

Effect of Lanthanide Contraction and Rigid Ligand on the Structure of Salen Type Lanthanide Complexes †

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Electronic supplementary information (ESI):

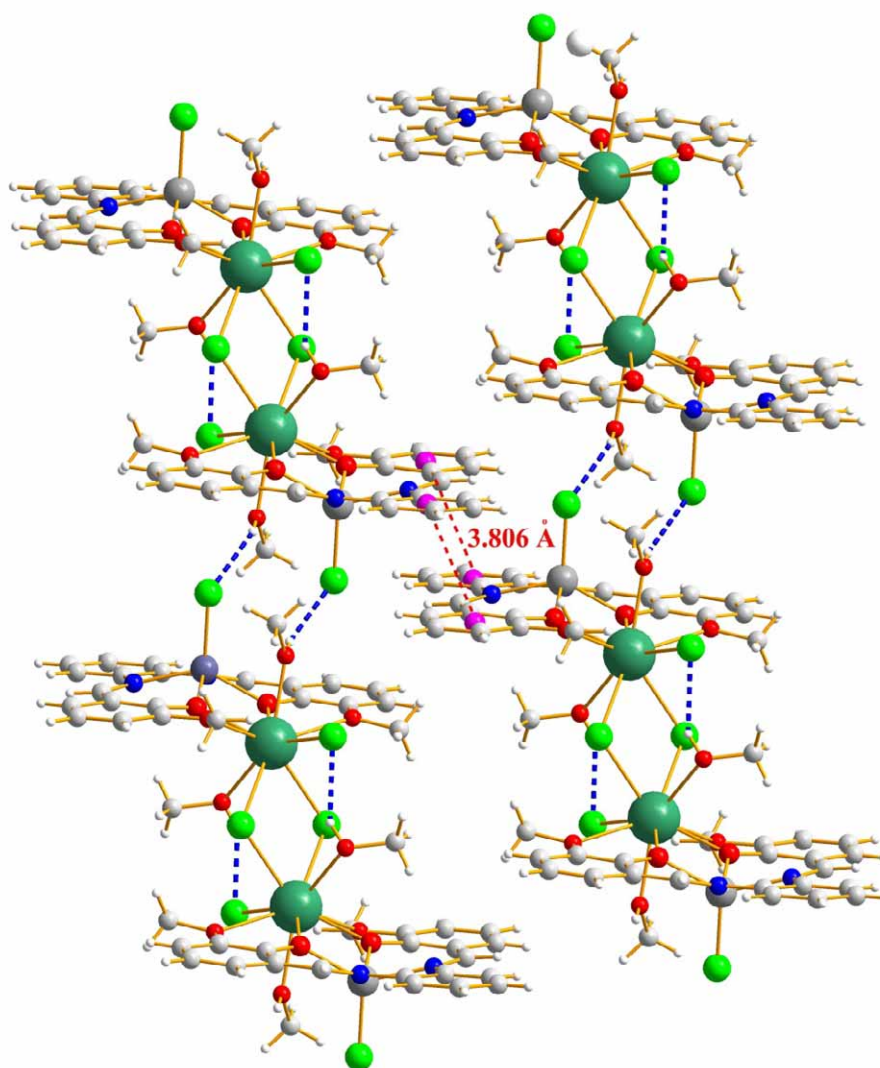


Fig. S1 The 1D chain structure formed by the intermolecular H-bonding and π - π interaction in **1**. The blue dash line shows the H-bonding, and the purple dash line shows the π - π interactions between two dimers.

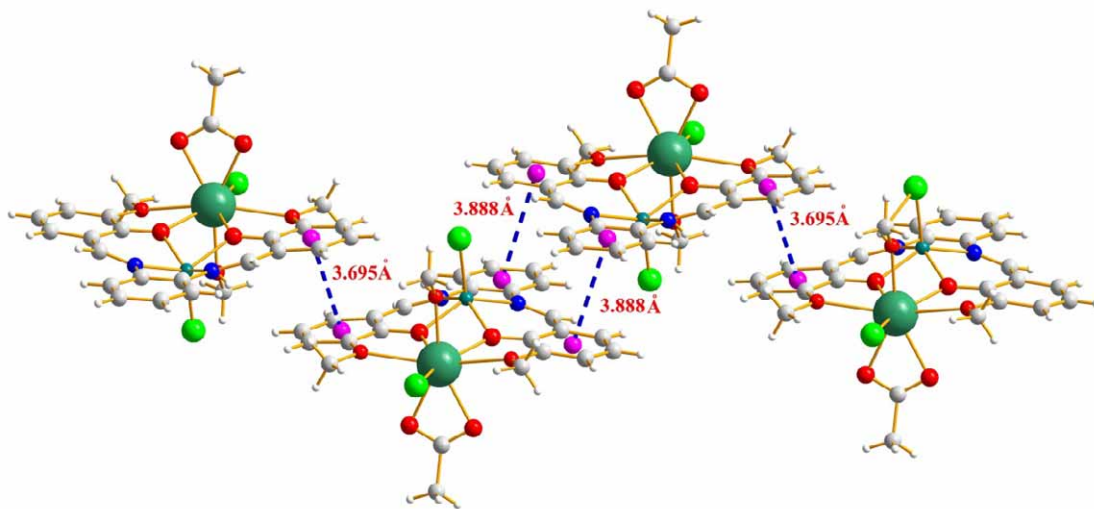


Fig. S2 The 1D chain structure formed by the intermolecular π - π interaction in **3**. The purple dash line shows the π - π interactions between the molecular structures of **3**.

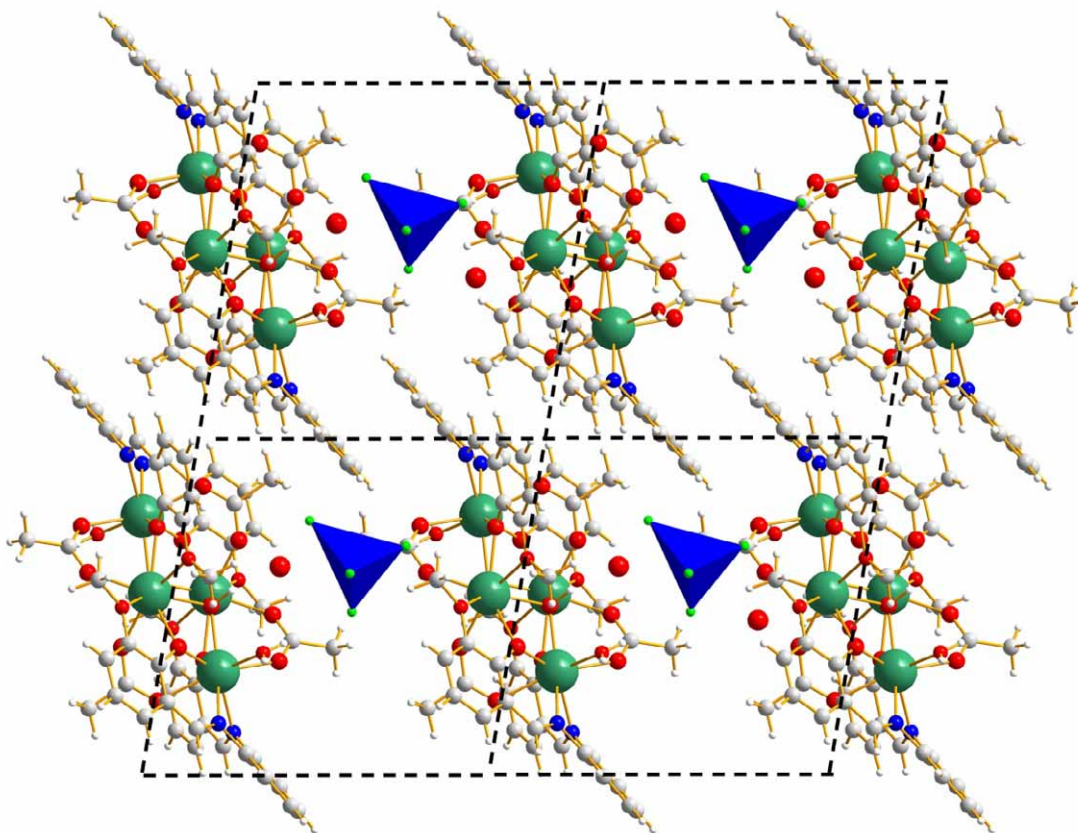


Fig. S3 Viewing along the b axis, showing the packing structure of **4** (The blue tetrahedra represent the $[\text{ZnCl}_4]^{2-}$ units and disordered parts have been removed for clarity).

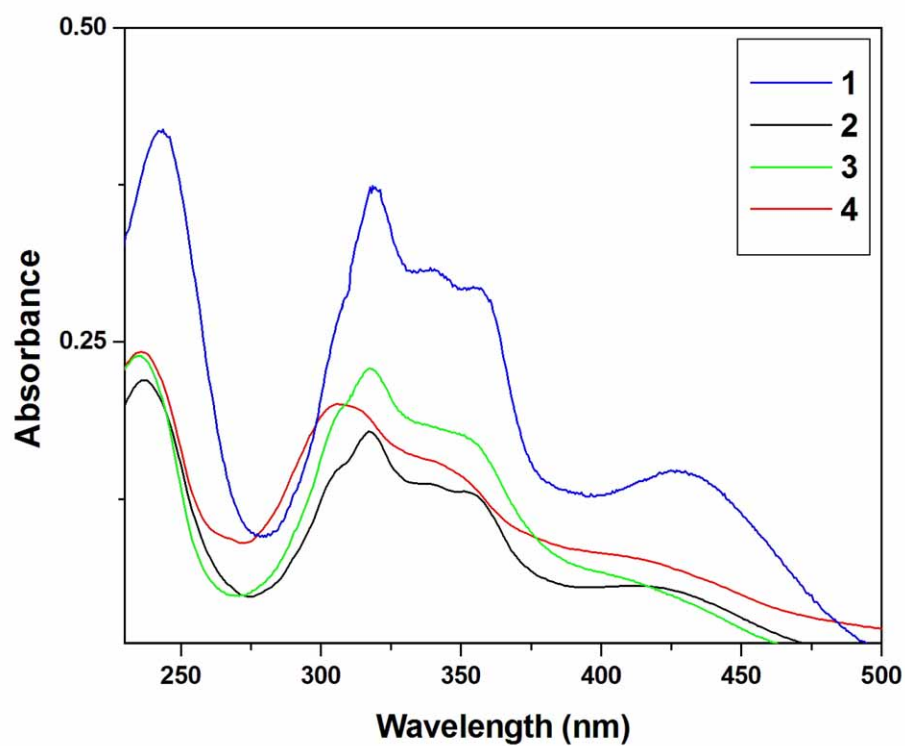


Fig. S4 The UV spectra of **1-4** in solid.

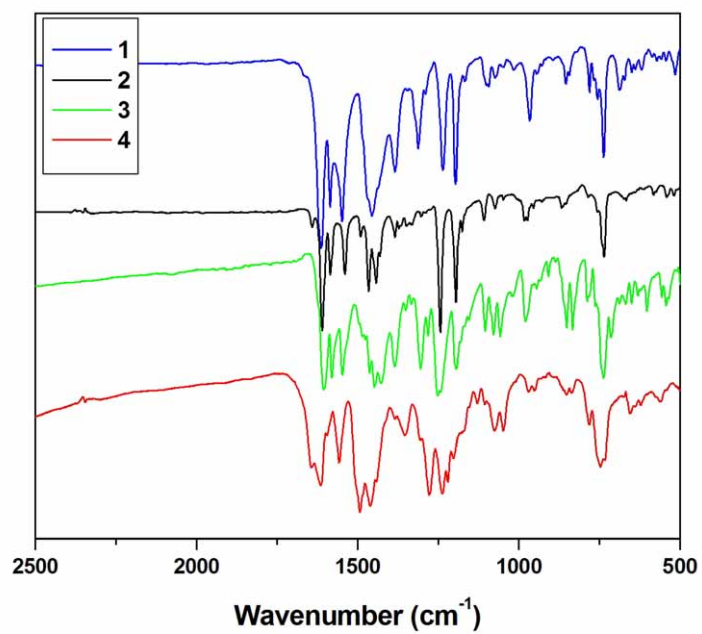


Fig. S5 The IR spectra of **1-4**.