

Supporting Information

**Synthesis, Structure and Thermal Stability of
Supramolecular Polymers with 1D Chain :
[M(BPP)₂(TBTA)(H₂O)₂]_n [M=Mn(1), Co(2)]**

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General Information. All the reagents and solvents were obtained as commercial products and used without further purification. Distilled water was used throughout. Elementary analyses were performed on a varioEL cube analyzer by the elementary analysis group of this institute. IR spectra (KBr pellets) were taken on a FTIR-8400S spectrometer in the range of 4000-400 cm⁻¹. Thermal gravimetric analysis (TGA) was carried out on a ZCT-A instrument in the temperature range of 25-800°C at a heating rate of 10°C/min under air atmosphere. An empty Al₂O₃ crucible was used as the reference.

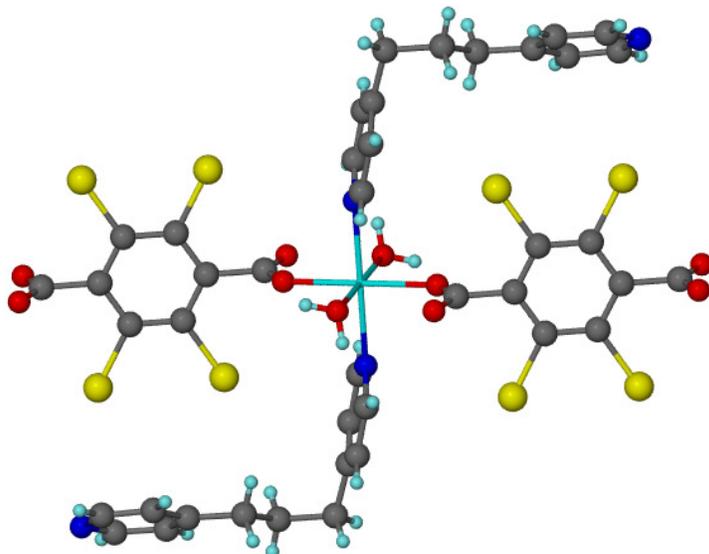


Figure S1. Coordination environments of metal atom in 1 and 2 [M = Mn(1), Co(2)].

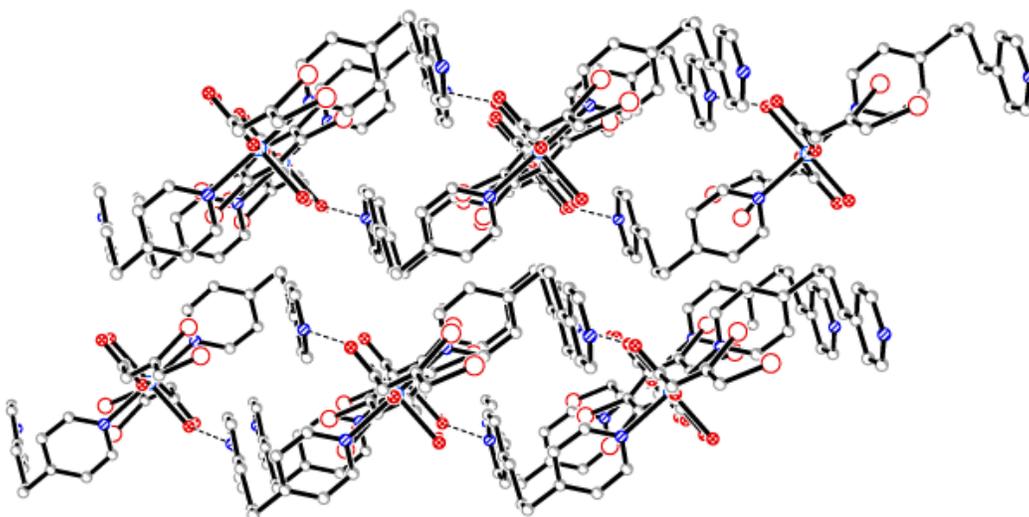


Figure S2. Packing diagram of 1 showing hydrogen-bonding interactions (dashed lines).

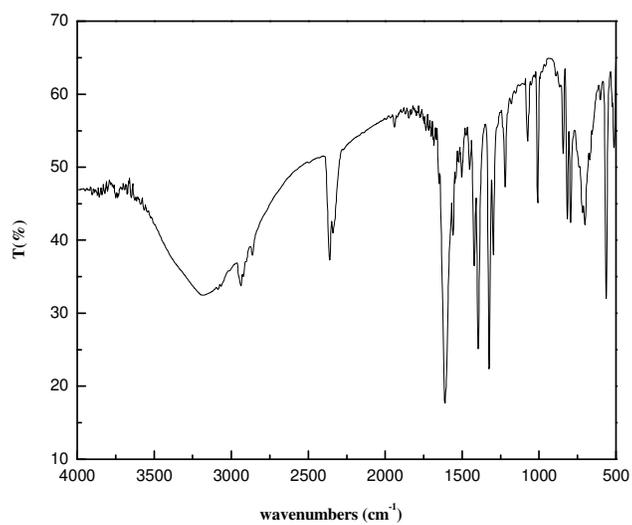


Figure S3. IR spectra of complexes 1

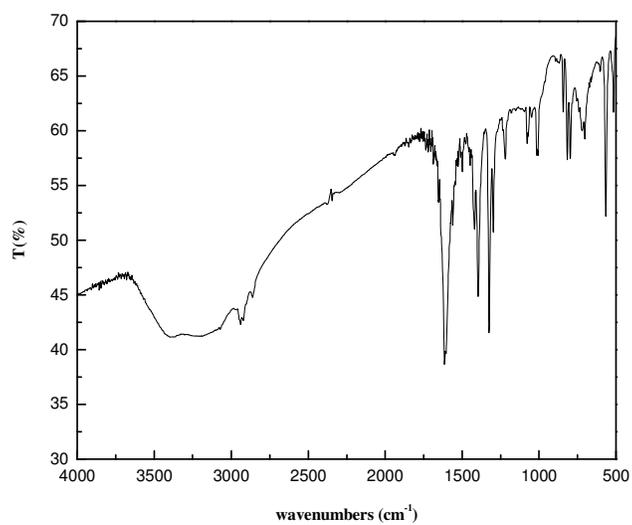


Figure S4. IR spectra of complexes 2

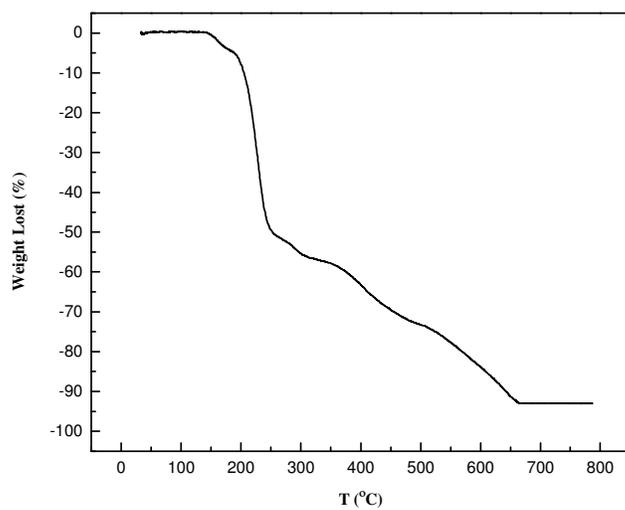


Figure S5. Thermogravimetric analyses for complexes 1

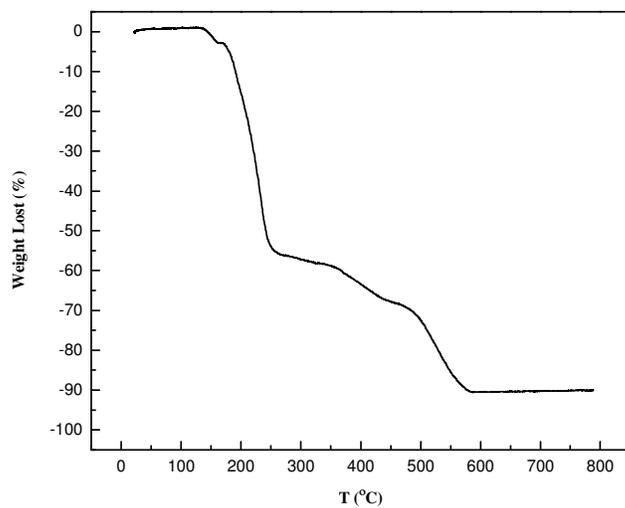


Figure S6. Thermogravimetric analyses for complexes 2

