

Supporting information

Unusual solvent-mediated hydrolysis of dicarboxylate monoester ligands in copper(II) complexes toward simultaneous crystallization of new dicarboxylate derivatives

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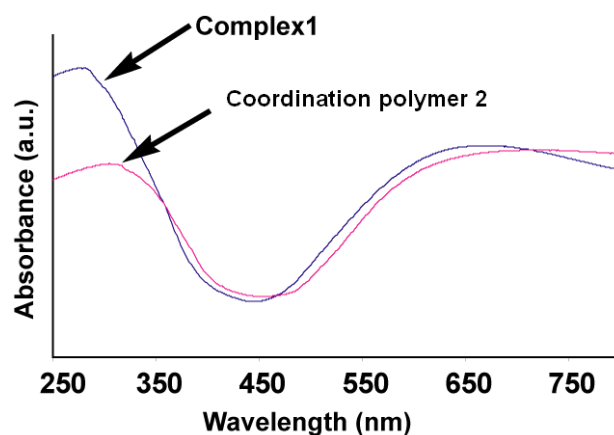


Figure 1S: Solid state UV-visible spectra of complex 1 and coordination polymer 2.

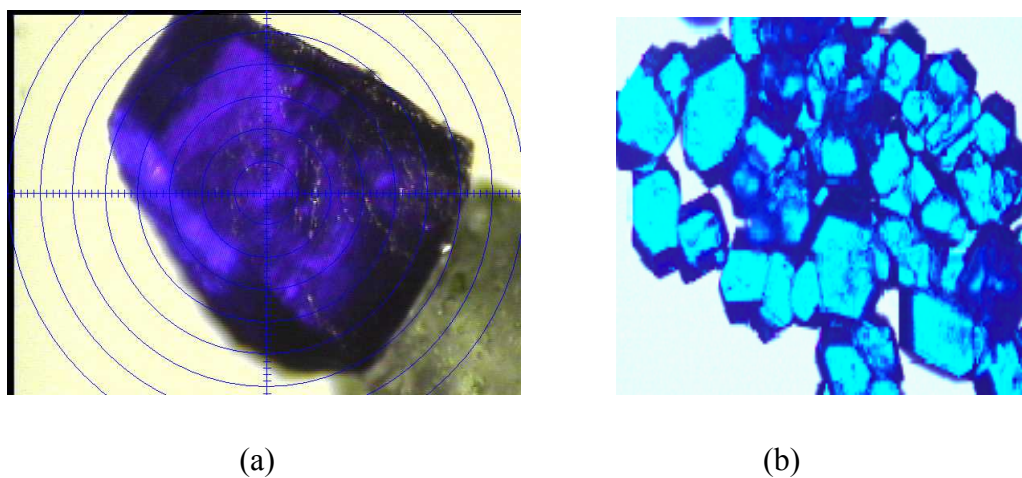


Figure 2S: Crystal/s morphology of (a) complex 1 and (b) coordination polymer 2.

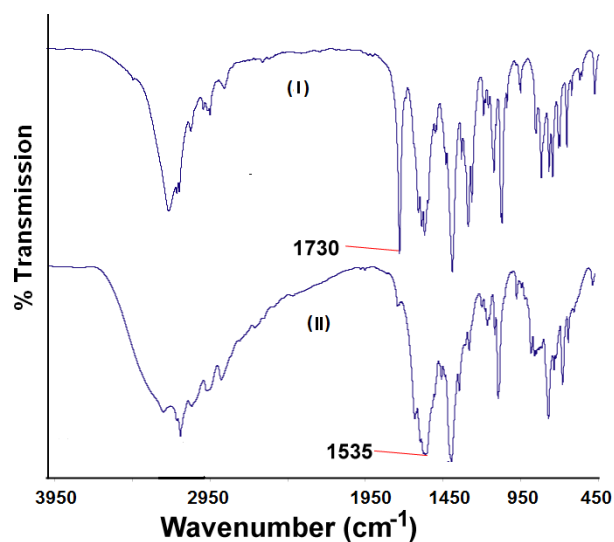


Figure 3S: FT-IR spectra (KBr, cm⁻¹) of the crystals of the (I) complex **1** (top) and (II) complex **1** transformed to crystals of coordination polymer **2** in solid state (bottom).

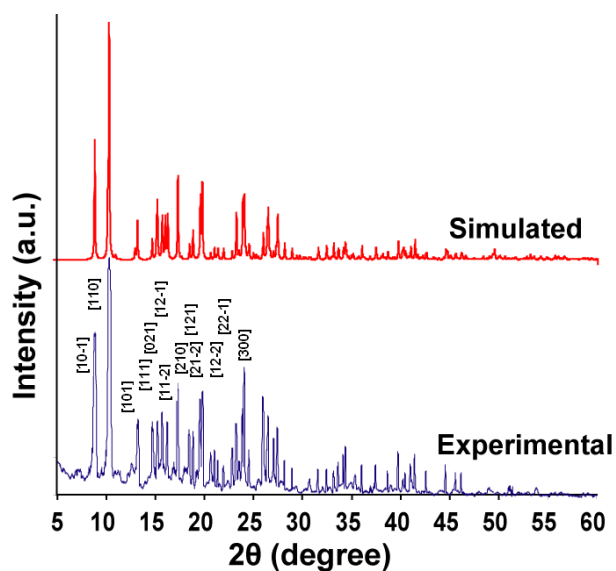


Figure 4S: Experimental and theoretical powder-XRD patterns of metallacycle **4**.

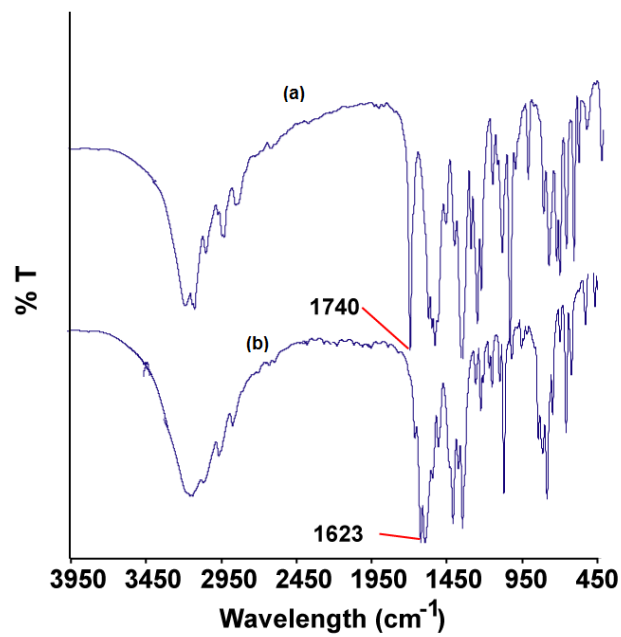


Figure 5S: FT-IR (KBr) spectra of (a) complex **3** and (b) complex **4**.

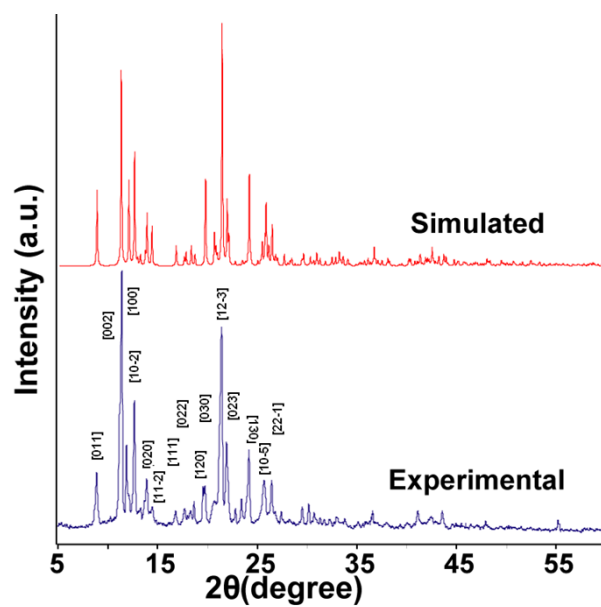
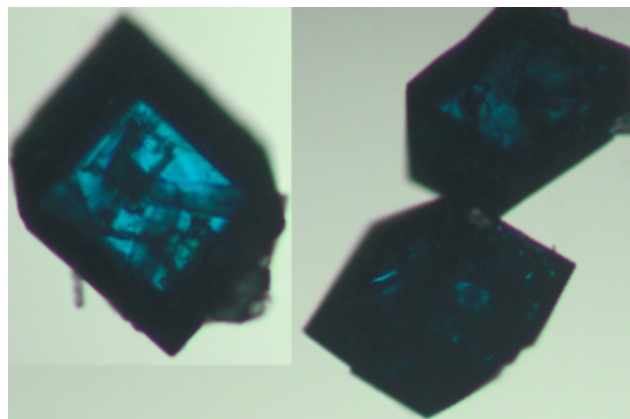


Figure 6S: Experimental and theoretical powder-XRD patterns of the complex **5**.



(a)



(b)

Figure 7S: Images of crystals of (a) complex **3** and (b) complex **4**.