

Supporting Information for:

Tuning Coordination Modes of Pyridine/Thioether (NNS) Schiff Base Ligands to Mononuclear Manganese Carbonyls

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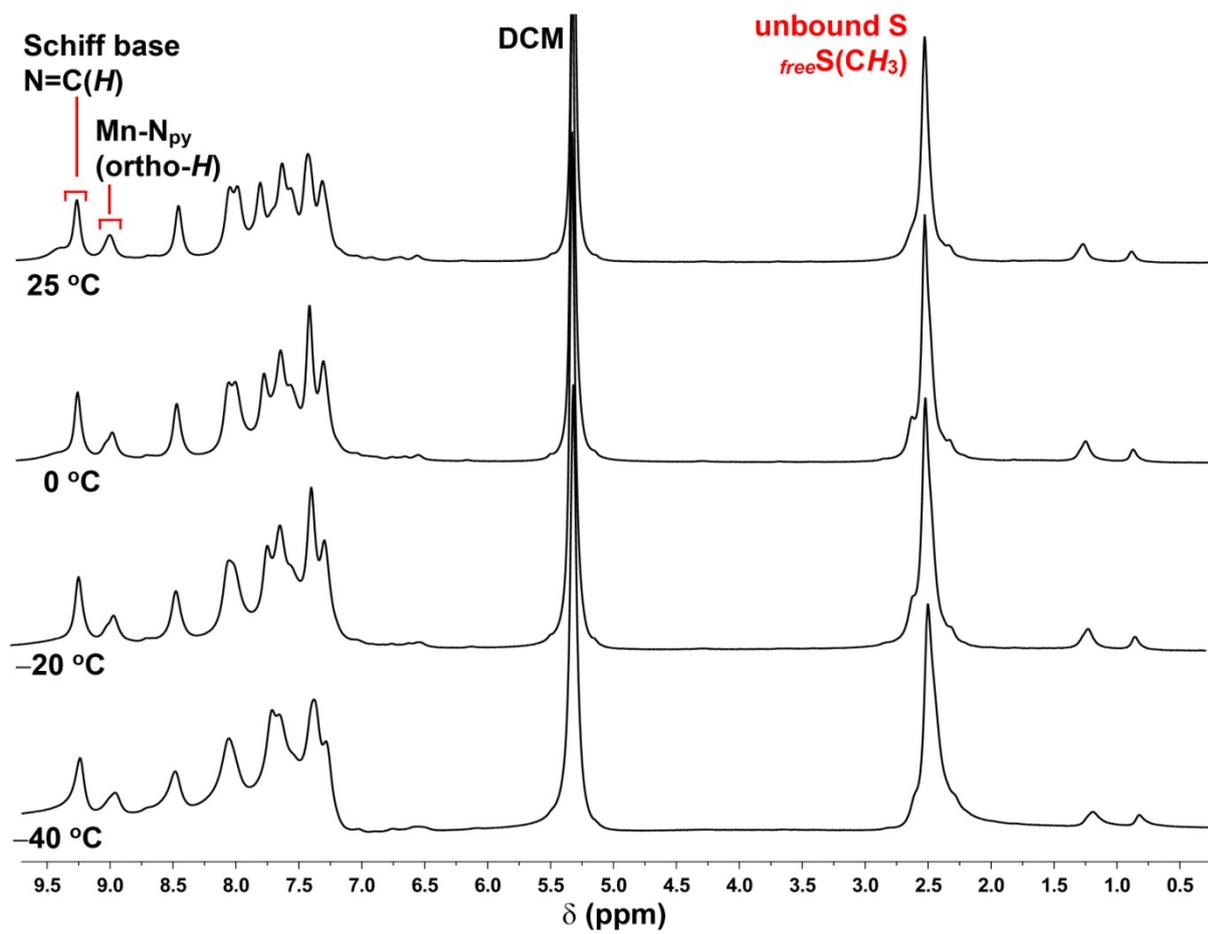


Figure S1. Variable temperature ^1H NMR (500 MHz) of $[(\text{NNS})\text{Mn}(\text{CO})_3\text{Br}]$ (1_{co}) in CD_2Cl_2 .

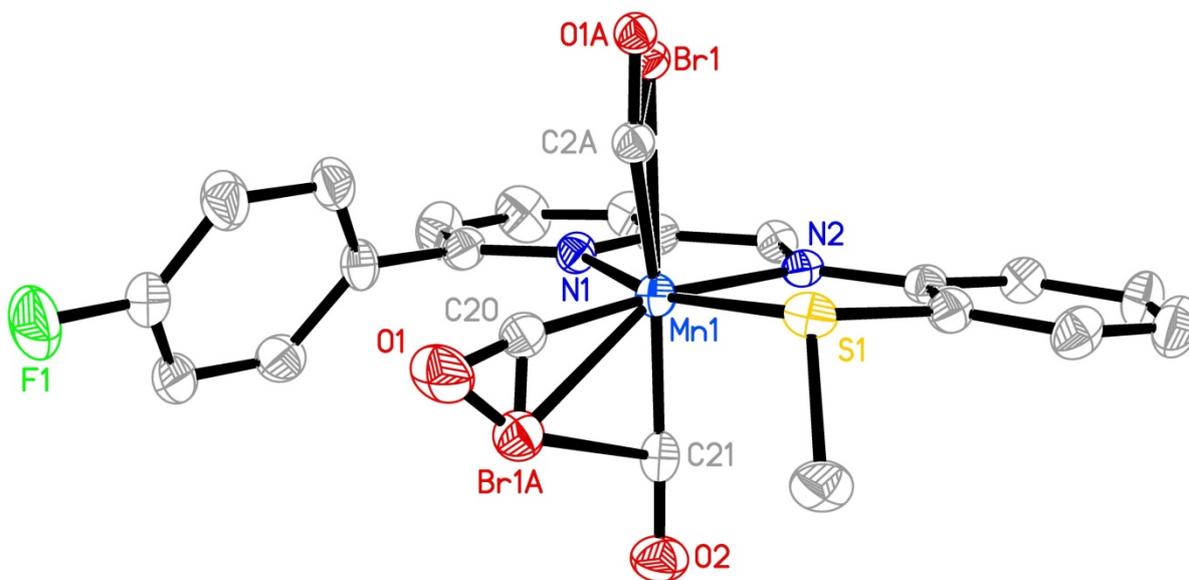


Figure S2. Disorder model found for $[(\text{FPh})\text{NNS})\text{Mn}(\text{CO})_2\text{Br}]$ (**5_{CO-b}**). In the structure solution, 4% of the complex in the crystal is a five-coordinate *monocarbonyl* Mn^{I} complex formulated as $[(\text{FPh})\text{NNS})\text{Mn}(\text{CO})(\text{Br})]$ with a geometry intermediate between trigonal bipyramidal and square planar. Thermal ellipsoids are shown at 50% probability, and H atoms are omitted for clarity.