

Phase composition, crystal and local structure of synthetic colusite $\text{Cu}_{26}\text{V}_2\text{Sn}_6\text{S}_{32}$

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Supplementary Information

Table S1. Interatomic distances in the crystal structures of $\text{Cu}_{26}\text{V}_2\text{Sn}_6\text{S}_{32}$

$\text{Cu}_{26}\text{V}_2\text{Sn}_6\text{S}_{32}$ powder data		$\text{Cu}_{26}\text{V}_2\text{Sn}_6\text{S}_{32}$ single crystal data	
bond	dist., Å	bond	dist., Å
Cu1-S2	2.244(7)	Cu1-S2	2.295(1)
Cu1-S2	2.244(7)	Cu1-S2	2.295(1)
Cu1-S2	2.244(7)	Cu1-S2	2.295(1)
Cu1-S2	2.244(7)	Cu1-S2	2.295(1)
Cu2-S1	2.322(8)	Cu2-S1	2.408(3)
Cu2-S2	2.301(9)	Cu2-S2	2.288(2)
Cu2-S2	2.301(9)	Cu2-S2	2.288(2)
Cu2-S2	2.301(9)	Cu2-S2	2.288(2)
Cu3-S1	2.366(9)	Cu3-S1	2.3106(7)
Cu3-S1	2.366(9)	Cu3-S1	2.3106(7)
Cu3-S2	2.364(8)	Cu3-S2	2.310(1)
Cu3-S2	2.364(8)	Cu3-S2	2.310(1)
V1-Cu3	2.713(4)	V1-Cu3	2.7068(6)
V1-Cu3	2.713(4)	V1-Cu3	2.7068(6)
V1-Cu3	2.713(4)	V1-Cu3	2.7068(6)
V1-Cu3	2.713(4)	V1-Cu3	2.7068(6)
V1-Cu3	2.713(4)	V1-Cu3	2.7068(6)
V1-Cu3	2.713(4)	V1-Cu3	2.7068(6)
V1-S1	2.399(7)	V1-S1	2.237(2)
V1-S1	2.399(7)	V1-S1	2.237(2)
V1-S1	2.399(7)	V1-S1	2.237(2)
V1-S1	2.399(7)	V1-S1	2.237(2)
Sn1-S2	2.392(7)	Sn1-S2	2.406(2)
Sn1-S2	2.392(7)	Sn1-S2	2.406(2)
Sn1-S2	2.392(7)	Sn1-S2	2.406(2)
Sn1-S2	2.392(7)	Sn1-S2	2.406(2)