



>>Entry Name: Cobalt formate

Synonym(s): Formic acid cobalt(2+) salt, 12Cl

CAS Registry Number: 544-18-3

Co(OOCH)₂

Molecular Formula: C₂H₂CoO₄

Molecular Weight: 148.969

Accurate Mass: 148.928508

Percentage Composition: C 16.13%; H 1.35%; Co 39.56%; O 42.96%

>>Derivative: Dihydrate

CAS Registry Number: 6424-20-0

Source/Synthesis: Synth. by electrol. of HCOOH/alkali formate with a Co anode, or from CoCO₃ and HCOOH

Physical Description: Cryst.

Other Data: Dehydrates at 135°

References:

Gmelin Handbook Inorg. Chem., Syst. No. 58, 1961, 702, (*synth, props*)

Baraldi, P., *Spectrochim. Acta A*, 1979, **35**, 1003, (*synth, ir*)

Antsyshkina, A.S. *et al.*, *Koord. Khim.*, 1991, **17**, 197, (*cryst struct*)