

Supporting Information

Variable behaviour of a flexible bispyrazole ligand: A Co(II) polymer and unique Cu(II) penta-coordinated dimer

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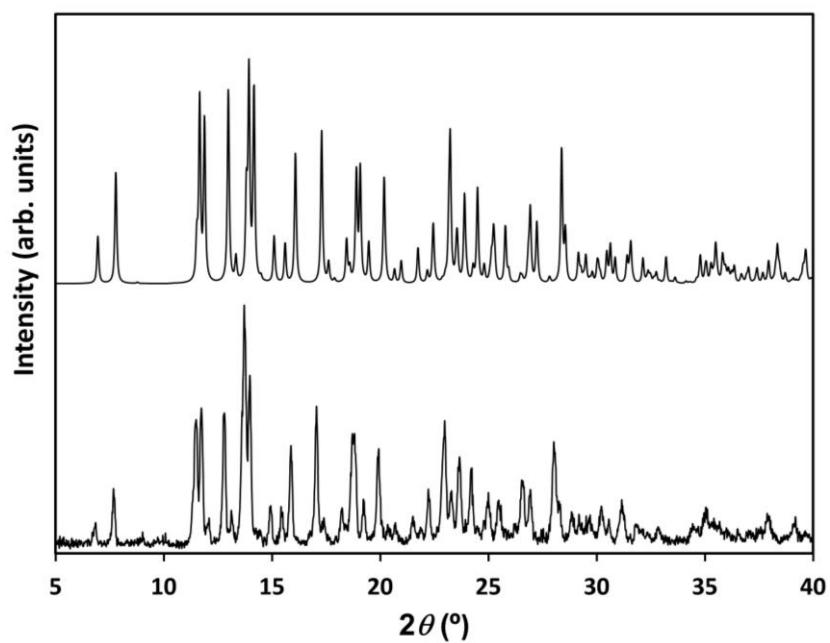


Figure S1. X-ray diffractogram of $\{[\text{Co}(\text{L})\text{Cl}_2]\cdot 1/2\text{H}_2\text{O}\}_n$ (**1**, bottom) measured at r.t. Calculated pattern from resolved crystal structure is also included (top) as a reference, from monocrystal XRD measured at 100(2) K.

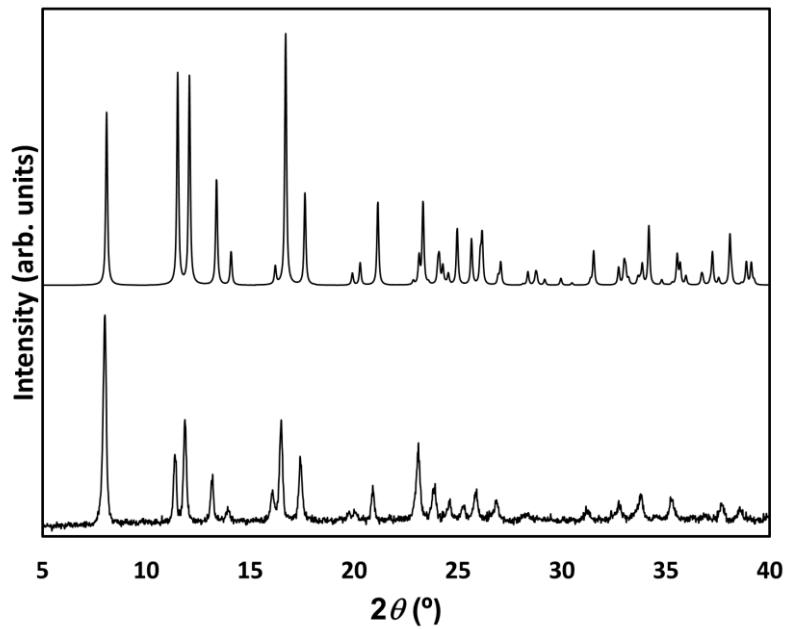


Figure S2. X-ray diffractogram of $[\text{Cu}_2(\text{L})\text{Cl}_4]$ (**2**, bottom) measured at r.t. Calculated pattern from resolved crystal structure is also shown (top) as a reference, from monocrystal XRD measured at 293(2) K.

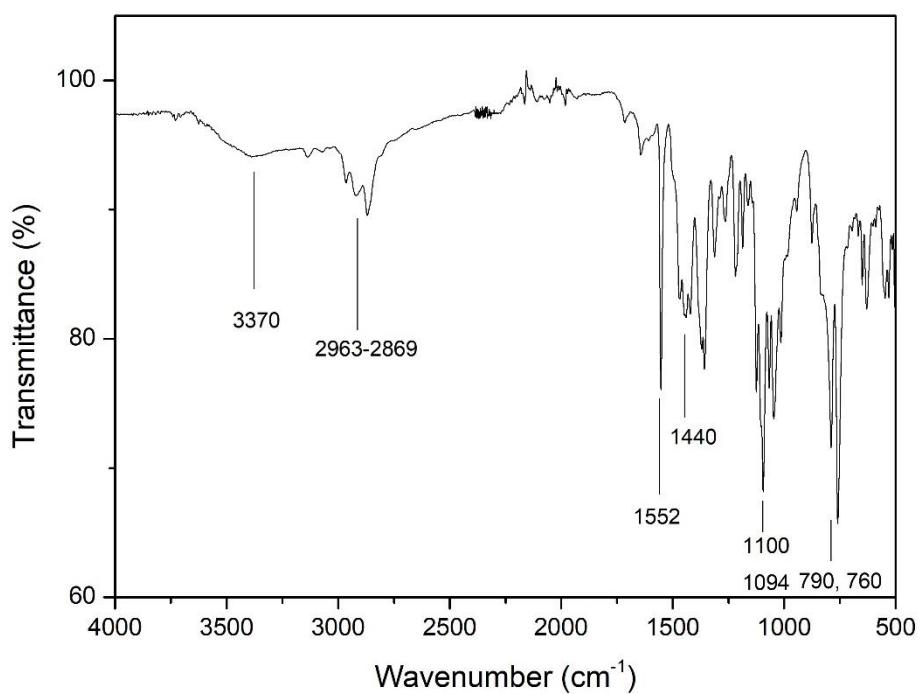


Figure S3. FTIR-ATR spectrum of compound 1

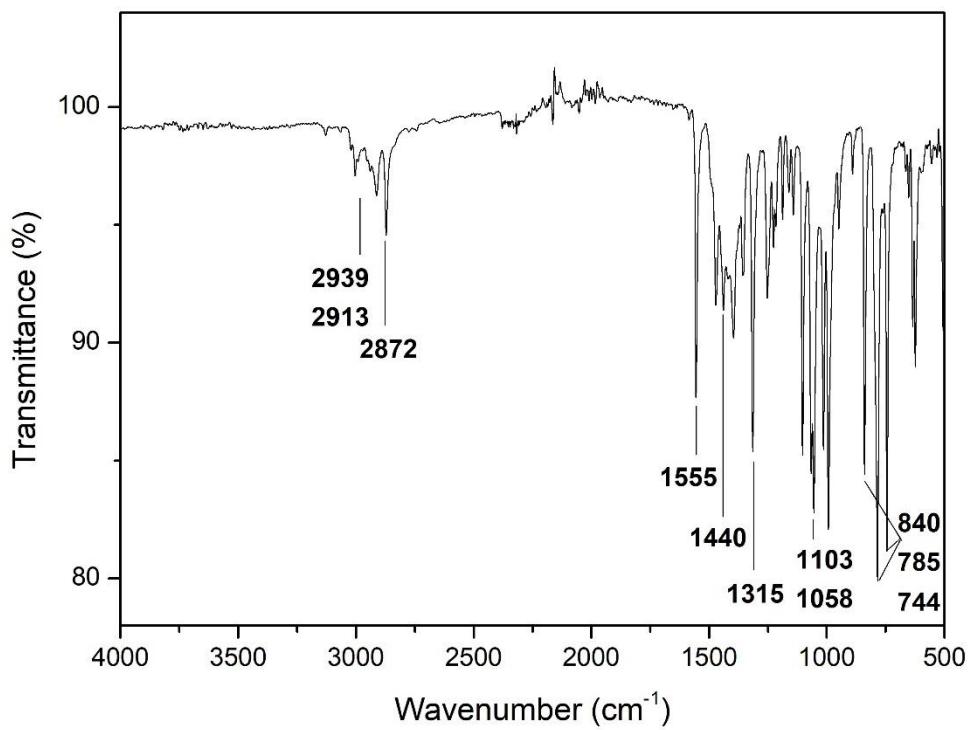


Figure S4. FTIR-ATR spectrum of compound 2

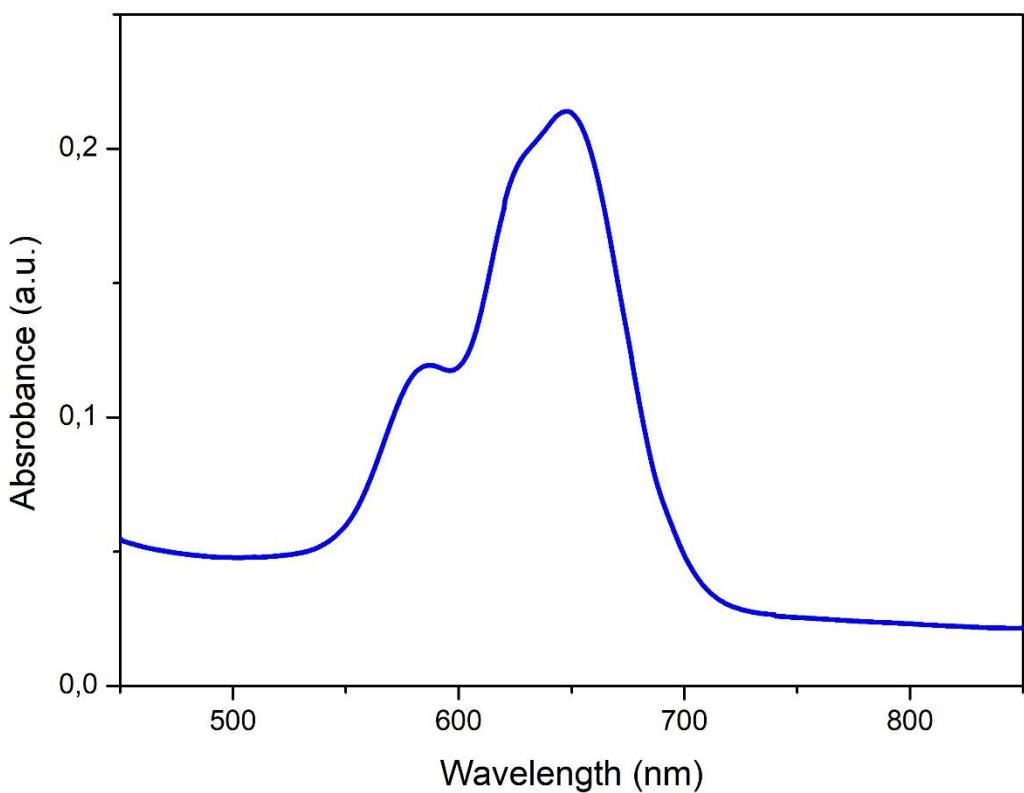


Figure S5. UV-Vis spectra of **1** (CH_2Cl_2 , $1.06 \cdot 10^{-3}$ M) measured at r.t.

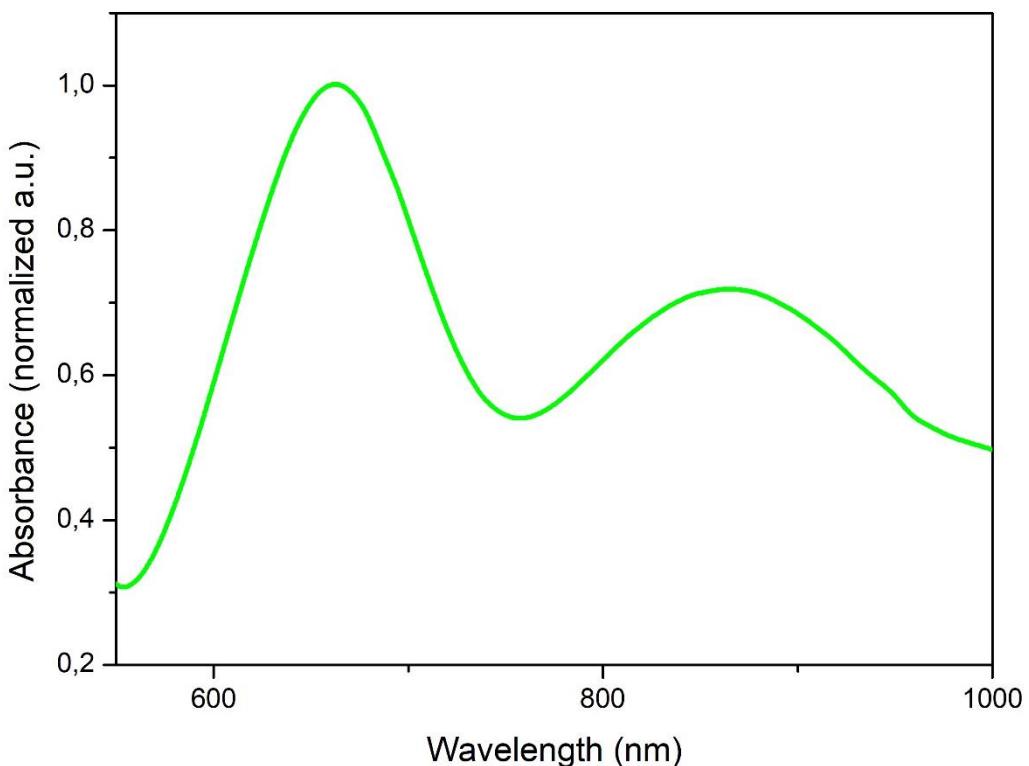


Figure S6. UV-Vis spectra of **2** ($1.25 \cdot 10^{-3}$ M) in MeOH measured at r.t.

