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