A Metal-Organic Framework Constructed of 1,4-Di(pyridin-4-yl)-buta-1,3-diyne and Nickel(II) Nitrate

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A metal-organic framework (MOF) was prepared from 1,4-di(pyridin-4-yl)buta-1,3-diyne and nickel(II) nitrate hexahydrate in methanol and dichloromethane at room temperature. The crystals are orthorhombic, space group $C222_1$, $Z = 4$. The rhombic cavities of the MOF are occupied by disordered molecules of dichloromethane.

Key words: MOF, Pyridine, Rhombic Cavities, Coordination Polymer