

Electronic Supplementary Information

Magneto-structural correlations in dinuclear Mn(III) compounds with formula $[\{\text{Mn}(\text{L})(\text{NN})\}(\mu\text{-O})(\mu\text{-2-RC}_6\text{H}_4\text{COO})_2\{\text{Mn}(\text{L}')(\text{NN})\}]^{n+}$

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Fig. S1 Hydrogen bonds present in the crystal structure of compound $2 \cdot 0.25\text{H}_2\text{O}$ between perchlorate anions and water ligands of dinuclear entities Mn1Mn2.

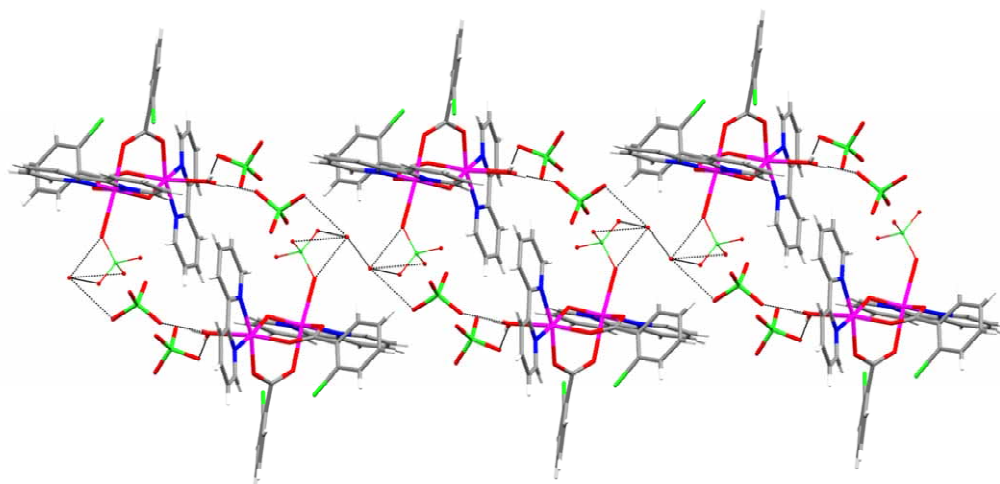


Fig. S2 Hydrogen bonds present in the crystal structure of compound $2 \cdot 0.25\text{H}_2\text{O}$ between perchlorate anions and water ligands of dinuclear entities Mn3Mn4.

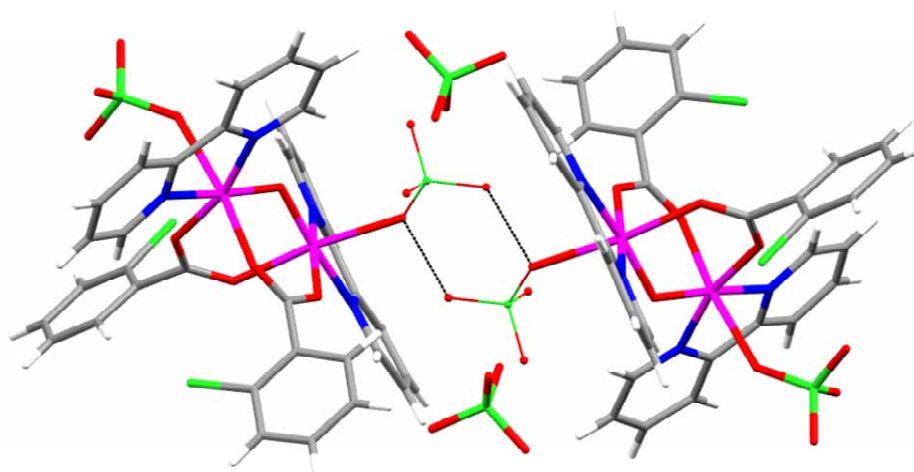


Fig. S3 C–H···O and π - π interactions between Mn1Mn2 and Mn3Mn4 entities present in the crystal structure of compound **2**·0.25H₂O.

