

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:* $P2_1/c$. $a = 3.1275(2)$ $b = 11.9690(8)$ $c = 9.4657(5)$ $\beta = 97.568(6)^\circ$

X-Ray Diffraction Pattern: Ploskiy Tolbachik volcano, Kamchatka peninsula, Russia.
2.764 (100), 5.501 (95), 2.524 (94), 4.700 (69), 2.444 (45), 2.320 (31), 3.675 (26)

Chemistry:

Mineral Group: Ludwigite group.

Occurrence: A sublimate around an active volcanic fumarole.

Association:

Distribution: The southern slope of the Ploskiy Tolbachik volcano, Kamchatka peninsula, Far-Eastern Region, Russia.

Name:

Type Material: A.E. Fersman Mineralogical Museum, RAS, Moscow, Russia (4854/1).

References: (1) Hålenius, U, F. Hatert, M. Pasero, and S.J. Mills (2016) IMA Commission on New Minerals, Nomenclature and Classification (CNMNC) Newsletter 32. New minerals and nomenclature modifications approved in 2016. *Mineral. Mag.*, 80, 917-918.