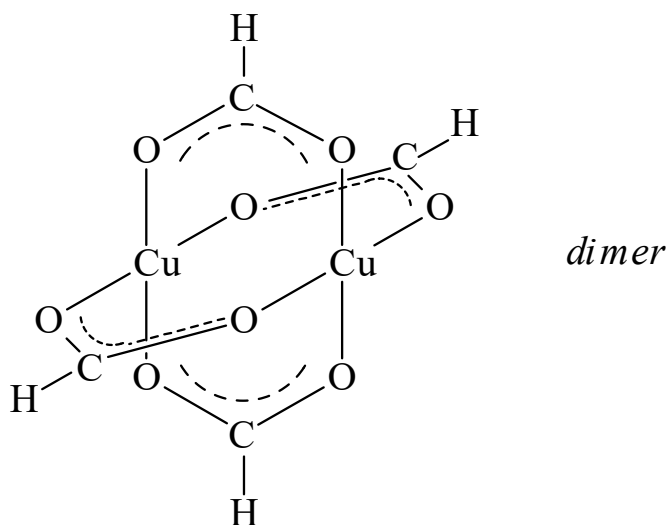




>>Entry Name: Copper(II) formate

Synonym(s): Cupric formate. Tubercuprose



CAS Registry Number: 544-19-4

Extra CAS Registry Numbers(s): 5893-61-8 15907-03-6

Molecular Formula: $\text{C}_2\text{H}_2\text{CuO}_4$

Molecular Weight: 153.581

Accurate Mass: 152.934908

Percentage Composition: C 15.64%; H 1.31%; Cu 41.38%; O 41.67%

General Statement: Anhydrous form is dimeric. Dihydrate and tetrahydrate also exist

Use/Importance: Antibacterial agent used in cellulose treatment

>>Derivative: Dimer

Synonym(s): Tetrakis[μ -(formato-*O*:*O'*)]dicopper, 11Cl

CAS Registry Number: 67551-60-4

Molecular Formula: $\text{C}_4\text{H}_4\text{Cu}_2\text{O}_8$

Molecular Weight: 307.163

Accurate Mass: 305.869816

Percentage Composition: C 15.64%; H 1.31%; Cu 41.38%; O 41.67%

Physical Description: Three forms exist: powder blue, turquoise or royal blue cryst.

Solubility: Sol. H_2O , insol. org. solvs.

References:

Martin, R.L. *et al.*, *J.C.S.*, 1959, 1359, (*synth, magnetism, props*)

Hoffmann, S. *et al.*, *J. Magn. Reson.*, 1986, **68**, 490, (*epr*)

Merck Index, 11th edn., 1989, No. 2642