



>>Entry Name: Copper(II) diphosphate (Cu₂(P₂O₇))

Synonym(s): Cupric pyrophosphate

CAS Registry Number: 15191-80-7

Related CAS Registry Numbers(s): 10102-90-6

Cu₂[P₂O₇]

Molecular Formula: Cu₂O₇P₂

Molecular Weight: 301.035

Accurate Mass: 299.791125

Percentage Composition: Cu 42.22%; O 37.20%; P 20.58%

General Statement: Dimorphic with a transition temp. =70°

Source/Synthesis: Prepd. from aq. CuSO₄ + Na₄P₂O₇

Physical Description: Blue-green cryst.

References:

Robertson, B.E. *et al.*, *Can. J. Chem.*, 1968, **46**, 605, (*cryst struct*)

Streger, E. *et al.*, *Spectrochim. Acta A*, 1968, **24**, 447, (*synth, ir*)

Effenberger, H., *Acta Cryst. C*, 1990, **46**, 691, (*cryst struct*)