A Metal-Organic Framework Constructed of 1,2-Di(pyridin-4-yl)ethyne, Terephthalic Acid, and Zinc(II) Nitrate

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Z. Naturforsch. **2012**, *67b,* 103 – 106; received January 12, 2012

A metal-organic framework (MOF) was prepared from 1,2-di(pyridin-4-yl)ethyne, terephthalic acid and zinc(II) nitrate in dimethylformamide, water and ethanol at 80 °C. The cavities of the MOF are occupied by disordered molecules of dimethylformamide. The crystals are monoclinic, space group $P2_1/c$ with $Z = 4$.

Key words: MOF, Coordination Polymer