Synthesis and Crystal Structure of $[Cu_2(OAc)_4(NCMe)_2]\cdot 2MeCN$

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Copper Compound, Acetato Complex,
Crystal Structure

Tetrakis-μ-acetato-bis(acetonitrile-N)-dicopper(II) bisacetonitrile (**1**) was synthesized and characterized by IR spectroscopy and by an X-ray structure determination [Space group $P2_1/n$, Z = 2, lattice dimensions at −70 °C: a = 1064.2(1), b = 1018.4(1), c = 1088.3(1) pm, β = 101.59(1)°, R_1 = 0.048]. According to the structural data the blue compound consists of centrosymmetric dimers $[Cu_2(OAc)_4(NCMe)_2]$ and noncoordinated acetonitrile molecules.

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