

Electronic Supplementary Information

Nickel(II) and iron(II) triple helicates assembled from expanded quaterpyridines incorporating flexible linkages†

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1. Mass Spectrum of [Fe₂(4)₃](PF₆)₄

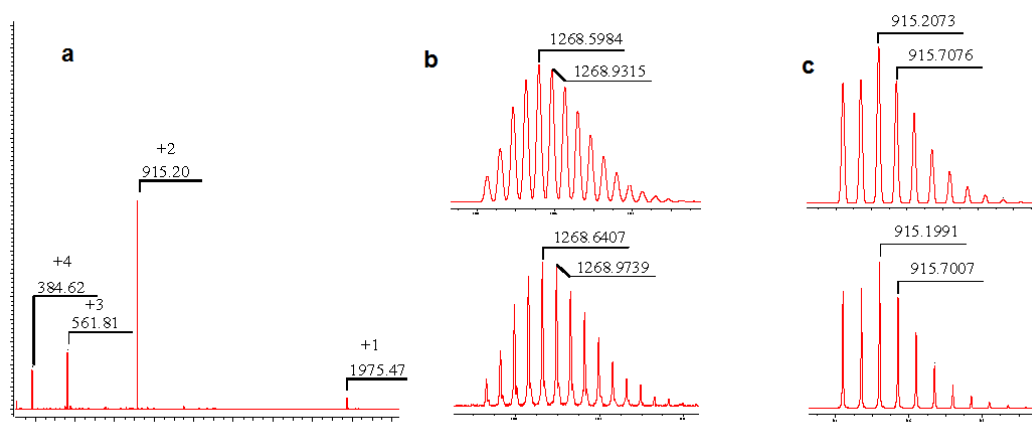


Fig. 1S a) ESI-HRMS spectrum of [Fe₂(4)₃](PF₆)₄ showing evidence for the presence of [Fe₄(4)₆](PF₆)₈, and b) the theoretical and observed isotopic distributions for the +5 ion {[Fe₄(4)₆](PF₆)₃}⁵⁺.

2. X-ray structure of the $[\text{Ni}_2(\mathbf{6})_3]^+$ cation

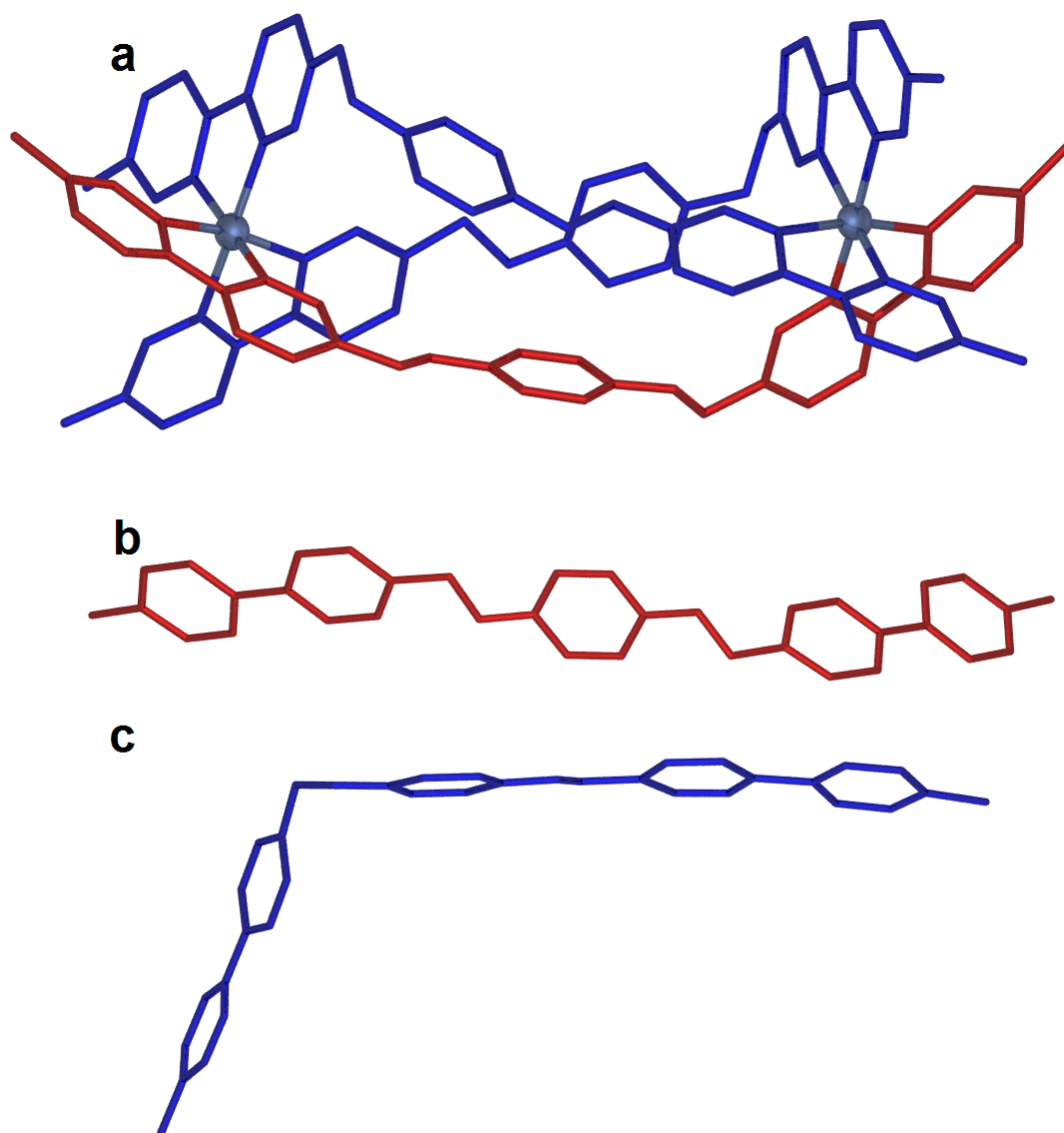


Fig. S2 a) Stick representation of the x-ray crystal structure of $[\text{Ni}_2(\mathbf{6})_3](\text{PF}_6)_4 \cdot 1.95\text{MeCN} \cdot 1.2\text{THF} \cdot 1.8\text{H}_2\text{O}$. Hydrogens, counterions and solvents are removed for clarity; b) and c) illustrate the two bound ligand conformations present in the structure.