



>>Entry Name: Cobalt(II) tungsten oxide (CoWO₄)

Synonym(s): Cobalt tungstate (CoWO₄)

CAS Registry Number: 10101-58-3

CoWO₄

Molecular Formula: CoO₄W

Molecular Weight: 306.781

Accurate Mass: 306.863786

Percentage Composition: Co 19.21%; O 20.86%; W 59.93%

General Statement: Has the wolframite struct.

Source/Synthesis: Phase in the CoO-WO₃ system

Physical Description: Blue-green cryst.

Solubility: Insol. H₂O

References:

Schultze, D. *et al.*, *Z. Anorg. Allg. Chem.*, 1967, **352**, 184, (*synth*)

Lesne, J.P. *et al.*, *Ann. Chim. (Paris)*, 1974, **9**, 57, (*ir, Raman*)

Weitzel, H., *Z. Kristallogr., Kristallgeom., Kristallphys., Kristallchem.*, 1977, **144**, 238, (*cryst struct*)

Wilkinson, C. *et al.*, *Z. Kristallogr., Kristallgeom., Kristallphys., Kristallchem.*, 1977, **145**, 96, (*magnetic struct*)