

Supporting Information

**Unusual Nitro-Coordination of Europium(III) and Terbium(III) with  
Pyridinyl Ligands**

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Figure S1. Crystal packing of **5a** showing the molecular planes.

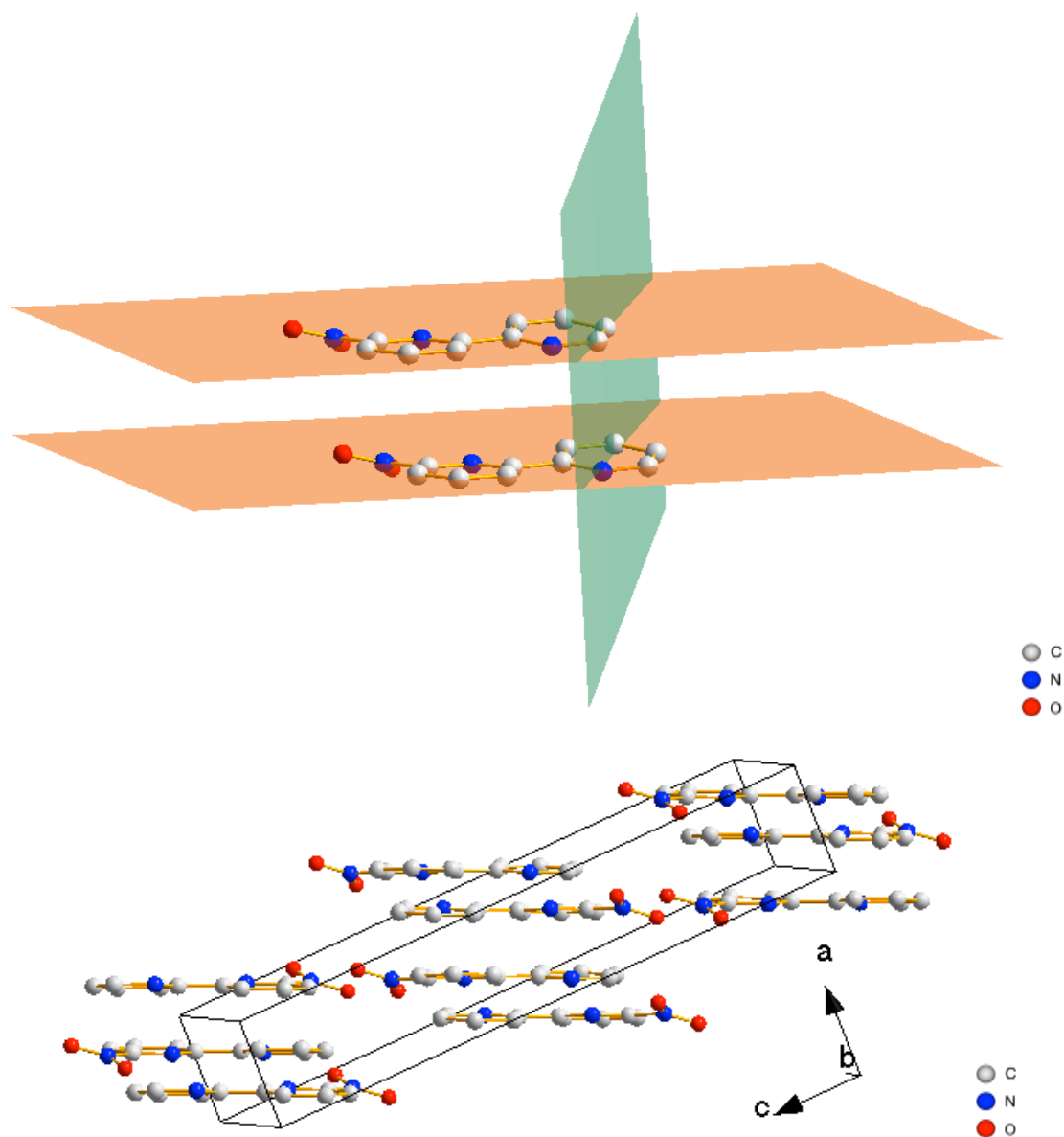
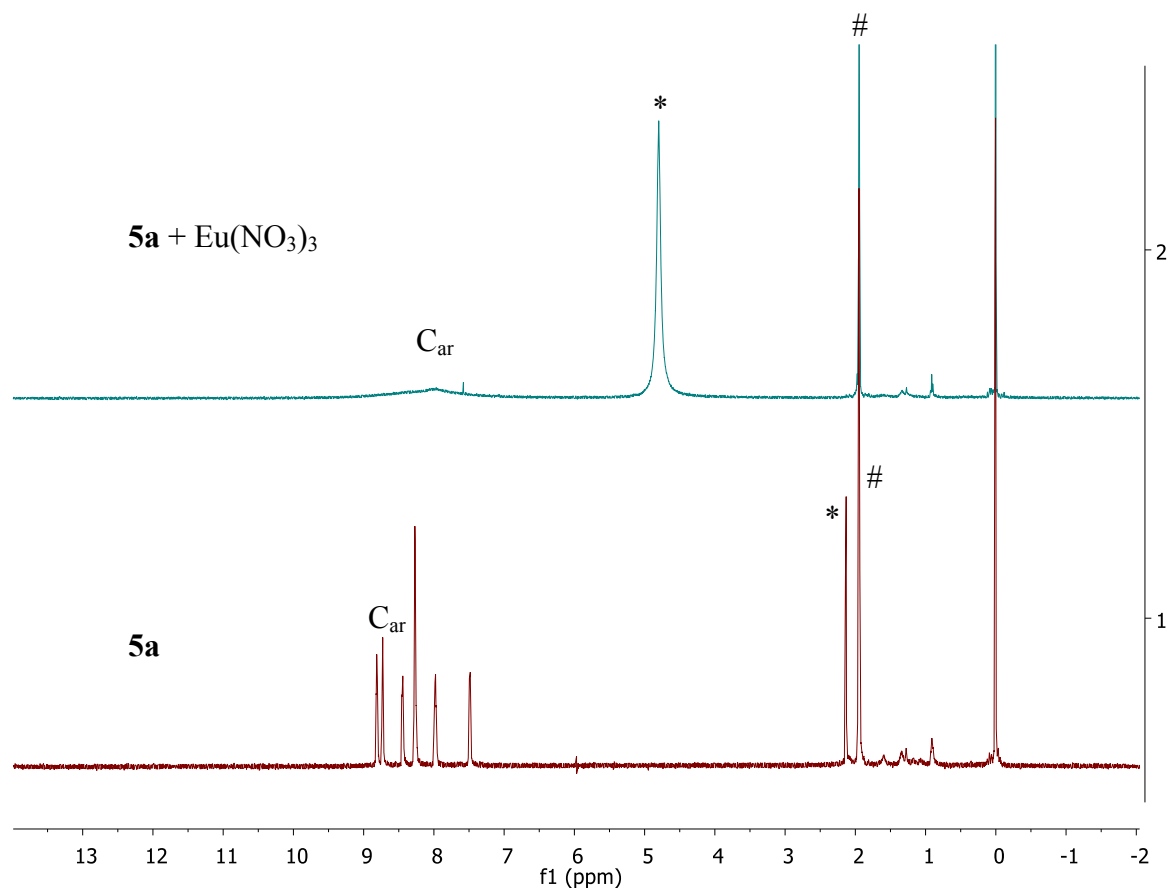
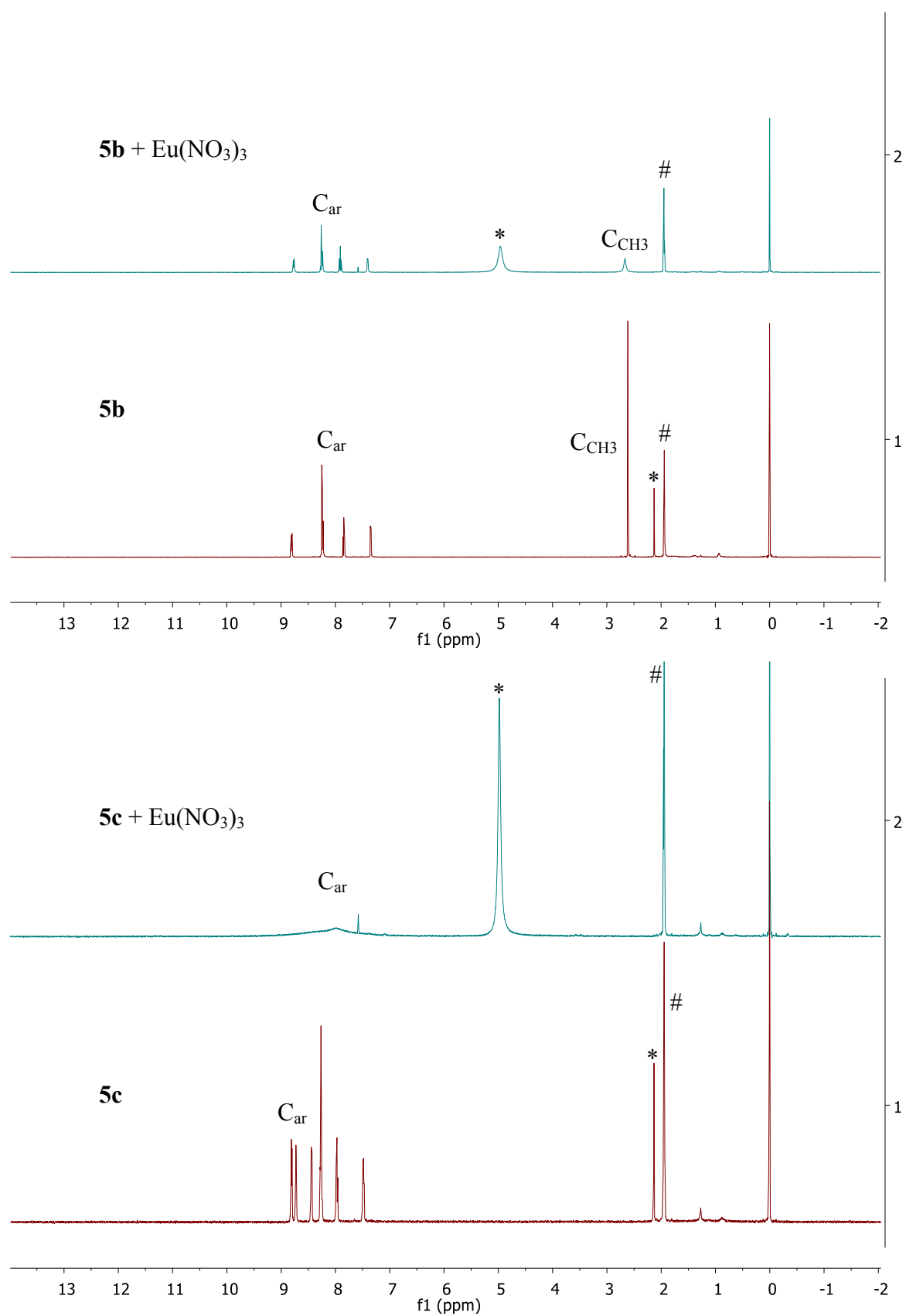


Figure S2.  $^1\text{H}$  NMR spectra of the ligands **5a**, **5b**, **5c** and **6** in acetonitrile- $\text{d}_3$  without  $\text{Eu}(\text{NO}_3)_3$  (bottom red trace) and after adding an equimolar amount of  $\text{Eu}(\text{NO}_3)_3$  (top blue trace). Legend: \* = water; # = acetonitrile- $\text{d}_3$





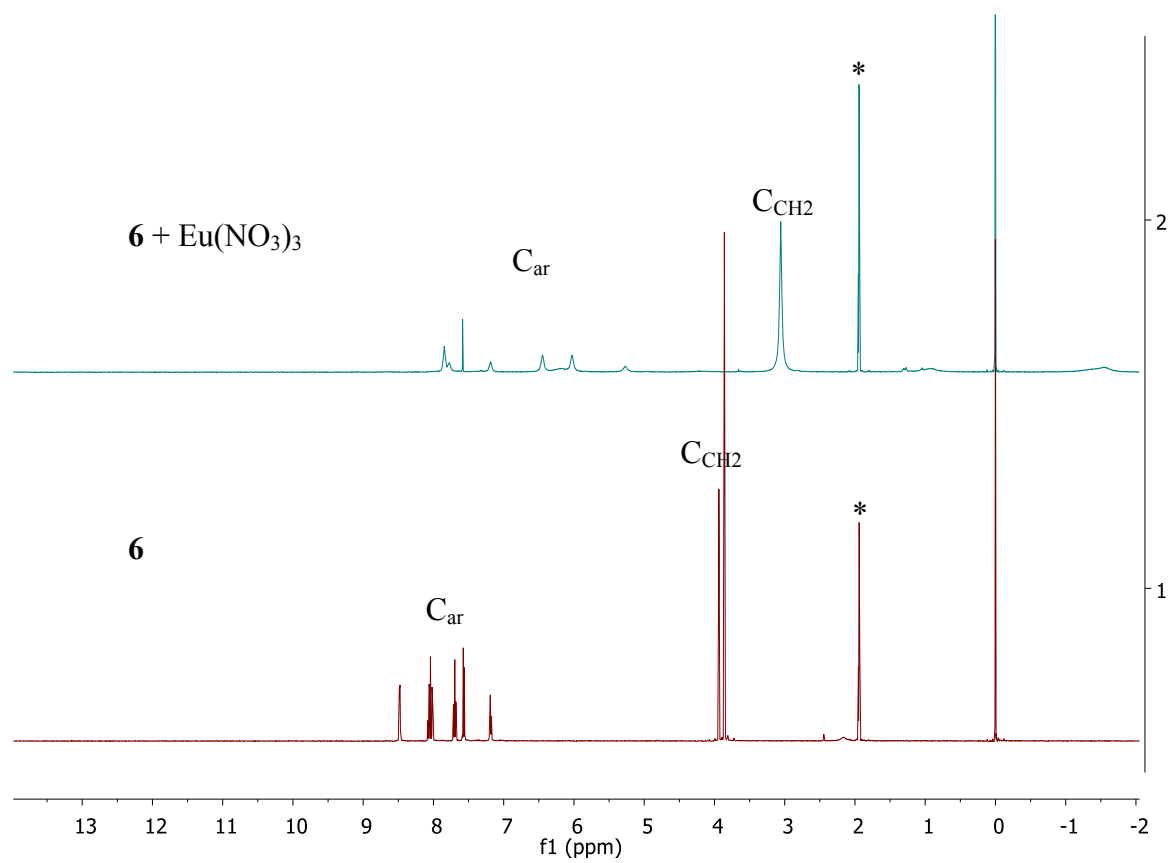


Figure S3. H...F interactions in the solid-state structure of **6Eu**.

