

Supplementary material for:

**Synthesis and Structural Characterization of a Heterometallic 3d-4f (Zn/La)  
Naphthalene-Bridged Salen Complex**

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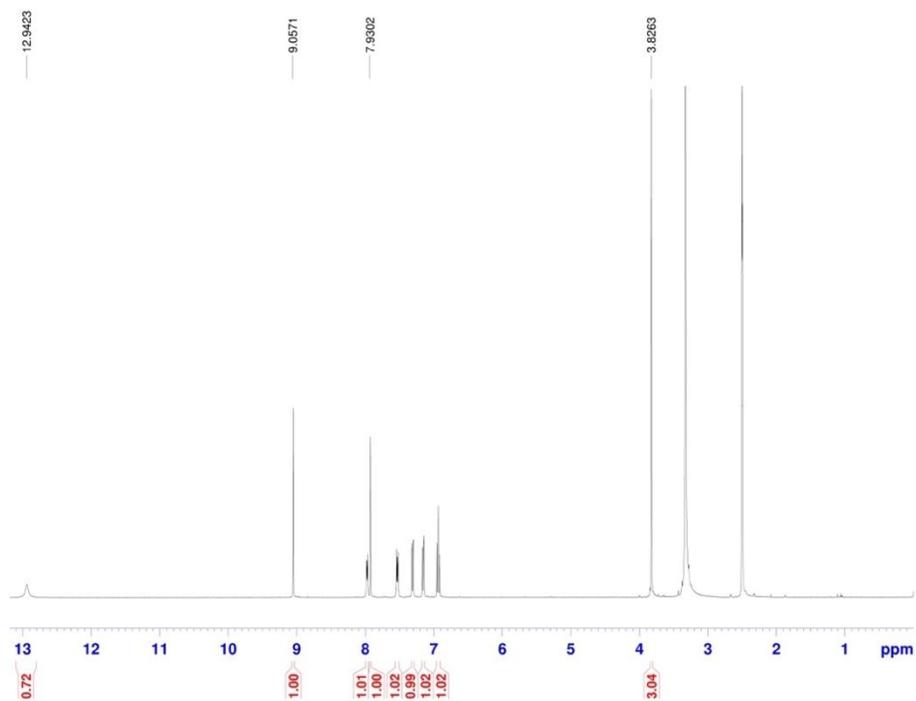


Figure S1 –  $^1\text{H}$  NMR spectrum of ligand **1** in  $\text{DMSO-d}_6$ ; residual  $\text{H}_2\text{O}$  signal at 3.33 ppm.

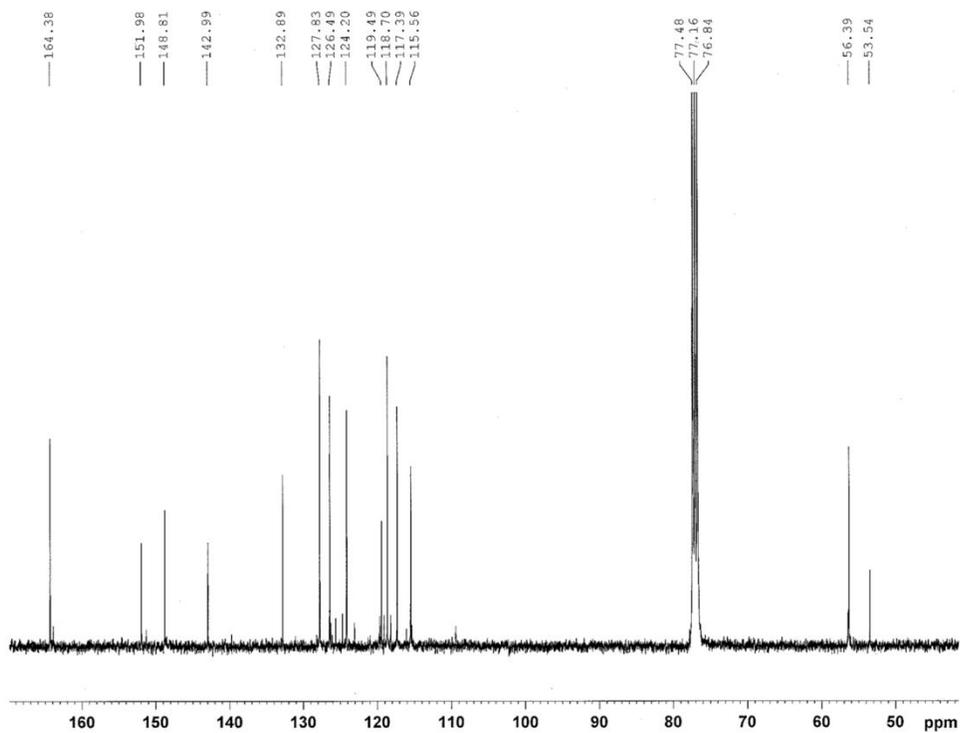


Figure S2 –  $^{13}\text{C}$  NMR spectrum of ligand **1** in  $\text{CDCl}_3$ ; residual dichloromethane signal at 53.54 ppm.

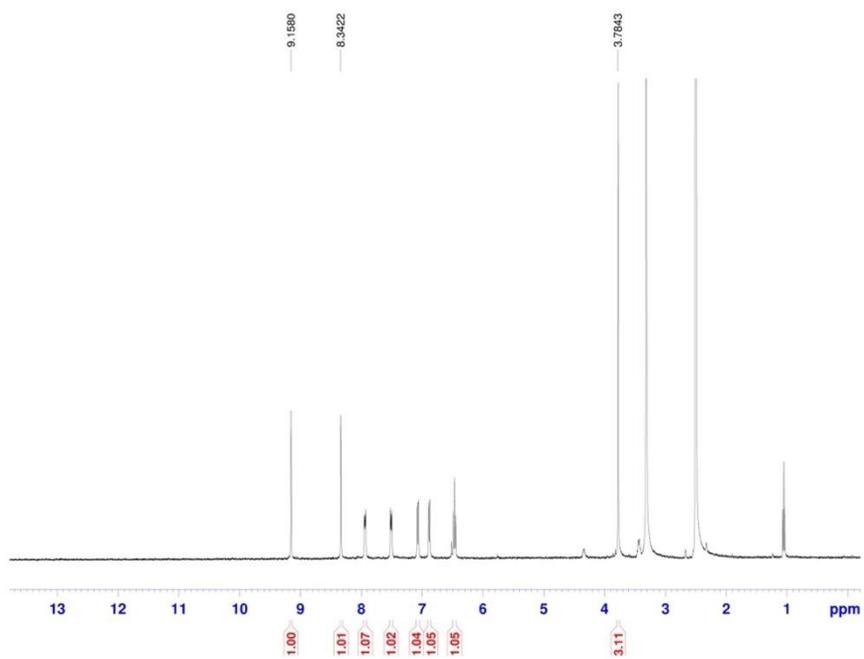
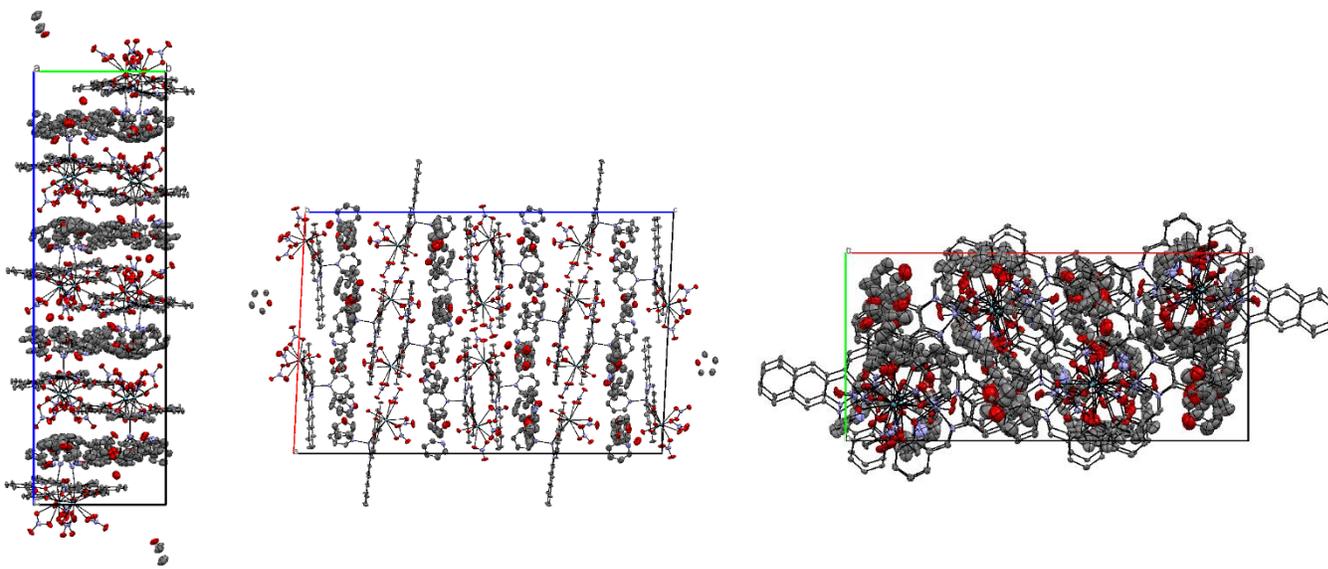
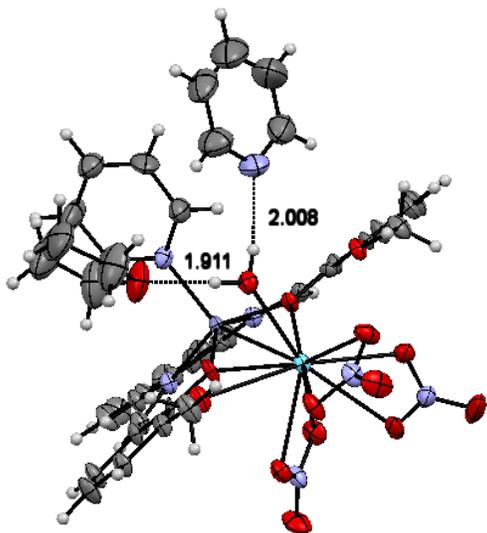


Figure S3 – <sup>1</sup>H NMR spectrum of ZnL complex 2; residual ethanol signals at 1.06 and 3.44 ppm.



**Figure S4** – Crystal packing with solvent molecules included.



**Figure S5** – Perspective view showing H-bonded solvent molecules (THF and pyridine).