

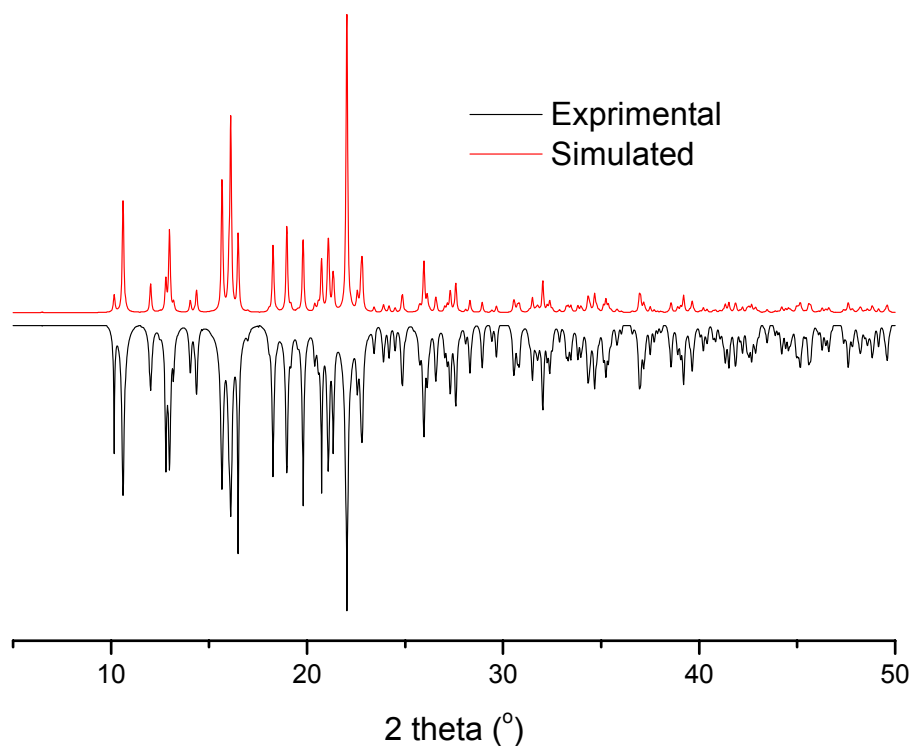
## Supplementary Information for:

### Two zinc (II) supramolecular isomers of square grid networks formed by two flexible ligands: syntheses, structures and nonlinear optical properties

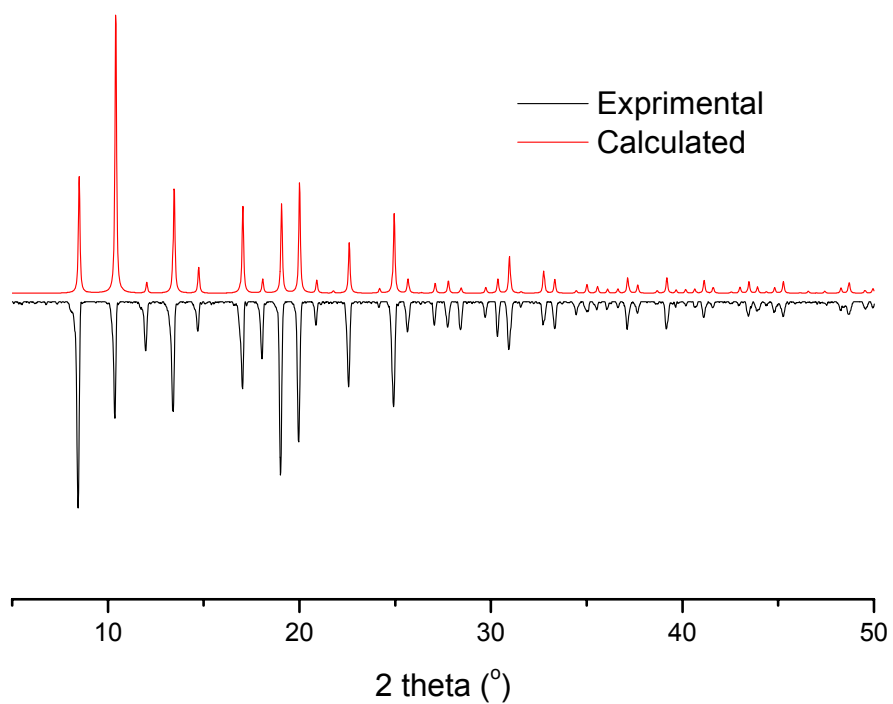
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(a)



(b)

Figure S1. Calculated and experimental powder diffraction patterns for 1 (a) and 2

(b).

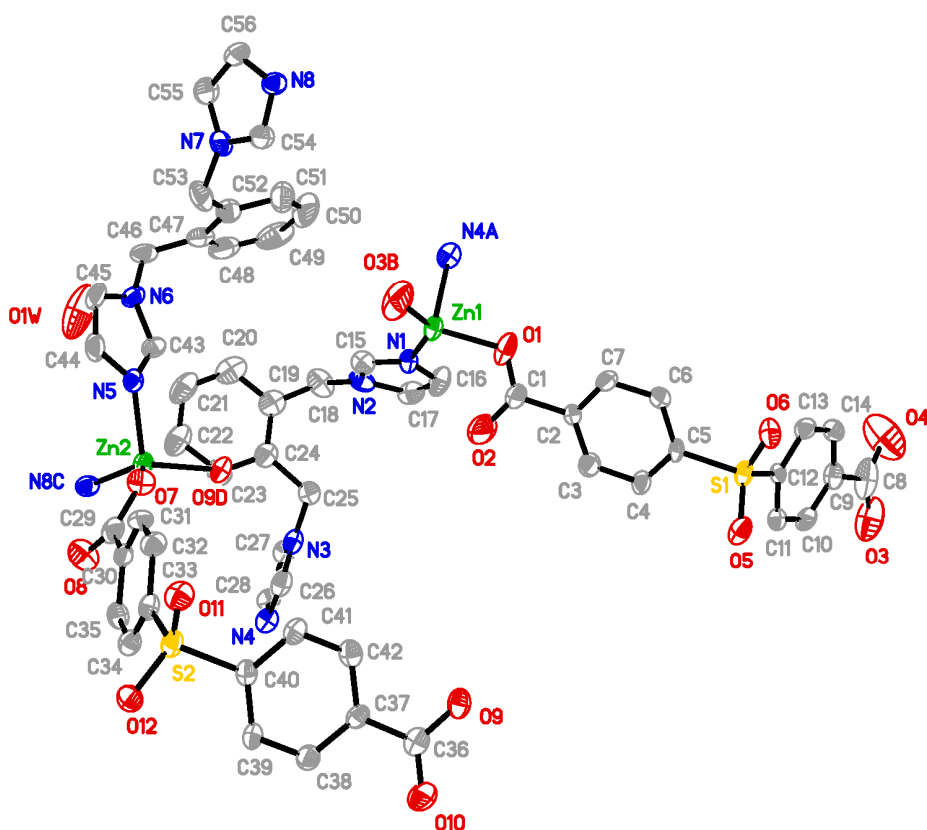


Figure S2. ORTEP drawing of the basic building unit in **2**, showing the coordination environment around the zinc atom with thermal ellipsoids at 30% probability. Hydrogen atoms and uncoordinated water molecules are omitted. Hydrogen atoms are omitted. Symmetry code: A =  $x, y-1, z$ ; B =  $x-1/2, 1-y, z$ ; C =  $x, 1+y, z$ ; D =  $1/2-x, y, 1/2+z$ .

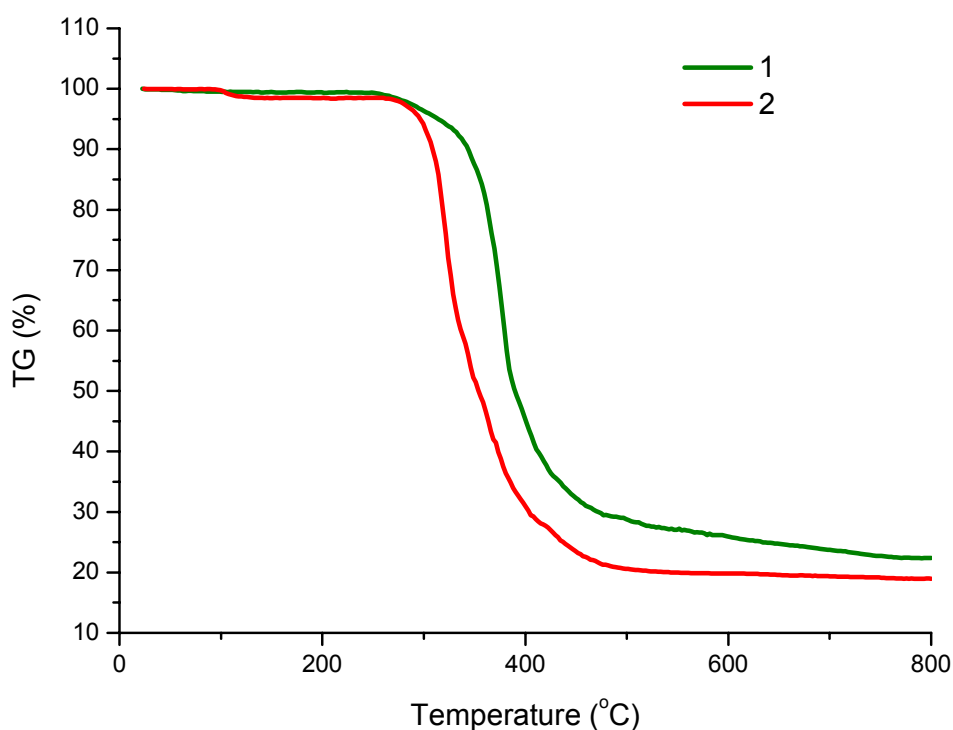


Figure S3. TG curve of complexes **1** and **2**.