Nanoporous Metal-Organic Framework Comprising of 1D Cobalt Oxalate Chains and Flexible Ligands Exhibiting Both Dynamic Gas Adsorption and Antiferromagnetic Chain Behaviours

Hong-Qing Hao, Zhuo-Jia Lin, Sheng Hu, Wen-Ting Liu, Yan-Zhen Zheng and Ming-Liang Tong*

Key Laboratory of Bioinorganic and Synthetic Chemistry of Ministry of Education, State Key Laboratory of Optoelectronic Materials and Technologies, School of Chemistry and Chemical Engineering, Sun Yat-Sen University, Guangzhou 510275, P. R. China. E-mail: tongml@mail.sysu.edu.cn (M.-L. Tong)

Figure S1. Plots of $\chi$ vs. $T$ and $1/\chi$ vs. $T$ of 1·9H$_2$O.
Figure S2. Plots of $M$ vs. $H$ of 1-H$_2$O.

Figure S3. ORTEP drawings of the asymmetric unit of 1 with ellipsoids at 50% probability showing the temperature factors of the ligand disordered at two positions.