SUPPLEMENTARY INFORMATION

Weak Ferromagnetism Derived from Spin Canting in an Amido-Bridged Homochiral Mn(III) 1-D Coordination Polymer

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I. Crystal structure
II. CD spectra
III. Powder X-ray Diffraction
IV. Magnetic properties
V. TG analysis
I. Crystal structure

Figure S1  One dimensional chains run helically along the a axis. Hydrogen atoms are omitted for clarity.
II. CD spectra

(a)

Needle crystals were present in each colony at the bottom of the beaker. (b) Solid-state circular dichroism (CD) spectra of two selected colonies, each dispersed in a KBr pellet.

III. Powder X-ray Diffraction

PXRD results for [MnL]₆ (red line: experimental value, black line: simulation).
IV. Magnetic properties

Figure S4  \( M \) vs \( H \) plots at 10 K (green), 5K (blue), and 2K (red).

Figure S5  (a) An enlarged figure of the hysteresis loop and (b) \( dM/dH \) plots.
V. TG analysis

Figure S6 TG analysis of 1.