

Supplementary Materials

Diverse Co(II) Coordination Polymers with Same Mixed Ligands: Evaluation for Chemical Stability and Structural Transformation

Chia-Yi Lee,¹ Yu-Hui Ye,¹ Song-Wei Wang¹ and Jhy-Der Chen^{1,*}

¹ Department of Chemistry, Chung Yuan Christian University, Chung Li, Taoyuan City 320, Taiwan; miss10031031@gmail.com (C.-Y.L.); a4862225@gmail.com (Y.-H. Y.); bvbv20520@gmail.com (S.-W.W.)

* Correspondence: jdchen@cycu.edu.tw (J.-D.C.);
Tel.: +886-3-265-3351 (J.-D.C.)

Figure S1. The PXRD patterns of complex **1**.

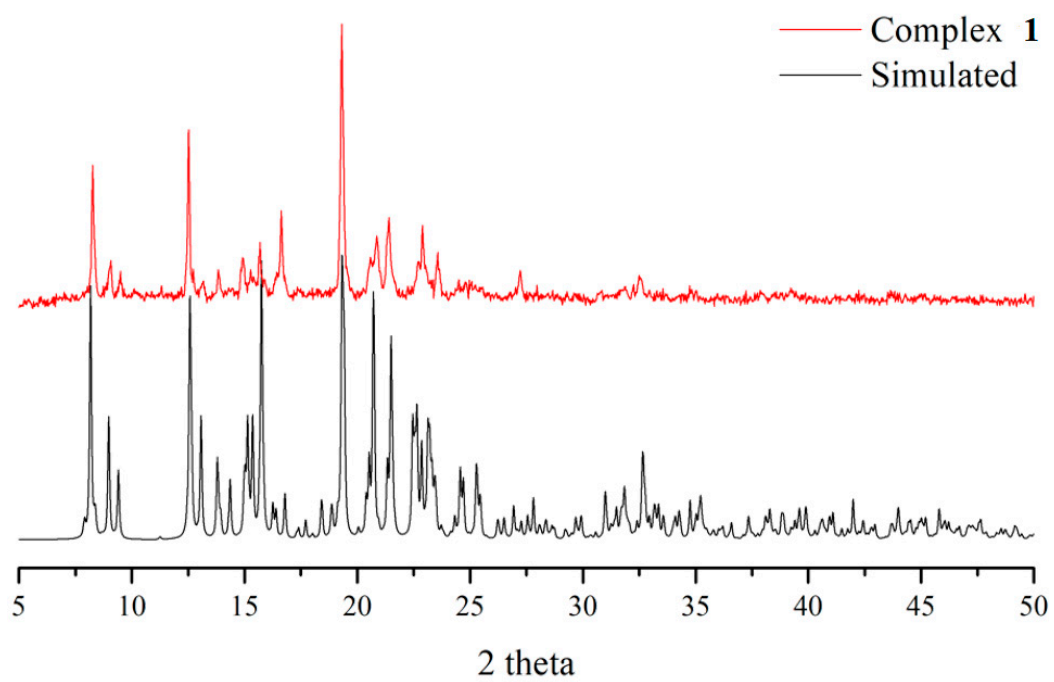


Figure S2. The PXRD patterns of complex **2**.

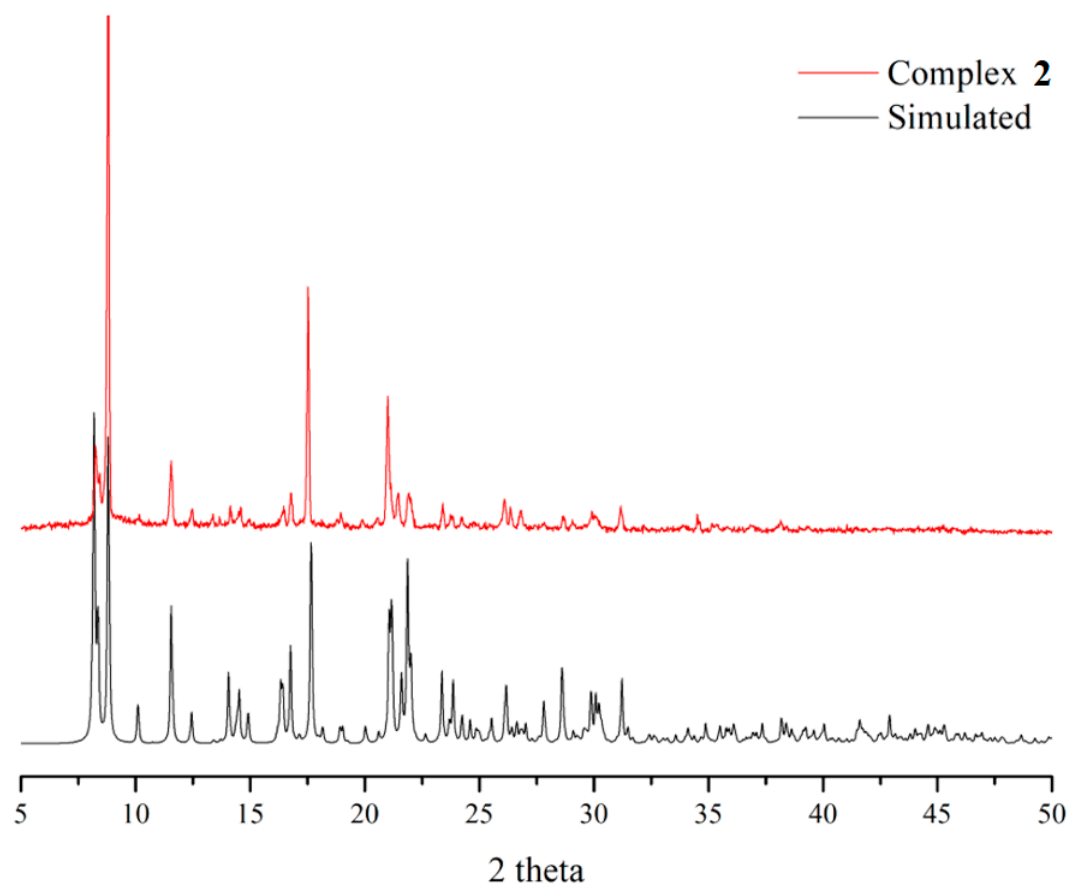


Figure S3. The PXRD patterns of complex **3**.

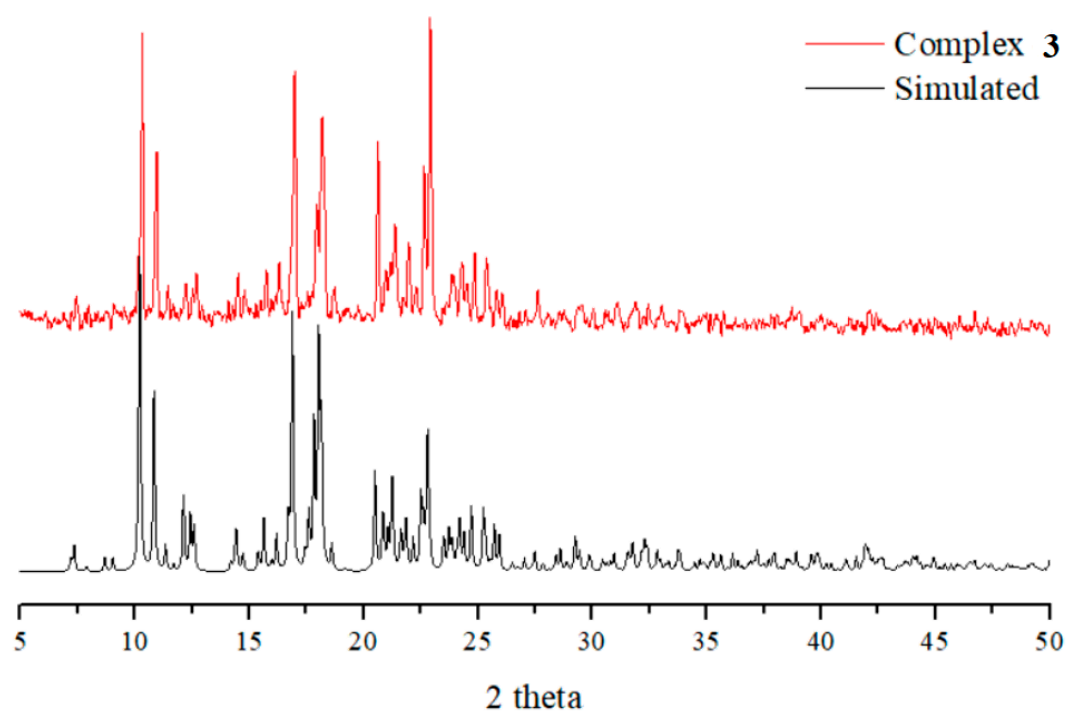


Figure S4. The PXRD patterns of complex **4**.

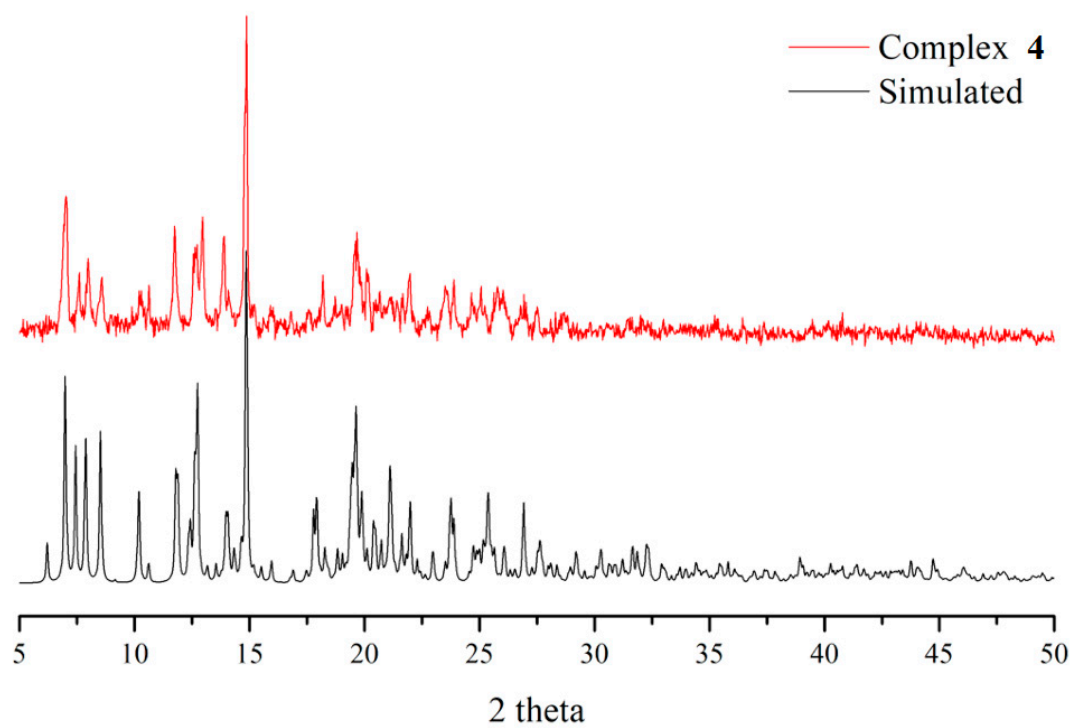


Figure S5. TGA curve of complex **1**.

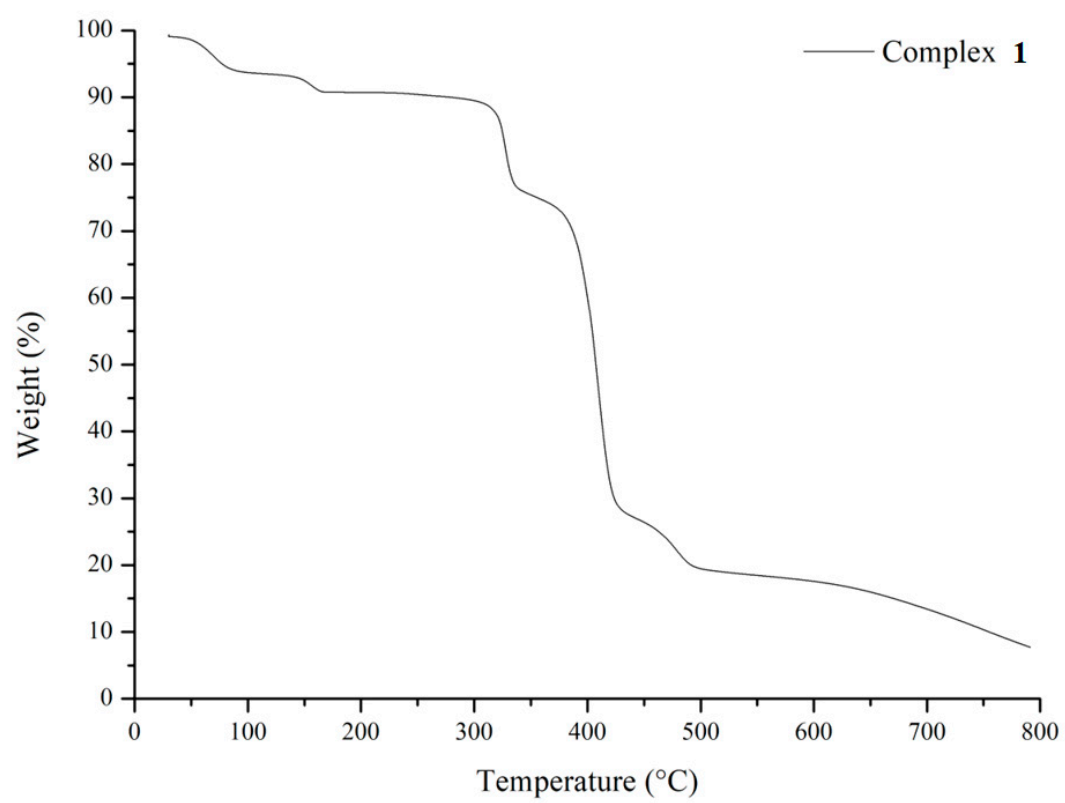


Figure S6. TGA curve of complex **2**.

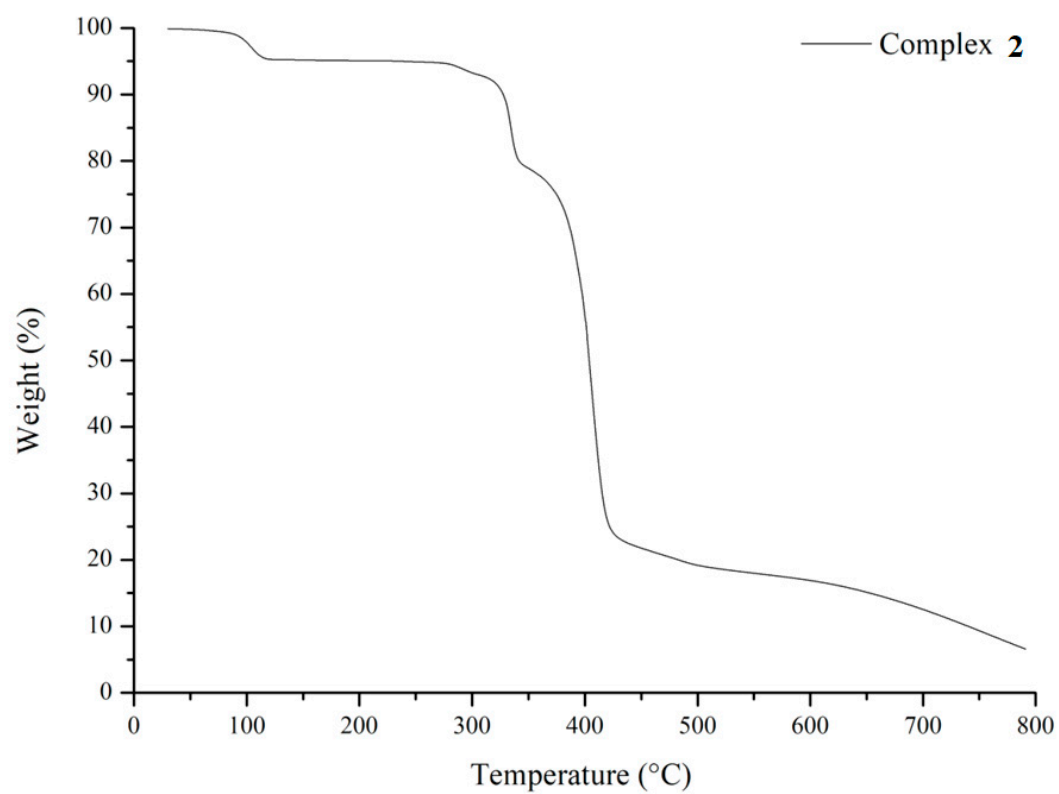


Figure S7. TGA curve of complex **3**.

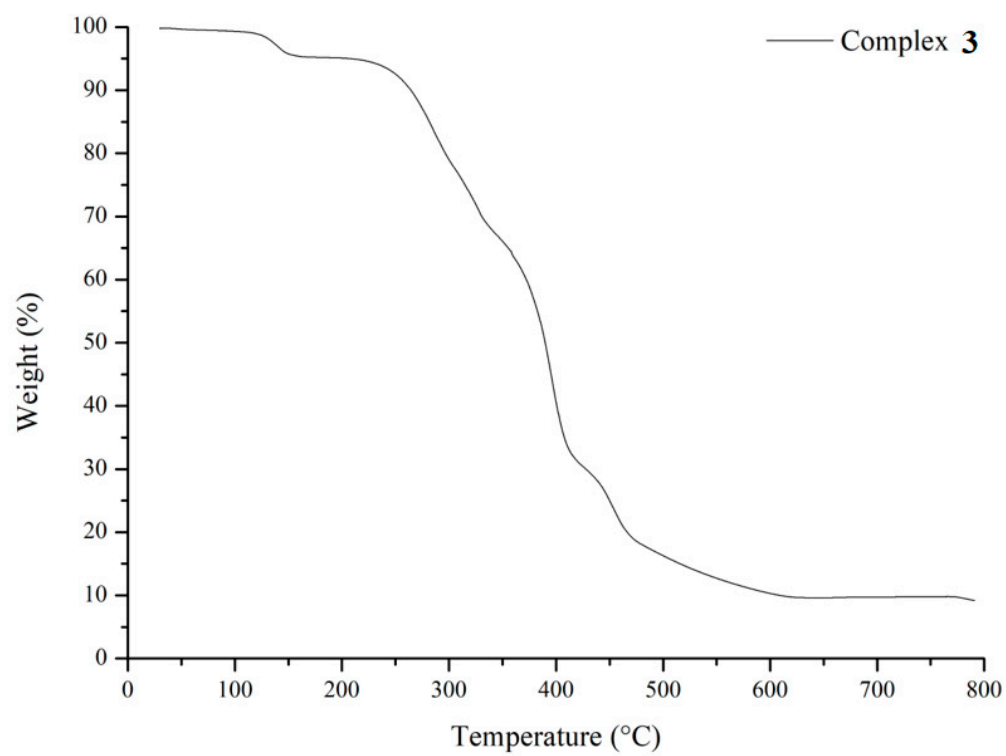


Figure S8. TGA curve of complex **4**.

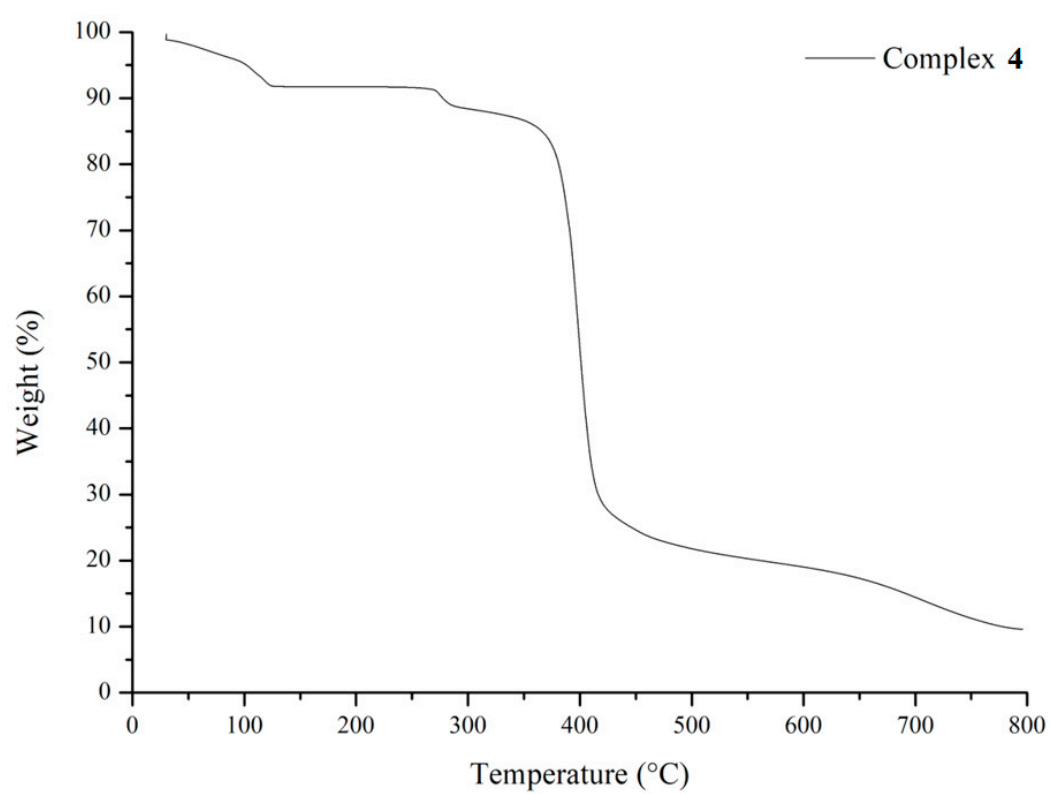


Figure S9. PXRD patterns of complex **1** immersed in a variety of organic solvents.

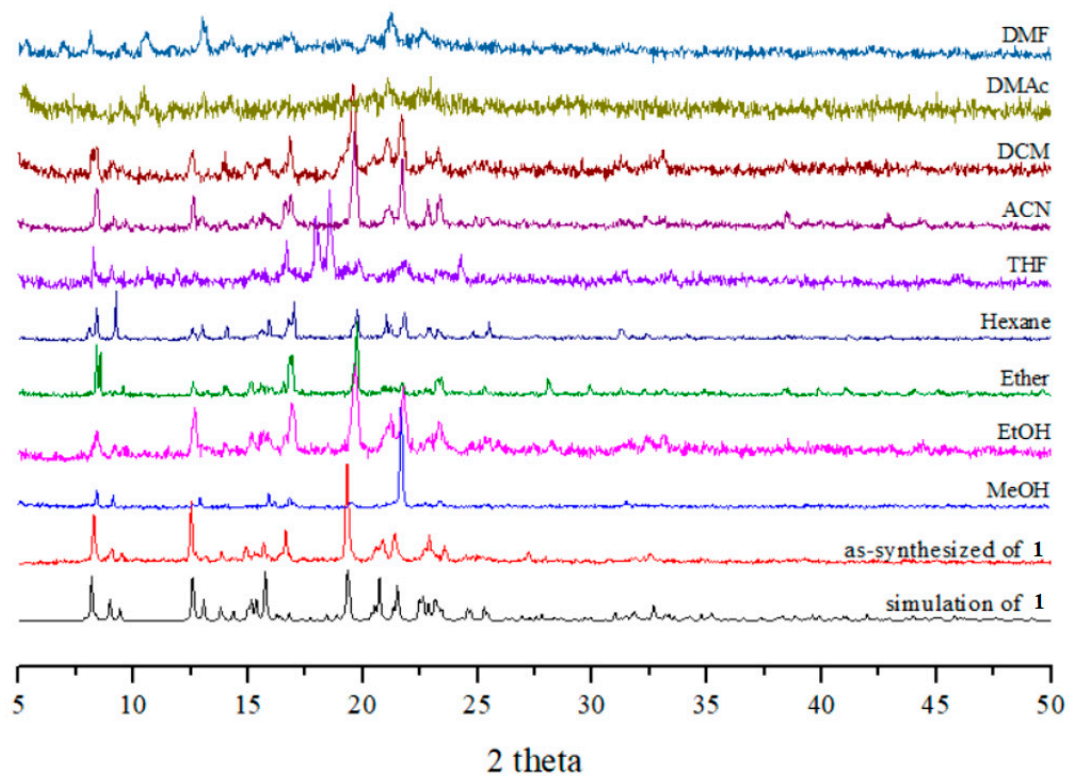


Figure S10. PXRD patterns of complex **2** immersed in a variety of organic solvents.

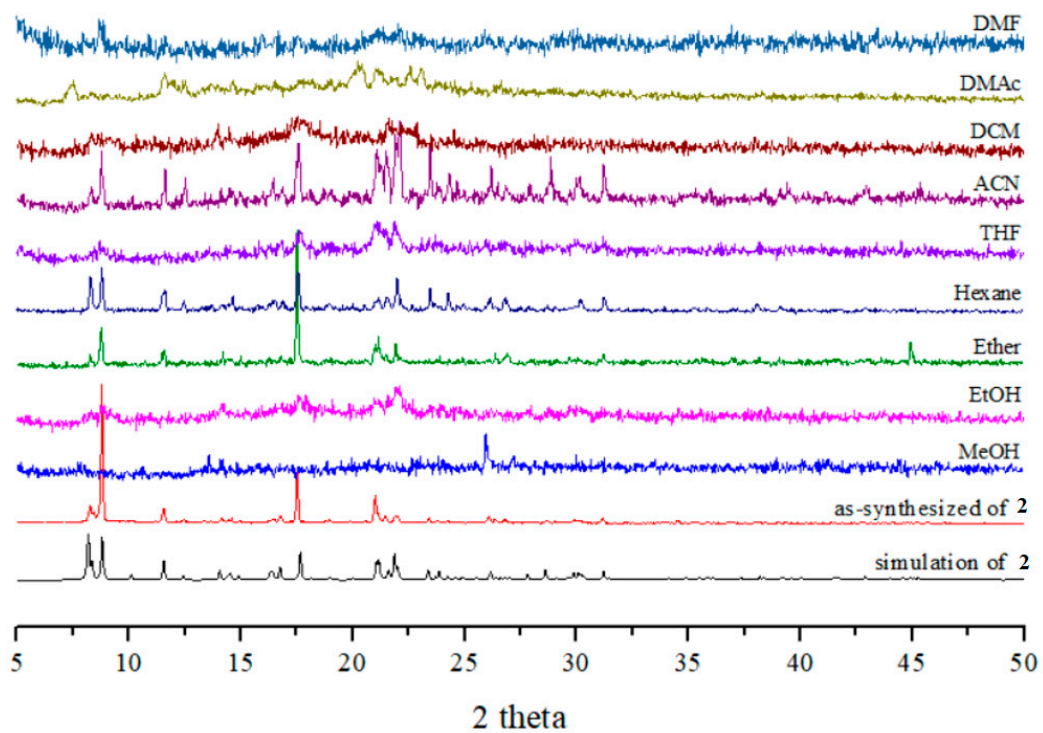


Figure S11. PXRD patterns of complex **3** immersed in a variety of organic solvents.

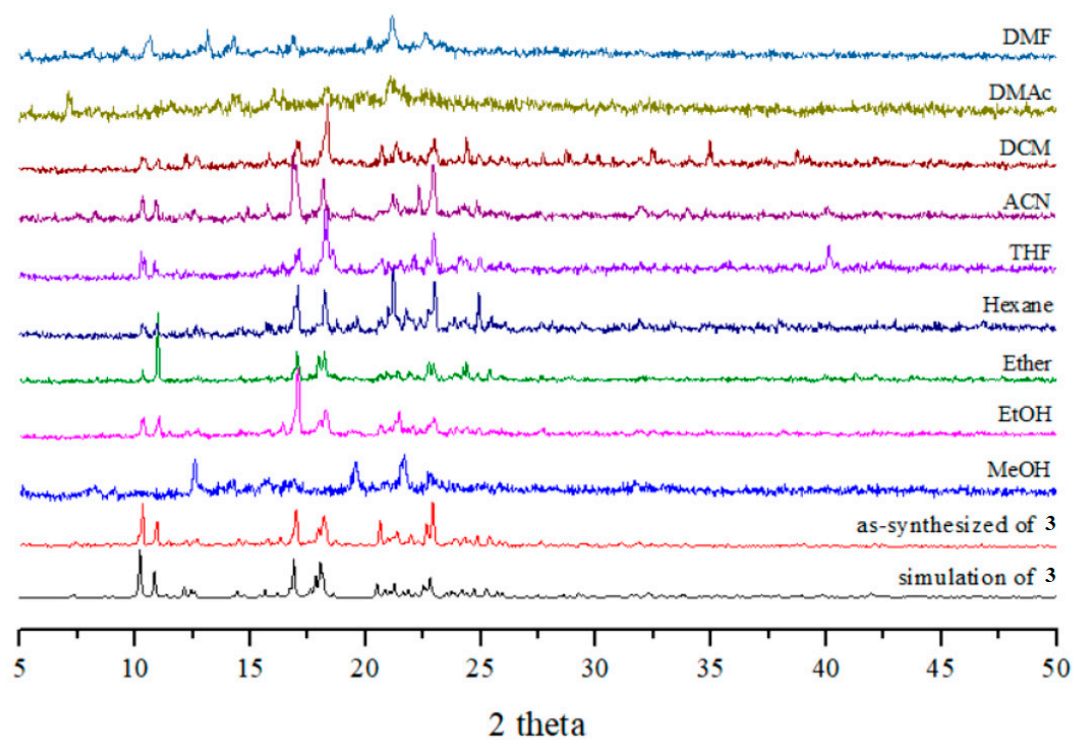


Figure S12. PXRD patterns of complex **4** immersed in a variety of organic solvents.

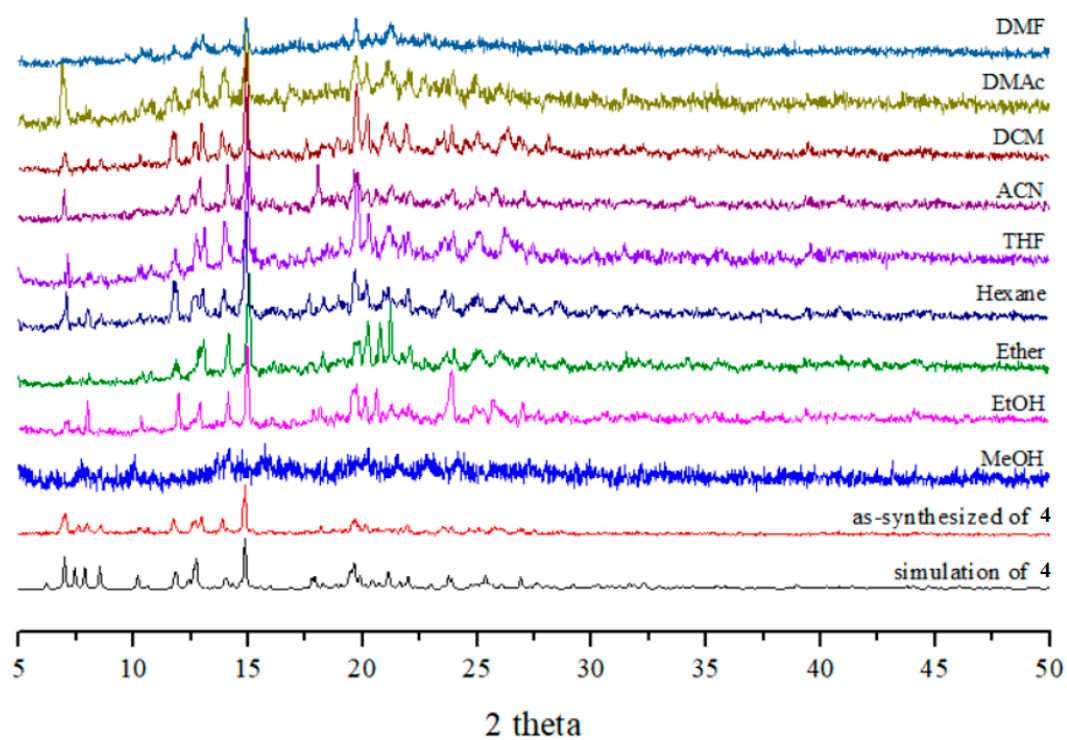


Figure S13. Photos of complexes **1** – **4** before and after heating.

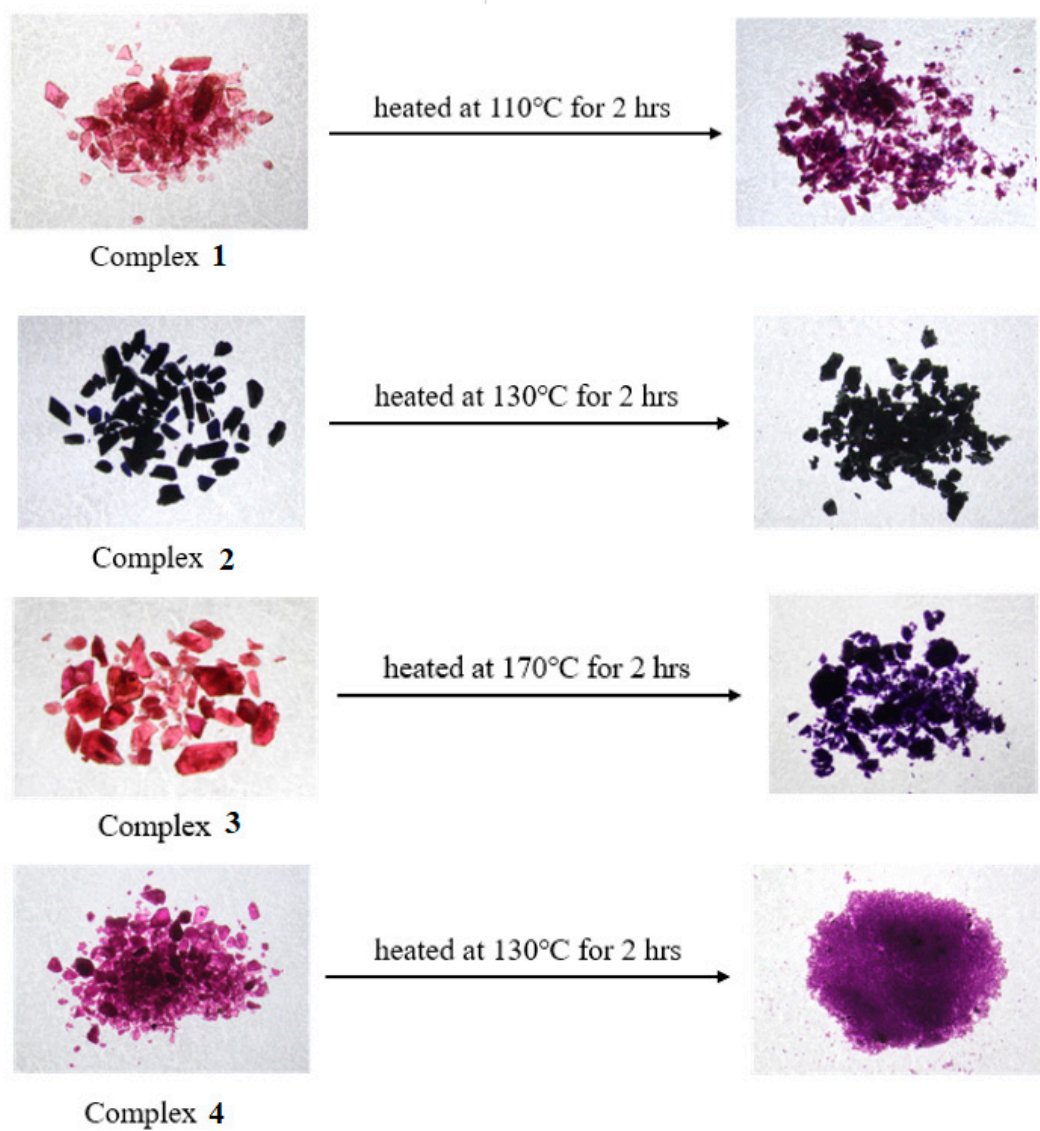


Figure S14. PXRD patterns of complex **1** heated at 110 °C for 2 hours and then immersed in a variety of organic solvents.

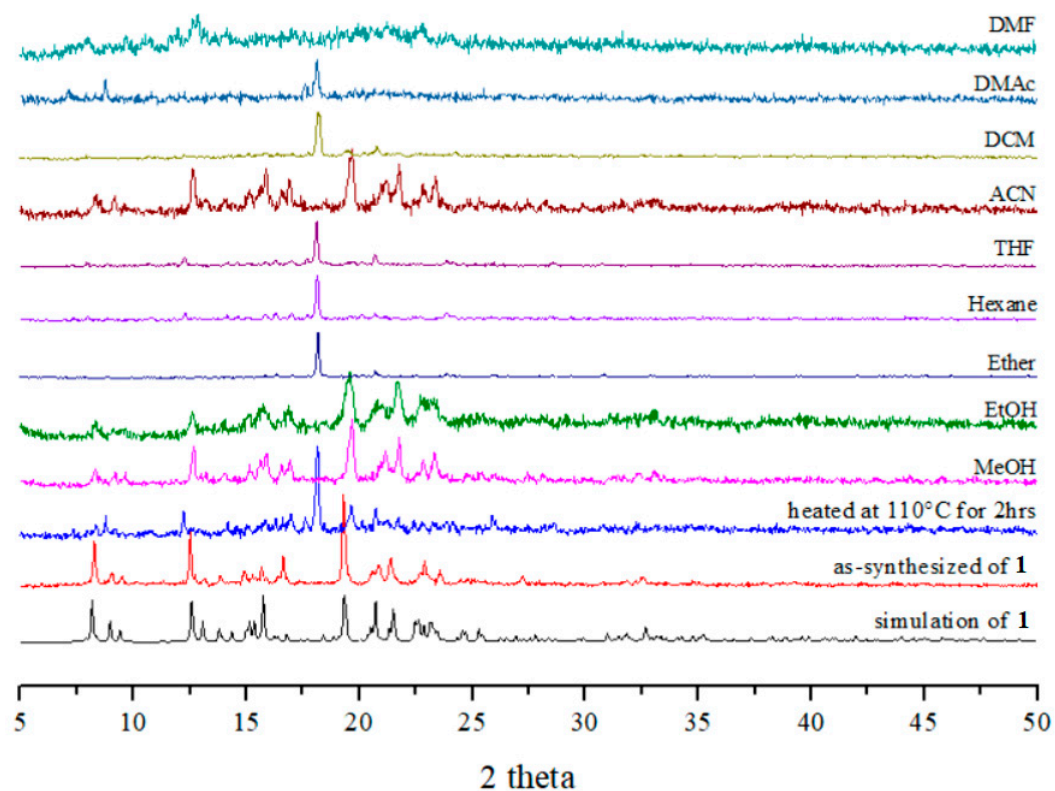


Figure S15. PXRD patterns of complex **2** heated at 130 °C for 2 hours and then immersed in a variety of organic solvents.

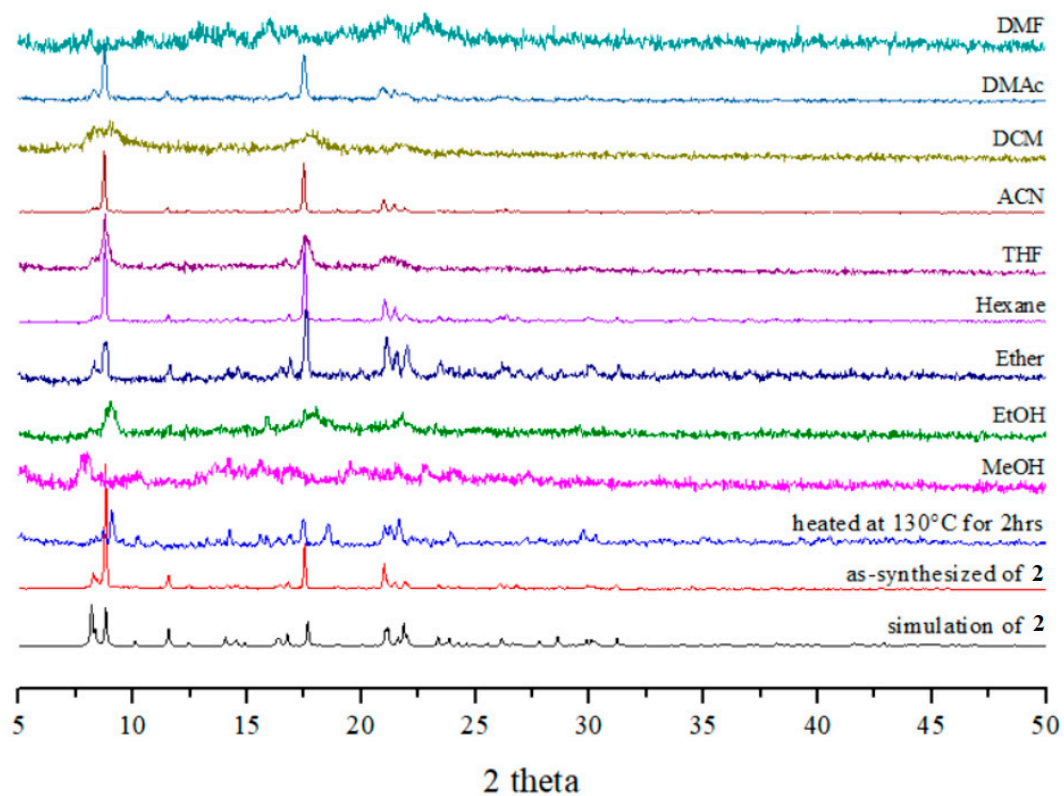


Figure S16. PXRD patterns of complex **3** heated at 170 °C for 2 hours and then immersed in a variety of organic solvents.

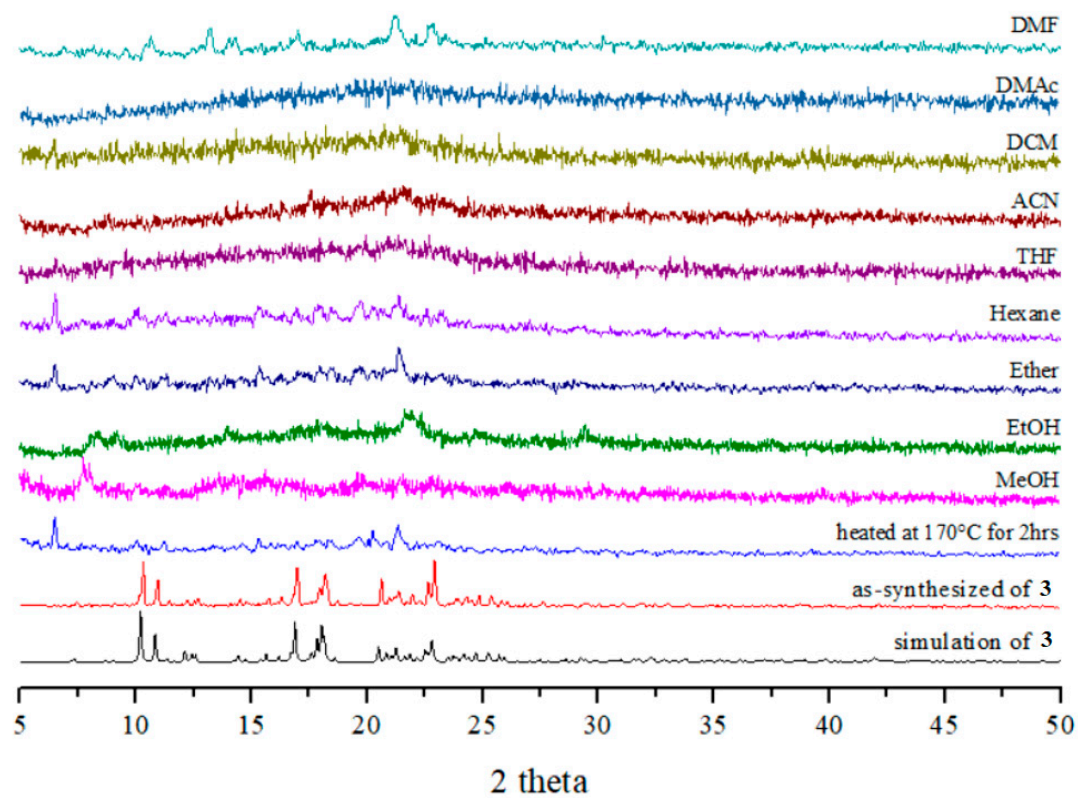


Figure S17. PXRD patterns of complex **4** heated at 130 °C for 2 hours and then immersed in a variety of organic solvents.

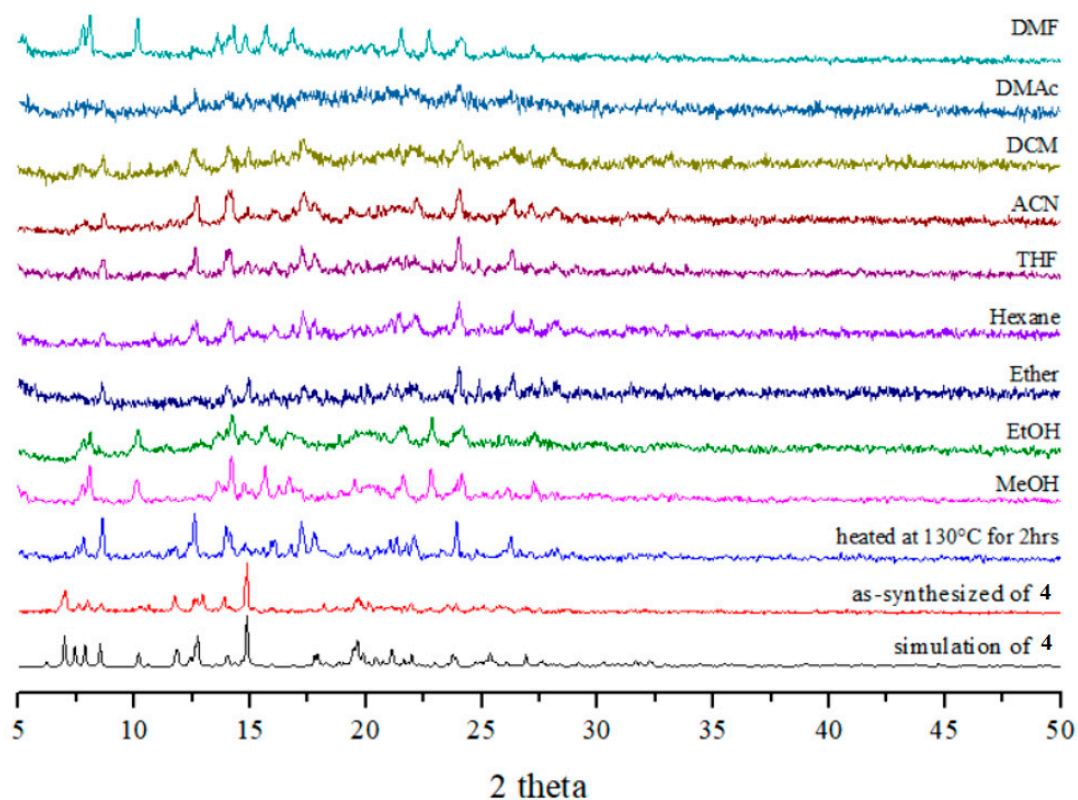


Figure S18. IR spectra for the structural transformations of **1** to **4** in water.

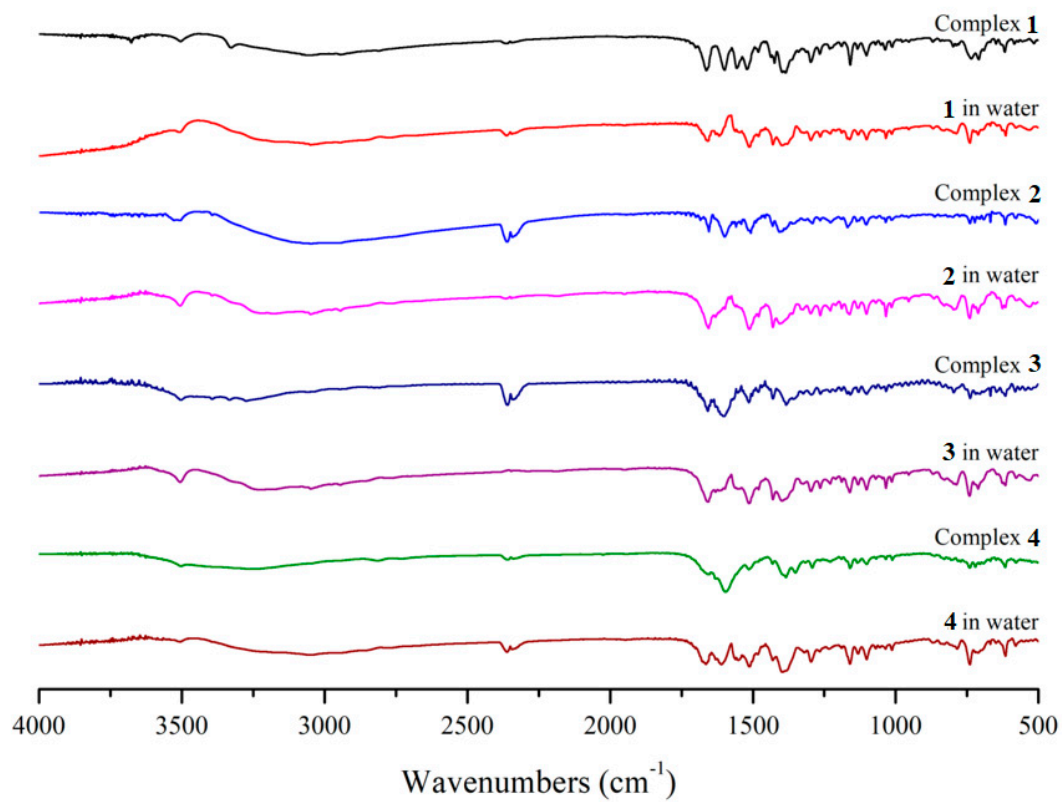


Figure S19. Infrared spectrum of complex **1**.

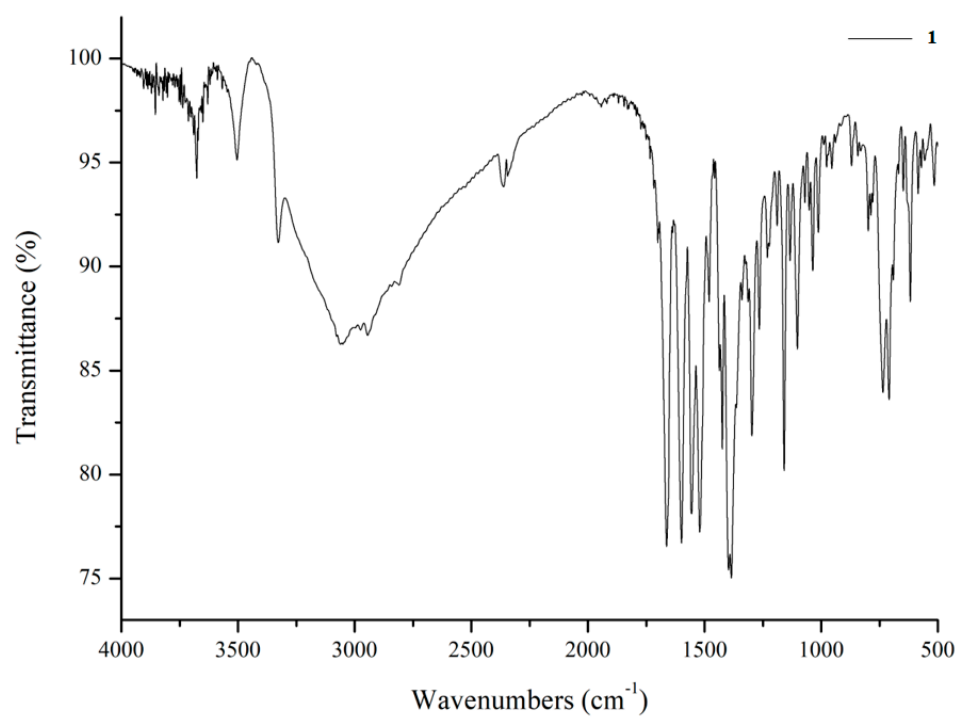


Figure S20. Infrared spectrum of complex **2**.

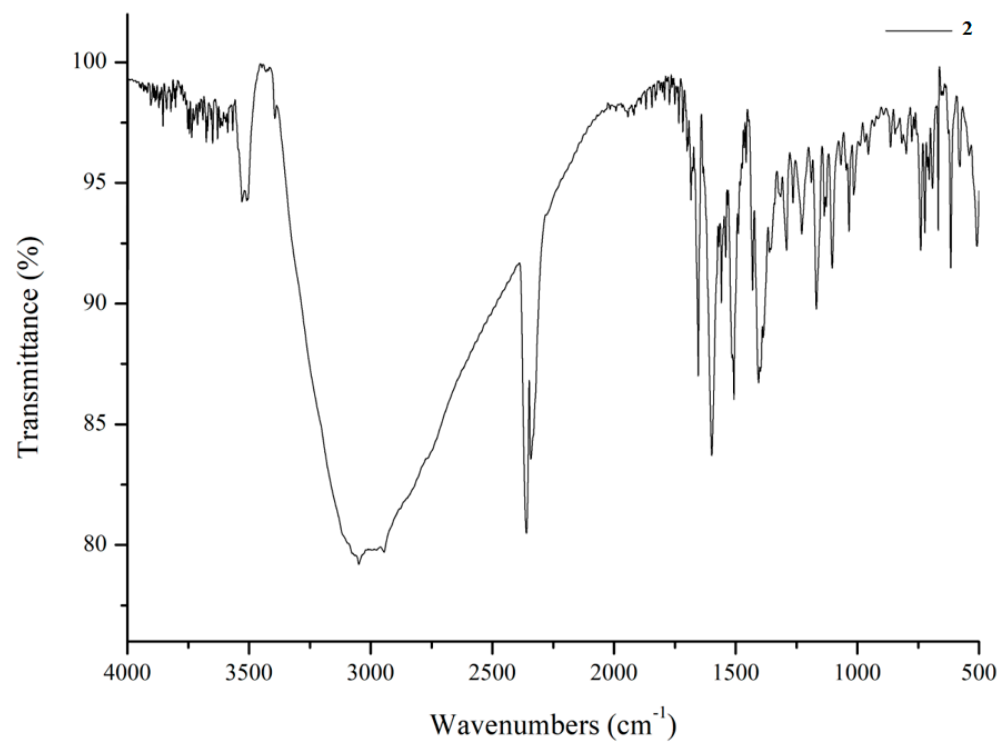


Figure S21. Infrared spectrum of complex **3**.

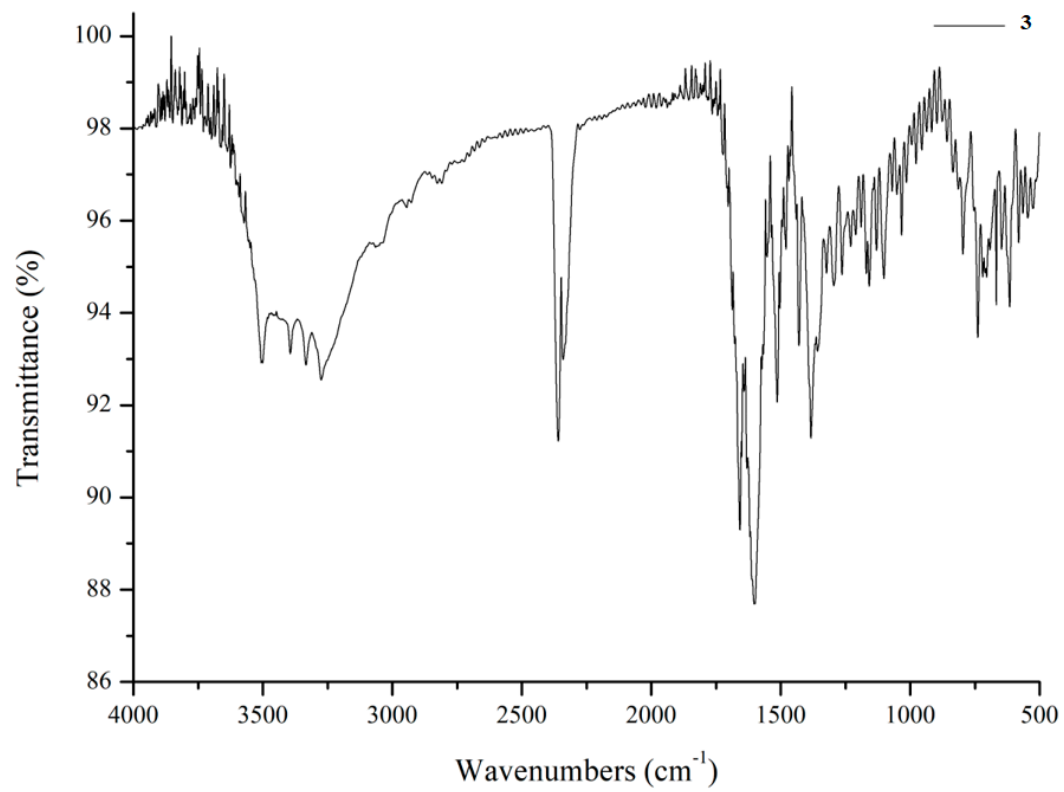


Figure S22. Infrared spectrum of complex **4**.

