

## SUPPORTING INFORMATION

Bridging, Terminal, Free, Anti, and Gauche BPA Ligands in a 1D Hybrid Organic–Inorganic Mn<sup>II</sup>-Cyanate System

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Figure S1. Asymmetric unit of compound 1

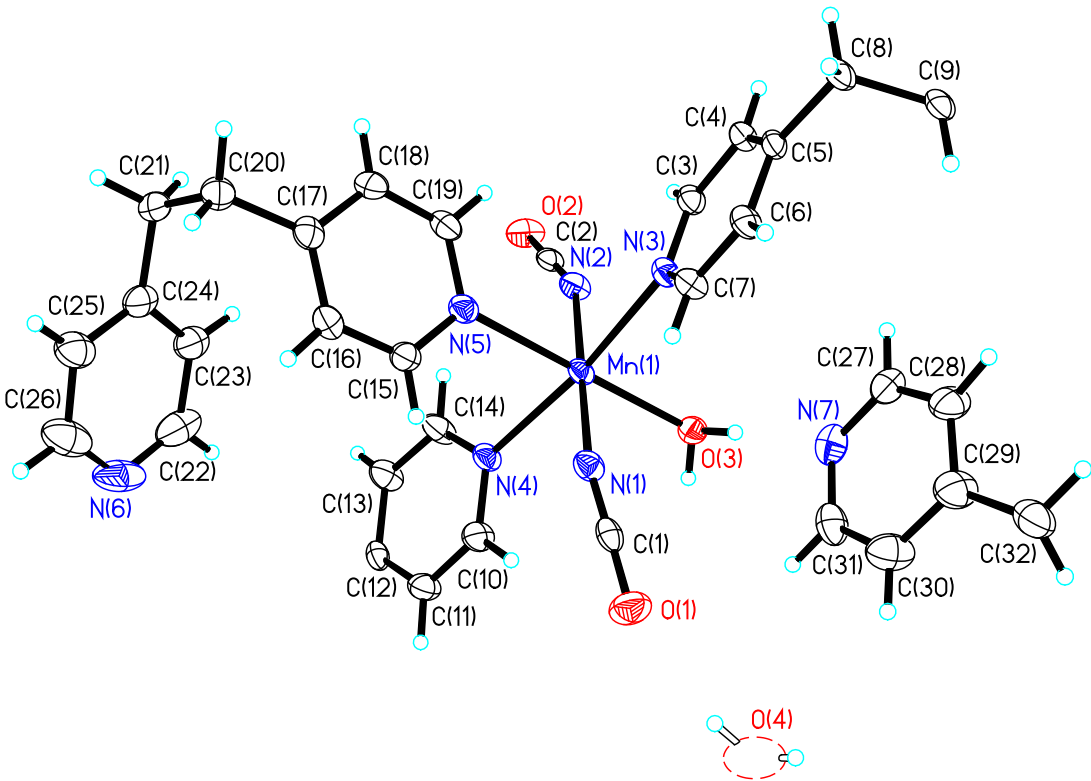
Figure S2. IR Spectrum for compound 1.

Figure S3. ESR spectra at 200 K and 100 K for compound 1.

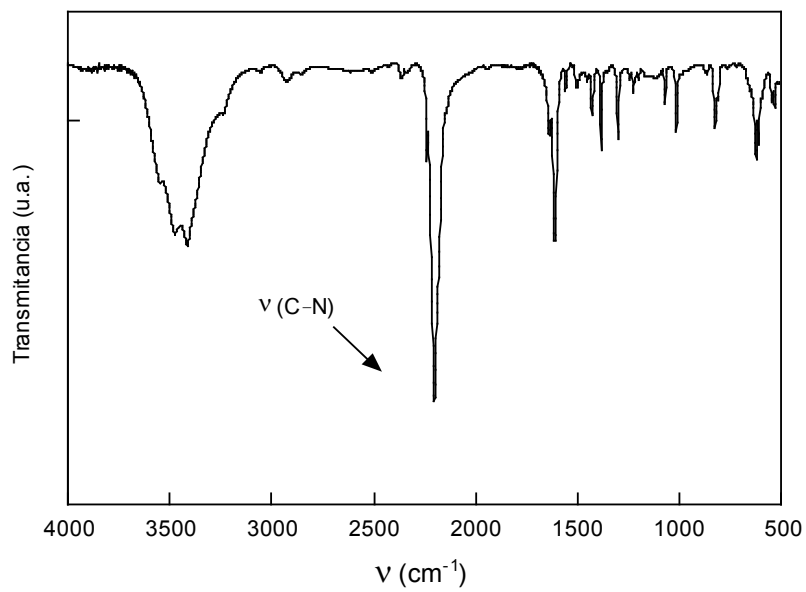
Figure S4. Thermal evolution of  $1/\chi_m$  and Curie-Weiss law for compound 1.

Table S1. Thermogravimetric data for compound 1.

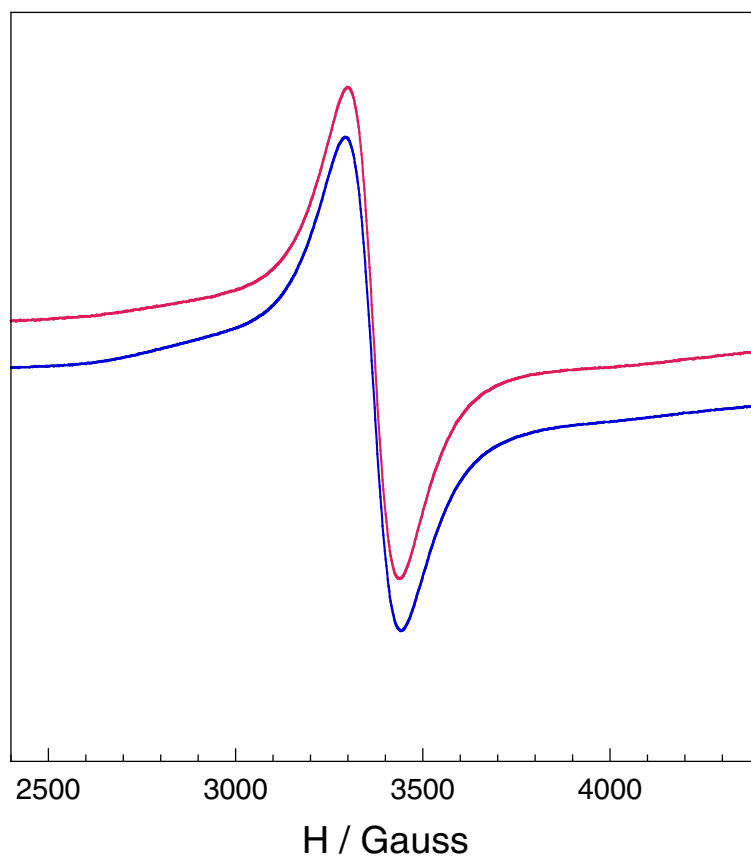
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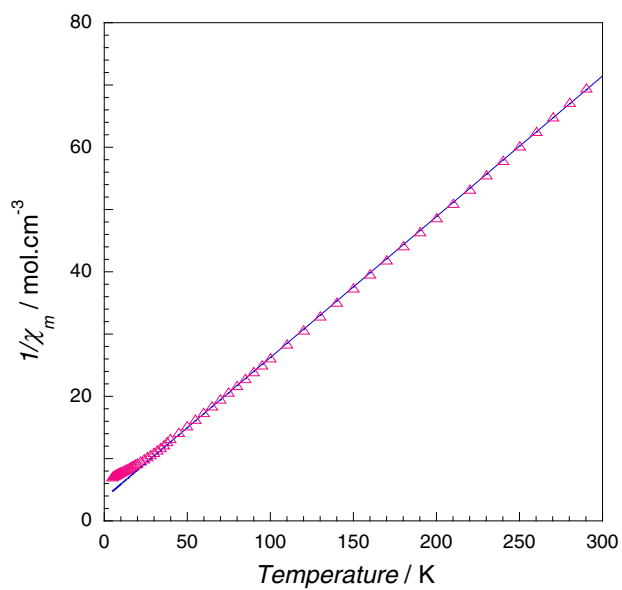
**Figure S2.** IR Spectrum for compound 1.



**Figure S3.** ESR spectra at 200 K and 100 K for compound 1.



**Figure S4.** Thermal evolution of  $1/\chi_m$  and Curie-Weiss law for compound 1.



**Table S1.** Thermogravimetric data for compound 1.

| COMPOUND | STEP  | $T_i$ [°C] | $T_f$ [°C] | $\Delta T$ | $\% \Delta m$<br>experiment | $\% \Delta m$<br>theoretic | ASIGNATION<br>(per unit formula)                               |
|----------|-------|------------|------------|------------|-----------------------------|----------------------------|----------------------------------------------------------------|
| (1)      | 1     | 54         | 115        | 61         | 4.06                        | 3.63                       | Loss of water molecules                                        |
|          | 2     | 115        | 235        | 120        | 42.62                       | 44.43                      | Loss of 1.5 bpa molecules                                      |
|          | 3     | 235        | 335        | 100        | 38.20                       | 38.0                       | Pyrolysis of the other bpa molecule and the two cyanate groups |
|          | TOTAL | 54         | 335        | 281        | 84.88                       | 86.06                      |                                                                |

$T_i$  = Initial temperature,  $T_f$  = Final temperature,  $\Delta T = T_f - T_i$ ,  $\% \Delta m_{\text{experiment}}$  = Experimental mass loss percentage,  $\% \Delta m_{\text{theoretic}}$  = Theoretical mass loss percentage.