

Two W^V - Mn^{III} Bimetallic Assemblies Built by Octacyanotungstate(V) and Mn^{III} -Schiff bases: Molecular Structures and a Spin-Flop Transition

Hyun Hee Ko,^a Jeong Hak Lim,^a Hounng Sik Yoo,^a Jun Sung Kang,^b Hyoung Chan Kim,^c Eui Kwan Koh,^b and Chang Seop Hong*^a

Department of Chemistry and Center for Electro- and Photo-Responsive Molecules, Korea University, Seoul 136-701, Korea, Nano-Bio System Research Team, Korea Basic Science Institute, Seoul 136-713, Korea, and Systems Research Team, Research & Development Division, Nuclear Fusion Research Center, Daejeon 305-333, Korea

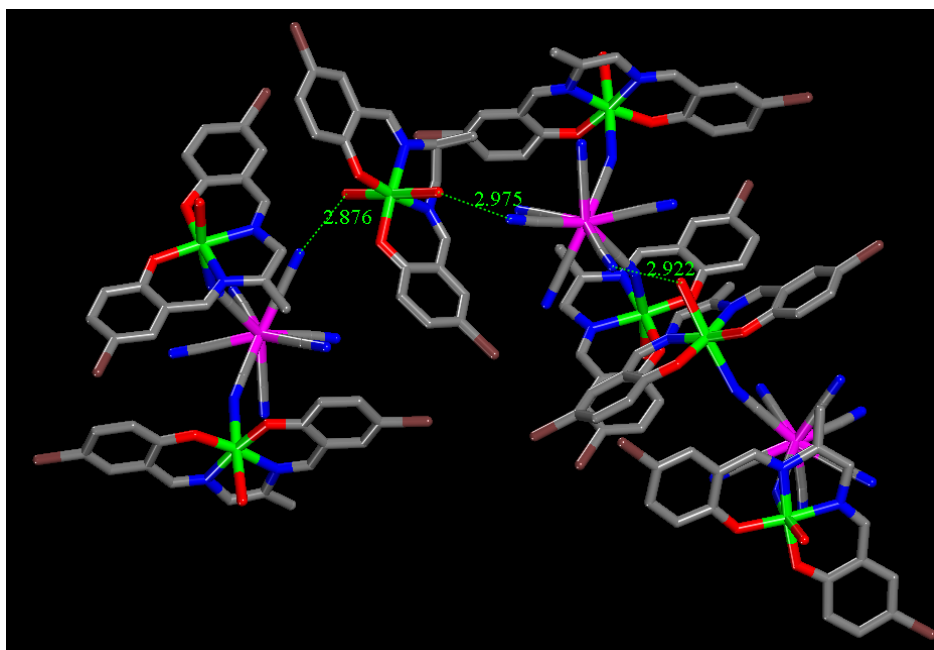


Figure S1. Extended structure of **1** showing hydrogen bonds among $[\text{W}(\text{CN})_8]^{3-}$ and isolated $[\text{Mn}(\text{Cl-salmen})(\text{H}_2\text{O})_2]^+$ units.

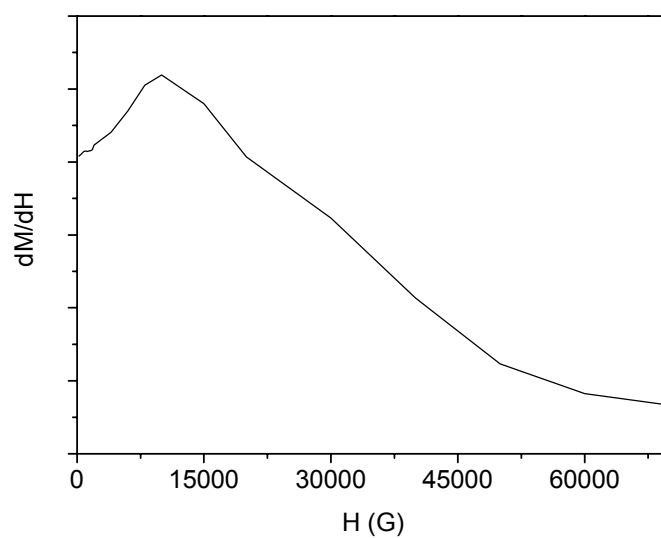


Figure S2. Derivative of M against H showing a maximum around 1.2 T.

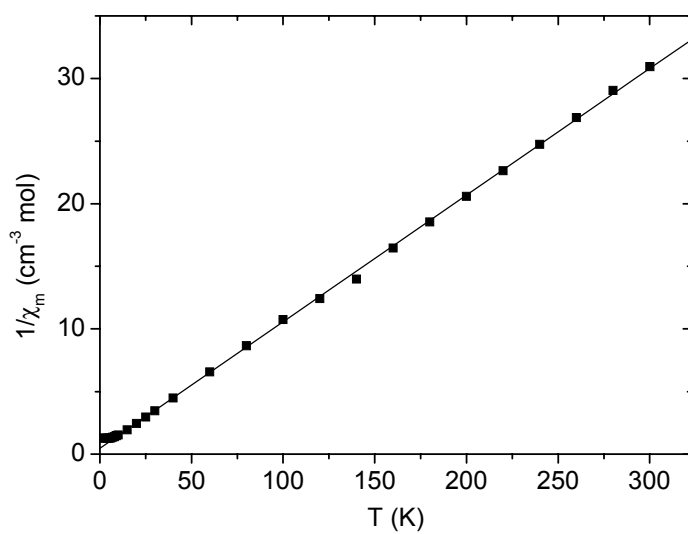


Figure S3. Plot of χ_m^{-1} versus T for **2**. The solid line gives the Curie-Weiss fitting.