

Supporting Information

Synthesis, structural, magnetic and spectroscopic characterization of iron(III) complexes with in situ formed ligands from methyl-2-pyridyl ketone transformations

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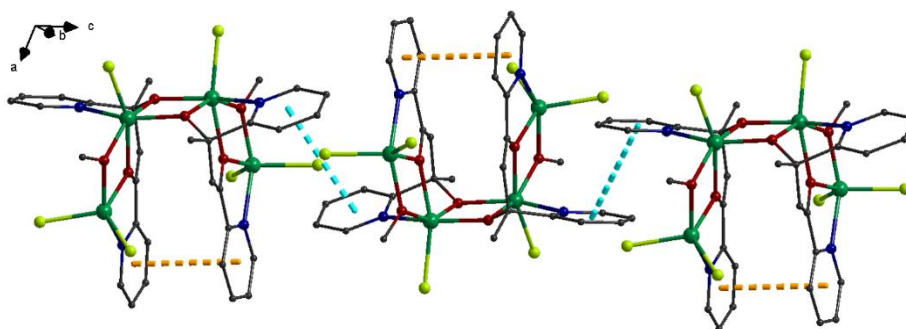


Figure S1. A small part of the 1D lattice structure of **1** due to intermolecular π - π interactions (cyan dashed lines). Intra-molecular π - π interactions are shown as orange dashed lines. Color code: Fe, green; Cl, lime; O, red; N, blue; C, dark grey. Hydrogen atoms are omitted for clarity.

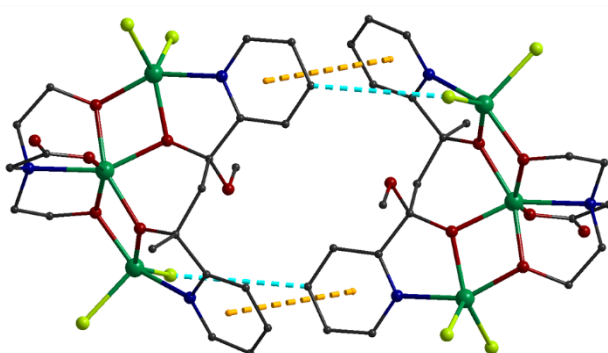


Figure S2. The dimers of **2** due to intermolecular π - π interactions (orange dashed lines) and C-H...Cl interactions (cyan dashed lines). Color code: Fe, green; Cl, lime; O, red; N, blue; C, dark grey. Hydrogen atoms are omitted for clarity.

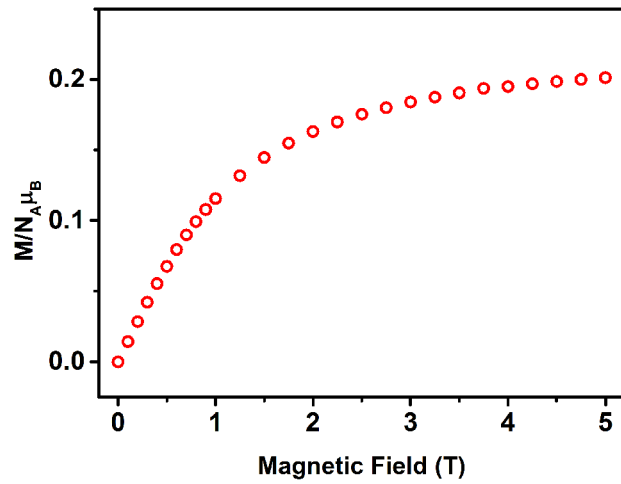


Figure S3. Plot of the field dependence of the magnetization of **1** at 2 K.