

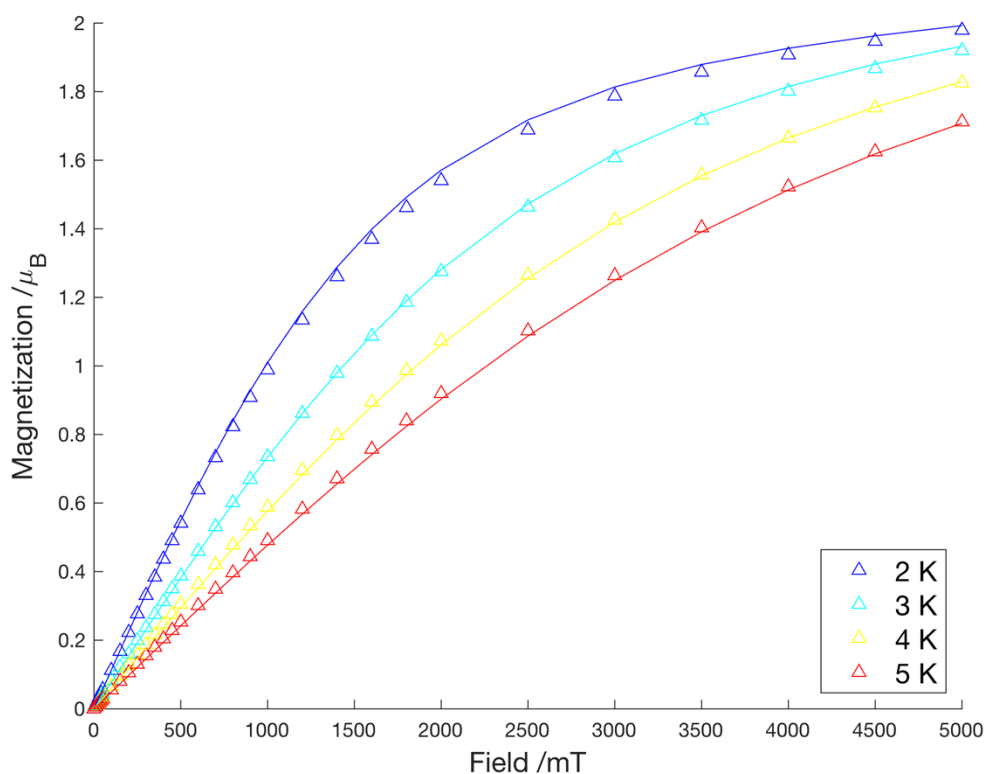
## Spectroscopic and Thermodynamic Characterization of a Cobalt-Verdazyl Valence Tautomeric System. Influence of Crystal Structure, Solvent and Counterion.

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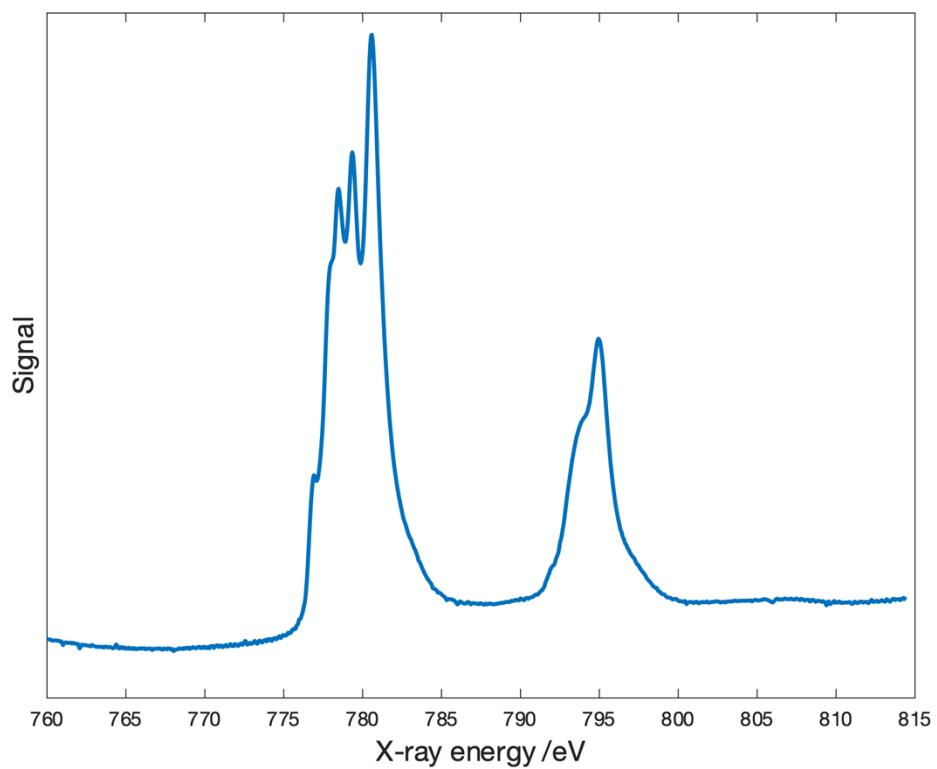
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### Supporting Information



**Figure S1.** Magnetization vs. Field at 2-5 K for  $[\text{Co}(\text{dipyvd})_2](\text{PF}_6)_2$ . Solid lines are calculated for an  $S=3/2$  system with  $g_{\text{iso}}=2.0$ ,  $D=18 \text{ cm}^{-1}$ ,  $E/D=0.05$



**Figure S2.** X-ray absorption spectrum for [Co(dipyvd)<sub>2</sub>](PF<sub>6</sub>)<sub>2</sub> recorded at 2K