza japonica</i> , <i>O. mungos</i>
5- β -cholic acid	<i>Abrus precatorius</i>
5-fluorouracil	<i>Rabdosia lasiocarpus</i>
5-guaizulene	<i>Murraya paniculata</i>
5-hydroxytryptamine	<i>Ranunculus sceleratus</i> , <i>Urtica angustifolia</i> , <i>U. cannabina</i> , <i>U. cannabina</i> , <i>U. lobata</i> , <i>U. tenacissima</i> , <i>U. urens</i> , <i>U. utilis</i>
5-methyl kaempferol	<i>Rhododendron mucronatum</i>
5-methyl myricetin	<i>Rhododendron mucronatum</i>
5-stigmautena-3 β ,7 δ -diol	<i>Ananas comosus</i>
6,9,12-octadecatrienoic acid	<i>Oenothera biennis</i> , <i>O. odorata</i>
6-C-galactopyranosyl-isoscutellarein	<i>Silene jensiseensis</i>
6-ethoxy-chelerythrin	<i>Zanthoxylum nitidum</i>
6-isoinosine	<i>Acanthopanax giraldii</i>
6-methylcodine	<i>Papaver somniferum</i>
6-O- β -sophoruside	<i>Bougainvillea brasiliensis</i> , <i>B. glabra</i>
6-O-acetyl-arbutin	<i>Vaccinium bracteatum</i> , <i>V. vitis-idaea</i>

Component	Source
6-O-rhamnosyl cophoroside	<i>Bougainvillea brasiliensis</i> , <i>B. glabra</i>
6,6'-dimethoxylgossypol	<i>Gossypium herbaceum</i>
6,8-di-C-galactopyranosylapigenin	<i>Silene jennisensis</i>
7-β-glucopyranoside	<i>Veronica sibirica</i> , <i>V. undulata</i>
7-caFFEYL-glucosides	<i>Perilla frutescens</i> , <i>P. ocymoides</i> , <i>P. polystachya</i> , <i>P. arguta</i>
7-hydroxylathyrol	<i>Euphorbia lathyris</i> , <i>E. lucorum</i> , <i>E. resinifera</i> , <i>E. thymifolia</i>
7-methoxy-2,2-dimethylchromene	<i>Ageratum conyzoides</i> , <i>A. houstonianum</i>
7-methoxy-baicalein	<i>Scutellaria baicalensis</i> , <i>S. grandiflora</i> , <i>S. lanceolaria</i> , <i>S. macrantha</i> , <i>S. rivulararis</i> , <i>S. viscidula</i>
7-methoxynorwogonin	<i>Scutellaria baicalensis</i> , <i>S. grandiflora</i> , <i>S. lanceolaria</i> , <i>S. macrantha</i> , <i>S. rivulararis</i> , <i>S. viscidula</i>
7-O-methyl-morroniside	<i>Cornus officinalis</i>
8-(O-methyl-p-coumaroyl)-harpagide	<i>Scrophularia buergeriana</i> , <i>S. kakudensis</i> , <i>S. ningpoensis</i> , <i>S. oldhami</i> , <i>S. puergeriana</i>
Abamagenin	<i>Sansevieria trifasciata</i>
Abeotaxanes	<i>Taxus cuspidata</i> , <i>T. chinensis</i> , <i>T. yunnanensis</i>
Abscisic acid	<i>Pileostegia viburnoides</i>
Acacetin-7-glucoside	<i>Chrysanthemum jucundum</i> , <i>C. koraiense</i> , <i>C. morifolium</i> , <i>C. sinense</i>
Acacetin-7-glucurono-(1,2)-glucuronide	<i>Clerodendrum trichotomum</i> , <i>C. spicatus</i>
Acacetin-7-rhamnoglucoside	<i>Chrysanthemum jucundum</i> , <i>C. koraiense</i> , <i>C. morifolium</i> , <i>C. sinense</i> , <i>Cirsium albescens</i> , <i>C. brevicaulis</i> , <i>C. littorale</i> , <i>C. maakii</i> , <i>C. segetum</i> , <i>C. setosum</i> , <i>C. vlassovianum</i>
Acalyphine	<i>Acalypha australis</i> , <i>A. farnesiana</i> , <i>A. indica</i>
Acanthosides	<i>Acanthopanax sessiliflorus</i>
Acetadehyde	<i>Prunus persica</i>
Acetic acid	<i>Ajuga bracteosa</i> , <i>Jasminum samba</i> , <i>Luffa aegyptiaca</i> , <i>L. cylindrica</i> , <i>L. faetida</i> , <i>L. petola</i> , <i>Michelia alba</i> , <i>M. figo</i> , <i>Prunus persica</i>
Acetone	<i>Coriandrum sativum</i>
Acetovanillone	<i>Gossypium herbaceum</i>
Acetycephalotaxine	<i>Cephalotaxus wilsoniana</i>
Acetyl lupeol	<i>Plumeria rubra</i>
Acetyl oleanolic acid	<i>Syzygium cuminii</i>
Acetylcholine	<i>Diospyros chinensis</i> , <i>D. costata</i> , <i>D. khaki</i> , <i>D. lotus</i> , <i>D. roxburgii</i> , <i>Viscum album</i>

Acetylcorynoline	<i>Corydalis incisa</i> , <i>C. bungeana</i>
Acetyl Eugenol	<i>Eugenia aromatica</i> , <i>E. caryophyllata</i> , <i>E. ulmoides</i>
Acetylsalicylic acid	<i>Ligusticum chuanziang</i> , <i>Paeonia albiflora</i> , <i>P. edulis</i> , <i>P. japonica</i> , <i>P. lactiflora</i> , <i>P. moutan</i> , <i>P. officinalis</i> , <i>Salvia militiorhiza</i> , <i>Sargentodoxa cuneata</i>
Acetylshikonin	<i>Arnebia euchroma</i> , <i>Lithospermum erythrorhizon</i> , <i>L. officinalis</i>
Achilleine	<i>Achillea alpina</i> , <i>A. millefolium</i>
Achillin	<i>Achillea alpina</i> , <i>A. millefolium</i>
Acidic resin	<i>Wikstroemia indica</i>
Aconine	<i>Aconitum laciniatum</i> , <i>A. kusnezoffii</i> , <i>A. chinense</i> , <i>A. vilmorinianum</i> , <i>A. pariculigerum</i>
Aconitic acid	<i>Arthraxon hispidus</i> , <i>Avena fatua</i>
Aconitine	<i>Aconitum laciniatum</i> , <i>A. kusnezoffii</i> , <i>A. chinense</i> , <i>A. vilmorinianum</i> , <i>A. pariculigerum</i> , <i>A. barbatum</i> , <i>A. austroyunnanense</i> , <i>A. balfourii</i> , <i>A. carmichaelii</i> , <i>A. chasmanthum</i> , <i>A. deinorrhizum</i> , <i>A. fischeri</i> , <i>A. jaluense</i> , <i>A. koreanum</i> , <i>A. napellus</i> , <i>A. praeparata</i> , <i>A. volubile</i>
Acoric acid	<i>Acorus calamus</i> var. <i>angustatus</i> , <i>A. gramineus</i> , <i>A. tatarinowii</i>
Actinidine	<i>Actinidia arguta</i> , <i>A. chinensis</i> , <i>A. japonica</i> , <i>A. kolomikta</i> , <i>A. polygama</i>
Actronycine	<i>Acronychia pedunculata</i> , <i>A. laurifolia</i>
Acutumidine	<i>Cocculus diversifolius</i> , <i>C. thunbergii</i>
Acutumine	<i>Cocculus diversifolius</i> , <i>C. thunbergii</i> , <i>Menispermum dauricum</i> , <i>Sinomenium acutum</i>
Acutuminine	<i>Menispermum dauricum</i>
Acylic diterpene glycosides	<i>Lycium chinense</i>
Acyl flavonol di-glycoside	<i>Hedyotis diffusa</i>
Adenine	<i>Angelica polymorpha</i> , <i>A. sinensis</i> , <i>Artemisia brachyloba</i> , <i>Chrysanthemum cinerriaefolium</i> , <i>C. jucundum</i> , <i>C. koraiense</i> , <i>C. morifolium</i> , <i>C. sinense</i> , <i>Pueraria montana</i> , <i>P. thunbergiana</i> , <i>Pyrethrum cinerariifolium</i> , <i>P. sinense</i> , <i>Solanum lyratum</i> , <i>S. melongena</i> , <i>Tetragonia tetragonoides</i>
Adenosine	<i>Cordyceps sinensis</i> , <i>Ganoderma lucidum</i> , <i>Verbena officinalis</i> , <i>V. oxysepalum</i>
Adiantone	<i>Adiantum boreale</i> , <i>A. capillus-junonis</i> , <i>A. pedatum</i> , <i>A. flabellulatum</i>
Adipedatol	<i>Adiantum boreale</i> , <i>A. capillus-junonis</i> , <i>A. pedatum</i> , <i>A. flabellulatum</i>
Adonilide	<i>Adonis chrysocyathus</i> , <i>A. brevistyla</i> , <i>A. vernalis</i>
Adynerin	<i>Nerum indicum</i>
Aegicerin	<i>Primula sieboldii</i> , <i>P. asiatica</i> , <i>P. vulgaris</i>

Component	Source
Aescilom	<i>Euphorbia lathyris</i> , <i>E. lucorum</i> , <i>E. resinifera</i> , <i>E. thymifolia</i>
Aescine	<i>Aesculus indica</i>
Aesculetin	<i>Azolla imbricata</i> , <i>Viburnum sargentii</i>
Aesculin	<i>Fraxinus bungeana</i> , <i>F. chinensis</i> , <i>F. floribunda</i> , <i>F. obovata</i> , <i>F. ornus</i> , <i>F. rhynchophylla</i>
Aesculine	<i>Aesculus indica</i>
Aflatoxin B	<i>Gossypium herbaceum</i>
Aflatoxins	<i>Coriandrum sativum</i>
Afzelin	<i>Ailanthus altissima</i> , <i>Dicranopteris linearis</i>
Agarol	<i>Aquilaria agallocha</i> , <i>A. sinensis</i>
Agaropectin	<i>Gelidium amansii</i>
Agarose	<i>Gelidium amansii</i>
Agarospinol	<i>Aquilaria agallocha</i> , <i>A. sinensis</i>
Agathin	<i>Sesbinia grandiflora</i>
Agerato-chromene	<i>Ageratum conyzoides</i> , <i>A. houstonianum</i>
Agglutinins	<i>Viscum album</i> , <i>V. coloratum</i>
Aglycone	<i>Corchorus capsularis</i> , <i>C. olitorius</i> , <i>Glycyrrhiza pallidiflora</i> , <i>G. uralensis</i> , <i>Picrorhiza kurroa</i>
Agnuside	<i>Vitex nequundo</i> , <i>V. trifolia</i> , <i>V. rotundifolia</i>
Agoniadin	<i>Plumeria rubra</i>
Agrimols	<i>Agrimonia eupatoria</i> , <i>A. pilosa</i> , <i>A. viscidula</i>
Agrimonine	<i>Agrimonia eupatoria</i> , <i>A. pilosa</i> , <i>A. viscidula</i>
Agrimonolide	<i>Agrimonia eupatoria</i> , <i>A. pilosa</i> , <i>A. viscidula</i>
Agrimophol	<i>Agrimonia eupatoria</i> , <i>A. pilosa</i> , <i>A. viscidula</i>
Ailanthone	<i>Ailanthus altissima</i>
Ajugasterone	<i>Ajuga bracteosa</i> , <i>A. decumbens</i> , <i>A. pygmaea</i> , <i>Alangium lamarckii</i>
Alangicine	<i>Alangium lamarckii</i>
Alangimarckine	<i>Alangium lamarckii</i>
Alanine	<i>Fagopyrum esculentum</i> , <i>Litchi chinensis</i> , <i>Taraxacum mongolicum</i> , <i>T. sinicum</i>
Alatamine	<i>Euonymus alatus</i> , <i>E. bungeanus</i> , <i>E. maackii</i>
Albaspidin	<i>Dryopteris crassirhizoma</i> , <i>D. laeta</i> , <i>D. filix-mas</i>

Albiflorin	<i>Paeonia albiflora</i> , <i>P. edulis</i> , <i>P. japonica</i> , <i>P. lactiflora</i> , <i>P. moutan</i> , <i>P. officinalis</i>
Albigenic acid	<i>Codonopsis lanceolata</i>
Albumin	<i>Aesculus indica</i> , <i>Hyoscyamus bohemicus</i>
Alcohol derivatives	<i>Ledebouriella divaricata</i>
Alcohols	<i>Viola acuminata</i> , <i>V. alisoviana</i> , <i>V. collina</i> , <i>V. dissecta</i> , <i>V. mandshurica</i> , <i>V. patrini</i> , <i>V. prionantha</i> , <i>V. verecunda</i>
Aldehyde	<i>Hedychium coronarium</i> , <i>Perilla frutescens</i> , <i>P. ocyroides</i> , <i>P. polystachya</i> , <i>P. arguta</i> , <i>Plumeria rubra</i>
Algin	<i>Laminaria angusta</i> , <i>L. cichorioides</i> , <i>L. japonica</i> , <i>L. longipedalis</i> , <i>L. religiosa</i> , <i>Sargassum pallidum</i>
Alginic acid	<i>Sargassum pallidum</i>
Alisarin	<i>Galium bungei</i> , <i>G. spurium</i> , <i>G. verum</i>
Alisol A	<i>Alisma cordifolia</i> , <i>A. orientalis</i> , <i>A. plantago-aquatica</i> , <i>A. plantago</i>
Alisol B	<i>Alisma cordifolia</i> , <i>A. orientalis</i> , <i>A. plantago-aquatica</i> , <i>A. plantago</i>
Alisol monoacetate	<i>Alisma cordifolia</i> , <i>A. orientalis</i> , <i>A. plantago-aquatica</i> , <i>A. plantago</i>
Alizarin	<i>Morinda citrifolia</i> , <i>M. officinalis</i> , <i>Rubia akane</i> , <i>R. chinensis</i> , <i>R. cordifolia</i> , <i>R. cordifolia</i> , <i>R. mungista</i> , <i>R. sylvatica</i>
Alizarin-l-methyl ether	<i>Morinda parvifolia</i>
Alkaloid lamine	<i>Dipsacus asper</i>
Alkaloids	<i>Achillea alpina</i> , <i>A. millefolium</i> , <i>Arisaema amurense</i> , <i>A. consanguineum</i> , <i>A. erubescens</i> , <i>A. heterophyllum</i> , <i>A. peninsulae</i> , <i>A. thunbergii</i> , <i>Caesalpinia pulcherrima</i> , <i>Capsella bursa-pastoris</i> , <i>Caragana sinica</i> , <i>C. microphylla</i> , <i>C. intermedia</i> , <i>C. franchetiana</i> , <i>Centipeda minima</i> , <i>Cephalanoplos segetum</i> , <i>Delonix</i> <i>regia</i> , <i>Dodonaea viscosa</i> , <i>Eclipta alba</i> , <i>E. marginata</i> , <i>E. prostrata</i> , <i>E. thermalis</i> , <i>Emilia sonchifolia</i> , <i>Erythrina corallodendron</i> , <i>E. indica</i> , <i>E. variegata</i> , <i>Flagellaria indica</i> , <i>Hyoscyamus bohemicus</i> , <i>H. niger</i> , <i>Maesa perlaris</i> , <i>Magnolia hypoleuca</i> , <i>M. coco</i> , <i>M. fortunei</i> , <i>M. officinalis</i> , <i>M. japonica</i> , <i>Mallotus</i> <i>japonicus</i> , <i>Ophiorrhiza japonica</i> , <i>O. mungos</i> , <i>Orchis latifolia</i> , <i>Psychotria rubra</i> , <i>P. serpens</i> , <i>Selaginella</i> <i>involvens</i> , <i>S. doederleinii</i> , <i>S. campestris</i> , <i>Solanum incanum</i> , <i>Spiraea salicifolia</i> , <i>S. chinensis</i> , <i>S. baicalensis</i> , <i>S. japonica</i> , <i>Tripterygium hypoglaucum</i> , <i>Tulipa edulis</i> , <i>T. gesneriana</i> , <i>Urtica angustifolia</i> , <i>U. cannabina</i> , <i>U. lobata</i> , <i>U. tenacissima</i> , <i>U. urens</i> , <i>U. utilis</i> , <i>Veratrum formosanum</i> , <i>Vernonia andersonii</i> , <i>V. cinerea</i> , <i>V. patula</i> , <i>Viscum album</i> , <i>V. coloratum</i> , <i>Wahlenbergia marginata</i> , <i>Zephyranthes carinata</i>
Alkamin-B	<i>Arnebia euchroma</i>
Alkannan	<i>Lithospermum erythrorhizon</i> , <i>L. officinalis</i>
Alkyl methyl quinolone alkaloids	<i>Evodia rutaecarpa</i>

Component	Source
Allamandin	<i>Allamanda cathatica</i>
Allantoin	<i>Dioscorea batatus</i> , <i>D. opposita</i>
Allelopathic essential oils	<i>Cyperus brevifolius</i> , <i>C. difformis</i> , <i>C. glomeratus</i> , <i>C. iria</i>
Allicin	<i>Allium chinense</i> , <i>A. odorum</i> , <i>A. sativum</i> , <i>A. tuberosum</i> , <i>A. liginosum</i>
Allistatin	<i>Allium chinense</i> , <i>A. odorum</i> , <i>A. sativum</i> , <i>A. tuberosum</i> , <i>A. uliginosum</i>
Allocriptopine	<i>Chelidonium album</i> , <i>C. hybridum</i> , <i>C. majus</i> , <i>C. serotinum</i>
Allomatatabiol	<i>Actinidia arguta</i> , <i>A. chinensis</i> , <i>A. japonica</i> , <i>A. kolomikta</i> , <i>A. polygama</i>
Allosecurinine	<i>Securinega suffruticosa</i>
Allyl isothiocyanate	<i>Brassica alba</i> , <i>B. juncea</i>
Allyl sinapic oil	<i>Draba nemorosa</i>
Allyl-l-propenyl disulfide	<i>Allium victorialis</i>
Aloe-emodin	<i>Aloe barbadensis</i> , <i>A. vera</i> , <i>Cassia alata</i> , <i>C. angustifolia</i> , <i>Rhamnus davurica</i> , <i>R. parvifolia</i> , <i>Rheum officinale</i> , <i>R. palmatum</i> , <i>R. tanguticum</i> , <i>R. undulatum</i> , <i>R. koreanum</i>
Aloins	<i>Aloe barbadensis</i> , <i>A. vera</i>
Alpha-agarofuran	<i>Aquilaria agallocha</i> , <i>A. sinensis</i>
Alpha-allocryptopine	<i>Corydalis ambigua</i> , <i>C. repens</i> , <i>C. turtshchaninovii</i> , <i>C. yanhusuo</i> , <i>C. ternata</i> , <i>Macleaya cordata</i> , <i>Thalictrum aquilegifolium</i> , <i>T. baicalense</i> , <i>T. fauriei</i> , <i>T. petaloideum</i> , <i>T. simplex</i> , <i>T. squarrosum</i> , <i>T. thunbergii</i>
Alpha-amyrenol	<i>Spilanthes acmella</i>
Alpha-amyrin	<i>Aleurites fordii</i> , <i>Alnus japonica</i> , <i>Cirsium chinense</i> , <i>C. japonicum</i> , <i>Pedicularis resupinata</i>
Alpha-amyrin palmitate	<i>Sambucus formosana</i>
Alpha-antiarin	<i>Antiaris toxicaris</i>
Alpha-antioside	<i>Antiaris toxicaris</i>
Alpha-bergamotene	<i>Perilla frutescens</i> , <i>P. ocymoides</i> , <i>P. polystachya</i> , <i>P. arguta</i>
Alpha-camphorene	<i>Commiphora myrrha</i>
Alpha-carotene-5,6-epoxide	<i>Cuscuta australis</i>
Alpha-caryophylline	<i>Eugenia aromatica</i> , <i>E. caryophyllata</i> , <i>E. ulmoides</i>
Alpha-crocetin	<i>Gardenia angusta</i> , <i>G. jasminoides</i>
Alpha-cyperene	<i>Cyperus rotundus</i>
Alpha-cyperol	<i>Cyperus rotundus</i>

Alpha-cyperone	<i>Cyperus brevifolius</i> , <i>C. difformis</i> , <i>C. glomeratus</i> , <i>C. iria</i>
Alpha-dichroine	<i>Adamia chinensis</i> , <i>A. cyanea</i> , <i>A. versicolof</i>
Alpha-elaeo stearic	<i>Aleurites fordii</i>
Alpha-euphol	<i>Euphorbia kansui</i>
Alpha-euphorbol	<i>Euphorbia antiquorum</i> , <i>E. kansui</i>
Alpha-fenchene	<i>Valeriana alternifolia</i> , <i>V. amurensis</i> , <i>V. fauriei</i> , <i>V. subbipinnatifolia</i>
Alpha-globuline	<i>Phaseolus angularis</i> , <i>P. lunatus</i> , <i>P. radiatus</i> , <i>P. vulgaris</i>
Alpha-humulene	<i>Cyperus brevifolius</i> , <i>C. difformis</i> , <i>C. glomeratus</i> , <i>C. iria</i> , <i>Zingiber zerumbet</i>
Alpha-hydrojuglone-4-β-D-glucoside	<i>Juglans mandshurica</i> , <i>J. regia</i>
Alpha-ionone	<i>Lawsonia inermis</i>
Alpha-kainic acid	<i>Calloglossa lepieurii</i>
Alpha-ketoglutaric acid	<i>Phyllanthus simplex</i>
Alpha-leucodelphinidin	<i>Phyllanthus emblica</i>
Alpha-lupanine	<i>Caulophyllum robustum</i>
Alpha-methyl ether	<i>Morinda citrifolia</i> , <i>M. officinalis</i>
Alpha-obscurine	<i>Lycopodium annotinum</i> , <i>L. cernum</i> , <i>L. compianatum</i>
Alpha-onocerin	<i>Lycopodium clavatum</i> , <i>L. obscurum</i> , <i>L. selago</i> , <i>L. serratum</i>
Alpha-paristyphnin	<i>Paris polyphylla</i> , <i>P. quadrifolia</i>
Alpha-phellandrene	<i>Daucus carota</i> , <i>Elettaria cardamomum</i> , <i>Ledum palustre</i> , <i>Thymus vulgaris</i>
Alpha-phenylethylisothiocyante	<i>Rorippa indica</i> , <i>R. islandica</i> , <i>R. montana</i>
Alpha-phenylpropyl cinnamyl cinnamate	<i>Styrax tonkinensis</i> , <i>S. benzoin</i>
Alpha-pinene	<i>Aconitium deinorrtuzum</i> , <i>Chrysanthemum boreale</i> , <i>C. indicum</i> , <i>C. lavandulaefolium</i> , <i>C. procumbens</i> , <i>C. tripartium</i> , <i>Daucus carota</i> , <i>Glechoma hederacea</i> , <i>G. longituba</i> , <i>Juniperus rigida</i> , <i>Ledum palustre</i> , <i>Oenothera javanica</i> , <i>Zanthoxylum bungeanum</i>
Alpha-santalene	<i>Santalum album</i> , <i>S. myrtifolium</i> , <i>S. verum</i>
Alpha-santalol	<i>Santalum album</i> , <i>S. myrtifolium</i> , <i>S. verum</i>
Alpha-santenone	<i>Santalum album</i> , <i>S. myrtifolium</i> , <i>S. verum</i>
Alpha-spinasterol	<i>Codonopsis lanceolata</i> , <i>Menyanthes trifoliata</i>
Alpha-taralin	<i>Aralia chinensis</i> , <i>A. cordata</i> , <i>A. elata</i>
Alpha-taraxerol	<i>Euphorbia antiquorum</i>

Component	Source
Alpha-terpinene	<i>Oenothera javanica</i>
Alpha-terpineol	<i>Cymbopogon citratus</i> , <i>Glechoma hederacea</i> , <i>G. longituba</i> , <i>Thymus amurensis</i> , <i>T. disjunctus</i> , <i>T. kitagawianus</i> , <i>T. komarovii</i> , <i>T. przewalskii</i> , <i>T. quinquecostatus</i> , <i>T. vulgaris</i>
Alpha-terpinyl acetate	<i>Thymus vulgaris</i>
Alpha-terthienyl	<i>Tagetes erecta</i>
Alpha-tertiary methanol	<i>Eclipta erecta</i>
Alpha-trevilline	<i>Erythroxylum coca</i>
Alpha-typhasterol	<i>Typha angustata</i> , <i>T. angustifolia</i> , <i>T. davidiana</i> , <i>T. latifolia</i> , <i>T. minima</i> , <i>T. orientalis</i> , <i>T. praequalis</i>
Althaeine	<i>Althaea rose</i>
Aluminum	<i>Portulaca pilosa</i>
Aluminum oxide	<i>Phyllostachys bambusoides</i> , <i>P. nigra</i>
Amaranthin	<i>Gomphrena globosa</i>
Amarbelin	<i>Cuscuta chinensis</i> , <i>C. europaea</i> , <i>C. japonica</i> , <i>C. lupuliformis</i>
Amarolide	<i>Ailanthus altissima</i>
Ambroide	<i>Chenopodium ambrosioides</i>
Amellin	<i>Scopalia dulcis</i>
Amentoflavone	<i>Cycas revoluta</i> , <i>Selaginella tamarisina</i> , <i>Thuja koraiensis</i> , <i>T. orientalis</i> , <i>T. chinensis</i>
Amino acids	<i>Acacia confusa</i> , <i>Ampelopsis aconitifolia</i> , <i>A. brevipedunculata</i> , <i>A. japonica</i> , <i>A. bodinieri</i> , <i>A. contonensis</i> , <i>A. humulifolia</i> , <i>Arachis hypogaea</i> , <i>Codonopsis pilosula</i> , <i>C. tangshen</i> , <i>C. ussuriensis</i> , <i>Elaeagnus glabra</i> , <i>Evodia lepta</i> , <i>E. triphylla</i> , <i>Ganoderma lucidum</i> , <i>Lagera alata</i> , <i>Laminaria angusta</i> , <i>L. cichorioides</i> , <i>L. japonica</i> , <i>L. longipedalis</i> , <i>L. religiosa</i> , <i>Litchi chinensis</i> , <i>Mallotus paniculatus</i> , <i>Nepenthes raffiana</i> , <i>Nymphaea tetragona</i> , <i>Oryza sativa</i> , <i>Phyllanthus virgatus</i> , <i>Pinellia ternata</i> , <i>P. tuberifera</i> , <i>Polygonum</i> <i>perfoliatum</i> , <i>P. tinctorium</i> , <i>Saururus chinensis</i> , <i>Urena procumbens</i>
Amino adipic acid	<i>Avena fatua</i>
Aminol	<i>Cimicifuga dahurica</i> , <i>C. foetida</i> , <i>C. heracleifolia</i> , <i>C. racemosa</i> , <i>C. ussuriensis</i>
Amorphous dracoalban	<i>Daemonorops draco</i>
Amorphous dracoresene	<i>Daemonorops draco</i>
Amritoside	<i>Psidium guajava</i>
Amurine	<i>Papaver amurense</i> , <i>P. nudicaule</i> , <i>P. radicum</i>

Amuroine	<i>Papaver amurense, P. nudicaule, P. radiculatum</i>
Amuroline	<i>Papaver amurense, P. nudicaule, P. radiculatum</i>
Amygdalin	<i>Armeniaca ansu, A. mandsharica, A. sibirica, A. vulgaris, Eriobotrya japonica, Prunus mume, P. domestica, P. glandulosa, P. japonica, P. padus, P. armeniaca, Pyrrhosia adnascens</i>
Amylase	<i>Hordeum vulgare</i>
Amylodextrins	<i>Myristica fragrans</i>
Amylose	<i>Aesculus chinensis, A. hippocastanum, Trapa bispinosa</i>
Amyrenol	<i>Sedum formosanum</i>
Amyrenone	<i>Sedum formosanum</i>
Amyrin	<i>Ficus carica</i>
Anacardic acid	<i>Ginkgo biloba</i>
Anagalligenone	<i>Anagalis arvensis</i>
Anagalline	<i>Anagalis arvensis</i>
Anagyrene	<i>Sophora subprostrata</i>
Ananasic acid	<i>Ananas comosus</i>
Ancubin	<i>Veronica sibirica, Veronica undulata</i>
Andelin	<i>Angelica decursiva.</i>
Andrographolide	<i>Andrographis paniculata</i>
Andromedotoxin	<i>Chimaphila umbellata, Lyonia ovalifolia, Rhododendron sinensis</i>
Anemonin	<i>Caltha palustris, Clematis chinensis, C. florida, C. hexapetala, C. minor, C. sinensis, C. terniflora, Pulsatilla ambigua, P. cernua, P. chinensis, Ranunculus chinensis, R. sceleratus, R. japonicus, R. sarmentosa</i>
Anemonol	<i>Clematis chinensis, C. florida, C. hexapetala, C. minor, C. sinensis, C. terniflora</i>
Anethol	<i>Foeniculum officinale, F. vulgare, Illicium verum</i>
Anethole	<i>Agastache rugosa, A. rugosa f. hypoleuca, Juniperus rigida, Magnolia biloba, M. denudata, M. discolor, M. liliflora, M. purpurea</i>
Angelic acid	<i>Angelica pubescens, A. grosserrata, Blumea lacera, Matricaria chamomilla</i>
Angelicin	<i>Psoralea corylifolia</i>
Angelicotoxin	<i>Angelica pubescens</i>
Angelol	<i>Angelica pubescens</i>
Angenomalin	<i>Angelica amurensis, A. anomala, A. dahurica</i>

Component	Source
Anhydroderrid	<i>Milletia reticulata</i> , <i>M. taiwaniana</i>
Anisaldehyde	<i>Agastache rugosa</i> , <i>A. rugosa</i> f. <i>hypoleuca</i> , <i>Foeniculum officinale</i> , <i>F. vulgare</i> , <i>Illicium verum</i>
Anisatin	<i>Illicium lanacedatum</i>
Anisic acid	<i>Eupatorium odoratum</i>
Anisic ketone	<i>Illicium verum</i>
Anisodamine	<i>Datura suaveolens</i> , <i>Scopolia tangutica</i>
Anisodine	<i>Datura suaveolens</i> , <i>Scopolia tangutica</i>
Ankorine isotubulosine	<i>Alangium lamarckii</i>
Anneparine	<i>Nelumbium nuciferum</i> , <i>N. speciosum</i>
Anomalin	<i>Angelica amurensis</i> , <i>A. anomala</i> , <i>A. dahurica</i> , <i>Peucedanum formosanum</i>
Anonaine	<i>Nelumbium nuciferum</i> , <i>N. speciosum</i>
Anromedotoxin	<i>Rhododendron dauricum</i>
Anthelmic acid	<i>Matricaria chamomilla</i>
Antheraxanthin	<i>Taraxacum mongolicum</i> , <i>T. sinicum</i>
Anthocyanin	<i>Cynomorium coccineum</i> , <i>C. songarium</i>
Anthocyanidines	<i>Achillea alpina</i> , <i>A. millefolium</i> , <i>Anthriscus aemula</i> , <i>A. sylvestris</i> , <i>Heracleum dissectum</i> , <i>H. lanatum</i> , <i>Polygonum bistorta</i> , <i>Sanguisorba officinalis</i> , <i>S. grandiflora</i> , <i>S. parviflora</i> , <i>S. x tenuifolia</i> . <i>Taraxacum officinale</i>
Anthocyanins	<i>Glehnia littoralis</i> , <i>Perilla frutescens</i> , <i>P. ocymoides</i> , <i>P. polystachya</i> , <i>P. arguta</i>
Anthranil acid	<i>Jasminum samba</i>
Anthranol	<i>Rumex patientia</i>
Anthraquinoids	<i>Nepenthes raffsiiana</i>
Anthraquinone derivative	<i>Cassia angustifolia</i>
Anthraquinones	<i>Achillea alpina</i> , <i>A. millefolium</i> , <i>Anthriscus aemula</i> , <i>A. sylvestris</i> , <i>Cassia nomame</i> , <i>C. obtusifolia</i> , <i>C. tora</i> , <i>C. occidentalis</i> , <i>C. torosa</i> , <i>Hedyotis diffusa</i> , <i>Heracleum dissectum</i> , <i>H. lanatum</i> , <i>Polygonum bistorta</i> , <i>Rheum officinale</i> , <i>R. palmatum</i> , <i>R. tanguticum</i> , <i>R. undulatum</i> , <i>R. koreanum</i> , <i>Sanguisorba officinalis</i> , <i>S. grandiflora</i> , <i>S. officinalis</i> , <i>S. parviflora</i> , <i>S. x tenuifolia</i> , <i>Taraxacum officinale</i>
Anthraxin	<i>Arthruxon hispidus</i>
Anthricin	<i>Anthriscus aemula</i> , <i>A. sylvestris</i>

Anti-HIV protein MAP 30
Apigenin

Apigenin-7-β-D-glucoside

Apigenin-7-diglucuronide

Apigenin-7-O-glucoside

Apigenin-8-C-glucoside

Apiin

Apyrocatechol

Arabinan polymer

Arabinon

Arabinose

Arabinose ester

Arachic

Arachidic acid

Arachine

Aragome

Araligenin

Aralosides

Arasaponins

Arborinol

Arborinone

Arbutin

Arbutin ericolin

Archangelicin

Arctigenin

Momordica charantia

Cassia occidentalis, *C. torosa*, *Clinopodium chinense*, *C. polycephalum*, *C. gracile*, *C. umbrosum*,

Codonopsis lanceolata, *C. mucronata*, *Daphne fortunei*, *D. genkwa*, *Jatropha podagrica*, *Juncus effusus*,

Perilla frutescens, *P. ocymoides*, *P. polystachya*, *P. arguta*, *Selaginella tamarisina*, *Thymus amurensis*,

T. disjunctus, *T. kitagawianus*, *T. komarovii*, *T. przewalskii*, *T. quinquecostatus*

Agrimonia eupatoria, *A. pilosa*, *A. viscidula*

Clerodendrum trichotomum, *C. spicatus*

Spirodela polyrhiza

Spirodela polyrhiza

Apium graveolens

Citrus reticulata

Bupleurum chinense, *B. falcatum*, *B. scorzoneraefolium*

Gleditsia horrida, *G. sinensis*, *G. xylocarpa*

Aster tataricus, *Camellia japonica*, *Juncus communis*, *Tamarindus indicus*, *T. officinale*

Psidium guajava

Acanthopanax gracilistylus, *A. spinosum*

Jatropha gossypifolia, *J. curcas*, *Sinapis alba*

Arachis hypogaea

Asparagus cochinchinensis, *A. falcatius*, *A. insularis*, *A. lucidus*, *A. officinalis*

Aralia chinensis, *A. cordata*, *A. elata*

Aralia chinensis, *A. cordata*, *A. elata*

Panax zingiberensis

Imperata arundinaceae, *I. cylindrica*

Imperata arundinaceae, *I. cylindrica*

Chimaphila umbellata, *Pyrola decorata*, *P. japonica*, *P. incarnata*, *P. renifolia*, *P. rotundifolia*, *Pyrrosia*
adnascens, *Sedum aizoon*, *Senecio cannabifolius*, *Vaccinium bracteatum*, *V. vitis-idaea*, *Veronica sibirica*.

V. undulata

Ledum palustre

Cnidium monnieri

Arctium lappa, *Lappa communis*, *L. edulis*, *L. major*, *L. minor*

Component	Source
Arctin	<i>Arctium lappa</i> , <i>Lappa communis</i> , <i>L. edulis</i> , <i>L. major</i> , <i>L. minor</i>
Arecholidine	<i>Areca catechu</i> , <i>A. hortonsis</i>
Arecholine	<i>Areca catechu</i> , <i>A. hortonsis</i>
Aresentic acid	<i>Juncus effusus</i>
Argamolic acid	<i>Psidium guajava</i>
Arginine	<i>Cucumis sativus</i> , <i>Dioscorea opposita</i> , <i>D. batatus</i> , <i>Dolichos lablab</i> , <i>Litchi chinensis</i>
Arginine glucoside	<i>Solanum lyratum</i> , <i>S. melongen</i>
Aricine	<i>Rauvolfia verticilata</i>
Aristolochic acid	<i>Aristolochia shimadai</i> , <i>A. debilis</i> , <i>Clematis armandii</i> , <i>C. heracleifolia</i>
Aristolochic acid A	<i>Aristolochia contorta</i> , <i>A. kaempferi</i> , <i>A. longa</i> , <i>A. recurvilabra</i>
Aristolochic acid D	<i>Aristolochia contorta</i> , <i>A. kaempferi</i> , <i>A. longa</i> , <i>A. recurvilabra</i>
Aristolone	<i>Aristolochia debilis</i>
Aristoloside	<i>Aristolochia contorta</i> , <i>A. kaempferi</i> , <i>A. longa</i> , <i>A. recurvilabra</i>
Arjunolic acid	<i>Elaeagnus oldhumii</i>
Arnidiol	<i>Calendula officinalis</i>
Aromadendrene	<i>Cinnamomum camphora</i>
Aromadendrin	<i>Thuja koraiensis</i> , <i>T. orientalis</i> , <i>T. chinensis</i>
Aromadendrine	<i>Menyanthes trifoliata</i>
Aromatic acids	<i>Eupatorium odoratum</i>
Arrenin	<i>Anagalis arvensis</i>
Artemisia alcohol	<i>Artemisia argyi</i> , <i>A. halodendron</i> , <i>A. igniaria</i> , <i>A. indica</i> , <i>A. integrifolia</i> , <i>A. japonica</i> , <i>A. keiskeana</i> , <i>A. lagocephala</i> , <i>A. lavandulaefolia</i> , <i>A. scoparia</i> , <i>A. selengensis</i> , <i>A. ieversiana</i> , <i>A. vulgarts</i>
Artemisine	<i>Artemisia brachyloba</i>
Artemisinin	<i>Artemisia annua</i> , <i>A. apiacea</i>
Artesunate	<i>Artemisia annua</i> , <i>A. apiacea</i>
Articulain	<i>Equisetum arvense</i> , <i>E. hyemale</i> , <i>E. ramosissimum</i>
Arundoin	<i>Imperata arundinaceae</i> , <i>I. cylindrica</i> , <i>Lophatherum gracile</i>
Asarensinotannol	<i>Ferula assa-foetida</i> , <i>F. bungeana</i>
Asariline	<i>Asarum canadense</i> , <i>A. heterotropoides</i> , <i>A. sieboldii</i>

Asarone	<i>Daucus carota</i>
Ascaridol	<i>Chenopodium ambrosioides</i> , <i>Ledum palustre</i>
Ascorbic acid	<i>Achyranthes asperia</i> , <i>Amaranthus tricolor</i> , <i>A. lividus</i> , <i>A. blitum</i> , <i>A. viridis</i> , <i>Benincasa cerifera</i> , <i>B. hispida</i> , <i>Boehmeria densiflora</i> , <i>Canarium album</i> , <i>C. sinense</i> , <i>Castanea crenata</i> , <i>C. mollissima</i> , <i>Corylus</i> <i>heterophylla</i> , <i>C. mandshurica</i> , <i>Petasites japonicus</i> , <i>Rosa multiflora</i> , <i>Syzygium aromaticum</i> , <i>Zea mays</i>
Ash	<i>Urtica angustifolia</i> , <i>U. cannabina</i> , <i>U. lobata</i> , <i>U. tenacissima</i> , <i>U. urens</i> , <i>U. utilliss</i>
Asiaticoside	<i>Centella asiatica</i>
Asoryl-ketone	<i>Asarum canadense</i> , <i>A. heterotropoides</i> , <i>A. sieboldii</i>
Asparagic acid	<i>Litchi chinensis</i>
Asparagine	<i>Arundo donax</i> , <i>A. phragmites</i> , <i>Arnebia euchroma</i> , <i>Humulus scandens</i> , <i>Phragmites communis</i> , <i>Pueraria</i> <i>montana</i> , <i>P. thunbergiana</i> , <i>Sagittaria sagittifolia</i> , <i>Taraxacum mongolicum</i> , <i>T. sinicum</i>
Asparaginic acid	<i>Avena fatua</i>
Asperuloside	<i>Oldenlandia diffusa</i>
Astilbin	<i>Astilbe longicarpa</i> , <i>A. chinensis</i>
Astragalin	<i>Astragalus chinensis</i> , <i>A. complanatus</i> , <i>A. henryi</i> , <i>A. hoantchy</i> , <i>A. membranaceus</i> , <i>A. melilotoides</i> , <i>A. mongholicus</i> , <i>A. reflexistipulus</i> , <i>A. sinensis</i> , <i>Cyrtomium falcatum</i> , <i>Dysosma pleiantha</i> , <i>Equisetum</i> <i>arvense</i> , <i>E. hyemale</i> , <i>E. ramosissimum</i> , <i>Matteuccia struthiopteris</i> , <i>Paeonia obovata</i> , <i>P. suffruticosa</i> , <i>P. veitchii</i> , <i>Solidago dahurica</i> , <i>S. pacifica</i> , <i>S. virgaurea</i> , <i>Tribulus terrestris</i>
Astragalosides	<i>Astragalus complanatus</i> , <i>A. henryi</i> , <i>A. hoantchy</i> , <i>A. membranaceus</i> , <i>A. melilotoides</i> , <i>A. mongholicus</i> , <i>A. reflexistipulus</i> , <i>A. sinensis</i>
Attractylodine	<i>Attractylis chinensis</i> , <i>A. lancea</i> , <i>A. lyrata</i> , <i>A. ovata</i>
Attractylol	<i>Attractylis chinensis</i> , <i>A. lancea</i> , <i>A. lyrata</i> , <i>A. ovata</i>
Attractylone	<i>Attractylodes lancea</i> , <i>A. chinensis</i> , <i>A. japonica</i> , <i>A. koreana</i> , <i>A. lancea</i> , <i>A. lyrata</i> , <i>A. macrocephala</i> , <i>A. ovata</i>
Atropine	<i>Datura suaveolens</i>
Aucubin	<i>Melasma arvense</i> , <i>Plantago asiatica</i> , <i>P. depressa</i> , <i>P. exaltata</i> , <i>P. loureiri</i> , <i>P. major</i> , <i>Veronica anagallis-</i> <i>aquatica</i> , <i>Vitex trifolia</i> , <i>V. rotundifolia</i> , <i>V. nequundo</i>
Aurantio-obtusin rubrofusarin	<i>Cassia nomame</i> , <i>C. obtusifolia</i> , <i>C. tora</i>
Aurapten	<i>Dictamnus albus</i> , <i>D. dasycarpus</i>
Auroxanthin	<i>Physalis alkekengi</i>
Austroinulin	<i>Stevia rebaudiana</i>

Component	Source
Avenasterol	<i>Avena fatua</i> , <i>Linum stelleroides</i> , <i>L. usitatissimum</i>
Avicularin	<i>Chimaphila umbellata</i> , <i>Loranthus parasiticus</i> , <i>L. yadoriki</i> , <i>Persicaria amphibia</i> , <i>Polygonum aviculare</i> , <i>P. bistorta</i> , <i>P. lapidosa</i> , <i>P. manshuriensis</i> , <i>P. vivipara</i> , <i>Psidium guajava</i> , <i>Saururus chinensis</i> , <i>Vaccinium bracteatum</i> , <i>V. vitis-idaea</i>
Awobanin	<i>Commelina communis</i>
Azadarachtin	<i>Melia japonica</i> , <i>M. toosendan</i> , <i>M. azedarach</i>
Azaleatin	<i>Rhododendron mucronatum</i>
Azelaic acid	<i>Ailanthus altissima</i> , <i>Lycopodium clavatum</i> , <i>L. obscurum</i> , <i>L. selago</i> , <i>L. serratum</i>
Azulene	<i>Artemisia gmelini</i> , <i>Matricaria chamomilla</i> , <i>Melaleuca leucadendra</i> , <i>Piper cubeba</i>
Baccatin	<i>Taxus cuspidata</i> , <i>T. chinensis</i> , <i>T. yunnanensis</i>
Baicalin	<i>Scutellaria baicalensis</i> , <i>S. grandiflora</i> , <i>S. lanceolaria</i> , <i>S. macrantha</i> , <i>S. rivulararis</i> , <i>S. viscidula</i>
Baicalin	<i>Scutellaria baicalensis</i> , <i>S. grandiflora</i> , <i>S. lanceolaria</i> , <i>S. macrantha</i> , <i>S. rivulararis</i> , <i>S. viscidula</i> , <i>S. formosana</i>
Balsam	<i>Liquidambar acerifolia</i> , <i>L. formosana</i> , <i>L. maximowiczii</i>
Balsamic acid	<i>Styrax tonkinensis</i> , <i>S. benzoin</i>
Barbaloin	<i>Aloe barbadensis</i> , <i>A. vera</i>
Barbatic acid	<i>Usnea diffracta.</i> , <i>U. longissima</i>
Barium	<i>Juncus effusus</i>
Bauerenol	<i>Acronychia pedunculata</i> , <i>A. laurifolia</i>
Bavachinin	<i>Psoralea corylifolia</i>
Behenic acid	<i>Brassica alba</i> , <i>B. juncea</i> , <i>Pongamia pinnata</i>
Bellidifolin	<i>Swertia pseudochinensis</i>
Bensaldehyde	<i>Rosa rugosa</i> , <i>Cinnamomum zeglanicum</i> , <i>Melaleuca leucadendra</i> , <i>Prunus persica</i>
Benzene tert-butyl	<i>Zanthoxylum bungeanum</i>
Benzoic acid	<i>Arisaema amurense</i> , <i>A. consanguineum</i> , <i>A. erubescens</i> , <i>A. heterophyllum</i> , <i>A. peninsulae</i> , <i>A. peninsulae</i> , <i>A. thunbergii</i> , <i>Daemonorops draco</i> , <i>Jasminum samba</i> , <i>Paeonia albiflora</i> , <i>P. edulis</i> , <i>P. japonica</i> , <i>P. lactiflora</i> , <i>P. moutan</i> , <i>P. officinalis</i> , <i>Phyllostachys bambusoides</i> , <i>P. nigra</i>
Benzolacetic ester	<i>Daemonorops margaritae</i>
Benzoquinone	<i>Ligusticum chuangxiong</i>
Benzoyl paeoniflorin	<i>Paeonia albiflora</i> , <i>P. edulis</i> , <i>P. japonica</i> , <i>P. lactiflora</i> , <i>P. moutan</i> , <i>P. officinalis</i>

Benzoyl salicin	<i>Populus alba</i> , <i>P. davidiana</i> , <i>P. tomentosa</i>
Benzoyllecgonine	<i>Erythroxylum coca</i>
Benzyl alcohol	<i>Prunus persica</i>
Benzyl isothiocyanate	<i>Brassica alba</i> , <i>B. juncea</i>
Benzylacetone	<i>Aquilegia buergeriana</i> , <i>A. parviflora</i>
Benzylbezoic acid	<i>Conyza canadensis</i>
Berbamine	<i>Berberis amurensis</i> , <i>B. poiretii</i> , <i>B. sibirica</i> , <i>B. soulieana</i> , <i>Stephania cepharantha</i> , <i>Thalictrum aquilegifolium</i> , <i>T. baicalense</i> , <i>T. fauriel</i> , <i>T. petaloideum</i> , <i>T. simplex</i> , <i>T. squarrosum</i> , <i>T. thunbergii</i>
Berberine	<i>Berberis amurensis</i> , <i>B. poiretii</i> , <i>B. sibirica</i> , <i>B. soulieana</i> , <i>Caltha palustris</i> , <i>Coptis chinensis</i> , <i>C. japonica</i> , <i>C. teeta</i> , <i>Chenopodium ambrosioides</i> , <i>Mahonia japonica</i> , <i>Nandina domestica</i> , <i>Papaver somniferum</i> , <i>Phellodendron amurense</i> , <i>P. chinensis</i> , <i>Scutellaria formosana</i> , <i>Thalictrum aquilegifolium</i> , <i>T. baicalense</i> , <i>T. fauriel</i> , <i>T. foetidum</i> , <i>T. glandulissimum</i> , <i>T. ichangense</i> , <i>T. petaloideum</i> , <i>T. simplex</i> , <i>T. squarrosum</i> , <i>T. thunbergii</i> , <i>Xanthoxylum piperitum</i> , <i>Zanthoxylum schinifolium</i>
Bergapten	<i>Anethum graveoleus</i> , <i>Angelica amurensis</i> , <i>A. anomala</i> , <i>A. dahurica</i> , <i>A. pubescens</i> , <i>Dictamnus albus</i> , <i>D. dasycarpus</i> , <i>Heracleum lanatum</i> , <i>Poncirus trifoliata</i> , <i>Zanthoxylum schinifolium</i>
Bergaptin	<i>Ficus carica</i>
Bergenin	<i>Ardisia quinquegona</i> , <i>A. sieboldii</i> , <i>A. longicarpa</i> , <i>A. chinensis</i> , <i>Cuscuta chinensis</i> , <i>C. europaea</i> , <i>C. japonica</i> , <i>C. lupuliformis</i> , <i>Mallotus repandus</i>
Berganine glucoside	<i>Ardisia japonica</i>
Beta-agarofuran	<i>Aquilaria agallocha</i> , <i>A. sinensis</i>
Beta-amirine	<i>Jatropha podagrica</i>
Beta-amyrenol	<i>Spilanthes acmella</i>
Beta-amyrin	<i>Aleurites fordii</i> , <i>Chimaphila umbellata</i> , <i>Cirsium chinense</i> , <i>C. japonicum</i> , <i>Cuscuta chinensis</i> , <i>C. europaea</i> , <i>C. japonica</i> , <i>C. lupuliformis</i> , <i>Eclipta erecta</i> , <i>Eupatorium odoratum</i> , <i>Euphorbia antiquorum</i> , <i>Firmiana</i> <i>simplex</i> , <i>Pedicularis resupinata</i> , <i>Tamarindus indicus</i> , <i>Taraxacum mongolicum</i> , <i>T. sinicum</i> , <i>Viburnum</i> <i>sargentii</i> , <i>Viscum album</i> , <i>V. coloratum</i>
Beta-amyrin acetate	<i>Artocarpus altilis</i> , <i>Firmiana simplex</i>
Beta-asarone	<i>Acorus calamus</i> , <i>Achyranthes asperia</i> , <i>Amaranthus tricolor</i> , <i>Boehmeria densiflora</i> , <i>Canarium album</i> , <i>C. sinense</i> , <i>Castanea crenata</i> , <i>C. mollissima</i> , <i>Corylus heterophylla</i> , <i>C. mandshurica</i> , <i>Petasites japonicus</i> , <i>Zea mays</i>

Component

Beta-carotenoid
Beta-caryophyllene

Beta-caryophylline
Beta-cyperene
Beta-cyperol
Beta-D-glucosyloxy
Beta-dichroine
Beta-dihydropseudoionone
Beta-dimethylacrylate
Beta-dimethylacrytoylshikonin
Beta-elemene
Beta-eudesmol
Beta-globulin
Beta-glycyrrhetic acid
Beta-guaienene
Beta-gurjunene
Beta-ionone
Beta-methylaesculetin
Beta-OH-isovalerylshikonin
Beta-p glucopyranoside
Beta-phellandrene
Beta-phenethyl alcohol
Beta-pinene

Beta-santalene
Beta-santalol

Source

Crocus sativus, *Hippophae rhamnoides*
Ageratum conyzoides, *A. houstonianum*, *Artemisia argyi*, *A. halodendron*, *A. igniaria*, *A. indica*,
A. integrifolia, *A. japonica*, *A. keiskeana*, *A. lagocephala*, *A. lavandulaefolia*, *A. scoparia*, *A. selengensis*,
A. sieversiana, *A. vulgarts*, *Murraya paniculata*, *Perilla frutescens*, *P. ocymoides*, *P. polystachya*,
P. arguta, *Vitex chinensis*, *V. jeguaod*
Eugenia aromatica, *E. caryophyllata*, *E. ulmoides*
Cyperus rotundus
Cyperus rotundus
Melilotus alba, *M. suaveolens*, *M. indica*
Adamia chinensis, *A. cyanea*, *A. versicolof*
Cymbopogon citratus
Arnebia euchroma
Arnebia euchroma
Juniperus rigida, *Panax ginseng*
Atractylis chinensis, *A. lancea*, *A. lyrata*, *A. ovata*, *Magnolia hypoleuca*, *M. officinalis*, *M. japonica*
Phaseolus angularis, *P. lunatus*, *P. radiatus*, *P. vulgaris*
Glycyrrhiza pallidiflora, *G. uralensis*
Artemisia lactiflora
Zanthoxylum bungeanum
Lawsonia inermis
Convolvulus arvensis
Arnebia euchroma
Bauhinia championi
Osmanthus fragrans
Litchi chinensis
Agastache rugosa, *A. rugosa* f. *hypoleuca*, *Asarum canadense*, *A. heterotropoides*, *A. sieboldii*, *Glechoma*
hederacea, *G. longituba*, *Hedychium coronarium*, *Ledum palustre*, *Lindera glauca*, *Oenothera javanica*
Santalum album, *S. myrtifolium*, *S. verum*
Santalum album, *S. myrtifolium*, *S. verum*

Beta-selinene	<i>Cyperus brevifolius</i> , <i>C. difformis</i> , <i>C. glomeratus</i> , <i>C. iria</i>
Beta-sitosterol	<i>Acanthopanax giraldii</i> , <i>A. gracilistylus</i> , <i>A. spinosum</i> , <i>Adenophora triphylla</i> , <i>A. verticillata</i> , <i>Adina rubella</i> , <i>A. ratemosa</i> , <i>Ailanthus altissima</i> , <i>Ajuga bracteosa</i> , <i>Aletris formosuna</i> , <i>A. spicata</i> , <i>Aristolochia contorta</i> , <i>A. kaempferi</i> , <i>A. longa</i> , <i>A. recurvilabra</i> , <i>Arnebia euchroma</i> , <i>Avena fatua</i> , <i>Bauhinia championi</i> , <i>Cirsium chinense</i> , <i>C. japonicum</i> , <i>Cuscuta chinensis</i> , <i>C. europaea</i> , <i>C. japonica</i> , <i>C. lupuliformis</i> , <i>Cynodon dactylon</i> , <i>Cynomorium coccineum</i> , <i>C. songarium</i> , <i>Cyperus rotundus</i> , <i>Eugenia aromatica</i> , <i>E. caryophyllata</i> , <i>E. ulmoides</i> , <i>Firmiana simplex</i> , <i>Glehnia littoralis</i> , <i>Ipomoea cairica</i> , <i>Jatropha podagrica</i> , <i>Lespedeza cuneata</i> , <i>Matteuccia struthiopteris</i> , <i>Oldenlandia diffusa</i> , <i>Ophioglossum japonicum</i> , <i>Ophiopogon japonicus</i> , <i>Ophiorrhiza japonica</i> , <i>O. mungos</i> , <i>Papaver somniferum</i> , <i>Petasites japonicus</i> , <i>Polygonatum chinense</i> , <i>P. cirrhifolium</i> , <i>P. macropodium</i> , <i>P. officinale</i> , <i>P. sibiricum</i> , <i>P. stenophyllum</i> , <i>P. odoratum</i> , <i>P. vulgare</i> , <i>Prunus padus</i> , <i>Rauwolfia verticillata</i> , <i>Rubus coreanus</i> , <i>R. crataegifolius</i> , <i>R. matsumuranus</i> , <i>R. saxatilis</i> , <i>Schizonepeta multifida</i> , <i>S. tenuifolia</i> , <i>Scopalia dulcis</i> , <i>Scutellaria baicalensis</i> , <i>S. grandiflora</i> , <i>S. lanceolaria</i> , <i>S. macrantha</i> , <i>S. rivulararis</i> , <i>S. viscidula</i> , <i>Solanum incanum</i> , <i>Syzygium cuminii</i> , <i>Tamarindus indicus</i> , <i>Taraxacum mongolicum</i> , <i>T. sinicum</i> , <i>Trapa bispinosa</i> , <i>Viburnum sargentii</i>
Beta-sitosterol glucoside	<i>Eleutherococcus senticosus</i>
Beta-sitosterolm	<i>Aleurites fordii</i>
Beta-sitosteryl palmitate	<i>Adenophora triphylla</i> , <i>A. verticillata</i>
Beta-solamargine	<i>Solanum aculeatissimum</i>
Beta-sotpsterols	<i>Dioscorea bulbifera</i>
Beta-sterol	<i>Ginkgo biloba</i>
Beta-taralin	<i>Aralia chinensis</i> , <i>A. cordata</i> , <i>A. elata</i>
Beta-trevilline	<i>Erythroxyllum coca</i>
Betacyamines	<i>Gomphrena globosa</i>
Betacyanin	<i>Portulaca grandiflora</i>
Betaine	<i>Amaranthus caudatus</i> , <i>A. paniculatus</i> , <i>Astragalus complanatus</i> , <i>A. henryi</i> , <i>A. hoantchy</i> , <i>A. membranaceus</i> , <i>A. melilotoides</i> , <i>A. mongholicus</i> , <i>A. reflexistipulus</i> , <i>A. sinensis</i> , <i>Firmiana simplex</i> , <i>Lycium chinense</i> , <i>L. barbarum</i> , <i>L. megistocarpum</i> , <i>L. ovatum</i> , <i>L. trewianum</i> , <i>L. turbinatum</i> , <i>Salsola collina</i>
Betanidin	<i>Bougainvillea brasiliensis</i> , <i>B. glabra</i> , <i>Portulaca grandiflora</i>
Betanin	<i>Portulaca grandiflora</i>
Betonicine	<i>Achillea alpina</i> , <i>A. millefolium</i>

Component	Source
Betulafolienetraol	<i>Betula mandshurica</i> , <i>B. platyphylla</i>
Betulafolienetriol	<i>Betula mandshurica</i> , <i>B. platyphylla</i>
Betulic acid	<i>Ziziphus jujuba</i> , <i>Z. spinosa</i>
Betulin	<i>Betula mandshurica</i> , <i>B. platyphylla</i> , <i>Euphorbia lathyris</i> , <i>E. lucorum</i> , <i>E. resinifera</i> , <i>E. thymifolia</i> , <i>Platycodon autumnalis</i> , <i>P. grandiflorum</i> , <i>P. sinensis</i> , <i>Vicia faba</i> , <i>Ziziphus jujuba</i> , <i>Z. spinosa</i>
Betulinic acid	<i>Adina rubella</i> , <i>A. ratemosa</i> , <i>Alnus japonica</i> , <i>Diospyros chinensis</i> , <i>D. costata</i> , <i>D. khaki</i> , <i>D. lotus</i> , <i>D. roxburgii</i> , <i>Melaleuca leucadendra</i> , <i>Menyanthes trifoliata</i> , <i>Pedicularis resupinata</i> , <i>Syzygium cuminii</i> , <i>Ziziphus jujuba</i> , <i>Z. spinosa</i>
Betuloside	<i>Betula mandshurica</i> , <i>B. platyphylla</i>
Bianthraquinonyl	<i>Rheum officinale</i> , <i>R. palmatum</i> , <i>R. tanguticum</i> , <i>R. undulatum</i> , <i>R. koreanum</i>
Biatractylolide	<i>Atractylodes chinensis</i> , <i>A. japonica</i> , <i>A. koreana</i> , <i>A. lancen</i> , <i>A. macrocephala</i> , <i>A. ovata</i>
Biflorine	<i>Oldenlandia chrysotricha</i> , <i>C. corymbosa</i>
Biflorone	<i>Oldenlandia chrysotricha</i> , <i>C. corymbosa</i>
Bigelovin	<i>Forsythia suspensa</i> , <i>Inula britannica</i> , <i>I. japonica</i> , <i>I. linariaefolia</i> , <i>I. salsoloides</i>
Bilobal	<i>Ginkgo biloba</i>
Bilobetin	<i>Ginkgo biloba</i>
Biotin	<i>Angelica polymorpha</i> , <i>A. sinensis</i> , <i>Arachis hypogaea</i> , <i>Polyporus umbellatus</i>
Bis (2-ethyl butyl) phthalate	<i>Oenothera javanica</i>
Bisabolene	<i>Daucus carota</i> , <i>Murraya paniculata</i> , <i>Valeriana alternifolia</i> , <i>V. amurensis</i> , <i>V. fauriei</i> , <i>V. subbipinnatifolia</i>
Bisesquiterpenoid	<i>Atractylodes chinensis</i> , <i>A. japonica</i> , <i>A. koreana</i> , <i>A. lancen</i> , <i>A. macrocephala</i> , <i>A. ovata</i>
Bitter glycoside	<i>Centaurium meyeri</i>
Bitter principle	<i>Elephantopus scaber</i>
Bocconine	<i>Macleaya cordata</i>
Bocconoline	<i>Macleaya cordata</i>
Bogoroside	<i>Antiaris toxicaris</i>
Bonducin	<i>Caesalpinia decapetula</i>
Borneol	<i>Artemisia argyi</i> , <i>A. gmelini</i> , <i>A. halodendron</i> , <i>A. igniaria</i> , <i>A. indica</i> , <i>A. integrifolia</i> , <i>A. japonica</i> , <i>A. keiskeana</i> , <i>A. lagocephala</i> , <i>A. lavandulaefolia</i> , <i>A. scoparia</i> , <i>A. selengensis</i> , <i>A. sieversiana</i> , <i>A. vulgarts</i> , <i>Blumea balsumifera</i> , <i>Chrysanthemum boreale</i> , <i>C. indicum</i> , <i>C. lavandulaefolium</i> , <i>C. procumbens</i> , <i>C. tripartitum</i> ,

	<i>Coriandrum sativum</i> , <i>Cunninghamia lanceolata</i> , <i>Curcuma pallida</i> , <i>C. phaeocoulis</i> , <i>Dryobalanops aromatica</i> , <i>D. camphora</i> , <i>Hedyotis corymbosa</i> , <i>Juniperus rigida</i> , <i>Kaempferia galanga</i> , <i>Thymus amurensis</i> , <i>T. disjunctus</i> , <i>T. kitagawianus</i> , <i>T. komarovii</i> , <i>T. przewalskii</i> , <i>T. quinquecostatus</i> , <i>T. vulgaris</i> , <i>Valeriana alternifolia</i> , <i>V. amurensis</i> , <i>V. fauriei</i> , <i>V. subbipinnatifolia</i>
Borneol acetate	<i>Anomum cardamomum</i> , <i>A. globosum</i> , <i>A. tsao-ko</i> , <i>A. villosum</i> , <i>A. xanthloides</i>
Bornol	<i>Chrysanthemum jucundum</i> , <i>C. koraiense</i> , <i>C. morifolium</i> , <i>C. sinense</i>
Bornyl acetate	<i>Eupatorium chinense</i> , <i>E. lindleyanum</i> , <i>E. japonicum</i> , <i>Hedyotis corymbosa</i> , <i>Thymus vulgaris</i>
Bornyl isovalerate	<i>Valeriana alternifolia</i> , <i>V. amurensis</i> , <i>V. fauriei</i> , <i>V. subbipinnatifolia</i>
Bornylautate	<i>Lindera glauca</i>
Boschniakine	<i>Cistanche deserticola</i>
Boschnialactone	<i>Cistanche deserticola</i>
Bourbonene	<i>Luffa aegyptiaca</i> , <i>L. cylindrica</i> , <i>L. faetida</i> , <i>L. petola</i>
Brahmisoside	<i>Centella asiatica</i>
Brahmoside	<i>Centella asiatica</i>
Brasilin	<i>Caesalpinia sappan</i>
Bromelin	<i>Ananas comosus</i>
Bruceines	<i>Brucea javanica</i> , <i>B. sumatrana</i>
Bruceolide	<i>Brucea javanica</i> , <i>B. sumatrana</i>
Brucine	<i>Strychnos nux-vomica</i> , <i>S. pierriana</i>
Brusatol	<i>Brucea javanica</i> , <i>B. sumatrana</i>
Buddleoglycoside	<i>Buddleia formosana</i> , <i>B. madagascariensis</i> , <i>B. officinalis</i>
Bufotenine	<i>Desmodium pulehellum</i> , <i>Phyllodium pulchellum</i>
Bulbocapnine	<i>Corydalis decumbens</i>
Bullatines	<i>Aconitum barbatum</i> , <i>A. austroyunnanense</i>
Bupleuran	<i>Bupleurum chinense</i> , <i>B. falcatum</i> , <i>B. scorzoneraefolium</i>
Bursic acid	<i>Capsella bursa-pastoris</i>
Buteine	<i>Bidens tripartita</i>
Butin	<i>Bidens tripartita</i>
Butylidenephthalide	<i>Angelica polymorpha</i> , <i>A. sinensis</i>
Butyric acid	<i>Ajuga bracteosa</i> , <i>Euphorbia coraroides</i> , <i>E. lasiocaula</i> , <i>E. lunulata</i> , <i>E. pallasii</i> , <i>E. pekinensis</i> , <i>E. sampsoni</i> , <i>E. sieboldiana</i> , <i>E. esula</i> , <i>E. helioscopia</i> , <i>Melia japonica</i> , <i>M. toosendan</i> , <i>M. azedarach</i> , <i>Pueraria montana</i> , <i>P. thunbergiana</i> , <i>Ulmus campestris</i> , <i>U. macrocarpa</i> , <i>U. pumila</i>

Component	Source
Buxanmine E	<i>Buxus harlandii</i> , <i>B. microphylla</i>
Buxpiine	<i>Buxus microphylla</i>
Buxpiine K	<i>Buxus harlandii</i>
Buxtauine	<i>Buxus microphylla</i>
Byak-angelicin	<i>Angelica pubescens</i> , <i>A. amurensis</i> , <i>A. anomala</i> , <i>A. dahurica</i>
Byak-angelicol	<i>Angelica amurensis</i> , <i>A. anomala</i> , <i>A. dahurica</i> , <i>A. pubescens</i>
c-3-epi-wilsonine	<i>Cephalotaxus wilsoniana</i>
Cadinene	<i>Alpinia officinarum</i> , <i>Menyanthes trifoliata</i> , <i>Piper cubeba</i> , <i>Podocarpus macrophyllus</i> , <i>Solidago canadensis</i> , <i>Valeriana alternifolia</i> , <i>V. amurensis</i> , <i>V. fauriei</i> , <i>V. subbipinnatifolia</i> , <i>Zanthoxylum bungeanum</i>
Caffeic acid	<i>Ajuga bracteosa</i> , <i>Azolla imbricata</i> , <i>C. albescens</i> , <i>C. brevicaulis</i> , <i>C. littorale</i> , <i>C. maakii</i> , <i>C. segetum</i> , <i>C. setosum</i> , <i>C. vlassovianum</i> , <i>Convolvulus arvensis</i> , <i>Crataegus cuneata</i> , <i>C. chlorusarca</i> , <i>C. dahurica</i> , <i>C. maximowiczii</i> , <i>C. pentagyna</i> , <i>C. pinnatifida</i> , <i>C. sanguinea</i> , <i>Cucumis sativus</i> , <i>Elaeagnus pungens</i> , <i>E. umbellata</i> , <i>Fagopyrum esculentum</i> , <i>F. sagittatum</i> , <i>Impatiens balsamina</i> , <i>I. noli-tangere</i> , <i>I. textori</i> , <i>Inula britannica</i> , <i>I. japonica</i> , <i>I. linariaefolia</i> , <i>I. salsoloides</i> , <i>Matteuccia struthiopteris</i> , <i>Melilotus alba</i> , <i>M. suaveolens</i> , <i>M. indica</i> , <i>Polygonum aviculare</i> , <i>P. lapidosa</i> , <i>P. manshuriensis</i> , <i>P. vivipara</i> , <i>P. bistorta</i> , <i>Prunella vulgaris</i> , <i>Solidago dahurica</i> , <i>S. pacifica</i> , <i>S. virgaurea</i> , <i>Valeriana alternifolia</i> , <i>V. amurensis</i> , <i>V. fauriei</i> , <i>V. subbipinnatifolia</i> , <i>Viburnum sargentii</i> , <i>Xanthium chinense</i> , <i>X. japonicum</i> , <i>X. mongolicum</i> , <i>X. sibiricum</i> , <i>X. strumarium</i>
Caffeine	<i>Thea assamica</i> , <i>T. bohea</i> , <i>T. cantoniensis</i> , <i>T. chinensis</i> , <i>T. cochinchinensis</i> , <i>T. sinensis</i> , <i>T. viridis</i>
Cajuputol	<i>Melaleuca leucadendra</i>
Calamene	<i>Aconitium deinorrtuzum</i> , <i>Agastache rugosa</i> , <i>A. rugosa</i> f. <i>hypoleuca</i>
Calamenol	<i>Aconitium deinorrtuzum</i>
Calamenone	<i>Aconitium deinorrtuzum</i>
Calcium	<i>Duchesnea indica</i> , <i>Laminaria angusta</i> , <i>L. cichorioides</i> , <i>L. japonica</i> , <i>L. longipedalis</i> , <i>L. religiosa</i> , <i>Oxalis</i> <i>corriculaza</i> , <i>O. corymbosa</i> , <i>Phyllostachys bambusoide</i> , <i>P. nigra</i> , <i>Portulaca pilosa</i>
Calcium malate	<i>Euphorbia coraroides</i> , <i>E. lasiocaula</i> , <i>E. lunulata</i> , <i>E. pallasii</i> , <i>E. pekinensis</i> , <i>E. sampsoni</i> , <i>E. sieboldiana</i>
Calcium oxalate	<i>Acanthopanax gracilistylus</i> , <i>A. spinosum</i> , <i>Achyranthes japonica</i> , <i>Curculigo capitulata</i> , <i>C. ensifolia</i> , <i>C. malabarica</i> , <i>C. orchiodes</i> , <i>C. stams</i> , <i>Euphorbia coraroides</i> , <i>E. lasiocaula</i> , <i>E. lunulata</i> , <i>E. pallasii</i> , <i>E. pekinensis</i> , <i>E. sampsoni</i> , <i>E. sieboldiana</i> , <i>Sesamum indicum</i>

Calechin	<i>Rheum officinale</i> , <i>R. palmatum</i> , <i>R. tanguticum</i> , <i>R. undulatum</i> , <i>R. koreanum</i>
Calenduline	<i>Calendula officinalis</i>
Camelliagenins	<i>Camellia japonica</i>
Camellin	<i>Camellia japonica</i>
Campesterol	<i>Aleurites fordii</i> , <i>Arundinaria graminifolia</i> , <i>Cuscuta chinensis</i> , <i>C. europaea</i> , <i>C. japonica</i> , <i>C. lupuliformis</i> , <i>Dioscorea bulbifera</i> , <i>Lindera obtusiloba</i> , <i>Linum stelleroides</i> , <i>L. usitatissimum</i> , <i>Matteuccia struthiopteris</i> , <i>Rehmannia chinensis</i> , <i>R. glutinosa</i> , <i>Rubus coreanus</i> , <i>R. crataegifolius</i> , <i>R. matsumuranus</i> , <i>R. saxatilis</i> , <i>Schizonepeta multifida</i> , <i>S. tenuifolia</i> , <i>Syzygium aromaticum</i> , <i>Tamarindus indicus</i>
Camphene	<i>Anethum graveoleus</i> , <i>Aucklandia costus</i> , <i>A. lappa</i> , <i>Cunninghamia lanceolata</i> , <i>Curcuma longa</i> , <i>C. pallida</i> , <i>C. phaeocoulis</i> , <i>Daucus carota</i> , <i>Dryobalanops aromatica</i> , <i>D. camphora</i> , <i>Elettaria cardamomum</i> , <i>Hedychium coronarium</i> , <i>Ledum palustre</i> , <i>Lindera glauca</i> , <i>Liquidambar acerifolia</i> , <i>L. formosana</i> , <i>L. maximowiczii</i> , <i>Piper cubeba</i> , <i>Podocarpus macrophyllus</i> , <i>Poncirus trifoliata</i> , <i>Thymus vulgaris</i> , <i>Valeriana alternifolia</i> , <i>V. amurensis</i> , <i>V. fauriei</i> , <i>V. subbipinnatifolia</i> , <i>Vitex nequndo</i> , <i>V. trifolia</i> , <i>V. rotundifolia</i> , <i>Zingiber officinale</i>
Campherene	<i>Myristica fragrans</i>
Camphol	<i>Euphorbia humifusa</i> , <i>E. hirta</i>
Camphor	<i>Artemisia gmelini</i> , <i>Blumea balsumifera</i> , <i>B. lacera</i> , <i>Chrysanthemum jucundum</i> , <i>C. koraiense</i> , <i>C. morifolium</i> , <i>C. sinense</i> , <i>Curcuma longa</i> , <i>C. pallida</i> , <i>C. phaeocoulis</i> , <i>Kaempferia galanga</i>
Camphore	<i>Artemisia argyi</i> , <i>A. halodendron</i> , <i>A. igniaria</i> , <i>A. indica</i> , <i>A. integrifolia</i> , <i>A. japonica</i> , <i>A. keiskeana</i> , <i>A. lagocephala</i> , <i>A. lavandulaefolia</i> , <i>A. scoparia</i> , <i>A. selengensis</i> , <i>A. sieversiana</i> , <i>A. vulgarts</i> , <i>Chrysanthemum boreale</i> , <i>C. indicum</i> , <i>C. lavandulaefolium</i> , <i>C. procumbens</i> , <i>C. tripartium</i>
Camphorm citral	<i>Elettaria cardamomum</i>
Camptothecin	<i>Camptotheca acuminata</i>
Canaline	<i>Medicago falcata</i> , <i>M. lupulina</i> , <i>M. polymorpha</i> , <i>M. ruthenica</i> , <i>M. sativa</i>
Canavalia gibberellin I	<i>Canavalia gladiata</i> , <i>C. ensiformis</i>
Canavalia gibberellin II	<i>Canavalia gladiata</i> , <i>C. ensiformis</i>
Canavoline	<i>Canavalia gladiata</i> , <i>C. ensiformis</i>
Canavanine	<i>Astragalus complanatus</i> , <i>A. henyri</i> , <i>A. hoantchy</i> , <i>A. membranaceus</i> , <i>A. melilotoides</i> , <i>A. mongholicus</i> , <i>A. reflexistipulus</i> , <i>A. sinensis</i> , <i>A. chinensis</i> , <i>Canavalia gladiata</i> , <i>C. ensiformis</i>
Candicine	<i>Phellodendron amurense</i> , <i>P. chinensis</i>

Component	Source
Canescein	<i>Erysimum amurense</i> , <i>E. cheiranthoides</i>
Caniferyl aldehyde	<i>Santalum album</i> , <i>S. myrtifolium</i> , <i>S. verum</i>
Cannabidiol	<i>Cannabis chinensis</i> , <i>C. sativa</i>
Cannabinol	<i>Cannabis chinensis</i> , <i>C. sativa</i>
Caoutchoue	<i>Artocarpus heterophyllus</i>
Capadiene	<i>Cyperus rotundus</i>
Capillanol	<i>Artemisia capillaris</i>
Capillarin	<i>Artemisia capillaris</i>
Capillene	<i>Artemisia capillaris</i>
Capillin	<i>Artemisia capillaris</i>
Capillon	<i>Artemisia capillaris</i>
Capric acid	<i>Citrullus anguria</i> , <i>C. edulis</i> , <i>C. lanatus</i> , <i>C. vulgaris</i> , <i>Lindera obtusiloba</i> , <i>Ulmus campestris</i> , <i>U. macrocarpa</i> , <i>U. pumila</i>
Capronic acid	<i>Aquilegia vulgaris</i>
Caprylic	<i>Cymbopogon citratus</i>
Capsularin	<i>Corchorus capsularis</i> , <i>C. olitorius</i>
Carbohydrates	<i>Arachis hypogaea</i> , <i>Bauhinia championi</i> , <i>B. variegata</i> , <i>B. variegata. indicum</i> , <i>Triticum vulgare</i> , <i>Urtica</i> <i>angustifolia</i> , <i>U. cannabina</i> , <i>U. cannabina</i> , <i>U. lobata</i> , <i>U. tenacissima</i> , <i>U. urens</i> , <i>U. utillis</i> , <i>Zea mays</i>
Cardiac glucoside	<i>Thalictrum foetidum</i>
Cardoside	<i>Gardenia florida</i> , <i>G. grandiflora</i> , <i>G. maruba</i> , <i>G. pictorum</i> , <i>G. radicans</i>
Carene	<i>Juniperus rigida</i> , <i>Murraya paniculata</i> , <i>Piper cubeba</i>
Carenolide	<i>Periploca sepium</i>
Carosine	<i>Catharanthus roseus</i>
Carotenes	<i>Achillea alpina</i> , <i>A. millefolium</i> , <i>Aleurites moluceanu</i> , <i>Alpinia katsumadai</i> , <i>A. globosum</i> , <i>A. kumatake</i> , <i>Anthriscus aemula</i> , <i>A. sylvestris</i> , <i>Blumea lacera</i> , <i>Daucus carota</i> , <i>Eriobotrya japonica</i> , <i>Calendula</i> <i>officinalis</i> , <i>Gnaphalium affine</i> , <i>G. arenarium</i> , <i>G. confusum</i> , <i>G. javanum</i> , <i>G. luteo-album</i> , <i>G. multiceps</i> , <i>G. ramigerum</i> , <i>G. tranzschelii</i> , <i>G. uliginosum</i> , <i>Heracleum dissectum</i> , <i>H. lanatum</i> , <i>Lycium barbarum</i> , <i>L. megistocarpum</i> , <i>L. ovatum</i> , <i>L. trewianum</i> , <i>L. turbinatum</i> , <i>Polygonum bistorta</i> , <i>Sanguisorba officinalis</i> , <i>S. grandiflora</i> , <i>S. parviflora</i> , <i>S. x tenuifolia</i> , <i>Taraxacum officinale</i>

Carotenoids	<i>Cuscuta australis</i> , <i>Neosalsomitra integrifoliola</i> , <i>Spiraea salicifolia</i>
Carotol	<i>Daucus carota</i>
Carpylic acid	<i>Citrullus anguria</i> , <i>C. edulis</i> , <i>C. lanatus</i> , <i>C. vulgaris</i>
Cartharmin	<i>Carthamus tinctorius</i>
Carvacrol	<i>Thymus amurensis</i> , <i>T. disjunctus</i> , <i>T. kitagawianus</i> , <i>T. komarovii</i> , <i>T. przewalskii</i> , <i>T. quinquecostatus</i> , <i>T. vulgaris</i>
Carvone	<i>Chrysanthemum boreale</i> , <i>C. indicum</i> , <i>C. lavandulaefolium</i> , <i>C. procumbens</i> , <i>C. tripartium</i> , <i>L. aegyptiaca</i> , <i>L. cylindrica</i> , <i>L. faetida</i> , <i>L. petola</i>
Caryophyllene	<i>Agastache rugosa</i> , <i>A. rugosa</i> f. <i>hypoleuca</i> , <i>Cinnamomum zeglanicum</i> , <i>Daucus carota</i> , <i>Juniperus rigida</i> , <i>Lindera glauca</i> , <i>Luffa aegyptiaca</i> , <i>L. cylindrica</i> , <i>L. faetida</i> , <i>L. petola</i> , <i>Piper nigrum</i> , <i>Thuja koraiensis</i> , <i>T. orientalis</i> , <i>T. chinensis</i>
Caryophyllene oxide	<i>Vitex chinensis</i> , <i>V. jeguaod</i>
Cassiollin	<i>Cassia occidentalis</i> , <i>Cassia torosa</i>
Cassyfiline	<i>Cassytha filliformis</i>
Cassythidine	<i>Cassytha filliformis</i>
Cassythine	<i>Cassytha filliformis</i>
Casticin	<i>Vitex trifolia</i> , <i>V. rotundifolia</i> , <i>V. trifolia</i> , <i>V. rotundifolia</i> , <i>V. nequndo</i>
Castor oil	<i>Ricinus communis</i>
Catalpol	<i>Rehmannia chinensis</i> , <i>R. glutinosa</i> .
Catechin	<i>Cynomorium coccineum</i> , <i>C. songarium</i> , <i>Elaeagnus pungens</i> , <i>E. umbellata</i> , <i>Rosa acicularis</i> , <i>R. amygdalifolia</i> , <i>R. davurica</i> , <i>R. koreana</i> , <i>R. laevigata</i> , <i>R. maximowicziana</i> , <i>R. multiflora</i>
Catechin derivatives	<i>Agrimonia eupatoria</i> , <i>A. pilosa</i> , <i>A. viscidula</i>
Catecholamines	<i>Portulaca oleracea</i>
Catechutanic acid	<i>Acacia cutechu</i>
Cathartic acid	<i>Picrorhiza kurroa</i>
Caudoside	<i>Strophanthus divaricatus</i>
Caudostroside	<i>Strophanthus divaricatus</i>
Cauloside	<i>Caulophyllum robustum</i>
Celastral	<i>Tripterygium wilfordii</i>
Cellulose	<i>Quercus acutissima</i> , <i>Q. aliena</i> , <i>Q. dentata</i> , <i>Q. liaotungensis</i> , <i>Q. mongolica</i> , <i>Q. variabilis</i>

Component	Source
Celosiaol	<i>Celosia argentea</i> , <i>C. cristata</i>
Cembrene	<i>Commiphora myrrha</i>
Centaur X	<i>Conyza canadensis</i>
Cephaeline	<i>Alangium lamarckii</i>
Cephalomannine	<i>Taxus cuspidata</i> , <i>T. chinensis</i> , <i>T. yunnanensis</i>
Cephalotaxine	<i>Cephalotaxus fortunei</i> , <i>C. qinensis</i> , <i>C. oliveri</i> , <i>C. wilsoniana</i>
Cephalotaxinone	<i>Cephalotaxus fortunei</i> , <i>C. qinensis</i> , <i>C. oliveri</i> , <i>C. wilsoniana</i>
Cepharamine	<i>Stephania cepharantha</i>
Cepharanoline	<i>Stephania cepharantha</i>
Cepharanthine	<i>Stephania cepharantha</i>
Cerotic acid	<i>Ajuga bracteosa</i> , <i>Artocarpus heterophyllus</i> , <i>Plumeria rubra</i> , <i>Viola acuminata</i> , <i>V. alisoviana</i> , <i>V. collina</i> , <i>V. dissecta</i> , <i>V. mandshurica</i> , <i>V. patrini</i> , <i>V. prionantha</i> , <i>V. verecunda</i>
Cerotinic acid	<i>Ficus carica</i> , <i>Plumeria rubra</i>
Cerylalcohol	<i>Calendula officinalis</i> , <i>Chamaenerion angustifolium</i> , <i>Lactuca raddeana</i> , <i>L. indica</i> , <i>L. sativa</i>
Cerylic alcohol	<i>Taraxacum officinale</i>
Cevadine	<i>Caltha palustris</i>
Chalcone glucose	<i>Asarum europaeum</i> , <i>Glycyrrhiza pallidiflora</i> , <i>G. uralensis</i>
Chanerol	<i>Chamaenerion angustifolium</i>
Chatinine	<i>Valeriana alternifolia</i> , <i>V. amurensis</i> , <i>V. fauriei</i> , <i>V. subbipinnatifolia</i>
Chaulmoogric acid	<i>Hydnocarpus anthelmintica</i> , <i>H. castaneus</i>
Chavicine	<i>Piper nigrum</i>
Chavicol	<i>Eugenia aromatica</i> , <i>E. caryophyllata</i> , <i>E. ulmoides</i>
Chebolic acid	<i>Terminalia chebula</i>
Chebulinic acid	<i>Phyllanthus emblica</i> , <i>Terminalia chebula</i>
Chelerythrine	<i>Chelidonium album</i> , <i>C. hybridum</i> , <i>C. majus</i> , <i>C. serotinum</i> , <i>Macleaya cordata</i>
Chelidocystatin	<i>Chelidonium album</i> , <i>C. hybridum</i> , <i>C. majus</i> , <i>C. serotinum</i>
Chelidonine	<i>Chelidonium album</i> , <i>C. hybridum</i> , <i>C. majus</i> , <i>C. serotinum</i>
Chelilutine	<i>Macleaya cordata</i>

Chelirubine	<i>Macleaya cordata</i>
Chikusetsa saponin II	<i>Panax japonicum</i>
Chikusetsa saponin IV	<i>Panax japonicum</i>
Chimaphilin	<i>Chimaphila umbellata</i> , <i>Pyrola decorata</i> , <i>P. japonica</i> , <i>P. incarnata</i> , <i>P. renifolia</i> , <i>P. rotundifolia</i>
Chinic acid	<i>Chimaphila umbellata</i>
Chiretta	<i>Centaurium meyeri</i>
Chlogogenic acid	<i>Melilotus alba</i> , <i>M. suaveolens</i> , <i>M. indica</i>
Chlorogen acid	<i>Sambucus coreana</i> , <i>S. latipinna</i> , <i>S. manshurica</i> , <i>S. peninsularis</i> , <i>S. sieboldiana</i> , <i>S. williamsii</i>
Chlorogenic acid	<i>Ajuga bracteosa</i> , <i>Campanula glomerata</i> , <i>C. punctata</i> , <i>Cirsium albescens</i> , <i>C. brevicaulis</i> , <i>C. littorale</i> , <i>C. maakii</i> , <i>C. segetum</i> , <i>C. setosum</i> , <i>C. vlassovianum</i> , <i>Crataegus cuneata</i> , <i>C. chlorusarca</i> , <i>C. dahurica</i> , <i>C. maximowiczii</i> , <i>C. pentagyna</i> , <i>C. pinnatifida</i> , <i>C. sanguinea</i> , <i>Cucumis sativus</i> , <i>Elaeagnus pungens</i> , <i>E. umbellata</i> , <i>Inula britannica</i> , <i>I. japonica</i> , <i>I. linariaefolia</i> , <i>I. salsoloides</i> , <i>Lonicera acuminata</i> , <i>L. apodonta</i> , <i>L. brachypoda</i> , <i>L. japonica</i> , <i>L. confusa</i> , <i>L. hypoglauca</i> , <i>L. chinensis</i> , <i>L. flexuosa</i> , <i>L. maackii</i> , <i>Lythrum salicaria</i> , <i>Matteuccia struthiopteris</i> , <i>Polygonum aviculare</i> , <i>P. lapidosa</i> , <i>P. manshuriensis</i> , <i>P. vivipara</i> , <i>Senecio argunensis</i> , <i>S. nemorensis</i> , <i>S. scandens</i> , <i>Sesamum indicum</i> , <i>Solidago dahurica</i> , <i>S. pacifica</i> , <i>S. virgaurea</i> , <i>Urtica angustifolia</i> , <i>U. cannabina</i> , <i>U. lobata</i> , <i>U. tenacissima</i> , <i>U. urens</i> , <i>U. utillis</i> , <i>Viburnum sargentii</i>
Chlorogenin	<i>Gardenia angusta</i> , <i>G. jasminoides</i>
Chlorophenolic acid	<i>Euphorbia hirta</i>
Chloroquine	<i>Artemisia annua</i> , <i>A. apiacea</i>
Cholestanol	<i>Rubus coreanus</i> , <i>R. crataegifolius</i> , <i>R. matsumuranus</i> , <i>R. saxatilis</i>
Cholesterol	<i>Cuscuta chinensis</i> , <i>C. europaea</i> , <i>C. japonica</i> , <i>C. lupuliformis</i> , <i>Linum stelleroides</i> , <i>L. usitatissimum</i> , <i>Pedicularis resupinata</i>
Choline	<i>Caltha palustris</i> , <i>Cannabis chinensis</i> , <i>C. sativa</i> , <i>Capsella bursa-pastoris</i> , <i>Cephalanoplos segetum</i> , <i>Chrysanthemum jucundum</i> , <i>C. koratense</i> , <i>C. morifolium</i> , <i>C. sinense</i> , <i>C. cinerriaefolium</i> , <i>Dictamnus albus</i> , <i>D. dasycarpus</i> , <i>Dioscorea opposita</i> , <i>Diospyros chinensis</i> , <i>D. costata</i> , <i>D. khaki</i> , <i>D. lotus</i> , <i>D. roxburgii</i> , <i>Firmiana simplex</i> , <i>Glycine max</i> , <i>G. soja</i> , <i>Humulus scandens</i> , <i>Hyoscyamus bohemicus</i> , <i>Menyanthes trifoliata</i> , <i>Pinellia ternata</i> , <i>P. tuberifera</i> , <i>Pyrethrum cinerariifolium</i> , <i>P. sinense</i> , <i>Sesamum indicum</i> , <i>Solanum lyratum</i> , <i>S. melongena</i> , <i>Taraxacum officinale</i> , <i>T. formosanum</i> , <i>Tetragonia tetragonoides</i> , <i>Viscum album</i>
Choline asparaginer	<i>Humulus lupulus</i>

Component	Source
Chromone	<i>Carum carvi</i> , <i>Ligusticum jeholense</i> , <i>L. pyrenacum</i> , <i>L. sinense</i> , <i>L. tenuissimum</i>
Chrysanthemaxanthin	<i>Chrysanthemum boreale</i> , <i>C. indicum</i> , <i>C. lavandulaefolium</i> , <i>C. procumbens</i> , <i>C. tripartium</i> , <i>Senecio argunensis</i> , <i>S. nemorensis</i> , <i>S. scandens</i>
Chrysanthemnin	<i>Chrysanthemum jucundum</i> , <i>C. koraiense</i> , <i>C. morifolium</i> , <i>C. sinense</i>
Chrysanthinin	<i>Chrysanthemum boreale</i> , <i>C. indicum</i> , <i>C. lavandulaefolium</i> , <i>C. procumbens</i> , <i>C. tripartium</i>
Chrysarobin	<i>Cassia siamea</i>
Chryso-obtusin	<i>Cassia nomame</i> , <i>C. obtusifolia</i> , <i>C. tora</i>
Chrysophanein	<i>Rumex acetosa</i> , <i>R. acetosella</i> , <i>R. amurensis</i> , <i>R. aquaticus</i> , <i>R. gmelini</i> , <i>R. longifolius</i> , <i>R. maritimus</i> , <i>R. marschallianus</i> , <i>R. stenophyllus</i> , <i>R. thyrsoiflorus</i> , <i>R. crispus</i> , <i>R. japonicus</i>
Chrysophanic acid	<i>Cassia alata</i> , <i>C. siamea</i> , <i>Duchesnea indica</i> , <i>Polygonum multifolrum</i> , <i>P. chinensis</i>
Chrysophanol	<i>Cassia nomame</i> , <i>C. obtusifolia</i> , <i>C. tora</i> , <i>Polygonum perfoliatum</i> , <i>P. tinctorium</i> , <i>P. multifolrum</i> , <i>P. chinensis</i> , <i>Rhamnus davurica</i> , <i>R. parvifolia</i> , <i>Rumex acetosa</i> , <i>R. acetosella</i> , <i>R. amurensis</i> , <i>R. aquaticus</i> , <i>R. gmelini</i> , <i>R. longifolius</i> , <i>R. maritimus</i> , <i>R. marschallianus</i> , <i>R. patientia</i> , <i>R. stenophyllus</i> , <i>R. thyrsoiflorus</i> , <i>R. officinale</i> , <i>R. palmatum</i> , <i>R. tanguticum</i> , <i>R. undulatum</i> , <i>R. koreanum</i>
Cicerose	<i>Isatis chinensis</i> , <i>I. chinensis</i> , <i>I. tinctoria</i>
Cimifugenol	<i>Cimicifuga dahurica</i> , <i>C. foetida</i> , <i>C. heracleifolia</i> , <i>C. racemosa</i> , <i>C. ussuriensis</i>
Cimigenol	<i>Cimicifuga dahurica</i> , <i>C. foetida</i> , <i>C. heracleifolia</i> , <i>C. racemosa</i> , <i>C. ussuriensis</i>
Cimitin	<i>Cimicifuga dahurica</i> , <i>C. foetida</i> , <i>C. heracleifolia</i> , <i>C. racemosa</i> , <i>C. ussuriensis</i>
Cincholic acid	<i>Adina rubella</i> , <i>A. ratemosa</i>
Cincole	<i>Alpinia oxyphylla</i>
Cineol acid	<i>Alpinia officinarum</i> , <i>Artemisia argyi</i> , <i>A. halodendron</i> , <i>A. igniaria</i> , <i>A. indica</i> , <i>A. integrifolia</i> , <i>A. japonica</i> , <i>A. keiskeana</i> , <i>A. lagocephala</i> , <i>A. lavandulaefolia</i> , <i>A. scoparia</i> , <i>A. selengensis</i> , <i>A. sieversiana</i> , <i>A. vulgarts</i> , <i>Chrysanthemum boreale</i> , <i>C. indicum</i> , <i>C. lavandulaefolium</i> , <i>C. procumbens</i> , <i>C. tripartium</i> , <i>Eucalyptus robusta</i> , <i>Kaempferia galanga</i> , <i>Magnolia biloba</i> , <i>M. denudata</i> , <i>M. discolor</i> , <i>M. liliflora</i> , <i>M. purpurea</i> , <i>Piper cubeba</i> , <i>Vitex nequundo</i>
Cineole	<i>Alpinia japonica</i> , <i>A. katsumadai</i> , <i>A. globosum</i> , <i>A. kumatake</i> , <i>Artemisia brachyloba</i> , <i>A. gmelini</i> , <i>Blumea balsumifera</i> , <i>B. lacera</i> , <i>B. balsumifera</i> , <i>Cinnamomum camphora</i> , <i>Cunninghamia lanceolata</i> , <i>Curcuma pallida</i> , <i>C. phaeocoulis</i> , <i>Elettaria cardamomum</i> , <i>Lindera glauca</i> , <i>Liquidambar acerifolia</i> , <i>L. formosana</i> , <i>L. maximowiczii</i> , <i>L. acerifolia</i> , <i>Melaleuca leucadendra</i> , <i>Menyanthes trifoliata</i>

Cinnamic acid	<i>Cinnamomum aromaticum</i> , <i>C. cassia</i> , <i>Daemonorops draco</i> , <i>Lycium chinense</i>
Cinnamic aldehyde	<i>Cinnamomum aromaticum</i> , <i>C. cassia</i> , <i>C. aromaticum</i> , <i>C. cassia</i> , <i>C. zeglanicum</i>
Cinnamyl acetate	<i>Cinnamomum aromaticum</i> , <i>C. cassia</i>
Cinnamylococaine	<i>Erythroxylum coca</i>
Cissamine	<i>Cissampelos pareira</i>
Cissampareine	<i>Cissampelos pareira</i>
Citral	<i>Alpinia katsumadai</i> , <i>A. globosum</i> , <i>A. kumatake</i> , <i>Blumea lacera</i> , <i>Citrus deliciosa</i> , <i>C. nobilis</i> , <i>C. reticulata</i> , <i>Cymbopogon citratus</i> , <i>Daucus carota</i> , <i>Litsea cubeba</i> , <i>Magnolia biloba</i> , <i>M. denudata</i> , <i>M. discolor</i> , <i>M. liliflora</i> , <i>M. purpurea</i> , <i>Rosa rugosa</i> , <i>Xanthoxylum piperitum</i> , <i>Thymus vulgaris</i> , <i>Zingiber officinale</i>
Citrene	<i>Cunninghamia lanceolata</i>
Citric acid	<i>Capsella bursa-pastoris</i> , <i>Chaenomeles japonica</i> , <i>C. sinensis</i> , <i>C. speciosa</i> , <i>Crataegus cuneata</i> , <i>C. chlorusarca</i> , <i>C. dahurica</i> , <i>C. maximowiczii</i> , <i>C. pentagyna</i> , <i>C. pinnatifida</i> , <i>C. sanguinea</i> , <i>Cydonia</i> <i>sinensis</i> , <i>Drosera anglica</i> , <i>D. burmanni</i> , <i>D. rotundifolia</i> , <i>Eriobotrya japonica</i> , <i>Lacutca raddeana</i> , <i>L. indica</i> , <i>L. sativa</i> , <i>Litchi chinensis</i> , <i>Oxalis corriculaza</i> , <i>O. corymbosa</i> , <i>Prunus domestica</i> , <i>P. glandulosa</i> , <i>P. japonica</i> , <i>P. mume</i> <i>P. persica</i> , <i>Ribes mandshurica</i> , <i>Viburnum sargentii</i>
Citrifoliol	<i>Poncirus trifoliata</i>
Citrogellol	<i>Cymbopogon citratus</i>
Citrol	<i>Magnolia biloba</i> , <i>M. denudata</i> , <i>M. discolor</i> , <i>M. liliflora</i> , <i>M. purpurea</i> , <i>Rosa rugosa</i>
Citronellal	<i>Cymbopogon citratus</i> , <i>Elettaria cardamomum</i>
Citronellic	<i>Cymbopogon citratus</i>
Citronellol	<i>Daucus carota</i> , <i>Elettaria cardamomum</i> , <i>Juniperus rigida</i> , <i>Plumeria rubra</i> , <i>Vitex nequundo</i> , <i>Xanthoxylum</i> <i>piperitum</i> , <i>Zanthoxylum schinifolium</i>
Citrulline	<i>Citrullus anguria</i> , <i>C. edulis</i> , <i>C. lanatus</i> , <i>C. vulgaris</i> , <i>Medicago falcata</i> , <i>M. lupulina</i> , <i>M. polymorpha</i> , <i>M. ruthenica</i> , <i>M. sativa</i>
Clavatine	<i>Lycopodium clavatum</i> , <i>L. obscurum</i> , <i>L. selago</i> , <i>L. serratum</i> , <i>L. annotinum</i> , <i>L. cernum</i> , <i>L. compianatum</i>
Clavatoxine	<i>Lycopodium clavatum</i> , <i>L. obscurum</i> , <i>L. selago</i> , <i>L. serratum</i>
Clavoloninine	<i>Lycopodium clavatum</i> , <i>L. obscurum</i> , <i>L. selago</i> , <i>L. serratum</i>
Clematoside A	<i>Clematis intriicata</i> , <i>C. mandshurica</i>
Cleomin	<i>Cleome spinosa</i> , <i>C. gynandra</i> , <i>C. viscosa</i>
Clerodendrin	<i>Clerodendrum trichotomum</i> , <i>C. spicatus</i>

Component	Source
Clerodolone	<i>Clerodendrum trichotomum</i> , <i>C. spicatus</i>
Clerosterol	<i>Clerodendrum fragrans</i>
Clividine	<i>Clivia miniata</i>
Clovene	<i>Zanthaxylum bungeanum</i>
Cnidiadin	<i>Cnidium monnieri</i>
Cnidilide	<i>Ligusticum chuanziang</i>
Cnidimine	<i>Cnidium monnieri</i>
Cocculolidine	<i>Cocculus laurifolius</i> , <i>C. sarmentosus</i> , <i>C. trilobus</i>
Coclobine	<i>Cocculus laurifolius</i> , <i>C. sarmentosus</i> , <i>C. trilobus</i>
Codeine	<i>Papaver somniferum</i>
Coixenolide	<i>Coix agrestis</i> , <i>C. chinensis</i> , <i>C. lachryma</i>
Coixol	<i>Coix agrestis</i> , <i>C. chinensis</i> , <i>C. lachryma</i>
Colchicine	<i>Iphigenia indica</i> , <i>Lilium brownii</i> , <i>L. concolor</i> , <i>L. dauricum</i> , <i>L. distichum</i> , <i>L. japonicum</i> , <i>L. lancifolium</i> , <i>L. pumilum</i> , <i>Tulipa edulis</i> , <i>T. gesneriana</i>
Colchicine amide	<i>Iphigenia indica</i>
Columbamine	<i>Coptis chinensis</i> , <i>C. japonica</i> , <i>C. teeta</i> , <i>Corydalis ambigua</i> , <i>C. repens</i> , <i>C. turtschaninovii</i> , <i>C. yanhusuo</i> , <i>C. ternata</i>
Columbianetin	<i>Cnidium monnieri</i>
Comarinic acid- β -glucoside	<i>Hierochloe odorata</i>
Commelin	<i>Commelina communis</i>
Complanatine	<i>Lycopodium annotinum</i> , <i>L. cernum</i> , <i>L. compianatum</i>
Condensed tannin	<i>Leucaena leucocephala</i>
Condurangin	<i>Hoya carnosia</i>
Confertifolin	<i>Persicaria hydropiper</i>
Coniferyl alcohol	<i>Blumea lacera</i>
Coniferyl cinnamate	<i>Styrax tonkinensis</i> , <i>S. benzoin</i>
Convallamarin	<i>Convallaria keiskei</i> , <i>Polygonatum chinense</i> , <i>P. cirrhifolium</i> , <i>P. macropodium</i> , <i>P. officinale</i> , <i>P. sibiricum</i> , <i>P. stenophyllum</i> , <i>P. odoratum</i> , <i>P. vulgare</i>

Convallarin	<i>Polygonatum chinense</i> , <i>P. cirrhifolium</i> , <i>P. macropodium</i> , <i>P. officinale</i> , <i>P. sibiricum</i> , <i>P. stenophyllum</i> , <i>P. odoratum</i> , <i>P. vulgare</i>
Convallatoxin	<i>Adonis chrysocyathus</i> , <i>A. brevistyla</i> , <i>A. vernalis</i> , <i>Antiaris toxicaris</i> , <i>Convallaria keiskei</i>
Convallatoxol	<i>Convallaria keiskei</i>
Convalloside	<i>Convallaria keiskei</i>
Copaene	<i>Artemisia lactiflora</i>
Coptisine	<i>Chelidonium album</i> , <i>C. hybridum</i> , <i>C. majus</i> , <i>C. serotinum</i> , <i>Coptis chinensis</i> , <i>C. japonica</i> , <i>C. teeta</i> , <i>Corydalis</i> <i>ambigua</i> , <i>C. repens</i> , <i>C. turtchaninovii</i> , <i>C. yanhusuo</i> , <i>C. ternata</i> , <i>C. incisa</i> , <i>C. bungeana</i> , <i>Macleaya</i> <i>cordata</i> , <i>Papaver amurense</i> , <i>P. nudicaule</i> , <i>P. radiculatum</i> , <i>T. aquilegifolium</i> , <i>T. baicalense</i> , <i>T. fauriei</i> , <i>T. petaloideum</i> , <i>T. simplex</i> , <i>T. squarrosus</i> , <i>T. thunbergii</i>
Corchorin	<i>Corchorus capsularis</i> , <i>C. olitorius</i>
Corchoritin	<i>Corchorus capsularis</i> , <i>C. olitorius</i>
Corchoroside A	<i>Adonis chrysocyathus</i> , <i>A. brevistyla</i> , <i>A. vernalis</i> , <i>Corchorus olitorius</i> , <i>Erysimum amurense</i> , <i>E. cheiranthoides</i>
Corchotoxin	<i>Corchorus capsularis</i> , <i>C. olitorius</i>
Cordycepic acid	<i>Veronica linariaefolia</i>
Cordycepin	<i>Cordyceps sinensis</i>
Coreximine	<i>Corydalis incisa</i> , <i>C. bungeana</i>
Coriandrol	<i>Coriandrum sativum</i>
Corilagin	<i>Sepium sebiferum</i> , <i>S. discolor</i>
Cornigerine	<i>Iphigenia indica</i>
Cornin	<i>Cornus officinalis</i> , <i>Macrocarpium officinalis</i>
Corosolic acid	<i>Crataegus cuneata</i> , <i>C. chlorusarca</i> , <i>C. dahurica</i> , <i>C. maximowiczii</i> , <i>C. pentagyna</i> , <i>C. pinnatifida</i> , <i>C. sanguinea</i>
Corticosteroids	<i>Costus speciosus</i>
Corycavine	<i>Corydalis incisa</i> , <i>C. bungeana</i>
Corydalamine	<i>Corydalis ambigua</i> , <i>C. repens</i> , <i>C. turtchaninovii</i> , <i>C. yanhusuo</i> , <i>C. ternata</i>
Corydalis	<i>Corydalis ambigua</i> , <i>C. repens</i> , <i>C. turtchaninovii</i> , <i>C. yanhusuo</i> , <i>C. ternata</i>
Corydamine	<i>Corydalis incisa</i> , <i>C. bungeana</i>
Coryfolin	<i>Psoralea corylifolia</i>
Corylifolinin	<i>Psoralea corylifolia</i>

Component	Source
Corynantheine	<i>Uncaria hirsuta</i> , <i>U. rhynchophylla</i>
Corynoline	<i>Corydalis incisa</i> , <i>C. bungeana</i>
Corynoloxin	<i>Corydalis incisa</i> , <i>C. bungeana</i>
Corynoxine	<i>Uncaria hirsuta</i> , <i>U. rhynchophylla</i>
Cosin	<i>Astragalus complanatus</i> , <i>A. henryi</i> , <i>A. hoantchy</i> , <i>A. membranaceus</i> , <i>A. melilotoides</i> , <i>A. mongholicus</i> , <i>A. reflexistipulus</i> , <i>A. sinensis</i>
Cosmosiin	<i>Agrimonia eupatoria</i> , <i>A. pilosa</i> , <i>A. viscidula</i> , <i>Chrysanthemum jucundum</i> , <i>C. koraiense</i> , <i>C. morifolium</i> , <i>C. sinense</i>
Costene	<i>Aucklandia costus</i> , <i>A. lappa</i>
Costol	<i>Aucklandia costus</i> , <i>A. lappa</i>
Costulactone	<i>Aucklandia costus</i> , <i>A. lappa</i>
Costunolide	<i>Eupatorium formosanum</i>
Coumarinic acid	<i>Melilotus alba</i> , <i>M. suaveolens</i> , <i>M. indica</i>
Coumarins	<i>Achillea alpina</i> , <i>A. millefolium</i> , <i>Ageratum conyzoides</i> , <i>A. houstonianum</i> , <i>Alternanthera philoxeroides</i> , <i>A. sessilis</i> , <i>Angelica pubescens</i> , <i>Anthriscus aemula</i> , <i>A. sylvestris</i> , <i>Artemisia lactiflora</i> , <i>Astragalus complanatus</i> , <i>A. henryi</i> , <i>A. hoantchy</i> , <i>A. membranaceus</i> , <i>A. melilotoides</i> , <i>A. mongholicus</i> , <i>A. reflexistipulus</i> , <i>A. sinensis</i> , <i>Bidens tripartita</i> , <i>Coriandrum sativum</i> , <i>Carum carvi</i> , <i>C. aromaticum</i> , <i>C. cassia</i> , <i>Heracleum dissectum</i> , <i>H. lanatum</i> , <i>Hierochloe odorata</i> , <i>Ligusticum jeholense</i> , <i>L. pyrenacum</i> , <i>L. sinense</i> , <i>L. tenuissimum</i> , <i>Peucedanum formosanum</i> , <i>Polygonum bistorta</i> , <i>Rhododendron mucronatum</i> , <i>Sanguisorba officinalis</i> , <i>S. grandiflora</i> , <i>S. parviflora</i> , <i>S. x tenuifolia</i> , <i>S. chinensis</i> , <i>S. baicalensis</i> , <i>S. japonica</i> , <i>Taraxacum officinale</i>
Coumaroylquinic acid	<i>Campanula glomerata</i> , <i>C. punctata</i>
Coumesterol	<i>Medicago falcata</i> , <i>M. lupulina</i> , <i>M. polymorpha</i> , <i>M. ruthenica</i> , <i>M. sativa</i>
Crataegol acid	<i>Syzygium aromaticum</i>
Crataegolic acid	<i>Chamaenerion angustifolium</i> , <i>Crataegus cuneata</i> , <i>C. chlorusarca</i> , <i>C. dahurica</i> , <i>C. maximowiczii</i> , <i>C. pentagyna</i> , <i>C. pinnatifida</i> , <i>C. sanguinea</i> , <i>Psidium guajava</i>
Crocetin	<i>Crocus sativus</i>
Crocetin di-glucose ester	<i>Crocus sativus</i>
Crocetin geniobiose glucose ester	<i>Crocus sativus</i>

Crocin	<i>Crocus sativus</i> , <i>Croton cascarilloides</i> , <i>C. tiglium</i>
Croton resin	<i>Croton cascarilloides</i> , <i>C. tiglium</i>
Crotonic acid	<i>Croton cascarilloides</i> , <i>C. tiglium</i>
Crotonoside	<i>Croton cascarilloides</i> , <i>C. tiglium</i>
Crybulbine	<i>Corydalis ambigua</i> , <i>C. repens</i> , <i>C. turtschaninovii</i> , <i>C. yanhusuo</i> , <i>C. ternata</i>
Cryptone	<i>Piper nigrum</i>
Cryptopine	<i>Thalictrum aquilegifolium</i> , <i>T. baicalense</i> , <i>T. fauriei</i> , <i>T. petaloideum</i> , <i>T. simplex</i> , <i>T. squarrosum</i> , <i>T. thunbergii</i>
Cryptotaenen	<i>Cryptotaenia japonica</i> , <i>C. canadensis</i>
Cryptotanshinone	<i>Salvia miltiorhiza</i>
Cryptoxanthin	<i>Hippophae rhamnoides</i> , <i>Physalis alkekengi</i> , <i>Taraxacum mongolicum</i> , <i>T. sinicum</i>
Cryptomeridiol	<i>Magnolia hypoleuca</i> , <i>M. officinalis</i> , <i>M. japonica</i>
Crytoxanthin	<i>Eriobotrya japonica</i>
Cubebin	<i>Piper cubeba</i>
Cucurbitacin B	<i>Cucumis melo</i> , <i>Neoalsomitra integrifoliola</i>
Cucurbitacin E	<i>Cucumis melo</i>
Cucurbitacins	<i>Anagalis arvensis</i> , <i>Citrullus anguria</i> , <i>C. edulis</i> , <i>C. lanatus</i> , <i>C. vulgaris</i> , <i>Cucumis sativus</i>
Cucurbitine	<i>Cucurbita moschata</i> , <i>C. pepo</i>
Cuercetin	<i>Fagopyrum esculentum</i> , <i>F. sagittatum</i>
Cumaldehyde	<i>Cinnamomum camphora</i>
Cumaric acid	<i>Melilotus alba</i> , <i>M. suaveolens</i> , <i>M. indica</i>
Cumarin	<i>Eupatorium chinense</i> , <i>E. lindleyanum</i> , <i>E. japonicum</i>
Cumic alcohol	<i>Zanthoxylum bungeanum</i>
Cuminic aldehyde	<i>Cinnamomum zeglanicum</i>
Cumulene	<i>Conyza canadensis</i>
Curcasin	<i>Jatropha gossypifolia</i> , <i>J. curcas</i>
Curcin	<i>Jatropha gossypifolia</i> , <i>J. curcas</i>
Curcolone	<i>Curcuma longa</i> , <i>C. zedoaria</i> , <i>C. aromatica</i> , <i>C. kwangsiensis</i>
Curcumin	<i>Curcuma longa</i> , <i>C. zedoaria</i> , <i>C. aromatica</i> , <i>C. kwangsiensis</i> , <i>C. pallida</i> , <i>C. phaeocoulis</i>
Curcuminoids diferuloylmethane	<i>Zingiber zerumbet</i>
Curcumol	<i>Curcuma longa</i>

Component	Source
Curdione	<i>Curcuma zedoaria</i> , <i>C. aromatica</i> , <i>C. kwangsiensis</i> , <i>C. longa</i>
Curmarin	<i>Curcuma longa</i>
Curzenene	<i>Curcuma zedoaria</i> , <i>C. aromatica</i> , <i>C. kwangsiensis</i> , <i>C. longa</i>
Curzerenone	<i>Curcuma zedoaria</i> , <i>C. aromatica</i> , <i>C. kwangsiensis</i>
Cuscutalin	<i>Cuscuta chinensis</i> , <i>C. europaea</i> , <i>C. japonica</i> , <i>C. lupuliformis</i>
Cuscutin	<i>Cuscuta chinensis</i> , <i>C. europaea</i> , <i>C. japonica</i> , <i>C. lupuliformis</i>
Custeodynine	<i>Osmunda japonica</i>
Cyandidin-3-sophoroside	<i>Hibiscus rosa-sinensis</i> , <i>H. rhombifolius</i>
Cyanic acid	<i>Nandina domestica</i>
Cyanidin	<i>Fagopyrum esculentum</i> , <i>F. sagittatum</i> , <i>Parthenocissus tricuspidata</i> , <i>Perilla frutescens</i> , <i>P. ocyroides</i> , <i>P. polystachya</i> , <i>P. arguta</i> , <i>Prunella vulgaris</i>
Cyanidin-3-gentiobioside	<i>Solidago dahurica</i> , <i>S. pacifica</i> , <i>S. virgaurea</i>
Cyanidin-3-glucoside	<i>Solidago dahurica</i> , <i>S. pacifica</i> , <i>S. virgaurea</i>
Cyanidin-3-monogalactoside	<i>Lythrum salicaria</i>
Cyanidin-3-rutinoside	<i>Campsis adrepens</i> , <i>C. chinensis</i> , <i>C. grandiflora</i>
Cyanidin diglycoside	<i>Tagetes patula</i>
Cyanidin rhamno-glucoside	<i>Syzygium cuminii</i>
Cyanin	<i>Rosa rugosa</i>
Cyanogenic glucoside	<i>Ageratum conyzoides</i> , <i>A. houstonianum</i> , <i>Flagellaria indica</i>
Cyasterone	<i>Trillium camschatcense</i>
Cyclanoline	<i>Aristolochia debilis</i> , <i>Stephania japonica</i> , <i>S. tetrandraq</i> , <i>S. cepharantha</i>
Cycloarternol	<i>Abrus precatorius</i> , <i>Euphorbia antiquorum</i>
Cycloastrangenol	<i>Astragalus complanatus</i> , <i>A. henyri</i> , <i>A. hoantchy</i> , <i>A. membranaceus</i> , <i>A. melilotoides</i> , <i>A. mongholicus</i> , <i>A. reflexistipulus</i> , <i>A. sinensis</i>
Cycloencalenol	<i>Melia japonica</i> , <i>M. toosendan</i> , <i>M. azedarach</i>
Cyclomonervioid	<i>Nervilia purpurea</i>
Cyclomulberrochromene	<i>Morus alba</i> , <i>M. constantinopolitana</i> , <i>M. indica</i>
Cyclonervilol	<i>Nervilia purpurea</i>

Cyclonerviol	<i>Nervilia purpurea</i>
Cycloprotobuxamines	<i>Buxus microphylla</i>
Cycloprotobuxines	<i>Buxus harlandii</i> , <i>B. microphylla</i>
Cycloshikonin	<i>Lithospermum erythrorhizon</i> , <i>L. officinalis</i>
Cyclovivobuxine C	<i>Buxus microphylla</i>
Cyclovivobuxine D	<i>Buxus harlandii</i> , <i>B. microphylla</i>
Cylindrin	<i>Imperata arundinaceae</i> , <i>I. cylindrica</i> , <i>Lophatherum gracile</i>
Cymarín	<i>Apocynum venetum</i>
Cymarol	<i>Adonis chrysocyathus</i> , <i>A. brevistyla</i> , <i>A. vernalis</i>
Cymbopogonol	<i>Cymbopogon citratus</i>
Cymene	<i>Agastache rugosa</i> , <i>A. rugosa</i> f. <i>hypoleuca</i> , <i>Coriandrum sativum</i> , <i>Myristica fragrans</i>
Cynanchin	<i>Cynanchum atratum</i> , <i>C. auriculatum</i>
Cynanchocerin	<i>Cynanchum atratum</i> , <i>C. auriculatum</i>
Cynanchol	<i>Cynanchum atratum</i> , <i>C. auriculatum</i>
Cynarin	<i>Senecio argunensis</i> , <i>S. nemorensis</i> , <i>S. scandens</i>
Cyperoone	<i>Cyperus rotundus</i>
Cyrtomin	<i>Cyrtomium falcatum</i>
Cysteic acid	<i>Taraxacum mongolicum</i> , <i>T. sinicum</i>
Cysteine	<i>Taraxacum mongolicum</i> , <i>T. sinicum</i>
Cystine	<i>Taraxacum mongolicum</i> , <i>T. sinicum</i>
Cytisine	<i>Sophora tomatosa</i> , <i>S. flavescens</i> , <i>S. alopecuroides</i>
Cytochrome C	<i>Ricinus communis</i>
Cytokinin	<i>Ginkgo biloba</i>
d-abscisín	<i>Dioscorea batatas</i>
d-apiose	<i>Lemnaphyllum microphyllum</i>
d-backuchiol	<i>Psoralea corylifolia</i>
d-borneol	<i>Amomum cardamomum</i> , <i>A. globosum</i> , <i>A. tsao-ko</i> , <i>A. villosum</i> , <i>A. xanthloides</i> , <i>Zingiber officinale</i>
d-camphor	<i>Achillea alpina</i> , <i>A. millefolium</i> , <i>A. cardamomum</i> , <i>A. globosum</i> , <i>A. tsao-ko</i> , <i>A. villosum</i> , <i>A. xanthloides</i> , <i>Aconitium deinorrtuzum</i> , <i>Chenopodium ambrosioides</i> , <i>Cinnamomum camphora</i> , <i>Prunella vulgaris</i>
d-carvone	<i>Anethum graveoleus</i> , <i>Carum carvi</i>

Component	Source
d-catechin	<i>Acacia catechu</i> , <i>C. cuneata</i> , <i>C. chlorusarca</i> , <i>C. dahirica</i> , <i>C. maximowiczii</i> , <i>C. pentagyna</i> , <i>C. pinnatifida</i> , <i>C. sanguinea</i> , <i>Potentilla bifurca</i> , <i>P. chinensis</i> , <i>P. discolor</i> , <i>P. fragariodes</i> , <i>P. freyaiana</i> , <i>P. kleiniana</i>
d-catechol	<i>Camellia japonica</i> , <i>Polygonum aviculare</i> , <i>Vaccinium bracteatum</i> , <i>V. vitis-idaea</i>
d-corydaline	<i>Corydalis ambigua</i> , <i>C. repens</i> , <i>C. turtchaninovii</i> , <i>C. yanhusuo</i> , <i>C. ternata</i>
d-fenchone	<i>Foeniculum officinale</i> , <i>F. vulgare</i> , <i>Prunella vulgaris</i>
d-fructose	<i>Sagittardia sagittifolia</i>
d-galactose	<i>Sagittardia sagittifolia</i> , <i>Sesbinia javanica</i>
d-galacturonic acid	<i>Malva chinensis</i> , <i>M. pulchella</i> , <i>M. verticillata</i> , <i>M. sylvestris</i> , <i>Plantago asiatica</i> , <i>P. depressa</i> , <i>P. exaltata</i> , <i>P. loureiri</i> , <i>P. major</i>
d-galocatechol	<i>Vaccinium bracteatum</i> , <i>V. vitis-idaea</i>
d-glucaric acid	<i>Ginkgo biloba</i>
d-glucose	<i>Bupleurum chinense</i> , <i>B. falcatum</i> , <i>B. scorzoneraefolium</i> , <i>Selaginella involvens</i> , <i>S. doederleinii</i> , <i>Solanum incanum</i>
d-guereitol	<i>Cissampelos pareira</i>
d-isochondrodendrine	<i>Cissampelos pareira</i>
d-limonene	<i>Agastache rugosa</i> , <i>A. rugosa</i> f. <i>hypoleuca</i> , <i>Carum carvi</i> , <i>Elettaria cardamomum</i> , <i>Schizonepeta multifida</i> , <i>S. tenuifolia</i> , <i>Tagetes erecta</i>
d-lupaine	<i>Lupinus luteus</i>
d-mannitol	<i>Ailanthus altissima</i> , <i>Cordyceps sinensis</i>
d-mannose	<i>Sesbinia javanica</i>
d-matrine	<i>Sophora flavescens</i> , <i>S. alopecuroides</i>
d-menthone	<i>Schizonepeta multifida</i> , <i>S. tenuifolia</i>
d-N-methylpseudoephedrine	<i>Ephedra distachya</i> , <i>E. equisetina</i> , <i>E. intermedia</i> , <i>E. monosperma</i> , <i>E. sinica</i>
d-oxymatrine	<i>Sophora flavescens</i> , <i>S. alopecuroides</i>
d-pinene	<i>Agastache rugosa</i> , <i>A. rugosa</i> f. <i>hypoleuca</i>
d-pseudoephedrinem	<i>Ephedra distachya</i> , <i>E. equisetina</i> , <i>E. intermedia</i> , <i>E. monosperma</i> , <i>E. sinica</i>
d-raffinose	<i>Sagittardia sagittifolia</i>
d-sesamine	<i>Acanthopanax giraldii</i>
d-sophoranol	<i>Sophora flavescens</i> , <i>S. alopecuroides</i>

d-stachyose	<i>Sagittardia sagittifolia</i>
d-terpineol	<i>Valeriana alternifolia</i> , <i>V. amurensis</i> , <i>V. fauriei</i> , <i>V. subbipinnatifolia</i>
d-tetrahydropalmitate	<i>Corydalis decumbens</i>
d-tetrandrine	<i>Stephania tetrandra</i>
d-verbascose	<i>Sagittardia sagittifolia</i>
d-xylose	<i>Plantago asiatica</i> , <i>P. depressa</i> , <i>P. exaltata</i> , <i>P. loureiri.</i> , <i>P. major</i>
Daechu alkaloids	<i>Ziziphus jujuba</i> , <i>Z. spinosa</i>
Daidzein	<i>Glycine max</i> , <i>G. soja</i> , <i>Medicago falcata</i> , <i>M. lupulina</i> , <i>M. polymorpha</i> , <i>M. ruthenica</i> , <i>M. sativa</i> , <i>Pueraria lobata</i> , <i>P. pseudo-hirsuta</i> , <i>Sophora subprostrata</i> , <i>Trifolium pratense</i> , <i>T. repens</i>
Daidzin	<i>Pueraria lobata</i> , <i>P. pseudo-hirsuta</i>
Daphnetin	<i>Daphne giraldii</i> , <i>D. gurakduu</i> , <i>D. retusa</i> , <i>D. tangutica</i> , <i>D. koreana</i> , <i>Euphorbia lathyris</i> , <i>E. lucorum</i> , <i>E. resinifera</i> , <i>E. thymifolia</i> , <i>Wikstroemia indica</i>
Daphnoretin	<i>Boeninghausenia albiflora</i>
Daturodiol	<i>Datura alba</i> , <i>D. fastuosa</i> , <i>D. innoxia</i> , <i>D. metel</i> , <i>D. stramonium</i> , <i>D. tatula</i>
Daturolole	<i>Datura alba</i> , <i>D. fastuosa</i> , <i>D. innoxia</i> , <i>D. metel</i> , <i>D. stramonium</i> , <i>D. tatula</i>
Daucine	<i>Daucus carota</i>
Daucol	<i>Daucus carota</i>
Daucosterin	<i>Acanthopanax sessiliflorus</i>
Daucosterol	<i>Acanthopanax sessiliflorus</i> , <i>Adenophora triphylla</i> , <i>A. verticillata</i> , <i>Cynomorium coccineum</i> , <i>C. songarium</i> , <i>Daucus carota</i>
Dauricine	<i>Menispermum dauricum</i>
Dauricinoline	<i>Menispermum dauricum</i>
Daurinoline	<i>Menispermum dauricum</i>
Deacetylfaucetine	<i>Lycopodium clavatum</i> , <i>L. obscurum</i> , <i>L. selago</i> , <i>L. serratum</i>
Deacylcynanchogenin	<i>Cynanchum paniculatum</i>
Deacetylmetaplexigenin	<i>Cynanchum paniculatum</i>
Deaspidin	<i>Dryopteris laeta</i> , <i>D. filix-mas</i>
Debilic acid	<i>Aristolochia debilis</i>
Decalactone	<i>Prunus persica</i>
Decanal	<i>Coriandrum sativum</i> , <i>Cymbopogon citratus</i>

Component	Source
Decanol	<i>Coriandrum sativum</i>
Decanoylactaldehyde	<i>Houttynia cordata</i>
Decursoside	<i>Angelica decursiva</i>
Decursidin	<i>Angelica decursiva, Peucedanum japonicum, P. praeruptorum, P. rubricaulis</i>
Decursin	<i>Angelica decursiva</i>
Decussatin	<i>Swertia pseudochinensis</i>
Decylic aldehyde	<i>Coriandrum sativum</i>
Degueline	<i>Tephrosia purpurea</i>
Dehydroandrographolide	<i>Andrographis paniculata</i>
Dehydrocorydaline	<i>Corydalis ambigua, C. repens, C. turtschaninovii, C. yanhusuo, C. ternata</i>
Dehydrocorydalmine	<i>Corydalis ambigua, C. repens, C. turtschaninovii, C. yanhusuo, C. ternata</i>
Dehydroevodiamine	<i>Evodia rutaecarpa</i>
Dehydromatricaria	<i>Erigeron canadensis, E. annuus</i>
Dehydromatricaria ester	<i>Conyza canadensis</i>
Dehydrosilybin	<i>Silybum marianum</i>
Delphinidin	<i>Medicago falcata, M. lupulina, M. polymorpha, M. ruthenica, M. sativa, Prunella vulgaris</i>
Delphinidin-3-monoglucoside	<i>Solanum lyratum, S. melongena</i>
Delphinidin-3,5-diglucoside	<i>Aquilegia vulgaris</i>
Delta-3-carene	<i>Vitex nequundo</i>
Demethyl cephalotaxine	<i>Cephalotaxus wilsoniana</i>
Demethyl-coclaurine	<i>Nelumbium nelumbo</i>
Demethyl-tubulosine	<i>Alangium lamarckii</i>
Demethylcephaline	<i>Alangium lamarckii</i>
Demethylcephalotaxine	<i>Cephalotaxus fortunei, C. qinensis, C. oliveri</i>
Demethylpsychotrin	<i>Alangium lamarckii</i>
Demethylwedolactone	<i>Eclipta erecta</i>
Dencichine	<i>Panax notoginseng</i>
Dendrobine	<i>Dendrobium nobile</i>
Deoxyandrographolide	<i>Andrographis paniculata</i>

Deoxyelephantopin	<i>Elephantopus molis</i>
Deoxypodophyllotoxin	<i>Anthriscus aemula</i> , <i>A. sylvestris</i> , <i>Dysosma pleiantha</i>
Deoxysantalol	<i>Santalum album</i> , <i>S. myrtifolium</i> , <i>S. verum</i>
Deoxyschizandrin	<i>Schisandra chinensis</i>
Deoxytubulosine	<i>Alangium lamarckii</i>
Dephenyl methane-2-carboxylic acid	<i>Conyza canadensis</i>
des-O-methyl-licaraine	<i>Epimedium brevicorum</i> , <i>E. koreanum</i> , <i>E. macranthum</i>
Desacetylasperuloside	<i>Oldenlandia diffusa</i>
Desacetylmatricarin	<i>Achillea alpina</i> , <i>A. millefolium</i>
Desoxypodophyllotoxin	<i>Podophyllum peltatum</i> , <i>P. pleianthum</i>
Destrose	<i>Campsis adrepens</i> , <i>C. chinensis</i> , <i>C. grandiflora</i> , <i>Hordeum vulgare</i>
di-p-coumaroylmethane	<i>Zingiber zerumbet</i>
Diacetate	<i>Araucaria cunninghamii</i>
Diacetyl-atractylodiol	<i>Atractylis chinensis</i> , <i>A. lancea</i> , <i>A. lyrata</i> , <i>A. ovata</i>
Diadzin-4,7-diglucoside	<i>Pueraria lobata</i> , <i>P. pseudo-hirsuta</i>
Diallyl disulfide	<i>Allium victorialis</i>
Diallyl sulfide	<i>Allium chinense</i> , <i>A. odorum</i> , <i>A. sativum</i> , <i>A. tuberosum</i> , <i>A. uliginosum</i>
Dianthrone glucoside	<i>Cassia angustifolia</i>
Dianthronic heteroside	<i>Cassia occidentalis</i> , <i>C. torosa</i>
Dianthus saponin	<i>Dianthus barbatus</i> , <i>D. superbus</i> , <i>D. oreadam</i>
Dibilone	<i>Aristolochia debilis</i>
Dicafeoylquinic acid	<i>Xanthium chinense</i> , <i>X. japonicum</i> , <i>X. mongolicum</i> , <i>X. sibiricum</i> , <i>X. strumarium</i>
Dichrins	<i>Dichroa cyanitis</i> , <i>D. febrifuga</i> , <i>D. latifolia</i>
Dichroidine	<i>Dichroa cyanitis</i> , <i>D. febrifuga</i> , <i>D. latifolia</i>
Dichroines	<i>Dichroa cyanitis</i> , <i>D. febrifuga</i> , <i>D. latifolia</i>
Dicoumarol	<i>Medicago falcata</i> , <i>M. lupulina</i> , <i>M. polymorpha</i> , <i>M. ruthenica</i> , <i>M. sativa</i>
Dictamine	<i>Dictamnus albus</i> , <i>D. dasycarpus</i> , <i>Zanthoxylum ailanthoides</i> , <i>Z. schinifolium</i>
Dicumarol	<i>Melilotus alba</i> , <i>M. suaveolens</i> , <i>M. indica</i>
Diethyl phthalate	<i>Oenothera javanica</i>
DiffRACTaIC acid	<i>Usnea diffracta</i> , <i>U. longissima</i>

Component	Source
Digeneaside	<i>Calloglossa lepieurii</i>
Digicirin	<i>Digitalia purpurea, D. sanguinalis</i>
Digicoside	<i>Digitalia purpurea, D. sanguinalis</i>
Digifolein	<i>Digitalia purpurea, D. sanguinalis</i>
Digipurin	<i>Digitalia purpurea, D. sanguinalis</i>
Digitonin	<i>Digitalia purpurea, D. sanguinalis</i>
Digitoxigenin	<i>Corchorus olitorius, Digitalia purpurea, D. sanguinalis</i>
Digitoxin	<i>Digitalia purpurea, D. sanguinalis</i>
Digluco-side	<i>Acanthopanax giraldii</i>
Dihydro-N-methyl-isopelletierine	<i>Sedum sarmentosum</i>
Dihydroartemisinin	<i>Artemisia annua, A. apiacea</i>
Dihydrobigelovin	<i>Forsythia suspensa, Inula britannica, I. japonica, I. linariaefolia, I. linariaefolia, I. salsoloides</i>
Dihydrocarveol	<i>Piper nigrum</i>
Dihydrocarvone	<i>Anethum graveoleus</i>
Dihydrocyclonervilol	<i>Nervilia purpurea</i>
Dihydrofoliamenthin	<i>Menyanthes trifoliata</i>
Dihydroharman	<i>Elaeagnus pungens, E. umbellata</i>
Dihydroisopelletierine	<i>Sedum sarmentosum</i>
Dihydrokaempterol	<i>Morus alba, M. constantinopolitana, M. indica</i>
Dihydrolycorine	<i>Lycoris radiata, L. longituba, L. aura</i>
Dihydromorin	<i>Morus alba, M. constantinopolitana, M. indica</i>
Dihydronepetalactol	<i>Actinidia arguta, A. chinensis, A. japonica, A. kolomikta, A. polygama</i>
Dihydronuciferine	<i>Nelumbium nuciferum, N. speciosum</i>
Dihydroquercetin	<i>Rhododendron mucronatum</i>
Dihydrosecurinine	<i>Securinega suffruticosa, S. virosa</i>
Dihydroshikonin	<i>Lithospermum erythrorhizon, L. officinalis</i>
Dihydrostigmast	<i>Trapa bispinosa</i>
Dihydroterpene	<i>Pittosporum tobira</i>
Dihydroxy methyl anthraquinone	<i>Morinda citrifolia, M. officinalis</i>

Dihydroxycoumarin	<i>Bidens tripartita</i>
Dihydroxyglutamic acid	<i>Cornus alba</i> , <i>C. kousa</i> , <i>C. macrophylla</i>
Dillapiole	<i>Anethum graveoleus</i>
Dimethoxyallylbenzene	<i>Nothosmyrnum japonicum</i>
Dimethy ether	<i>Blumea balsumifera</i>
Dimethyl thymohydroquinone	<i>Eupatorium chinense</i> , <i>E. lindleyanum</i> , <i>E. japonicum</i>
Diogenin	<i>Costus speciosus</i>
Diol	<i>Curcuma zedoaria</i> , <i>C. aromatica</i> , <i>C. kwangsiensis</i> , <i>C. longa</i>
Diosbulbin	<i>Dioscorea bulbifera</i>
Diosbulbines	<i>Dioscorea bulbifera</i>
Dioscin	<i>Dioscorea nipponica</i>
Dioscorecin	<i>Dioscorea bulbifera</i>
Dioscoretoxin	<i>Dioscorea bulbifera</i>
Diosgenin	<i>Aletris formosuna</i> , <i>A. spicata</i> , <i>Arnebia euchroma</i> , <i>Dioscorea bulbifera</i> , <i>D. opposita</i> , <i>D. nipponica</i> , <i>D. batatas</i> , <i>Solanum indicum</i> , <i>Trillium camschatcense</i>
Diosgenin glycoside	<i>Paris polyphylla</i> , <i>Paris quadrifolia</i>
Diosmetin-7-glucoside	<i>Chrysanthemum jucundum</i> , <i>C. koraiense</i> , <i>C. morifolium</i> , <i>C. sinense</i>
Diosmin	<i>Zanthaxylum nitidum</i>
Dioxybenzoic acid	<i>Althaea rosea</i>
Dioxyflavonol	<i>Alpinia officinarum</i>
Dipalmiin	<i>Typhonium giganteum</i>
Dipentene	<i>Anethum graveoleus</i> , <i>Coriandrum sativum</i> , <i>Cymbopogon citratus</i> , <i>Dryopteris crassirhizoma</i> , <i>Erigeron canadensis</i> , <i>E. annuus</i> , <i>Liquidambar acerifolia</i> , <i>L. formosana</i> , <i>L. maximowiczii</i> , <i>Melaleuca leucadendra</i> , <i>Myristica fragrans</i> , <i>Piper cubeba</i> , <i>Pyrrosia lingua</i> , <i>P. petiolosa</i> , <i>P. sheareri</i> , <i>Vitex nequundo</i>
Diploptene	<i>Dryopteris laeta</i> , <i>D. filix-mas</i>
Disinomenine	<i>Cocculus diversifolius</i> , <i>C. thunbergii</i> , <i>Menispermum dauricum</i> , <i>Sinomenium acutum</i>
Diterpenes	<i>Acanthapanax gracilistylus</i> , <i>Ginkgo biloba</i>
Diterpenoids	<i>Aralia chinensis</i> , <i>A. cordata</i> , <i>A. elata</i> , <i>Tripterygium wilfordii</i>
Divaricoside	<i>Strophanthus divaricatus</i>
dl-anabasine	<i>Alangium lamarckii</i> , <i>A. chinense</i>

Component

dl-beheerine
dl-borneol
dl-catechol
dl-curine
dl-methylisopelletierine
dl-N-noramepavine
dl-tetrahydropalmitine
dl-tetrandrine
Dodecen-4-oic acid
Domesticine
Donoxime
Dopamine
Dotriacontanol
Douminidine
Dracoalban
Dracoresene
Dracoresinotannol
Dracorhodin
Dracorubin
Dryocrassin
Dulcilone
Dulciol
Dulcite
Dulcitol
Dydimin
Ebelin lactone
Eburicoic acid
Ecdysone
Ecdysones cyasterone

Source

Cissampelos pareira
Elettaria cardamomum
Machilus thunbergii
Cissampelos pareira
Sedum sarmentosum
Machilus thunbergii
Corydalis ambigua, *C. repens*, *C. turtschaninovii*, *C. yanhusuo*, *C. ternata*
Stephania hernendifolia
Lindera obtusiloba
Nandina domestica
Desmodium pulehellum
Portulaca oleracea
Elephantopus molis
Gelsemium sempervirens, *G. elegans*
Daemonorops margaritae
Daemonorops margaritae
Daemonorops margaritae
Draceana graminifolia
Draceana graminifolia
Dryopteris crassirhizoma, *D. laeta*, *D. filix-mas*
Scopalia dulcis
Scopalia dulcis
Euonymus alatus, *E. bungeanus*, *E. maackii*
Maytenus diversifolia, *M. confertiflorus*
Clinopodium chinense, *C. polycephalum*, *C. gracile*, *C. umbrosum*
Hovenia dulcis
Poria cocos
Osmunda japonica
Ajuga bracteosa, *A. decumbens*, *A. pygmaea*

Ecdysterone	<i>Achyranthes bidentata</i> , <i>A. japonica</i> , <i>Ajuga bracteosa</i> , <i>A. decumbens</i> , <i>A. pygmaea</i> , <i>Cyathula prostrate</i> , <i>Matteuccia struthiopteris</i> , <i>Osmunda japonica</i> , <i>Podocarpus macrophyllus</i> , <i>Trillium camschatcense</i>
Ecgonine	<i>Erythroxylum coca</i>
Echinocside	<i>Cistanche deserticola</i>
Echinocystic acid	<i>Codonopsis lanceolata</i>
Echinopanaxene	<i>Oplopanax elatus</i>
Echinopanaxol	<i>Oplopanax elatus</i>
Echinopsine	<i>Echinops dahuricus</i> , <i>E. gmelini</i> , <i>E. grijsii</i> , <i>E. sphacrocephalus</i> , <i>E. latifollus</i>
Echitamidine	<i>Alstonia scholaris</i>
Echitamine	<i>Alstonia scholaris</i>
Ecliptine	<i>Eclipta alba</i> , <i>E. marginata</i> , <i>E. prostrata</i> , <i>E. thermalis</i> , <i>E. erecta</i>
Eicosanoic acid	<i>Tamarindus indicus</i>
Eicosenic acid	<i>Brassica alba</i> , <i>B. juncea</i>
Eikosanol	<i>Linum stelleroides</i> , <i>L. usitatissimum</i>
Eissampeline	<i>Chenopodium ambrosioides</i>
Elaeocarpid	<i>Elephantopus elatus</i> , <i>E. grandiflorus</i>
Elegic acid	<i>Punica granatam</i>
Elemene	<i>Agastache rugosa</i> , <i>A. rugosa</i> f. <i>hypoleuca</i> , <i>Artemisia lactiflora</i>
Elemicin	<i>Cymbopogon citratus</i>
Elephantin	<i>Elephantopus molis</i>
Elephantopin	<i>Elephantopus molis</i>
Eleutherosides	<i>Eleutherococcus senticosus</i>
Ellagic acid	<i>Eugenia aromatica</i> , <i>E. caryophyllata</i> , <i>E. ulmoides</i> , <i>Lythrum salicaria</i> , <i>Syzygium cuminii</i> , <i>Terminalia chebula</i>
Elsholtzia ketone	<i>Elsholtzia argyi</i> , <i>E. cristata</i> , <i>E. splendens</i> , <i>E. feddei</i> , <i>E. souliei</i>
Elsholtzianic acid	<i>Elsholtzia argyi</i> , <i>E. cristata</i> , <i>E. splendens</i> , <i>E. feddei</i> , <i>E. souliei</i>
Emetine	<i>Alangium lamareckii</i>
Emilsin-like enzyme	<i>Flagellaria indica</i>
Emodin	<i>Cassia nomame</i> , <i>C. obtusifolia</i> , <i>C. tora</i> , <i>Duchesnea indica</i> , <i>Polygonum multifolrum</i> , <i>P. chinensis</i> , <i>P. perfoliatum</i> , <i>P. tinctorium</i> , <i>P. cuspidatum</i> , <i>Rhamnus davurica</i> , <i>R. davurica</i> , <i>R. parvifolia</i> , <i>Rheum officinale</i> , <i>R. palmatum</i> , <i>R. tanguticum</i> , <i>R. undulatum</i> , <i>R. koreanum</i> , <i>Rumex acetosa</i> , <i>R. acetosella</i> , <i>R. amurensis</i> , <i>R. aquaticus</i> , <i>R. gmelini</i> , <i>R. longifolius</i> , <i>R. maritimus</i> , <i>R. marschallianus</i> , <i>R. patientia</i> , <i>R. stenophyllum</i> , <i>R. thyrstiflorus</i>

Component	Source
Emodin methyl ester	<i>Polygonum multifolrum</i> , <i>P. chinensis</i>
Emodin-monomethylether	<i>Rumex patientia</i>
Entageric acid	<i>Entada phaseoloides</i>
Ephedrine	<i>Ephedra distachya</i> , <i>E. equisetina</i> , <i>E. intermedia</i> , <i>E. monosperma</i> , <i>E. sinica</i>
Epialisol A	<i>Alisma cordifolia</i> , <i>A. orientalis</i> , <i>A. plantago-aquatica</i> , <i>A. plantago</i>
Epibrassicasterol	<i>Nervilia purpurea</i>
Epicatechin	<i>Acacia catechu</i> , <i>Elaeagnus pungens</i> , <i>E. umbellata</i> , <i>Rosa acicularis</i> , <i>R. amygdalifolia</i> , <i>R. davurica</i> , <i>R. davurica</i> , <i>R. koreana</i> , <i>R. laevigata</i> , <i>R. maximowicziana</i>
Epicatechin gallate	<i>Rosa acicularis</i> , <i>R. amygdalifolia</i> , <i>R. davurica</i> , <i>R. koreana</i> , <i>R. laevigata</i> , <i>R. maximowicziana</i>
Epicephalotaxin	<i>Cephalotaxus wilsoniana</i>
Epicephalotaxine	<i>Cephalotaxus fortunei</i> , <i>C. qinensis</i> , <i>C. oliveri</i>
Epifriedelanol	<i>Syzygium cuminii</i>
Epifriedelin	<i>Clerodendrum trichotomum</i> , <i>C. spicatus</i>
Epifriedelinol	<i>Elephantopus molis</i> , <i>E. alatus</i> , <i>E. bungeanus</i> , <i>E. maackii</i>
Epigallocatechin	<i>Elaeagnus glabra</i> , <i>R. acicularis</i> , <i>R. amygdalifolia</i> , <i>R. davurica</i> , <i>R. koreana</i> , <i>R. laevigata</i> , <i>R. maximowicziana</i>
Epimedeside A	<i>Epimedium brevicorum</i> , <i>E. koreanum</i> , <i>E. macranthum</i>
Epistephanine	<i>Stephania japonica</i>
Epiwilsonine	<i>Cephalotaxus fortunei</i> , <i>C. qinensis</i> , <i>C. oliveri</i>
Epoxyquaine	<i>Cyperus rotundus</i>
Equisetonin	<i>Equisetum arvense</i> , <i>E. hyemale</i> , <i>E. ramosissimum</i>
Equisetrin	<i>Equisetum arvense</i> , <i>E. hyemale</i> , <i>E. ramosissimum</i>
Eremophilene	<i>Valeriana alternifolia</i> , <i>V. amurensis</i> , <i>V. fauriei</i> , <i>V. subbipinnatifolia</i>
Ergostatetraen	<i>Trapa bispinosa</i>
Ergosterol peroxide	<i>Ananas comosus</i>
Ergosterol	<i>Ganoderma lucidum</i> , <i>Lactuca raddeana</i> , <i>L. indica</i> , <i>L. sativa</i> , <i>Nervilia purpurea</i> , <i>Polyporus umbellatus</i>
Ericolin	<i>Chimaphila umbellata</i>
Erigeron	<i>Erigeron canadensis</i> , <i>E. annuus</i>
Erisin	<i>Populus alba</i> , <i>P. davidiana</i> , <i>P. tomentosa</i>
Erpinene	<i>Valeriana alternifolia</i> , <i>V. amurensis</i> , <i>V. fauriei</i> , <i>V. subbipinnatifolia</i>

Erucic acid	<i>Avena fatua</i> , <i>Brassica alba</i> , <i>B. juncea</i> , <i>Cardamine leucantha</i> , <i>C. lyrata</i> , <i>Erysimum amurense</i> , <i>E. cheiranthoides</i> , <i>Sinapis alba</i>
Erycbelline	<i>Erycibe henryi</i> , <i>E. aenea</i>
Erychroside	<i>Corchorus olitorius</i> , <i>Erysimum amurense</i> , <i>E. cheiranthoides</i>
Erysimoside	<i>Erysimum amurense</i> , <i>E. cheiranthoides</i>
Erysimosol	<i>Erysimum amurense</i> , <i>E. cheiranthoides</i>
Erysimotoxin	<i>Erysimum amurense</i> , <i>E. cheiranthoides</i>
Erythriside	<i>Erysimum amurense</i> , <i>E. cheiranthoides</i>
Escigenin	<i>Aesculus chinensis</i> , <i>A. hippocastanum</i>
Esculetin	<i>Euphorbia lathyris</i> , <i>E. lucorum</i> , <i>E. resinifera</i> , <i>E. thymifolia</i>
Esculetin dimethyl ether	<i>Zanthoxylum schinifolium</i>
Esgoside	<i>Momordica grosvenori</i>
Essential oils	<i>Achillea alpina</i> , <i>A. millefolium</i> , <i>Agastache rugosa</i> , <i>A. rugosa</i> f. <i>hypoleuca</i> , <i>Alpinia japonica</i> , <i>A. officinarum</i> , <i>Anethum graveoleus</i> , <i>Ardisia japonica</i> , <i>Arethusa japonica</i> , <i>Artemisia brachyloba</i> , <i>A. gmelini</i> , <i>Asarum canadense</i> , <i>A. heterotropoides</i> , <i>A. sieboldii</i> , <i>Asparagus cochinchinensis</i> , <i>A. falcatus</i> , <i>A. insularis</i> , <i>A. lucidus</i> , <i>A. officinalis</i> , <i>Aspidium falcatum</i> , <i>A. gmelini</i> , <i>Atractylis chinensis</i> , <i>A. lancea</i> , <i>A. lyrata</i> , <i>A. ovata</i> , <i>Atractylodes lancea</i> , <i>Bidens bipinnata</i> , <i>B. parviflora</i> , <i>Biota chinensis</i> , <i>B. orientalis</i> , <i>Bletilla hyacinthina</i> , <i>B. striata</i> , <i>Blumea balsumifera</i> , <i>Caesalpinia sappan</i> , <i>Carduus acaulis</i> , <i>C. crispus</i> , <i>C. japonicus</i> , <i>Carpesium abrotanoides</i> , <i>C. athunbergianum</i> , <i>Carum carvi</i> , <i>Celtis bungeana</i> , <i>C. sinensis</i> , <i>Centipeda minima</i> , <i>Chloranthus glubra</i> , <i>C. oldhami</i> , <i>Chrysanthemum cinerriæfolium</i> , <i>Cirsium albescens</i> , <i>C. brevicaulis</i> , <i>C. littorale</i> , <i>C. maakii</i> , <i>C. segetum</i> , <i>C. setosum</i> , <i>C. vlassovianum</i> , <i>Commiphora myrrha</i> , <i>Conioselinum univittatum</i> , <i>Conyza canadensis</i> , <i>Cunninghamia lanceolata</i> , <i>Cymbidium hyacinthinum</i> , <i>C. striatum</i> , <i>Cymbopogon distans</i> , <i>C. goeringii</i> , <i>C. nardus</i> , <i>Cyperus rotundus</i> , <i>Dianthus barbatus</i> , <i>D. superbus</i> , <i>D. oreadam</i> , <i>Dipsacus asper</i> , <i>Dracocephalum integrifolium</i> , <i>Eclipta erecta</i> , <i>Elsholtzia argyi</i> , <i>E. cristata</i> , <i>E. splendens</i> , <i>E. feddei</i> , <i>E. souliei</i> , <i>Erigeron canadensis</i> , <i>E. annuus</i> , <i>Eriobotrya japonica</i> , <i>Eucalyptus robusta</i> , <i>Fortunella crassifolia</i> , <i>F. japonica</i> , <i>F. margarita</i> , <i>Gnaphalium affine</i> , <i>G. arenarium</i> , <i>G. confusum</i> , <i>G. javanum</i> , <i>G. luteo-album</i> , <i>G. multiceps</i> , <i>G. ramigerum</i> , <i>G. tranzschelii</i> , <i>G. uliginosum</i> , <i>Hedyotis diffusa</i> , <i>Hippophae rhamnoides</i> , <i>Houttynia cordata</i> , <i>Laggeta alata</i> , <i>Lappa communis</i> , <i>L. edulis</i> , <i>L. major</i> , <i>L. minor</i> , <i>Ledebouriella divaricata</i> , <i>Leonurus sibiricus</i> , <i>Lindera megaphylla</i> , <i>Lophanthus chinensis</i> , <i>L. rugosus</i> , <i>Lysimachia barystachys</i> , <i>L. christinae</i> , <i>L. clethroides</i> , <i>L. davurica</i> ,

Component	Source
Essential oils (<i>continued</i>)	<i>Nardostachys jatamansi</i> , <i>Nothosmyrnium japonicum</i> , <i>Notopterygium incisum</i> , <i>Oplopanax elatus</i> , <i>Patrinia scabiosaefolia</i> , <i>P. heterophylla</i> , <i>Pinus bungeana</i> , <i>P. densiflora</i> , <i>P. koraiensis</i> , <i>P. sylvestris</i> , <i>P. tabulaeformis</i> , <i>Plumeria rubra</i> , <i>Pogostemon cablin</i> , <i>Pyrethrum cinerariifolium</i> , <i>P. sinense</i> , <i>Rabdosia rubescens</i> , <i>Rhaponticum uniflorum</i> , <i>R. mucronatum</i> , <i>R. anthopogon</i> , <i>Rosa chinensis</i> , <i>R. indica</i> , <i>R. rugosa</i> , <i>Salvia plebeia</i> , <i>Sarcandra glabra</i> , <i>Schizonepeta multifida</i> , <i>S. tenuifolia</i> , <i>Scrophularia buergeriana</i> , <i>S. kakudensis</i> , <i>S. ningpoensis</i> , <i>S. oldhami</i> , <i>S. puergeriana</i> , <i>Silene jennisensis</i> , <i>Sorbus alnifolia</i> , <i>S. amurensis</i> , <i>S. pohuashanensis</i> , <i>Taraxacum officinale</i> , <i>Thlaspi arvense</i> , <i>Tilia amurensis</i> , <i>T. mandshurica</i> , <i>T. mongolica</i> , <i>Tussilago farfara</i> , <i>Verbena officinalis</i> , <i>V. oxysepalum</i> , <i>Viburnum sargentii</i> , <i>Vitex nequundo</i> , <i>V. chinensis</i> , <i>V. jeguaod</i> , <i>Xanthoxylum piperitum</i> , <i>Zanthoxylum bungeanum</i> , <i>Z. ailanthoides</i> , <i>Zingiber officinale</i> , <i>Z. zerumbet</i>
Estragol	<i>Angelica decursiva</i> , <i>Zanthoxylum schinifolium</i>
Estragole	<i>Magnolia biloba</i> , <i>M. denudata</i> , <i>M. discolor</i> , <i>M. liliflora</i> , <i>M. purpurea</i> , <i>Zanthoxylum bungeanum</i>
Ethanol	<i>Prunus persica</i>
Ether oils	<i>Achillea alpina</i> , <i>A. millefolium</i> , <i>Anthriscus aemula</i> , <i>A. sylvestris</i> , <i>Heracleum dissectum</i> , <i>H. lanatum</i> , <i>Polygonum bistorta</i> , <i>Sanguisorba officinalis</i> , <i>S. grandiflora</i> , <i>S. parviflora</i> , <i>S. x tenuifolia</i> , <i>Taraxacum officinale</i>
Ethoxychelerythrine	<i>Macleaya cordata</i>
Ethoxysanguinarine	<i>Macleaya cordata</i>
Ethyl alcohol	<i>Kaempferia galanga</i>
Ethyl beta-fructopyranoside	<i>Rosa acicularis</i> , <i>R. amygdalifolia</i> , <i>R. davurica</i> , <i>R. koreana</i> , <i>R. laevigata</i> , <i>R. maximowicziana</i>
Ethyl ester	<i>Anredera cordifolia</i>
Etoposide	<i>Dysosma pleiantha</i>
Eucalyptol	<i>Artemisia argyi</i> , <i>A. halodendron</i> , <i>A. igniaria</i> , <i>A. indica</i> , <i>A. integrifolia</i> , <i>A. japonica</i> , <i>A. keiskeana</i> , <i>A. lagocephala</i> , <i>A. lavandulaefolia</i> , <i>A. scoparia</i> , <i>A. selengensis</i> , <i>A. sieversiana</i> , <i>A. vulgarts</i> , <i>Melaleuca leucadendra</i>
Eucalyptole	<i>Cinnamomum camphora</i>
Euchrestaflavanones	<i>Euchresta japonicum</i>
Eudesnol	<i>Atractylodes chinensis</i> , <i>A. japonica</i> , <i>A. koreana</i> , <i>A. lancen</i> , <i>A. macrocephala</i> , <i>A. ovata</i>

Eugenitin	<i>Eugenia aromatica</i> , <i>E. caryophyllata</i> , <i>E. ulmoides</i>
Eugenol	<i>Alpinia officinarum</i> , <i>Cinnamomum zeglanicum</i> , <i>C. aromaticum</i> , <i>C. cassia</i> , <i>Dianthus barbatus</i> , <i>D. superbus</i> , <i>D. oreadam</i> , <i>Geum aleppicum</i> , <i>Magnolia biloba</i> , <i>M. denudata</i> , <i>M. discolor</i> , <i>M. liliflora</i> , <i>M. purpurea</i> , <i>Myristica fragrans</i> , <i>Rosa rugosa</i> , <i>R. rugosa</i> , <i>Vitex nequndo</i>
Eugianin	<i>Syzygium cuminii</i>
Eupafolin	<i>Salvia plebeia</i>
Eupaformonin	<i>Eupatorium formosanum</i>
Eupaformosanin	<i>Eupatorium formosanum</i>
Euparin	<i>Eupatorium chinense</i> , <i>E. lindleyanum</i> , <i>E. japonicum</i>
Eupatol	<i>Eupatorium odoratum</i>
Eupatolide	<i>Eupatorium formosanum</i>
Euphol	<i>Euphorbia antiquorum</i> , <i>E. lathyrus</i> , <i>E. lucorum</i> , <i>E. resinifera</i> , <i>E. thymifolia</i>
Euphorbetin	<i>Euphorbia lathyrus</i> , <i>E. lucorum</i> , <i>E. resinifera</i> , <i>E. thymifolia</i>
Euphorbias	<i>Euphorbia coraroides</i> , <i>E. lasiocaula</i> , <i>E. lunulata</i> , <i>E. pallasii</i> , <i>E. pekinensis</i> , <i>E. sampsoni</i> , <i>E. sieboldiana</i>
Euphorbiasteroid	<i>Euphorbia lathyrus</i> , <i>E. lucorum</i> , <i>E. resinifera</i> , <i>E. thymifolia</i>
Euphorbine	<i>Euphorbia esula</i> , <i>E. helioscopia</i>
Euphorbol	<i>Euphorbia lathyrus</i> , <i>E. lucorum</i> , <i>E. resinifera</i> , <i>E. thymifolia</i>
Euphorbon	<i>Euphorbia humifusa</i> , <i>E. hirta</i> , <i>E. coraroides</i> , <i>E. lasiocaula</i> , <i>E. lunulata</i> , <i>E. pallasii</i> , <i>E. pekinensis</i> , <i>E. sampsoni</i> , <i>E. sieboldiana</i>
Evocarpine	<i>Evodia rutaecarpa</i>
Evodiamine	<i>Evodia rutaecarpa</i>
Evodol	<i>Evodia rutaecarpa</i>
Eycinnuik	<i>Eucommia ulmoides</i>
Fabric	<i>Urtica angustifolia</i> , <i>U. cannabina</i> , <i>U. lobata</i> , <i>U. tenacissima</i> , <i>U. urens</i> , <i>U. utillis</i>
Fagomine	<i>Fagopyrum esculentum</i>
Fagopyrin	<i>Fagopyrum esculentum</i>
Falcarindiol	<i>Glehnia hitoralis</i> , <i>Notopterygium incisium</i>
Falvins	<i>Alternanthera philoxeroides</i> , <i>A. sessilis</i>
Fangchinoline	<i>Stephania hernendifolia</i> , <i>S. tetrandraq</i>
Faradiol	<i>Tussilago farfara</i>

Component	Source
Farnesal	<i>Cymbopogon citratus</i>
Farnesene	<i>Agastache rugosa</i> , <i>A. rugosa</i> f. <i>hypoleuca</i>
Farnesiferols	<i>Ferula assa-foetida</i> , <i>F. bungeana</i>
Farnesol	<i>Cymbopogon citratus</i> , <i>Plumeria rubra</i>
Farreol	<i>Rhododendron mucronatum</i> , <i>R. dauricum</i>
Fat	<i>Ficus awkeotsang</i> , <i>Gnaphalium affine</i> , <i>G. arenarium</i> , <i>G. confusum</i> , <i>G. javanum</i> , <i>G. luteo-album</i> , <i>G. multiceps</i> , <i>G. ramigerum</i> , <i>G. tranzschelii</i> , <i>G. uliginosum</i> , <i>Triticum vulgare</i> , <i>Urtica angustifolia</i> , <i>U. cannabina</i> , <i>U. lobata</i> , <i>U. tenacissima</i> , <i>U. urens</i> , <i>U. utilis</i>
Fatty acids	<i>Aesculus indica</i> , <i>Cassia alata</i> , <i>Cornus walteri</i> , <i>Euonymus alatus</i> , <i>E. bungeanus</i> , <i>E. maackii</i> , <i>Geum aleppicum</i> , <i>Hippophae rhamnoides</i> , <i>Lindera glauca</i> , <i>L. communis</i> , <i>Linum stelleroides</i> , <i>L. usitatissimum</i> , <i>Magnolia grandiflora</i> , <i>Parthenocissus tricuspidata</i> , <i>Phaseolus angularis</i> , <i>P. lunatus</i> , <i>P. radiatus</i> , <i>P. vulgaris</i> , <i>Prunus padus</i> , <i>P. domestica</i> , <i>P. glandulosa</i> , <i>P. japonica</i> , <i>P. armeniaca</i> , <i>Pueraria lobata</i> , <i>P. pseudo-hirsuta</i> , <i>Sorbus alnifolia</i> , <i>S. amurensis</i> , <i>S. pohuashanensis</i> , <i>Thlaspi arvense</i> , <i>Viscum album</i>
Fatty oil	<i>Lappa communis</i> , <i>L. edulis</i> , <i>L. major</i> , <i>L. minor</i> , <i>Leonurus heterophyllus</i> , <i>L. japonicus</i> , <i>L. macranthus</i> , <i>L. mongolicus</i> , <i>L. pseudo-macranthus</i> , <i>Lygodium japonicum</i> , <i>Terminalia chebula</i>
Fawcetimine	<i>Lycopodium clavatum</i> , <i>L. obscurum</i> , <i>L. selago</i> , <i>L. serratum</i>
Fawcetine	<i>Lycopodium clavatum</i> , <i>L. obscurum</i> , <i>L. selago</i> , <i>L. serratum</i>
Febrifugin	<i>Hydrangea macrophylla</i>
Fenchone	<i>Blumea lacera</i> , <i>Thuja koraiensis</i> , <i>T. orientalis</i> , <i>T. chinensis</i>
Feriol	<i>Rhododendron dauricum</i>
Fernadiene	<i>Adiantum boreale</i> , <i>A. capillus-junonis</i> , <i>A. pedatum</i> , <i>A. flabellulatum</i>
Fernene	<i>Adiantum boreale</i> , <i>A. capillus-junonis</i> , <i>A. pedatum</i> , <i>A. flabellulatum</i> , <i>Dryopteris crassirhizoma</i>
Fernenol	<i>Imperata arundinaceae</i> , <i>I. cylindrica</i>
Ferulic	<i>Matteuccia struthiopteris</i>
Ferulic acid	<i>Angelica polymorpha</i> , <i>A. sinensis</i> , <i>Cimicifuga dahurica</i> , <i>C. foetida</i> , <i>C. heracleifolia</i> , <i>C. racemosa</i> , <i>C. ussuriensis</i> , <i>Ferula assa-foetida</i> , <i>F. bungeana</i> , <i>Impatiens balsamina</i> , <i>I. noli-tangere</i> , <i>I. textori</i> , <i>Lycopodium clavatum</i> , <i>L. obscurum</i> , <i>L. selago</i> , <i>L. serratum</i>
Feruloyl-p-coumaroylmethane	<i>Zingiber zerumbet</i>

Fetidine	<i>Thalictrum aquilegifolium</i> , <i>T. baicalense</i> , <i>T. foetidum</i> , <i>T. fauriei</i> , <i>T. petaloideum</i> , <i>T. simplex</i> , <i>T. squarrosum</i> , <i>T. thunbergii</i>
Fibralactone	<i>Fibraurea recisa</i>
Fibramine	<i>Fibraurea recisa</i>
Fibraminine	<i>Fibraurea recisa</i>
Ficusin	<i>Ficus carica</i>
Filicenal	<i>Adiantum boreale</i> , <i>A. capillus-junonis</i> , <i>A. pedatum</i> , <i>A. flabellulatum</i>
Filicene	<i>Adiantum boreale</i> , <i>A. capillus-junonis</i> , <i>A. pedatum</i> , <i>A. flabellulatum</i>
Filicic acid	<i>Aspidium falcatum</i> , <i>Dryopteris crassirhizoma</i> , <i>D. laeta</i> , <i>D. filix-mas</i> , <i>Pteris cretica</i> , <i>P. ensiformis</i> , <i>P. multifida</i> , <i>P. vittata</i> , <i>P. wallichiana</i>
Filicin	<i>Dryopteris laeta</i> , <i>D. filix-mas</i> , <i>Matteuccia struthiopteris</i>
Filmarone	<i>Dryopteris crassirhizoma</i> , <i>D. laeta</i> , <i>D. filix-mas</i>
Finitin	<i>Artemisia finita</i> , <i>A. frigida</i>
Fisetin	<i>Cotinus coggygria</i> , <i>Gleditsia horrida</i> , <i>G. sinensis</i> , <i>G. xylocarpa</i> , <i>Pistacia lentiscus</i>
Flavaspidic acids	<i>Dryopteris laeta</i> , <i>D. filix-mas</i>
Flavaspidin	<i>Dryopteris crassirhizoma</i>
Flavocommelitin	<i>Commelina communis</i>
Flavon glucoside	<i>Ajuga bracteosa</i> , <i>A. decumbens</i> , <i>A. pygmaea</i>
Flavone	<i>Callicarpa macrophylla</i> , <i>Citrus aurantium</i> , <i>Dracocephalum integrifolium</i> , <i>Fagopyrum esculentum</i> , <i>F. tataricum</i> , <i>Geum aleppicum</i> , <i>Glycyrrhiza pallidiflora</i> , <i>G. uralensis</i> , <i>Ilex pubescens</i> , <i>Inula britannica</i> , <i>I. japonica</i> , <i>I. linariaefolia</i> , <i>I. linariaefolia</i> , <i>I. salsoloides</i> , <i>Iris aqyatuca</i> , <i>I. buataatas</i> , <i>I. dichotoma</i> , <i>Lindera</i> <i>akoensis</i> , <i>Loropetalum chinense</i> , <i>Lysionotus pauciflorus</i> , <i>Vitex trifolia</i> , <i>V. rotundifolia</i>
Flavonoid derivatives	<i>Astragalus complanatus</i> , <i>A. henryi</i> , <i>A. hoantchy</i> , <i>A. membranaceus</i> , <i>A. melilotoides</i> , <i>A. mongholicus</i> , <i>A. reflexistipulus</i> , <i>A. sinensis</i>
Flavonoid glycoside	<i>Aesculus indica</i> , <i>Asarum europaeum</i> , <i>Laggera alata</i> , <i>Thalictrum foetidum</i> , <i>Urena procumbens</i>
Flavonoids	<i>Achillea alpina</i> , <i>A. millefolium</i> , <i>Ampelopsis aconitifolia</i> , <i>A. brevipedunculata</i> , <i>A. japonica</i> , <i>A. bodinieri</i> , <i>A. contonensis</i> , <i>A. humulifolia</i> , <i>Artemisia lactiflora</i> , <i>Bauhinia championi</i> , <i>B. variegata</i> , <i>Bidens bipinnata</i> , <i>B. parviflora</i> , <i>Chloranthus glubra</i> , <i>C. oldhnamii</i> , <i>Crataegus cuneata</i> , <i>C. chlorusarca</i> , <i>C. dahurica</i> , <i>C. maximowiczii</i> , <i>C. pentagyna</i> , <i>C. pinnatifida</i> , <i>C. sanguinea</i> , <i>Cypripedium guttatum</i> , <i>C. macranthum</i> , <i>C. pubescens</i> , <i>Cyrtomium falcatum</i> , <i>Elaeagnus glabra</i> , <i>Gynura bicolor</i> , <i>Hippophae rhamnoides</i> ,

Component	Source
Flavonoids (<i>continued</i>)	<i>Jatropha podagrica</i> , <i>Lemmaphyllum microphyllum</i> , <i>Lespedeza cuneata</i> , <i>Nepenthes raffsiana</i> , <i>Oplonanax elatus</i> , <i>Panax notoginseng</i> , <i>Podophyllum peltatum</i> , <i>P. pleianthum</i> , <i>Polygonum cuspidatum</i> , <i>P. perfoliatum</i> , <i>P. tinctorium</i> , <i>Rhaponticum uniflorum</i> , <i>Rhodiola elongata</i> , <i>Rhododendron dauricum</i> , <i>Rosa acicularis</i> , <i>R. amygdalifolia</i> , <i>R. davurica</i> , <i>R. koreana</i> , <i>R. laevigata</i> , <i>R. maximowicziana</i> , <i>Rubus parvifolius</i> , <i>R. coreanus</i> , <i>R. crataegifolius</i> , <i>R. matsumuranus</i> , <i>R. saxatilis</i> , <i>Salvia plebeia</i> , <i>Scrophularia buergeriana</i> , <i>S. kakudensis</i> , <i>S. ningpoensis</i> , <i>S. oldhami</i> , <i>S. puergeriana</i> , <i>Solidago dahurica</i> , <i>S. pacifica</i> , <i>S. virgaurea</i> , <i>Sorbus alnifolia</i> , <i>S. amurensis</i> , <i>S. pohuashanensis</i> , <i>Spiraea salicifolia</i> , <i>Taraxacum officinale</i> , <i>Thalictrum aquilegifolium</i> , <i>T. baicalense</i> , <i>T. fauriei</i> , <i>T. petaloideum</i> , <i>T. simplex</i> , <i>T. squarrosum</i> , <i>T. thunbergii</i> , <i>Thesium chinense</i> , <i>Tilia amurensis</i> , <i>T. mandshurica</i> , <i>T. mongolica</i> , <i>Veronica linariaefolia</i>
Flavoxanthin	<i>Calendula officinalis</i>
Flavoyadorinin	<i>Viscum album</i> , <i>V. coloratum</i>
Fluggein	<i>Securinega virosa</i>
Foliamenthin	<i>Menyanthes trifoliata</i>
Folinic acid	<i>Angelica polymorpha</i> , <i>A. sinensis</i>
Formic acid	<i>Jasminum samba</i> , <i>Pyrrosia adnascens</i>
Formonetin	<i>Medicago falcata</i> , <i>M. lupulina</i> , <i>M. polymorpha</i> , <i>M. ruthenica</i> , <i>M. sativa</i>
Formononetin	<i>Astragalus complanatus</i> , <i>A. henyri</i> , <i>A. hoantchy</i> , <i>A. membranaceus</i> , <i>A. melilotoides</i> , <i>A. mongholicus</i> , <i>A. reflexistipulus</i> , <i>A. sinensis</i> , <i>Trifolium pratense</i> , <i>T. repens</i>
Fragarine	<i>Dictamnus albus</i> , <i>D. dasycarpus</i>
Framine	<i>Phyllodium pulchellum</i>
Fraxin	<i>Fraxinus bungeana</i> , <i>F. chinensis</i> , <i>F. floribunda</i> , <i>F. obovata</i> , <i>F. ornus</i> , <i>F. rhynchophylla</i>
Fraxinella	<i>Melia azedarach</i> , <i>M. japonica</i> , <i>M. toosendan</i>
Fraxinellone	<i>Dictamnus albus</i> , <i>D. dasycarpus</i>
Friedelaun-3-ol	<i>Euphorbia antiquorum</i>
Friedelin	<i>Clerodendrum trichotomum</i> , <i>C. spicatus</i> , <i>Codonopsis pilosula</i> , <i>C. tangshen</i> , <i>C. ussuriensis</i> , <i>Euonymus alatus</i> , <i>E. bungeanus</i> , <i>E. maackii</i> , <i>Lophatherum gracile</i> , <i>Spatholobus suberectus</i> , <i>Syzygium cuminii</i>
Fritillarine	<i>Fritillaria anheunensis</i> , <i>F. collicola</i> , <i>F. maximowiczii</i> , <i>F. roylei</i> , <i>F. thunbergii</i> , <i>F. ussuriensis</i> , <i>F. verticillata</i>
Fritilline	<i>Fritillaria anheunensis</i> , <i>F. collicola</i> , <i>F. maximowiczii</i> , <i>F. roylei</i> , <i>F. thunbergii</i> , <i>F. ussuriensis</i> , <i>F. verticillata</i>
Fructose	<i>Cucumis sativus</i> , <i>Ficus awkeotsang</i> , <i>Plumbago zeylanica</i> , <i>Pseudostellaria heterophylla</i> , <i>Sedum lineare</i>

Fulvoplumierin	<i>Plumeria rubra</i>
Fumaric acid	<i>Sarcandra glabra</i> , <i>Vicia faba</i>
Fungal lysozyme	<i>Ganoderma lucidum</i>
Furane	<i>Elsholtzia argyi</i> , <i>E. cristata</i> , <i>E. splendens</i> , <i>E. feddei</i> , <i>E. souliei</i>
Furanocoumarin	<i>Glehnia littoralis</i>
Furanodiene	<i>Curcuma aromatica</i> , <i>C. kwangsiensis</i> , <i>C. longa</i> , <i>C. zedoaria</i>
Furanodienone	<i>Curcuma aromatica</i> , <i>C. kwangsiensis</i> , <i>C. longa</i> , <i>C. zedoaria</i>
Furostanol saponins	<i>Allium macrostemon</i> , <i>Corchorus olitorius</i>
Furylisobutyl ketone	<i>Elsholtzia argyi</i> , <i>E. cristata</i> , <i>E. splendens</i> , <i>E. feddei</i> , <i>E. souliei</i>
Furylmethyl ketone	<i>Elsholtzia argyi</i> , <i>E. cristata</i> , <i>E. splendens</i> , <i>E. feddei</i> , <i>E. souliei</i>
Furylpropyl ketone	<i>Elsholtzia argyi</i> , <i>E. cristata</i> , <i>E. splendens</i> , <i>E. feddei</i> , <i>E. souliei</i>
Fustin	<i>Cotinus coggygria</i> , <i>Gleditsia horrida</i> , <i>G. sinensis</i> , <i>G. xylocarpa</i> , <i>Pistacia lentiscus</i>
Galactan	<i>Luffa aegyptiaca</i> , <i>L. cylindrica</i> , <i>L. faetida</i> , <i>L. petola</i> , <i>Quercus acutissima</i> , <i>Q. aliena</i> , <i>Q. dentata</i> , <i>Q. liaotungensis</i> , <i>Q. mongolica</i> , <i>Q. variabilis</i> , <i>Trachycarpus wagnerianus</i> , <i>T. fortunei</i>
Galactitol	<i>Cassytha filliformis</i>
Galactomannan	<i>Cassia occidentalis</i> , <i>C. torosa</i>
Galactose	<i>Cucumis sativus</i> , <i>Fortunella crassifolia</i> , <i>F. japonica</i> , <i>F. margarita</i> , <i>Tamarindus indicus</i>
Galangin	<i>Alpinia katsumadai</i> , <i>A. globosum</i> , <i>A. kumatake</i>
Galangol	<i>Alpinia katsumadai</i> , <i>A. globosum</i> , <i>A. kumatake</i> , <i>A. officinarum</i>
Galanthamine	<i>Hippeastrum hybridum</i> , <i>Lycoris radiata</i> , <i>L. longituba</i> , <i>L. aura</i>
Gallic acid	<i>Acalypha australis</i> , <i>Caesalpinia pulcherrima</i> , <i>C. sappan</i> , <i>Cornus officinalis</i> , <i>Erigeron canadensis</i> , <i>E. annuus</i> , <i>Eucalyptus robusta</i> , <i>Euphorbia humifusa</i> , <i>E. hirta</i> , <i>Geranium dahuricum</i> , <i>G. eriostemon</i> , <i>G. sibiricum</i> , <i>G. wlassowianum</i> , <i>G. wilfordi</i> , <i>Lawsonia inermis</i> , <i>Macrocarpium officinalis</i> , <i>Melaleuca leucadendra</i> , <i>Pistacia lentiscus</i> , <i>Polygonum bistorta</i> , <i>P. zeylanica</i> , <i>Punica granatam</i> , <i>Rheum officinale</i> , <i>R. palmatum</i> , <i>R. tanguticum</i> , <i>R. undulatum</i> , <i>R. koreanum</i> , <i>Rhus chinensis</i> , <i>R. cotinus</i> , <i>R. javanica</i> , <i>R. osbeckii</i>
Gallocatechin	<i>Rosa acicularis</i> , <i>R. amygdalifolia</i> , <i>R. davurica</i> , <i>R. koreana</i> , <i>R. laevigata</i> , <i>R. maximowicziana</i>
Gallotannic acid	<i>Punica granatam</i> , <i>Rhus chinensis</i> , <i>R. cotinus</i> , <i>R. javanica</i> , <i>R. osbeckii</i>
Galuteolin	<i>Equisetum arvense</i> , <i>E. hyemale</i> , <i>E. ramosissimum</i>
Gamatins	<i>Pongamia pinnata</i>
Gambir-fluorescein	<i>Acacia catechu</i>

Component	Source
Gambirine	<i>Acacia catechu</i>
Gamma-aminobutyric acid	<i>Astragalus complanatus</i> , <i>A. henryi</i> , <i>A. hoantchy</i> , <i>A. membranaceus</i> , <i>A. melilotoides</i> , <i>A. mongholicus</i> , <i>A. reflexistipulus</i> , <i>A. sinensis</i>
Gamma-dichroline	<i>Adamia chinensis</i> , <i>A. cyanea</i> , <i>A. versicolof</i>
Gamma-fernene	<i>Adiantum boreale</i> , <i>A. capillus-junonis</i> , <i>A. pedatum</i> , <i>A. flabellulatum</i>
Gamma-sitosterol	<i>Oldenlandia chrysotricha</i> , <i>O. corymbosa</i>
Gamma-terpinene	<i>Poncirus trifoliata</i>
Gardenin	<i>Gardenia angusta</i> , <i>G. jasminoides</i>
Gardenoside	<i>Gardenia florida</i> , <i>G. grandiflora</i> , <i>G. maruba</i> , <i>G. pictorum</i> , <i>G. radicans</i> , <i>Gentiana algida</i> , <i>G. barbata</i> , <i>G. manshurica</i> , <i>G. olivieri</i> , <i>G. scabra</i> , <i>G. squarrosa</i> , <i>G. triflora</i>
Gastrodin	<i>Gastrodia elata</i>
Gedunin	<i>Melia japonica</i> , <i>M. toosendan</i> , <i>M. azedarach</i>
Gein	<i>Geum aleppicum</i>
Gelatin	<i>Bletilla hyacinthina</i> , <i>B. striata</i>
Gelsemidine	<i>Gelsemium sempervirens</i> , <i>G. elegans</i>
Gelsemine	<i>Gelsemium sempervirens</i> , <i>G. elegans</i>
Geniposide	<i>Gentiana algida</i> , <i>G. barbata</i> , <i>G. manshurica</i> , <i>G. olivieri</i> , <i>G. scabra</i> , <i>G. squarrosa</i> , <i>G. triflora</i>
Genisteine	<i>Cytisus scoparius</i> , <i>Glycine max</i> , <i>G. soja</i> , <i>Sophora japonica</i> , <i>Trifolium pratense</i> , <i>T. repens</i>
Genkwadaphnin	<i>Daphne fortunei</i> , <i>D. genkwa</i>
Genkwain	<i>Artemisia gmelini</i> , <i>Daphne fortunei</i> , <i>D. genkwa</i>
Gentialutine	<i>Menyanthes trifoliata</i>
Gentianidine	<i>Gentiana dahurica</i> , <i>G. lutea</i> , <i>G. macrophylla</i>
Gentianine	<i>Gentiana algida</i> , <i>G. barbata</i> , <i>G. dahurica</i> , <i>G. lutea</i> , <i>G. macrophylla</i> , <i>G. manshurica</i> , <i>G. olivieri</i> , <i>G. scabra</i> , <i>G. squarrosa</i> , <i>G. triflora</i> , <i>Menyanthes trifoliata</i>
Gentianol	<i>Gentiana dahurica</i> , <i>G. lutea</i> , <i>G. macrophylla</i>
Gentiatiβetin	<i>Menyanthes trifoliata</i>
Gentiatiβetine	<i>Menyanthes trifoliata</i>
Gentiopictin	<i>Gentiana algida</i> , <i>G. barbata</i> , <i>G. manshurica</i> , <i>G. olivieri</i> , <i>G. scabra</i> , <i>G. squarrosa</i> , <i>G. triflora</i>
Gentisic acid	<i>Impatiens balsamina</i> , <i>I. noli-tangere</i> , <i>I. textori</i>

Geoside	<i>Geum aleppicum</i>
Geranic	<i>Cymbopogon citratus</i>
Geraniol	<i>Chenopodium ambrosioides</i> , <i>Citrus reticulata</i> , <i>Coriandrum sativum</i> , <i>Cymbopogon citratus</i> , <i>Daucus carota</i> , <i>Elettaria cardamomum</i> , <i>Myristica fragrans</i> , <i>Plumeria rubra</i> , <i>Rosa rugosa</i> , <i>Thymus vulgaris</i> , <i>Vitex</i> <i>nequundo</i> , <i>Xanthoxylum piperitum</i> , <i>Zanthoxylum bungeanum</i>
Geranylgeraniol	<i>Linum stelleroides</i> , <i>L. usitatissimum</i>
Gerariol	<i>Murraya paniculata</i>
Germacrene	<i>Kadsura japonica</i> , <i>Rhododendron dauricum</i> , <i>R. mucronatum</i>
Germine	<i>Veratrum dahuricum</i> , <i>V. maackii</i> , <i>V. nigrum</i>
Gibberelin A ₂₁	<i>Canavalia gladiata</i> , <i>C. ensiformis</i>
Gibberelin A ₂₂	<i>Canavalia gladiata</i> , <i>C. ensiformis</i>
Gibberellin	<i>Ginkgo biloba</i> , <i>Pharbitis diversifolia</i> , <i>P. hederacea</i> , <i>P. nil</i> , <i>P. triloba</i>
Gingerol	<i>Zingiber officinale</i>
Ginkgetin	<i>Ginkgo biloba</i>
Ginkgol	<i>Ginkgo biloba</i>
Ginkgolic acid	<i>Ginkgo biloba</i>
Ginkgolides	<i>Ginkgo biloba</i>
Ginnol	<i>Ginkgo biloba</i>
Ginsenoside R _g	<i>Panax japonicum</i>
Ginsenosides	<i>Panax quinquefolium</i> , <i>P. ginseng</i> , <i>P. notoginseng</i>
Gitaloxigenin	<i>Digitalia purpurea</i> , <i>D. sanguinalis</i>
Gitaloxin	<i>Digitalia purpurea</i> , <i>D. sanguinalis</i>
Gitanin	<i>Digitalia purpurea</i> , <i>D. sanguinalis</i>
Gitoxigenin	<i>Digitalia purpurea</i> , <i>D. sanguinalis</i>
Gitoxin	<i>Digitalia purpurea</i> , <i>D. sanguinalis</i>
Glabralactone	<i>Angelica pubescens</i>
Glaucine	<i>Thalictrum aquilegifolium</i> , <i>T. baicalense</i> , <i>T. fauriei</i> , <i>T. petaloideum</i> , <i>T. simplex</i> , <i>T. squarrosum</i> , <i>T. thunbergii</i>
Gleditsin	<i>Gleditsia horrida</i> , <i>G. sinensis</i> , <i>G. xylocarpa</i>
Globulin	<i>Arachis hypogaea</i>
Glucan	<i>Omphalia lapidescens</i>

Component	Source
Glucides	<i>Fortunella crassifolia</i> , <i>F. japonica</i> , <i>F. margarita</i> .
Glucobrassicin	<i>Clerodendrum cyrtophyllum</i> , <i>Isatis indigotica</i> , <i>I. oblongata</i>
Glucoevatrononoside	<i>Corchorus olitorius</i>
Glucofragulin	<i>Polygonum cuspidatum</i>
Glucokinin	<i>Dolichos lablab</i>
Glucominol	<i>Allium chinense</i> , <i>A. odorum</i> , <i>A. sativum</i> , <i>A. tuberosum</i> , <i>A. uliginosum</i>
Gluconasturtin	<i>Rorippa indica</i> , <i>R. islandica</i> , <i>R. montana</i>
Glucononitol	<i>Vitex nequundo</i>
Glucoypyranosides	<i>Codonopsis pilosula</i> , <i>C. tangshen</i> , <i>C. ussuriensis</i>
Glucose	<i>Ficus awkeotsang</i> , <i>Lycopus lucidus</i> , <i>L. maackianus</i> , <i>L. parviflorus</i> , <i>L. ramosissimus</i> , <i>L. fargesii</i> , <i>L. veitchii</i> , <i>Nepheium longana</i> , <i>N. lappaceum</i> , <i>Plumbago zeylanica</i> , <i>Sedum lineare</i> , <i>Sagittardia sagittifolia</i> , <i>Tamarindus indicus</i>
Glucoside	<i>Ampelopsis aconitifolia</i> , <i>A. brevipedunculata</i> , <i>A. japonica</i> , <i>A. bodinieri</i> , <i>A. contonensis</i> , <i>A. humulifolia</i> , <i>Arachis hypogaea</i> , <i>Caragana sinica</i> , <i>C. microphylla</i> , <i>C. intermedia</i> , <i>C. franchetiana</i> , <i>Dodonaea viscosa</i> , <i>Sarcandra glabra</i>
Glucoside asiaticoside	<i>Centella asiatica</i>
Glucoside morindin	<i>Morinda citrifolia</i> , <i>M. officinalis</i>
Glucovanillin	<i>Avena fatua</i>
Glutamic acid	<i>Litchi chinensis</i> , <i>Pueraria montana</i> , <i>P. thunbergiana</i>
Glutamine	<i>Ficus carica</i> , <i>Dioscorea opposita</i>
Glutin-5-en-3-ol	<i>Alnus japonica</i>
Glutininol	<i>Imperata arundinaceae</i> , <i>I. cylindrica</i>
Glycine	<i>Taraxacum mongolicum</i> , <i>T. sinicum</i>
Glycoalkaloids	<i>Sesbinia sesbin</i>
Glycogen	<i>Cymbidium hyacinthinum</i> , <i>C. striatum</i>
Glycolic acid	<i>Asparagus cochinenesis</i> , <i>A. falcatus</i> , <i>A. insularis</i> , <i>A. lucidus</i> , <i>A. officinalis</i> , <i>Physalis alkekengi</i>
Glycoside alkaloids	<i>Solanum biflorum</i>
Glycoside nodakenin	<i>Peucedanum decursivum</i>
Glycoside pharbitin	<i>Pharbitis diversifolia</i> , <i>P. hederacea</i> , <i>P. nil</i> , <i>P. triloba</i>

Glycoside raphantin	<i>Polygonum multiflorum</i> , <i>P. chinensis</i>
Glycosides	<i>Arundo donax</i> , <i>A. phragmites</i> , <i>Caesalpinia decapetula</i> , <i>Carduus acaulis</i> , <i>C. crispus</i> , <i>C. japonicus</i> , <i>Centipeda minima</i> , <i>Corchorus capsularis</i> , <i>C. olitorius</i> , <i>Gardenia angusta.</i> , <i>G. jasminoides</i> , <i>Phragmites communis</i> , <i>Wisteria sinensis</i>
Glycosides clerodendrin	<i>Clerodendrum trichotomum</i> , <i>C. spicatus</i>
Glycosides tribuloside	<i>Tribulus terrestris</i>
Glycosine	<i>Glycosmis cochinchinensis</i> , <i>G. pentaphylla</i>
Glycosmine	<i>Glycosmis cochinchinensis</i> , <i>G. pentaphylla</i>
Glycosminine	<i>Glycosmis cochinchinensis</i> , <i>G. pentaphylla</i>
Glycyrrhiza	<i>Glycyrrhiza pallidiflora</i> , <i>G. uralensis</i>
Glycyrrhizic acid	<i>Glycyrrhiza pallidiflora</i> , <i>G. uralensis</i>
Glycyrrhizin	<i>Arachis hypogaea</i>
Glypenosides	<i>Gynostemma pentaphyllum</i>
Gobosterin	<i>Lappa communis</i> , <i>L. edulis</i> , <i>L. major</i> , <i>L. minor</i>
Gomphrenin	<i>Gomphrena globosa</i>
Gorlic acid	<i>Hydnocarpus anthelmintica</i> , <i>H. castaneus</i>
Gossypetin	<i>Rhododendron anthopogon</i> , <i>R. mucronatum</i>
Gossypitrin	<i>Equisetum arvense</i> , <i>E. hyemale</i> , <i>E. ramosissimum</i>
Gossypol	<i>Gossypium herbaceum</i>
Graveobiosides	<i>Apium graveolens</i>
Grayanotoxin	<i>Rhododendron mucronatum</i>
Guaiacol	<i>Ficus carica</i>
Guaiaxulene	<i>Ficus carica</i>
Guaijaverin	<i>Psidium guajava</i>
Guercitrin	<i>Plumbago zeylanica</i>
Guggulsterol	<i>Commiphora myrrha</i>
Guijaverin	<i>Celosia argentea</i> , <i>C. cristata</i> , <i>C. margariacea</i>
Gum	<i>Curcuma pallida</i> , <i>C. phaeocoulis</i> , <i>Delonix regia</i> , <i>Ficus awkeotsang</i>
Gurjuncene	<i>Menyanthes trifoliata</i>
Guvacine	<i>Areca catechu</i> , <i>A. hortonsis</i>

Component	Source
Guvacoline	<i>Areca catechu</i> , <i>A. hortonsis</i>
Gypsogenin	<i>Vaccaria segetalis</i> , <i>V. pyramidata</i>
Haemanthidien	<i>Haemanthus multiflorus</i> , <i>Zephyranthes candida</i>
Haementhamine	<i>Haemanthus multiflorus</i>
Haemolytic saponenin	<i>Sansevieria trifasciata</i>
Harman	<i>Elaeagnus pungens</i> , <i>E. umbellata</i> , <i>Hippophae rhamnoides</i>
Harmane	<i>Tribulus terrestris</i>
Harmine	<i>Tribulus terrestris</i>
Harmol	<i>Hippophae rhamnoides</i>
Harpagoside	<i>Scrophularia buergeriana</i> , <i>S. kakudensis</i> , <i>S. ningpoensis</i> , <i>S. oldhami</i> , <i>S. puergeriana</i>
Harringtonine	<i>Cephalotaxus fortunei</i> , <i>C. qinensis</i> , <i>C. oliveri</i> , <i>C. wilsoniana</i> , <i>Stephania japonica</i>
Hayatidine	<i>Cissampelos pareira</i>
Hayatine	<i>Cissampelos pareira</i>
Hayatinine	<i>Cissampelos pareira</i>
Hectalactone	<i>Prunus persica</i>
Hedera acid	<i>Hedera rhombea</i> , <i>H. helix</i>
Hederagenin	<i>Aristolochia contorta</i> , <i>A. kaempferi</i> , <i>A. longa</i> , <i>A. recurvilabra</i> , <i>Caulophyllum robustum</i>
Hederasaponin B	<i>Anemone raddeana</i> , <i>A. rivularis</i> , <i>A. vitifolia</i>
Hederin	<i>Hedera rhombea</i> , <i>H. helix</i>
Helenien	<i>Tagetes patula</i>
Heliscopiol	<i>Euphorbia esula</i> , <i>E. helioscopia</i>
Hellebrin	<i>Caltha palustris</i>
Helminthosporin	<i>Cassia occidentalis</i> , <i>C. torosa</i>
Helveticoside	<i>Corchorus olitorius</i>
Helveticosol	<i>Erysimum amurense</i> , <i>E. cheiranthoides</i>
Hemigossypol	<i>Gossypium herbaceum</i>
Hemin	<i>Hippophae rhamnoides</i>
Hentriacontane	<i>Plantago asiatica</i> , <i>P. depressa</i> , <i>P. exaltata</i> , <i>P. loureiri</i> , <i>P. major</i>
Heptacosane	<i>Alnus japonica</i> , <i>Dicranopteris linearis</i>

Heptane	<i>Pittosporum tobira</i>
Herbacetrin	<i>Equisetum arvense</i> , <i>E. hyemale</i> , <i>E. ramosissimum</i>
Herberinecorysamine	<i>Macleaya cordata</i>
Hernandezine	<i>Thalictrum aquilegifolium</i> , <i>T. baicalense</i> , <i>T. fauriei</i> , <i>T. petaloideum</i> , <i>T. simplex</i> , <i>T. squarrosum</i> , <i>T. thunbergii</i>
Hernandine	<i>Stephania hernendifolia</i>
Hernandoline	<i>Stephania hernendifolia</i>
Hernandolinol	<i>Stephania hernendifolia</i>
Herniarin	<i>Carum carvi</i>
Hesperidin	<i>Citrus deliciosa</i> , <i>C. nobilis</i> , <i>C. reticulata</i> , <i>Clinopodium chinense</i> , <i>C. polycephalum</i> , <i>C. gracile</i> , <i>C. umbrosum</i> , <i>Schizonepeta multifida</i> , <i>S. tenuifolia</i>
Heutriacontane	<i>Firmiana simplex</i>
Hexacosanol	<i>Scopalia dulcis</i>
Hexadecenoic acid	<i>Myristica fragrans</i>
Hexahydromatricaria	<i>Erigeron canadensis</i> , <i>E. annuus</i>
Hexalactone	<i>Prunus persica</i>
Hexanoic acid	<i>Prunus persica</i>
Hexanol	<i>Agastache rugosa</i> , <i>A. rugosa</i> f. <i>hypoleuca</i> , <i>Prunus persica</i>
Hexylenaldehyde	<i>Ulmus campestris</i> , <i>U. macrocarpa</i> , <i>U. pumila</i>
Hibifolin	<i>Melochia corchorifolia</i>
Hinesol	<i>Atractylodes chinensis</i> , <i>A. japonica</i> , <i>A. koreana</i> , <i>A. lancea</i> , <i>A. lyrata</i> , <i>A. ovata</i> , <i>A. macrocephala</i>
Hinokiflavone	<i>Cycas revoluta</i> , <i>Podocarpus macrophyllus</i> , <i>Selaginella tamarisina</i> , <i>Thuja koraiensis</i> , <i>T. orientalis</i> , <i>T. chinensis</i>
Hirsuteine	<i>Uncaria hirsuta</i> , <i>U. rhynchophylla</i>
Hirsutine	<i>Uncaria hirsuta</i> , <i>U. rhynchophylla</i>
Hirsutrin	<i>Gossypium herbaceum</i>
Hispidulin	<i>Salvia plebeia</i>
Histamine	<i>Viscum album</i>
Homoarbutin	<i>Chimaphila umbellata</i> , <i>Pyrola decorata</i> , <i>P. japonica</i> , <i>P. incarnata</i> , <i>P. renifolia</i> , <i>P. rotundifolia</i>
Homoaromoline	<i>Stephania cepharantha</i>
Homoflavoyadorinin	<i>Viscum album</i> , <i>V. coloratum</i>

Component	Source
Homolycorine	<i>Lycoris radiata</i> , <i>L. longituba</i> , <i>L. aura</i>
Homoorientin	<i>Swertia pseudochinensis</i>
Homoorientin	<i>Fagopyrum esculentum</i> , <i>F. sagittatum</i>
Homoplantagin	<i>Plantago asiatica</i> , <i>P. depressa</i> , <i>P. exaltata</i> , <i>P. loureiri</i> , <i>P. major</i>
Homoplantaginin	<i>Salvia plebeia</i>
Homoserine	<i>Astragalus chinensis</i> , <i>A. complanatus</i> , <i>A. henyri</i> , <i>A. hoantchy</i> , <i>A. membranaceus</i> , <i>A. melilotoides</i> , <i>A. mongholicus</i> , <i>A. reflexistipulus</i> , <i>A. sinensis</i>
Homostephanoline	<i>Stephania japonica</i>
Homotrilobine	<i>Cocculus laurifolius</i> , <i>C. sarmentosus</i> , <i>C. trilobus</i>
Hopadiene	<i>Adiantum boreale</i> , <i>A. capillus-junonis</i> , <i>A. pedatum</i> , <i>A. flabellulatum</i>
Hormoharringtonine	<i>Cephalotaxus wilsoniana</i>
Houttuynium	<i>Houttuynia cordata</i>
Hovenosides	<i>Hovenia dulcis</i>
Hoyin	<i>Hoya carnosia</i>
Humulene	<i>Eugenia aromatica</i> , <i>E. caryophyllata</i> , <i>E. ulmoides</i> , <i>Juniperus rigida</i> , <i>Humulus lupulus</i> , <i>H. scandens</i>
Huperzine A	<i>Hyperzia serrata</i>
Hydnocarpus oil	<i>Hydnocarpus anthelmintica</i> , <i>H. castaneus</i>
Hydrangeic acid	<i>Hydrangea macrophylla</i>
Hydrangenol	<i>Hydrangea macrophylla</i>
Hydroagarofuran	<i>Aquilaria agallocha</i> , <i>A. sinensis</i>
Hydrocarbons	<i>Viola acuminata</i> , <i>V. alisoviana</i> , <i>V. collina</i> , <i>V. dissecta</i> , <i>V. mandshurica</i> , <i>V. patrini</i> , <i>V. prionantha</i> , <i>V. verecunda</i>
Hydrocinnamic acid	<i>Aquilaria agallocha</i> , <i>A. sinensis</i>
Hydrocinnamic aldehyde	<i>Cinnamomum zeglanicum</i>
Hydrocotylene	<i>Vitex nequundo</i>
Hydrocyanic acid	<i>Achillea alpina</i> , <i>A. millefolium</i> , <i>Anthriscus aemula</i> , <i>A. sylvestris</i> , <i>Armeniaca ansu</i> , <i>A. mandsharica</i> , <i>A. sibirica</i> , <i>A. vulgaris</i> , <i>Chaenomeles japonica</i> , <i>C. sinensis</i> , <i>C. speciosa</i> , <i>Cydonia sinensis</i> , <i>Heracleum</i> <i>dissectum</i> , <i>H. lanatum</i> , <i>Manihot esculenta</i> , <i>Photinia serrulata</i> , <i>Polygonum bistorta</i> , <i>Sanguisorba</i> <i>officinalis</i> , <i>S. grandiflora</i> , <i>S. parviflora</i> , <i>S. x tenuifolia</i> , <i>Taraxacum officinale</i>
Hydrogen cyanide	<i>Ophiorrhiza japonica</i> , <i>O. mungos</i>

Hydroquinone	<i>Ilex pubescens</i>
Hydroxybenzoic acids	<i>Achillea alpina</i> , <i>A. millefolium</i> , <i>Anthriscus aemula</i> , <i>A. sylvestris</i> , <i>Heracleum dissectum</i> , <i>H. lanatum</i> , <i>Polygonum bistorta</i> , <i>Sanguisorba officinalis</i> , <i>S. orba grandiflora</i> , <i>S. officinalis</i> , <i>S. parviflora</i> , <i>S. x tenuifolia</i> , <i>Solidago dahurica</i> , <i>S. pacifica</i> , <i>S. virgaurea</i> , <i>Taraxacum officinale</i> , <i>Vitex nequundo</i>
Hydroxycinnamic acid	<i>Melilotus alba</i> , <i>M. suaveolens</i> , <i>M. indica</i> , <i>Taraxacum officinale</i>
Hydroxycephalotaxine	<i>Cephalotaxus wilsoniana</i>
Hydroxyevodiamine	<i>Evodia rutaecarpa</i>
Hydroxygenkwanin	<i>Daphne fortunei</i> , <i>D. genkwa</i> , <i>Wikstroemia indica</i>
Hydroxyleamptothecine	<i>Camptotheca acuminata</i>
Hydroxypeucedanin	<i>Angelica decursiva</i>
Hynocarpic acid	<i>Hydnocarpus anthelmintica</i> , <i>H. castaneus</i>
Hyoscine	<i>Cyperus rotundus</i> , <i>Hyoscyamus bohemicus</i>
Hyoscyamine	<i>Datura alba</i> , <i>D. fastuosa</i> , <i>D. innoxia</i> , <i>D. metel</i> , <i>D. stramonium</i> , <i>D. tatula</i> , <i>Scopolia tangutica</i> , <i>Hyoscyamus bohemicus</i> , <i>Physochlaina infundibularis</i>
Hyoscyperin	<i>Hyoscyamus bohemicus</i>
Hypaconitine	<i>Aconitum laciniatum</i> , <i>A. kusnezoffii</i> , <i>A. chinense</i> , <i>A. vilmorinianum</i> , <i>A. pariculigerum</i> , <i>A. balfouri</i> , <i>A. carmichaelii</i> , <i>A. chasmanthum</i> , <i>A. deinorrhizum</i> , <i>A. fischeri</i> , <i>Aconitum jaluense</i> , <i>A. koreanum</i> , <i>A. napellus</i> , <i>A. praeparata</i> , <i>A. volubile</i>
Hypaphorine	<i>Abrus precatorius</i>
Hypericin	<i>Hypericum chinensis</i> , <i>H. perforatum</i> , <i>H. triquetrifolium</i>
Hyperin	<i>Chimaphila umbellata</i> , <i>Dysosma pleiantha</i> , <i>Hypericum triquetrifolium</i> , <i>H. chinensis</i> , <i>Parnassia palustris</i> , <i>Persicaria hydropiper</i> , <i>Prunus padus</i> , <i>Rumex acetosa</i> , <i>R. acetosella</i> , <i>R. amurensis</i> , <i>R. aquaticus</i> , <i>R. gmelini</i> , <i>R. longifolius</i> , <i>R. maritimus</i> , <i>R. marschallianus</i> , <i>R. stenophyllus</i> , <i>R. thyrsoiflorus</i> , <i>Saururus chinensis</i> , <i>Tussilago farfara</i> , <i>Vaccinium bracteatum</i> , <i>V. vitis-idaea</i>
Hyperoside	<i>Campanula glomerata</i> , <i>C. punctata</i> , <i>Celosia argentea</i> , <i>C. cristata</i> , <i>C. margariacea</i> , <i>Crataegus cuneata</i> , <i>C. chlorusarca</i> , <i>C. dahurica</i> , <i>C. maximowiczii</i> , <i>C. pentagyna</i> , <i>C. pinnatifida</i> , <i>C. sanguinea</i> , <i>Hibiscus mutabilis</i> , <i>Persicaria amphibia</i> , <i>Prunella vulgaris</i> , <i>Vaccinium bracteatum</i> , <i>V. vitis-idaea</i>
Hypoepistephanine	<i>Stephania japonica</i>
Hypophyllanthin	<i>Phyllanthus urinaria</i> , <i>P. niruri</i> , <i>P. reticulatus</i>
Hystonin	<i>Physalis alkekengi</i> , <i>P. angulata</i>

Component	Source
Icariine	<i>Epimedium brevicorum</i> , <i>E. koreanum</i> , <i>E. macranthum</i>
Icarlin	<i>Epimedium brevicorum</i> , <i>E. koreanum</i> , <i>E. macranthum</i>
Ifflaionic acid	<i>Scopalia dulcis</i>
Ilungianins	<i>Pimpinella thellungiana</i>
Imidazolylthylamine	<i>Solanum lyratum</i> , <i>S. melongena</i>
Imperatorin	<i>Angelica amurensis</i> , <i>A. anomala</i> , <i>A. dahurica</i> , <i>A. decursiva</i> , <i>Poncirus trifoliata</i>
Indican	<i>Clerodendrum cyrtophyllum</i> , <i>Glehnia littoralis</i> , <i>Isatis indigotica</i> , <i>I. oblongata</i> , <i>Polygonum perfoliatum</i> , <i>P. tinctorium</i>
Indigo	<i>Baphicanthus cusia</i> , <i>Isatis indigotica</i> , <i>I. oblongata</i>
Indirubin	<i>Baphicanthus cusia</i> , <i>Clerodendrum cyrtophyllum</i>
Indo-brown	<i>Baphicanthus cusia</i>
Indo-yellow	<i>Baphicanthus cusia</i>
Indoid compounds	<i>Gentiana algida</i> , <i>G. barbata</i> , <i>G. manshurica</i> , <i>G. olivieri</i> , <i>G. scabra</i> , <i>G. squarrosa</i> , <i>G. triflora</i>
Indoxyl-5-ketogluconate	<i>Isatis chinensis</i> , <i>I. tinctoria</i>
Ineole	<i>Luffa aegyptiaca</i> , <i>L. cylindrica</i> , <i>L. faetida</i> , <i>L. petola</i>
Ingigo	<i>Clerodendrum cyrtophyllum</i>
Inlin	<i>Carpesium abrotanoides</i> , <i>C. athunbergianum</i>
Inokosterone	<i>Achyranthes bidentata</i> , <i>A. japonica</i> , <i>Woodwardia japonica</i>
Inositol	<i>Lonicera acuminata</i> , <i>L. apodonta</i> , <i>L. brachypoda</i> , <i>L. japonica</i> , <i>L. confusa</i> , <i>L. hypoglauca</i> , <i>L. chinensis</i> , <i>L. flexuosa</i> , <i>L. maackii</i> , <i>Sonchus arvensis</i> , <i>S. oleraceus</i>
Insulanoline	<i>Paracyclea insularis</i>
Insularine	<i>Paracyclea ochiaiana</i> , <i>P. insularis</i> , <i>Stephania japonica</i>
Insulin	<i>Dolichos lablab</i>
Inteolin-7- β -neohesperidoside	<i>Veronica sibirica</i> , <i>V. undulata</i>
Inulicin	<i>Inula britannica</i> , <i>I. japonica</i> , <i>I. linariaefolia</i> , <i>I. salsoloides</i>
Inulin	<i>Adenophora triphylla</i> , <i>A. verticillata</i> , <i>Ajuga bracteosa</i> , <i>Calendula officinalis</i> , <i>Campanula gentianoides</i> , <i>C. grandiflora</i> , <i>Codonopsis pilosula</i> , <i>C. tangshen</i> , <i>C. ussuriensis</i> , <i>Cirsium chinense</i> , <i>C. japonicum</i> , <i>Lappa communis</i> , <i>L. edulis</i> , <i>L. major</i> , <i>L. minor</i> , <i>Senecio vulgaris</i> , <i>Taraxacum formosanum</i> , <i>T. officinale</i>
Inusterols	<i>Inula britannica</i> , <i>I. japonica</i> , <i>I. linariaefolia</i> , <i>I. salsoloides</i>

Invertase	<i>Hordeum vulgare</i> , <i>Plumbago zeylanica</i>
Invertin	<i>Menyanthes trifoliata</i>
Iodine	<i>Dioscorea bulbifera</i> , <i>Laminaria angusta</i> , <i>L. cichorioides</i> , <i>L. japonica</i> , <i>L. longipedalis</i> , <i>L. religiosa</i> , <i>Polygonum bistorta</i> , <i>Salix babylonica</i> , <i>S. matsudana</i> , <i>S. microstachya</i> , <i>Trifolium pratense</i> , <i>T. repens</i>
Iridin	<i>Iris aqyatuca</i> , <i>I. बातatas</i> , <i>I. dichotoma</i> , <i>I. lactea</i>
Iridoid glucosides	<i>Hedyotis diffusa</i> , <i>Scrophularia buergeriana</i> , <i>S. kakudensis</i> , <i>S. ningpoensis</i> , <i>S. oldhami</i> , <i>S. puergeriana</i>
Iridoidglycosides	<i>Vitex nequundo</i>
Iridomyrmecin	<i>Actinidia arguta</i> , <i>A. chinensis</i> , <i>A. japonica</i> , <i>A. kolomikta</i> , <i>A. polygama</i>
Irigenin	<i>Iris lactea</i>
Irisflorentin	<i>Iris lactea</i>
Irisquinone	<i>Iris pallasii</i>
Iron	<i>Portulaca pilosa</i> , <i>Sargassum pallidum</i>
Iron oxide	<i>Phyllostachys bambusoide</i> , <i>P. nigra</i>
Isatan	<i>Isatis chinensis</i> , <i>I. tinctoria</i>
Isatan B	<i>Clerodendrum cyrtophyllum</i> , <i>Isatis indigotica</i> , <i>I. oblongata</i>
Iso-chondrodendrine	<i>Paracylea insularis</i>
Iso-corynoxine	<i>Uncaria hirsuta</i> , <i>U. rhynchophylla</i>
Iso-cucurbitacin B	<i>Neosalsmitra integrifoliola</i>
Iso-rhynchophylline	<i>Uncaria hirsuta</i> , <i>U. rhynchophylla</i>
Isoadiantone	<i>Adiantum boreale</i> , <i>A. capillus-junonis</i> , <i>A. pedatum</i> , <i>A. flabellulatum</i>
Isoamaranthin	<i>Gomphrena globosa</i>
Isoamyl	<i>Matricaria chamomilla</i>
Isoanthricin	<i>Anthriscus aemula</i> , <i>A. sylvestris</i>
Isobavachin	<i>Psoralea corylifolia</i>
Isobeturudin	<i>Bougainvillea brasiliensis</i> , <i>B. glabra</i>
Isobutyl	<i>Matricaria chamomilla</i>
Isochaksine	<i>Cassia alata</i> ,
Isochlorogenic acid	<i>Sorbus alnifolia</i> , <i>S. amurensis</i> , <i>S. ohuashanensis</i> , <i>Viburnum sargentii</i>
Isochondrodendrine	<i>Stephania hernendifolia</i>
Isocorynoline	<i>Corydalis incisa</i> , <i>C. bungeana</i>

Component	Source
Isocorypalmine	<i>Papaver somniferum</i>
Isocryptomerin	<i>Selaginella tamarisina</i>
Isocryptotanshinone	<i>Salvia miltiorhiza</i>
Isodexyelephantopin	<i>Elephantopus molis</i>
Isoeugenitin	<i>Eugenia aromatica</i> , <i>E. caryophyllata</i> , <i>E. ulmoides</i>
Isoeugenol	<i>Myristica fragrans</i>
Isofernene	<i>Adiantum boreale</i> , <i>A. capillus-junonis</i> , <i>A. pedatum</i> , <i>A. flabellulatum</i>
Isoferulic acid	<i>Cimicifuga dahurica</i> , <i>C. foetida</i> , <i>C. heracleifolia</i> , <i>C. racemosa</i> , <i>C. ussuriensis</i>
Isoflavone derivatives	<i>Glycine max</i> , <i>G. soja</i>
Isoflavones	<i>Pueraria lobata</i> , <i>P. pseudo-hirsuta</i>
Isofuranogermacrene	<i>Lindera strychnifolia</i>
Isoginketine	<i>Ginkgo biloba</i>
Isoharringtonine	<i>Cephalotaxus wilsoniana</i>
Isohomoarbutin	<i>Chimaphila umbellata</i> , <i>Pyrola decorata</i> , <i>P. japonica</i> , <i>P. incarnata</i> , <i>P. renifolia</i> , <i>P. rotundifolia</i>
Isohumulone	<i>Humulus lupulus</i>
Isoimperatorin	<i>Notopterygium incisium</i>
Isoindigo	<i>Baphicanthus cusia</i> , <i>Clerodendrum cyrtophyllum</i>
Isoleucin	<i>Avena fatua</i>
Isoleucine	<i>Oryza sativa</i>
Isoiensinine	<i>Nelumbium nelumbo</i>
Isolinderalactone	<i>Lindera strychnifolia</i>
Isolinderoxide	<i>Lindera strychnifolia</i>
Isoliquiritigenen	<i>Glycyrrhiza pallidiflora</i> , <i>G. uralensis</i>
Isoliquiritigenin	<i>Astragalus complanatus</i> , <i>A. henyri</i> , <i>A. hoantchy</i> , <i>A. membranaceus</i> , <i>A. melilotoides</i> , <i>A. mongholicus</i> , <i>A. reflexistipulus</i> , <i>A. sinensis</i>
Isoliquiritin	<i>Glycyrrhiza pallidiflora</i> , <i>G. uralensis</i>
Isolobelamine	<i>Lobelia chinensis</i> , <i>L. pyramidalis</i> , <i>L. sessilifolia</i>
Isomaculosindine	<i>Dictamnus albus</i> , <i>D. dasycarpus</i>
Isomangiferin	<i>Anemarrhena asphodeloides</i> , <i>Pyrrosia lingua</i> , <i>P. petiolosa</i> , <i>P. sheareri</i>

Isomenthone	<i>Glechoma hederacea</i> , <i>G. longituba</i>
Isomesityl oxide	<i>Cryptotaenia japonica</i> , <i>C. canadensis</i>
Isomyristicin	<i>Anethum graveoleus</i>
Isonematatabiol	<i>Actinidia arguta</i> , <i>A. chinensis</i> , <i>A. japonica</i> , <i>A. kolomikta</i> , <i>A. polygama</i>
Isoorientin	<i>Polygonum orientale</i> , <i>Trigonella foenum-graecum</i> , <i>Vitex nequundo</i> , <i>V. trifolia</i> , <i>V. rotundifolia</i>
Isopatrinene	<i>Patrina scabiosaefolia</i>
Isopelletierine	<i>Punica granatum</i>
Isopimpinellin	<i>Zanthoxylum ailanthoides</i>
Isopinocampone	<i>Glechoma hederacea</i> , <i>G. longituba</i>
Isoquercetin	<i>Campanula glomerata</i> , <i>C. punctata</i> , <i>Hypericum attenuatum</i> , <i>H. ascyron</i> , <i>H. japonicum</i> , <i>H. perforatum</i> , <i>H. sumpsonii</i>
Isoquercitrin	<i>Apocynum venetum</i> , <i>Celosia argentea</i> , <i>C. cristata</i> , <i>C. margariacea</i> , <i>Cucumis sativus</i> , <i>Cyrtomium falcatum</i> , <i>Equisetum arvense</i> , <i>E. hyemale</i> , <i>E. ramosissimum</i> , <i>Hibiscus mutabilis</i> , <i>Houttynia cordata</i> , <i>Inula</i> <i>britannica</i> , <i>I. japonica</i> , <i>I. linariaefolia</i> , <i>I. salsoloides</i> , <i>Loropetalum chinense</i> , <i>Melaleuca leucadendra</i> , <i>Saururus chinensis</i>
Isoquinoline	<i>Chenopodium ambrosioides</i>
Isoramanone	<i>Adonis chrysocyathus</i> , <i>A. brevistyla</i> , <i>A. vernalis</i>
Isorhamnetin	<i>Caltha palustris</i> , <i>Campanula glomerata</i> , <i>C. punctata</i> , <i>Ginkgo biloba</i> , <i>Hippophae rhamnoides</i> , <i>Sophora</i> <i>japonica</i>
Isorhamnetin-3-mono-beta-D-glucoside	<i>Hippophae rhamnoides</i>
Isorhynchophylline	<i>Nauclea rhynchophylla</i> , <i>N. sinensis</i>
Isoricinoleic acid	<i>Ricinus communis</i>
Isosakuranetin	<i>Eupatorium odoratum</i>
Isosinomenine	<i>Cocculus diversifolius</i> , <i>C. thunbergii</i> , <i>Sinomenium acutum</i>
Isosteroidal alkaloids	<i>Fritillaria</i> species
Isotadeonal	<i>Persicaria hydropiper</i> , <i>Polygonum hydropiper</i>
Isotalatizidine	<i>Aconitum barbatum</i> , <i>A. austroyunnanense</i> , <i>Stemona japonica</i> , <i>S. tuberosa</i>
Isotetrandrine	<i>Stephania cepharantha</i> , <i>Thalictrum aquilegifolium</i> , <i>T. baicalense</i> , <i>T. fauriel</i> , <i>T. petaloideum</i> , <i>T. simplex</i> , <i>T. squarrosum</i> , <i>T. thunbergii</i>
Isothalidenzine	<i>Thalictrum aquilegifolium</i> , <i>T. baicalense</i> , <i>T. fauriel</i> , <i>T. petaloideum</i> , <i>T. simplex</i> , <i>T. squarrosum</i> , <i>T. thunbergii</i>

Component	Source
Isothamnetin	<i>Typha angustata</i> , <i>T. angustifolia</i> , <i>T. davidiana</i> , <i>T. latifolia</i> , <i>T. minima</i> , <i>T. orientalis</i> , <i>T. przeqalskii</i>
Isothiocyanates	<i>Lepidium apetalum</i> , <i>L. virginicum</i>
Isothujene	<i>Ledum palustre</i>
Isotrilobine	<i>Cocculus laurifolius</i> , <i>C. sarmentosus</i> , <i>C. trilobus</i>
Isovaleraldehyde	<i>Santalum album</i> , <i>S. myrtifolium</i> , <i>S. verum</i>
Isovaleric acid	<i>Artemisia gmelini</i> , <i>Cymbopogon citratus</i> , <i>Humulus lupulus</i> , <i>Valeriana alternifolia</i> , <i>V. amurensis</i> , <i>V. fauriei</i> , <i>V. subbipinnatifolia</i>
Isovanilhyperzine A	<i>Hyperzia serrata</i>
Isovitexin	<i>Jatropha podagrica</i> , <i>Polygonum orientale</i> , <i>Swertia pseudochinensis</i>
Isoxanthanol	<i>Xanthium chinense</i> , <i>X. japonicum</i> , <i>X. mongolicum</i> , <i>X. sibiricum</i> , <i>X. strumarium</i>
Izalpinin	<i>Alpinia japonica</i>
Jaligonin acid	<i>Phytolacca acinosa</i> , <i>P. americana</i> , <i>P. japonica</i> , <i>P. kaempferi</i> , <i>P. octandra</i> , <i>P. pekinensis</i>
Jambolin	<i>Syzygium cuminii</i>
Jasmiflorin	<i>Jasminum mesnyi</i> , <i>J. nudiflorum</i>
Jasmipierin	<i>Jasminum mesnyi</i> , <i>J. nudiflorum</i>
Jatamansic acid	<i>Nardostachys jatamansi</i>
Jatrorrhizine	<i>Berberis amurensis</i> , <i>B. poiretii</i> , <i>B. sibirica</i> , <i>B. soulieana</i> , <i>Coptis chinensis</i> , <i>C. japonica</i> , <i>C. teeta</i> , <i>Fibraurea recisa</i> , <i>Mahonia japonica</i> , <i>Thalictrum aquilegifolium</i> , <i>T. baicalense</i> , <i>T. fauriei</i> , <i>T. foetidum</i> , <i>T. glandulissimum</i> , <i>T. ichangense</i> , <i>T. petaloideum</i> , <i>T. simplex</i> , <i>T. squarrosus</i> , <i>T. thunbergii</i>
Jervine	<i>Hemerocallis flava</i> , <i>Veratrum dahuricum</i> , <i>V. formosanum</i> , <i>V. maackii</i> , <i>V. nigrum</i>
Juglandic acid	<i>Juncus effusus</i>
Juglanin	<i>Juglans mandshurica</i> , <i>J. regia</i>
Juglonone	<i>Juncus effusus</i>
Jugone	<i>Juglans mandshurica</i> , <i>J. regia</i>
Jujuboside A	<i>Ziziphus jujuba</i> , <i>Z. spinosa</i>
Jujuboside B	<i>Ziziphus jujuba</i> , <i>Z. spinosa</i>
k-strophanthin- β	<i>Apocynum venetum</i>
Kadsurarin A	<i>Kadsura japonica</i>
Kadsuric acid	<i>Kadsura japonica</i>

Kadsurin	<i>Kadsura japonica</i>
Kaempferin	<i>Alpinia katsumadai</i> , <i>A. globosum</i> , <i>A. kumatake</i> , <i>Cassia angustifolia</i>
Kaempferitrin	<i>Desmodium microphyllum</i> , <i>Geranium dahuricum</i> , <i>G. eriostemon</i> , <i>G. sibiricum</i> , <i>G. wlassowianum</i> , <i>G. wilfordi</i>
Kaempferol	<i>Aster ageratoides</i> , <i>Astragalus complanatus</i> , <i>A. henryi</i> , <i>A. hoantchy</i> , <i>A. membranaceus</i> , <i>A. melilotoides</i> , <i>A. mongholicus</i> , <i>A. reflexistipulus</i> , <i>A. sinensis</i> , <i>Calystegia hederacea</i> , <i>C. japonica</i> , <i>Campanula glomerata</i> , <i>C. punctata</i> , <i>Chimaphila umbellata</i> , <i>Convolvulus arvensis</i> , <i>Coriandrum sativum</i> , <i>Cornus alba</i> , <i>C. kousa</i> , <i>C. macrophylla</i> , <i>Eugenia aromatica</i> , <i>E. caryophyllata</i> , <i>E. ulmoides</i> , <i>Hypericum perforatum</i> , <i>Isatis chinensis</i> , <i>I. tinctoria</i> , <i>Parnassia palustris</i> , <i>Pedicularis resupinata</i> , <i>Persicaria amphibia</i> , <i>Plumeria rubra</i> , <i>Pongamia pinnata</i> , <i>Rhamnus davurica</i> , <i>R. parvifolia</i> , <i>Vicia faba</i>
Kaempferol glucosides	<i>Euonymus alatus</i> , <i>E. bungeanus</i> , <i>E. maackii</i>
Kaempferol trisaccharide	<i>Sesbinia sesbin</i>
Kaempferol-3-galactoside daempferol	<i>Bauhinia championi</i> , <i>B. variegata</i>
Kaempferol-3-glucoside	<i>Rosa multiflora</i> , <i>Viburnum sargentii</i>
Kaempferol-3-glucosylgalactoside	<i>Ophiopogon japonicus</i>
Kaempferol-3-rhamnoglucoside	<i>Calystegia hederacea</i> , <i>C. japonica</i> , <i>Ginkgo biloba</i>
Kaempferol-3-robinobioside	<i>Phaseolus angularis</i> , <i>P. lunatus</i> , <i>P. radiatus</i> , <i>P. vulgaris</i>
Kaempferol-3,7-diglucoside	<i>Equisetum arvense</i> , <i>E. hyemale</i> , <i>E. ramosissimum</i>
Kaempferol-7-shamnoside	<i>Chenopodium ambrosioides</i>
Kaempferol-rhamno glucoside	<i>Solidago dahurica</i> , <i>S. pacifica</i> , <i>S. virgaurea</i>
Kaempferol-rhamnoside	<i>Onychium japonicum</i> , <i>Pueraria lobata</i> , <i>P. pseudo-hirsuta</i>
Kansuinine	<i>Euphorbia kansui</i>
Kanugin	<i>Pongamia pinnata</i>
Karabin	<i>Nerum indicum</i>
Karanjin	<i>Pongamia pinnata</i>
Kaurene	<i>Podocarpus macrophyllus</i>
Kaurene derivatives	<i>Aralia chinensis</i> , <i>A. cordata</i> , <i>A. elata</i>
Ketone	<i>Hedychium coronarium</i> , <i>Plumeria rubra</i>
Khellol	<i>Cimicifuga dahurica</i> , <i>C. foetida</i> , <i>C. heracleifolia</i> , <i>C. racemosa</i> , <i>C. ussuriensis</i>
Kiganen	<i>Cryptotaenia japonica</i> , <i>C. canadensis</i>
Kiganol	<i>Cryptotaenia japonica</i> , <i>C. canadensis</i>

Component	Source
Kino-tannic acid	<i>Pterocarya stenoptera</i>
Kobusone	<i>Cyperus rotundus</i>
Konokiol	<i>Magnolia hypoleuca, M. officinalis, M. japonica</i>
Korepimedeside A	<i>Epimedium brevicorum, E. koreanum, E. macranthum</i>
Korepimedeside B	<i>Epimedium brevicorum, E. koreanum, E. macranthum</i>
Koumine	<i>Gelsemium sempervirens, G. elegans</i>
Kouminicine	<i>Gelsemium sempervirens, G. elegans</i>
Kouminine	<i>Gelsemium sempervirens, G. elegans</i>
Kukoamines	<i>Lycium chinense</i>
Kulinone	<i>Melia japonica, M. toosendan, M. azedarach</i>
Kumatakinin	<i>Alpinia japonica</i>
Kuraridin	<i>Sophora flavescens, S. alopecuroides</i>
Kurrin	<i>Picrorhiza kurroa</i>
Kutkin	<i>Picrorhiza kurroa</i>
l-(d)-isoleucine betaine	<i>Cannabis chinensis, C. sativa</i>
l-abrine	<i>Abrus precatorius</i>
l-anagryrine	<i>Sophora flavescens, S. alopecuroides</i>
l-arabinose	<i>Bupleurum chinense, B. falcatum, B. scorzoneraefolium, Malva chinensis, M. pulchella, M. verticillata, M. sylvestris, Plantago asiatica, P. depressa, P. exaltata, P. loureiri, P. major</i>
l-baptifoline	<i>Sophora flavescens, S. alopecuroides</i>
l-beta-santonin	<i>Artemisia finita, A. frigida</i>
l-borneol	<i>Liquidambar acerifolia, L. formosana, L. maximowiczii</i>
l-cadinene	<i>Murraya paniculata</i>
l-camphen	<i>Cnidium monnieri</i>
l-camphor	<i>Hedyotis corymbosa</i>
l-caryophyllene	<i>Valeriana alternifolia, V. amurensis, V. fauriei, V. subbipinnatifolia</i>
l-citronellol	<i>Rosa rugosa</i>
l-cocaine	<i>Erythroxylum coca</i>
l-curcamene	<i>Curcuma longa</i>

l-ephedrin	<i>Pinellia ternata, P. tuberifera</i>
l-ephedrine	<i>Ephedra distachya, E. equisetina, E. intermedia, E. monosperma, E. sinica</i>
l-epicatechin	<i>Crataegus cuneata, C. chlorusarca, C. dahurica, C. maximowiczii, C. pentagyna, C. pinnatifida, C. sanguinea</i>
l-epicatechol	<i>Camellia japonica, Vaccinium bracteatum, V. vitis-idaea</i>
l-hexacosene	<i>Acanthopanax giraldii</i>
l-hyoscyamine	<i>Datura suaveolens</i>
l-limonene	<i>Chenopodium ambrosioides, Melaleuca leucadendra, Valeriana alternifolia, V. amurensis, V. fauriei, V. subbipinnatifolia</i>
l-linalool	<i>Cinnamomum zeglanicum, Rosa rugosa, Tagetes erecta</i>
l-menthone	<i>Glechoma hederacea, G. longituba, Lysimachia barystachys, L. christinae, L. clethroides, L. davurica</i>
l-methylcytisine	<i>Sophora flavescens, S. alopecuroides</i>
l-methylephedrine	<i>Ephedra distachya, E. equisetina, E. intermedia, E. monosperma, E. sinica</i>
l-norephedrine	<i>Ephedra distachya, E. equisetina, E. intermedia, E. monosperma, E. sinica</i>
l-p-menthene	<i>Rosa rugosa</i>
l-perilla	<i>Perilla frutescens, P. ocymoides, P. polystachya, P. arguta</i>
l-phellandrine	<i>Cinnamomum zeglanicum</i>
l-pimara-8,15-dien-19-oic acid	<i>Aralia chinensis, A. cordata, A. elata</i>
l-pinene	<i>Cnidium monnieri, Lysimachia barystachys, L. christinae, L. clethroides, L. davurica</i>
l-pinocamphone	<i>Glechoma hederacea, G. longituba, Lysimachia barystachys, L. christinae, L. clethroides, L. davurica</i>
l-propenylsulfonic acid	<i>Allium victorialis</i>
l-pulegone	<i>Glechoma hederacea, G. longituba</i>
l-rhamnose	<i>Malva chinensis, M. pulchella, M. verticillata, M. sylvestris, Plantago asiatica, P. depressa, P. exaltata, P. loureiri, P. major</i>
l-sesamen	<i>Eleutherococcus senticosus</i>
l-sesamin	<i>Acanthopanax sessiliflorus</i>
l-stepharine	<i>Menispermum dauricum</i>
l-tetrahydropalmitine	<i>Stephania sinica</i>
Labdadien	<i>Araucaria cunninghamii</i>
Labenzyme	<i>Cirsium chinense, C. japonicum</i>

Component	Source
Laccerol	<i>Baphicanthus cusia</i>
Lacerol	<i>Clerodendrum cyrtophyllum</i>
Lacnophyllum	<i>Erigeron canadensis</i> , <i>E. annuus</i>
Lactiflorenol	<i>Artemisia lactiflora</i>
Lactone	<i>Cleome spinosa</i> , <i>C. gynandra</i> , <i>C. viscosa</i> , <i>Eupatorium chinense</i> , <i>E. lindleyanum</i> , <i>E. japonicum</i> , <i>Rhaponticum uniflorum</i>
Lactones-xanthatin	<i>Vitex nequndo</i>
Lactucerol	<i>Sonchus arvensis</i> , <i>S. oleraceus</i>
Laminarin	<i>Laminaria angusta</i> , <i>L. cichorioides</i> , <i>L. japonica</i> , <i>L. longipedalis</i> , <i>L. religiosa</i>
Laminine	<i>Laminaria angusta</i> , <i>L. cichorioides</i> , <i>L. japonica</i> , <i>L. longipedalis</i> , <i>L. religiosa</i>
Lapase	<i>Aquilegia vulgaris</i>
Lappaol	<i>Arctium lappa</i>
Lappatin	<i>Lappa communis</i> , <i>L. edulis</i> , <i>L. major</i> , <i>L. minor</i>
Lappine	<i>Lappa communis</i> , <i>L. edulis</i> , <i>L. major</i> , <i>L. minor</i>
Larreagenin	<i>Anredera cordifolia</i>
Latex	<i>Ficus pumila</i> , <i>F. inicrocarpa</i>
Lathyrol diacetate benzoate	<i>Euphorbia lathyrus</i> , <i>E. lucorum</i> , <i>E. resinifera</i> , <i>E. thymifolia</i>
Lathyrol diacetate nicotinate	<i>Euphorbia lathyrus</i> , <i>E. lucorum</i> , <i>E. resinifera</i> , <i>E. thymifolia</i>
Laudanine	<i>Papaver somniferum</i>
Lauric acid	<i>Ajuga bracteosa</i> , <i>Citrullus anguria</i> , <i>C. edulis</i> , <i>C. lanatus</i> , <i>C. vulgaris</i> , <i>Lindera obtusiloba</i> , <i>Melia japonica</i> , <i>M. toosendan</i> , <i>M. azedarach</i> , <i>Myristica fragrans</i> , <i>Sepium sebiferum</i> , <i>S. discolor</i> , <i>Taraxacum mongolicum</i> , <i>T. sinicum</i>
Laurifoline	<i>Zanthoxylum ailanthoides</i>
Laurotetanine	<i>Cassytha filliformis</i> , <i>Litsea cubeba</i>
Lavoxanthin	<i>Senecio argunensis</i> , <i>S. nemorensis</i> , <i>S. scandens</i>
Lawsonie	<i>Impatiens balsamina</i> , <i>I. noli-tangere</i> , <i>I. textori</i> , <i>Lawsonia inermis</i>
Laxogenin	<i>Smilax china</i> , <i>S. nipponica</i> , <i>S. sieboldii</i> , <i>S. riparia</i>
Lecithin	<i>Polygonum multifolrum</i> , <i>P. chinensis</i> , <i>Sesamum indicum</i>
Lecithine	<i>Cardamine leucantha</i> , <i>C. lyrata</i>

Lenrosine	<i>Catharanthus roseus</i>
Lenrosivine	<i>Catharanthus roseus</i>
Leonaridine	<i>Leonurus heterophyllus</i> , <i>L. japonicus</i> , <i>L. macranthus</i> , <i>L. mongolicus</i> , <i>L. pseudo-macranthus</i>
Leonurine	<i>Leonurus heterophyllus</i> , <i>L. japonicus</i> , <i>L. macranthus</i> , <i>L. mongolicus</i> , <i>L. pseudo-macranthus</i> , <i>L. sibiricus</i>
Leonurinine	<i>Leonurus heterophyllus</i> , <i>L. japonicus</i> , <i>L. macranthus</i> , <i>L. mongolicus</i> , <i>L. pseudo-macranthus</i>
Leucaenine	<i>Leucaena leucocephala</i>
Leucanol	<i>Leucaena leucocephala</i>
Leucine	<i>Avena fatua</i> , <i>Dioscorea opposita</i> , <i>Linum stelleroides</i> , <i>L. usitatissimum</i> , <i>Litchi chinensis</i> , <i>Oryza sativa</i>
Leucoanthocyanins	<i>Camellia japonica</i> , <i>Fagopyrum esculentum</i> , <i>F. sagittatum</i> , <i>Persicaria hydropiper</i> , <i>Plumbago zeylanica</i> , <i>Prunus persica</i>
Leucocyanidin	<i>Pileostegia viburnoides</i>
Leucocyanidol	<i>Euphorbia hirta</i>
Leucylphenylalanine anhydride	<i>Ligusticum chuanziang</i>
Levidulinase	<i>Amorphophallus rivieri</i>
Leviduline	<i>Amorphophallus rivieri</i>
Levulose	<i>Eriobotrya japonica</i>
Lichenin	<i>Usnea diffracta</i> , <i>U. longissima</i>
Liderane	<i>Lindera strychnifolia</i>
Liensinine	<i>Nelumbium nelumbo</i>
Lignin	<i>Arctium lappa</i> , <i>Boehmeria densiflora</i> , <i>Melaleuca leucadendra</i> , <i>Quercus acutissima</i> , <i>Q. aliena</i> , <i>Q. dentata</i> , <i>Q. liaotungensis</i> , <i>Q. mongolica</i> , <i>Q. variabilis</i>
Lignoceric acid	<i>Machilus thunbergii</i> , <i>Sinapis alba</i>
Ligustilide	<i>Angelica polymorpha</i> , <i>A. sinensis</i> , <i>Ligusticum chuanziang</i>
Limonene	<i>Anethum graveoleus</i> , <i>Artemisia lactiflora</i> , <i>Blumea balsumifera</i> , <i>Chrysanthemum boreale</i> , <i>C. indicum</i> , <i>C. lavandulaefolium</i> , <i>C. procumbens</i> , <i>C. tripartitum</i> , <i>Citrus deliciosa</i> , <i>C. nobilis</i> , <i>Conyza canadensis</i> , <i>Coriandrum sativum</i> , <i>Cunninghamia lanceolata</i> , <i>Erigeron canadensis</i> , <i>E. annuus</i> , <i>Glechoma hederacea</i> , <i>G. longituba</i> , <i>Juniperus rigida</i> , <i>Ledum palustre</i> , <i>Lindera glauca</i> , <i>Luffa aegyptiaca</i> , <i>L. cylindrica</i> , <i>L. faetida</i> , <i>L. petola</i> , <i>Lysimachia barystachys</i> , <i>L. christinae</i> , <i>L. clethroides</i> , <i>L. davurica</i> , <i>Medicago falcata</i> , <i>M. lupulina</i> , <i>M. polymorpha</i> , <i>M. ruthenica</i> , <i>M. sativa</i> , <i>Notopterygium incisum</i> , <i>Oenothera javanica</i> , <i>Perilla frutescens</i> , <i>P. ocyroides</i> , <i>P. polystachya</i> , <i>P. arguta</i> , <i>Pinus bungeana</i> , <i>P. densiflora</i> , <i>P. koraiensis</i> , <i>P. sylvestris</i> , <i>P. tabulaeformis</i> , <i>Tagetes patula</i> , <i>Thymus vulgaris</i> , <i>Xanthoxylum piperitum</i> , <i>Zanthoxylum bungeanum</i>

Component	Source
Limonin	<i>Dictamnus albus</i> , <i>D. dasycarpus</i> , <i>Evodia rutaecarpa</i> , <i>Poncirus trifoliata</i>
Linalol	<i>Elettaria cardamomum</i>
Linalool	<i>Agastache rugosa</i> , <i>A. rugosa</i> f. <i>hypoleuca</i> , <i>Amomum cardamomum</i> , <i>A. globosum</i> , <i>A. tsao-ko</i> , <i>A. villosum</i> , <i>A. xanthloides</i> , <i>Artemisia argyi</i> , <i>A. halodendron</i> , <i>A. igniaria</i> , <i>A. indica</i> , <i>A. integrifolia</i> , <i>A. japonica</i> , <i>A. keiskeana</i> , <i>A. lagocephala</i> , <i>A. lavandulaefolia</i> , <i>A. scoparia</i> , <i>A. selengensis</i> , <i>A. sieversiana</i> , <i>A. vulgarts</i> , <i>Citrus reticulata</i> , <i>Conyza canadensis</i> , <i>Coriandrum sativum</i> , <i>Cymbopogon citratus</i> , <i>Eupatorium chinense</i> , <i>E. lindleyanum</i> , <i>E. japonicum</i> , <i>Glechoma hederacea</i> , <i>G. longituba</i> , <i>Hedyotis corymbosa</i> , <i>H. diffusa</i> , <i>Litsea cubeba</i> , <i>Luffa aegyptiaca</i> , <i>L. cylindrica</i> , <i>L. faetida</i> , <i>L. petola</i> , <i>Medicago falcata</i> , <i>M. lupulina</i> , <i>M. polymorpha</i> , <i>M. ruthenica</i> , <i>M. sativa</i> , <i>Michelia alba</i> , <i>M. figo</i> , <i>Myristica fragrans</i> , <i>Perilla frutescens</i> , <i>P. ocyroides</i> , <i>P. polystachya</i> , <i>P. arguta</i> , <i>Plumeria rubra</i> , <i>Tagetes patula</i> , <i>Thymus vulgaris</i> , <i>Zanthoxylum bungeanum</i> , <i>Zingiber officinale</i>
Linalyl acetate	<i>Tagetes patula</i> , <i>Thymus vulgaris</i>
Linamarase	<i>Fagopyrum esculentum</i> , <i>F. sagittatum</i>
Linamarin	<i>Linum stelleroides</i> , <i>L. usitatissimum</i>
Linaracrine	<i>Lindera akoensis</i>
Linarezine	<i>Lindera akoensis</i>
Linarin	<i>Lindera akoensis</i>
Linderalactone	<i>Lindera strychnifolia</i>
Linderene	<i>Lindera strychnifolia</i>
Linderic acid	<i>Lindera obtusiloba</i>
Linderol	<i>Lindera obtusiloba</i>
Linderoxide	<i>Lindera strychnifolia</i>
Lindestrene	<i>Lindera strychnifolia</i>
Lindestreolide	<i>Lindera strychnifolia</i>
Linoleic acid	<i>Acanthopanax gracilistylus</i> , <i>A. spinosum</i> , <i>Angelica grosserrata</i> , <i>Ajuga bracteosa</i> , <i>Aquilegia vulgaris</i> , <i>Benincasa cerifera</i> , <i>B. hispida</i> , <i>Cardamine leucantha</i> , <i>C. lyrata</i> , <i>Cibotium barometz</i> , <i>Citrullus anguria</i> , <i>C. edulis</i> , <i>C. lanatus</i> , <i>C. vulgaris</i> , <i>Coix agrestis</i> , <i>C. chinensis</i> , <i>C. lachryma</i> , <i>Cucumis sativus</i> , <i>Elettaria cardamomum</i> , <i>Jatropha gossypifolia</i> , <i>J. curcas</i> , <i>Lindera obtusiloba</i> , <i>Myristica fragrans</i> , <i>Sinapis alba</i> , <i>Tamarindus indicus</i> , <i>Sesamum indicum</i>

Linolein	<i>Typhonium giganteum</i>
Linolenic acid	<i>Cardamine leucantha</i> , <i>C. lyrata</i> , <i>Cornus walteri</i> , <i>Oenothera terythrosepala</i>
Linoleyl acetate	<i>Conyza canadensis</i> .
Linolic acid	<i>Corchorus capsularis</i> , <i>C. olitorius</i>
Lipase	<i>Ulmus campestris</i> , <i>U. macrocarpa</i> , <i>U. pumila</i>
Liquiritigenin	<i>Glycyrrhiza pallidiflora</i> , <i>G. uralensis</i>
Liquiritin	<i>Glycyrrhiza pallidiflora</i> , <i>G. uralensis</i>
Liriodenine	<i>Magnolia hypoleuca</i> , <i>M. officinalis</i> , <i>M. japonica</i>
Lirodenine	<i>Nelumbium nuciferum</i> , <i>N. speciosum</i>
Lithospermin	<i>Lithospermum erythrorhizon</i> , <i>L. officinalis</i>
Llysine	<i>Taraxacum mongolicum</i> , <i>T. sinicum</i>
Lobelanidine	<i>Lobelia chinensis</i> , <i>L. pyramidalis</i> , <i>L. sessilifolia</i>
Lobelanine	<i>Lobelia chinensis</i> , <i>L. pyramidalis</i> , <i>L. sessilifolia</i>
Lobeline	<i>Lobelia chinensis</i> , <i>L. pyramidalis</i> , <i>L. sessilifolia</i>
Loganin	<i>Cornus officinalis</i> , <i>C. walteri</i> , <i>Lonicera acuminata</i> , <i>L. apodonta</i> , <i>L. brachypoda</i> , <i>L. chinensis</i> , <i>L. confusa</i> , <i>L. flexuosa</i> , <i>L. hypoglauca</i> , <i>L. japonica</i> , <i>L. maackii</i> , <i>Menyanthes trifoliata</i>
Loliolide	<i>Maytenus diversifolia</i> , <i>M. confertiflorus</i>
Longiceroides	<i>Cornus officinalis</i>
Lonicerin	<i>Lonicera acuminata</i> , <i>L. apodonta</i> , <i>L. brachypoda</i> , <i>L. chinensis</i> , <i>L. confusa</i> , <i>L. flexuosa</i> , <i>L. hypoglauca</i> , <i>L. japonica</i> , <i>L. maackii</i> , <i>Menyanthes trifoliata</i>
Lotaustralin	<i>Linum stelleroides</i> , <i>L. usitatissimum</i>
Lotusine	<i>Nelumbium nelumbo</i>
Lucernol	<i>Medicago falcata</i> , <i>M. lupulina</i> , <i>M. polymorpha</i> , <i>M. ruthenica</i> , <i>M. sativa</i>
Lumicaerulic acid	<i>Coptis chinensis</i> , <i>C. japonica</i> , <i>C. teeta</i>
Lunularic acid	<i>Pileostegia viburnoides</i>
Lupenone	<i>Adenophora triphylla</i> , <i>A. verticillata</i> , <i>Alnus japonica</i> , <i>Firmiana simplex</i>
Lupeol	<i>Elephantopus molis</i> , <i>Eupatorium odoratum</i> , <i>Ficus carica</i> , <i>Plumeria rubra</i> , <i>Prunus padus</i> , <i>Viscum album</i> , <i>V. coloratum</i>
Lupeol acetate	<i>Artocarpus altilis</i> , <i>Elephantopus molis</i>
Lupeol palmitate	<i>Jatropha podagrica</i>

Component	Source
Lupeose	<i>Isatis chinensis</i> , <i>I. tinctoria</i>
Lupin alkaloid	<i>Euchresta japonicum</i>
Lupinidin	<i>Lupinus luteus</i>
Lupinine	<i>Lupinus luteus</i>
Lupulin	<i>Humulus lupulus</i>
Lupulone	<i>Humulus lupulus</i> , <i>H. scandens</i>
Lutein	<i>Cuscuta australis</i> , <i>Taraxacum mongolicum</i> , <i>T. sinicum</i>
Luteioic acid	<i>Psidium guajava</i>
Luteolin	<i>Ajuga bracteosa</i> , <i>A. decumbens</i> , <i>A. pygmaea</i> , <i>Anthriscus aemula</i> , <i>A. sylvestris</i> , <i>Bidens tripartita</i> , <i>Codonopsis lanceolata</i> , <i>Humulus scandens</i> , <i>Lonicera acuminata</i> , <i>L. apodonta</i> , <i>L. brachypoda</i> , <i>L. chinensis</i> , <i>L. confusa</i> , <i>L. flexuosa</i> , <i>L. hypoglauca</i> , <i>L. japonica</i> , <i>L. maackii</i> , <i>Perilla frutescens</i> , <i>P. ocyroides</i> , <i>P. polystachya</i> , <i>P. arguta</i> , <i>Physalis alkekengi</i> , <i>Veronica sibirica</i> , <i>V. undulata</i>
Luteolin-7-glucoside	<i>Arthruxon hispidus</i> , <i>Daucus carota</i> , <i>Juncus effusus</i> , <i>Persicaria amphibia</i> , <i>Thymus amurensis</i> , <i>T. disjunctus</i> , <i>T. kitagawianus</i> , <i>T. komarovii</i> , <i>T. przewalskii</i> , <i>T. quinquecostatus</i> , <i>Vitex trifolia</i> , <i>V. rotundifolia</i>
Luteolin-7-rhamnoglucoside	<i>Lonicera acuminata</i> , <i>L. apodonta</i> , <i>L. brachypoda</i> , <i>L. chinensis</i> , <i>L. confusa</i> , <i>L. flexuosa</i> , <i>L. hypoglauca</i> , <i>L. japonica</i> , <i>L. maackii</i>
Luteolin-7-β-D-glucoside	<i>Agrimonia eupatoria</i> , <i>A. pilosa</i> , <i>A. viscidula</i>
Luteolin-7-β-D-glucopyranoside	<i>Lemmaphyllum microphyllum</i>
Luteolin-monoarabinoside	<i>Arthruxon hispidus</i> , <i>A. hispidus</i>
Luteoline	<i>Arthruxon hispidus</i>
Luteolinidin	<i>Juncus effusus</i>
Luteolinidin 5-glucoside	<i>Azolla imbricata</i>
Lycoclavanin	<i>Lycopodium clavatum</i> , <i>L. obscurum</i> , <i>L. selago</i> , <i>L. serratum</i>
Lycoclavanol	<i>Lycopodium clavatum</i> , <i>L. obscurum</i> , <i>L. selago</i> , <i>L. serratum</i>
Lycodoline	<i>Lycopodium clavatum</i> , <i>L. obscurum</i> , <i>L. selago</i> , <i>L. serratum</i>
Lycopene	<i>Calendula officinalis</i> , <i>Crocus sativus</i> , <i>Daucus carota</i> , <i>Hippophae rhamnoides</i>
Lycopodine	<i>Lycopodium annotinum</i> , <i>L. cernuum</i> , <i>L. compianatum</i>
Lycopose	<i>Lycopus fargesii</i> , <i>L. lucidus</i> , <i>L. maackianus</i> , <i>L. parviflorus</i> , <i>L. ramosissimus</i> , <i>L. veitchii</i>
Lycoramine	<i>Hippeastrum hybridum</i> , <i>Lycoris radiata</i> , <i>L. longituba</i> , <i>L. aura</i>

Lycorenine	<i>Lycoris radiata, L. longituba, L. aura</i>
Lycoricidine	<i>Lycoris radiata, L. longituba, L. aura</i>
Lycoricidinol	<i>Lycoris radiata, L. longituba, L. aura</i>
Lycorin	<i>Hymenocallis speciosa</i>
Lycorine	<i>Clivia miniata, Hippeastrum hybridum, Lycoris radiata, L. longituba, L. aura, Narcissus tazetta, Zephyranthes candida</i>
Lyoniols	<i>Lyonia ovalifolia</i>
Lysine	<i>Dolichos lablab, Litchi chinensis, Oryza sativa</i>
Lysopine	<i>Parthenocissus tricuspidata</i>
Maclurin	<i>Morus alba, M. constantinopolitana, M. indica</i>
Macrephyllic acid	<i>Podocarpus macrophyllus</i>
Macrophylline	<i>Senecio argunensis, S. nemorensis, S. scandens</i>
Madecassoside	<i>Centella asiatica</i>
Maesaguinone	<i>Maesa japonica, M. tenera</i>
Magnesium	<i>Portulaca pilosa, P. oleracea</i>
Magnocurarine	<i>Magnolia biloba, M. denudata, M. discolor, M. grandiflora, M. hypoleuca, M. japonica, M. liliflora, M. officinalis, M. purpurea</i>
Magnoflorine	<i>Aristolochia debilis, A. contorta, A. kaempferi, A. longa, A. recurvilabra, Caulophyllum robustum, Cocculus laurifolius, C. sarmentosus, C. trilobus, Epimedium brevicorum, E. koreanum, E. macranthum, Magnolia hypoleuca, M. japonica, M. officinalis, Menispermum dauricum, Papaver somniferum, Sinomenium acutum, Thalictrum foetidum, Zanthoxylum ailanthoides, Z. schinifolium</i>
Magnolol	<i>Magnolia hypoleuca, M. officinalis, M. japonica</i>
Mairin	<i>Eugenia aromatica, E. caryophyllata, E. ulmoides</i>
Makisterones	<i>Podocarpus macrophyllus</i>
Makulor	<i>Commiphora myrrha</i>
Malic acid	<i>Chaenomeles japonica, C. sinensis, C. speciosa, Coriandrum sativum, Cornus officinalis, Cydonia sinensis, Drosera anglica, D. burmanni, D. rotundifolia, Eriobotrya japonica, Lactuca raddeana, L. indica, L. sativa, Macrocarpium officinalis, Matricaria chamomilla, Oxalis corriculaza, O. corymbosa, Prunus mume, P. persica, Ribes mandshurica, Viburnum sargentii, Vitis amurensis, V. vinifera</i>
Mallorepine	<i>Mallotus repandus</i>

Component	Source
Mallotin	<i>Mallotus repandus</i>
Maltase	<i>Fagopyrum esculentum, F. sagittatum, Solanum indicum</i>
Maltose	<i>Hordeum vulgare</i>
Maluidin glucoside	<i>Syzygium cuminii</i>
Malvidin	<i>Lythrum salicaria, Medicago falcata, M. lupulina, M. polymorpha, M. ruthenica, M. sativa</i>
Malvin	<i>Lythrum salicaria</i>
Mandelonitrile	<i>Prunus armeniaca</i>
Mangasene	<i>Portulaca pilosa</i>
Mangiferin	<i>Anemarrhena asphodeloides</i>
Mannan	<i>Dioscorea batatus</i>
Manneotetrose	<i>Isatis chinensis, I. tinctoria</i>
Mannit	<i>Gardenia angusta, G. jasminoides</i>
Mannitol	<i>Scopalia dulcis, Sonchus arvensis, S. oleraceus, Thesium chinense, Veronica sibirica, V. undulata</i>
Mannosan	<i>Luffa aegyptiaca, L. cylindrica, L. faetida, L. petola</i>
Mannosan	<i>Trachycarpus wagnerianus, T. fortunei</i>
Mannose	<i>Amorphophallus rivieri, Cucumis sativus, Jasminum mesnyi, J. nudiflorum</i>
Margaric acid	<i>Sepium sebiferum, S. discolor</i>
Markogenin	<i>Anemarrhena asphodeloides</i>
Marmesin	<i>Angelica amurensis, A. anomala, A. dahurica</i>
Marsdeoreophisides	<i>Marsdenia tenacissima</i>
Martaicaria ester	<i>Conyza canadensis.</i>
Maslinic acid	<i>Chamaenerion angustifolium, Crataegus cuneata, C. chlorusarca, C. dahurica, C. maximowiczii, C. pentagyna, C. pinnatifida, C. sanguinea, Punica granatam,</i>
Masperuloside	<i>Morinda citrifolia, M. officinalis</i>
Masticinic acid	<i>Pistacia lentiscus</i>
Masticonic acid	<i>Pistacia lentiscus</i>
Masticoresene	<i>Pistacia lentiscus</i>
Matai-resinol	<i>Arctium lappa</i>
Matairesinoside	<i>Trachelospermum jasminoides</i>

Matatabic acid	<i>Actinidia arguta, A. chinensis, A. japonica, A. kolomikta, A. polygama</i>
Matatabiether	<i>Actinidia arguta, A. chinensis, A. japonica, A. kolomikta, A. polygama</i>
Matatabistic acid	<i>Actinidia arguta, A. chinensis, A. japonica, A. kolomikta, A. polygama</i>
Matricaria	<i>Erigeron canadensis, E. annuus</i>
Matrine	<i>Sophora subprostrata</i>
Maytanacine	<i>Maytenus serrata, M. hookeri</i>
Maytanbutine	<i>Maytenus serrata, M. hookeri</i>
Maytanprine	<i>Maytenus serrata, M. hookeri</i>
Maytansine	<i>Maytenus diversifolia, M. confertiflorus, M. hookeri, M. serrata</i>
Maytansinol	<i>Maytenus serrata, M. hookeri</i>
Maytanvaline	<i>Maytenus serrata, M. hookeri</i>
Meconine	<i>Papaver somniferum</i>
Medicagemic acid	<i>Medicago falcata, M. lupulina, M. polymorpha, M. ruthenica, M. sativa</i>
Melaleucin	<i>Melaleuca leucadendra</i>
Melialactone	<i>Melia azedarach, M. japonica, M. toosendan</i>
Melianodiol	<i>Melia japonica, M. toosendan, M. azedarach</i>
Melianol	<i>Melia japonica, M. toosendan, M. azedarach</i>
Melianotriol	<i>Melia azedarach, M. japonica, M. toosendan</i>
Meliatin	<i>Menyanthes trifoliata</i>
Melibiose	<i>Solanum indicum</i>
Melilotic acid	<i>Melilotus alba, M. suaveolens, M. indica</i>
Melilotoside	<i>Melilotus alba, M. suaveolens, M. indica</i>
Melocorin	<i>Melochia corchorifolia</i>
Melotoxin	<i>Cucumis melo</i>
Menisnine	<i>Cissampelos pareira</i>
Menisperine	<i>Menispermum dauricum</i>
Menispermine	<i>Menispermum dauricum</i>
Menthene	<i>Rosa rugosa</i>
Menthiafolin	<i>Menyanthes trifoliata</i>

Component	Source
Menthol	<i>Glechoma hederacea</i> , <i>G. longituba</i> , <i>Luffa aegyptiaca</i> , <i>L. cylindrica</i> , <i>L. faetida</i> , <i>L. petola</i> , <i>Mentha arvensis</i> , <i>M. dahurica</i> , <i>M. haplocalyx</i> , <i>M. sachalinensis</i>
Menthone	<i>Luffa aegyptiaca</i> , <i>L. cylindrica</i> , <i>L. faetida</i> , <i>L. petola</i> , <i>Mentha arvensis</i> , <i>M. dahurica</i> , <i>M. haplocalyx</i> , <i>M. sachalinensis</i>
Menthyl acetate	<i>Mentha arvensis</i> , <i>M. dahurica</i> , <i>M. haplocalyx</i> , <i>M. sachalinensis</i>
Menyanthin	<i>Menyanthes trifoliata</i>
Meoglucobrassicin	<i>Isatis indigotica</i> , <i>I. oblongata</i>
Mesaconitine	<i>Aconitum balfourii</i> , <i>A. carmichaelii</i> , <i>A. chasmanthum</i> , <i>A. chinense</i> , <i>A. deinorrhizum</i> , <i>A. fischeri</i> , <i>A. jaluense</i> , <i>A. koreanum</i> , <i>A. kusnezoffii</i> , <i>A. laciniatum</i> , <i>A. napellus</i> , <i>A. pariculigerum</i> , <i>A. praeparata</i> , <i>A. vilmorinianum</i> , <i>A. volubile</i>
Mesityl oxide	<i>Cryptotaenia japonica</i> , <i>C. canadensis</i>
Mesoinositol	<i>Clerodendrum trichotomum</i> , <i>C. spicatus</i> , <i>Viscum album</i> , <i>V. coloratum</i>
Metaphanine	<i>Stephania japonica</i>
Metaploxigenin	<i>Marsdenia tenacissima</i>
Methanethiol	<i>Asparagus cochinenesis</i> , <i>A. falcatus</i> , <i>A. insularis</i> , <i>A. lucidus</i> , <i>A. officinalis</i>
Methanolic	<i>Morinda parvifolia</i>
Methioine	<i>Oryza sativa</i>
Methoxyl-camptothecine	<i>Camptotheca acuminata</i>
Methoxylhemigiosipol	<i>Gossypium herbaceum</i>
Methyl-3-O-beta-glucopyranosyl-gallate	<i>Rosa acicularis</i> , <i>R. amygdalifolia</i> , <i>R. davurica</i> , <i>R. davurica</i> , <i>R. koreana</i> , <i>R. laevigata</i> , <i>R. maximowicziana</i>
Methyl acetyl-isocupressate	<i>Araucaria cunninghamii</i>
Methyl allyltrisulfide	<i>Allium victorialis</i>
Methyl allyldisulfide	<i>Allium victorialis</i>
Methyl amentoflavone	<i>Araucaria cunninghamii</i>
Methyl anthranilate	<i>Citrus deliciosa</i> , <i>C. nobilis</i>
Methyl-bellidifolin	<i>Swertia pseudochinensis</i>
Methyl caffeate	<i>Campanula glomerata</i> , <i>C. punctata</i>
Methyl cinnamate	<i>Alpinia officinarum</i>
Methyl communate	<i>Araucaria cunninghamii</i>

Methyl-corypalline	<i>Nelumbium nelumbo</i>
Methyl eugenol	<i>Michelia alba</i> , <i>M. figo</i>
Methyl isobutyl ketone	<i>Cryptotaenia japonica</i> , <i>C. canadensis</i>
Methyl isocupressate	<i>Araucaria cunninghamii</i>
Methyl-l-propenyl disulfide	<i>Allium victorialis</i>
Methyl-laurate	<i>Osmanthus fragrans</i>
Methyl-n-amyl ketone	<i>Cinnamomum zeglanicum</i>
Methyl n-nonyl ketone	<i>Zanthoxylum ailanthoides</i>
Methyl nigakinone	<i>Picrasma quassioides</i>
Methyl palmitate	<i>Codonopsis pilosula</i> , <i>C. tangshen</i> , <i>C. ussuriensis</i>
Methyl-pelletierine	<i>Punica granatum</i>
Methyl salicylate	<i>Gaultheria leucocarpa</i>
Methyl-swertianin	<i>Swertia pseudochinensis</i>
Methylacetic acid	<i>Erigeron canadensis</i> , <i>E. annuus</i>
Methylantranilate	<i>Citrus reticulata</i> , <i>Murraya paniculata</i>
Methylchavicol	<i>Agastache rugosa</i> , <i>A. rugosa</i> f. <i>hypoleuca</i> , <i>Foeniculum officinale</i> , <i>F. vulgare</i>
Methylcytisine	<i>Caulophyllum robustum</i> , <i>Sophora subprostrata</i>
Methylene-bishydroxy-coumarin	<i>Medicago falcata</i> , <i>M. lupulina</i> , <i>M. polymorpha</i> , <i>M. ruthenica</i> , <i>M. sativa</i>
Methylephedrine	<i>Ephedra distachya</i> , <i>E. equisetina</i> , <i>E. intermedia</i> , <i>E. monosperma</i> , <i>E. sinica</i>
Methylethylacetic ester	<i>Michelia alba</i> , <i>M. figo</i>
Methylheptenol	<i>Cymbopogon citratus</i>
Methylheptenone	<i>Cymbopogon citratus</i> , <i>Zingiber officinale</i>
Methylisopelletierine	<i>Punica granatum</i>
Methylkulonate	<i>Melia japonica</i> , <i>M. toosendan</i> , <i>M. azedarach</i>
Methylcaconitine	<i>Delphinium grandiflorum</i>
Methylmyristate	<i>Osmanthus fragrans</i>
Methylpentosans	<i>Abutilon theophrasti</i> , <i>A. avicennae</i>
Methylpalmitate	<i>Osmanthus fragrans</i>
Methylpentose	<i>Abutilon theophrasti</i> , <i>A. avicennae</i>
Michelabine	<i>Cocculus diversifolius</i> , <i>C. thunbergii</i> , <i>Michelia alba</i> , <i>M. figo</i>

Component	Source
Michelenolide	<i>Eupatorium formosanum</i>
Miltirone	<i>Salvia miltiorhiza</i>
Mineral elements	<i>Oxyria digyna</i>
Minerals	<i>Artocarpus heterophyllus</i>
Miniatine	<i>Clivia miniata</i>
Minosine	<i>Mimosa invisa</i> , <i>M. pudica</i>
Mitraphylline	<i>Acacia catechu</i>
Molephantin	<i>Elephantopus molis</i>
Monocrotalines	<i>Crotalaria sessiliflora</i>
Monomeric tertiary indol alkaloids	<i>Strychnos nux-vomica</i>
Monoterpane	<i>Achillea alpina</i> , <i>A. millefolium</i> , <i>Anthriscus aemula</i> , <i>A. sylvestris</i> , <i>Heracleum dissectum</i> , <i>H. lanatum</i> , <i>Polygonum bistorta</i> , <i>Sanguisorba officinalis</i> , <i>S. grandiflora</i> , <i>S. parviflora</i> , <i>S. x tenuifolia</i> , <i>Taraxacum officinale</i>
Monotropin	<i>Pyrola decorata</i> , <i>P. japonica</i> , <i>P. incarnata</i> , <i>P. renifolia</i> , <i>P. rotundifolia</i>
Morin	<i>Morus alba</i> , <i>M. constantinopolitana</i> , <i>M. indica</i>
Morindadiol	<i>Morinda citrifolia</i> , <i>M. officinalis</i>
Morindaparvin-A	<i>Morinda parvifolia</i>
Morolic acid	<i>Adina rubella</i> , <i>A. ratemosa</i>
Morphine	<i>Papaver somniferum</i>
Morroniside	<i>Cornus officinalis</i>
Motephtantin	<i>Elephantopus molis</i>
Mucic acid	<i>Phyllanthus emblica</i>
Mucilage	<i>Ailanthus altissima</i> , <i>Ajuga bracteosa</i> , <i>Cymbidium hyacinthinum</i> , <i>C. striatum</i> , <i>Draceana graminifolia</i> , <i>Hyoscyamus bohemicus</i> , <i>Liriope graminifolia</i> , <i>L. platyphylla</i> , <i>L. spicata</i> , <i>Pericamylus formosanus</i> , <i>Polygonatum chinense</i> , <i>P. cirrhifolium</i> , <i>P. macropodium</i> , <i>P. officinale</i> , <i>P. sibiricum</i> , <i>P. stenophyllum</i> , <i>P. odoratum</i> , <i>P. vulgare</i> , <i>Plumbago zeylanica</i> , <i>Tamarindus indicus</i>
Mucronatine	<i>Crotalaria mucronata</i>
Mucronatinine	<i>Crotalaria mucronata</i>
Mucus	<i>Dioscorea cirrhosa</i> , <i>D. hispida</i> , <i>D. japonica</i>

Mukorosside	<i>Sapindus mukorossi</i>
Mulberrin	<i>Morus alba</i> , <i>M. constantinopolitana</i> , <i>M. indica</i>
Mulberrochromene	<i>Morus alba</i> , <i>M. constantinopolitana</i> , <i>M. indica</i>
Multiflorin	<i>Rosa multiflora</i>
Munjistin	<i>Rubia chinensis</i> , <i>R. cordifolia</i> , <i>R. mungista</i> , <i>R. sylvatica</i>
Muramine	<i>Papaver amurense</i> , <i>P. nudicaule</i> , <i>P. radicatum</i>
Muricatin A	<i>Ipomoea cairica</i>
Musaenoide	<i>Melasma arvense</i>
Muscarine	<i>Cannabis chinensis</i> , <i>C. sativa</i>
Muslinic acid	<i>Elaeagnus oldhumii</i>
Mustard oil	<i>Brassica alba</i> , <i>B. juncea</i>
Mutaxanthin	<i>Physalis alkekengi</i>
Myrcene	<i>Artemisia lactiflora</i> , <i>Commiphora myrrha</i> , <i>Daucus carota</i> , <i>Elettaria cardamomum</i> , <i>Juniperus rigida</i> , <i>Ledum palustre</i> , <i>Medicago falcata</i> , <i>M. lupulina</i> , <i>M. polymorpha</i> , <i>M. ruthenica</i> , <i>M. sativa</i> , <i>Oenothera javanica</i> , <i>Poncirus trifoliata</i> , <i>Thymus vulgaris</i> , <i>Valeriana alternifolia</i> , <i>V. amurensis</i> , <i>V. fauriei</i> , <i>V. subbipinnatifolia</i> , <i>Zanthoxylum bungeanum</i>
Myricetin	<i>Cotinus coggygria</i> , <i>Myrica rubra</i> , <i>Rhododendron dauricum</i> , <i>Syzygium cuminii</i> , <i>Thuja koraiensis</i> , <i>T. orientalis</i> , <i>T. chinensis</i>
Myricitrin	<i>Cotinus coggygria</i>
Myricyl	<i>Spilanthes acmella</i>
Myricyl alcohol	<i>Cassia angustifolia</i>
Myriogynine	<i>Centipeda minima</i>
Myristic acid	<i>Blumea balsumifera</i> , <i>Citrullus anguria</i> , <i>C. edulis</i> , <i>C. lanatus</i> , <i>C. vulgaris</i> , <i>Coix agrestis</i> , <i>C. chinensis</i> , <i>C. lachryma</i> , <i>Jatropha gossypifolia</i> , <i>J. curcas</i> , <i>Lindera obtusiloba</i> , <i>Myristica fragrans</i> , <i>Sesamum indicum</i> , <i>Taraxacum mongolicum</i> , <i>T. sinicum</i> , <i>Viscum album</i> , <i>V. coloratum</i>
Myristicin	<i>Myristica fragrans</i>
Myrocin	<i>Brassica alba</i> , <i>B. juncea</i> , <i>Thlaspi arvense</i>
Myrosinase	<i>Cardamine leucantha</i> , <i>C. lyrata</i> , <i>Sinapis alba</i> , <i>Thlaspi arvense</i>
Myrtenol	<i>Valeriana alternifolia</i> , <i>V. amurensis</i> , <i>V. fauriei</i> , <i>V. subbipinnatifolia</i>
N-desmethylchelerythrine	<i>Zanthoxylum nitidum</i>

Component

N,N-dimethyltyptamine
N,N-dimethyltryptamine oxide
n-butyl allophanate
n-butyl-2-ethyl butyl phthalate
n-caprylaldehyde
n-formyl-N-deacetylcolchine
n-hentriacontane
n-hexacosane
n-methyl anthranilic acid
n-methyl-2-(β-OH-propyl) piperidine
n-methyl-isopelletierine
n-methylanthranflamide
n-methylcoclaurine
n-methylisococlaurine
n-methylmorpholine
n-methyltyramine
n-n-dimethyl-5-methoxytryptamine
n-nonyl aldehyde
n-norarmepavine
n-phenylethyl alcohol
Nandazurine
Nandinine
Naphthaquinone
Naphthopyrones
Narcitine
Narcotic alkaloid
Narcotine
Naringenin-4'-O-pyranogluoside
Naringin

Source

Phyllodium pulchellum
Phyllodium pulchellum
Codonopsis pilosula, *C. tangshen*, *C. ussuriensis*
Oenothera javanica
Oplopanax elatus
Iphigenia indica
Aleurites fordii
Jatropha podagrica
Evodia rutaecarpa
Sedum sarmentosum
Sedum sarmentosum
Evodia rutaecarpa
Nelumbium nuciferum, *N. speciosum*
Nelumbium nuciferum, *N. speciosum*
Cassia occidentalis, *C. torosa*
Citrus aurantium
Evodia rutaecarpa
Tagetes erecta
Machilus thunbergii
Rosa rugosa
Nandina domestica
Nandina domestica
Plumbago zeylanica
Cassia nomame, *C. obtusifolia*, *C. tora*
Narcissus tazetta
Pericamylus formosanus
Papaver somniferum
Cynomorium coccineum, *C. songarium*
Citrus reticulata

Nasunin	<i>Solanum lyratum</i> , <i>S. melongena</i>
Naucleoside	<i>Adina rubella</i> , <i>A. ratemosa</i>
Neferine	<i>Nelumbium nelumbo</i>
Negundoside	<i>Vitex nequundo</i>
Neo-allicin	<i>Allium chinense</i> , <i>A. odorum</i> , <i>A. sativum</i> , <i>A. tuberosum</i> , <i>A. uliginosum</i>
Neo-lignans	<i>Magnolia hypoleuca</i> , <i>M. japonica</i> , <i>M. officinalis</i>
Neo-nepetalactone	<i>Actinidia arguta</i> , <i>A. chinensis</i> , <i>A. japonica</i> , <i>A. kolomikta</i> , <i>A. polygama</i>
Neoandrographolide	<i>Andrographis paniculata</i>
Neoanisatin	<i>Illicium lanacedatum</i>
Neoboschnialactone	<i>Cistanche deserticola</i>
Neocarthamin	<i>Carthamus tinctorius</i>
Neochlorogenic acid	<i>Elaeagnus pungens</i> , <i>E. umbellata</i>
Neocnidilide	<i>Ligusticum chuanziang</i>
Neocryptomerin	<i>Podocarpus macrophyllus</i>
Neogitogenin	<i>Anemarrhena asphodeloides</i>
Neoglucobrassicin	<i>Clerodendrum cyrtophyllum</i>
Neohesperidin	<i>Poncirus trifoliata</i>
Neohesperidin	<i>Citrus reticulata</i>
Neolinarin	<i>Lindera akoensis</i>
Neolinderalactone	<i>Lindera strychnifolia</i>
Neomatabiol	<i>Actinidia arguta</i> , <i>A. chinensis</i> , <i>A. japonica</i> , <i>A. kolomikta</i> , <i>A. polygama</i>
Neotigogenin	<i>Smilax china</i> , <i>S. nipponica</i> , <i>S. sieboldii</i> , <i>S. riparia</i>
Neoxanthin	<i>Taraxacum mongolicum</i> , <i>T. sinicum</i>
Nepodin	<i>Rumex acetosa</i> , <i>R. acetosella</i> , <i>R. amurensis</i> , <i>R. aquaticus</i> , <i>R. crispus</i> , <i>R. gmelini</i> , <i>R. japonicus</i> , <i>R. longifolius</i> , <i>R. maritimus</i> , <i>R. marschallianus</i> , <i>R. stenophyllus</i> , <i>R. thyrsoiflorus</i>
Nerinine	<i>Zephyranthes candida</i>
Nerioderin	<i>Nerum indicum</i>
Neriodin	<i>Nerum indicum</i>
Neriodorin	<i>Nerum indicum</i>
Nerol	<i>Cymbopogon citratus</i> , <i>Osmanthus fragrans</i> , <i>Rosa rugosa</i>

Component	Source
Nerolidiol	<i>Melaleuca leucadendra</i>
Nerolidol	<i>Anomum cardamomum</i> , <i>A. globosum</i> , <i>A. tsao-ko</i> , <i>A. villosum</i> , <i>A. xanthloides</i> , <i>Hedyotis corymbosa</i>
Nervisterol	<i>Nervilia purpurea</i>
Nevadersin	<i>Lysionotus pauciflorus</i>
Niacin	<i>Achyranthes asperia</i> , <i>Amaranthus tricolor</i> , <i>Arachis hypogaea</i> , <i>Benincase cerifera</i> , <i>B. hispida</i> , <i>Boehmeria densiflora</i> , <i>Canarium album</i> , <i>C. sinense</i> , <i>Castanea crenata</i> , <i>C. mollissima</i> , <i>Corylus heterophylla</i> , <i>C. mandshurica</i> , <i>Glycine max</i> , <i>G. soja</i> , <i>Hibiscus rosa-sinensis</i> , <i>H. rhombifolius</i> , <i>Petasites japonicus</i> , <i>Syzygium aromaticum</i> , <i>Zea mays</i>
Nicotelline	<i>Nicotiana tabacum</i>
Nicotimine	<i>Nicotiana tabacum</i>
Nicotine	<i>Eclipta alba</i> , <i>E. marginata</i> , <i>E. prostrata</i> , <i>E. thermalis</i> , <i>E. erecta</i> , <i>Lycopodium clavatum</i> , <i>L. obscurum</i> , <i>L. selago</i> , <i>L. serratum</i> , <i>Nicotiana tabacum</i>
Nicotinic acid	<i>Angelica polymorpha</i> , <i>A. sinensis</i> , <i>Celosia argentea</i> , <i>C. cristata</i> , <i>Lycium barbarum</i> , <i>L. megistocarpum</i> , <i>L. ovatum</i> , <i>L. trewianum</i> , <i>L. turbinatum</i> , <i>Lycoperiscon esculentum</i> , <i>Solanum nigrum</i>
Nigakihemiacetal A	<i>Picrasma quassioides</i>
Nigakilactone A	<i>Picrasma quassioides</i>
Nigakinone	<i>Picrasma quassioides</i>
Nilgirine	<i>Crotalaria mucronata</i> , <i>Desmodium pulehellum</i>
Nimbin	<i>Melia japonica</i> , <i>M. toosendan</i> , <i>M. azedarach</i>
Nimbolins	<i>Melia japonica</i> , <i>M. toosendan</i> , <i>M. azedarach</i>
Niranthin	<i>Phyllanthus urinaria</i> , <i>P. niruri</i> , <i>P. reticulatus</i>
Nirtetralin	<i>Phyllanthus urinaria</i> , <i>P. niruri</i> , <i>P. reticulatus</i>
Nishindaside	<i>Vitex nequundo</i>
Nishindine	<i>Vitex nequundo</i>
Nitidine	<i>Zanthoxylum nitidum</i>
Nitroacronycine	<i>Acronychia pedunculata</i> , <i>A. laurifolia</i>
Nitryl-glycoside	<i>Aquilegia vulgaris</i>
Nobiletin	<i>Citrus reticulata</i>
Nocoteine	<i>Nicotiana tabacum</i>

Nodakenetin	<i>Angelica decursiva, Peucedanum japonicum, P. praeruptorum, P. rubricaula</i>
Nodakenin	<i>Angelica decursiva, Peucedanum japonicum, P. praeruptorum, P. rubricaula</i>
Nonacosan-10-ol	<i>Dicranopteris linearis</i>
Nonacosan-10-one	<i>Dicranopteris linearis</i>
Nonacosane	<i>Dicranopteris linearis, Prunus padus, Rosa rugosa</i>
Nonalactone	<i>Prunus persica</i>
Nonanal	<i>Coriandrum sativum</i>
Nonyl aldehyde	<i>Rosa rugosa, Zingiber officinale</i>
Nonylic aldehyde	<i>Cinnamomum zeglanicum</i>
nor-rubrofusarin	<i>Cassia nomame, C. obtusifolia, C. tora</i>
Nordamnacanthal	<i>Morinda citrifolia, M. officinalis</i>
Nordracorubin	<i>Draceana graminifolia</i>
Norepinephrine	<i>Musa paradisiaca, Portulaca oleracea</i>
Noreugenin	<i>Adina rubella, A. ratemosa</i>
Noricariin	<i>Epimedium brevicorum, E. koreanum, E. macranthum</i>
Norkurarinone	<i>Sophora flavescens, S. alopecurosides</i>
Normenisarine	<i>Cocculus laurifolius, C. sarmentosus, C. trilobus</i>
Norpseudoephedrine	<i>Ephedra distachya, E. equisetina, E. intermedia, E. monosperma, E. sinica</i>
Norsecurinine	<i>Securinega viro</i>
Nortracheloside	<i>Trachelospermum jasminoides</i>
Nothosmyrnol	<i>Ligusticum jeholense, L. pyrenacum, L. sinense, L. tenuissimum, Nothosmyrniun japonicum</i>
Notoptero	<i>Notopterygium incisium</i>
Novacine	<i>Strychnos pierriana</i>
Nuciferine	<i>Nelumbium nuciferum, N. speciosum, Papaver amurense, P. nudicaule, P. radicum</i>
Nudicaulin	<i>Papaver amurense, P. nudicaule, P. radicum</i>
Nupharamine	<i>Nuphar japonicum, N. pumilum</i>
Nuzhenide	<i>Ligustrum lucidum, L. japonicum</i>
o-acetylcolumbianetin	<i>Cnidium monnieri</i>
o-cumaric acid	<i>Eupatorium chinense, E. lindleyanum, E. japonicum</i>
o-isovaleryl columbianetin	<i>Cnidium monnieri</i>

Component	Source
o-nornuciferine	<i>Nelumbium nuciferum</i> , <i>N. speciosum</i>
Obacunone	<i>Phellodendron amurense</i> , <i>P. chinensis</i>
Obakinone	<i>Dictamnus albus</i> , <i>D. dasycarpus</i>
Obtusifolin	<i>Cassia nomame</i> , <i>C. obtusifolia</i> , <i>C. tora</i>
Obtusin	<i>Cassia nomame</i> , <i>C. obtusifolia</i> , <i>C. tora</i>
Ocimene	<i>Tagetes patula</i>
Octacosane	<i>Ficus carica</i>
Octacosanol	<i>Firmiana simplex</i>
Octadecatetraenoic acid	<i>Stellaria media</i>
Octalactone	<i>Prunus persica</i>
Octanol	<i>Agastache rugosa</i> , <i>A. rugosa</i> f. <i>hypoleuca</i>
Octopinic acid	<i>Parthenocissus tricuspidata</i>
Odine	<i>Sargassum pallidum</i>
Odoratin	<i>Eupatorium odoratum</i>
Okinalin	<i>Pulsatilla ambigua</i> , <i>P. cernua</i> , <i>P. chinensis</i>
Okinalin	<i>Pulsatilla ambigua</i> , <i>P. cernua</i> , <i>P. chinensis</i>
Oldenlandoside	<i>Oldenlandia diffusa</i>
Olealonic acid	<i>Cyperus rotundus</i>
Oleandrin	<i>Nerium indicum</i>
Oleandrose	<i>Nerium indicum</i>
Oleanene derivatives	<i>Asparagus cochinchinensis</i>
Oleanolic acid	<i>Achyranthes japonica</i> , <i>Anemone raddeana</i> , <i>A. rivularis</i> , <i>A. vitifolia</i> , <i>Aralia chinensis</i> , <i>A. cordata</i> , <i>A. elata</i> , <i>Aristolochia contorta</i> , <i>A. kaempferi</i> , <i>A. longa</i> , <i>A. recurvilabra</i> , <i>Calendula officinalis</i> , <i>Clematis intriicata</i> , <i>C. mandshurica</i> , <i>Codonopsis lanceolata</i> , <i>Eugenia aromatica</i> , <i>E. caryophyllata</i> , <i>E. ulmoides</i> , <i>Ligustrum lucidum</i> , <i>L. japonicum</i> , <i>Melaleuca leucadendra</i> , <i>Oldenlandia chrysotricha</i> , <i>O. corymbosa</i> , <i>Panax ginseng</i> , <i>Prunella vulgaris</i> , <i>Swertia diluta</i> , <i>S. mileensis</i> , <i>Viscum album</i> , <i>V. coloratum</i>
Oleic acid	<i>Aleurites fordii</i> , <i>Angelica grosserrata</i> , <i>Aquilegia vulgaris</i> , <i>Ajuga bracteosa</i> , <i>Brucea javanica</i> , <i>B. sumatrana</i> , <i>Cardamine leucantha</i> , <i>C. lyrata</i> , <i>Citrullus anguria</i> , <i>C. edulis</i> , <i>C. lanatus</i> , <i>C. vulgaris</i> , <i>Coix agrestis</i> , <i>C. chinensis</i> , <i>C. lachryma</i> , <i>Corchorus capsularis</i> , <i>C. olitorius</i> , <i>Cucumis sativus</i> , <i>Elettaria cardamomum</i> , <i>Hedera rhombea</i> , <i>H. helix</i> , <i>Jatropha gossypifolia</i> , <i>J. curcas</i> , <i>Lindera obtusiloba</i> , <i>Myristica fragrans</i> , <i>Nuphar japonicum</i> , <i>N. pumilum</i> , <i>Tamarindus indicus</i>

Olein	<i>Ricinus communis</i>
Olein acid	<i>Sesamum indicum</i>
Oleoresin	<i>Dryopteris laeta</i> , <i>D. filix-mas</i>
Oligosaccharides	<i>Aesculus chinensis</i> , <i>A. hippocastanum</i> , <i>Typha angustata</i> , <i>T. angustifolia</i> , <i>T. davidiana</i> , <i>T. latifolia</i> , <i>T. minima</i> , <i>T. orientalis</i> , <i>T. przeqalskii</i>
Olitoriside	<i>Corchorus olitorius</i>
Onjisaponin A	<i>Polygala tenuifolia</i>
Onjisaponin B	<i>Polygala tenuifolia</i>
Ononitol	<i>Medicago falcata</i> , <i>M. lupulina</i> , <i>M. polymorpha</i> , <i>M. ruthenica</i> , <i>M. sativa</i>
Ophelic acid	<i>Centaurium meyeri</i>
Ophiopogenins	<i>Ophiopogon japonicus</i>
Oplopanaxosides	<i>Oplopanax elatus</i>
Organic acids	<i>Ganoderma lucidum</i> , <i>Ledebouriella divaricata</i> , <i>Lysionotus pauciflorus</i> , <i>Polygonum perfoliatum</i> , <i>P. tinctorium</i> , <i>Ribes mandshurica</i> , <i>Sansevieria trifasciata</i> , <i>Trichosanthes kirilowii</i> , <i>T. uniflora</i>
Oridonin	<i>Rabdosia lasiocarpus</i> , <i>R. rubescens</i>
Orientin	<i>Fagopyrum esculentum</i> , <i>F. sagittatum</i> , <i>Linum stelleroides</i> , <i>L. usitatissimum</i> , <i>Lythrum salicaria</i> , <i>Persicaria</i> <i>orientalis</i> , <i>Polygonum orientale</i> , <i>Vitex nequundo</i> , <i>V. rotundifolia</i> , <i>V. trifolia</i>
Orientin-7-O-glucoside	<i>Uraria crinita</i> , <i>U. lagopodiodes</i>
Orientoside	<i>Persicaria orientalis</i>
Orthomethylcoumaric aldehyde	<i>Cinnamomum aromaticum</i> , <i>C. cassia</i>
Osalic acid	<i>Plumbago zeylanica</i>
Osmane	<i>Osmanthus fragrans</i>
Osthenol-7-O-β-gentiobioside	<i>Glehnia littoralis</i>
Osthol	<i>Angelica pubescens</i> , <i>Murraya paniculata</i>
Oxalate	<i>Oxalis corriculaza</i> , <i>O. corymbosa</i>
Oxalic acids	<i>Achillea alpina</i> , <i>A. millefolium</i> , <i>Anthriscus aemula</i> , <i>A. sylvestris</i> , <i>Coriandrum sativum</i> , <i>Heracleum dissectum</i> , <i>H. lanatum</i> , <i>Juncus effusus</i> , <i>Lactuca raddeana</i> , <i>L. indica</i> , <i>L. sativa</i> , <i>Polygonum bistorta</i> , <i>Sanguisorba</i> <i>officinalis</i> , <i>S. grandiflora</i> , <i>S. parviflora</i> , <i>S. x tenuifolia</i> , <i>Taraxacum officinale</i> , <i>Vitis amurensis</i> , <i>V. vinifera</i>
Oxoushinsunine	<i>Michelia alba</i> , <i>M. figo</i>

Component	Source
Oxycanthine	<i>Berberis amurensis</i> , <i>B. poiretii</i> , <i>B. sibirica</i> , <i>B. soulieana</i> , <i>Thalictrum aquilegifolium</i> , <i>T. baicalense</i> , <i>T. fauriei</i> , <i>T. petaloideum</i> , <i>T. simplex</i> , <i>T. squarrosum</i> , <i>T. thunbergii</i>
Oxychelerythrine	<i>Zanthoxylum nitidum</i>
Oxylysin	<i>Avena fatua</i>
Oxymatrine	<i>Sophora subprostrata</i>
Oxymethyl anthraquinone	<i>Cassia alata</i> , <i>C. siamea</i>
Oxynitidine	<i>Zanthoxylum niti</i>
Oxypaeoniflorin	<i>Paeonia albiflora</i> , <i>P. edulis</i> , <i>P. japonica</i> , <i>P. lactiflora</i> , <i>P. moutan</i> , <i>P. officinalis</i>
Oxypeucedanin	<i>Angelica amurensis</i> , <i>A. anomala</i> , <i>A. dahurica</i>
Oxypurpurein	<i>Thalictrum aquilegifolium</i> , <i>T. baicalense</i> , <i>T. fauriei</i> , <i>T. petaloideum</i> , <i>T. simplex</i> , <i>T. squarrosum</i> , <i>T. thunbergii</i>
Oxyristic acid	<i>Phytolacca acinosa</i> , <i>P. americana</i> , <i>P. japonica</i> , <i>P. kaempferi</i> , <i>P. octandra</i> , <i>P. pekinensis</i>
Oxysanguinarin	<i>Macleaya cordata</i>
p-coumaric acid	<i>Impatiens balsamina</i> , <i>I. noli-tangere</i> , <i>I. textori</i> , <i>Matteuccia struthiopteris</i> , <i>Plumbago zeylanica</i>
p-cymene	<i>Chenopodium ambrosioides</i> , <i>Cinnamomum zeglanicum</i> , <i>Daucus carota</i> , <i>Elettaria cardamomum</i> , <i>Glechoma hederacea</i> , <i>G. longituba</i> , <i>Juniperus rigida</i> , <i>Thymus amurensis</i> , <i>T. disjunctus</i> , <i>T. kitagawianus</i> , <i>T. komarovii</i> , <i>T. przewalskii</i> , <i>T. quinquecostatus</i> , <i>T. vulgaris</i>
p-hydroxyacetophenone	<i>Senecio cannabifolius</i>
p-hydroxybenzoic	<i>Matteuccia struthiopteris</i>
p-hydroxybenzoic acid	<i>Rhododendron mucronatum</i>
p-lumicolchicine	<i>Iphigenia indica</i>
P-methoxybenzylacetone	<i>Aquilegia buergeriana</i> , <i>A. parviflora</i>
p-methoxycinnamaldehyde	<i>Agastache rugosa</i> , <i>A. rugosa</i> f. <i>hypoleuca</i>
p-methoxycinnamic acid	<i>Scrophularia buergeriana</i> , <i>S. kakudensis</i> , <i>S. ningpoensis</i> , <i>S. oldhami</i> , <i>S. puergeriana</i>
p-terpinene	<i>Thymus amurensis</i> , <i>T. disjunctus</i> , <i>T. kitagawianus</i> , <i>T. komarovii</i> , <i>T. przewalskii</i> , <i>T. quinquecostatus</i>
p-tyrosol	<i>Rhodiola elongata</i>
p-vinylguaiaicol	<i>Hedyotis diffusa</i>
p-vinylphenol	<i>Hedyotis diffusa</i>
Pachymarose	<i>Poria cocos</i>
Pachymic acid	<i>Poria cocos</i>

Paeonidin	<i>Rosa rugosa</i>
Paeoniflorin	<i>Paeonia albiflora</i> , <i>P. edulis</i> , <i>P. japonica</i> , <i>P. lactiflora</i> , <i>P. moutan</i> , <i>P. officinalis</i>
Paeonin	<i>Cynanchum paniculatum</i> , <i>Paeonia obovata</i> , <i>P. suffruticosa</i> , <i>P. veitchii</i> , <i>Viburnum sargentii</i>
Paeonol	<i>Cynanchum paniculatum</i> , <i>Paeonia obovata</i> , <i>P. suffruticosa</i> , <i>P. veitchii</i>
Paeonoside	<i>Paeonia obovata</i> , <i>P. suffruticosa</i> , <i>P. veitchii</i>
Palamatine	<i>Berberis amurensis</i> , <i>B. poiretii</i> , <i>B. sibirica</i> , <i>B. soulieana</i>
Palderoside	<i>Oldenlandia diffusa</i>
Pallidine	<i>Corydalis incisa</i> , <i>C. bungeana</i>
Palmaline	<i>Coptis chinensis</i> , <i>C. japonica</i> , <i>C. teeta</i>
Palmatine	<i>Calystegia hederacea</i> , <i>C. japonica</i> , <i>Fibraurea recisa</i> , <i>Phellodendron amurense</i> , <i>P. chinensis</i> , <i>Thalictrum aquilegifolium</i> , <i>T. baicalense</i> , <i>T. fauriel</i> , <i>T. glandulissimum</i> , <i>T. ichangense</i> , <i>T. petaloideum</i> , <i>T. simplex</i> , <i>T. squarrosum</i> , <i>T. thunbergii</i>
Palmitic acid	<i>Acanthopanax gracilistylus</i> , <i>A. spinosum</i> , <i>Aquilegia vulgaris</i> , <i>Ajuga bracteosa</i> , <i>Aleurites fordii</i> , <i>Angelica grosserrata</i> , <i>Benincasa cerifera</i> , <i>B. hispida</i> , <i>Blumea balsumifera</i> , <i>Cibotium barometz</i> , <i>Citrullus anguria</i> , <i>C. edulis</i> , <i>C. lanatus</i> , <i>C. vulgaris</i> , <i>Coix agrestis</i> , <i>C. chinensis</i> , <i>C. lachryma</i> , <i>Corchorus capsularis</i> , <i>C. olitorius</i> , <i>Cucumis sativus</i> , <i>Cynomorium coccineum</i> , <i>C. songarium</i> , <i>Elettaria cardamomum</i> , <i>Jatropha gossypifolia</i> , <i>J. curcas</i> , <i>Matteuccia struthiopteris</i> , <i>Melia japonica</i> , <i>M. toosendan</i> , <i>M. azedarach</i> , <i>Nuphar japonicum</i> , <i>N. pumilum</i> , <i>Sepium sebiferum</i> , <i>S. discolor</i> , <i>Sesamum indicum</i> , <i>Sonchus arvensis</i> , <i>S. oleraceus</i> , <i>Tamarindus indicus</i> , <i>Taraxacum mongolicum</i> , <i>T. sinicum</i>
Palmitine	<i>Thalictrum foetidum</i>
Palustrine	<i>Equisetum arvense</i> , <i>E. hyemale</i> , <i>E. ramosissimum</i>
Panaxadiol	<i>Gynostemma pentaphyllum</i> , <i>Panax notoginseng</i> , <i>P. zingiberensis</i>
Panaxynol	<i>Panax ginseng</i>
Paniculatincoumurrayin	<i>Murraya paniculata</i>
Pantothenic acid	<i>Glycine max</i> , <i>G. soja</i>
Papain	<i>Ficus carica</i>
Papaverine	<i>Papaver somniferum</i>
Paraaspidin	<i>Dryopteris laeta</i> , <i>D. filix-mas</i>
Parasorbic acid	<i>Sorbus alnifolia</i> , <i>S. amurensis</i> , <i>S. pohuashanensis</i>
Parietin	<i>Polygonum multiflorum</i> , <i>P. chinensis</i>

Component	Source
Parthenolide	<i>Eupatorium formosanum</i>
Patchoulenone	<i>Cyperus rotundus</i>
Patrinoside	<i>Patrina scabiosaefolia</i>
Patuletin	<i>Tagetes patula</i>
Patulitrin	<i>Tagetes patula</i>
Pectic acid	<i>Centella asiatica</i>
Pectic compound	<i>Lactuca raddeana, L. indica, L. sativa</i>
Pectins	<i>Ajuga bracteosa, Myristica fragrans, Plumeria rubra, Taraxacum formosanum, T. indicus</i>
Pectolinarigenin	<i>Lindera akoensis</i>
Pectolinarin	<i>Cirsium chinense, C. japonicum, Lindera akoensis</i>
Peganine	<i>Lindera akoensis</i>
Peimidine	<i>Fritillaria anheunensis, F. collicola, F. maximowiczii, F. roylei, F. thunbergii, F. ussuriensis, F. verticillata</i>
Peimilidine	<i>Fritillaria anheunensis, F. collicola, F. maximowiczii, F. roylei, F. thunbergii, F. ussuriensis, F. verticillata</i>
Peimine	<i>Fritillaria anheunensis, F. collicola, F. maximowiczii, F. roylei, F. thunbergii, F. ussuriensis, F. verticillata</i>
Peiminine	<i>Fritillaria anheunensis, F. collicola, F. maximowiczii, F. roylei, F. thunbergii, F. ussuriensis, F. verticillata</i>
Peimisine	<i>Fritillaria anheunensis, F. collicola, F. maximowiczii, F. roylei, F. thunbergii, F. ussuriensis, F. verticillata</i>
Peiniphine	<i>Fritillaria anheunensis, F. collicola, F. maximowiczii, F. roylei, F. thunbergii, F. ussuriensis, F. verticillata</i>
Pelargonidin-3-rhamnosylglucoside	<i>Chloranthus glubra, C. oldhnami</i>
Pelargonin	<i>Paeonia obovata, P. suffruticosa, P. veitchii</i>
Pelletierine	<i>Punica granatum</i>
Peltatin	<i>Dysosma pleiantha</i>
Pencordin	<i>Peucedanum japonicum, P. praeruptorum, P. rubricaula</i>
Penta-o-galloyl- β -d-glucose	<i>Chamaenerion angustifolium</i>
Pentanoic acid	<i>Prunus persica</i>
Pentosan	<i>Quercus acutissima, Q. aliena, Q. dentata, Q. liaotungensis, Q. mongolica, Q. variabilis, Sesamum indicum, Sesbinia javanica</i>
Pentosane	<i>Abutilon theophrasti, A. avicennae, Fortunella crassifolia, F. japonica, F. margarita</i>
Pentose	<i>Abutilon theophrasti, A. avicennae</i>
Pepsin	<i>Ficus carica</i>

Peptides	<i>Lycium chinense</i>
Perak sine	<i>Rauwolfia verticillata</i>
Pergularin	<i>Adonis chrysoyathus, A. brevistyla, A. vernalis</i>
Pericalline	<i>Catharanthus roseus</i>
Perillaldehyde	<i>Perilla frutescens, P. ocymoides, P. polystachya, P. arguta</i>
Peripalloside	<i>Antiaris toxicaris</i>
Periplocin	<i>Periploca sepium</i>
Perividine	<i>Catharanthus roseus</i>
Perivine	<i>Catharanthus roseus</i>
Perlolyrine	<i>Ligusticum chuanziang</i>
Persicarin	<i>Oenothera javanica, Persicaria hydropiper, Polygonum hydropiper</i>
Peruvosides	<i>Thevetia peruviana</i>
Petroselenic acid	<i>Glehnia littoralis</i>
Petroselic acid	<i>Cryptotaenia japonica, C. canadensis</i>
Petroselinic acid	<i>Glehnia littoralis</i>
Petunidin	<i>Daucus carota, Oenothera javanica</i>
Petunidin glucoside	<i>Medicago falcata, M. lupulina, M. polymorpha, M. ruthenica, M. sativa</i>
Peuformosin	<i>Syzygium cuminii</i>
Phantomolin	<i>Peucedanum formosanum</i>
Pharbilic acid	<i>Elephantopus mollis</i>
Phasin	<i>Pharbitis diversifolia, P. hederacea, P. nil, P. triloba</i>
Phasine	<i>Euphorbia esula, E. helioscopia</i>
Phellandrene	<i>Euphorbia esula, E. helioscopia</i>
	<i>Aucklandia costus, A. lappa, Cinnamomum aromaticum, C. cassia, Coriandrum sativum, Saussurea japonica, S. lappa, Valeriana alternifolia, V. amurensis, V. fauriei, V. subbipinnatifolia, Xanthoxylum piperitum, Zanthoxylum schinifolium, Zingiber officinale</i>
Phellandrine	<i>Cunninghamia lanceolata</i>
Phellodendrine	<i>Phellodendron amurense, P. chinensis</i>
Phellopterin	<i>Angelica amurensis, A. anomala, A. dahurica</i>
Phenanthrene-1,4-quinone	<i>Sphenomeris chusana</i>

Component	Source
Phene	<i>Saussurea japonica</i> , <i>S. lappa</i>
Phenethylamine	<i>Cornus alba</i> , <i>C. kousa</i> , <i>C. macrophylla</i>
Phenolic acid	<i>Ranunculus ternatus</i> , <i>Rhododendron mucronatum</i>
Phenolic compounds	<i>Leucaena leucocephala</i>
Phenolic derivatives	<i>Vitex nequundo</i>
Phenols	<i>Cypripedium guttatum</i> , <i>C. macranthum</i> , <i>C. pubescens</i> , <i>Hedychium coronarium</i> , <i>Laggera alata</i> , <i>Nepenthes raffsiana</i> , <i>Urena procumbens</i>
Phenyl ethyl alcohol pentosans	<i>Eriobotrya japonica</i>
Phenylacetic acid	<i>Rosa rugosa</i>
Phenylalanine	<i>Oryza sativa</i>
Phenylethyl alcohol	<i>Plumeria rubra</i>
Phenylpropyl alcohol	<i>Cinnamomum aromaticum</i> , <i>C. cassia</i>
Phenylheptatriyne	<i>Bidens pilosa</i>
Phetidine	<i>Thalictrum aquilegifolium</i> , <i>T. baicalense</i> , <i>T. fauriel</i> , <i>T. petaloideum</i> , <i>T. simplex</i> , <i>T. squarrosum</i> , <i>T. thunbergii</i>
Phillyrin	<i>Forsythia suspensa</i> , <i>Syringa dilatata</i> , <i>S. oblata</i> , <i>S. reticulata</i> , <i>S. suspensa</i> , <i>S. vulgaris</i>
Phlobaphene	<i>Ulmus campestris</i> , <i>U. macrocarpa</i> , <i>U. pumila</i>
Phorbol	<i>Croton cascarilloides</i> , <i>C. tiglium</i>
Phosphatase	<i>Sinapis alba</i>
Phosphates	<i>Portulaca pilosa</i>
Phosphatides	<i>Fagopyrum esculentum</i> , <i>F. sagittatum</i>
Phosphatidyl-ethanolamine	<i>Tetragonia tetragonoides</i>
Phosphatidyl-inositol	<i>Tetragonia tetragonoides</i>
Phosphatidyl-serine	<i>Tetragonia tetragonoides</i>
Phosphatidylcholine	<i>Tetragonia tetragonoides</i>
Phthalide	<i>Ligusticum chuangxiong</i>
Phyllanthin	<i>Phyllanthus urinaria</i> , <i>P. niruri</i> , <i>P. reticulatus</i>
Phyllanthine	<i>Phyllanthus urinaria</i> , <i>P. niruri</i> , <i>P. reticulatus</i>
Phyllantidine	<i>Phyllanthus urinaria</i> , <i>P. niruri</i> , <i>P. reticulatus</i> , <i>Securinega suffruticosa</i>
Phylteralin	<i>Phyllanthus urinaria</i> , <i>P. niruri</i> , <i>P. reticulatus</i>

Physalein	<i>Lycium barbarum</i> , <i>L. megistocarpum</i> , <i>L. ovatum</i> , <i>L. trewianum</i> , <i>L. turbinatum</i> , <i>Physalis alkekengi</i>
Physalin A	<i>Physalis alkekengi</i>
Physalin B	<i>Physalis alkekengi</i>
Physalin C	<i>Physalis alkekengi</i>
Physanols	<i>Physalis alkekengi</i>
Physcim-1-gluco-rhamnoside	<i>Phyllodium pulchellum</i>
Physson	<i>Cassia nomame</i> , <i>C. obtusifolia</i> , <i>C. tora</i> , <i>Rheum officinale</i> , <i>R. palmatum</i> , <i>R. tanguticum</i> , <i>R. undulatum</i> , <i>R. koreanum</i> , <i>Rumex acetosa</i> , <i>R. acetosella</i> , <i>R. amurensis</i> , <i>R. aquaticus</i> , <i>R. gmelini</i> , <i>R. longifolius</i> , <i>R. maritimus</i> , <i>R. marschallianus</i> , <i>R. patientia</i> , <i>R. stenophyllus</i> , <i>R. thyrsoiflorus</i>
Physoxanthin	<i>Physalis alkekengi</i>
Phytic acid	<i>Dioscorea batatas</i>
Phytin	<i>Sesamum indicum</i>
Phytoestrogens	<i>Trifolium pratense</i> , <i>T. repens</i>
Phytofluere	<i>Daucus carota</i>
Phytolaccatoxin	<i>Phytolacca acinosa</i> , <i>P. americana</i> , <i>P. japonica</i> , <i>P. kaempferi</i> , <i>P. octandra</i> , <i>P. pekinensis</i>
Phytolacine	<i>Phytolacca acinosa</i> , <i>P. americana</i> , <i>P. japonica</i> , <i>P. kaempferi</i> , <i>P. octandra</i> , <i>P. pekinensis</i>
Phytosterindigitonid	<i>Hoya carnosia</i>
Phytosterines	<i>Achillea alpina</i> , <i>A. millefolium</i> , <i>Anthriscus aemula</i> , <i>A. sylvestris</i> , <i>Heracleum dissectum</i> , <i>H. lanatum</i> , <i>Lindera</i> <i>akoensis</i> , <i>Polygonum bistorta</i> , <i>Sanguisorba grandiflora</i> , <i>S. officinalis</i> , <i>S. parviflora</i> , <i>S. x tenuifolia</i> , <i>Taraxacum officinale</i>
Phytosterol	<i>Aleurites fordii</i> , <i>Carum carvi</i> , <i>Duchesnea indica</i> , <i>Elettaria cardamomum</i> , <i>Gnaphalium affine</i> , <i>G. arenarium</i> , <i>G. confusum</i> , <i>G. javanum</i> , <i>G. luteo-album</i> , <i>G. multiceps</i> , <i>G. ramigerum</i> , <i>G. tranzschelii</i> , <i>G. uliginosum</i> , <i>Panax quinquefolium</i> , <i>Syzygium aromaticum</i> , <i>Ulmus campestris</i> , <i>U. macrocarpa</i> , <i>U. pumila</i>
Phytotoxin	<i>Jatropha gossypifolia</i> , <i>J. curcas</i>
Picalinal	<i>Alstonia scholaris</i>
Picrasmin	<i>Picrasma quassioides</i>
Picrinine	<i>Alstonia scholaris</i>
Picrorhizin	<i>Picrorhiza kurroa</i>
Pienen acid	<i>Vitex nequundo</i>
Pimaradene	<i>Aralia chinensis</i> , <i>A. cordata</i> , <i>A. elata</i>

Component	Source
Pinene	<i>Alpinia officinarum</i> , <i>Artemisia brachyloba</i> , <i>Cinnamomum camphora</i> , <i>C. zeglanicum</i> , <i>Cunninghamia lanceolata</i> , <i>Cyperus rotundus</i> , <i>Elettaria cardamomum</i> , <i>Elsholtzia argyi</i> , <i>E. cristata</i> , <i>E. splendens</i> , <i>E. feddei</i> , <i>E. souliei</i> , <i>Luffa aegyptiaca</i> , <i>L. cylindrica</i> , <i>L. faetida</i> , <i>L. petola</i> , <i>Melaleuca leucadendra</i> , <i>Myristica fragrans</i> , <i>Piper cubeba</i> , <i>Podocarpus macrophyllus</i> , <i>Thuja koraiensis</i> , <i>T. orientalis</i> , <i>T. chinensis</i> , <i>T. vulgaris</i> , <i>Valeriana alternifolia</i> , <i>V. amurensis</i> , <i>V. fauriei</i> , <i>V. subbipinnatifolia</i> , <i>Vitex trifolia</i> , <i>V. rotundifolia</i>
Pinicolic acid	<i>Poria cocos</i>
Pinipicrin	<i>Biota chinensis</i> , <i>B. orientalis</i>
Pinitol	<i>Lespedeza cuneata</i> , <i>Pinus bungeana</i> , <i>P. densiflora</i> , <i>P. koraiensis</i> , <i>P. sylvestris</i> , <i>P. tabulaeformis</i>
Pinnatin	<i>Pongamia pinnata</i>
Pinocarveol	<i>Cinnamomum camphora</i>
Pinoresinol-di-β-D-glycoside	<i>Eucommia ulmoides</i>
Piperamine	<i>Piper nigrum</i>
Piperine	<i>Piper longum</i> , <i>P. nigrum</i>
Piperitone	<i>Cymbopogon distans</i> , <i>C. goeringii</i> , <i>C. nardus</i> , <i>Zanthoxylum bungeanum</i>
Piperonal	<i>Piper nigrum</i>
Plantagin	<i>Plantago asiatica</i> , <i>P. depressa</i> , <i>P. exaltata</i> , <i>P. loureiri</i> , <i>P. major</i>
Plantasan	<i>Plantago asiatica</i> , <i>P. depressa</i> , <i>P. exaltata</i> , <i>P. loureiri</i> , <i>P. major</i>
Plantenolic acid	<i>Plantago asiatica</i> , <i>P. depressa</i> , <i>P. exaltata</i> , <i>P. loureiri</i> , <i>P. major</i>
Plastoquinone	<i>Persicaria orientalis</i>
Plastoquinone-9	<i>Polygonum orientale</i>
Platycodigenic acids	<i>Platycodon autumnalis</i> , <i>P. grandiflorum</i> , <i>P. sinensis</i>
Platycodigenin	<i>Campanula gentianoides</i> , <i>C. grandiflora</i> , <i>Platycodon autumnalis</i> , <i>P. grandiflorum</i> , <i>P. sinensis</i>
Platycodonin	<i>Platycodon autumnalis</i> , <i>P. grandiflorum</i> , <i>P. sinensis</i>
Platycodosides	<i>Platycodon autumnalis</i> , <i>P. grandiflorum</i> , <i>P. sinensis</i>
Platyconin	<i>Platycodon autumnalis</i> , <i>P. grandiflorum</i> , <i>P. sinensis</i>
Plumbagin	<i>Plumbago zeylanica</i>
Plumieric acid	<i>Plumeria rubra</i>
Plumieride	<i>Plumeria rubra</i>
Podocarpene	<i>Podocarpus macrophyllus</i>

Podocarpusflavones	<i>Podocarpus macrophyllus</i>
Podophyllotoxin	<i>Dysosma pleiantha</i> , <i>Podophyllum peltatum</i> , <i>P. pleianthum</i>
Podototarlin	<i>Podocarpus macrophyllus</i>
Polyacetylene	<i>Bidens pilosa</i> , <i>Carum carvi</i> , <i>Glehnia hitoralis</i> , <i>Ligusticum jeholense</i> , <i>L. pyrenacum</i> , <i>L. sinense</i> , <i>L. tenuissimum</i>
Polydatin	<i>Polygonum cuspidatum</i>
Polygalacic acid	<i>Platycodon autumnalis</i> , <i>P. grandiflorum</i> , <i>P. sinensis</i> , <i>Solidago dahurica</i> , <i>S. pacifica</i> , <i>S. virgaurea</i>
Polygodiol	<i>Persicaria hydropiper</i>
Polygonin	<i>Polygonum cuspidatum</i>
Polygonone	<i>Persicaria hydropiper</i>
Polyine	<i>Glehnia littoralis</i>
Polyphenols	<i>Hippophae rhamnoides</i> , <i>Thea assamica</i>
Polysaccharides	<i>Acanthopanax giraldii</i> , <i>Achyranthes bidentata</i> , <i>Alisma orientalis</i> , <i>Allium chinense</i> , <i>A. odorum</i> , <i>A. sativum</i> , <i>A. tuberosum</i> , <i>A. uliginosum</i> , <i>Angelica polymorpha</i> , <i>A. sinensis</i> , <i>Astragalus complanatus</i> , <i>A. henryi</i> , <i>A. hoantchy</i> , <i>A. membranaceus</i> , <i>A. melilotoides</i> , <i>A. mongholicus</i> , <i>A. reflexistipulus</i> , <i>A. sinensis</i> , <i>Coriolum</i> <i>versicolor</i> , <i>Epimedium brevicorum</i> , <i>E. koreanum</i> , <i>E. macranthum</i> , <i>Ganoderma lucidum</i> , <i>Glehnia</i> <i>littoralis</i> , <i>Lycium chinense</i> , <i>Ophiopogon japonicus</i> , <i>Rehmannia chinensis</i> , <i>R. glutinosa</i> , <i>Rhus chinensis</i> , <i>R. cotinus</i> , <i>R. javanica</i> , <i>R. osbeckii</i> , <i>Trichosanthes kirilowii</i> , <i>T. uniflora</i>
Polysaccharuperptide	<i>Coriolum versicolor</i>
Polythienyls	<i>Tagetes patula</i>
Ponasterone	<i>Podocarpus macrophyllus</i>
Ponasterone A	<i>Matteuccia struthiopteris</i> , <i>Osmunda japonica</i>
Poncirin	<i>Citrus reticulata</i> , <i>Poncirus trifoliata</i>
Pongapin	<i>Pongamia pinnata</i>
Ponicidine	<i>Rabdosia rubescens</i>
Populin	<i>Populus alba</i> , <i>P. davidiana</i> , <i>P. tomentosa</i>
Populnin	<i>Equisetum arvense</i> , <i>E. hyemale</i> , <i>E. ramosissimum</i>
Portulal	<i>Portulaca grandiflora</i>
Potassium	<i>Laminaria angusta</i> , <i>L. cichorioides</i> , <i>L. japonica</i> , <i>L. longipedalis</i> , <i>L. religiosa</i> , <i>Sargassum pallidum</i>
Potassium hydroxide	<i>Phyllostachys bambusoide</i> , <i>P. nigra</i>

Component

Potassium malate
Potassium myronate
Potassium nitrate
Potassium oxide
Potassium salts
Potassium sodium
Precatorine
Pregnenes
Preskinnianine
Primulagenin A
Procurcumenol
Proesapanin A
Proline
Prometaphanine
Pronuciferine
Propeimin
Propionic acid
Prosapogenin
Protease
Proteins

Source

Hovenia dulcis
Brassica alba, *B. juncea*
Cynoglossum divaricatum, *Hovenia dulcis*
Desmodium triflorum, *D. triquetrum*
Portulaca oleracea
Portulaca pilosa
Abrus precatorius
Periploca sepium
Dictamnus albus, *D. dasycarpus*
Primula sieboldii, *P. asiatica*, *P. vulgaris*
Curcuma zedoaria, *C. aromatica*, *C. kwangsiensis*, *C. longa*
Caesalpinia sappan
Litchi chinensis
Stephania japonica
Nelumbium nuciferum, *N. speciosum*
Fritillaria anheunensis, *F. collicola*, *F. maximowiczii*, *F. roylei*, *F. thunbergii*, *F. ussuriensis*, *F. verticillata*
Ajuga bracteosa
Platycodon autumnalis, *P. grandiflorum*, *P. sinensis*
Fagopyrum esculentum, *F. sagittatum*, *Plumbago zeylanica*
Abutilon theophrasti, *A. avicennae*, *Achyranthes asperia*, *Aleurites moluccanu*, *Amaranthus lividus*,
A. blitum, *A. viridis*, *Arachis hypogaea*, *Arundo donax*, *A. phragmites*, *Artocarpus heterophyllus*,
Bauhinia championi, *B. variegata*, *Boehmeria densiflora*, *Campsis adrepens*, *C. chinensis*, *C. grandiflora*,
Castanea crenata, *C. mollissima*, *Coix agrestis*, *C. chinensis*, *C. lachryma*, *Cordyceps sinensis*, *Dioscorea*
batatus, *Euryale ferox*, *Ficus awkeotsang*, *Glycine max*, *G. soja*, *Lemmaphyllum microphyllum*, *Hibiscus*
rosa-sinensis, *H. rhombifolius*, *Lilium brownii*, *L. concolor*, *L. dauricum*, *L. distichum*, *L. japonicum*,
L. lancifolium, *L. pumilum*, *Lycopersicon esculentum*, *Oxyria digyna*, *Phragmites communis*, *Polygonum*
perfoliatum, *P. tinctorium*, *Polyporus umbellatus*, *Quercus acutissima*, *Q. aliena*, *Q. dentata*,
Q. liaotungensis, *Q. mongolica*, *Q. variabilis*, *Triticum vulgare*, *Trapa bispinosa*, *Urtica angustifolia*,
U. cannabina, *U. cannabina*, *U. lobata*, *U. tenacissima*, *U. urens*, *U. utilis*

Protein (TAP29)	<i>Trichosanthes kirilowii</i> , <i>T. uniflora</i>
Proteinase	<i>Ganoderma lucidum</i> , <i>Hordeum vulgare</i>
Proto-isoerubosides	<i>Allium chinense</i> , <i>A. odorum</i> , <i>A. sativum</i> , <i>A. tuberosum</i> , <i>A. uliginosum</i>
Protoanemonin	<i>Anemone cernua</i> , <i>A. pulsatilla</i> , <i>Caltha palustris</i> , <i>Pulsatilla ambigua</i> , <i>P. cernua</i> , <i>P. chinensis</i> , <i>Ranunculus chinensis</i> , <i>R. japonicus</i> , <i>R. sarmentosa</i> , <i>R. sceleratus</i>
Protocatechinic acid	<i>Pterocarya stenoptera</i>
Protocatechuic acid	<i>Cirsium albescens</i> , <i>C. brevicaule</i> , <i>C. littorale</i> , <i>C. maakii</i> , <i>C. segetum</i> , <i>C. setosum</i> , <i>C. vlassovianum</i> , <i>Ilex chinensis</i> , <i>Matteuccia struthiopteris</i> , <i>Parietaria micrantha</i> , <i>Polygonum bistorta</i> , <i>Rhododendron mucronatum</i>
Protocatechuic aldehyde	<i>Ilex chinensis</i>
Protoescigenine	<i>Aesculus chinensis</i> , <i>A. hippocastanum</i>
Protohypericin	<i>Hypericum perforatum</i>
Protopine	<i>Chelidonium album</i> , <i>C. hybridum</i> , <i>C. majus</i> , <i>C. serotinum</i> , <i>Corydalis ambigua</i> , <i>C. bungeana</i> , <i>C. decumbens</i> , <i>C. incisa</i> , <i>C. repens</i> , <i>C. ternata</i> , <i>C. turtchaninovii</i> , <i>C. yanhusuo</i> , <i>Macleaya cordata</i> , <i>Thalictrum aquilegifolium</i> , <i>T. baicalense</i> , <i>T. fauriei</i> , <i>T. petaloideum</i> , <i>T. simplex</i> , <i>T. squarrosum</i> , <i>T. thunbergii</i>
Protoprimulagenin A	<i>Primula sieboldii</i> , <i>P. asiatica</i> , <i>P. vulgaris</i>
Protostemonine	<i>Stemona japonica</i> , <i>S. tuberosa</i>
Protostephanine	<i>Stephania japonica</i>
Protoveratrine	<i>Hemerocallis flava</i> , <i>Veratrum formosanum</i>
Prudomenin	<i>Prunus mume</i>
Prunasin	<i>Prunus armeniaca</i>
Pseudoaconitine	<i>Aconitium deinorrtuzum</i>
Pseudoanisatin	<i>Illicium lanacedatum</i>
Pseudobrucine	<i>Strychnos pierriana</i>
Pseudohypericin	<i>Hypericum triquetrifolium</i> , <i>H. chinensis</i>
Pseudojervine	<i>Hemerocallis flava</i> , <i>Veratrum dahuricum</i> , <i>V. maackii</i> , <i>V. nigrum</i>
Pseudolycorine	<i>Lycoris radiata</i> , <i>L. longituba</i> , <i>L. aura</i>
Pseudomorphine	<i>Papaver somniferum</i>
Pseudopelletierine	<i>Punica granatum</i>
Pseudopurpurin	<i>Rubia chinensis</i> , <i>R. cordifolia</i> , <i>R. mungista</i> , <i>R. sylvatica</i>
Pseudostrychnine	<i>Strychnos pierriana</i>

Component	Source
Psoralen	<i>Dictamnus albus</i> , <i>D. dasycarpus</i> , <i>Ficus carica</i> , <i>Glehnia littoralis</i> , <i>Psoralea corylifolia</i>
Psoralidin	<i>Psoralea corylifolia</i>
Psychotrine	<i>Alangium lamareckii</i>
pterosterone	<i>Matteuccia struthiopteris</i>
Puerarin	<i>Pueraria lobata</i> , <i>P. pseudo-hirsuta</i>
Puqiedinone	<i>Fritillaria anheunensis</i> , <i>F. collicola</i> , <i>F. maximowiczii</i> , <i>F. roylei</i> , <i>F. thunbergii</i> , <i>F. ussuriensis</i> , <i>F. verticillata</i>
Purpureal glycosides	<i>Digitalia purpurea</i> , <i>D. sanguinalis</i>
Purpurin	<i>Galium bungei</i> , <i>G. spurium</i> , <i>G. verum</i> , <i>Rubia akane</i> , <i>R. chinensis</i> , <i>R. cordifolia</i> , <i>R. mungista</i> , <i>R. sylvatica</i>
Putrescine	<i>Citrus reticulata</i> , <i>Panax ginseng</i>
Pyrocaledol	<i>Salix babylonica</i> , <i>S. matsudana</i> , <i>S. microstachya</i>
Pyrocatechic tannin	<i>Blumea balsumifera</i>
Pyrocatechine acid	<i>Pterocarya stenoptera</i>
Pyrogallol tannin	<i>Ranunculus sceleratus</i>
Pyrrolidine	<i>Daucus carota</i>
Pyrryl--methyl ketone	<i>Valeriana alternifolia</i> , <i>V. amurensis</i> , <i>V. fauriei</i> , <i>V. subbipinnatifolia</i>
Qianhucocumarin	<i>Peucedanum japonicum</i> , <i>P. praeruptorum</i> , <i>P. rubricaulis</i>
Quassin	<i>Picrasma quassioides</i>
Querbrachitol	<i>Viscum album</i> , <i>V. coloratum</i>
Quercetagetin	<i>Tagetes patula</i>
Quercetagetrin	<i>Tagetes patula</i>
Quercetin	<i>Apocynum venetum</i> , <i>Aster ageratoides</i> , <i>A. tataricus</i> , <i>Astilbe longicarpa</i> , <i>A. chinensis</i> , <i>Campanula glomerata</i> , <i>C. punctata</i> , <i>Cassia alata</i> , <i>Castanea crenata</i> , <i>C. mollissima</i> , <i>Convolvulus arvensis</i> , <i>Coriandrum sativum</i> , <i>Crataegus cuneata</i> , <i>C. chlorusarca</i> , <i>C. dahurica</i> , <i>C. maximowiczii</i> , <i>C. pentagyna</i> , <i>C. pinnatifida</i> , <i>C. sanguinea</i> , <i>Euonymus alatus</i> , <i>E. bungeanus</i> , <i>E. maackii</i> , <i>Geranium dahuricum</i> , <i>G. eriostemon</i> , <i>G. sibiricum</i> , <i>G. wlassowianum</i> , <i>G. wilfordi</i> , <i>Hibiscus mutabilis</i> , <i>Hypericum attenuatum</i> , <i>H. ascyron</i> , <i>H. japonicum</i> , <i>H. perforatum</i> , <i>H. sumpsonii</i> , <i>Inula britannica</i> , <i>I. japonica</i> , <i>I. linariaefolia</i> , <i>I. salsoloides</i> , <i>Isatis chinensis</i> , <i>I. tinctoria</i> , <i>Jatropha podagrica</i> , <i>Loranthus parasiticus</i> , <i>L. yadoriki</i> , <i>Machilus thunbergii</i> , <i>Persicaria amphibia</i> , <i>P. hydropiper</i> , <i>Pileostegia viburnoides</i> , <i>Pistacia lentiscus</i> , <i>Plumeria rubra</i> , <i>R. ododendron anthopogon</i> , <i>R. dauricum</i> , <i>Thuja koraiensis</i> , <i>T. orientalis</i> , <i>T. chinensis</i> , <i>Viscum album</i>

Quercetin glucoside	<i>Tephrosia purpurea</i>
Quercetin-3-galacto-xylo-glucoside	<i>Prunus padus</i>
Quercetin-3-galactoside	<i>Rumex acetosa</i> , <i>R. acetosella</i> , <i>R. amurensis</i> , <i>R. aquaticus</i> , <i>R. gmelini</i> , <i>R. longifolius</i> , <i>R. maritimus</i> , <i>R. marschallianus</i> , <i>R. stenophyllus</i> , <i>R. thyrsiflorus</i>
Quercetin-4-glucoside	<i>Hibiscus mutabilis</i>
Quercetin-monomethylether	<i>Tamarix juniperina</i>
Quercetol	<i>Rosa multiflora</i>
Quercimeritrin	<i>Hibiscus mutabilis</i> , <i>Melaleuca leucadendra</i> , <i>Persicaria amphibia</i> , <i>P. hydropiper</i> , <i>Polygonum bistorta</i> , <i>P. hydropiper</i>
Quercitin	<i>Celosia argentea</i> , <i>C. cristata</i> , <i>C. margariacea</i> , <i>Ficus carica</i> , <i>Hippophae rhamnoides</i>
Quercitol	<i>Cornus alba</i> , <i>C. kousa</i> , <i>C. macrophylla</i> , <i>Euphorbia hirta</i> , <i>Fagopyrum esculentum</i> , <i>F. sagittatum</i> , <i>Viscum album</i> , <i>V. coloratum</i>
Quercitrin	<i>Biota chinensis</i> , <i>B. orientalis</i> , <i>Dicranopteris linearis</i> , <i>Euphorbia hirta</i> , <i>Ginkgo biloba</i> , <i>Houttynia cordata</i> , <i>Hypericum attenuatum</i> , <i>H. ascyron</i> , <i>H. japonicum</i> , <i>H. perforatum</i> , <i>H. sumpsonii</i> , <i>Loropetalum chinense</i> , <i>Persicaria hydropiper</i> , <i>Saururus chinensis</i> , <i>Solidago canadensis</i>
Quereetin	<i>Astragalus complanatus</i> , <i>A. henyri</i> , <i>A. hoantchy</i> , <i>A. membranaceus</i> , <i>A. melilotoides</i> , <i>A. mongholicus</i> , <i>A. reflexistipulus</i> , <i>A. sinensis</i> , <i>Ginkgo biloba</i>
Quinene	<i>Ledum palustre</i>
Quinic acid	<i>Solidago dahurica</i> , <i>S. pacifica</i> , <i>S. virgaurea</i>
Quinochalone	<i>Carthamus tinctorius</i>
Quinonic substance	<i>Maesa perlaris</i>
Quinonoid	<i>Lithospermum erythrorhizon</i> , <i>L. officinalis</i>
Quinoric acid	<i>Adina rubella</i> , <i>A. ratemosa</i>
Quinquenosides	<i>Panax ginseng</i>
Quisqualic acid	<i>Quisqualis grandiflora</i> , <i>Q. indica</i> , <i>Q. longifolia</i> , <i>Q. loureiri</i> , <i>Q. pubescens</i> , <i>Q. sinensis</i>
r-cadinene	<i>Juniperus rigida</i>
r-glutamyl-valyl-glutamic acid	<i>Juncus effusus</i>
r-linolenic acid	<i>Stellaria media</i>
Racemic acid	<i>Vitis amurensis</i> , <i>V. vinifera</i>
Raddanoside	<i>Anemone raddeana</i> , <i>A. rivularis</i> , <i>A. vitifolia</i>

Component	Source
Raddeanin A	<i>Anemone raddeana</i> , <i>A. rivularis</i> , <i>A. vitifolia</i>
Raffinose	<i>Lycopus lucidus</i> , <i>L. maackianus</i> , <i>L. parviflorus</i> , <i>L. ramosissimus</i> , <i>L. fargesii</i> , <i>L. veitchii</i>
Ramallic acid	<i>Usnea diffracta</i> , <i>U. longissima</i>
Ranunculin	<i>Anemone raddeana</i> , <i>A. rivularis</i> , <i>A. vitifolia</i> , <i>Pulsatilla ambigua</i> , <i>P. cernua</i> , <i>P. chinensis</i> , <i>Ranunculus chinensis</i> , <i>R. sceleratus</i>
Raphanin	<i>Raphanus sativus</i>
Rebaudiosides	<i>Stevia rebaudiana</i>
Rebixanthin	<i>Calendula officinalis</i>
Rehmannin	<i>Rehmannia chinensis</i> , <i>R. glutinosa</i>
Reliculine	<i>Corydalis incisa</i> , <i>C. bungeana</i>
Renifolin	<i>Chimaphila umbellata</i>
Repandusinic acids	<i>Mallotus repandus</i>
Repandusinin	<i>Mallotus repandus</i>
Rerpinenol	<i>Zanthoxylum bungeanum</i>
Reserpine	<i>Chenopodium ambrosioides</i> , <i>Rauwolfia verticillata</i>
Resin	<i>Artocarpus heterophyllus</i> , <i>Caesalpinia pulcherrima</i> , <i>Callicarpa macrophylla</i> , <i>Centella asiatica</i> , <i>Commiphora myrrha</i> , <i>Cornus officinalis</i> , <i>Curculigo capitulata</i> , <i>C. ensifolia</i> , <i>C. malabarica</i> , <i>C. orchiodes</i> , <i>C. stams</i> , <i>Curcuma pallida</i> , <i>C. phaeocoulis</i> , <i>Daemonorops draco</i> , <i>Dodonaea viscosa</i> , <i>Euonymus alatus</i> , <i>E. bungeanus</i> , <i>E. maackii</i> , <i>Ficus awkeotsang</i> , <i>Gnaphalium affine</i> , <i>G. arenarium</i> , <i>G. confusum</i> , <i>G. javanum</i> , <i>G. luteo-album</i> , <i>G. multiceps</i> , <i>G. ramigerum</i> , <i>G. tranzschelii</i> , <i>G. uliginosum</i> , <i>Humulus lupulus</i> , <i>Lappa communis</i> , <i>L. edulis</i> , <i>L. major</i> , <i>L. minor</i> , <i>Lemmaphyllum microphyllum</i> , <i>Lycopus lucidus</i> , <i>L. maackianus</i> , <i>L. parviflorus</i> , <i>L. ramosissimus</i> , <i>L. fargesii</i> , <i>L. veitchii</i> , <i>Macrocarpium officinalis</i> , <i>Mallotus japonicus</i> , <i>Myristica fragrans</i> , <i>Ophiorrhiza japonica</i> , <i>O. mungos</i> , <i>Rhus chinensis</i> , <i>R. cotinus</i> , <i>R. javanica</i> , <i>R. osbeckii</i> , <i>Smilax china</i> , <i>S. nipponica</i> , <i>S. riparia</i> , <i>S. sieboldii</i> , <i>Trichosanthes kirilowii</i> , <i>T. uniflora</i> , <i>Wisteria sinensis</i>
Resin albaspidin	<i>Dryopteris laeta</i> , <i>D. filix-mas</i>
Resinous oil urushiol	<i>Rhus verniciflua</i>
Reticuline	<i>Machilus thunbergii</i>
Retinol	<i>Oxyria digyna</i>

Retroresine	<i>Crotalaria mucronata</i> , <i>Thalictrum aquilegifolium</i> , <i>T. baicalense</i> , <i>T. fauriei</i> , <i>T. petaloideum</i> , <i>T. simplex</i> , <i>T. squarrosum</i> , <i>T. thunbergii</i>
Rhamnazin	<i>Persicaria hydropiper</i> , <i>Polygonum hydropiper</i>
Rhamnetin	<i>Eugenia aromatica</i> , <i>E. caryophyllata</i> , <i>E. ulmoides</i>
Rhamnocitrin	<i>Alpinia japonica</i> , <i>Astragalus complanatus</i> , <i>A. henyri</i> , <i>A. hoantchy</i> , <i>A. membranaceus</i> , <i>A. melilotoides</i> , <i>A. mongholicus</i> , <i>A. reflexistipulus</i> , <i>A. sinensis</i>
Rhamnodiastase	<i>Rhamnus davurica</i> , <i>R. parvifolia</i>
Rhamnose	<i>Camellia japonica</i> , <i>Euphorbia hirta</i> , <i>Fagopyrum esculentum</i> , <i>F. sagittatum</i> , <i>Ficus carica</i>
Rhein	<i>Cassia angustifolia</i> , <i>Polygonum multifolrum</i> , <i>P. chinensis</i> , <i>Rheum officinale</i> , <i>R. palmatum</i> , <i>R. tanguticum</i> , <i>R. undulatum</i> , <i>R. koreanum</i>
Rhein aurantioobtusin	<i>Cassia nomame</i> , <i>C. obtusifolia</i> , <i>C. tora</i>
Rhein chrysarobin	<i>Cassia alata</i>
Rhein monoglucoside	<i>Cassia angustifolia</i>
Rhodexins	<i>Rhodea japonica</i>
Rhodioloside	<i>Rhodiola elongata</i>
Rhodotoxin	<i>Rhododendron dauricum</i>
Rhoeadine	<i>Papaver rhoeaes</i> , <i>P. somniferum</i>
Rhoeagenine	<i>Papaver rhoeaes</i>
Rhomotoxin	<i>Rhododendron molle</i>
Rhymohydroquinone	<i>Eupatorium chinense</i> , <i>E. lindleyanum</i> , <i>E. japonicum</i>
Rhynchophylline	<i>Nauclea rhynchophylla</i> , <i>N. sinensis</i> , <i>Uncaria hirsuta</i> , <i>U. rhynchophylla</i>
Riboflavin	<i>Achyranthes asperia</i> , <i>Alpinia katsumadai</i> , <i>A. globosum</i> , <i>A. kumatake</i> , <i>Amaranthus tricolor</i> , <i>A. lividus</i> , <i>A. blitum</i> , <i>A. viridis</i> , <i>Arachis hypogaea</i> , <i>Benincase cerifera</i> , <i>B. hispida</i> , <i>Boehmeria densiflora</i> , <i>Canarium</i> <i>album</i> , <i>C. sinense</i> , <i>Castanea crenata</i> , <i>C. mollissima</i> , <i>Corylus heterophylla</i> , <i>C. mandshurica</i> , <i>Glycine</i> <i>max</i> , <i>G. soja</i> , <i>Hibiscus rosa-sinensis</i> , <i>H. rhombifolius</i> , <i>Lycopersicon esculentum</i> , <i>Petasites japonicus</i> , <i>Solanum nigrum</i> , <i>Zea mays</i>
Ricinine	<i>Ricinus communis</i>
Ricinolein	<i>Ricinus communis</i>
Robinin	<i>Phaseolus angularis</i> , <i>P. lunatus</i> , <i>P. radiatus</i> , <i>P. vulgaris</i> , <i>Pueraria lobata</i> , <i>P. pseudo-hirsuta</i> , <i>Rauwolfia</i> <i>verticillata</i>

Component

Roemerine
Rorifamide
Rorifone
Rosenoxide
Rotenone
Rotundone
Rotunol
Rovidine
Roxburghine D
Rechts-lupinine
Rubescensine B
Rubescensins
Rubiadin-I-methyl ether
Rubichloric acid
Rubierythrinic acid
Rubijervine
Rubricauloside
Rubrierythrinic acid
Rutaecarpine
Rutin

Source

Nelumbium nuciferum, *N. speciosum*
Rorippa indica, *R. islandica*, *R. montana*
Rorippa indica, *R. islandica*, *R. montana*
Rosa rugosa
Milletia reticulata, *M. taiwaniana*, *Tephrosia purpurea*
Cyperus rotundus
Cyperus rotundus
Catharanthus roseus
Acacia catechu
Lupinus luteus
Rabdosia rubescens
Rabdosia lasiocarpus
Morinda citrifolia, *M. officinalis*
Morinda citrifolia, *M. officinalis*
Rubia chinensis, *R. cordifolia*, *R. mungista*, *R. sylvatica*
Veratrum dahuricum, *V. maackii*, *V. nigrum*
Peucedanum japonicum, *P. praeruptorum*, *P. rubricaulum*
Galium bungei, *G. spurium*, *G. verum*, *Rubia akane*
Evodia rutaecarpa
Abutilon theophrasti, *A. avicennae*, *Cassia alata*, *Cirsium albescens*, *C. brevicaule*, *C. littorale*, *C. maackii*,
C. segetum, *C. setosum*, *C. vlassovianum*, *Cucumis sativus*, *Coriandrum sativum*, *Fagopyrum esculentum*,
F. sagittatum, *F. tataricum*, *Ficus carica*, *Firmiana simplex*, *Forsythia suspensa*, *Ginkgo biloba*, *Hibiscus*
mutabilis, *Hydrangea macrophylla*, *Jatropha podagrica*, *Prunella vulgaris*, *Sophora japonica*, *Tephrosia*
purpurea, *Tussilago farfara*
Artemisia lactiflora
Elettaria cardamomum, *Ledum palustre*, *Piper cubeba*, *Zanthoxylum bungeanum*
Solanum indicum
Cordyceps sinensis
Trachycarpus wagnerianus, *T. fortunei*

s-guaiiazulene
Sabinene
Saccharase
Saccharides
Saccharose

Safflomin A	<i>Carthamus tinctorius</i>
Safflower yellow	<i>Carthamus tinctorius</i>
Safrole	<i>Asarum canadense</i> , <i>A. heterotropoides</i> , <i>A. sieboldii</i> , <i>Illicium verum</i> , <i>Magnolia biloba</i> , <i>M. denudata</i> , <i>M. discolor</i> , <i>M. liliflora</i> , <i>M. purpurea</i> , <i>Myristica fragrans</i>
Saikosaponins	<i>Bupleurum chinense</i> , <i>B. falcatum</i> , <i>B. scorzoneraefolium</i>
Salicarin	<i>Lythrum salicaria</i>
Salicifoline	<i>Magnolia biloba</i> , <i>M. denudata</i> , <i>M. discolor</i> , <i>M. grandiflora</i> , <i>M. liliflora</i> , <i>M. purpurea</i> , <i>Michelia alba</i> , <i>M. figo</i>
Salicin	<i>Populus alba</i> , <i>P. davidiana</i> , <i>P. tomentosa</i>
Salicinase	<i>Populus alba</i> , <i>P. davidiana</i> , <i>P. tomentosa</i>
Salicortin	<i>Populus alba</i> , <i>P. davidiana</i> , <i>P. tomentosa</i>
Salicylic acid	<i>Calendula officinalis</i> , <i>Gaultheria leucocarpa</i> , <i>Pterocarya stenoptera</i> , <i>Scopalia dulcis</i>
Salidroside	<i>Vaccinium bracteatum</i> , <i>V. vitis-idaea</i>
Saligenin glucoside	<i>Salix babylonica</i> , <i>S. matsudana</i> , <i>S. microstachya</i>
Salireposide	<i>Populus alba</i> , <i>P. davidiana</i> , <i>P. tomentosa</i>
Salsolidine	<i>Salsola collina</i>
Salsoline	<i>Salsola collina</i>
Saluianin	<i>Salvia coccinea</i>
Salvigenin	<i>Eupatorium odoratum</i>
Salviol	<i>Salvia miltiorhiza</i>
Sanguinarine	<i>Macleaya cordata</i> , <i>Papaver somniferum</i>
Sanguisorbins	<i>Sanguisorba grandiflora</i> , <i>S. officinalis</i> , <i>S. parviflora</i> , <i>S. x tenuifolia</i>
Sanjoinines	<i>Ziziphus jujuba</i> , <i>Z. spinosa</i>
Sanshol	<i>Xanthoxylum piperitum</i>
Santalallic acid	<i>Santalum album</i> , <i>S. myrtifolium</i> , <i>S. verum</i>
Santalal	<i>Santalum album</i> , <i>S. myrtifolium</i> , <i>S. verum</i>
Santalone	<i>Santalum album</i> , <i>S. myrtifolium</i> , <i>S. verum</i>
Santamarine	<i>Eupatorium formosanum</i>
Santene	<i>Santalum album</i> , <i>S. myrtifolium</i> , <i>S. verum</i>
Sapnons	<i>Gynura japonica</i> , <i>G. pinnatifida</i> , <i>G. segetum</i> , <i>Syringa dilatata</i> , <i>S. oblata</i> , <i>S. reticulata</i> , <i>S. suspensa</i> , <i>S. vulgaris</i>

Component	Source
Sapogenins	<i>Bupleurum chinense</i> , <i>B. falcatum</i> , <i>B. scorzoneraefolium</i>
Saponaretin	<i>Fagopyrum esculentum</i> , <i>F. sagittatum</i> , <i>Hibiscus sabdariffa</i> , <i>Thalictrum ichangense</i> , <i>T. glandulissimum</i> , <i>Trigonella foenum-graecum</i>
Saponarin	<i>Hibiscus chinensis</i> , <i>H. syriacus</i> , <i>H. trionum</i> , <i>H. rhombifolius</i> , <i>Saponaria officinalis</i> , <i>S. vaccaria</i>
Saponartin-4'-O-glucoside	<i>Uraria crinita</i> , <i>U. lagopodiodes</i>
Saponin	<i>Acacia nemu</i> , <i>Achyranthes aspera</i> , <i>A. japonica</i> , <i>Adenophora coronopifolia</i> , <i>A. paniculata</i> , <i>A. pereskiaefolia</i> , <i>A. polymorpha</i> , <i>A. remotiflora</i> , <i>A. stenanthina</i> , <i>A. tetraphylla</i> , <i>Adina rubella</i> , <i>A. ratemosa</i> , <i>Aleurites fordii</i> , <i>Alternanthera philoxeroides</i> , <i>A. sessilis</i> , <i>Anemone cernua</i> , <i>A. pulsatilla</i> , <i>Arenaria juncea</i> , <i>A. serpyllifolia</i> , <i>Arisaema amurense</i> , <i>A. consanguineum</i> , <i>A. erubescens</i> , <i>A. heterophyllum</i> , <i>A. peninsulae</i> , <i>A. thunbergii</i> , <i>Aster tataricus</i> , <i>Astragalus complanatus</i> , <i>A. henryi</i> , <i>A. hoantchy</i> , <i>A. membranaceus</i> , <i>A. melilotoides</i> , <i>A. mongholicus</i> , <i>A. reflexistipulus</i> , <i>A. sinensis</i> , <i>Caesalpinia decapetula</i> , <i>C. sappan</i> , <i>Caltha palustris</i> , <i>Campanula gentianoides</i> , <i>C. grandiflora</i> , <i>Centipeda minima</i> , <i>Cephalanoplos segetum</i> , <i>Chenopodium</i> <i>ambrosioides</i> , <i>Clematis chinensis</i> , <i>C. florida</i> , <i>C. hexapetala</i> , <i>C. minor</i> , <i>C. sinensis</i> , <i>C. terniflora</i> , <i>Crataegus</i> <i>chlorusarca</i> , <i>C. dahurica</i> , <i>C. cuneata</i> , <i>C. maximowiczii</i> , <i>C. pentagyna</i> , <i>C. pinnatifida</i> , <i>C. sanguinea</i> , <i>Delonix regia</i> , <i>Dictamnus albus</i> , <i>D. dasycarpus</i> , <i>Dioscorea bulbifera</i> , <i>Eclipta erecta</i> , <i>Elephantopus elatus</i> , <i>E. grandiflorus</i> , <i>Euphorbia esula</i> , <i>E. helioscopia</i> , <i>Gentiana algida</i> , <i>G. barbata</i> , <i>G. manshurica</i> , <i>G. olivieri</i> , <i>G. scabra</i> , <i>G. squarrosa</i> , <i>G. triflora</i> , <i>Gleditsia horrida</i> , <i>G. sinensis</i> , <i>G. xylocarpa</i> , <i>Gomphrena</i> <i>globosa</i> , <i>Hibiscus sabdariffa</i> , <i>Lonicera acuminata</i> , <i>L. apodonta</i> , <i>L. brachypoda</i> , <i>L. japonica</i> , <i>L. confusa</i> , <i>L. hypoglauca</i> , <i>L. chinensis</i> , <i>L. flexuosa</i> , <i>L. maackii</i> , <i>Loranthus parasiticus</i> , <i>L. yadoriki</i> , <i>Luffa aegyptiaca</i> , <i>L. cylindrica</i> , <i>L. faetida</i> , <i>L. petola</i> , <i>Marsdenia tenacissima</i> , <i>Nephelium longana</i> , <i>N. lappaceum</i> , <i>Panax</i> <i>japonicum</i> , <i>P. notogineng</i> , <i>P. zingiberensis</i> , <i>Phytolacca acinosa</i> , <i>P. americana</i> , <i>P. japonica</i> , <i>P. kaempferi</i> , <i>P. octandra</i> , <i>P. pekinensis</i> , <i>Polygala japonica</i> , <i>P. sibirica</i> , <i>P. tatarinowii</i> , <i>Pulsatilla ambigua</i> , <i>P. cernua</i> , <i>P. chinensis</i> , <i>Rhododendron anthopogon</i> , <i>Salix babylonica</i> , <i>S. matsudana</i> , <i>S. microstachy</i> , <i>Sesbinia sesbin</i> , <i>Sapindus mukorossi</i> , <i>Smilax china</i> , <i>S. nipponica</i> , <i>S. sieboldii</i> , <i>S. riparia</i> , <i>Solanum nigrum</i> , <i>Thalictrum</i> <i>foetidum</i> , <i>Trichosanthes kirilowii</i> , <i>T. uniflora</i> , <i>Trigonella foenum-graecum</i> , <i>Tussilago farfara</i> , <i>Vernonia</i> <i>andersonii</i> , <i>V. cinerea</i> , <i>V. patula</i> , <i>Xanthoxylum piperitum</i> , <i>Ziziphus jujuba</i> , <i>Z. spinosa</i>
Saponin akebin	<i>Clematis armandii</i> , <i>C. heraclei</i>
Saponin alpha-methylester	<i>Achyranthes aspera</i>
Saponin beta-methylester	<i>Achyranthes aspera</i>

Sarcostin	<i>Cynanchum paniculatum</i> , <i>Marsdenia tenacissima</i>
Sarmentosin	<i>Sedum erythrostichum</i> , <i>S. kamschaticum</i> , <i>S. verticillatum</i>
Sarmentoslin	<i>Sedum sarmentosum</i>
Sarmutoside	<i>Strophanthus divaricatus</i>
Sarolactone	<i>Hypericum attenuatum</i> , <i>H. ascyron</i> , <i>H. japonicum</i> , <i>H. perforatum</i> , <i>H. sumpsonii</i>
Sarothamine	<i>Cytisus scoparius</i>
Sarracine	<i>Senecio argunensis</i> , <i>S. nemorensis</i> , <i>S. scandens</i>
Sarsasapogenin	<i>Anemarrhena asphodeloides</i> , <i>Arnebia euchroma</i>
Sativol	<i>Medicago falcata</i> , <i>M. lupulina</i> , <i>M. polymorpha</i> , <i>M. ruthenica</i> , <i>M. sativa</i>
Saturated acids	<i>Viola acuminata</i> , <i>V. alisoviana</i> , <i>V. collina</i> , <i>V. dissecta</i> , <i>V. mandshurica</i> , <i>V. patrini</i> , <i>V. prionantha</i> , <i>V. verecunda</i>
Saussurine	<i>Aucklandia costus</i> , <i>A. lappa</i> , <i>Saussurea japonica</i> , <i>S. lappa</i>
Savinin	<i>Acanthopanax sessiliflorus</i>
Schisantherins	<i>Schisandra arisanensis</i> , <i>S. sphenanthera</i>
Schizandrer	<i>Schisandra chinensis</i>
Schizandrin	<i>Schisandra chinensis</i>
Schizandrol	<i>Schisandra chinensis</i>
Sciadopitysin	<i>Podocarpus macrophyllus</i>
Scopanol	<i>Scopolia dulcis</i>
Scoparin	<i>Cytisus scoparius</i>
Scoparon	<i>Artemisia capillaris</i>
Scoplin	<i>Physochlaina infundibularis</i>
Scopolamine	<i>Datura alba</i> , <i>D. fastuosa</i> , <i>D. innoxia</i> , <i>D. metel</i> , <i>D. stramonium</i> , <i>D. suaveolens</i> , <i>D. tatula</i> , <i>Physochlaina infundibularis</i> , <i>Scopolia tangutica</i>
Scopoletin	<i>Angelica amurensis</i> , <i>A. anomala</i> , <i>A. dahurica</i> , <i>Artemisia gmelini</i> , <i>Bidens tripartita</i> , <i>Caltha palustris</i> , <i>Carum carvi</i> , <i>Coriandrum sativum</i> , <i>Erycibe henryi</i> , <i>E. aenea</i> , <i>Ilex pubescens</i> , <i>Impatiens balsamina</i> , <i>I. noli-tangere</i> , <i>I. textori</i> , <i>Melilotus alba</i> , <i>M. suaveolens</i> , <i>M. indica</i> , <i>Nerum indicum</i> , <i>Physochlaina infundibularis</i> , <i>Viburnum sargentii</i>
Scopoline	<i>Erycibe henryi</i> , <i>E. aenea</i> , <i>Nerum indicum</i>
Scopolomine	<i>Hyoscyamus bohemicus</i>
Scoulerine	<i>Corydalis incisa</i> , <i>C. bungeana</i>
Scrophularin	<i>Scrophularia buergeriana</i> , <i>S. kakudensis</i> , <i>S. ningpoensis</i> , <i>S. oldhami</i> , <i>S. puergeriana</i>

Component	Source
Scutellarein heteroside	<i>Thymus amurensis</i> , <i>T. disjunctus</i> , <i>T. kitagawianus</i> , <i>T. komarovii</i> , <i>T. przewalskii</i> , <i>T. quinquecostatus</i>
Scutellarin	<i>Salvia chinensis</i> , <i>S. pogonocalyx</i> , <i>S. przewalskii</i>
Sebiferic acid	<i>Sepium sebiferum</i> , <i>S. discolor</i>
Secalose	<i>Avena fatua</i>
Secologanin	<i>Menyanthes trifoliata</i>
Securinine	<i>Securinega suffruticosa</i>
Securinol	<i>Securinega suffruticosa</i>
Securitinine	<i>Securinega suffruticosa</i>
Sedocaulin	<i>Sedum aizoon</i>
Sedocitrin	<i>Sedum aizoon</i>
Sedoflorin	<i>Sedum aizoon</i>
Sedoheptose	<i>Sedum lineare</i> , <i>S. erythrostichum</i> , <i>S. kamschaticum</i> , <i>S. verticillatum</i>
Sedooheptulose	<i>Sedum aizoon</i>
Selinene	<i>Valeriana alternifolia</i> , <i>V. amurensis</i> , <i>V. fauriei</i> , <i>V. subbipinnatifolia</i>
Sempervirine	<i>Gelsemium elegans</i> , <i>G. sempervirens</i>
Senecionine	<i>Senecio vulgaris</i>
Sennosides	<i>Cassia angustifolia</i> , <i>Rheum officinale</i> , <i>R. palmatum</i> , <i>R. tanguticum</i> , <i>R. undulatum</i> , <i>R. koreanum</i>
Seratonin	<i>Ranunculus sceleratus</i>
Serine	<i>Litchi chinensis</i> , <i>Taraxacum mongolicum</i> , <i>T. sinicum</i>
Serotonin	<i>Hippophae rhamnoides</i> , <i>Musa paradisiaca</i>
Serpentine	<i>Rauvolfia verticillata</i>
Serratenediol	<i>Lycopodium annotinum</i> , <i>L. cernum</i> , <i>L. compianatum</i>
Sesamin	<i>Sesamum indicum</i>
Sesamol	<i>Sesamum indicum</i>
Sesquijasmine	<i>Jasminum samba</i>
Sesquiligans	<i>Arctium lappa</i>
Sesquiterpene	<i>Alpinia officinarum</i> , <i>Artemisia annua</i> , <i>A. apiacea</i> , <i>Curcuma longa</i> , <i>Cyperus rotundus</i> , <i>Dryobalanops aromatica</i> , <i>D. camphora</i> , <i>Ginkgo biloba</i> , <i>Hedychium coronarium</i> , <i>Jasminum samba</i> , <i>Melaleuca leucadendra</i> , <i>Nardostachys jatamansi</i> , <i>Xanthoxylum piperitum</i>

Sesquiterpene alcohol	<i>Blumea balsumifera</i> , <i>Melaleuca leucadendra</i>
Sesquiterpene alkaloids	<i>Euonymus alatus</i> , <i>E. bungeanus</i> , <i>E. maackii</i>
Sesquiterpene glucosides	<i>Achillea alpina</i> , <i>A. millefolium</i> , <i>Anthriscus aemula</i> , <i>A. sylvestris</i> , <i>Heracleum dissectum</i> , <i>H. lanatum</i> , <i>Polygonum bistorta</i> , <i>Sanguisorba officinalis</i> , <i>S. grandiflora</i> , <i>S. parviflora</i> , <i>S. x tenuifolia</i> , <i>Taraxacum officinale</i>
Sesquiterpine lactones	<i>Eupatorium formosanum</i>
Shanzhiside	<i>Gardenia florida</i> , <i>G. grandiflora</i> , <i>G. maruba</i> , <i>G. pictorum</i> , <i>G. radicans</i>
Shibuol	<i>Diospyros chinensis</i> , <i>D. costata</i> , <i>D. khaki</i> , <i>D. lotus</i> , <i>D. roxburgii</i>
Shikimic acid	<i>Ginkgo biloba</i> , <i>Illicium lanacedatum</i>
Shikonin	<i>Arnebia euchroma</i> , <i>Lithospermum erythrorhizon</i> , <i>L. officinalis</i>
Shionon	<i>Aster tataricus</i>
Shisonin	<i>Solanum lyratum</i> , <i>S. melongena</i>
Shobakunine	<i>Mahonia japonica</i>
Silica	<i>Phyllostachys bambusoide</i> , <i>P. nigra</i>
Silicic acid	<i>Desmodium triflorum</i> , <i>D. triquetrum</i> , <i>Plumbago zeylanica</i>
Silybin	<i>Silybum marianum</i>
Silybinomer	<i>Silybum marianum</i>
Silyckristin	<i>Silybum marianum</i>
Silydiamin	<i>Silybum marianum</i>
Silymarin	<i>Silybum marianum</i>
Simiarenol	<i>Imperata arundinaceae</i> , <i>I. cylindrica</i>
Simplexine	<i>Phyllanthus simplex</i>
Sinactine	<i>Cocculus diversifolius</i> , <i>C. thunbergii</i> , <i>Sinomenium acutum</i>
Sinalbine	<i>Sinapis alba</i>
Sinapic acid	<i>Brassica alba</i> , <i>B. juncea</i> , <i>Impatiens balsamina</i> , <i>I. noli-tangere</i> , <i>I. textori</i>
Sinapine	<i>Brassica alba</i> , <i>B. juncea</i>
Sinapyl aldehyde	<i>Santalum album</i> , <i>S. myrtifolium</i> , <i>S. verum</i>
Sinigrin	<i>Brassica alba</i> , <i>B. juncea</i> , <i>Thlaspi arvense</i>
Sinigroside	<i>Cardamine leucantha</i> , <i>C. lyrata</i>
Sinoacutine	<i>Cocculus diversifolius</i> , <i>C. thunbergii</i> , <i>Sinomenium acutum</i>

Component	Source
Sinocecatine	<i>Corydalis incisa</i> , <i>C. bungeana</i>
Sinodiosgenin	<i>Dioscorea opposita</i>
Sinomenine	<i>Cocculus diversifolius</i> , <i>C. thunbergi</i> , <i>Menispermum dauricum</i> , <i>Sinomenium acutum</i>
Sinoside	<i>Strophanthus divaricatus</i>
Sinostroside	<i>Strophanthus divaricatus</i>
Sioimperatorin	<i>Angelica decursiva</i> .
Sioquercitrin	<i>Vaccinium bracteatum</i> , <i>V. vitis-idaea</i>
Siosakuranetin	<i>Clinopodium chinense</i> , <i>C. polycephalum</i> , <i>C. gracile</i> , <i>C. umbrosum</i>
Sitosterol	<i>Arundinaria graminifolia</i> , <i>Centella asiatica</i> , <i>Elaeagnus oldhumii</i> , <i>Ficus carica</i> , <i>Nuphar japonicum</i> , <i>N. pumilum</i> , <i>Punica granatam</i> , <i>Syzygium aromaticum</i> , <i>Ulmus campestris</i> , <i>U. macrocarpa</i> , <i>U. pumila</i>
Sitosteryl glucopyranosid	<i>Elaeagnus oldhumii</i>
Sitosteryl-o-β-d-glucoside	<i>Spilanthes acmella</i>
Skimmianine	<i>Dictamnus albus</i> , <i>D. dasycarpus</i> , <i>Glycosmis cochinchinensis</i> , <i>G. pentaphylla</i> , <i>Zanthoxylum nitidum</i> , <i>Z. schinifolium</i> , <i>Z. ailanthoides</i>
Skullcapflavones	<i>Scutellaria baicalensis</i> , <i>S. grandiflora</i> , <i>S. lanceolaria</i> , <i>S. macrantha</i> , <i>S. rivulararis</i> , <i>S. viscidula</i>
Slliptinone	<i>Plumbago zeylanica</i>
Sloeemodin	<i>Rumex patientia</i>
Smilacin	<i>Smilax china</i> , <i>S. nipponica</i> , <i>S. sieboldii</i> , <i>S. riparia</i>
Solamargine	<i>Solanum incanum</i>
Solanidine	<i>Solanum indicum</i>
Solanigrines	<i>Solanum nigrum</i>
Solanine	<i>Solanum indicum</i> , <i>S. lyratum</i> , <i>S. melongena</i>
Solanocapsin	<i>Solanum capsicastrum</i>
Solanocapsine	<i>Solanum pseudo-capsicum</i>
Solasodine	<i>Solanum indicum</i> , <i>S. lyratum</i> , <i>S. melongena</i>
Solasonine	<i>Solanum aculeatissimum</i> , <i>S. verbascifolium</i>
Solasurine	<i>Solanum aculeatissimum</i>
Sophorabioside	<i>Sophora japonica</i>
Sophoradin	<i>Sophora subprostrata</i>

Sophoradiol	<i>Sophora japonica</i>
Sophoraflavonoside	<i>Sophora japonica</i>
Sophoranochromene	<i>Sophora subprostrata</i>
Sophoranone	<i>Sophora subprostrata</i>
Sophoricoside	<i>Sophora japonica</i>
Soranjudiol	<i>Morinda citrifolia</i> , <i>M. officinalis</i>
Sotelsuflavone	<i>Cycas revoluta</i> , <i>Selaginella tamarisina</i>
Sparteine	<i>Chelidonium album</i> , <i>C. hybridum</i> , <i>C. majus</i> , <i>C. serotinum</i> , <i>Cytisus scoparius</i>
Spathulenol	<i>Artemisia lactiflora</i>
Spemine	<i>Panax ginseng</i>
Spermindine	<i>Panax ginseng</i>
Sphenone A	<i>Sphenomeris chusana</i>
Spilanthol	<i>Spilanthes acmella</i>
Spinasterol	<i>Codonopsis pilosula</i> , <i>C. tangshen</i> , <i>C. ussuriensis</i> , <i>Platycodon autumnalis</i> , <i>P. grandiflorum</i> , <i>P. sinensis</i>
Spirostanol saponins	<i>Paris polyphylla</i>
Spongesterol	<i>Angelica decursiva</i>
Squalene	<i>Abrus precatorius</i> , <i>Taraxacum officinale</i>
Stachydrine	<i>Chrysanthemum cinerriae-folium</i> , <i>C. jucundum</i> , <i>C. koraiense</i> , <i>C. morifolium</i> , <i>C. sinense</i> , <i>Citrus reticulata</i> , <i>Leonurus heterophyllus</i> , <i>L. japonicus</i> , <i>L. macranthus</i> , <i>L. mongolicus</i> , <i>L. pseudo-macranthus</i> , <i>Pyrethrum</i> <i>cinerariifolium</i> , <i>P. sinense</i> , <i>Solanum lyratum</i> , <i>S. melongena</i>
Stachydrine chloride	<i>Stachys chinensis</i> , <i>S. baicalensis</i> , <i>S. japonica</i>
Stachyose	<i>Isatis chinensis</i> , <i>I. chinensis</i> , <i>I. tinctoria</i> , <i>Lycopus lucidus</i> , <i>L. maackianus</i> , <i>L. parviflorus</i> , <i>L. ramosissimus</i> , <i>L. fargesii</i> , <i>L. veitchii</i>
Starch	<i>Pteris cretica</i> , <i>P. ensiformis</i> , <i>P. multifida</i> , <i>P. vittata</i> , <i>P. wallichiana</i> , <i>Pseudostellaria heterophylla</i> , <i>Tulipa</i> <i>edulis</i> , <i>T. gesneriana</i>
Stauntonin	<i>Stauntonia hexaphylla</i>
Stearic acid	<i>Aleurites fordii</i> , <i>Angelica grosserrata</i> , <i>Ajuga bracteosa</i> , <i>Benincase cerifera</i> , <i>B. hispida</i> , <i>Citrullus anguria</i> , <i>C. edulis</i> , <i>C. lanatus</i> , <i>C. vulgaris</i> , <i>Coix agrestis</i> , <i>C. chinensis</i> , <i>C. lachryma</i> , <i>Corchorus capsularis</i> , <i>C. olitorius</i> , <i>Cucumis sativus</i> , <i>Jatropha gossipifolia</i> , <i>J. curcas</i> , <i>Melia azedarach</i> , <i>M. toosendan</i> , <i>M. japonica</i> , <i>Myristica fragrans</i> , <i>Sonchus arvensis</i> , <i>S. oleraceus</i> , <i>Taraxacum mongolicum</i> , <i>T. sinicum</i> <i>Ricinus communis</i> , <i>Sesamum indicum</i>
Stearin acid	

Component	Source
Stemonidine	<i>Stemona japonica, S. tuberosa</i>
Stemonine	<i>Stemona japonica, S. tuberosa</i>
Stephanine	<i>Stephania japonica</i>
Stephanoline	<i>Stephania japonica</i>
Stepharine	<i>Menispermum dauricum, Stephania sinica</i>
Stepharotine	<i>Stephania sinica</i>
Stephisoferuline	<i>Stephania hernendifolia</i>
Stepholidine	<i>Menispermum dauricum</i>
Stepinonine	<i>Stephania japonica</i>
Steponine	<i>Stephania japonica</i>
Stereoisomer	<i>Arctium lappa</i>
Steroid alkaloid glycosides	<i>Solanum biflorum</i>
Steroid glycosides	<i>Periploca sepium, Sesbinia sesbin</i>
Steroid saponins	<i>Allium chinense, A. odorum, A. sativum, A. tuberosum, A. uliginosum, Anemarrhena asphodeloides, Arnebia euchroma</i>
Steroidal saponin POD-II	<i>Polygonatum chinense, P. cirrhifolium, P. macropodium, P. odoratum, P. officinale, P. sibiricum, P. stenophyllum, P. vulgare</i>
Sterol	<i>Cordyceps sinensis, Cucurbita moschata, C. pepo, Cucumis melo, Cyripedium guttatum, C. macranthum, C. pubescens, C. sativus, Fibraurea recisa, Luffa aegyptiaca, L. cylindrica, L. faetida, L. petola, Momordica charantia</i>
Steviolbioside	<i>Stevia rebaudiana</i>
Stevioside	<i>Stevia rebaudiana</i>
Stigmast-7-enol	<i>Menyanthes trifoliata</i>
Stigmasterol	<i>Adina rubella, A. ratemosa, Aletris formosuna, A. spicata, Aleurites fordii Arundinaria graminifolia, Bauhinia championi, Cirsium chinense, C. japonicum, Codonopsis lanceolata, C. pilosula, C. tangshen, C. ussuriensis, Cuscuta chinensis, C. europaea, C. japonica, C. lupuliformis, Dioscorea bulbifera, Eclipta erecta, Glehnia littoralis, Linum stelleroides, L. usitatissimum, Matteuccia struthiopteris, Nervilia purpurea, Oldenlandia chrysotricha, O. corymbosa, O. diffusa, Ophiopogon japonicus, Papaver somniferum, Rubus coreanus, R. crataegifolius, R. matsumuranus, R. saxatilis, Schizonepeta multifida, S. tenuifolia, Spilanthes acmella, Syzygium aromaticum</i>

Strophalloside	<i>Antiaris toxicaris</i>
Strophantidin	<i>Apocynum venetum</i> , <i>Corchorus olitorius</i>
Strospeside	<i>Digitalia purpurea</i> , <i>D. sanguinalis</i>
Strumaroside	<i>Xanthium chinense</i> , <i>X. japonicum</i> , <i>X. mongolicum</i> , <i>X. sibiricum</i> , <i>X. strumarium</i>
Strychnine	<i>Strychnos nux-vomica</i> , <i>S. pierriana</i>
Stylopine	<i>Chelidonium album</i> , <i>C. hybridum</i> , <i>C. majus</i> , <i>C. serotinum</i>
Styracin	<i>Styrax tonkinensis</i> , <i>S. benzoin</i>
Succinacid	<i>Cynomorium coccineum</i> , <i>C. songarium</i>
Succinic acid	<i>Angelica polymorpha</i> , <i>A. sinensis</i> , <i>Geranium dahuricum</i> , <i>G. eriostemon</i> , <i>G. sibiricum</i> , <i>G. wlassowianum</i> , <i>G. wilfordi</i> , <i>Maytenus diversifolia</i> , <i>M. confertiflorus</i> , <i>Prunus mume</i> , <i>Sarcandra glabra</i> , <i>Typhonium giganteum</i>
Sucrose	<i>Codonopsis pilosula</i> , <i>C. tangshen</i> , <i>C. ussuriensis</i> , <i>Eriobotrya japonica</i> , <i>Nephelium longana</i> , <i>N. lappaceum</i>
Sumaresinolic acid	<i>Styrax tonkinensis</i> , <i>S. benzoin</i>
Swertiamarin	<i>Swertia pseudochinensis</i>
Swertifrancheside	<i>Swertia pseudochinensis</i>
Swertisin	<i>Swertia pseudochinensis</i>
Sworoside	<i>Cornus officinalis</i>
Synephrine	<i>Citrus aurantium</i>
Syringareinol	<i>Eleutherococcus senticosus</i>
Syringaresinol	<i>Acanthopanax giraldii</i> , <i>A. sessiliflorus</i>
Syringic acid	<i>Ailanthus altissima</i> , <i>Maytenus diversifolia</i> , <i>M. confertiflorus</i> , <i>Rhododendron mucronatum</i>
Syringic aldehyde	<i>Santalum album</i> , <i>S. myrtifolium</i> , <i>S. verum</i>
Syringin	<i>Jasminum mesnyi</i> , <i>J. nudiflorum</i> , <i>Lonicera acuminata</i> , <i>L. apodonta</i> , <i>L. brachypoda</i> , <i>L. japonica</i> , <i>L. confusa</i> , <i>L. hypoglauca</i> , <i>L. chinensis</i> , <i>L. flexuosa</i> , <i>L. maackii</i> , <i>Syringa dilatata</i> , <i>S. oblata</i> , <i>S. reticulata</i> , <i>S. suspensa</i> , <i>S. vulgaris</i>
Tadeonal	<i>Persicaria hydropiper</i> , <i>Polygonum hydropiper</i>
Tagetone	<i>Tagetes erecta</i> , <i>T. patula</i>
Talatisamine	<i>Aconitum austroyunnanense</i> , <i>A. balfourii</i> , <i>A. barbatum</i> , <i>A. carmichaelii</i> , <i>A. chasmanthum</i> , <i>A. chinense</i> , <i>A. deinorrhizum</i> , <i>A. fischeri</i> , <i>A. jaluense</i> , <i>A. koreanum</i> , <i>A. kusnezoffii</i> , <i>A. laciniatum</i> , <i>A. napellus</i> , <i>A. pariculigerum</i> , <i>A. praeparata</i> , <i>A. vilmorinianum</i> , <i>A. volubile</i>

Component	Source
Talictrine	<i>Thalictrum ichangense</i> , <i>T. glandulissimum</i>
Tangeratin	<i>Citrus aurantium</i>
Tannates	<i>Ophiorrhiza japonica</i> , <i>O. mungos</i>
Tannic acid	<i>Acalypha australis</i> , <i>Acanthopanax gracilistylus</i> , <i>A. spinosum</i> , <i>Caesalpinia sappan</i> , <i>Coriandrum sativum</i> , <i>Cornus officinalis</i> , <i>Eclipta erecta</i> , <i>Erigeron canadensis</i> , <i>E. annuus</i> , <i>Hedera rhombea</i> , <i>H. helix</i> , <i>Hieracium umbellatum</i> , <i>Ilex chinensis</i> , <i>Macrocarpium officinalis</i> , <i>Rabdosia rubescens</i> , <i>Rheum officinale</i> , <i>R. palmatum</i> , <i>R. tanguticum</i> , <i>R. undulatum</i> , <i>R. koreanum</i> , <i>Thea assamica</i> , <i>T. bohea</i> , <i>T. cantoniensis</i> , <i>T. chinensis</i> , <i>T. cochinchinensis</i> , <i>T. sinensis</i> , <i>T. viridis</i> , <i>Vitex nequundo</i>
Tannins	<i>Acacia catechu</i> , <i>A. nemu</i> , <i>Agrimonia eupatoria</i> , <i>A. pilosa</i> , <i>A. viscidula</i> , <i>Aleurites fordii</i> , <i>Alternanthera philoxeroides</i> , <i>A. sessilis</i> , <i>Arethusa japonica</i> , <i>Artemisia brachyloba</i> , <i>Aspidium falcatum</i> , <i>Callicarpa macrophylla</i> , <i>Caesalpinia pulcherrima</i> , <i>Centella asiatica</i> , <i>Cleome spinosa</i> , <i>C. gynandra</i> , <i>C. viscosa</i> , <i>Curculigo capitulata</i> , <i>C. ensifolia</i> , <i>C. malabarica</i> , <i>C. orchiodes</i> , <i>C. stams</i> , <i>Desmodium triflorum</i> , <i>D. triquetrum</i> , <i>Dioscorea bulbifera</i> , <i>D. cirrhosa</i> , <i>D. hispida</i> , <i>D. japonica</i> , <i>Dodonaea viscosa</i> , <i>Geranium dahuricum</i> , <i>G. eriostemon</i> , <i>G. sibiricum</i> , <i>G. wlassowianum</i> , <i>G. wilfordi</i> , <i>Jasminum mesnyi</i> , <i>J. nudiflorum</i> , <i>Hippophae rhamnoides</i> , <i>Lappa communis</i> , <i>L. edulis</i> , <i>L. major</i> , <i>L. minor</i> , <i>Lonicera acuminata</i> , <i>L. apodonta</i> , <i>L. brachypoda</i> , <i>L. chinensis</i> , <i>L. confusa</i> , <i>L. flexuosa</i> , <i>L. hypoglauca</i> , <i>L. japonica</i> , <i>L. maackii</i> , <i>Lythrum salicaria</i> , <i>Mallotus japonicus</i> , <i>Matricaria chamomilla</i> , <i>Nephelium longana</i> , <i>N. lappaceum</i> , <i>Morinda citrifolia</i> , <i>M. officinalis</i> , <i>Photinia serrulata</i> , <i>Polygonum aviculare</i> , <i>P. lapidosa</i> , <i>P. manshuriensis</i> , <i>P. vivipara</i> , <i>Populus alba</i> , <i>P. davidiana</i> , <i>P. tomentosa</i> , <i>Portulaca pilosa</i> , <i>Prunus persica</i> , <i>Pteris cretica</i> , <i>P. ensiformis</i> , <i>P. multifida</i> , <i>P. vittata</i> , <i>P. wallichiana</i> , <i>Pyrostia adnascens</i> , <i>Ranunculus ternatus</i> , <i>Rhus semialata</i> , <i>Scopalia dulcis</i> , <i>Smilax china</i> , <i>S. nipponica</i> , <i>S. sieboldii</i> , <i>S. riparia</i> , <i>Tamarindus indicus</i> , <i>Terminalia chebula</i> , <i>T. wagnerianus</i> , <i>Trachycarpus fortunei</i> , <i>Tussilago farfara</i> , <i>Vaccinium bracteatum</i> , <i>V. vitis-idaea</i> , <i>Verbena officinalis</i> , <i>V. oxysepalum</i>
Tanshinol	<i>Salvia miltiorhiza</i>
Tanshinone	<i>Salvia miltiorhiza</i>
Taraxacerin	<i>Taraxacum mongolicum</i> , <i>T. sinicum</i>
Taraxacin	<i>Taraxacum mongolicum</i> , <i>T. sinicum</i>
Taraxanthin	<i>Cuscuta australis</i> , <i>Tussilago farfara</i>

Taraxasterol	<i>Inula britannica</i> , <i>I. japonica</i> , <i>I. linariaefolia</i> , <i>I. salsoloides</i> , <i>Sonchus arvensis</i> , <i>S. oleraceus</i> , <i>Taraxacum formosanum</i> , <i>T. mongolicum</i> , <i>T. sinicum</i>
Taraxasteryl acetate	<i>Forsythia suspensa</i> , <i>Inula britannica</i> , <i>I. japonica</i> , <i>I. linariaefolia</i> , <i>I. salsoloides</i>
Taraxasteryl palmitate	<i>Forsythia suspensa</i> , <i>Inula britannica</i> , <i>I. japonica</i> , <i>I. linariaefolia</i> , <i>I. salsoloides</i>
Taraxerol	<i>Acanthopanax trifoliatum</i> , <i>Alnus japonica</i> , <i>Codonopsis pilosula</i> , <i>C. tangshen</i> , <i>C. ussuriensis</i> , <i>Euphorbia hirta</i> , <i>Taraxacum mongolicum</i> , <i>T. sinicum</i>
Taraxerone	<i>Adenophora triphylla</i> , <i>A. verticillata</i> , <i>Euphorbia hirta</i> , <i>Spatholobus suberectus</i>
Taraxeryl acetate	<i>Codonopsis pilosula</i> , <i>C. tangshen</i> , <i>C. ussuriensis</i>
Taraxol	<i>Taraxacum mongolicum</i> , <i>T. sinicum</i>
Taraxsteryl acetate	<i>Cirsium chinense</i> , <i>C. japonicum</i>
Tartaric acid	<i>Chaenomeles japonica</i> , <i>C. sinensis</i> , <i>C. speciosa</i> , <i>Cornus officinalis</i> , <i>Cydonia sinensis</i> , <i>Eriobotrya japonica</i> , <i>Macrocarpium officinalis</i> , <i>Nephelium longana</i> , <i>N. lappaceum</i> , <i>Oxalis corriculaza</i> , <i>O. corymbosa</i> , <i>Prunus mume</i> , <i>Pyrrosia adnascens</i> , <i>Sonchus arvensis</i> , <i>S. oleraceus</i> , <i>Vitis amurensis</i> , <i>V. vinifera</i>
Taspine	<i>Caulophyllum robustum</i>
Taurine	<i>Gelidium amansii</i>
Taxettin	<i>Zephyranthes candida</i>
Taxifolin	<i>Pistacia lentiscus</i>
Taxinine E	<i>Taxus cuspidata</i> , <i>T. chinensis</i> , <i>T. yunnanensis</i>
Taxol	<i>Taxus cuspidata</i> , <i>T. chinensis</i> , <i>T. yunnanensis</i>
Tazettine	<i>Hippeastrum hybridum</i> , <i>Lycoris radiata</i> , <i>L. longituba</i> , <i>L. aura</i> , <i>Narcissus tazetta</i>
Tectoridin	<i>Belamcanda chinensis</i> , <i>B. panctata</i> , <i>Iris aqyatuca</i> , <i>I. buatatas</i> , <i>I. dichotoma</i>
Tenuidine	<i>Polygala japonica</i> , <i>P. sibirica</i> , <i>P. tatarinowii</i>
Tenuifolin	<i>Polygala japonica</i> , <i>P. sibirica</i> , <i>P. tatarinowii</i>
Tephrosin	<i>Tephrosia purpurea</i>
Teresantalic	<i>Santalum album</i> , <i>S. myrtifolium</i> , <i>S. verum</i>
Teresantalol	<i>Santalum album</i> , <i>S. myrtifolium</i> , <i>S. verum</i>
Terpene	<i>Amomum cardamomum</i> , <i>A. globosum</i> , <i>A. tsao-ko</i> , <i>A. illosum</i> , <i>A. xanthloides</i> , <i>Aquilegia buergeriana</i> , <i>A. parviflora</i> , <i>Artemisia brachyloba</i> , <i>Cyperus brevifolius</i> , <i>C. difformis</i> , <i>C. glomeratus</i> , <i>C. iria</i> , <i>C. rotundus</i> , <i>Elsholtzia argyi</i> , <i>E. cristata</i> , <i>E. splendens</i> , <i>E. feddei</i> , <i>E. souliei</i> , <i>Liquidambar acerifolia</i> , <i>L. formosana</i> , <i>L. maximowiczii</i> , <i>Rabdosia lasiocarpus</i>

Component	Source
Terpeneol	<i>Erigeron canadensis</i> , <i>E. annuus</i>
Terpenylacetate	<i>Vitex trifolia</i> , <i>V. rotundifolia</i>
Terpinen-4-ol	<i>Thymus vulgaris</i>
Terpinene	<i>Coriandrum sativum</i> , <i>Elettaria cardamomum</i> , <i>Juniperus rigida</i>
Terpinenol-4	<i>Artemisia argyi</i> , <i>A. halodendron</i> , <i>A. igniaria</i> , <i>A. indica</i> , <i>A. integrifolia</i> , <i>A. japonica</i> , <i>A. keiskeana</i> , <i>A. lagocephala</i> , <i>A. lavandulaefolia</i> , <i>A. scoparia</i> , <i>A. selengensis</i> , <i>A. sieversiana</i> , <i>A. vulgarts</i>
Terpineol	<i>Cunninghamia lanceolata</i> , <i>Dryobalanops aromatica</i> , <i>D. camphora</i> , <i>Elettaria cardamomum</i> , <i>Myristica fragrans</i> , <i>Piper cubeba</i>
Terpinol	<i>Melaleuca leucadendra</i>
Terpinolene	<i>Coriandrum sativum</i> , <i>Cryptotaenia japonica</i> , <i>C. canadensis</i> , <i>Oenothera javanica</i> , <i>Valeriana alternifolia</i> , <i>V. amurensis</i> , <i>V. fauriei</i> , <i>V. subbipinnatifolia</i>
Teteracyclic acid	<i>Rosa acicularis</i> , <i>R. amygdalifolia</i> , <i>R. davurica</i> , <i>R. davurica</i> , <i>R. koreana</i> , <i>R. laevigata</i> , <i>R. maximowicziana</i>
Tetra-hydrocannabinol	<i>Cannabis chinensis</i> , <i>C. sativa</i>
Tetraacetylbraziln	<i>Caesalpinia sappan</i>
Tetradecen-4-oic acid	<i>Lindera obtusiloba</i>
Tetragonin	<i>Tetragonia tetragonoides</i>
Tetrahydrocolumbamine	<i>Corydalis ambigua</i> , <i>C. repens</i> , <i>C. turtschaninovii</i> , <i>C. yanhusuo</i> , <i>C. ternata</i>
Tetrahydrocoptisine	<i>Corydalis ambigua</i> , <i>C. repens</i> , <i>C. turtschaninovii</i> , <i>C. yanhusuo</i> , <i>C. ternata</i>
Tetrahydroharman	<i>Elaeagnus pungens</i> , <i>E. umbellata</i>
Tetrahydroxy flavone	<i>Xanthium chinense</i> , <i>X. japonicum</i> , <i>X. mongolicum</i> , <i>X. sibiricum</i> , <i>X. strumarium</i>
Tetramethylpyrazine	<i>Ligusticum chuanziang</i>
Tetramethylpyrazinesteroids	<i>Jatropha podagrica</i>
Tetrandrine	<i>Menispermum dauricum</i>
Tetulinic acid	<i>Scopalia dulcis</i>
Thalfoetidine	<i>Thalictrum aquilegifolium</i> , <i>T. baicalense</i> , <i>T. fauriei</i> , <i>T. foetidum</i> , <i>T. petaloideum</i> , <i>T. simplex</i> , <i>T. squarrosum</i> , <i>T. thunbergii</i>
Thalicarpine	<i>T. halictrum</i> , <i>T. ichangense</i> , <i>T. glandulissimum</i>
Thalidasine	<i>T. halictrum</i> , <i>T. ichangense</i> , <i>T. glandulissimum</i>
Thalidezine.BP	<i>Thalictrum aquilegifolium</i> , <i>T. baicalense</i> , <i>T. fauriei</i> , <i>T. petaloideum</i> , <i>T. simplex</i> , <i>T. squarrosum</i> , <i>T. thunbergii</i>

Thalphinine	<i>Thalictrum aquilegifolium</i> , <i>T. baicalense</i> , <i>T. fauriei</i> , <i>T. foetidum</i> , <i>T. petaloideum</i> , <i>T. simplex</i> , <i>T. squarrosum</i> , <i>T. thunbergii</i>
Thalpine	<i>Thalictrum aquilegifolium</i> , <i>T. baicalense</i> , <i>T. fauriei</i> , <i>T. foetidum</i> , <i>T. petaloideum</i> , <i>T. simplex</i> , <i>T. squarrosum</i> , <i>T. thunbergii</i>
Theasaponin	<i>Camellia japonica</i>
Thebaine	<i>Papaver somniferum</i>
Thelic simidine	<i>Thalictrum aquilegifolium</i> , <i>T. baicalense</i> , <i>T. fauriei</i> , <i>T. petaloideum</i> , <i>T. simplex</i> , <i>T. squarrosum</i> , <i>T. thunbergii</i>
Theobromine	<i>Thea assamica</i> , <i>T. bohea</i> , <i>T. cantoniensis</i> , <i>T. chinensis</i> , <i>T. cochinchinensis</i> , <i>T. sinensis</i> , <i>T. viridis</i>
Theophylline	<i>Thea assamica</i> , <i>T. bohea</i> , <i>T. cantoniensis</i> , <i>T. chinensis</i> , <i>T. cochinchinensis</i> , <i>T. sinensis</i> , <i>T. viridis</i>
Theronine	<i>Litchi chinensis</i>
Theveside	<i>Thevetia peruviana</i>
Thevetin A	<i>Thevetia peruviana</i>
Thevetin B	<i>Thevetia peruviana</i>
Theviridoside	<i>Thevetia peruviana</i>
Thiamine	<i>Achyranthes asperia</i> , <i>Aleurites moluccana</i> , <i>Alpinia katsumadai</i> , <i>A. globosum</i> , <i>A. kumatake</i> , <i>Amaranthus lividus</i> , <i>A. blitum</i> , <i>A. tricolor</i> , <i>A. viridis</i> , <i>Arachis hypogaea</i> , <i>Benincasa cerifera</i> , <i>B. hispida</i> , <i>Boehmeria densiflora</i> , <i>Canarium album</i> , <i>C. sinense</i> , <i>Castanea crenata</i> , <i>C. mollissima</i> , <i>Corylus heterophylla</i> , <i>C. mandshurica</i> , <i>Glycine max</i> , <i>G. soja</i> , <i>Hibiscus rosa-sinensis</i> , <i>H. rhombifolius</i> , <i>Lycopersicon esculentum</i> , <i>Petasites japonicus</i> , <i>Zea mays</i>
Threonin	<i>Avena fatua</i>
Threonine	<i>Oryza sativa</i>
Thujone	<i>Biota chinensis</i> , <i>B. orientalis</i> , <i>Elettaria cardamomum</i> , <i>Thuja koraiensis</i> , <i>T. orientalis</i> , <i>T. chinensis</i>
Thymol	<i>Eucalyptus robusta</i> , <i>Thymus amurensis</i> , <i>T. disjunctus</i> , <i>T. kitagawianus</i> , <i>T. komarovii</i> , <i>T. przewalskii</i> , <i>T. quinquecostatus</i>
Tienmulilmine	<i>Veratrum dahuricum</i> , <i>V. maackii</i> , <i>V. nigrum</i>
Tienmulilminine	<i>Veratrum dahuricum</i> , <i>V. maackii</i> , <i>V. nigrum</i>
Tiglic acid	<i>Angelica pubescens</i> , <i>Ajuga bracteosa</i> , <i>Matricaria chamomilla</i>
Tigloidine	<i>Physalis alkekengi</i>
Tigogenin	<i>Costus speciosus</i> , <i>Smilax china</i> , <i>S. nipponica</i> , <i>S. sieboldii</i> , <i>S. riparia</i>

Component	Source
Tirucalloi	<i>Euphorbia kansui</i>
Tithymalin	<i>Euphorbia esula</i> , <i>E. helioscopia</i>
Tocopherol	<i>Calendula officinalis</i>
Tohogenol	<i>Lycopodium annotinum</i> , <i>L. cernum</i> , <i>L. compianatum</i>
Tomentogenin	<i>Cynanchum paniculatum</i> .
Toosendanin	<i>Melia japonica</i> , <i>M. toosendan</i> , <i>M. azedarach</i>
Toralacton	<i>Cassia nomame</i> , <i>C. obtusifolia</i> , <i>C. tora</i>
Torosachryson	<i>Cassia occidentalis</i> , <i>C. torosa</i>
Totarol	<i>Podocarpus macrophyllus</i>
Tracheloside	<i>Trachelospermum jasminoides</i>
<i>trans</i> - β -farnesene	<i>Artemisia lactiflora</i>
<i>trans</i> -aconitic acid	<i>Actaea asiatica</i>
<i>trans</i> -beta-ocimene	<i>Cryptotaenia japonica</i> , <i>C. canadensis</i>
<i>trans</i> -caryophyllene	<i>Artemisia lactiflora</i>
Trehalose	<i>Selaginella involvens</i> , <i>S. doederleinii</i> , <i>S. tamarisina</i>
Tremulacin	<i>Populus alba</i> , <i>P. davidiana</i> , <i>P. tomentosa</i>
Triboline	<i>Cocculus laurifolius</i> , <i>C. sarmentosus</i> , <i>C. trilobus</i>
Trichosanthin	<i>Trichosanthes kirilowii</i> , <i>T. uniflora</i>
Tricin	<i>Medicago falcata</i> , <i>M. lupulina</i> , <i>M. polymorpha</i> , <i>M. ruthenica</i> , <i>M. sativa</i>
Tricycloekasantal	<i>Santalum album</i> , <i>S. myrtifolium</i> , <i>S. verum</i>
Trifolin	<i>Campanula glomerata</i> , <i>C. punctata</i> , <i>Melochia corchonfolia</i>
Trifolioside	<i>Menyanthes trifoliata</i>
Trifolirhizin	<i>Sophora alopecuroides</i> , <i>S. flavescens</i>
Triglyceride	<i>Livistona chinensis</i>
Trigonelline	<i>Abrus precatorius</i> , <i>Avena fatua</i> , <i>Cannabis chinensis</i> , <i>C. sativa</i> , <i>Dictamnus albus</i> , <i>D. dasycarpus</i> , <i>Quisqualis grandiflora</i> , <i>Q. indica</i> , <i>Q. longifolia</i> , <i>Q. loureiri</i> , <i>Q. pubescens</i> , <i>Q. sinensis</i> , <i>Solanum lyratum</i> , <i>S. melongena</i> , <i>Tetragonia tetragonoides</i> , <i>Trigonella foenum-graecum</i>
Trihydroxytriptolide	<i>Tripterygium wilfordi</i>
Trillarin	<i>Trillium camschatcense</i>

Trillin	<i>Dioscorea nipponica, Trillium camschatcense</i>
Trilobamine	<i>Cocculus laurifolius, C. sarmentosus, C. trilobus</i>
Tripchilorolide	<i>Tripterygium wilfordii</i>
Tripeptide	<i>Juncus effusus</i>
Triptein	<i>Tripterygium wilfordii</i>
Triptolide	<i>Tripterygium hypoglaucum, T. wilfordii</i>
Tripdiolide	<i>Tripterygium wilfordi</i>
Tripdioltonide	<i>Tripterygium wilfordi</i>
Triptolidenol	<i>Tripterygium wilfordi</i>
Triptonide	<i>Tripterygium wilfordi</i>
Triptophenolide	<i>Tripterygium wilfordii</i>
Triterpene acid	<i>Rosa acicularis, R. amygdalifolia, R. davurica, R. koreana, R. laevigata, R. maximowicziana</i>
Triterpene glycosides	<i>Acanthopanax giraldii, Sesbinia sesbin</i>
Triterpenes	<i>Alisma orientalis, Artocarpus altilis, Sedum formosanum</i>
Triterpenoid saponins	<i>Bupleurum chinense, B. falcatum, B. scorzoneraefolium, Glycyrrhiza pallidiflora, G. uralensis</i>
Triterpenoids	<i>Clematis armandii, C. heracleifolia, Ganoderma lucidum, Mussaenda parviflora, Panax ginseng, Pulsatilla chinensis, Vernonia andersonii, V. cinerea, V. patula</i>
Tryptanthrin	<i>Baphicanthus cusia, Clerodendrum cyrtophyllum</i>
Tryptophane	<i>Dolichos lablab, Oryza sativa</i>
Tsudzuic acid	<i>Lindera obtusiloba</i>
Tubulosine	<i>Alangium lamareckii</i>
Tuduranine	<i>Cocculus diversifolius, C. thunbergii, Sinomenium acutum, Stephania sinica</i>
Tumulosic acid	<i>Poria cocos</i>
Turmerone	<i>Curcuma aromatica, C. kwangsiensis, C. zedoaria</i>
Tymol	<i>Thymus vulgaris</i>
Tyramine	<i>Viscum album</i>
Tyrosine	<i>Dioscorea opposita, Dolichos lablab, Ficus carica, Oryza sativa, Typhonium giganteum</i>
Ucarvone	<i>Asarum canadense, A. heterotropoides, A. sieboldii</i>
Ugenol	<i>Eugenia aromatica, E. caryophyllata, E. ulmoides</i>

Component	Source
Umbelliferone	<i>Angelica decursiva</i> , <i>A. pubescens</i> , <i>Artemisia gmelini</i> , <i>Bidens tripartita</i> , <i>Caltha palustris</i> , <i>Carum carvi</i> , <i>Coriandrum sativum</i> , <i>Daucus carota</i> , <i>Melilotus alba</i> , <i>M. suaveolens</i> , <i>M. indica</i> , <i>Peucedanum japonicum</i> , <i>P. praeruptorum</i> , <i>P. rubricaulis</i>
Umbelliprenin	<i>Anethum graveoleus</i> , <i>Angelica decursiva</i>
Unsaturated acids	<i>Viola acuminata</i> , <i>V. alisoviana</i> , <i>V. collina</i> , <i>V. dissecta</i> , <i>V. mandshurica</i> , <i>V. patrini</i> , <i>V. prionantha</i> , <i>V. verecunda</i>
Uracil	<i>Angelica polymorpha</i> , <i>A. sinensis</i> , <i>Typhonium giganteum</i>
Urbenine	<i>Coptis chinensis</i> , <i>C. japonica</i> , <i>C. teeta</i>
Urea	<i>Castanea crenata</i> , <i>C. mollissima</i> , <i>Portulaca pilosa</i>
Urease	<i>Canavalia gladiata</i> , <i>C. ensiformis</i> , <i>Ficus carica</i> , <i>Fagopyrum esculentum</i> , <i>F. sagittatum</i>
Uronic acid	<i>Abutilon avicennae</i> , <i>A. theophrasti</i> , <i>Tamarindus indicus</i>
Ursolic acid	<i>Anredera cordifolia</i> , <i>Chimaphila umbellata</i> , <i>Clinopodium chinense</i> , <i>C. polycephalum</i> , <i>C. gracile</i> , <i>C. umbrosum</i> , <i>Crataegus cuneata</i> , <i>C. chlorusarca</i> , <i>C. dahurica</i> , <i>C. maximowiczii</i> , <i>C. pentagyna</i> , <i>C. pinnatifida</i> , <i>C. sanguinea</i> , <i>Cynomorium coccineum</i> , <i>C. songarium</i> , <i>Ilex chinensis</i> , <i>I. pubescens</i> , <i>Ligustrum lucidum</i> , <i>L. japonicum</i> , <i>Melaleuca leucadendra</i> , <i>Nerum indicum</i> , <i>Oldenlandia chrysotricha</i> , <i>O. corymbosa</i> , <i>O. diffusa</i> , <i>Plantago asiatica</i> , <i>P. depressa</i> , <i>P. exaltata</i> , <i>P. loureiri</i> , <i>P. major</i> , <i>Prunella</i> <i>vulgaris</i> , <i>Punica granatam</i> , <i>Rubus coreanus</i> , <i>R. crataegifolius</i> , <i>R. matsumuranus</i> , <i>R. saxatilis</i> , <i>Solanum</i> <i>incanum</i> , <i>Thymus amurensis</i> , <i>T. disjunctus</i> , <i>T. kitagawianus</i> , <i>T. komarovii</i> , <i>T. przewalskii</i> , <i>T.</i> <i>quinquecostatus</i>
Ursone	<i>Vaccinium bracteatum</i> , <i>V. vitis-idaea</i>
Usaramine	<i>Crotalaria mucronata</i>
Ushinsunine	<i>Michelia alba</i> , <i>M. figo</i>
Usigtoercin	<i>Hypericum perforatum</i>
Uronic acid	<i>Usnea diffracta</i> , <i>U. longissima</i>
Uvaol	<i>Osmanthus fragrans</i>
Vaccarin	<i>Vaccaria segetalis</i> , <i>V. pyramidata</i>
Vaccaroside	<i>Vaccaria segetalis</i> , <i>V. pyramidata</i>
Valeraldehyde	<i>Melaleuca leucadendra</i>
Valerenone	<i>Valeriana alternifolia</i> , <i>V. amurensis</i> , <i>V. fauriei</i> , <i>V. subbipinnatifolia</i>

Valerianic acid	<i>Melia japonica</i> , <i>M. toosendan</i> , <i>M. azedarach</i>
Valerianol	<i>Valeriana alternifolia</i> , <i>V. amurensis</i> , <i>V. fauriei</i> , <i>V. subbipinnatifolia</i>
Valeric acid	<i>Luffa aegyptiaca</i> , <i>L. cylindrica</i> , <i>L. faetida</i> , <i>L. petola</i>
Valine	<i>Linum stelleroides</i> , <i>L. usitatissimum</i> , <i>Litchi chinensis</i> , <i>Oryza sativa</i> , <i>Typhonium giganteum</i>
Vallarine	<i>Centella asiatica</i>
Vanillic acid	<i>Ailanthus altissima</i> , <i>Lycopodium clavatum</i> , <i>L. obscurum</i> , <i>L. selago</i> , <i>L. serratum</i> , <i>Matteuccia struthiopteris</i> , <i>Picrorhiza kurroa</i> , <i>Rhododendron mucronatum</i>
Vanillin	<i>Ferula assa-foetida</i> , <i>F. bungeana</i> , <i>Gastrodia elata</i> , <i>Styrax tonkinensis</i> , <i>S. benzoin</i>
Vanillyl alcohol	<i>Gastrodia elata</i>
Vellosimine	<i>Rauvolfia verticillata</i>
Venoterpine	<i>Camptotheca acuminata</i>
Veratramine	<i>Veratrum formosanum</i>
Veratrine alkaloids	<i>Rhododendron sinensis</i>
Verbenalin	<i>Verbena officinalis</i> , <i>V. oxysepalum</i>
Verbenalol	<i>Verbena officinalis</i> , <i>V. oxysepalum</i>
Veronicastroside	<i>Veronica sibirica</i> , <i>V. undulata</i>
Vertiaflavone	<i>Thevetia peruviana</i>
Verticine	<i>Fritillaria anheunensis</i> , <i>F. collicola</i> , <i>F. maximowiczii</i> , <i>F. roylei</i> , <i>F. thunbergii</i> , <i>F. ussuriensis</i> , <i>F. verticillata</i>
Verticinine	<i>Fritillaria anheunensis</i> , <i>F. collicola</i> , <i>F. maximowiczii</i> , <i>F. roylei</i> , <i>F. thunbergii</i> , <i>F. ussuriensis</i> , <i>F. verticillata</i>
Vilmorrianines	<i>Aconitum barbatum</i> , <i>A. austroyunnanense</i>
Vinblastine	<i>Catharanthus roseus</i>
Vincristine	<i>Catharanthus roseus</i>
Vindolinine	<i>Catharanthus roseus</i>
Vinrosidine	<i>Catharanthus roseus</i>
Violaxanthin	<i>Calendula officinalis</i> , <i>Rumex acetosa</i> , <i>R. acetosella</i> , <i>R. amurensis</i> , <i>R. aquaticus</i> , <i>R. gmelini</i> , <i>R. longifolius</i> , <i>R. maritimus</i> , <i>R. marschallianus</i> , <i>R. stenophyllus</i> , <i>R. thyrsoiflorus</i> , <i>Taraxacum mongolicum</i> , <i>T. sinicum</i>
Viroallosecurinine	<i>Securinega virosa</i>
Virosecurinin	<i>Securinega virosa</i>
Virosine	<i>Securinega virosa</i>

Component	Source
Vitamin A	<i>Acanthopanax gracilistylus</i> , <i>A. spinosum</i> , <i>Capsella bursa-pastoris</i> , <i>Citrus deliciosa</i> , <i>C. nobilis</i> , <i>Gastrodia elata</i> , <i>Leonurus heterophyllus</i> , <i>L. japonicus</i> , <i>L. macranthus</i> , <i>L. mongolicus</i> , <i>L. pseudo-macranthus</i> , <i>Litchi chinensis</i> , <i>Luffa aegyptiaca</i> , <i>L. cylindrica</i> , <i>L. faetida</i> , <i>L. petola</i> , <i>Lycopersicon esculentum</i> , <i>Nephelium longana</i> , <i>N. lappaceum</i> , <i>Phaseolus angularis</i> , <i>P. lunatus</i> , <i>P. radiatus</i> , <i>P. vulgaris</i> , <i>Portulaca oleracea</i> , <i>Sesamum indicum</i> , <i>Taraxacum officinale</i> , <i>Triticum vulgare</i>
Vitamin B	<i>Actinidia arguta</i> , <i>A. chinensis</i> , <i>A. japonica</i> , <i>A. kolomikta</i> , <i>A. polygama</i> , <i>Citrus deliciosa</i> , <i>C. nobilis</i> , <i>Hordeum vulgare</i> , <i>Litchi chinensis</i> , <i>Luffa aegyptiaca</i> , <i>L. cylindrica</i> , <i>L. faetida</i> , <i>L. petola</i> , <i>Nephelium longana</i> , <i>N. lappaceum</i> , <i>Phaseolus angularis</i> , <i>P. lunatus</i> , <i>P. radiatus</i> , <i>P. vulgaris</i> , <i>Portulaca oleracea</i> , <i>Sagittardia sagittifolia</i> , <i>Sesamum indicum</i> , <i>Tamarindus indicus</i> , <i>T. officinale</i> , <i>Triticum vulgare</i>
Vitamin B ₁	<i>Cannabis chinensis</i> , <i>C. sativa</i> , <i>Gnaphalium affine</i> , <i>G. arenarium</i> , <i>G. confusum</i> , <i>G. javanum</i> , <i>G. luteo-album</i> , <i>G. multiceps</i> , <i>G. ramigerum</i> , <i>G. tranzschelii</i> , <i>G. uliginosum</i>
Vitamin B ₂	<i>Cannabis chinensis</i> , <i>C. sativa</i> , <i>Phaseolus angularis</i> , <i>P. lunatus</i> , <i>P. radiatus</i> , <i>P. vulgaris</i>
Vitamin B ₁₂	<i>Angelica polymorpha</i> , <i>A. sinensis</i>
Vitamin C	<i>Actinidia arguta</i> , <i>A. chinensis</i> , <i>A. japonica</i> , <i>A. kolomikta</i> , <i>A. polygama</i> , <i>Agrimonia eupatoria</i> , <i>A. pilosa</i> , <i>A. viscidula</i> , <i>Blumea lacera</i> , <i>Chaenomeles japonica</i> , <i>C. sinensis</i> , <i>C. speciosa</i> , <i>Citrus deliciosa</i> , <i>C. nobilis</i> , <i>Cydonia sinensis</i> , <i>Cypripedium guttatum</i> , <i>C. macranthum</i> , <i>C. pubescens</i> , <i>Euphorbia coraroides</i> , <i>E. lasiocaula</i> , <i>E. lunulata</i> , <i>E. pallasii</i> , <i>E. pekinensis</i> , <i>E. sampsoni</i> , <i>E. sieboldiana</i> , <i>Fortunella crassifolia</i> , <i>F. japonica</i> , <i>F. margarita</i> , <i>Hieracium umbellatum</i> , <i>Hippophae rhamnoides</i> , <i>Hordeum vulgare</i> , <i>Litchi chinensis</i> , <i>Luffa aegyptiaca</i> , <i>L. cylindrica</i> , <i>L. faetida</i> , <i>L. petola</i> , <i>Lycium barbarum</i> , <i>L. megistocarpum</i> , <i>L. ovatum</i> , <i>L. trewianum</i> , <i>L. turbinatum</i> , <i>Oxalis corriculaza</i> , <i>O. corymbosa</i> , <i>Phyllanthus emblica</i> , <i>P. virgatus</i> , <i>Rumex acetosa</i> , <i>R. acetosella</i> , <i>R. amurensis</i> , <i>R. aquaticus</i> , <i>R. gmelini</i> , <i>R. longifolius</i> , <i>R. maritimus</i> , <i>R. marschallianus</i> , <i>R. stenophyllus</i> , <i>R. thyrsoflorus</i> , <i>Solanum nigrum</i> , <i>Spiraea salicifolia</i> , <i>Taraxacum officinale</i> , <i>Viscum album</i> , <i>V. coloratum</i>
Vitamin E	<i>Angelica polymorpha</i> , <i>A. sinensis</i> , <i>Hippophae rhamnoides</i> , <i>Lactuca raddeana</i> , <i>L. indica</i> , <i>L. sativa</i> , <i>Polygonum aviculare</i> , <i>P. lapidosa</i> , <i>P. manshuriensis</i> , <i>P. vivipara</i> , <i>Triticum vulgare</i> , <i>Viscum album</i> , <i>V. coloratum</i>
Vitamin G	<i>Triticum vulgare</i>
Vitamin K	<i>Agrimonia eupatoria</i> , <i>A. pilosa</i> , <i>A. viscidula</i>
Vitamins	<i>Amaranthus lividus</i> , <i>A. blitum</i> , <i>A. viridis</i> , <i>Ananas comosus</i> , <i>Juncus effusus</i> , <i>Lemnaphyllum microphyllum</i> , <i>Rosa acicularis</i> , <i>R. amygdalifolia</i> , <i>R. davurica</i> , <i>R. koreana</i> , <i>R. laevigata</i> , <i>R. maximowicziana</i>

Vitex	<i>Trigonella foenum-graecum</i>
Vitexicarpin	<i>Vitex trifolia</i> , <i>V. rotundifolia</i>
Vitexin	<i>Crotalaria mucronata</i> , <i>Fagopyrum esculentum</i> , <i>F. sagittatum</i> , <i>Hibiscus sabdariffa</i> , <i>Jatropha podagrica</i> , <i>Lythrum salicaria</i> , <i>Persicaria orientalis</i> , <i>Polygonum orientale</i> , <i>Rumex acetosa</i> , <i>R. acetosella</i> , <i>R. amurensis</i> , <i>R. aquaticus</i> , <i>R. gmelini</i> , <i>R. longifolius</i> , <i>R. maritimus</i> , <i>R. marschallianus</i> , <i>R. stenophyllus</i> , <i>R. thyrsoiflorus</i> , <i>Uraria crinita</i> , <i>U. lagopodiodes</i> , <i>Zanthoxylum nitidum</i>
Vitexin cycloartenol	<i>Linum stelleroides</i> , <i>L. usitatissimum</i>
Vitexin-7-glucoside	<i>Trigonella foenum-graecum</i>
Vitexin-7-0-glucoside	<i>Uraria crinita</i> , <i>U. lagopodiodes</i>
Vitrexin-4-O-xyloside	<i>Crotalaria mucronata</i>
Vitricine	<i>Vitex trifolia</i> , <i>V. rotundifolia</i>
Volatile carbonyl	<i>Ranunculus ternatus</i>
Volatile oil	<i>Caesalpinia decapetula</i> , <i>Chenopodium ambrosioides</i> , <i>Cleome spinosa</i> , <i>C. gynandra</i> , <i>C. viscosa</i> , <i>Curcuma pallida</i> , <i>C. phaeocoulis</i> , <i>Duchesnea indica</i> , <i>Eupatorium chinense</i> , <i>E. lindleyanum</i> , <i>E. japonicum</i> , <i>Gardenia angusta</i> , <i>G. jasminoides</i> , <i>Matnolia grandiflora</i> , <i>Matricaria chamomilla</i> , <i>Piper longum</i> , <i>Thymus amurensis</i> , <i>T. disjunctus</i> , <i>T. kitagawianus</i> , <i>T. komarovii</i> , <i>T. przewalskii</i> , <i>T. quinquecostatus</i>
Volatile phenols	<i>Ranunculus ternatus</i>
Vomicine	<i>Strychnos pierriana</i>
Vomifliol	<i>Ilex pubescens</i>
Wedolactone	<i>Eclipta erecta</i>
Wikstroemin	<i>Wikstroemia indica</i>
Wilfordine	<i>Euonymus alatus</i> , <i>E. bungeanus</i> , <i>E. maackii</i> , <i>Tripterygium wilfordii</i>
Wilsonine	<i>Cephalotaxus fortunei</i> , <i>C. qinensis</i> , <i>C. oliveri</i> , <i>C. wilsoniana</i>
Wognoside	<i>Scutellaria baicalensis</i> , <i>S. grandiflora</i> , <i>S. lanceolaria</i> , <i>S. macrantha</i> , <i>S. rivulararis</i> , <i>S. viscidula</i>
Wogonin	<i>Scutellaria baicalensis</i> , <i>S. grandiflora</i> , <i>S. lanceolaria</i> , <i>S. macrantha</i> , <i>S. rivulararis</i> , <i>S. viscidula</i>
Woodorin	<i>Woodwardia japonica</i>
Woodwardic acid	<i>Woodwardia japonica</i>
Worenine	<i>Coptis chinensis</i> , <i>C. japonica</i> , <i>C. teeta</i>
Xanthine	<i>Thea assamica</i> , <i>T. bohea</i> , <i>T. cantoniensis</i> , <i>T. chinensis</i> , <i>T. cochinchinensis</i> , <i>T. sinensis</i> , <i>T. viridis</i>
Xanthanol	<i>Xanthium chinense</i> , <i>X. japonicum</i> , <i>X. mongolicum</i> , <i>X. sibiricum</i> , <i>X. strumarium</i>

Component	Source
Xanthinin	<i>Xanthium chinense</i> , <i>X. japonicum</i> , <i>X. mongolicum</i> , <i>X. sibiricum</i> , <i>X. strumarium</i>
Xanthoagathin	<i>Sesbinia grandiflora</i>
Xanthophyllepoxyl	<i>Avena fatua</i> , <i>Caltha palustris</i>
Xanthoplanine	<i>Zanthoxylum schinifolium</i>
Xanthorin	<i>Cassia occidentalis</i> , <i>C. torosa</i>
Xanthotoxine	<i>Angelica amurensis</i> , <i>A. anomala</i> , <i>A. dahurica</i> , <i>Heracleum lanatum</i> ,
Xanthoxylene	<i>Zanthoxylum schinifolium</i>
Xanthoxylin	<i>Sepium sebiferum</i> , <i>S. discolor</i>
Xanthoxylinin	<i>Xanthoxylum piperitum</i>
Xanthumín	<i>Xanthium chinense</i> , <i>X. japonicum</i> , <i>X. mongolicum</i> , <i>X. sibiricum</i> , <i>X. strumarium</i>
Xylopurarin	<i>Pueraria lobata</i> , <i>P. pseudo-hirsuta</i>
Xylose	<i>Juncus communis</i> , <i>Luffa aegyptiaca</i> , <i>L. cylindrica</i> , <i>L. faetida</i> , <i>L. petola</i> , <i>Tamarindus indicus</i>
Y-sitosterol	<i>Ajuga bracteosa</i>
Yatanoside	<i>Brucea javanica</i> , <i>B. sumatrana</i>
Yejuhualactone	<i>Chrysanthemum boreale</i> , <i>C. indicum</i> , <i>C. lavandulaefolium</i> , <i>C. procumbens</i> , <i>C. tripartium</i>
Ylangene	<i>Eugenia aromatica</i> , <i>E. caryophyllata</i> , <i>E. ulmoides</i>
Yuanhuacine	<i>Daphne fortunei</i> , <i>D. genkwa</i>
Yuanhuafine	<i>Daphne fortunei</i> , <i>D. genkwa</i>
Yuanhuatine	<i>Daphne fortunei</i> , <i>D. genkwa</i>
Yunnanxana	<i>Taxus cuspidata</i> , <i>T. chinensis</i> , <i>T. yunnanensis</i>
Z-guggulsterol	<i>Commiphora myrrha</i>
Zanthaline	<i>Papaver somniferum</i>
Zeaxanthin	<i>Lycium barbarum</i> , <i>L. megistocarpum</i> , <i>L. ovatum</i> , <i>L. trewianum</i> , <i>L. turbinatum</i> , <i>Physalis alkekengi</i> , <i>Taraxacum mongolicum</i> , <i>T. sinicum</i>
Zederone	<i>Curcuma aromatica</i> , <i>C. kwangsiensis</i> , <i>C. longa</i> , <i>C. zedoaria</i>
Zedoarin	<i>Curcuma pallida</i> , <i>C. phaeocoulis</i>
Zerumbone	<i>Curcuma zedoaria</i> , <i>C. aromatica</i> , <i>C. kwangsiensis</i> , <i>Zingiber zerumbet</i>
Zerumbone epoxide	<i>Zingiber zerumbet</i>
Zi Yu glucoside I	<i>Sanguisorba officinalis</i> , <i>S. grandiflora</i> , <i>S. parviflora</i> , <i>S. x tenuifolia</i>

Zi Yu glucoside II
Zingiberene

Zingiberol
Zygadenine

Sanguisorba officinalis, *S. grandiflora*, *S. parviflora*, *S. x tenuifolia*
Alpinia oxyphylla, *A. speciosa*, *Curcuma aromatica*, *C. kwangsiensis*, *C. pallida*, *C. phaeocoulis*,
C. zedoaria, *Thymus amurensis*, *T. disjunctus*, *T. kitagawianus*, *T. komarovii*, *T. przewalskii*,
T. quinquecostatus, *Zingiber officinale*
Alpinia oxyphylla, *A. speciosa*, *Zingiber officinale*
Veratrum dahuricum, *V. maackii*, *V. nigrum*

APPENDIX 3

Major Chemical Components and Their Sources in Related North American Medicinal Herbs

Component	Source
1, 8-dihydroxy-anthracene derivatives	<i>Aloe barbadensis</i> , <i>A. vera</i>
2-(6'-cinnamoyl) glucosido-	<i>Silene ocaulis</i> , <i>S. virginica</i>
2- β -glucuronosyl	<i>Glycyrrhiza glabra</i>
2-3,4-dihydroxyphenyl-ethanol	<i>Jasaminum grandiflorum</i> , <i>J. officinale</i>
2-methoxy-1,4-naphthoquinone	<i>Impatiens balsamina</i>
2-vinyl-4H-1,3-dithin	<i>Allium sativum</i> , <i>A. fistulosum</i> , <i>A. tuberosum</i>
22-dihydrospinasterol	<i>Silene ocaulis</i> , <i>S. virginica</i>
2,5-dimethoxypara-quinone	<i>Phragmites australis</i>
3-0-glucoside	<i>Platycladus occidentalis</i>
3-n-pentadecylcatechol	<i>Rhus radicans</i> , <i>R. glabra</i> , <i>R. toxicodendron</i>
3-O- β -D-glucuronide	<i>Chamaenerion angustifolium</i> , <i>Epilobium angustifolium</i>
4'-0-methylpyridoxine	<i>Ginkgo biloba</i>
4-hydroxybenzaldehyde	<i>Phragmites australis</i>
4-hydroxycinnamic acid	<i>Phragmites australis</i>
Aabrin	<i>Abrus precatorius</i>
Ascorbic acid	<i>Rubus chamaemorus</i>
Abrin	<i>Abrus precatorius</i>
Abrotamine	<i>Artemisia annua</i>
Absinthol	<i>Artemisia absinthium</i>
Acalyphine	<i>Acalypha indica</i>
Acetopenone glucoside	<i>Veronica officinalis</i>
Acetyl harpagide	<i>Scrophularia ningpoensis</i>
Acetylated alkaloids	<i>Narcissus tazetta</i>
Acetylcholine	<i>Capsella bursa-pastoris</i> , <i>Thlaspi arvense</i> , <i>Viscum album</i>
Acetylenes	<i>Bidens tripartita</i> , <i>B. connata</i>
Acetylenic compounds	<i>Panax quinquefolium</i> , <i>P. ginseng</i>
Acetylinic	<i>Pimpinella anisum</i>
Achilleine	<i>Achillea millefolium</i>
Acidic polysaccharides	<i>Commiphora myrrha</i> , <i>C. molmol</i>

Aconitine	<i>Aconitum napellus</i> , <i>A. carmichaelii</i>
Acoric acid	<i>Acorus calamus</i> , <i>A. gramineus</i>
Acrylic acid	<i>Ananas comosus</i>
Actein	<i>Cimicifuga racemosa</i> , <i>C. foetida</i>
Actinidine	<i>Actinidia polygama</i>
Acutomidine	<i>Menispermum canadense</i>
Acutumine	<i>Menispermum canadense</i>
Adiantone	<i>Adiantum capillus-junonis</i>
Adonitoxin	<i>Adonis vernalis</i>
Aescin	<i>Aesculus hippocastanum</i>
Afzelechin	<i>Platycladus occidentalis</i>
Agaropectin	<i>Gelidium cartilagineum</i>
Agarose	<i>Gelidium cartilagineum</i>
Aglycone	<i>Hedera helix</i>
Agnuside	<i>Vitex labrusca</i> , <i>V. agnus-castus</i>
Ailanthone	<i>Ailanthus altissima</i> , <i>A. glandulosa</i>
Ajmaline	<i>Rauwolfia serpentina</i>
Ajoene	<i>Allium sativum</i> , <i>A. fistulosum</i> , <i>A. tuberosum</i>
Albiflorin	<i>Paeonia albiflora</i> , <i>P. lactiflora</i>
Albumin	<i>Papaver somniferum</i>
Albuminoides	<i>Dioscorea opposita</i>
Aldehyde antioxine	<i>Perilla frutescens</i>
Aldehydes	<i>Catharanthus roseus</i>
Alkaloid lamine	<i>Dipsacus asper</i>
Alkaloids	<i>Ailanthus altissima</i> , <i>A. glandulosa</i> , <i>Alstonia scholaris</i> , <i>Catharanthus roseus</i> , <i>Desmodium gangeticum</i> , <i>Ephedra distachya</i> , <i>Fritillaria verticillata</i> , <i>Justicia adhatoda</i> , <i>Lobelia siphilitica</i> , <i>Medicago sativa</i> , <i>Nicotiana tabacum</i> , <i>Pedicularis palustris</i> , <i>P. canadensis</i> , <i>Physalis alkekengi</i> , <i>P. franchetti</i> , <i>P. pubescens</i> , <i>Picrasma excelsa</i> , <i>Swertia chirata</i> , <i>Valeriana officinalis</i> , <i>Veratrum viride</i> , <i>Verbena officinalis</i> , <i>Viscum album</i>
Alkanes	<i>Aspidium filix-mis</i> , <i>Dryopteris filix-mas</i> , <i>D. filix-mas</i> , <i>Euphorbia hirta</i> , <i>Galium verum</i>

Component	Source
Alkenyl	<i>Codonopsis pilosula</i> , <i>C. tangshen</i>
Alkenyl glycoside	<i>Codonopsis pilosula</i> , <i>C. tangshen</i>
Allantoin	<i>Phaseolus vulgaris</i>
Alliin	<i>Allium sativum</i> , <i>A. fistulosum</i> , <i>A. tuberosum</i>
Allocryptopine	<i>Chelidonium majus</i>
Allomatatabiol	<i>Actinidia polygama</i>
Alnulin	<i>Alnus crispus</i> , <i>A. glutinosa</i>
Aloe-emodin	<i>Cassia angustifolia</i> , <i>C. senna</i>
Aloeresins	<i>Aloe barbadensis</i> , <i>A. vera</i>
Aloesin glycone	<i>Aloe barbadensis</i> , <i>A. vera</i>
Aloesone	<i>Aloe barbadensis</i> , <i>A. vera</i>
Aloin isobarbaloin	<i>Aloe barbadensis</i> , <i>A. vera</i>
Alpha-acid	<i>Humulus lupulus</i>
Alpha-bisabolol	<i>Matricaria chamomilla</i>
Alpha-masticoresin	<i>Pistacia lentiscus</i>
Alpha-phytosterol	<i>Iris versicolor</i> , <i>Iris pseudacorus</i>
Alpha-pinene	<i>Alpinia galanga</i> , <i>Coriandrum sativum</i> , <i>Juniperus rigida</i> , <i>Perilla frutescens</i> , <i>Pinus sylvestris</i> , <i>P. albicaulis</i> , <i>P. contorta</i> , <i>P. mugo</i> , <i>P. palustris</i> , <i>P. strobus</i> , <i>Pistacia lentiscus</i>
Alpha-spinasterol	<i>Impatiens pallida</i> , <i>I. capensis</i>
Alpha-terpineol	<i>Melaleuca leucadendra</i>
Alpha-terthienylmethanol	<i>Eclipta alba</i> , <i>E. prostrata</i>
Alpha-thujone	<i>Biota orientalis</i>
Alpha-tocopherol	<i>Buxus sempervirens</i>
Alzarin	<i>Rubia tinctorum</i>
Amarogentin	<i>Swertia chirata</i>
Amine choline	<i>Capsella bursa-pastoris</i> , <i>Thlaspi arvense</i>
Amines	<i>Crataegus laevigata</i> , <i>C. monongyna</i> , <i>C. oxyacantha</i>
Amino acids	<i>Lycopersicon esculentum</i>
Aminobutyric acid	<i>Lycopersicon esculentum</i>

Amygdalin	<i>Crataegus laevigata</i> , <i>C. monongyna</i> , <i>C. oxyacantha</i> , <i>Cydonia oblonga</i> , <i>Prunus armeniaca</i> , <i>P. armericana</i>
Anagalline	<i>Anagalis arvensis</i>
Anagyrene	<i>Caulophyllum thalictroides</i>
Andole alkaloids	<i>Abrus precatorius</i>
Anemone	<i>Ranunculus ficaria</i>
Anemonin	<i>Anemone pulsatilla</i> , <i>A. hepatica</i> , <i>A. patens</i> , <i>A. pulsatilla</i> , <i>Pulsatilla chinensis</i> , <i>Ranunculus occidentalis</i>
Anemonol	<i>Pulsatilla chinensis</i>
Anerhole	<i>Agastache anethrodora</i> , <i>A. foeniculum</i> , <i>Dictamnus albus</i> , <i>Foeniculum vulgare</i> , <i>Illicium verum</i> , <i>Pimpinella anisum</i>
Angelicide	<i>Angelica archangelica</i>
Anisaldehyde	<i>Agastache anethrodora</i> , <i>A. foeniculum</i>
Anthraquinone glycosides	<i>Aloe barbadensis</i> , <i>A. vera</i>
Anthemidin	<i>Matricaria chamomilla</i>
Anthocyanidin	<i>Paeonia officinalis</i>
Anthocyanin	<i>Abrus precatorius</i> , <i>Hibiscus sabdariffa</i> , <i>Malva sylvestris</i> , <i>M. rotundifolia</i> , <i>Morus alba</i> , <i>Perilla frutescens</i> , <i>Pinus albicaulis</i> , <i>P. contorta</i> , <i>P. mugo</i> , <i>P. palustris</i> , <i>P. strobus</i> , <i>Rubus idaeus</i> , <i>Vitis vinifera</i>
Anthocyanosides	<i>Ribes lacustre</i> , <i>R. nigrum</i> , <i>Vaccinium vitis-idaea</i> , <i>V. myrtilloides</i> , <i>V. myrtillus</i> , <i>V. oreophilum</i> , <i>V. macrocarpon</i>
Anthraquinone	<i>Cassia angustifolia</i> , <i>C. senna</i>
Anthraquinone derivatives	<i>Rubia tinctorum</i>
Anthraquinone glycosides	<i>Rhamnus catharticus</i> , <i>R. frangula</i> , <i>R. purshianus</i>
Anthraquinone compounds	<i>Rheum officinale</i> , <i>R. palmatum</i> , <i>R. tanguticum</i>
Anthraquinones	<i>Galium verum</i> , <i>G. aparine</i> , <i>Lobelia pulmonaria</i> , <i>Polygonum hydropiper</i> , <i>P. bistorta</i> , <i>Rumex crispus</i> , <i>R. obtusifolia</i> , <i>R. acetosella</i> , <i>R. aquaticus</i> , <i>Terminalia chebula</i>
Antiprotease	<i>Ribes nigrum</i>
Apienin	<i>Jatropha gossypifolia</i> , <i>Thymus vulgaris</i> , <i>T. capitatus</i> , <i>T. citriodorus</i> , <i>T. praecox</i> , <i>T. pulegiodes</i> , <i>T. serpyllum</i> , <i>T. vulgaris</i>
Apiin	<i>Apium graveolens</i> , <i>Cryptotaenia japonica</i>
Apiole	<i>Cryptotaenia japonica</i>
Aplotaxene	<i>Saussurea lappa</i>
Apocynein	<i>Apocynum androsaemifolium</i>

Component	Source
Apocynin	<i>Apocynum androsaemifolium</i>
Arachidic acid	<i>Thevetia peruviana</i>
Arbutin	<i>Pyrola rotundifolia, Vaccinium myrtilloides, V. myrtillus, V. oreophilum</i>
Arctic acid	<i>Arctium lappa</i>
Arctiin	<i>Areca catechu, Arctium lappa</i>
Arctiol	<i>Arctium lappa</i>
Arecaidine	<i>Areca catechu</i>
Arecaine	<i>Areca catechu</i>
Arecolidine	<i>Areca catechu</i>
Arecoline	<i>Areca catechu</i>
Aretylcholine	<i>Urtica urens</i>
Arginine	<i>Citrullus vulgaris, Lemna minor, Phaseolus vulgaris, Raphanus sativus</i>
Aristolochic acids	<i>Asarum canadense, Aristolochia clematidis, A. serpentaria</i>
Artemisinin	<i>Artemisia annua</i>
Artocapin	<i>Morus alba</i>
Asarinin	<i>Zanthoxylum americanum</i>
Asarone	<i>Acorus calamus, A. gramineus</i>
Ascaridole	<i>Chenopodium ambrosioides</i>
Ascorbic acid	<i>Artemisia vulgaris, Camellia sinensis, Prunus mume</i>
Ash	<i>Oxyria digyna</i>
Asiaticoside	<i>Centella asiatica</i>
Asparagine	<i>Abutilon indicum, Althaea officinalis, Asparagus officinalis, Astragalus membranaceus, A. americana, Euonymus atropurpureus, Phragmites australis</i>
Asparagosides	<i>Asparagus officinalis</i>
Asparamide	<i>Phragmites australis</i>
Asperuloside	<i>Galium verum, Rubia tinctorum</i>
Astragalin	<i>Matteuccia struthiopteris, Paeonia lactiflora</i>
Astragalosides	<i>Astragalus membranaceus</i>
Athocyanin	<i>Hibiscus rosa-sinensis</i>

Atractylenolide II	<i>Atractylodes macrocephala</i>
Atractylenolide III	<i>Atractylodes macrocephala</i>
Atractylol	<i>Atractylodes macrocephala</i>
Atropine alkaloids	<i>Solanum tuberosum</i>
Aucubin	<i>Plantago major, Prunella vulgaris, Scrophularia ningpoensis, Vitex labrusca, V. agnus-castus</i>
Aucuboside	<i>Veronica officinalis</i>
Azulene	<i>Matricaria chamomilla</i>
Baicalein	<i>Scutellaria baicalensis, S. macrantha, S. lateriflora</i>
Baicalin	<i>Scutellaria baicalensis, S. macrantha, S. lateriflora</i>
Baldrianic acid	<i>Sambucus racemosa</i>
Balsaminasterol	<i>Impatiens balsamina</i>
Balsaminones	<i>Impatiens balsamina</i>
Barbaloin	<i>Aloe barbadensis, A. vera</i>
Bavachin	<i>Psoralea corylifolia</i>
Belamcandaquinones A	<i>Belamcanda chinensis</i>
Belamcandaquinones B	<i>Belamcanda chinensis</i>
Benzaldehyde	<i>Styrax benzoin</i>
Benzoic acid	<i>Arisaema consanguineum, Citrus aurantium, Paeonia lactiflora, P. lactiflora, P. albiflora, P. suffruticosa, Rubus chamaemorus, Scutellaria baicalensis, S. macrantha, S. lateriflora, Styrax benzoin, S. benzoin</i>
Benzol-aconitine	<i>Aconitum carmichaelii, A. napellus</i>
Benzophenone	<i>Centaurium erythraea</i>
Benzoquinone	<i>Lysimachia vulgaris</i>
Benzoyllecgonine	<i>Erythroxylum coca</i>
Benzyl benzoate	<i>Dianthus caryophyllus</i>
Berberamine	<i>Berberis vulgaris</i>
Berberine	<i>Berberis vulgaris, B. aquifolium, Chelidonium majus, Coptis chinensis, C. groenlandica, C. trifolia, Mahonia aquifolium, Phellodendron amurense, P. chinensis</i>
Berberubine	<i>Berberis vulgaris</i>
Bergapten	<i>Apium graveolens</i>
Bergegin	<i>Cuscuta chinensis, C. epithymum</i>

Component	Source
Beta-acid	<i>Humulus lupulus</i>
Beta-amyrin	<i>Anemone pulsatilla</i>
Beta-carotene	<i>Camellia sinensis, Crocus sativus, Prunus mume</i>
Beta-D-glucoside	<i>Melochia tomentosa</i>
Beta-D-glucopyranosil	<i>Campanula rotundifolia, C. palustris</i>
Beta-elemone	<i>Hedera helix</i>
Beta-ergosterol	<i>Impatiens pallida, I. capensis</i>
Beta-masticoresin	<i>Pistacia lentiscus</i>
Beta-methyl-adipic acid	<i>Menispermum palmatum</i>
Beta-pachyman	<i>Poria cocos</i>
Beta-pachymanase	<i>Poria cocos</i>
Beta-pinene	<i>Juniperus rigida, Melaleuca leucadendra, Pinus sylvestris, P. albicaulis, P. contorta, P. mugo, P. palustris, P. strobus</i>
Beta-sitosterol	<i>Alnus crispus, A. glutinosa, Anemone pulsatilla, Cassia angustifolia, C. senna, Corylus avellana, C. cornuta, C. rostrata, C. americana, Lycium barbarum, L. chinense, L. pallidum, Matteuccia struthiopteris, Melochia tomentosa, Paeonia lactiflora, Rehmannia glutinosa, Scutellaria baicalensis, S. macrantha, S. lateriflora, Smilax aristolochiifolia, S. china, Ulmus rubra, U. procera, Urtica urens</i>
Beta-thujone	<i>Biota orientalis</i>
Betaine	<i>Lycium barbarum, L. chinense, L. pallidum, Stachys officinalis</i>
Betonicine	<i>Stachys officinalis</i>
Betulinic acid	<i>Prunella vulgaris</i>
Beyerene	<i>Biota orientalis</i>
Bilobalide	<i>Ginkgo biloba</i>
Bilobetin	<i>Ginkgo biloba</i>
Bioflavonoids	<i>Citrus aurantium, Fagopyrum esculentum, F. turticum, F. esculentum</i>
Biotin	<i>Lycoperiscon esculentum</i>
bis-norargemonine	<i>Thalictrum dasycarpum, T. occidentale</i>
Bishomophinolenic acid	<i>Pinus albicaulis, P. contorta, P. mugo, P. palustris, P. strobus</i>
Bonducin	<i>Caesalpinia ascendens, C. bonducella, C. sylvatica</i>

Borneol	<i>Asarum canadense</i> , <i>Biota orientalis</i> , <i>Chrysanthemum vulgare</i> , <i>Elettaria cardamomum</i> , <i>Juniperus communis</i> , <i>J. sabina</i> , <i>J. horizontalis</i> , <i>Kaempferia galanga</i> , <i>Salvia officinalis</i>
Borneol acetate	<i>Biota orientalis</i> , <i>Pinus albicaulis</i> , <i>P. contorta</i> , <i>P. mugo</i> , <i>P. palustris</i> , <i>P. strobus</i>
Bornyl esters	<i>Valeriana officinalis</i>
Bornyl isovalerate	<i>Cnidium monnieri</i>
Brefeldin A	<i>Angelica archangelica</i>
Bromelain	<i>Ananas comosus</i>
Bulnesene	<i>Pogostemon cablin</i>
Bupleurumol	<i>Bupleurum falcatum</i>
Bursine	<i>Capsella bursa-pastoris</i> , <i>Thlaspi arvense</i>
Butylphthalide	<i>Angelica polymorpha</i>
Cadinene	<i>Angelica polymorpha</i>
Caffeic acid	<i>Aconitum napellus</i> , <i>A. carmichaelii</i> , <i>Campanula rotundifolia</i> , <i>C. palustris</i> , <i>Digitalia purpurea</i> , <i>Eucalyptus citriodora</i> , <i>E. globulus</i> , <i>Glycine max</i> , <i>Hieracium pilosella</i> , <i>Matteuccia struthiopteris</i> , <i>Prunella vulgaris</i> , <i>Tilia cordata</i> , <i>T. europaea</i> , <i>Trifolium pratense</i> , <i>Viscum album</i>
Caffeic derivatives	<i>Lycopus virginicus</i>
Caffeine	<i>Camellia sinensis</i> , <i>I. aquifolium</i> , <i>I. paraguensis</i>
Calcium	<i>Chaenomeles speciosa</i> , <i>Portulaca oleracea</i> , <i>Rubia tinctorum</i>
Calcium oxalate	<i>Rheum officinale</i> , <i>R. palmatum</i> , <i>R. tanguticum</i>
Calcyosin	<i>Astragalus membranaceus</i> , <i>A. americana</i>
Calystegins	<i>Calystegia sepium</i>
Campesterol	<i>Matteuccia struthiopteris</i> , <i>Ulmus rubra</i> , <i>U. procera</i>
Camphene	<i>Cinnamomum cassia</i> , <i>Cnidium monnieri</i> , <i>Kaempferia galanga</i> , <i>Mentha arvensis</i> , <i>M. haplocalyx</i>
Camphesterol	<i>Scutellaria baicalensis</i> , <i>S. macrantha</i> , <i>S. lateriflora</i>
Camphor	<i>Achillea millefolium</i> , <i>Biota orientalis</i> , <i>Blumea balsumifera</i> , <i>Chrysanthemum parthenium</i> , <i>C. vulgare</i> , <i>Cinnamomum camphora</i> , <i>C. cassia</i> , <i>Dryobalanops aromatica</i> , <i>Elettaria cardamomum</i> , <i>Salvia officinalis</i>
Caoutchouc	<i>Apocynum androsaemifolium</i> , <i>Thevetia peruviana</i>
Capronic acid	<i>Aquilegia vulgaris</i>
Carbohydrate	<i>Oxyria digyna</i> , <i>Phragmites communis</i> , <i>Glycine max</i> , <i>Solanum aculeatissimum</i> , <i>S. melongena</i>
Carboxylic acid	<i>Lobelia inflata</i>

Component	Source
Cardenolides	<i>Convallaria majalis</i> , <i>C. sepium</i>
Cardiac glycosides	<i>Adonis vernalis</i> , <i>Convallaria majalis</i> , <i>C. sepium</i> , <i>Euonymus atropurpureus</i> , <i>Strophanthus gratus</i> , <i>S. kombe</i>
Cardienolides	<i>Euonymus atropurpureus</i>
Carene	<i>Kaempferia galanga</i>
Cariaester	<i>Solidago canadensis</i> , <i>S. virgaurea</i>
Carotene	<i>Avena sativa</i> , <i>Daucus carota</i> , <i>Lycium barbarum</i> , <i>L. pallidum</i> , <i>Lycopersicon esculentum</i> , <i>Plantago major</i>
Carotenoids	<i>Hippophae rhamnoides</i> , <i>Calendula officinalis</i> , <i>Citrus aurantium</i> , <i>Ginkgo biloba</i> , <i>Viscum album</i>
Carthamone	<i>Carthamus tinctorius</i>
Carvacrol	<i>Angelica polymorpha</i> , <i>Thymus vulgaris</i> , <i>T. capitatus</i> , <i>T. citriodorus</i> , <i>T. praecox</i> , <i>T. pulegiodes</i> , <i>T. serpyllum</i>
Carvone	<i>Anethum graveoleus</i> , <i>Carum carvi</i> , <i>Elettaria cardamomum</i> , <i>Mentha spicata</i> , <i>M. x piperita</i> , <i>Peucedanum graveolens</i>
Caryophyllen	<i>Phytolacca americana</i>
Caryophyllene	<i>Elettaria cardamomum</i> , <i>Piper nigrum</i> , <i>P. longum</i>
Casticin	<i>Vitex labrusca</i> , <i>V. agnus-castus</i>
Catalpine	<i>Bignonia catalpa</i>
Catalpol	<i>Scutellaria lateriflora</i> , <i>S. baicalensis</i> , <i>S. macrantha</i>
Catechins	<i>Crataegus laevigata</i> , <i>C. monongyna</i> , <i>C. oxyacantha</i> , <i>Leonurus cardiaca</i> , <i>Platycladus occidentalis</i> , <i>Potentilla erecoa</i> , <i>P. tormentilla</i> , <i>Rheum officinale</i> , <i>R. palmatum</i> , <i>R. tanguticum</i> , <i>Uncaria gambir</i>
Caulophylline	<i>Caulophyllum thalictroides</i>
Caulosaponin	<i>Caulophyllum thalictroides</i>
Chaconine	<i>Solanum nigrum</i>
Chalcones flavonoids	<i>Glycyrrhiza uralensis</i>
Chamazulene	<i>Achillea millefolium</i>
Charantin	<i>Momordica charantia</i>
Chebolic acid	<i>Terminalia chebula</i>
Chelerythrine	<i>Zanthoxylum americanum</i>
Chelidonic acid	<i>Veratrum viride</i>
Chelidonine	<i>Chelidonium majus</i>
Chimpahilin	<i>Pyrola rotundifolia</i>

Chlorogenic acid	<i>Digitalia purpurea, Hypericum perforatum, Matteuccia struthiopteris, Plantago major, Strychnos nux-vomica</i>
Chlorogenic derivatives	<i>Lycopus virginicus</i>
Cholesterol	<i>Ulmus rubra, U. procera</i>
Choline	<i>Cannabis sativa, Digitalia purpurea, Euphorbia hirta, Glycine max, Leonurus cardiaca, Potentilla anserina, Stachys officinalis, Taraxacum officinale, Trigonella foenum-graecum, Urtica urens, Viscum album</i>
Chrysophanic acid	<i>Aloe barbadensis, A. vera, Polygonum hydropiper, P. bistorta</i>
Chrysophanol	<i>Rhamnus catharticus, R. frangula, R. purshianus, Rumex acetosella, R. aquaticus, R. crispus</i>
Cimicifugin	<i>Cimicifuga racemosa</i>
Cimicifugoside	<i>Cimicifuga foetida</i>
Cineole	<i>Achillea millefolium, Alpinia galanga, Artemisia vulgarts, Crocus sativus, Eucalyptus citriodora, E. globulus, Juniperus rigida, Melaleuca leucadendra, Mentha spicata, M. x piperita, Salvia officinalis, Vitex labrusca, V. agnus-castus</i>
Cinerins	<i>Chrysanthemum cinerriaefolium, Pyrethrum cinerariifolium</i>
Cinnamaldehyde	<i>Cinnamomum zeglanicum, C. cassia</i>
Cinnamic acid	<i>Citrus aurantium, Liquidambar orientalis, L. styraciflua, Lycium barbarum, L. pallidum, Populus alba, Rheum officinale, R. palmatum, R. tanguticum, Stryax benzoin</i>
Cinnamon	<i>Blumea balsumifera</i>
Cinnamyl cinnamate	<i>Liquidambar orientalis, L. styraciflua</i>
Cinnamylcoaine	<i>Erythroxyllum coca</i>
Cissampeline	<i>Cissampelos pareira</i>
Citral	<i>Cymbopogon citratus, C. nardus, C. martinii, C. winterianus, Perilla frutescens</i>
Citric acid	<i>Aesculus hippocastanum, Ananas comosus, Fragaria vesca, Hibiscus rosa-sinensis, H. sabdariffa, Lonicera caerulea, L. caprifolium, Paris quadrifolia, Prunus mume, Ribes nigrum, Rosa rugosa, R. acicularis, R. canina, R. damascena, R. gallica</i>
Citronellal	<i>Cymbopogon citratus, C. nardus, C. martinii, C. winterianus</i>
Citronellol	<i>Rosa canina, R. damascena, R. gallica</i>
Citrullin	<i>Citrullus vulgaris</i>
Clerodendrin acacetin	<i>Clerodendrum trichotomum</i>
Cnicin	<i>Carduus benedita, Geum urbanum</i>

Component

Cocain
Codeine
Columbamine
Colxol
Condurangogenins
Coniferaldehyde
Convallatoxol
Convallaside
Convallotoxin
Convolvulin
Coptisine
Cornerin
Cornic acid
Cornine
Cortenerin
Corydaline
Corydalis
Corynoxine
Corypalline
Coumaric acid
Coumarin derivatives
Coumarins

Source

Erythroxylum coca
Papaver somniferum, *P. rhoeas*, *P. bracteatum*
Berberis aquifolium, *Mahonia aquifolium*
Phragmites australis
Marsdenia condurango
Phragmites australis
Convallaria majalis, *C. sepium*
Convallaria majalis, *C. sepium*
Convallaria majalis, *C. sepium*
Convolvulus jajapa, *Ipomoea purga*
Coptis chinensis, *C. groenlandica*, *C. trifolia*
Nerium oleander
Cornus canadensis
Cornus canadensis
Nerium oleander
Corydalis yanhusuo, *C. solida*
Corydalis yanhusuo, *C. solida*
Uncaria gambir
Thalictrum dasycarpum, *Thalictrum occidentale*
Eucalyptus citriodora, *E. globulus*, *Populus alba*
Aesculus hippocastanum, *Tagetes minuta*, *T. lucida*
Angelica archangelica, *Agrimonia eupatoria*, *Anethum graveoleus*, *Anthriscus cerefolium*, *Apium graveolens*, *Artemisia dracunculus*, *Aster tataricus*, *Cinnamomum zeglanicum*, *Citrus aurantium*, *C. aurantium*, *Crataegus laevigata*, *C. monongyna*, *C. oxyacantha*, *Cryptotaenia japonica*, *Datura innoxia*, *D. metel*, *D. stramonium*, *Eleutherococcus senticosus*, *Ferula assa-foetida*, *Fraxinus ornus*, *F. americana*, *F. excelsior*, *Gelsemium sempervirens*, *Hieracium pilosella*, *Hierochloe odorata*, *Lactuca serriola*, *Lawsonia inermis*, *Ledum palustre*, *Matricaria chamomilla*, *Medicago sativa*, *Melilotus alba*, *M. arvensis*, *M. officinalis*, *Menyanthes trifoliata*, *Peucedanum graveolens*, *Picrasma excelsa*, *Pimpinella anisum*, *Stellaria media*, *Trigonella foenum-graecum*, *Viburnum opulus*, *V. prunifolium*

Coumestrol	<i>Glycine max</i>
Crataegus acid	<i>Crataegus laevigata, C. monongyna, C. oxyacantha</i>
Creosol	<i>Pimpinella anisum</i>
Cresols	<i>Menispermum palmatum</i>
Crocine glycosides	<i>Crocus sativus</i>
Croton oil	<i>Croton tiglium</i>
Crude fiber	<i>Phragmites communis</i>
Cubebin	<i>Piper cubeba</i>
Cucurbitacins	<i>Anagalis arvensis, Cucurbita maxima</i>
Curcumin	<i>Curcuma longa, Santalum album</i>
Curcuminoids	<i>Curcuma aromatica</i>
Cutins	<i>Quercus robur</i>
Cyanide	<i>Prunus mume</i>
Cyanidin	<i>Jatropha gossypifolia</i>
Cyanogenic glycosides	<i>Acalypha indica, Cydonia oblonga, Hydrangea arborescens, Manihot esculenta, Prunus domestica, P. armeniaca, P. armericana, Sambucus nigra, S. canadensis, S. racemosa</i>
Cymarín	<i>Apocynum androsaemifolium</i>
Cymene	<i>Juniperus communis, J. sabina, J. sabina, J. horizontalis, Mentha spicata, M. x piperita</i>
Cynaroside	<i>Matricaria chamomilla</i>
Cypripedin	<i>Cypripedium calceolus, C. pariflorum</i>
d-borneol	<i>Dryobalanops aromatica</i>
d-camphene	<i>Myristica fragrans</i>
d-pseudoephedrine	<i>Ephedra distachya, E. sinica, E. nevadensis</i>
d-USnic acid	<i>Lobelia pulmonaria</i>
Daidzein	<i>Glycine max, Pueraria thunbergiana</i>
Daidzin	<i>Pueraria lobata</i>
Dammaranediénol	<i>Inula helenium</i>
Daphnetoxin	<i>Daphne genkwa, D. mezereum</i>
Dasycarponin	<i>Thalictrum dasycarpum, T. occidentale</i>

Component	Source
Dauricine	<i>Menispermum canadense</i>
Daurinoline	<i>Menispermum canadense</i>
Deanolic acid	<i>Prunella vulgaris</i>
Deguelin	<i>Tephrosia virginiana</i>
Dehydrofukinone	<i>Arctium lappa, Tephrosia virginiana</i>
Dehydrosoyasaponin	<i>Wisteria floribunda, W. brachybotrys</i>
Delphinidin	<i>Anemone pulsatilla</i>
Delphinidin-3,5-diglucoside	<i>Aquilegia vulgaris</i>
Delta-limonene	<i>Pinus sylvestris</i>
Delta-linalool	<i>Asarum canadense</i>
Dendrolasin	<i>Santalum album</i>
Diadzein	<i>Pueraria lobata</i>
Diallyl disulfide	<i>Allium sativum, A. fistulosum, A. tuberosum</i>
Diallyl trisulfide	<i>Allium sativum, A. fistulosum, A. tuberosum</i>
Dianthrone glucosides	<i>Cassia angustifolia, C. senna</i>
Diastase	<i>Rorippa nasturtium-aquaticum</i>
Dicoumarol	<i>Melilotus alba, M. arvensis</i>
Dictamnin	<i>Dictamnus albus</i>
Digitoxin	<i>Digitalia purpurea</i>
Digoxin	<i>Digitalia purpurea</i>
Dihydro- β -agarofuran	<i>Santalum album</i>
Dihydrolycopodine	<i>Lycopodium clavatum, L. obscurum</i>
Dihydronepetalactol	<i>Actinidia polygama</i>
Dilactone	<i>Poterium officinale, Sanguisorba officinalis</i>
Dimeric indole alkaloids	<i>Catharanthus roseus</i>
Diosgenin	<i>Aletris farinosa, Dioscorea opposita, Solanum nigrum</i>
Dipentene	<i>Cinnamomum cassia</i>
Disulphides	<i>Ferula assa-foetida</i>

Diterpene acids	<i>Aralia catechu</i> , <i>A. nudicaulis</i> , <i>A. racemosa</i>
Diterpene jatrophone	<i>Jatropha gossypifolia</i>
Diterpenes	<i>Aster tataricus</i> , <i>Eupatorium perfoliatum</i> , <i>Juniperus rigida</i>
Dodium	<i>Chaenomeles speciosa</i>
Ecdysterones	<i>Silene ocaulis</i> , <i>S. virginica</i>
Ecgonine	<i>Erythroxylum coca</i>
Ecliptine	<i>Eclipta alba</i> , <i>E. prostrata</i>
Eleutherosides	<i>Eleutherococcus senticosus</i>
Elixen	<i>Hedera helix</i>
Ellagic acids	<i>Lycopus virginicus</i>
Ellagitannins	<i>Potentilla erecoa</i> , <i>P. anserina</i> , <i>P. tormentilla</i> , <i>Punica granatum</i>
Emetic	<i>Jatropha gossypifolia</i>
Emodin	<i>Aloe barbadensis</i> , <i>A. vera</i> , <i>Rhamnus catharticus</i> , <i>R. frangula</i> , <i>R. purshianus</i> , <i>Rheum officinale</i> , <i>R. palmatum</i> , <i>R. tanguticum</i> , <i>Rhumex acetosella</i> , <i>R. aquaticus</i> , <i>R. crispus</i>
Emulsin	<i>Crataegus laevigata</i> , <i>C. monongyna</i> , <i>C. oxyacantha</i>
Enzymes	<i>Drosera rotundifolia</i> , <i>Ficus carica</i>
Ephedrine	<i>Ephedra distachya</i> , <i>E. sinica</i>
Epiatzalechin	<i>Platycladus occidentalis</i>
Epicatechin	<i>Platycladus occidentalis</i>
Epigallocatechin	<i>Platycladus occidentalis</i>
Equisitine	<i>Equisetum arvense</i>
Esculetin	<i>Campanula rotundifolia</i> , <i>C. palustris</i>
Essential oils	<i>Betula lenta</i> , <i>B. pendula</i> , <i>B. verrucosa</i> , <i>Corylus avellana</i> , <i>C. cornuta</i> , <i>C. rostrata</i> , <i>C. americana</i> , <i>Curcuma</i> <i>aromatica</i> , <i>Dipsacus asper</i> , <i>Heracleum maximum</i> , <i>H. lanatum</i> , <i>H. sphondylium</i> , <i>Hippophae rhamnoides</i> , <i>Jasaminum grandiflorum</i> , <i>J. officinale</i> , <i>Ligusticum scoticum</i> , <i>Ligustrum lucidum</i> , <i>L. vulgare</i> , <i>Prunus</i> <i>persica</i> , <i>Rorippa nasturtium-aquaticum</i> , <i>Tagetes patula</i> , <i>Valeriana officinalis</i> , <i>Veronica officinalis</i> , <i>Zea</i> <i>mays</i>
Estragol	<i>Dictamnus albus</i>
Estragole	<i>Artemisia dracunculus</i>
Ethyl cinnamate	<i>Kaempferia galanga</i>

Component	Source
Ethyl-p-methoxycinnamate	<i>Kaempferia galanga</i>
Eucalptole	<i>Elettaria cardamomum</i>
Eucalyptol	<i>Eucalyptus citriodora</i> , <i>E. globulus</i>
Eugenal	<i>Menispermum palmatum</i>
Eugenol	<i>Cinnamomum zeglanicum</i> , <i>C. camphora</i> , <i>Dianthus caryophyllus</i> , <i>Eugenia caryophyllata</i> , <i>Geum aleppicum</i> , <i>G. urbanum</i> , <i>Syzygium aromaticum</i> , <i>S. aromaticum</i>
Eupafolin polysaccharides	<i>Eupatorium perfoliatum</i>
Euphorbone	<i>Euphorbia lathyris</i>
Falvonoids	<i>Chimaphila umbellata</i> , <i>Eriobotrya japonica</i>
Fat	<i>Oxyria digyna</i>
Fatty acids	<i>Glycine max</i> , <i>Hippophae rhamnoides</i> , <i>Lobelia chinensis</i> , <i>Zea mays</i>
Fatty oil	<i>Pimpinella anisum</i>
Fenchone	<i>Biota orientalis</i> , <i>Foeniculum vulgare</i>
Ferment	<i>Rorippa nasturtium-aquaticum</i>
Ferric oxide	<i>Corylus avellana</i> , <i>C. cornuta</i> , <i>C. rostrata</i> , <i>C. americana</i>
Ferulic acid	<i>Angelica archangelica</i> , <i>Campanula rotundifolia</i> , <i>C. palustris</i> , <i>Matteaccia struthiopteris</i> , <i>Phragmites australis</i>
Flavonols	<i>Ailanthus altissima</i>
Fiber	<i>Glycine max</i> , <i>Plantago asiatica</i>
Filicin	<i>Dryopteris filix-mas</i>
Fix oils	<i>Apocynum androsaemifolium</i> , <i>Caesalpinia ascendens</i> , <i>C. bonducella</i> , <i>C. sylvatica</i> , <i>Cydonia oblonga</i> , <i>Cyperus esculentus</i> , <i>C. brevifolius</i> , <i>Euphorbia lathyris</i> , <i>Momordica charantia</i> , <i>Trillium erectum</i>
Flavanol glycosides	<i>Rhodiola rosea</i> , <i>Sedum acre</i>
Flavanones	<i>Populus alba</i>
Flavone glycoside	<i>Alnus crispus</i> , <i>A. glutinosa</i> , <i>Perilla frutescens</i>
Flavones	<i>Chamaenerion angustifolium</i> , <i>Cytisus scoparius</i> , <i>Ephedra sinica</i> , <i>Platycladus occidentalis</i> , <i>Populus alba</i> , <i>Swertia chirata</i>
Flavonlignans	<i>Carduus marianus</i>

Flavonoids

Acacia catechu, *A. hippocastanum*, *Agrimonia eupatoria*, *Althaea officinalis*, *Anethum graveoleus*, *Anthriscus cerefolium*, *Artemisia dracunculus*, *A. absinthium*, *Asparagus officinalis*, *Aster tataricus*, *Bidens tripartita*, *B. connata*, *Biota orientalis*, *Blumea balsumifera*, *Bupleurum falcatum*, *Calendula officinalis*, *Capsella bursa-pastoris*, *Carum carvi*, *Conyza canadensis*, *Cuscuta chinensis*, *C. epithymum*, *Datura innoxia*, *D. metel*, *D. stramonium*, *Drosera rotundifolia*, *Epilobium parviflorum*, *Equisetum hyemale*, *Erigeron canadensis*, *Eupatorium perfoliatum*, *Euphorbia hirta*, *Ficus carica*, *Fraxinus ornus*, *F. americana*, *F. excelsior*, *F. ornus*, *Galium verum*, *Ginkgo biloba*, *Glechoma hederacea*, *Glycyrrhiza glabra*, *Gossypium herbaceum*, *Hieracium pilosella*, *Hydrangea arborescens*, *Hypericum perforatum*, *Hippophae rhamnoides*, *Inula britannica*, *I. japonica*, *Lactuca serriola*, *Lawsonia inermis*, *Ledum palustre*, *Loranthus europaeus*, *Lycopodium clavatum*, *L. obscurum*, *L. annotinum*, *Lysimachia vulgaris*, *Matricaria chamomilla*, *Melia azedarach*, *Melilotus alba*, *M. officinalis*, *M. arvensis*, *Morus alba*, *Myrica cerifera*, *M. pennsylvanica*, *Oenothera biennis*, *Parietaria judaica*, *Peucedanum graveolens*, *Physalis alkekengi*, *P. franchetti*, *P. pubescens*, *Pimpinella anisum*, *Polygonatum odoratum*, *P. multiflorum*, *P. biflorum*, *Polygonum aviculare*, *P. viviparum*, *P. multiflorum*, *Populus alba*, *P. balsamifera*, *P. candicans*, *Potentilla anserina*, *Primula vulgaris*, *P. veris*, *Rubus idaeus*, *Salix alba*, *S. discolor*, *Sambucus nigra*, *S. canadensis*, *Scrophularia ningpoensis*, *Stellaria media*, *Thlaspi arvense*, *Thuja occidentalis*, *Tilia cordata*, *T. europaea*, *Trifolium incarnatum*, *Veronica officinalis*, *Viscum album*, *Vitex labrusca*, *V. agnus-castus*, *Vitis vinifera*, *Ziziphus jujuba*

Flavonoid glycosides

Convallaria majalis, *C. sepium*, *Crataegus laevigata*, *C. monongyna*, *C. oxyacantha*, *Malva sylvestris*, *M. rotundifolia*, *Menyanthes trifoliata*, *Pyrola rotundifolia*, *Spiraea ulmaria*, *Silybum marianum*

Flavonols

Ailanthus glandulosa, *Populus alba*

Foetidin

Ferula assa-foetida

Folic acid

Lycopersicon esculentum, *Sesamum indicum*

Folinerin

Nerium oleander

Formononetin

Astragalus membranaceus, *A. americana*

Forsythin

Forsythia suspensa

Frangulin A

Rhamnus catharticus, *R. frangula*, *R. purshianus*

Frangulin B

Rhamnus catharticus, *R. frangula*, *R. purshianus*

Fumaric acid

Salvia officinalis

Furanoid

Artemisia tridentata

Component	Source
Galactan	<i>Luffa aegyptiaca</i> , <i>L. cylindrica</i>
Galactose	<i>Pinus albicaulis</i> , <i>P. contorta</i> , <i>P. mugo</i> , <i>P. palustris</i> , <i>P. strobus</i>
Galactoside-specific lectin	<i>Viscum album</i>
Galangin	<i>Alpinia galanga</i>
Galangol	<i>Alpinia galanga</i>
Gallic acid	<i>Betula lenta</i> , <i>B. pendula</i> , <i>B. verrucosa</i> , <i>Cornus florida</i> , <i>Cypripedium calceolus</i> , <i>C. pariflorum</i> , <i>Eucalyptus citriodora</i> , <i>E. globulus</i> , <i>Rheum officinale</i> , <i>R. palmatum</i> , <i>R. tanguticum</i> , <i>Rubus idaeus</i> , <i>Tagetes minuta</i> , <i>T. lucida</i> , <i>Tussilago farfara</i>
Gallic acid derivatives	<i>Epilobium parviflorum</i>
Gallocatechin	<i>Platycladus occidentalis</i>
Gallotannin	<i>Paeonia lactiflora</i>
Gardenin crocin	<i>Gardenia angusta</i>
Gaultherin	<i>Polygala vulgaris</i>
Gelsedine	<i>Gelsemium sempervirens</i>
Gelsemine	<i>Gelsemium sempervirens</i>
Geniposide	<i>Gardenia angusta</i>
Gentianindine	<i>Gentiana lutea</i> , <i>G. macrophylla</i> , <i>G. scabra</i>
Gentianine	<i>Gentiana lutea</i> , <i>G. macrophylla</i> , <i>G. scabra</i>
Gentiopicroside	<i>Centaurium erythraea</i>
Gentisic acid	<i>Eucalyptus citriodora</i> , <i>E. globulus</i>
Geraniol	<i>Chenopodium ambrosioides</i> , <i>Rosa acicularis</i> , <i>R. rugosa</i> , <i>R. canina</i> , <i>R. damascena</i> , <i>R. gallica</i>
Germacrene B	<i>Hedera helix</i>
Gingerol	<i>Zingiber officinale</i>
Ginkgetin	<i>Ginkgo biloba</i>
Ginkgocide A	<i>Ginkgo biloba</i>
Ginkgocide B	<i>Ginkgo biloba</i>
Ginkgocide C	<i>Ginkgo biloba</i>
Ginkgocide J	<i>Ginkgo biloba</i>
Ginkgocide M	<i>Ginkgo biloba</i>

Ginsenosides	<i>Panax quinquefolium</i> , <i>P. ginseng</i>
Givacoline	<i>Areca catechu</i>
Glabridin	<i>Glycyrrhiza glabra</i>
Glechomine	<i>Glechoma hederacea</i>
Globulin	<i>Lycopersicon esculentum</i>
Globuline	<i>Glycine max</i>
Glucans	<i>Sambucus racemosa</i>
Glucofrangulin A	<i>Rhamnus catharticus</i> , <i>R. frangula</i> , <i>R. purshianus</i>
Glucofrangulin B	<i>Rhamnus catharticus</i> , <i>R. frangula</i> , <i>R. purshianus</i>
Gluconasturin	<i>Rorippa nasturtium-aquaticum</i>
Glucoquinone	<i>Urtica urens</i>
Glucose	<i>Ficus carica</i> , <i>Tagetes minuta</i> , <i>T. lucida</i>
Glucoside apocynamarin	<i>Apocynum androsaemifolium</i>
Glucosinolates	<i>Raphanus sativus</i>
Glucuronic acid	<i>Glycyrrhiza glabra</i>
Glutamic acid	<i>Lycopersicon esculentum</i>
Glutamine	<i>Heracleum maximum</i> , <i>H. lanatum</i> , <i>H. sphondylium</i>
Gluten	<i>Taraxacum officinale</i>
Glycans	<i>Eleutherococcus senticosus</i>
Glycine	<i>Glycine max</i> , <i>Lycopersicon esculentum</i>
Glycorrhzin	<i>Glycyrrhiza glabra</i>
Glycosides	<i>Aralia catechu</i> , <i>A. nudicaulis</i> , <i>A. racemosa</i> , <i>Paeonia officinalis</i> , <i>Phragmites australis</i> , <i>Salix alba</i> , <i>S. discolor</i>
Glycyrrhetic acid	<i>Glycyrrhiza glabra</i>
Glycyrrhizin	<i>Abrus precatorius</i>
Gossypetin	<i>Hibiscus rosa-sinensis</i> , <i>H. sabdariffa</i>
Gossypin-3-sulfate	<i>Malva sylvestris</i> , <i>M. rotundifolia</i>
Gossypol	<i>Gossypium herbaceum</i>
Gramme	<i>Hordeum vulgare</i>
Guaridine	<i>Benincasa hispida</i>
Gum	<i>Commiphora myrrha</i> , <i>C. molmol</i> , <i>C. myrrha</i> , <i>Eugenia caryophyllata</i> , <i>Ferula assa-foetida</i> , <i>Poterium officinale</i> , <i>Sanguisorba officinalis</i> , <i>Syzygium aromaticum</i> , <i>S. aromaticum</i> , <i>Tagetes minuta</i> , <i>T. lucida</i> , <i>Taraxacum officinale</i>

Component	Source
Guvacine	<i>Areca catechu</i>
Harpagide	<i>Ajuga reptans</i>
Harpagoside	<i>Scrophularia ningpoensis</i>
Havonoids	<i>Cryptotaenia japonica</i>
Hederacoside B	<i>Hedera helix</i>
Hederacoside C	<i>Hedera helix</i>
Hederin	<i>Hedera helix</i>
Helenalin	<i>Inula helenium</i>
Heliotropin	<i>Spiraea ulmaria</i>
Heneicosanic acid	<i>Areca catechu</i>
Heraclein	<i>Heracleum maximum, H. lanatum, H. sphondylium</i>
Herclavin	<i>Zanthoxylum americanum</i>
Herniarin	<i>Matricaria chamomilla</i>
Hesperidin	<i>Hyssopus officinalis</i>
Hexadecenoic acid	<i>Myristica fragrans</i>
Hibiscus acid	<i>Hibiscus sabdariffa, H. rosa-sinensis, Vaccinium vitis-idaea, V. macrocarpon</i>
Hirsutine	<i>Uncaria gambir</i>
Histamine	<i>Capsella bursa-pastoris, Jatropha gossypifolia, Thlaspi arvense, Urtica urens</i>
Histidine	<i>Raphanus sativus</i>
Hordenine	<i>Hordeum vulgare</i>
Hosenkosides	<i>Impatiens balsamina</i>
Humulene	<i>Elettaria cardamomum, Humulus lupulus</i>
Hydrangein	<i>Hydrangea arborescens</i>
Hydrociannic acid	<i>Acalypha indica, Aleurites moluccanu</i>
Hydrocotyline	<i>Centella asiatica</i>
Hydrocoumarin	<i>Melilotus officinalis</i>
Hydrocyanic acid	<i>Aquilegia flavescens, Prunus armeniaca, P. americana</i>
Hydrojuglone	<i>Juglans regia</i>
Hydroquinones	<i>Chimaphila umbellata, Viburnum opulus, V. prunifolium</i>

Hydroxybenzoic acid	<i>Eucalyptus citriodora</i> , <i>E. globulus</i>
Hydroxycinnamic acid	<i>Cuscuta chinensis</i> , <i>C. epithymum</i>
Hydroxycoumarin	<i>Melilotus officinalis</i>
Hydroxyphenylethanol glycosides	<i>Syringa suspensa</i> , <i>S. vulgaris</i>
Hyoscine	<i>Datura innoxia</i> , <i>D. metel</i> , <i>D. stramonium</i> , <i>Hyoscyamus niger</i>
Hyoscyamine	<i>Datura innoxia</i> , <i>D. metel</i> , <i>D. stramonium</i> , <i>Hyoscyamus niger</i>
Hypaconitine	<i>Aconitum napellus</i> , <i>A. carmichaelii</i>
Hypericin	<i>Hypericum perforatum</i>
Hyperoside	<i>Betula lenta</i> , <i>B. pendula</i> , <i>B. verrucosa</i> , <i>Hypericum perforatum</i>
Idoflavones	<i>Glycine max</i>
Indole alkaloids	<i>Rauvolfia serpentina</i> , <i>Strychnos nux-vomica</i>
Inositol	<i>Cannabis sativa</i>
Inositol	<i>Juniperus communis</i> , <i>J. sabina</i> , <i>J. horizontalis</i> , <i>Lonicera caerulea</i> , <i>L. caprifolium</i> , <i>Phaseolus vulgaris</i>
Insulin-like peptide	<i>Momordica charantia</i>
Insulins	<i>Vaccinium myrtilloides</i> , <i>V. myrtillus</i> , <i>V. oreophilum</i>
Inulin	<i>Arctium lappa</i> , <i>Artemisia vulgarts</i> , <i>Dipsacus fullonum</i> , <i>Inula helenium</i> , <i>Solidago virgaurea</i> , <i>S. canadensis</i> , <i>Taraxacum officinale</i> , <i>Tussilago farfara</i>
Iodine	<i>Allium sativum</i> , <i>A. fistulosum</i> , <i>A. tuberosum</i> , <i>Artemisia dracunculus</i> , <i>Hedera helix</i> , <i>Laminaria digitata</i> , <i>L. saccharine</i> , <i>L. longicurris</i>
Iridals	<i>Belamcanda chinensis</i>
Iridin	<i>Belamcanda chinensis</i>
Iridoid glycosides	<i>Cornus officinalis</i> , <i>Menyanthes trifoliata</i> , <i>Pedicularis palustris</i> , <i>P. canadensis</i>
Iridoid valepotriates	<i>Galium aparine</i>
Iridoids	<i>Gelsemium sempervirens</i> , <i>Rubia tinctorum</i> , <i>Swertia chirata</i> , <i>Vaccinium myrtilloides</i> , <i>V. myrtillus</i> , <i>V. oreophilum</i> , <i>Vitex labrusca</i> , <i>V. agnus-castus</i>
Iridomyrmecin	<i>Actinidia polygama</i>
Irigenin	<i>Belamcanda chinensis</i>
Irisfloreantin	<i>Belamcanda chinensis</i>
Iron	<i>Chaenomeles speciosa</i>
Iron manganese	<i>Lemna minor</i>

Component	Source
Isobetanine	<i>Phytolacca americana</i>
Isoborneol	<i>Cnidium monnieri</i>
Isocaproic acid	<i>Ananas comosus</i>
Isoferulic acid	<i>Cimicifuga foetida</i> , <i>C. racemosa</i>
Isoflavones	<i>Belamcanda chinensis</i> , <i>Cimicifuga racemosa</i> , <i>C. foetida</i> , <i>Medicago sativa</i>
Isoflavonoids	<i>Glycyrrhiza uralensis</i> , <i>Pueraria lobata</i> , <i>P. thunbergiana</i> , <i>Wisteria floribunda</i> , <i>W. brachybotrys</i>
Isografin	<i>Eleutherococcus senticosus</i>
Isoginkgetin	<i>Ginkgo biloba</i>
Isoguvacine	<i>Areca catechu</i>
Isomenthone	<i>Mentha spicata</i> , <i>M. x piperita</i>
Isonematatabiol	<i>Actinidia polygama</i>
Isophthalic acid	<i>Ilex aquifolium</i> , <i>I. paraguensis</i> , <i>Iris versicolor</i> , <i>I. pseudacorus</i>
Isophytosterol	<i>Jatropha gossypifolia</i>
Isoprebetanine	<i>Phytolacca americana</i>
Isopsorlin	<i>Psoralea corylifolia</i>
Isopulegone	<i>Mentha pulegium</i>
Isoquercitin	<i>Adiantum capillus-junonis</i>
Isoquercitrin	<i>Jasaminum grandiflorum</i> , <i>J. officinale</i>
Isoquiniline	<i>Coptis chinensis</i>
Isoquiniline alkaloids	<i>Coptis groenlandica</i> , <i>C. trifolia</i> , <i>Chelidonium majus</i> , <i>Phellodendron amurense</i> , <i>P. chinensis</i>
Isorhamnetin	<i>Typha angustifolia</i> , <i>T. latifolia</i>
Isorhyncophylline	<i>Uncaria gambir</i>
Isosafrole	<i>Angelica polymorpha</i>
Isovaltrate	<i>Valeriana officinalis</i>
Isovitexin	<i>Jatropha gossypifolia</i>
Jacoline	<i>Senecio vulgaris</i> , <i>S. aureus</i>
Juglandin	<i>Juglans regia</i>
Juglone	<i>Juglans regia</i>
Juniperin	<i>Juniperus communis</i> , <i>J. sabina</i> , <i>J. horizontalis</i>

Jutrophine	<i>Jatropha gossypifolia</i>
Kaempferol	<i>Aesculus hippocastanum, Loranthus europaeus</i>
Kaempferol derivatives	<i>Impatiens balsamina</i>
Koenigin	<i>Murraya koenigii</i>
Kumatakenin	<i>Astragalus membranaceus, A. americana</i>
l-asparagine	<i>Paris quadrifolia</i>
l-citronellol	<i>Rosa acicularis, R. rugosa</i>
l-ephedrine	<i>Ephedra distachya, E. sinica, E. nevadensis</i>
l-homostarchydine	<i>Medicago sativa</i>
l-laudanidine	<i>Thalictrum dasycarpum, T. occidentale</i>
l-limonene	<i>Perilla frutescens</i>
l-phyllandrene	<i>Piper longum, P. nigrum</i>
l-zingiberene	<i>Zingiber officinale</i>
Laburnine	<i>Caulophyllum thalictroides</i>
Lactone protoanemonin	<i>Pulsatilla vulgaris</i>
Lactones	<i>Achillea millefolium, A. archangelica, Atractylodes macrocephala, Hierochloa odorata, Pulsatilla chinensis</i>
Lactones atractylenolide II	<i>Atractylodes macrocephala</i>
Lactones atractylenolide III	<i>Atractylodes macrocephala</i>
Lactrile	<i>Prunus armeniaca</i>
Lactucerin	<i>Lactuca serriola</i>
Lactucopicrin	<i>Lactuca serriola</i>
Laetrile	<i>Prunus mume, P. armericana</i>
Lanatoside	<i>Digitalia purpurea</i>
Lapase	<i>Aquilegia vulgaris</i>
Lauric acid	<i>Areca catechu, Menispermum palmatum, Myristica fragrans</i>
Lawson	<i>Impatiens pallida, I. capensis, Lawsonia inermis, Ledum palustre</i>
Lecithin	<i>Glycine max, Polygonum bistorta, P. hydropiper</i>
Lectins	<i>Calystegia sepium, Narcissus tazetta, Phytolacca acinosa, Ricinus communis</i>
Leonticine	<i>Corydalis yanhusuo, C. solida</i>
Leonuride	<i>Leonurus cardiaca</i>

Component	Source
Leonurin	<i>Leonurus cardiaca</i>
Leucine	<i>Phaseolus vulgaris</i>
Levulin	<i>Taraxacum officinale</i>
Lignans	<i>Artemisia absinthium</i> , <i>Biota orientalis</i> , <i>Carduus benedicta</i> , <i>Carthamus tinctorius</i> , <i>Cinnamomum camphora</i> , <i>Eleutherococcus senticosus</i> , <i>Schisandra chinensis</i> , <i>Sesamum indicum</i> , <i>Syringa suspensa</i> , <i>S. vulgaris</i> , <i>Viscum album</i> ,
Ligustilide	<i>Angelica archangelica</i>
Ligustrin	<i>Syringa suspensa</i> , <i>S. vulgaris</i>
Lilacin	<i>Syringa suspensa</i> , <i>S. vulgaris</i>
Limonene	<i>Anethum graveoleus</i> , <i>Angelica archangelica</i> , <i>Apium graveolens</i> , <i>Carum carvi</i> , <i>Cinnamomum cassia</i> , <i>Conyza canadensis</i> , <i>Erigeron canadensis</i> , <i>Hyssopus officinalis</i> , <i>Juniperus communis</i> , <i>J. sabina</i> , <i>J. sabina</i> , <i>J. horizontalis</i> , <i>Menispermum palmatum</i> , <i>Mentha arvensis</i> , <i>M. haplocalyx</i> , <i>M. spicata</i> , <i>M. x piperita</i> , <i>Schizonepeta tenuifolia</i> , <i>Tagetes erecta</i> , <i>T. patula</i>
Limonic acid	<i>Lonicera caerulea</i> , <i>L. caprifolium</i>
Linalool	<i>Acorus calamus</i> , <i>A. gramineus</i> , <i>Alpinia galanga</i> , <i>Conyza canadensis</i> , <i>Coriandrum sativum</i> , <i>Erigeron canadensis</i> , <i>Tagetes patula</i> , <i>T. erecta</i>
Linalyl acetate	<i>Tagetes patula</i>
Linamarin	<i>Linum usitatissimum</i>
Linarin	<i>Linaria vulgaris</i>
Linoleic acid	<i>Aleurites moulceanu</i> , <i>Allium sativum</i> , <i>A. fistulosum</i> , <i>A. tuberosum</i> , <i>Angelica polymorpha</i> , <i>Apium graveolens</i> , <i>Aquilegia vulgaris</i> , <i>Chrysanthemum cinerriaefolium</i> , <i>Cucumis sativus</i> , <i>Cucurbita maxima</i> , <i>Linum usitatissimum</i> , <i>Myristica fragrans</i> , <i>Oenothera biennis</i> , <i>Plantago asiatica</i> , <i>P. psyllium</i> , <i>Pyrethrum cinerariifolium</i> , <i>Sesamum indicum</i> , <i>Solanum nigrum</i> , <i>Trigonella foenum-graecum</i> , <i>Vitis vinifera</i>
Linolenic acid	<i>Aleurites moulceanu</i> , <i>Linum usitatissimum</i> , <i>Oenothera biennis</i> , <i>Stellaria media</i> , <i>Trigonella foenum-graecum</i>
Linseed oil	<i>Linum usitatissimum</i>
Lipids	<i>Daucus carota</i>
Lithospermic acid	<i>Lithospermum erythrorhizon</i> , <i>L. officinale</i>
Lobelanidine	<i>Lobelia inflata</i>
Lobelidiol	<i>Lobelia inflata</i>

Lobeline	<i>Lobelia inflata</i>
Loganin	<i>Strychnos nux-vomica</i>
Lupulone	<i>Humulus lupulus</i>
Lutein-7-primveroside	<i>Campanula rotundifolia</i> , <i>C. palustris</i>
Luteolin	<i>Agrimonia eupatoria</i> , <i>Matricaria chamomilla</i> , <i>Mentha spicata</i> , <i>M. x piperita</i> , <i>Thymus vulgaris</i>
Luteolin-7-0-beta-D-glucopyranosil	<i>Campanula rotundifolia</i> , <i>C. palustris</i>
Lutolin	<i>Thymus capitatus</i> , <i>T. citriodorus</i> , <i>T. praecox</i> , <i>T. pulegiodes</i> , <i>T. serpyllum</i> , <i>T. vulgaris</i>
Lycopodine	<i>Lycopodium clavatum</i> , <i>L. obscurum</i> , <i>L. annotinum</i>
Lysine	<i>Lemna minor</i>
Madasiatic acids	<i>Centella asiatica</i>
Madecassic	<i>Centella asiatica</i>
Magnesium	<i>Chaenomeles speciosa</i>
Magnocurarine	<i>Magnolia liliflora</i> , <i>M. officinalis</i>
Magnoflorine	<i>Berberis aquifolium</i> , <i>Caulophyllum thalictroides</i> , <i>Mahonia aquifolium</i> , <i>Menispermum canadense</i>
Malic acid	<i>Ananas comosus</i> , <i>Cornus florida</i> , <i>Fragaria vesca</i> , <i>Hibiscus sabdariffa</i> , <i>H. rosa-sinensis</i> , <i>Lonicera caerulea</i> , <i>L. caprifolium</i> , <i>Prunus mume</i> , <i>Rosa acicularis</i> , <i>R. rugosa</i> , <i>R. canina</i> , <i>R. damascena</i> , <i>R. gallica</i> , <i>Salvia</i> <i>officinalis</i> , <i>Tussilago farfara</i> , <i>Vitis vinifera</i>
Mallol	<i>Pinus albicaulis</i> , <i>P. contorta</i> , <i>P. mugo</i> , <i>P. palustris</i> , <i>P. strobus</i>
Malonic acid	<i>Aconitum carmichaelii</i> , <i>A. napellus</i>
Malvin	<i>Malva sylvestris</i> , <i>M. rotundifolia</i>
Mannitol	<i>Rehmannia glutinosa</i>
Margaric acid	<i>Areca catechu</i>
Massoilactone	<i>Hierochloe odorata</i>
Mastic acid	<i>Pistacia lentiscus</i>
Masticin	<i>Pistacia lentiscus</i>
Matatabic acid	<i>Actinidia polygama</i>
Matatabiether	<i>Actinidia polygama</i>
Matatabistic acid	<i>Actinidia polygama</i>
Maysin	<i>Zea mays</i>
Meconic acid	<i>Papaver somniferum</i>

Component	Source
Meliacins	<i>Melia azedarach</i>
Melosatin D	<i>Melochia tomentosa</i>
Melovinone	<i>Melochia tomentosa</i>
Menthol	<i>Achillea millefolium</i> , <i>Mentha arvensis</i> , <i>M. haplocalyx</i> , <i>M. pulegium</i> , <i>M. spicata</i> , <i>M. x piperita</i>
Menthone	<i>Mentha arvensis</i> , <i>M. haplocalyx</i> , <i>M. spicata</i> , <i>M. x piperita</i> , <i>Schizonepeta tenuifolia</i>
Menthyl acetate	<i>Mentha arvensis</i> , <i>M. haplocalyx</i>
Mesaconitine	<i>Aconitum carmichaelii</i> , <i>A. napellus</i>
Mesoinositol	<i>Clerodendrum trichotomum</i>
Methylxanthines	<i>Camellia sinensis</i>
Methyl chavicol	<i>Artemisia dracunculus</i>
Methyl salicylate	<i>Chimaphila umbellata</i> , <i>Dianthus caryophyllus</i> , <i>Erythroxylum coca</i> , <i>Gaultheria procumbens</i>
Methyl chavicol	<i>Illicium verum</i>
Methyl salicylate	<i>Betula lenta</i> , <i>B. pendula</i> , <i>B. verrucosa</i> , <i>Polygala senega</i>
Methyl-n-propyl ketone	<i>Ananas comosus</i>
Methylamine	<i>Acorus calamus</i> , <i>A. gramineus</i>
Methylchavicol	<i>Agastache anethrodora</i> , <i>A. foeniculum</i>
Methylcytisine	<i>Caulophyllum thalictroides</i> , <i>Cimicifuga racemosa</i>
Mezerein	<i>Daphne genkwa</i> , <i>D. mezereum</i>
Mineral elements	<i>Oxyria digyna</i>
Minerals	<i>Cardamine pratensis</i> , <i>Glycine max</i> , <i>Phragmites communis</i> , <i>Smilax china</i> , <i>S. aristolochiifolia</i> , <i>Solanum tuberosum</i>
Monoterpene glycosides	<i>Vitis vinifera</i>
Monoterpenes	<i>Aster tataricus</i>
Monoterpenoid glycosides	<i>Paeonia suffruticosa</i> , <i>P. lactiflora</i> , <i>P. albiflora</i>
Morindin	<i>Morinda didyma</i> , <i>M. fistulosa</i> , <i>M. punctata</i>
Mormordicine	<i>Momordica charantia</i>
Mormordin	<i>Momordica charantia</i>
Morphine	<i>Papaver somniferum</i> , <i>P. rhoeas</i> , <i>P. bracteatum</i>

Mucilage	<i>Abutilon indicum</i> , <i>Acacia catechu</i> , <i>Acorus calamus</i> , <i>A. gramineus</i> , <i>Adiantum capillus-junonis</i> , <i>Althaea officinalis</i> , <i>Arctium lappa</i> , <i>Calendula officinalis</i> , <i>Cassia angustifolia</i> , <i>C. senna</i> , <i>Castanea sativa</i> , <i>Celtis australis</i> , <i>Chamaenerion angustifolium</i> , <i>Chrysanthemum parthenium</i> , <i>Cinnamomum zeglanicum</i> , <i>Citrus aurantium</i> , <i>Cydonia oblonga</i> , <i>Daphne genkwa</i> , <i>D. mezereum</i> , <i>Epilobium angustifolium</i> , <i>Gelidium cartilagineum</i> , <i>Glycyrrhiza glabra</i> , <i>Hibiscus rosa-sinensis</i> , <i>H. sabdariffa</i> , <i>Inula helenium</i> , <i>Linaria vulgaris</i> , <i>Linum usitatissimum</i> , <i>Lobelia chinensis</i> , <i>Malva sylvestris</i> , <i>M. rotundifolia</i> , <i>Orchis mascula</i> , <i>Papaver somniferum</i> , <i>Phytolacca acinosa</i> , <i>Plantago major</i> , <i>P. asiatica</i> , <i>P. psyllium</i> , <i>Polygala vulgaris</i> , <i>P. multiflorum</i> , <i>P. polygonum</i> , <i>P. aviculare</i> , <i>P. viviparum</i> , <i>Portulaca oleracea</i> , <i>Thuja occidentalis</i> , <i>T. cordata</i> , <i>T. europaea</i> , <i>Tussilago farfara</i> , <i>Ulmus rubra</i> , <i>U. procera</i> , <i>Verbena officinalis</i> , <i>Viola tricolor</i> , <i>Zea mays</i> , <i>Ziziphus jujuba</i> .
Mustard oil	<i>Sinapis alba</i>
Mustard-oil glycosides	<i>Brassica alba</i> , <i>B. juncea</i>
Myoinositol	<i>Paeonia lactiflora</i>
Myrcene	<i>Chenopodium ambrosioides</i> , <i>Mentha spicata</i> , <i>M. x piperita</i> , <i>Juniperus rigida</i>
Myricetin	<i>Platycladus occidentalis</i>
Myricyl alcohol	<i>Iris versicolor</i> , <i>I. pseudacorus</i>
Myristic acid	<i>Apium graveolens</i> , <i>Areca catechu</i> , <i>Hibiscus rosa-sinensis</i> , <i>H. sabdariffa</i> , <i>L. clavatum</i> , <i>L. obscurum</i> , <i>Menispermum palmatum</i>
Myristicin	<i>Cryptotaenia japonica</i> , <i>Myristica fragrans</i>
Myristoleic acid	<i>Apium graveolens</i>
Myrtocyan	<i>Vaccinium myrtilloides</i> , <i>V. myrtillus</i> , <i>V. oreophilum</i>
N'-desmethyldauricine	<i>Menispermum canadense</i>
n-butylidenephthalide	<i>Angelica archangelica</i>
n-coumaric	<i>Campanula rotundifolia</i> , <i>C. palustris</i>
n-coumaric acid	<i>Matricaria chamomilla</i>
n-dodecanol	<i>Angelica polymorpha</i>
n-methyl anabasine	<i>Sedum acre</i>
n-pentadecane	<i>Kaempferia galanga</i>
n-tetradecanol	<i>Angelica polymorpha</i>
n-trans-coumaroyltyramine	<i>Tribulus terrestris</i>
n-trans-feruloyltyramine	<i>Tribulus terrestris</i>

Component	Source
Napelline	<i>Aconitum napellus</i> , <i>A. carmichaelii</i>
Naphthaquinones	<i>Drosera rotundifolia</i> , <i>Lawsonia inermis</i> , <i>Ledum palustre</i>
Naphthalene glycosides	<i>Cassia senna</i> , <i>C. angustifolia</i>
Narcotine	<i>Papaver somniferum</i>
Neo-nepetalactone	<i>Actinidia polygama</i>
Neoherculin	<i>Zanthoxylum americanum</i>
Neoline	<i>Aconitum napellus</i> , <i>A. carmichaelii</i>
Neomatabiol	<i>Actinidia polygama</i>
Neothujic acid	<i>Platycladus occidentalis</i>
Nepodin	<i>Rumex crispus</i>
Neriin	<i>Nerium oleander</i>
Niacin	<i>Camellia sinensis</i> , <i>Rorippa nasturtium-aquaticum</i>
Nicotine	<i>Equisetum arvense</i> , <i>E. hyemale</i> , <i>Erythroxylum coca</i> , <i>Nicotiana tabacum</i>
Nicotinic acid	<i>Daucus carota</i> , <i>Lycopersicon esculentum</i> , <i>Trigonella foenum-graecum</i> , <i>Uncaria gambir</i>
Nigerine (N,N-dimethyltryptamine)	<i>Mimosa pudica</i> , <i>M. hostilis</i>
Nitryl-glycoside	<i>Aquilegia vulgaris</i>
Nonadecanoid	<i>Areca catechu</i>
Norargemonine	<i>Thalictrum dasycarpum</i> , <i>T. occidentale</i>
Nupharine	<i>Nymphaea alba</i>
Nymphaeine	<i>Nymphaea alba</i>
Ocimene	<i>Tagetes patula</i>
Octacosanol	<i>Melochia tomentosa</i>
Octadecatetraenic acid	<i>Stellaria media</i>
Oleandomycin	<i>Nerium oleander</i>
Oleandrin	<i>Nerium oleander</i>
Oleic acid	<i>Aleurites moluceanu</i> , <i>Apium graveolens</i> , <i>Aquilegia vulgaris</i> , <i>Centella asiatica</i> , <i>Cucumis sativus</i> , <i>C. maxima</i> , <i>Linum usitatissimum</i> , <i>Myristica fragrans</i> , <i>Plantago asiatica</i> , <i>P. psyllium</i> , <i>Sesamum indicum</i> , <i>Trigonella foenum-graecum</i> , <i>Vitis vinifera</i>
Oleo-resins	<i>Aspidium filix-mis</i> , <i>Dryopteris filix-mas</i> , <i>Catharanthus roseus</i> , <i>Matteuccia struthiopteris</i>

Oleostearic acid	<i>Aleurites moluceanu</i>
Oligopeptides	<i>Prunus mume</i>
Organic acids	<i>Rubus coreanus</i> , <i>R. fruticosus</i> , <i>Sorbus aucuparia</i>
Oripavine	<i>Papaver rhoeaes</i> , <i>P. bracteatum</i>
Oxalates	<i>Rumex crispus</i> , <i>R. acetosella</i> , <i>R. aquaticus</i> , <i>R. obtusifolia</i>
Oxalic acid	<i>Salvia officinalis</i>
Oxyberberine	<i>Berberis aquifolium</i> , <i>Mahonia aquifolium</i>
Oxylenzoic acid	<i>Bignonia catalpa</i>
p-coumaric acid	<i>Matteuccia struthiopteris</i> , <i>Trifolium pratense</i> , <i>T. pratense</i>
p-hydroxybenzoic acid	<i>Matteuccia struthiopteris</i>
p-methoxystyrene	<i>Kaempferia galanga</i>
Pachymic acid	<i>Poria cocos</i>
Paenoiflorin	<i>Paeonia albiflora</i>
Paeonine	<i>Paeonia officinalis</i>
Paeonol	<i>Paeonia lactiflora</i>
Paliloleic acid	<i>Apium graveolens</i>
Palmitic acid	<i>Acorus calamus</i> , <i>A. gramineus</i> , <i>Angelica polymorpha</i> , <i>Apium graveolens</i> , <i>Aquilegia vulgaris</i> , <i>Areca catechu</i> , <i>Chrysanthemum cinerriaefolium</i> , <i>Cucumis sativus</i> , <i>Hibiscus sabdariffa</i> , <i>H. rosa-sinensis</i> , <i>Matteuccia struthiopteris</i> , <i>Menispermum palmatum</i> , <i>Paeonia lactiflora</i> , <i>Plantago asiatica</i> , <i>P. psyllium</i> , <i>Pyrethrum cinerariifolium</i> , <i>Solanum nigrum</i> , <i>Thevetai peruviana</i> , <i>Trigonella foenum-graecum</i> , <i>Vitis vinifera</i>
Panaxosides	<i>Panax quinquefolium</i> , <i>P. ginseng</i>
Pantothenic acid	<i>Lycopersicon esculentum</i>
Papaverine	<i>Papaver somniferum</i>
Paradin	<i>Paris quadrifolia</i>
Paridol	<i>Paris quadrifolia</i>
Parinaric acid	<i>Impatiens balsamina</i>
Paristyphnine	<i>Paris quadrifolia</i>
Pectin	<i>Althaea officinalis</i> , <i>Catharanthus roseus</i> , <i>Cydonia oblonga</i> , <i>Eleutherococcus senticosus</i> , <i>Fragaria vesca</i> , <i>Paris quadrifolia</i> , <i>Rhamnus catharticus</i> , <i>R. frangula</i> , <i>R. purshianus</i> , <i>Ribes nigrum</i> , <i>Rosa acicularis</i> , <i>R. rugosa</i> , <i>R. canina</i> , <i>R. damascena</i> , <i>R. gallica</i> , <i>Rubus idaeus</i> , <i>Sorbus aucuparia</i> , <i>Tagetes minuta</i> , <i>T. lucida</i> , <i>Crataegus laevigata</i> , <i>C. monongyna</i> , <i>C. oxyacantha</i>

Component	Source
Peimine	<i>Fritillaria verticillata</i>
Pelargonidin glycosides	<i>Anemone pulsatilla</i>
Pelletierene alkaloids	<i>Punica granatum</i>
Pentacosane	<i>Typha angustifolia</i> , <i>T. latifolia</i>
Pentagalotannin	<i>Paeonia lactiflora</i>
Pentagalloyl glucoside	<i>Paeonia lactiflora</i> , <i>P. albiflora</i>
Pentane	<i>Artemisia tridentata</i>
Pentoses	<i>Ulmus rubra</i> , <i>U. procera</i>
Peregrinine	<i>Paeonia officinalis</i>
Perillanin chloride	<i>Perilla frutescens</i>
Perlolyrin	<i>Codonopsis pilosula</i> , <i>C. tangshen</i>
Petroselaicid acid	<i>Apium graveolens</i>
Petroselinic acid	<i>Apium graveolens</i>
Phanol	<i>Rumex obtusifolia</i>
Phelandrine	<i>Artemisia dracunculus</i>
Phenol	<i>Menispermum palmatum</i> , <i>Rumex acetosella</i> , <i>R. aquaticus</i> , <i>Sesamum indicum</i>
Phenolic acid	<i>Artemisia absinthium</i> , <i>Equisetum hyemale</i> , <i>E. hirta</i> , <i>Inula britannica</i> , <i>I. japonica</i> , <i>Lycopus virginicus</i> , <i>Menyanthes trifoliata</i> , <i>Oenothera biennis</i> , <i>Polygala senega</i> , <i>Salix alba</i> , <i>S. discolor</i> , <i>Sambucus nigra</i> , <i>S. canadensis</i> , <i>Scrophularia ningpoensis</i>
Phenolic glycosides	<i>Geum aleppicum</i> , <i>G. urbanum</i> , <i>Populus balsamifera</i> , <i>P. candicans</i> , <i>Trifolium pratense</i>
Phenolic flavonols	<i>Rhamnus catharticus</i> , <i>R. frangula</i> , <i>R. purshianus</i>
Phenols	<i>Laminaria digitata</i> , <i>L. saccharine</i> , <i>L. longicurris</i> , <i>Myrica cerifera</i> , <i>M. penxylvanica</i> , <i>Primula vulgaris</i> , <i>P. veris</i>
Phenyl ethyl	<i>Rorippa nasturtium-aquaticum</i>
Phenyl-propanoid glycosides	<i>Pedicularis palustris</i> , <i>P. canadensis</i>
Phenylprepyl cinnamate	<i>Liquidambar orientalis</i> , <i>L. styraciflua</i>
Phenylpropanoids	<i>Aster tataricus</i> , <i>Eleutherococcus senticosus</i>
Phlobaphenes	<i>Alnus crispus</i> , <i>A. glutinosa</i> , <i>Potentilla erecoa</i> , <i>P. tormentilla</i>
Phthalides	<i>Cryptotaenia japonica</i> , <i>Ligusticum scoticum</i> , <i>L. lucidum</i> , <i>L. vulgare</i>

Phyllandrene	<i>Angelica archangelica, Cinnamomum cassia</i>
Physalin	<i>Lycium barbarum, L. pallidum, Physalis alkekengi</i>
Physcion	<i>Rhamnus catharticus, R. frangula, R. purshianus, Rumex acetosella, R. aquaticus, R. obtusifolia</i>
Phytic acid	<i>Glycine max</i>
Phytin	<i>Daucus carota</i>
Phytoene	<i>Crocus sativus</i>
Phytofluene	<i>Crocus sativus</i>
Phytosterols	<i>Calendula officinalis, Cannabis sativa, Marsdenia condurango, Physalis franchetti, P. pubescens, Rehmannia glutinosa, Schisandra chinensis, Smilax china, S. aristolochiifolia, Tilia cordata, T. europaea, Typha angustifolia, T. latifolia</i>
Pigments	<i>Tussilago farfara</i>
Pinecamphene	<i>Hyssopus officinalis</i>
Pinenes	<i>Asarum canadense, Cinnamomum cassia, Cnidium monnieri, Crocus sativus, Cryptotaenia japonica, Elettaria cardamomum, Hyssopus officinalis, Juniperus communis, J. sabina, J. sabina, J. horizontalis, Mentha spicata, M. x piperita, Menispermum palmatum</i>
Piperidine	<i>Piper cubeba</i>
Piperine	<i>Piper nigrum, P. longum</i>
Plastoquinones	<i>Castanea sativa</i>
Podophyllotoxin type lignans	<i>Platycladus occidentalis</i>
Polyacetylenes	<i>Aster tataricus, Carduus benedita</i>
Polygalic acid	<i>Solidago canadensis, S. virgaurea</i>
Polygalitol	<i>Polygala senega</i>
Polynes	<i>Oplopanax horridus</i>
Polypeptides	<i>Capsella bursa-pastoris, Thlaspi arvense</i>
Polyphenolic acids	<i>Galium aparine</i>
Polyphenols	<i>Camellia sinensis, Humulus lupulus, Lycopodium annotinum, L. clavatum, L. obscurum, Polygonum multiflorum, P. aviculare, P. viviparum</i>
Polysaccharides	<i>Agrimonia eupatoria, Carthamus tinctorius, Carum carvi, Codonopsis pilosula, C. tangshen, Eleutherococcus senticosus, Gelidium cartilagineum, Laminaria digitata, L. saccharina, L. longicruris, Lobelia pulmonaria, Panax ginseng, P. quinquefolium, Phragmites australis, Prunus mume, Urtica urens</i>
Populin	<i>Populus tremuloides</i>

Component	Source
Porphyrins	<i>Medicago sativa</i>
Potassium	<i>Chaenomeles speciosa</i>
Proanthocyanidins	<i>Crataegus laevigata</i> , <i>C. monongyna</i> , <i>C. oxyacantha</i>
Procyanidins	<i>Crataegus laevigata</i> , <i>C. monongyna</i> , <i>C. oxyacantha</i> , <i>Platycladus occidentalis</i>
Progesteron	<i>Dioscorea opposita</i>
Protein	<i>Aleurites moluceanu</i> , <i>Avena sativa</i> , <i>Coriandrum sativum</i> , <i>Glycine max</i> , <i>Oxyria digyna</i> , <i>Perilla frutescens</i> , <i>Phragmites communis</i> , <i>P. australis</i> , <i>Pimpinella anisum</i> , <i>Piper longum</i> , <i>P. nigrum</i> , <i>Sesamum indicum</i> , <i>Solanum aculeatissimum</i> , <i>S. melongena</i> , <i>Trigonella foenum-graecum</i> , <i>Viscum album</i>
Protoalkaloids	<i>Ephedra sinica</i>
Protoalnulin	<i>Alnus crispus</i> , <i>A. glutinosa</i>
Protoanemonin	<i>Clematis vitalba</i> , <i>C. virginiana</i> , <i>Pulsatilla chinensis</i>
Protoanemonoid compound	<i>Actaea rubra</i> , <i>A. alba</i>
Protuberberine alkaloids	<i>Berberis aquifolium</i> , <i>Mahonia aquifolium</i>
Protocatechetic acid	<i>Bignonia catalpa</i>
Protocatechuic	<i>Matteuccia struthiopteris</i>
Protopine	<i>Corydalis yanhusuo</i> , <i>C. solida</i>
Provitamin A	<i>Hippophae rhamnoides</i> , <i>Taraxacum officinale</i>
Prussic acid	<i>Prunus armeniaca</i>
Pseudocuramine	<i>Nerium oleander</i>
Pseudoephedrine	<i>Ephedra nevadensis</i>
Pseudohypericin	<i>Hypericum perforatum</i>
Psoralen	<i>Heracleum maximum</i> , <i>H. lanatum</i> , <i>H. sphondylium</i>
Psoraline	<i>Psoralea corylifolia</i>
Psyllic acid	<i>Lycium barbarum</i> , <i>L. pallidum</i>
Puerarin	<i>Pueraria thunbergiana</i> , <i>P. lobata</i>
Pulegone	<i>Menispermum palmatum</i> , <i>Mentha pulegium</i>
Pulin	<i>Taraxacum officinale</i>
Pulsatoside	<i>Pulsatilla chinensis</i>
Purgative oil	<i>Jatropha gossypifolia</i>

Purine	<i>Camellia sinensis</i>
Purpurea-glycosides A	<i>Digitalia purpurea</i>
Purpurea-glycosides B	<i>Digitalia purpurea</i>
Purpurin	<i>Rubia tinctorum</i>
Pyrethrins	<i>Chrysanthemum cinerriaefolium, Pyrethrum cinerariifolium</i>
Pyrogallol	<i>Leonurus cardiaca</i>
Pyrrolizidine	<i>Senecio vulgaris, S. aureus</i>
Pyrrolizidine alkaloids	<i>Tussilago farfara</i>
Quassin	<i>Ailanthus altissima, A. glandulosa, Picrasma excelsa</i>
Quassinoids	<i>Ailanthus altissima, A. glandulosa, Picrasma excelsa</i>
Querbrachitol	<i>Acalypha indica</i>
Quercetin	<i>Aesculus hippocastanum, Cornus canadensis, Crataegus laevigata, C. monongyna, C. oxyacantha, Hippophae rhamnoides, Hypericum perforatum, Impatiens balsamina, Loranthus europaeus, Urtica urens</i>
Ranunculin	<i>Anemone pulsatilla</i>
Raphanol	<i>Rorippa nasturtium-aquaticum</i>
Raphanolide	<i>Rorippa nasturtium-aquaticum</i>
Rehmannin	<i>Rehmannia glutinosa</i>
Rescinnamine	<i>Rauwolfia serpentina</i>
Rescrpine	<i>Alstonia scholaris, Rauwolfia serpentina</i>
Resins	<i>Acacia catechu, Acalypha indica, Actaea rubra, A. alba, Aesculus hippocastanum, Aletris farinosa, Alnus crispus, A. glutinosa, Anemone pulsatilla, Arctium lappa, Arenaria rubra, Artemisia vulgarts, Aspidium filix-mis, Berberis vulgaris, Calendula officinalis, Cimicifuga foetida, C. racemosa, Commiphora myrrha, C. molmol, Convolvulus jajapa, Cornus florida, Curcuma longa, Dryopteris filix-mas, Eleutherocossus senticosus, Eriobotrya japonica, Euphorbia lathyrus, Ferula assa-foetida, Glechoma hederacea, Humulus lupulus, Inula helenium, Jatropha gopsiifolia, Juniperus rigida, J. communis, J. sabina, J. horizontalis, Lycopodium clavatum, L. obscurum, Melilotus alba, M. arvensis, M. officinalis, Myrica cerifera, M. penxylvanica, Nymphaea alba, Papaver somniferum, Phytolacca acinosa, Pinus albicaulis, P. contorta, P. mugo, P. palustris, P. strobus, Piper cubeba, Rubia tinctorum, Saponaria officinalis, Saussurea lappa, Senecio aureus, S. vulgaris Smilax china, S. aristolochiifolia, Tagetes minuta, T. lucida, Taxus x media, T. brevifolia, Terminalia chebula, Thevetia peruviana, Trillium erectum, Viburnum opulus, V. prunifolium, Viscum album, Zanthoxylum americanum, Zea mays</i>

Component	Source
Retinol	<i>Oxyria digyna</i>
Rhamnetin-3-0-beta-D-galactoside	<i>Campanula rotundifolia</i> , <i>C. palustris</i>
Rhein	<i>Cassia angustifolia</i> , <i>C. senna</i> , <i>Rheum officinale</i> , <i>R. palmatum</i> , <i>R. tanguticum</i>
Rhein anthrones	<i>Rheum officinale</i> , <i>R. palmatum</i> , <i>R. tanguticum</i>
Rhodioloside	<i>Rhodiola rosea</i>
Rhyncophylline	<i>Uncaria gambir</i>
Riboflavin	<i>Lycopersicon esculentum</i>
Ricin	<i>Ricinus communis</i>
Ricinine	<i>Ricinus communis</i>
Ricinoleic acid	<i>Ricinus communis</i>
Rosagenin	<i>Nerium oleander</i>
Rotenone	<i>Tephrosia virginiana</i>
Ruberythric acid	<i>Rubia tinctorum</i>
Rutin	<i>Adiantum capillus-junonis</i> , <i>Artemisia dracuncululus</i> , <i>Crataegus laevigata</i> , <i>C. monongyna</i> , <i>C. oxyacantha</i> , <i>Fagopyrum turticum</i> , <i>F. esculentum</i> , <i>Hypericum perforatum</i> , <i>Nerium oleander</i> , <i>Sambucus racemosa</i>
Sabine	<i>Biota orientalis</i>
Sabinene	<i>Elettaria cardamomum</i> , <i>Juniperus rigida</i>
Safranal	<i>Crocus sativus</i>
Safrole	<i>Angelica polymorpha</i> , <i>Cinnamomum camphora</i> , <i>Illicium verum</i> , <i>Myristica fragrans</i>
Saikosides	<i>Bupleurum falcatum</i>
Salicarin	<i>Lythrum salicaria</i>
Salicin	<i>Populus tremuloides</i> , <i>Salix alba</i> , <i>Salix discolor</i>
Salicortin	<i>Salix alba</i> , <i>S. discolor</i>
Salicylates	<i>Cimicifuga racemosa</i> , <i>Spiraea ulmaria</i>
Salicylic acid	<i>Cimicifuga foetida</i> , <i>Ilex aquifolium</i> , <i>I. paraguensis</i> , <i>Iris versicolor</i> , <i>I. pseudacorus</i> , <i>Lonicera japonica</i> , <i>L. caerulea</i> , <i>L. caprifolium</i> , <i>Rubus chamaemorus</i> , <i>Solidago virgaurea</i> , <i>S. canadensis</i> , <i>Trifolium pratense</i> , <i>T. incarnatum</i>
Salicylic compounds	<i>Viola tricolor</i>
Salvin	<i>Salvia officinalis</i>

Sanguisorbic acid
Santalols
Santhophylls
Sapogenin
Saponins

Poterium officinale, Sanguisorba officinalis

Santalum album

Bidens tripartita

Dioscorea opposita, Saponaria officinalis

Acorus calamus, A. gramineus Aesculus hippocastanum, Anagalis arvensis, Anemone pulsatilla, Aster tataricus, A. tataricus, Avena sativa, Benincase hispida, Betula lenta, B. pendula, B. verrucosa, Calendula officinalis, Catharanthus roseus, Centella asiatica, Chenopodium ambrosioides, Clematis vitalba, C. virginiana, Cornus officinalis, C. florida, Digitalia purpurea, Eclipta alba, E. prostrata, Entada phaseoloides, Ephedra sinica, Glechoma hederacea, Glycine max, Glycyrrhiza glabra, Hydrangea arborescens, Impatiens balsamina, Leonurus cardiaca, Lysimachia vulgaris, Polygonatum odoratum, P. multiflorum, P. biflorum, Prunella vulgaris, Ranunculus ficaria, Saponaria officinalis, Solidago virgaurea, S. canadensis, Thymus vulgaris, T. capitatus, T. citriodorus, T. praecox, T. pulegiodes, T. serpyllum, T. vulgaris, Tribulus terrestris, Trillium erectum, Viola tricolor, Zea mays, Ziziphus jujuba

Sarsapic acid

Smilax china, S. aristolochiifolia

Saussarine

Saussurea lappa

Scabioside

Dipsacus fullonum

Sciadopitysin

Ginkgo biloba

Scoparoside

Cytisus scoparius

Scopoletin

Picrasma excelsa

Scordinins

Allium sativum, A. fistulosum, A. tuberosum

Scutellarin

Scutellaria baicalensis, S. macrantha, S. lateriflora

Secoiridoid glucosides

Centaurium erythraea

Secoiridoids

Erythrina centaurium

Sedacrine

Sedum acre

Sedacryptine

Sedum acre

Sedinine

Sedum acre

Selenium

Allium sativum, A. fistulosum, A. tuberosum

Senecionine

Senecio vulgaris, S. aureus

Seneciphyline

Senecio vulgaris, S. aureus

Sennoside A

Cassia angustifolia, C. senna

Component	Source
Sennoside B	<i>Cassia angustifolia</i> <i>C. senna</i>
Serine	<i>Lycopersicon esculentum</i>
Serotonin	<i>Phragmites australis</i> , <i>Urtica urens</i>
Sesquiterpene	<i>Achillea millefolium</i> , <i>Acorus calamus</i> , <i>A. gramineus</i> , <i>Angelica polymorpha</i> , <i>Aster tataricus</i> , <i>Biota orientalis</i> , <i>Catharanthus roseus</i> , <i>Eugenia caryophyllata</i> , <i>Glechoma hederacea</i> , <i>Oplonanax horridus</i> , <i>Pyrola</i> <i>rotundifolia</i> , <i>Saussurea lappa</i> , <i>S. lappa</i> , <i>Syzygium aromaticum</i> , <i>S. aromaticum</i>
Sesquiterpenic alcohol	<i>Angelica polymorpha</i>
Sesquiterpene hydrocarbons	<i>Santalum album</i>
Sesquiterpene lactones	<i>Alpinia galanga</i> , <i>Blumea balsumifera</i> , <i>Carduus benedita</i> , <i>Chrysanthemum cinerriaefolium</i> , <i>C. parthenium</i> , <i>Eupatorium perfoliatum</i> , <i>Geum aleppicum</i> , <i>G. urbanum</i> , <i>Lactuca serriola</i> <i>Phellodendron amurense</i> , <i>P. chinensis</i> , <i>Pyrethrum</i> , <i>cinerariifolium</i>
Sesquiterpenes patchoulol	<i>Pogostemon cablin</i>
Sesquiterpenoid	<i>Ferula assa-foetida</i>
Shikimic acid	<i>Euphorbia hirta</i>
Shishonin	<i>Perilla frutescens</i>
Shogaols	<i>Zingiber officinale</i>
Silibinin	<i>Silybum marianum</i>
Silicates	<i>Equisetum arvense</i> , <i>E. hyemale</i>
Silicic acid	<i>Equisetum hyemale</i> , <i>E. arvense</i> , <i>Polygonum aviculare</i> , <i>P. viviparum</i> , <i>P. multifolrum</i> , <i>Trifolium pratense</i>
Silymarin	<i>Silybum marianum</i>
Silymarin polyacetylenes	<i>Carduus marianus</i>
Sitosterol	<i>Centella asiatica</i> , <i>Epilobium parviflorum</i> , <i>Solanum nigrum</i> , <i>Tribulus terrestris</i>
Solamargine	<i>Solanum nigrum</i>
Solanine	<i>Solanum nigrum</i>
Solanocarpine	<i>Solanum xanthocarpum</i>
Solasodine	<i>Solanum nigrum</i> , <i>S. dulcamara</i>
Soldulcamaridine	<i>Solanum dulcamara</i>
Sorbitol	<i>Lonicera caerulea</i> , <i>L. caprifolium</i>
Sparteine	<i>Chelidonium majus</i> , <i>Cytisus scoparius</i>

Sphondin	<i>Heracleum maximum, H. lanatum, H. sphondylium</i>
Spinasterol	<i>Silene ocaulis, S. virginica</i>
Stachydrine	<i>Medicago sativa, Stachys officinalis</i>
Starch	<i>Smilax china, S. aristolochiifolia</i>
Stearic acid	<i>Apium graveolens, Areca catechu, Cucumis sativus, Linum usitatissimum, Myristica fragrans, Solanum nigrum, Thevetia peruviana, Vitis vinifera</i>
Sterins	<i>Codonopsis pilosula, Codonopsis tangshen</i>
Steroidal	<i>Veratrum viride</i>
Steroidal alkaloids	<i>Buxus sempervirens, Solanum xanthocarpum, S. dulcamara</i>
Steroidal saponins	<i>Aletris farinosa, Caulophyllum thalictroides, Dioscorea opposita, D. batatas, Smilax china, S. aristolochiifolia, Solanum dulcamara</i>
Steroids	<i>Humulus lupulus</i>
Sterols	<i>Achillea millefolium, Astragalus membranaceus, A. americana, Bidens tripartita, B. connata, Cimicifuga racemosa, Equisetum hyemale, Euonymus atropurpureus, Eupatorium perfoliatum, Lawsonia inermis, Ledum palustre, Linaria vulgaris, Menyanthes trifoliata, Phellodendron amurense, P. chinensis, Physalis alkekengi, Polygala senega, Pueraria thunbergiana, P. lobata, Sambucus nigra, S. canadensis, Saponaria officinalis, Tussilago farfara</i>
Sticinic acid	<i>Lobelia chinensis</i>
Stictic acid	<i>Lobelia chinensis</i>
Stigmast-4-3-one	<i>Urtica urens</i>
Stigmasterol	<i>Matteuccia struthiopteris, Melochia tomentosa, Rehmannia glutinosa, Scutellaria baicalensis, S. macrantha, S. lateriflora, Urtica urens</i>
Strychnine	<i>Strychnos nux-vomica</i>
Suberins	<i>Quercus robur</i>
Sugars	<i>Linaria vulgaris, Papaver somniferum, Phaseolus vulgaris, Ziziphus jujuba</i>
Sumaresinolic acid esters	<i>Styrax benzoin</i>
Swertiamarin	<i>Centaurium erythraea</i>
Syringaldehyde	<i>Phragmites australis</i>
Syringic acid	<i>Eucalyptus citriodora, E. globulus</i>
Tagetone	<i>Tagetes patula</i>

Component

Tangshenoside
Tannic acid

Tannin

Tannins

Source

Codonopsis pilosula, *C. tangshen*

Cornus florida, *Cypripedium calceolus*, *C. pariflorum*, *Glycyrrhiza glabra*, *Rumex acetosella*, *R. aquaticus*,
R. obtusifolia

Adiantum capillus-junonis, *Aesculus hippocastanum*, *Aleurites moluceanu*, *Anemone pulsatilla*, *Artemisia vulgarts*, *Dodonaea viscosa*, *Hydrangea arborescens*, *Jatropha gossypifolia*, *Juglans regia*, *Lythrum salicaria*, *Rheum officinale*, *R. palmatum*, *R. tanguticum*, *Salvia officinalis*, *Trillium erectum*

Abutilon indicum, *Acacia catechu*, *Acalypha indica*, *Achillea millefolium*, *Agrimonia eupatoria*, *Ailanthus altissima*, *A. glandulosa*, *Alnus crispus*, *A. glutinosa*, *Amaranthus hypochondriacus*, *Anagalis arvensis*, *Anemone hepatica*, *A. patens*, *A. pulsatilla*, *Aralia catechu*, *A. nudicaulis*, *A. racemosa*, *Arctium lappa*, *Areca catechu*, *Aristolochia clematitidis*, *A. serpentaria*, *Artemisia absinthium*, *A. dracunculus*, *Berberis vulgaris*, *Betula lenta*, *B. pendula*, *B. verrucosa*, *Bidens tripartita*, *B. connata*, *Caesalpinia ascendens*, *C. bonducella*, *C. sylvatica*, *Castanea sativa*, *Catharanthus roseus*, *Celtis australis*, *Chamaenerion angustifolium*, *Chimaphila umbellata*, *Chrysanthemum parthenium*, *Cimicifuga foetida*, *Cinnamomum zeglanicum*, *Conyza canadensis*, *Cornus officinalis*, *C. canadensis*, *C. florida*, *Corylus avellana*, *C. cornuta*, *C. rostrata*, *C. americana*, *C. laevigata*, *C. monongyna*, *C. oxycantha*, *Cydonia oblonga*, *C. oblonga*, *Daphne genkwa*, *D. mezereum*, *Datura innoxia*, *D. metel*, *D. stramonium*, *Ephedra sinica*, *Epilobium angustifolium*, *Erigeron canadensis*, *Eugenia caryophyllata*, *Euonymus atropurpureus*, *Fragaria vesca*, *Fraxinus ornus*, *Galium aparine*, *Gelsemium sempervirens*, *Geranium macrorrhizum*, *G. robertianum*, *G. maculatum*, *Geum aleppicum*, *G. urbanum*, *Glechoma hederacea*, *Gnaphalium uliginosum*, *Hedera helix*, *Hippophae rhamnoides*, *Humulus lupulus*, *Hyssopus officinalis*, *Lawsonia inermis*, *Ledum palustre*, *Linaria vulgaris*, *Lobelia chinensis*, *Lonicera japonica*, *L. caerulea*, *L. caprifolium*, *Lysimachia vulgaris*, *Malva sylvestris*, *M. rotundifolia*, *Matricaria chamomilla*, *Melia azedarach*, *Melilotus alba*, *M. arvensis*, *M. officinalis*, *Menyanthes trifoliata*, *Murraya koenigii*, *Myrica cerifera*, *M. pennsylvanica*, *Oenothera biennis*, *Paeonia officinalis*, *Parietaria judaica*, *Pinus albicaulis*, *P. contorta*, *P. mugo*, *P. palustris*, *P. strobus*, *Pistacia lentiscus*, *Plantago major*, *Polygonum aviculare*, *P. viviparum*, *P. multiflorum*, *Populus tremuloides*, *Potentilla erecoa*, *P. tormentilla*, *Poterium officinale*, *Primula vulgaris*, *P. veris*, *Prunella vulgaris*, *Prunus americana*, *Pulsatilla vulgaris*, *Quercus robur*, *Ranunculus ficaria*, *Ribes nigrum*, *Rubus coreanus*, *R. fruticosus*, *R. idaeus*, *Rumex crispus*, *Salix alba*, *S. discolor*, *Sambucus racemosa*, *Sanguisorba officinalis*, *Scutellaria baicalensis*, *S. macrantha*,

	<i>S. lateriflora, Solanum dulcamara, Solidago canadensis, S. virgaurea, Sorbus aucuparia, Spiraea ulmaria, Stachys officinalis, Syzygium aromaticum, Tagetes minuta, T. lucida, Taraxacum officinale, Terminalia chebula, Thuja occidentalis, Thymus vulgaris, T. capitatus, T. citriodorus, T. praecox, T. pulegiodes, T. serpyllum, Tilia cordata, T. europaea, Tribulus terrestris, Trifolium pratense, Tussilago farfara, Ulmus rubra, U. procera, Vaccinium myrtilloides, V. myrtillus, V. oreophilum, Verbena officinalis, Veronica officinalis, Viburnum opulus, V. prunifolium, Viola tricolor, Vitis vinifera, Zanthoxylum americanum, Zea mays</i>
Taraxacin	<i>Taraxacum officinale</i>
Taraxasterol	<i>Inula britannica, I. japonica, Taraxacum officinale</i>
Taraxerol	<i>Alnus crispus, A. glutinosa, Taraxacum officinale, Tilia cordata, T. europaea</i>
Tartalic acid	<i>Cornus florida, Crataegus laevigata, C. monongyna, C. oxyacantha, Hibiscus rosa-sinensis, H. sabdariffa, Tussilago farfara, Vitis vinifera</i>
Taxol	<i>Taxus x media, T. brevifolia</i>
Tectoridin	<i>Belamcanda chinensis</i>
Tectorigenin	<i>Belamcanda chinensis</i>
Tephrosin	<i>Tephrosia virginiana</i>
Terpenes	<i>Conyza canadensis, Erigeron canadensis, Hyssopus officinalis, Saussurea lappa</i>
Terpenoids	<i>Adiantum capillus-junonis, Aster tataricus, Euphorbia hirta, Ligustrum lucidum, L. scoticum, L. vulgare, Melaleuca leucadendra, Mentha arvensis, M. haplocalyx, M. pulegium, Populus alba</i>
Terpinene	<i>Coriandrum sativum, Elettaria cardamomum, Juniperus communis, J. sabina, J. horizontalis, Mentha spicata, M. x piperita</i>
Terpineol	<i>Asarum canadense, Cinnamomum camphora, Conyza canadensis, Erigeron canadensis</i>
Terrestriamide	<i>Tribulus terrestris</i>
Tetrahydro-cannabinols	<i>Cannabis sativa</i>
Tetrahydropalmatine	<i>Corydalis yanhusuo, C. solida</i>
Tetrandrine	<i>Menispermum canadense</i>
Thalicarpine	<i>Thalictrum dasycarpum, T. occidentale</i>
Thalidasine	<i>Thalictrum dasycarpum, T. occidentale</i>
Thalisopavine	<i>Thalictrum dasycarpum, T. occidentale</i>
Thamnolic	<i>Lobelia pulmonaria</i>

Component	Source
Thebaine	<i>Papaver rhoeas</i> , <i>P. bracteatum</i>
Theophylline	<i>Camellia sinensis</i>
Thiamine	<i>Aleurites moluceanu</i> , <i>Artemisia vulgarts</i> , <i>Camellia sinensis</i> , <i>Cannabis sativa</i> , <i>Daucus carota</i> , <i>Hibiscus rosa-sinensis</i> , <i>H. sabdariffa</i> , <i>Lycoperiscon esculentum</i> , <i>Prunus mume</i> , <i>Zea mays</i>
Thiophenes	<i>Tagetes patula</i>
Thujone	<i>Artemisia vulgarts</i> , <i>Chrysanthemum vulgare</i> , <i>Salvia coccinea</i> , <i>S. officinalis</i> , <i>Thuja occidentalis</i>
Thujyl alcohol	<i>Artemisia absinthium</i>
Thymol	<i>Thymus vulgaris</i> , <i>T. capitatus</i> , <i>T. citriodorus</i> , <i>T. praecox</i> , <i>T. pulegiodes</i> , <i>T. serpyllum</i>
Tiger nut oil	<i>Cyperus rotundus</i>
Tigonenin	<i>Solanum nigrum</i>
Tiliadine	<i>Tilia cordata</i> , <i>T. europaea</i>
Tinnins	<i>Angelica archangelica</i> , <i>Fraxinus americana</i> , <i>F. excelsior</i> , <i>F. ornus</i> , <i>Juniperus rigida</i> , <i>Nymphaea alba</i> , <i>Senecio vulgaris</i> , <i>S. aureus</i>
Tocopherol	<i>Glycine max</i> , <i>Rubus chamaemorus</i>
Toxicodendrol	<i>Rhus radicans</i> , <i>R. glabra</i> , <i>R. toxicodendron</i>
<i>Trans</i> -aconitic acid	<i>Actaea rubra</i> , <i>A. alba</i>
<i>Trans</i> -5, <i>cis</i> -9-octadecadienoic acid	<i>Thalictrum dasycarpum</i> , <i>T. occidentale</i>
<i>Trans</i> -5-hexadecenoic acid	<i>Thalictrum dasycarpum</i> , <i>T. occidentale</i>
Triacetoneamine	<i>Acalypha indica</i>
Triacylglycerols	<i>Lythrum salicaria</i>
Triandrin	<i>Salix alba</i> , <i>S. discolor</i>
Tribulusamide B	<i>Tribulus terrestris</i>
Tribulusamide A	<i>Tribulus terrestris</i>
Trichosanic acid	<i>Trichosanthes kirilowii</i>
Tricin	<i>Phragmites australis</i>
Trigonelline	<i>Cannabis sativa</i> , <i>Trigonella foenum-graecum</i>
Trillin	<i>Trillium erectum</i>
Triterpene	<i>Chimaphila umbellata</i>
Triterpene glycosides	<i>Cimicifuga racemosa</i> , <i>C. foetida</i>

Triterpene saponins	<i>Glycyrrhiza uralensis</i>
Triterpene acid	<i>Liquidambar orientalis</i> , <i>L. styraciflua</i>
Triterpenenes	<i>Lycopodium annotinum</i>
Triterpenes	<i>Achillea millefolium</i> , <i>Anethum graveoleus</i> , <i>Aspidium filix-mis</i> , <i>Aster tataricus</i> , <i>Calendula officinalis</i> , <i>Dryopteris filix-mas</i> , <i>Inula britannica</i> , <i>I. japonica</i> , <i>Lycopodium clavatum</i> , <i>L. obscurum</i> , <i>Myrica cerifera</i> , <i>M. penxylvanica</i> , <i>Peucedanum graveolens</i> , <i>Sambucus nigra</i> , <i>S. canadensis</i>
Triterpenoid bitters	<i>Melia azedarach</i>
Triterpenoid saponins	<i>Achyranthes bidentata</i> , <i>Anemone hepatica</i> , <i>A. patens</i> , <i>A. pulsatilla</i> , <i>Arisaema consanguineum</i> , <i>Bupleurum falcatum</i> , <i>Codonopsis pilosula</i> , <i>C. tangshen</i> , <i>Eleutherococcus senticosus</i> , <i>Phytolacca acinosa</i> , <i>Polygala vulgaris</i> , <i>P. senega</i> , <i>Primula vulgaris</i> , <i>P. veris</i> , <i>Pulsatilla vulgaris</i> , <i>Stellaria media</i> , <i>Wisteria floribunda</i> , <i>W. brachybotrys</i>
Triterpenoids	<i>Centella asiatica</i> , <i>Crataegus laevigata</i> , <i>C. monogyna</i> , <i>C. oxyacantha</i> , <i>Ilex aquifolium</i> , <i>I. paraguensis</i> , <i>Iris versicolor</i> , <i>I. pseudacorus</i> , <i>Menyanthes trifoliata</i> , <i>Punica granatum</i> , <i>Wisteria floribunda</i> , <i>W. brachybotrys</i>
Tropane alkaloids	<i>Hyoscyamus niger</i>
Turmerone	<i>Curcuma longa</i>
Tyramine	<i>Capsella bursa-pastoris</i> , <i>Thlaspi arvense</i>
Tyrosine	<i>Phaseolus vulgaris</i>
Umbelliferone	<i>Hieracium pilosella</i> , <i>Matricaria chamomilla</i>
Uric acid	<i>Aesculus hippocastanum</i>
Ursolic acid	<i>Jasaminum grandiflorum</i> , <i>J. officinale</i> , <i>Prunella vulgaris</i> , <i>Pyrola rotundifolia</i>
Urushiol	<i>Rhus radicans</i> , <i>R. glabra</i> , <i>R. toxicodendron</i>
Valepotriates	<i>Valeriana officinalis</i>
Valerianic acid	<i>Ananas comosus</i>
Valeric acid	<i>Angelica archangelica</i>
Valtrate	<i>Valeriana officinalis</i>
Vanillic acid	<i>Ananas comosus</i> , <i>Eucalyptus citriodora</i> , <i>E. globulus</i> , <i>Matteuccia struthiopteris</i> , <i>Phragmites australis</i> , <i>Spiraea ulmaria</i> , <i>Styrax benzoin</i> , <i>Tilia cordata</i> , <i>T. europaea</i>
Vellarin	<i>Centella asiatica</i>
Verbenalin	<i>Cornus officinalis</i> , <i>C. florida</i> , <i>Verbena officinalis</i>
Vervenin	<i>Verbena officinalis</i>

Component	Source
Viburnito	<i>Menispermum canadense</i>
Vinblastine	<i>Catharanthus roseus</i>
Violin	<i>Viola tricolor</i>
Viscin	<i>Viscum album</i>
Viscotoxin	<i>Viscum album</i>
Vitamin A	<i>Artemisia annua, Citrus aurantium, Physalis franchetti, Morus alba, P. pubescens, Pinus albicaulis, P. contorta, P. mugo, P. palustris, P. strobus, Polygonatum odoratum, P. multiflorum, P. biflorum, Raphanus sativus, Sambucus nigra, S. canadensis, Solanum aculeatissimum, S. melongena, S. tuberosum, Vaccinium vitis-idaea, V. macrocarpon</i>
Vitamin B	<i>Actinidia polygama, Citrus aurantium, Prunella vulgaris, Raphanus sativus, Sesamum indicum</i>
Vitamin B complex	<i>Avena sativa, Daucus carota, Hippophae rhamnoides, Rosa canina, R. damascena, R. gallica</i>
Vitamin B ₁	<i>Lycium barbarum, Morus alba, Picrasma excelsa, Ribes nigrum</i>
Vitamin B ₁₂	<i>Lycium barbarum</i>
Vitamin B ₂	<i>Morus alba, Solanum aculeatissimum, S. melongena, S. tuberosum</i>
Vitamin C	<i>Actinidia polygama, Cardamine pratensis, Citrus aurantium, Coriandrum sativum, Daucus carota, Fragaria vesca, Hippophae rhamnoides, Lepidium virginicum, Lycium barbarum, Morinda didyma, M. fistulosa, M. punctata, Morus alba, Physalis alkekengi, P. franchetti, P. pubescens, Pinus albicaulis, P. contorta, P. mugo, P. palustris, P. strobus, Prunella vulgaris, Raphanus sativus, Rhamnus catharticus, R. frangula, R. purshianus, Ribes nigrum, Rosa canina, R. damascena, R. gallica, Rubus coreanus, R. idaeus, R. chamaemorus, R. fruticosus, Sambucus nigra, S. canadensis, Schisandra chinensis, Sesamum indicum, Solanum aculeatissimum, S. melongena, S. tuberosum, Sorbus aucuparia, Stellaria media, Taraxacum officinale, Taraxacum officinale, Vaccinium vitis-idaea, V. macrocarpon, Veronica officinalis</i>
Vitamin E	<i>Carthamus tinctorius, Hippophae rhamnoides, Ribes nigrum, Schisandra chinensis</i>
Vitamin K	<i>Prunella vulgaris, Solanum tuberosum</i>
Vitamin P	<i>Forsythia suspensa, Ribes nigrum</i>
Vitamins	<i>Rorippa nasturtium-aquaticum, Cucurbita maxima, Ficus carica, Glycine max, Medicago sativa, Rosa rugosa, R. acicularis, Ziziphus jujuba</i>
Vitexin	<i>Lythrum salicaria</i>
Viticine	<i>Vitex labrusca, V. agnus-castus</i>

Volatile oil	<i>Acalypha indica</i> , <i>Aletris farinosa</i> , <i>Alpinia galanga</i> , <i>Anemone hepatica</i> , <i>A. patens</i> , <i>A. pulsatilla</i> , <i>Anthriscus cerefolium</i> , <i>Apocynum androsaemifolium</i> , <i>Aralia catechu</i> , <i>A. nudicaulis</i> , <i>A. racemosa</i> , <i>Aristolochia clematitidis</i> , <i>A. serpentaria</i> , <i>Artemisia tridentata</i> , <i>Aspidium filix-mis</i> , <i>Bidens tripartita</i> , <i>B. connata</i> , <i>Carduus benedicta</i> , <i>Cryptotaenia canadensis</i> , <i>Curcuma longa</i> , <i>Cymbopogon winterianus</i> , <i>C. citratus</i> , <i>C. martinii</i> , <i>Desmodium gangeticum</i> , <i>Drosera rotundifolia</i> , <i>Dryopteris filix-mas</i> , <i>Ephedra sinica</i> , <i>Eriobotrya japonica</i> , <i>Eupatorium perfoliatum</i> , <i>Fraxinus ornus</i> , <i>F. americana</i> , <i>F. excelsior</i> , <i>Gardenia angusta</i> , <i>Geum urbanum</i> , <i>Gnaphalium uliginosum</i> , <i>Inula britannica</i> , <i>I. japonica</i> , <i>Justicia adhatoda</i> , <i>Lonicera japonica</i> , <i>Lophanthus rugosus</i> , <i>Magnolia liliflora</i> , <i>M. officinalis</i> , <i>Marsdenia condurango</i> , <i>Melilotus alba</i> , <i>M. arvensis</i> , <i>Murraya koenigii</i> , <i>Nicotiana tabacum</i> , <i>Piper longum</i> , <i>P. cubeba</i> , <i>P. nigrum</i> , <i>Polygala vulgaris</i> , <i>Primula vulgaris</i> , <i>Primula veris</i> , <i>Pulsatilla vulgaris</i> , <i>Ranunculus ficaria</i> , <i>Rumex crispus</i> , <i>Saponaria officinalis</i> , <i>Senecio vulgaris</i> , <i>Syzygium aromaticum</i> , <i>Trillium erectum</i> , <i>Verbena officinalis</i> , <i>Zingiber officinale</i>
Wax	<i>Papaver somniferum</i> , <i>Thuja occidentalis</i>
Withanolides	<i>Datura innoxia</i> , <i>D. metel</i> , <i>D. stramonium</i>
Wogonin	<i>Scutellaria baicalensis</i> , <i>S. macrantha</i> , <i>S. lateriflora</i>
Worenine	<i>Coptis chinensis</i>
Xanthones	<i>Anethum graveolens</i> , <i>Centaurium erythraea</i> , <i>Peucedanum graveolens</i> , <i>Swertia chirata</i>
Xanthophylls	<i>Bidens tripartita</i> , <i>B. connata</i>
Xylan	<i>Luffa aegyptiaca</i> , <i>L. cylindrica</i>
Xylose	<i>Cannabis sativa</i> , <i>Luffa aegyptiaca</i> , <i>L. cylindrica</i>
Yohimbine	<i>Rauvolfia serpentina</i>
Zingiberen	<i>Curcuma longa</i>

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