

Pillared Cobalt–Organic Framework with an Unprecedented (3, 4, 6)-Connected Architecture Showing the Coexistence of Spin Canting and Long-Range Magnetic Ordering

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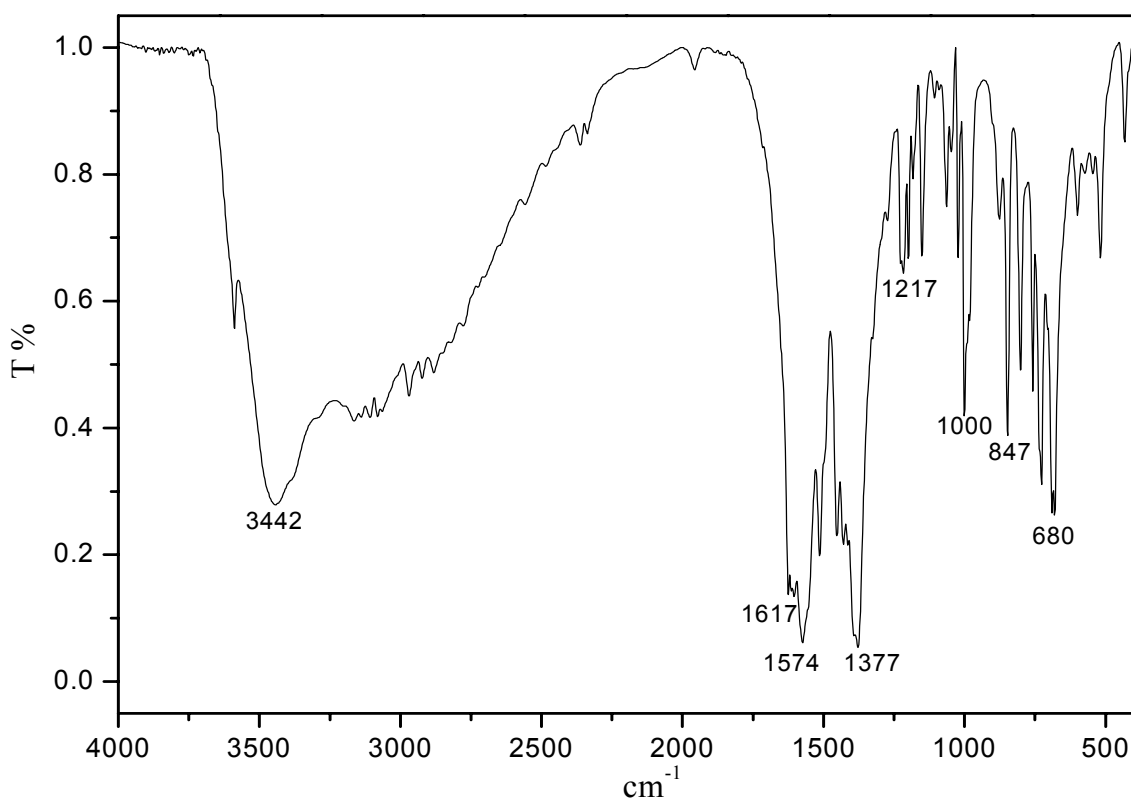


Figure S1. The IR spectra of complex 1

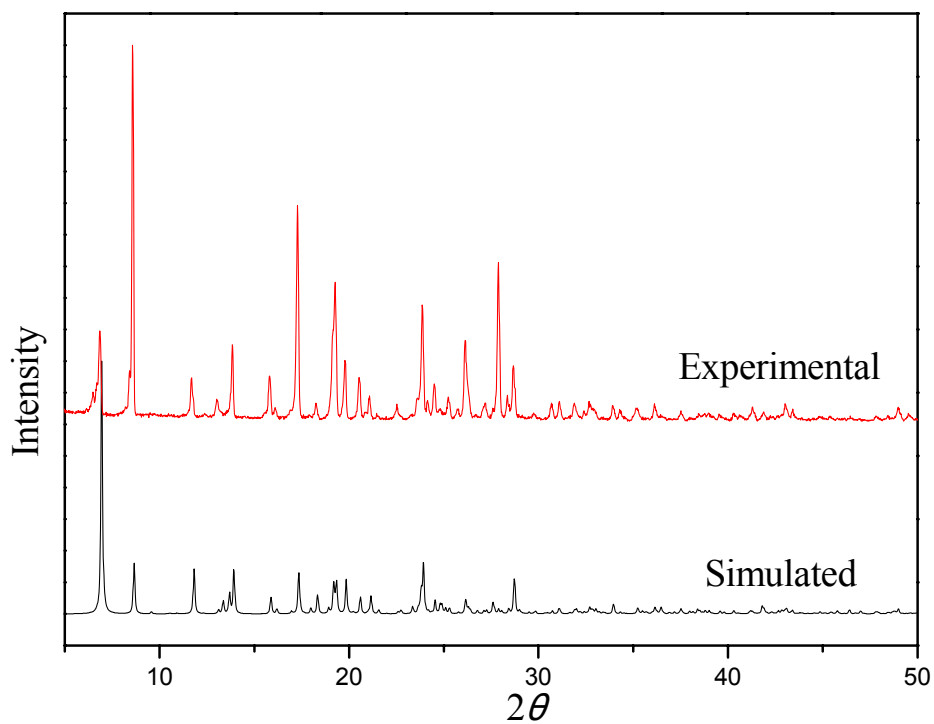


Figure S2. Measured and calculated X-ray powder diffraction (XRD) pattern of **1**

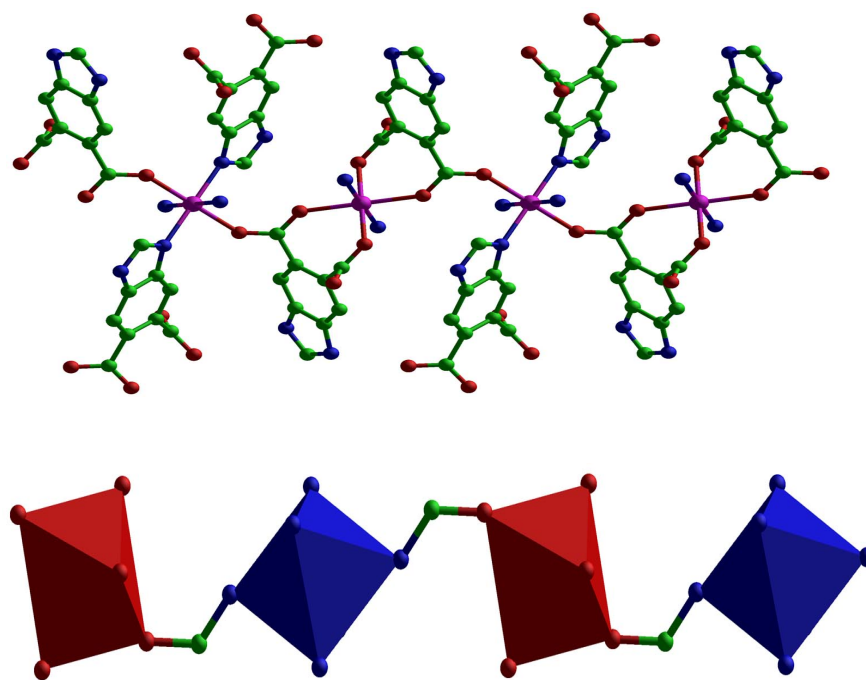


Figure S3. View of the 1D [Co(Hbidc)]_n zigzag chain in **1**.

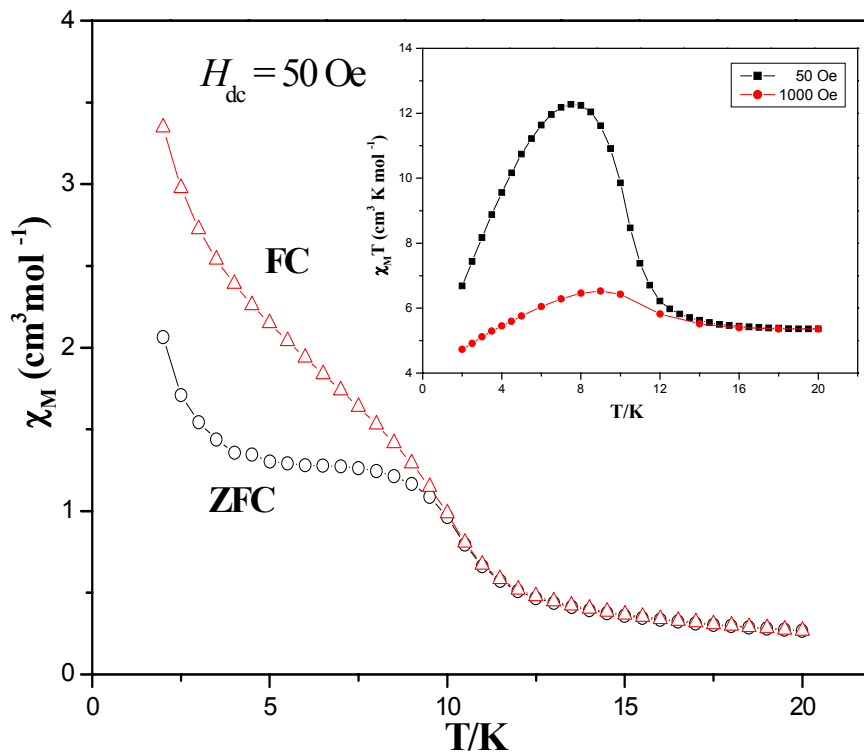


Figure S4. Field-cooled (FC) and zero-field-cooled (ZFC) magnetization for 1. The inset is the plots of $\chi_M T$ vs. T at various fields.