

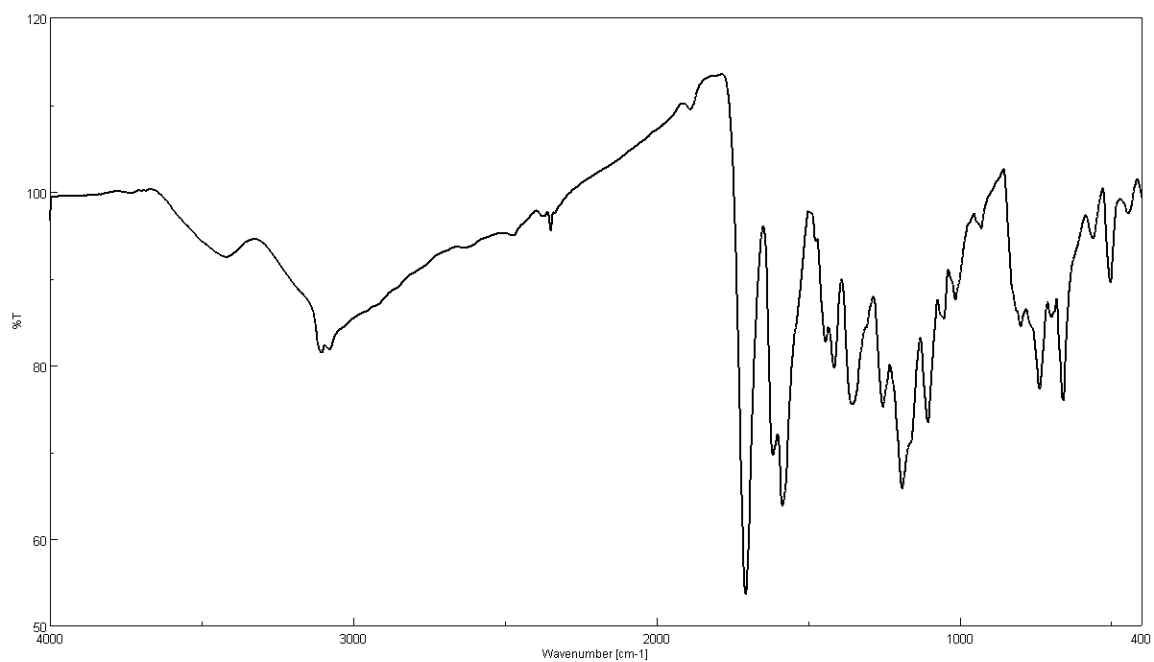
Control over the preparation of two pH-dependent Cu(II) supramolecular isomers based on 1,3,5-benzenetricarboxylic acid and the bis(4-pyridylthio)methane ligand

Ana Belén Lago,^{*} Rosa Carballo, Sabina Rodríguez-Hermida, Ezequiel M. Vázquez-López.

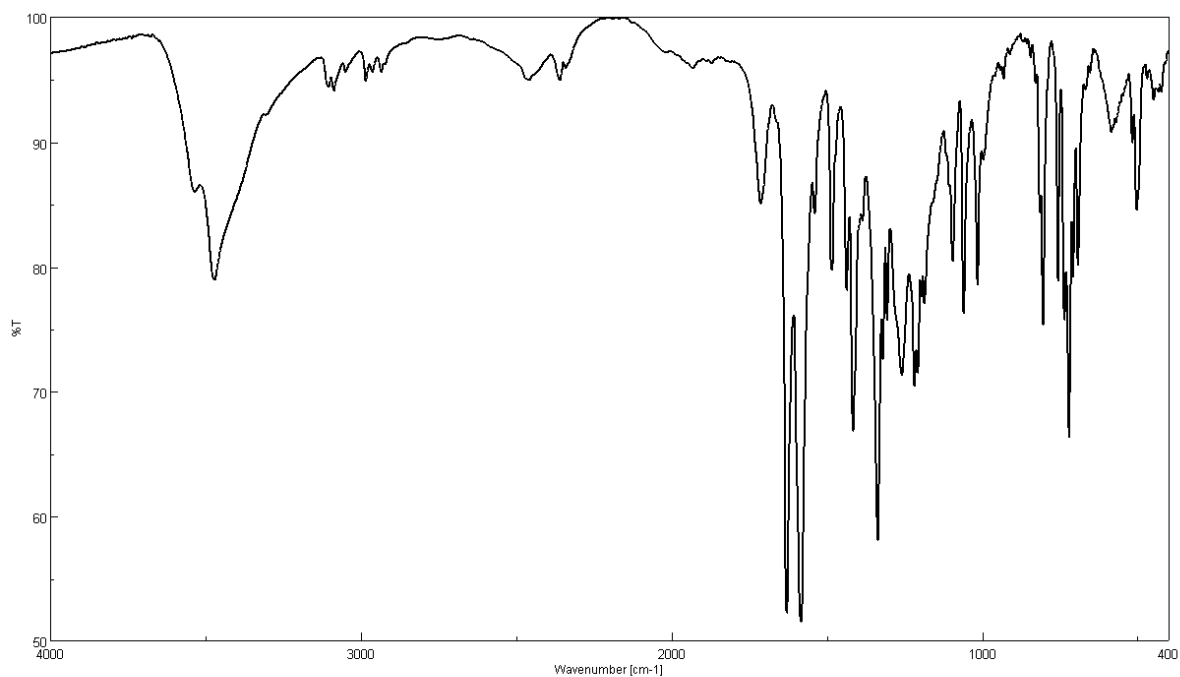
Departamento de Química Inorgánica, Facultade de Química, Universidade de Vigo, E-36310 Vigo, Galicia, Spain.

^{*}Corresponding authors: A. B. Lago, e-mail: ablago@uvigo.es

Supplementary material



A)



B)

Figure S1. IR spectra of **1** (A), **2** (B) and **3** (C).

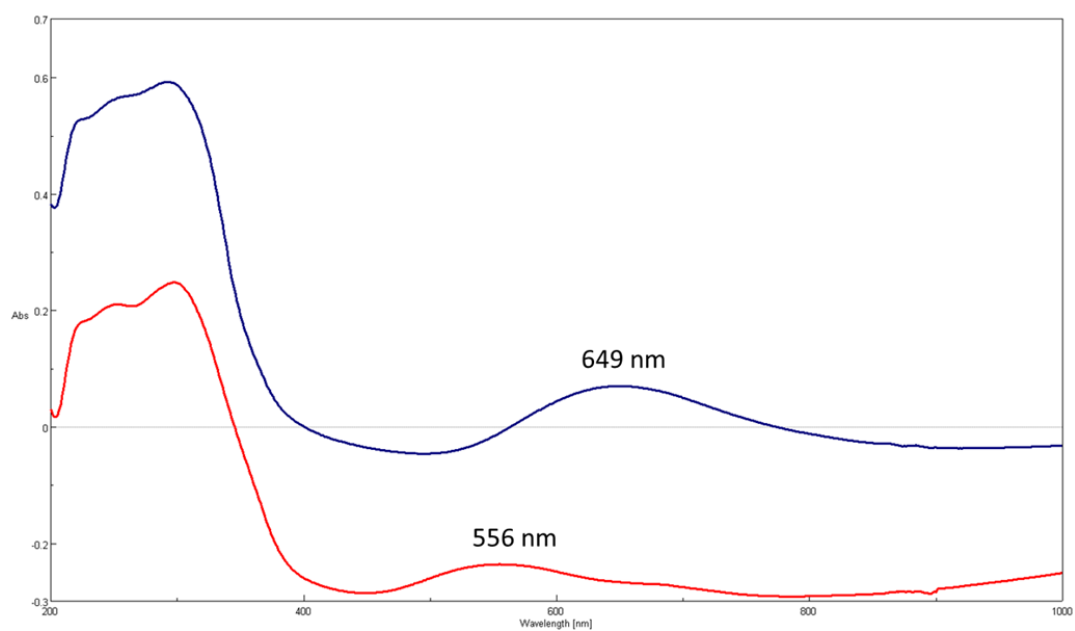


Figure S2. The solid state UV-Vis data of **1** (red), **2** (blue) in the range of 200 to 1000 nm.

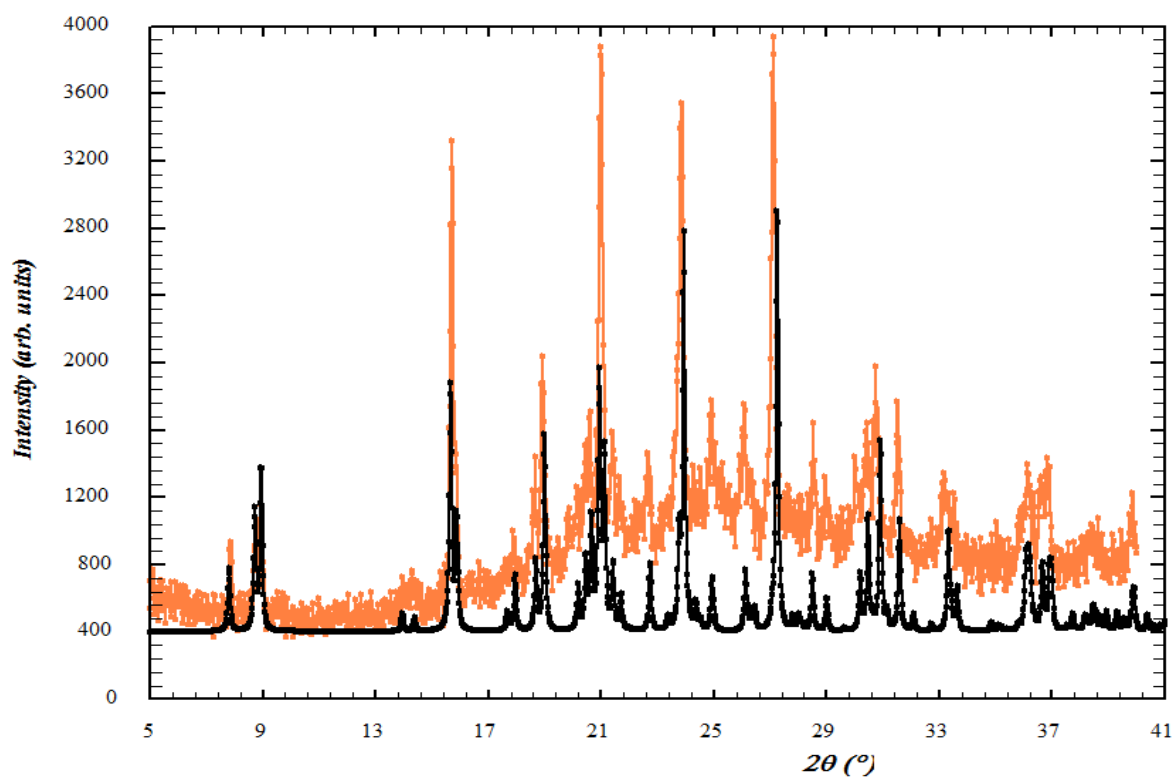


Figure S3. Powder X-ray diffractogram of **1** calculated from single crystal data (black) and as-synthesized compound (orange)

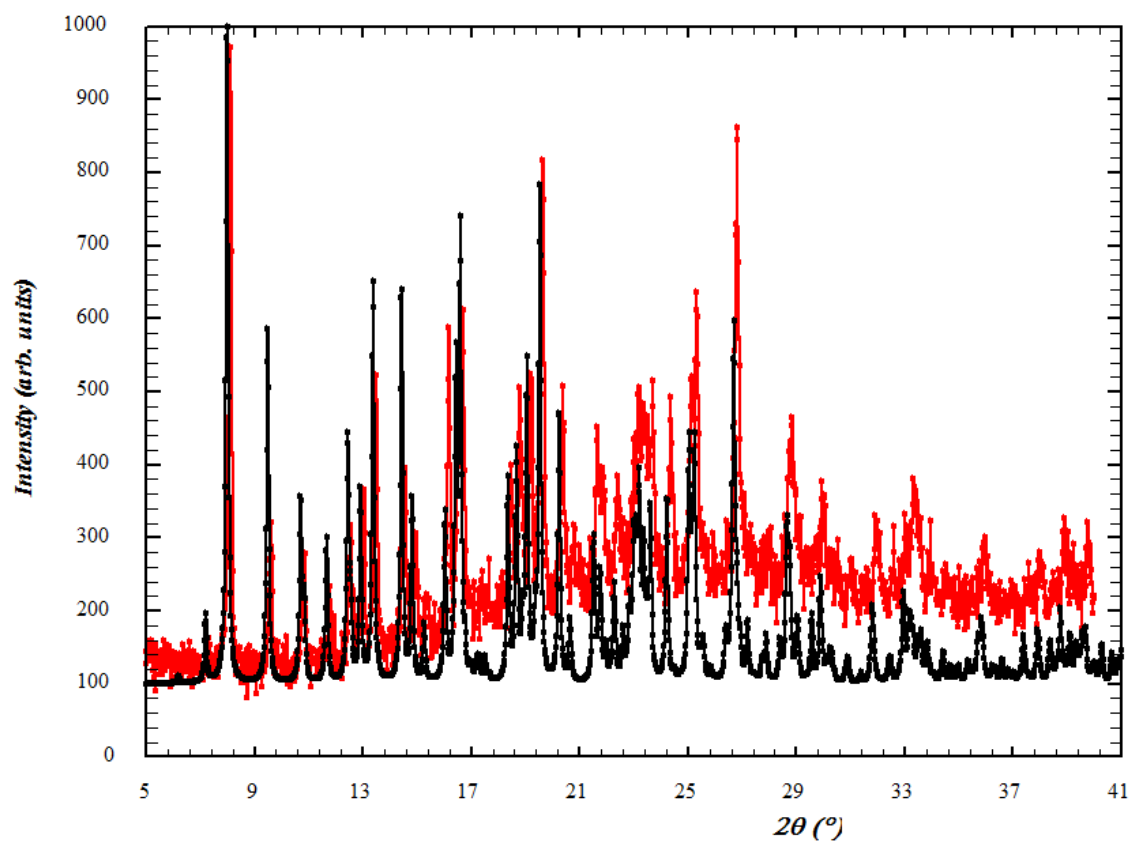


Figure S4. Powder X-ray diffractogram of **2** calculated from single crystal data (black) and as-synthesized compound (red)

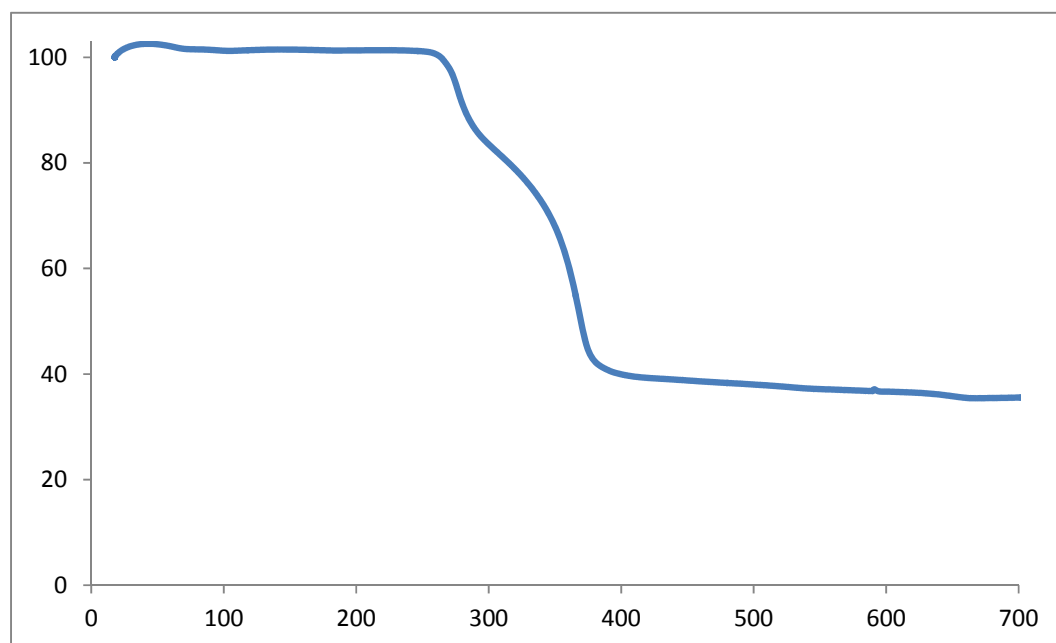


Figure S5. Thermogravimetric analysis (TGA) of **1** carried out between 25 and 700°C.

THERMAL ANALYSIS AND X.-RAY POWDER DIFFRACTION PATTERNS OF 2:

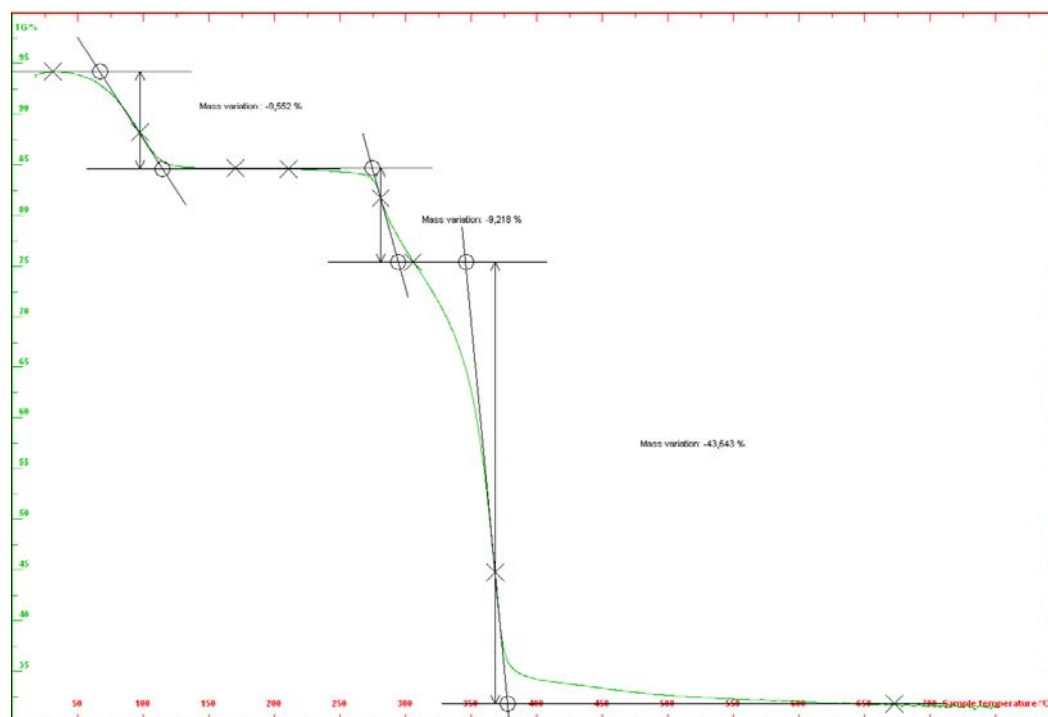


Figure S6. Thermogravimetric analysis (TGA) of **2** carried out between 25 and 700°C.

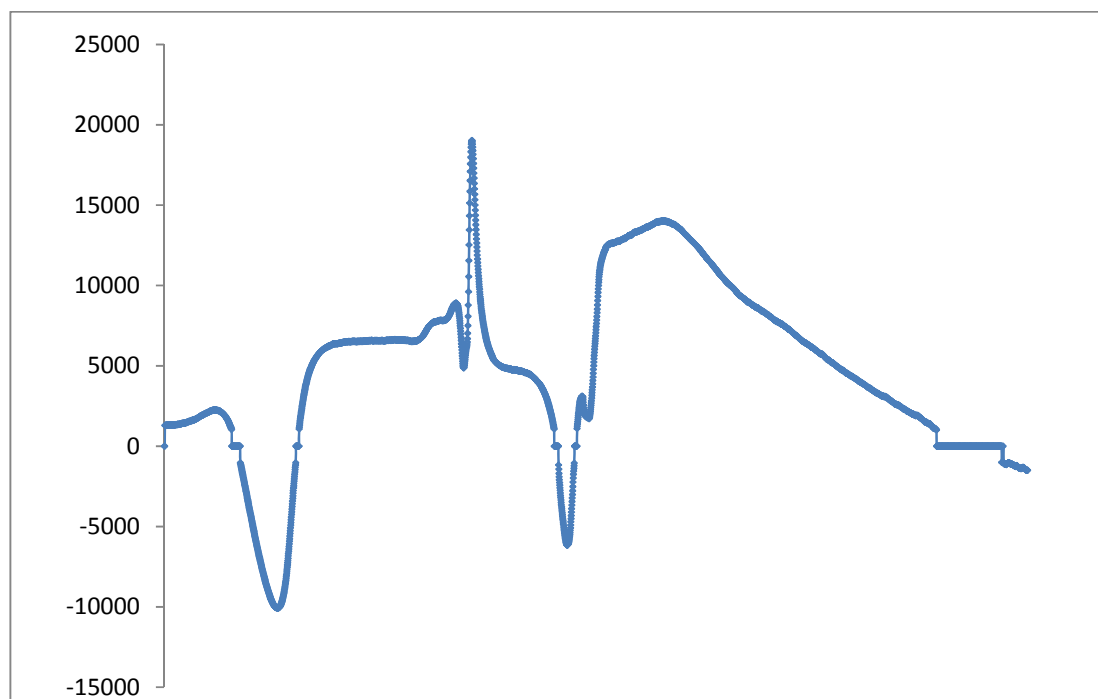
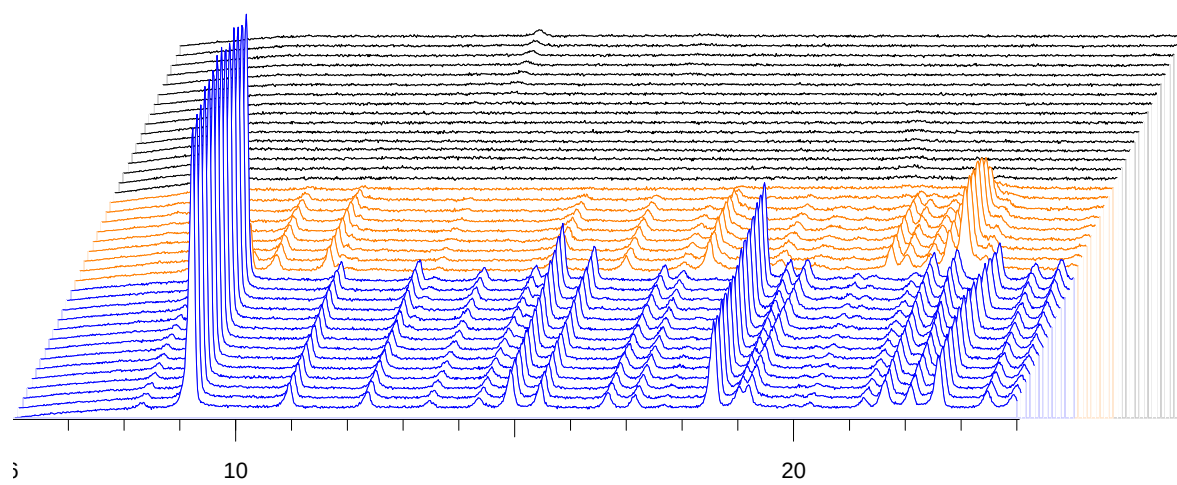
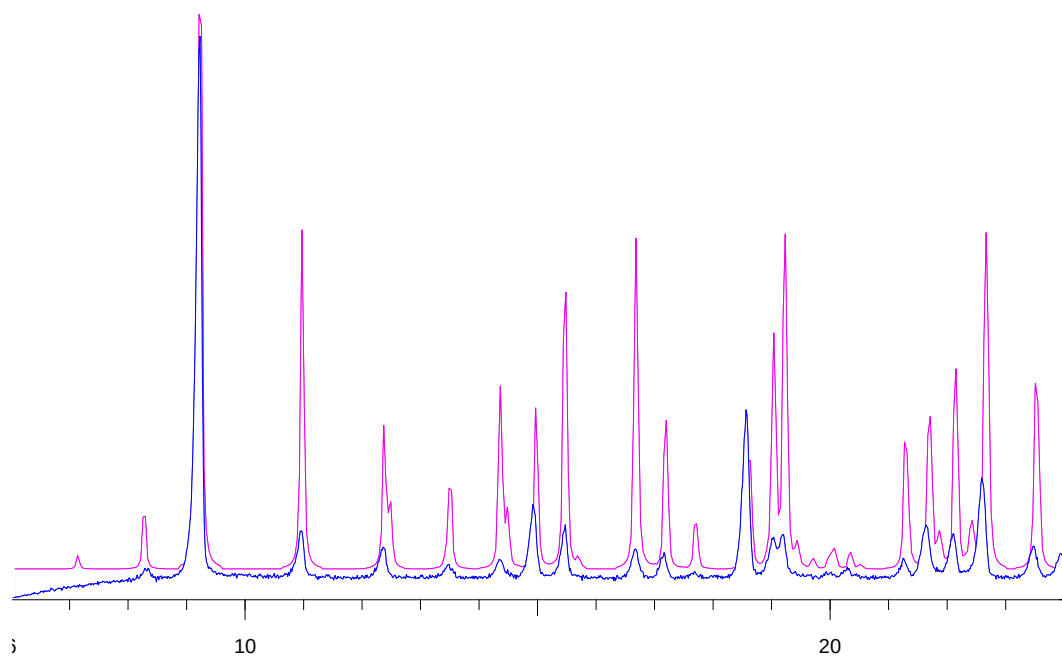


Figure S7. Differential scanning calorimetry (DSC) of **2** carried out between 25 and 700°C.



A)



B)

Figure S8. Variable-temperature X-ray powder diffraction patterns of **2** (A). Powder X-ray diffractogram of **2** calculated from single crystal data (pink) and as-synthesized compound (blue) (B).