

Crystal Data: Monoclinic. *Point Group:* 2/m.

Physical Properties: *Cleavage:* *Tenacity:* *Fracture:*
Hardness = D(meas.) = D(calc.) =

Optical Properties: *Color:* *Streak:* *Luster:*
Optical Class:

Cell Data: *Space Group:* C2/m. $a = 24.801(5)$ $b = 6.352(1)$ $c = 11.245(2)$ $\beta = 114.51(3)^\circ$

X-Ray Diffraction Pattern: Tynebottom Mine, Garrigill, Cumbria, United Kingdom.
6.376 (99), 2.764 (98), 2.698 (94), 3.187 (65), 4.116 (55), 2.822 (52), 6.131 (51), 2.503 (41)

Chemistry:

Polymorphism & Series:

Mineral Group:

Occurrence:

Association:

Distribution From the Tynebottom Mine, Garrigill, Cumbria, United Kingdom.

Name:

Type Material: Natural History Museum, London, England (BM2007,81 holotype; BM2007,82 and BM2007,83 cotypes).

References: (1) Miyawaki, R., F. Hatert, M. Pasero, and S.J. Mills (2019) IMA Commission on New Minerals, Nomenclature and Classification (CNMNC) Newsletter 52. New minerals and nomenclature modifications approved in 2019. *Mineral. Mag.*, 83, 891.