

Crystal Data: Monoclinic. *Point Group:* 2/m. As rough prismatic crystals, to 200 μ m.

Physical Properties: *Cleavage:* Good on {100}, parting \perp to elongation.
Fracture: Irregular. *Tenacity:* Brittle. Hardness = n.d. D(meas.) = n.d. D(calc.) = 3.772

Optical Properties: n.d. *Color:* Orange-reddish. *Streak:* White. *Luster:* Vitreous.
Optical Class: n.d. n (calc.) = 1.766

Cell Data: Space Group: P2₁/n. $a = 6.7099(3)$ $b = 29.0008(13)$ $c = 7.5668(3)$
 $\beta = 95.469(3)^\circ$ $Z = 4$

X-ray Powder Pattern: Calculated pattern.
3.266 (100), 2.612 (98), 2.963 (83), 3.094 (82), 2.953 (79), 3.159 (72), 2.788 (68)

Chemistry:	(1)	(2)
V ₂ O ₅	1.84	
As ₂ O ₅	6.81	13.52
SiO ₂	38.75	35.34
CaO	0.70	
MnO	50.28	50.08
H ₂ O	1.42	1.06
Total	99.80	100.00

(1) Molinello mine, Graveggia Valley, Ne, Genoa, Liguria, Italy; average of 10 electron microprobe analyses supplemented by Raman spectroscopy, (OH)⁻ calculated for electroneutrality; corresponds to $(Mn_{5.89}Ca_{0.10})_{\Sigma=5.99}[(As_{0.49}V_{0.17})_{\Sigma=0.66}Si_{5.35}]_{\Sigma=6.01}O_{17.69}(OH)_{1.31}$. (2) $Mn^{2+}{}_6As^{5+}Si_5O_{18}(OH)$.

Mineral Group: Medaite group.

Occurrence: A late-stage hydrothermal mineral in quartz veinlets that cut braunite ore bodies hosted by metacherts, which overlay a mafic-ultramafic ophiolitic sequence.

Association: Calcian rhodochrosite, talc, braunite, quartz, calcite, As-rich medaite, ganophyllite.

Distribution: From the Molinello mine, Graveggia Valley, Ne, Genoa, Liguria, Italy.

Name: Indicates the arsenic analogue of *medaite*.

Type Material: Natural History Museum, University of Pisa (19901) and the Department of Earth Science, University of Genoa (MO483), Italy.

References: (1) Biagioli, C., D. Belmonte, C. Carbone, R. Cabella, F. Zaccarini, and C. Balestra (2019) Arsenmedaite, $Mn^{2+}{}_6As^{5+}Si_5O_{18}(OH)$, the arsenic analogue of medaite, from the Molinello mine, Liguria, Italy: occurrence and crystal structure. Eur. J. Mineral., 31(1), 117-126. (2) (2020) Amer. Mineral., 105(7), 1109-1110 (abs. ref. 1).