

Supporting Information

Hydrothermal Synthesis and Characterization of Metal-Organic Networks with Helical Units in Mixed Ligand System

Yawei Hu, Guanghua Li, Xiaomin Liu, Minghui Bi, Lu Gao, Zhan Shi* and Shouhua Feng

State Key Laboratory of Inorganic Synthesis and Preparative Chemistry, College of Chemistry, Jilin University, Changchun 130012, People's Republic of China

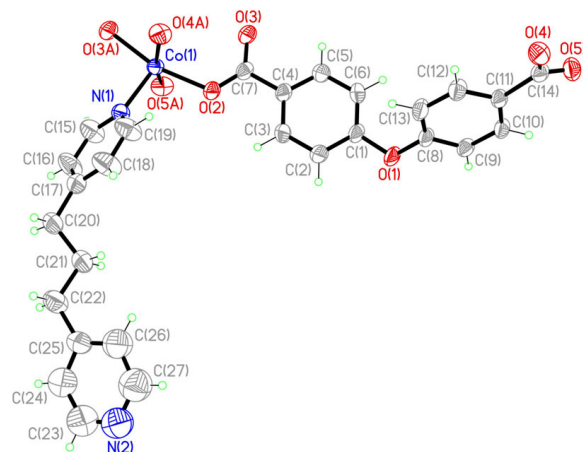


Fig. S1. ORTEP drawing of the asymmetric units of **1**. (thermal ellipsoids are shown at 50% probability)

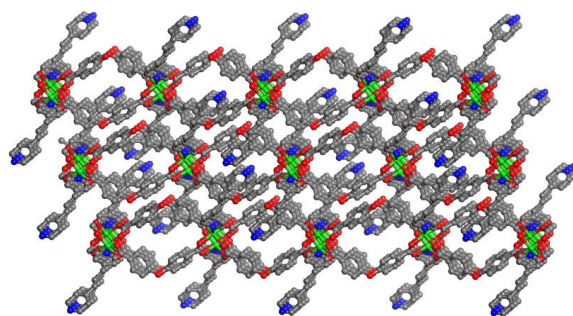


Fig. S2. View of the packing of **1**.

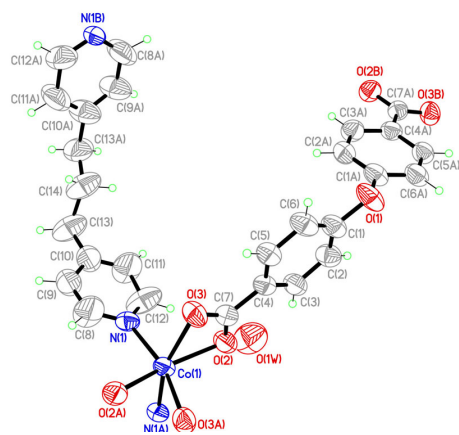


Fig. S3. ORTEP drawing of the asymmetric units of **2**. (thermal ellipsoids are shown at 50% probability)

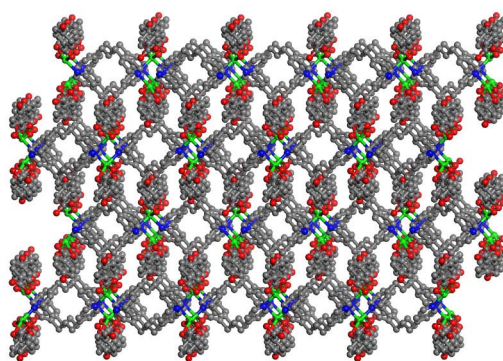


Fig. S4. View of the packing of **2**.

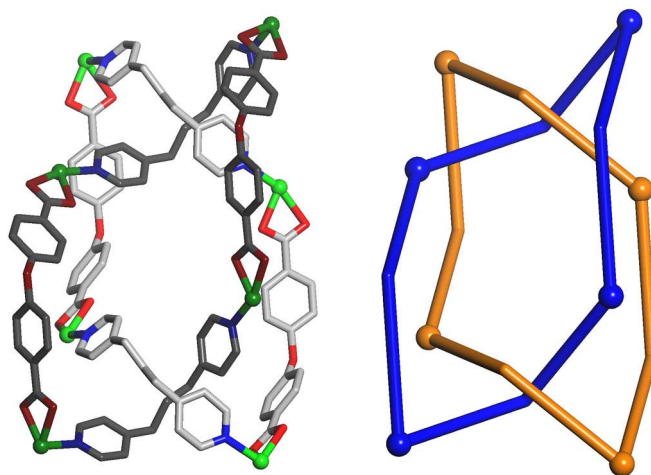


Fig. S5. View of two doubly catenated 4-rings of **2**.

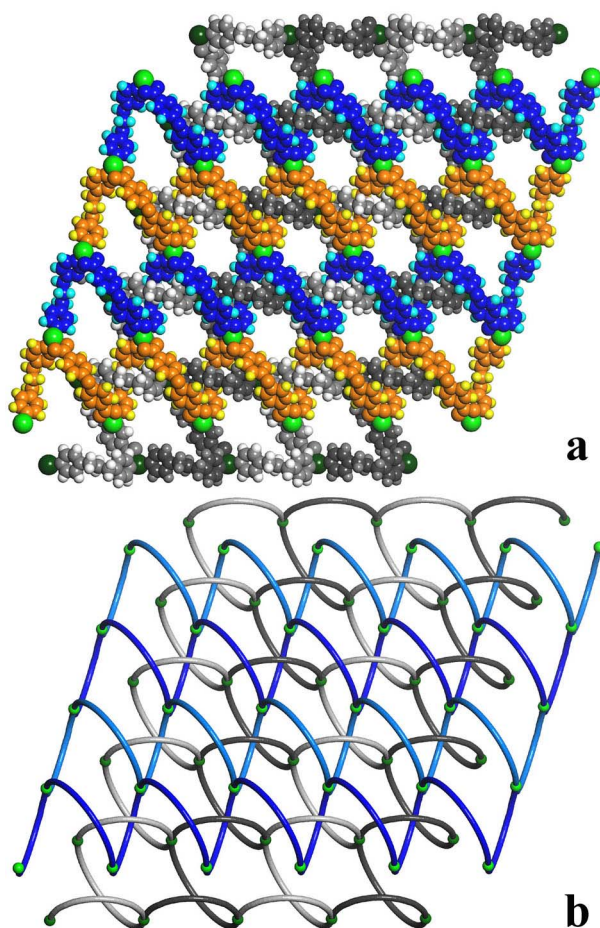


Fig. S6. a) View of the space-filling plot of an interpenetrated double-layer in **2** (the organic molecules have been differentiated by colours for better representation). b) Schematic view of the twofold anti-parallel interpenetration of a double-layer.

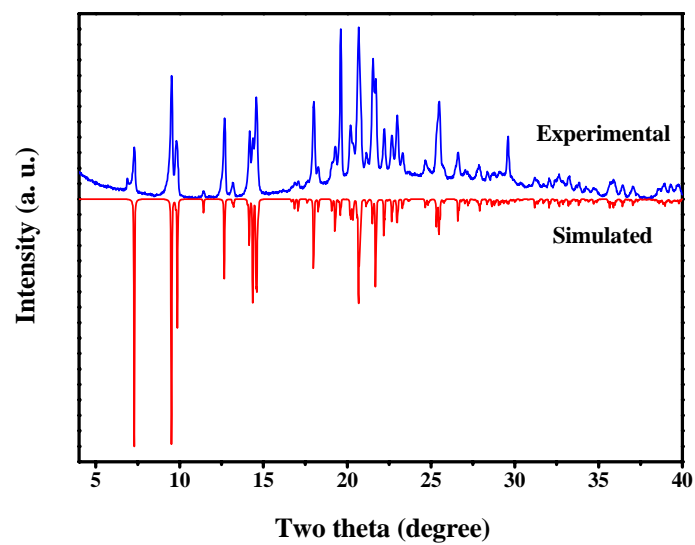


Fig. S7. Experimental and simulated XRD patterns for 1.

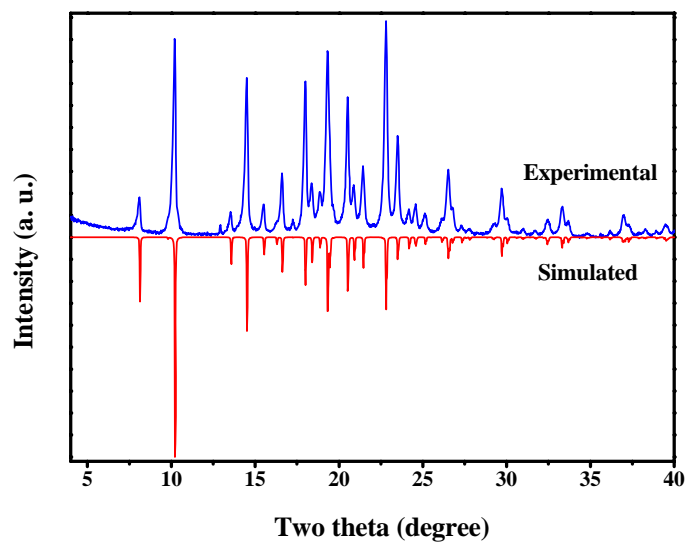


Fig. S8. Experimental and simulated XRD patterns for 2.

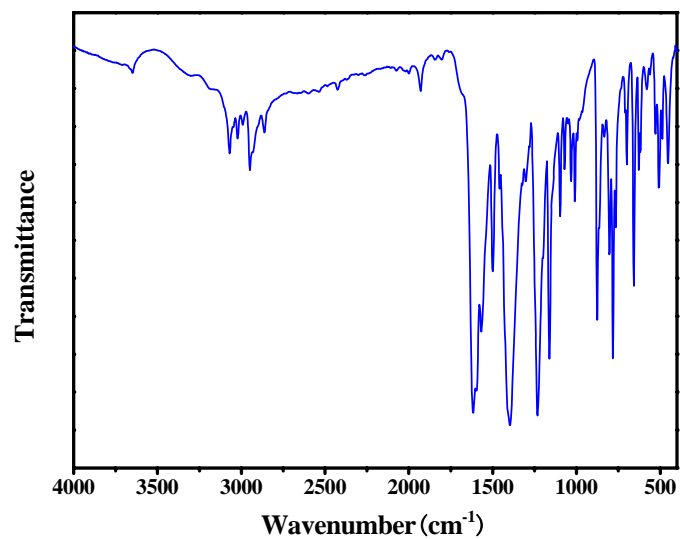


Fig. S9. Infrared spectrum of **1**.

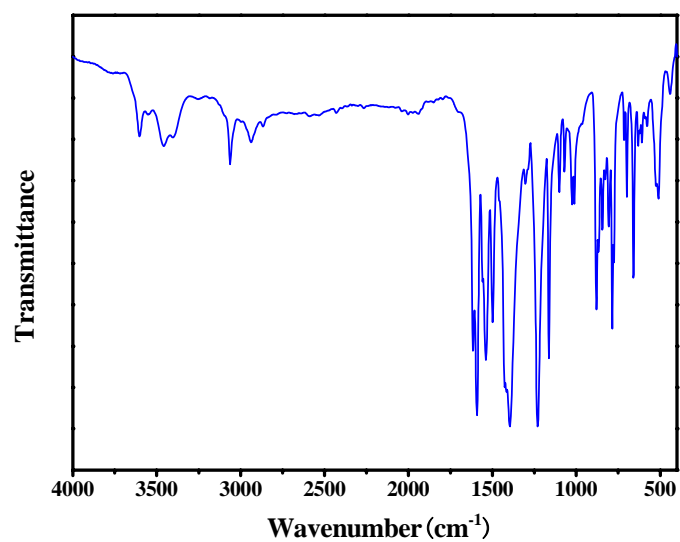


Fig. S10. Infrared spectrum of **2**.