



>>Entry Name: Copper molybdenum oxide (CuMoO₄)

Synonym(s): Copper molybdate (CuMoO₄)

CAS Registry Number: 13767-34-5

CuMoO₄

Molecular Formula: CuMoO₄

Molecular Weight: 223.484

Accurate Mass: 224.824664

Percentage Composition: Cu 28.43%; Mo 42.93%; O 28.64%

Source/Synthesis: Phase in the MoO₂-CuO system

Physical Description: Green cryst.

Melting Point: Mp 820°

Other Data: Paramagnetic

References:

Zelikman, A.N., *Zh. Neorg. Khim.*, 1956, **1**, 2778; *CA*, 1957, **51**, 10287h, (*synth*)

Kohlmuller, R. *et al.*, *C. R. Hebd. Seances Acad. Sci. Ser. C*, 1967, **264**, 1751, (*synth, cryst struct*)

Abrahams, S.C. *et al.*, *J. Chem. Phys.*, 1968, **48**, 2619, (*cryst struct*)

Brown, R.G. *et al.*, *Spectrochim. Acta A*, 1970, **26**, 963, (*ir*)

Buzdov, K.A. *et al.*, *Russ. J. Inorg. Chem. (Engl. Transl.)*, 1985, **30**, 1609, (*synth*)