

**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.