

Supporting Information

***Cis-Trans* Isomerism in Diphenoxido Bridged Dicopper Complexes: Role of Crystallized Water to Stabilize the *Cis* Isomer, Variation in Magnetic Properties and Conversion of Both into a Trinuclear Species**

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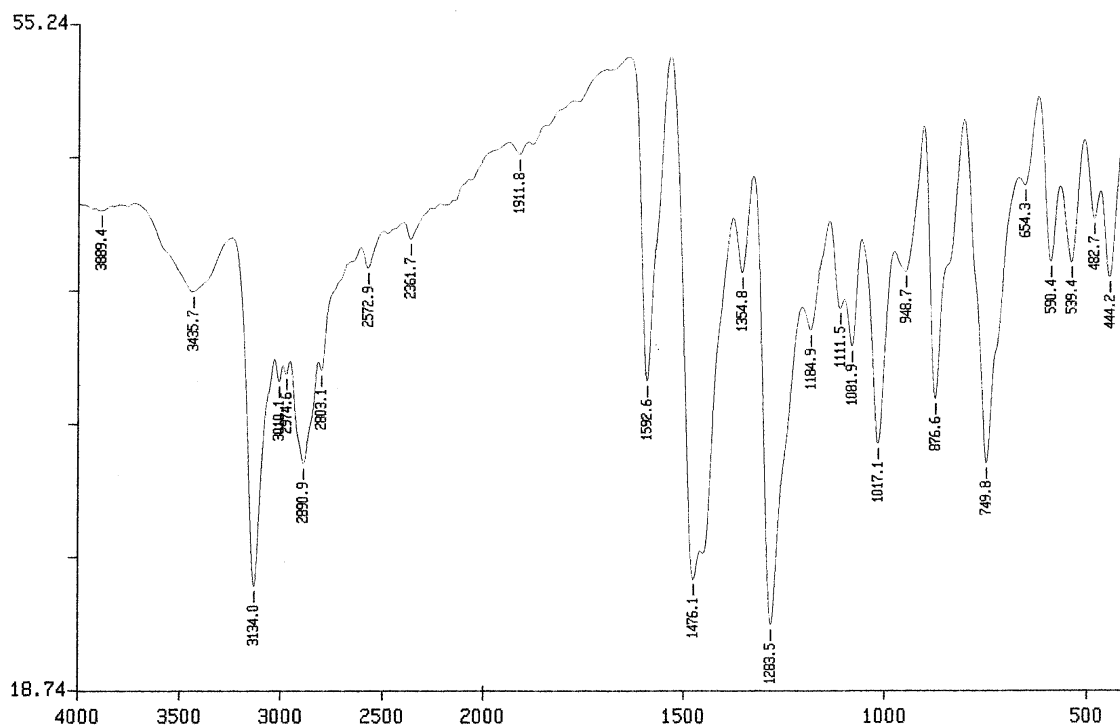


Fig. S1 IR spectra of compound 1.

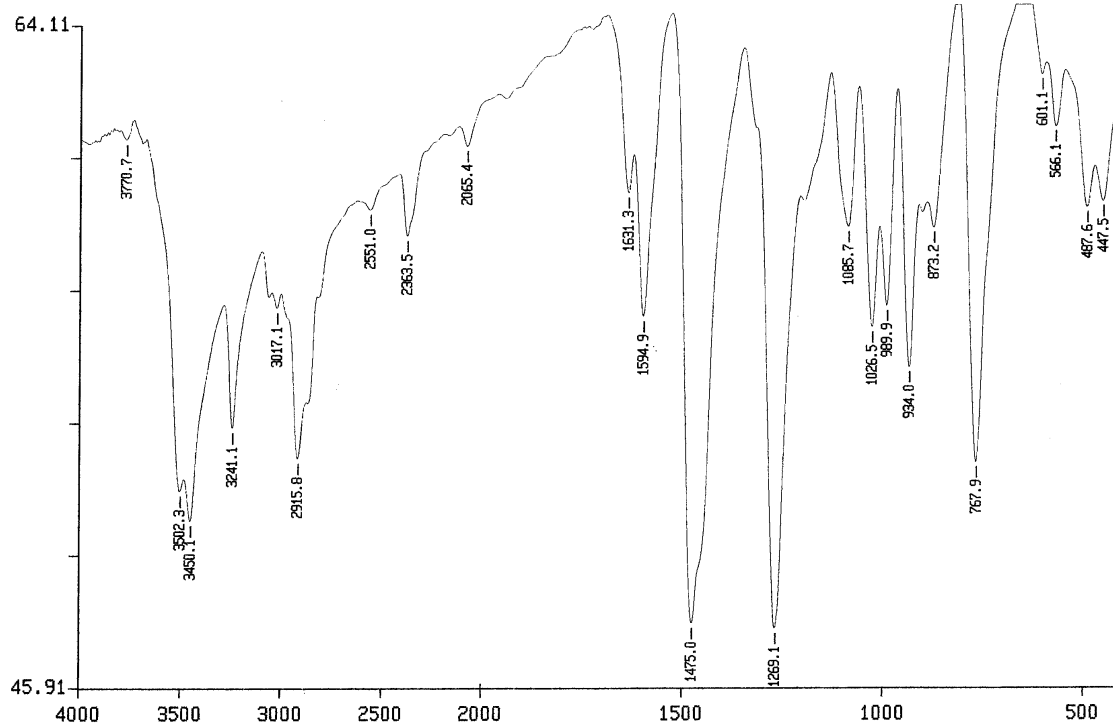


Fig. S2 IR spectra of compound 2.

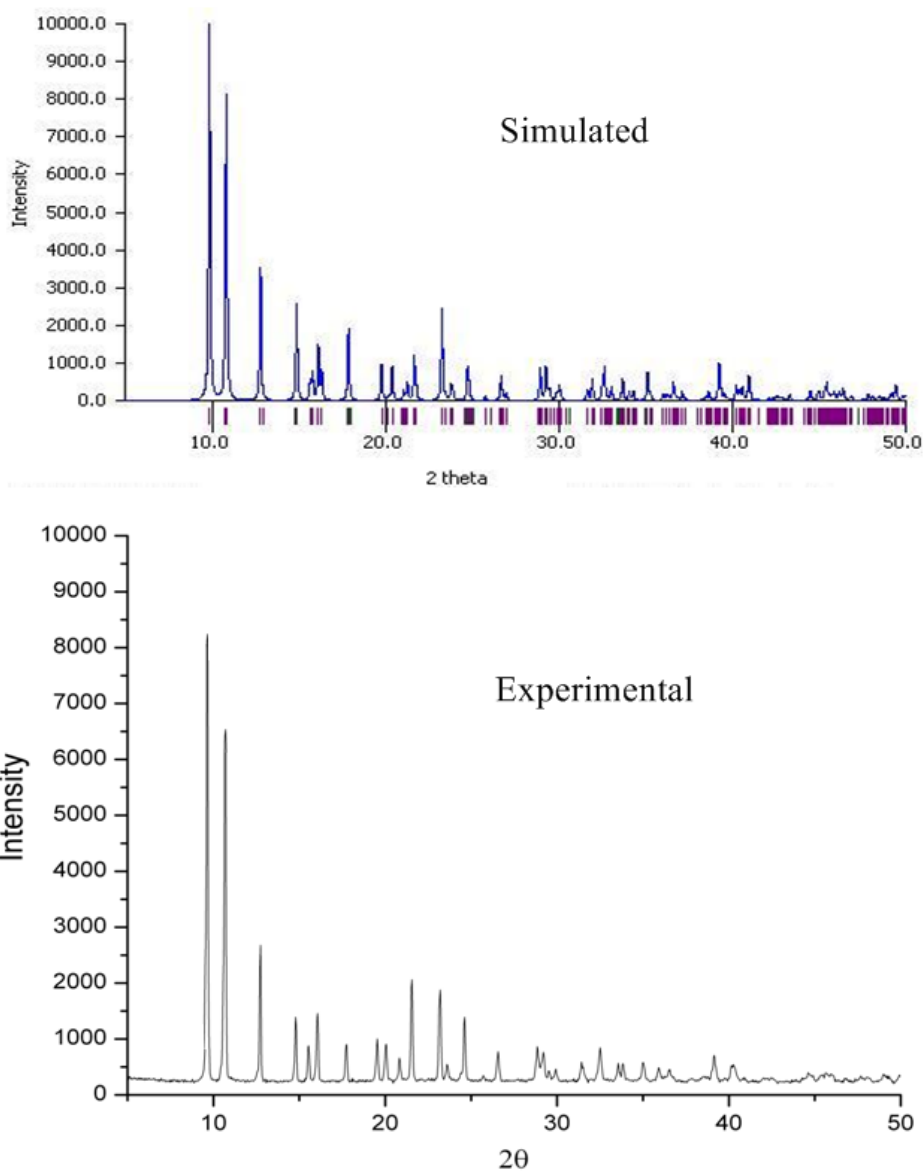


Fig. S3 Simulated and experimental powder XRD data plot of compound **1**.

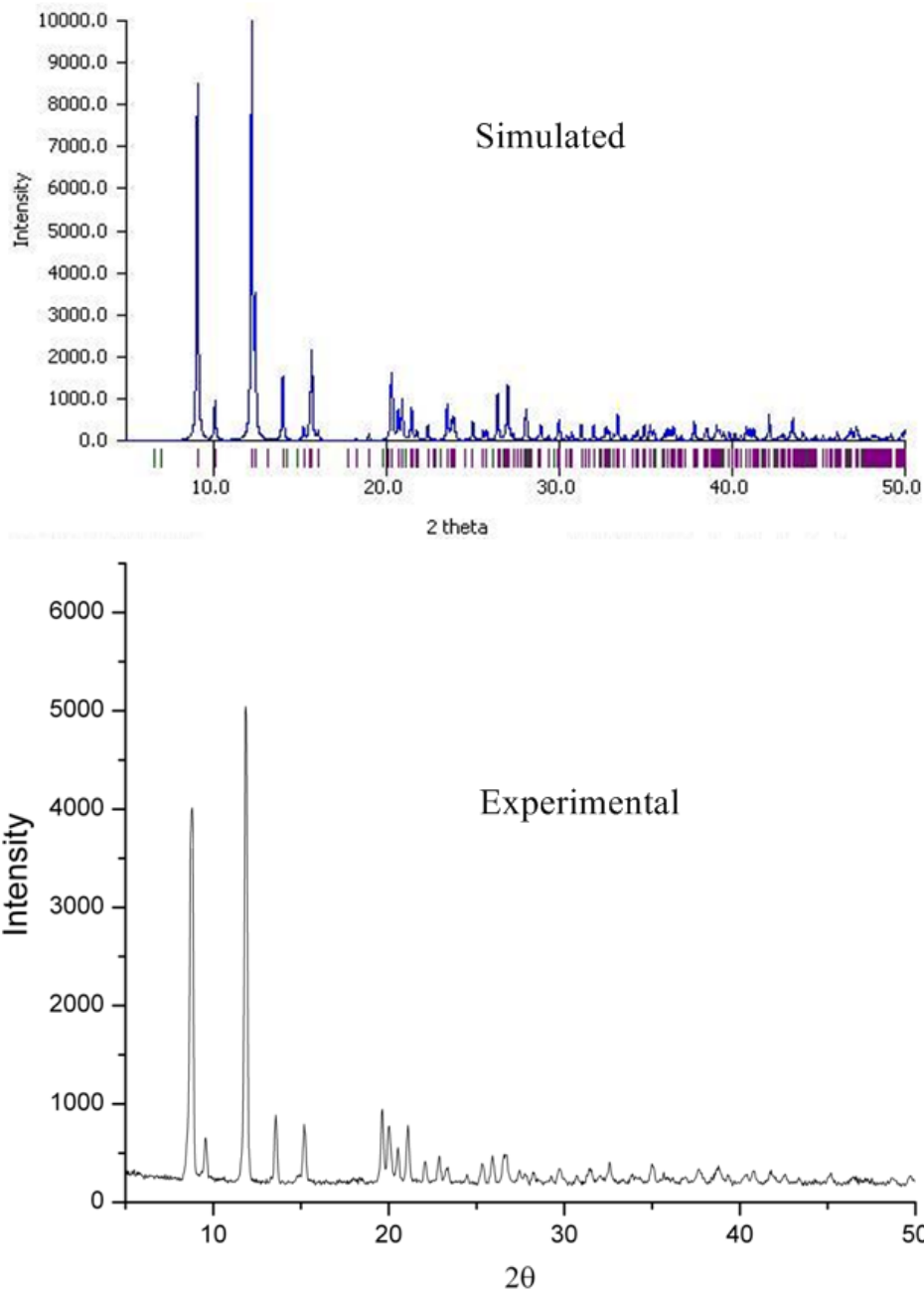


Fig. S4 Simulated and experimental powder XRD data plot of compound **2**.

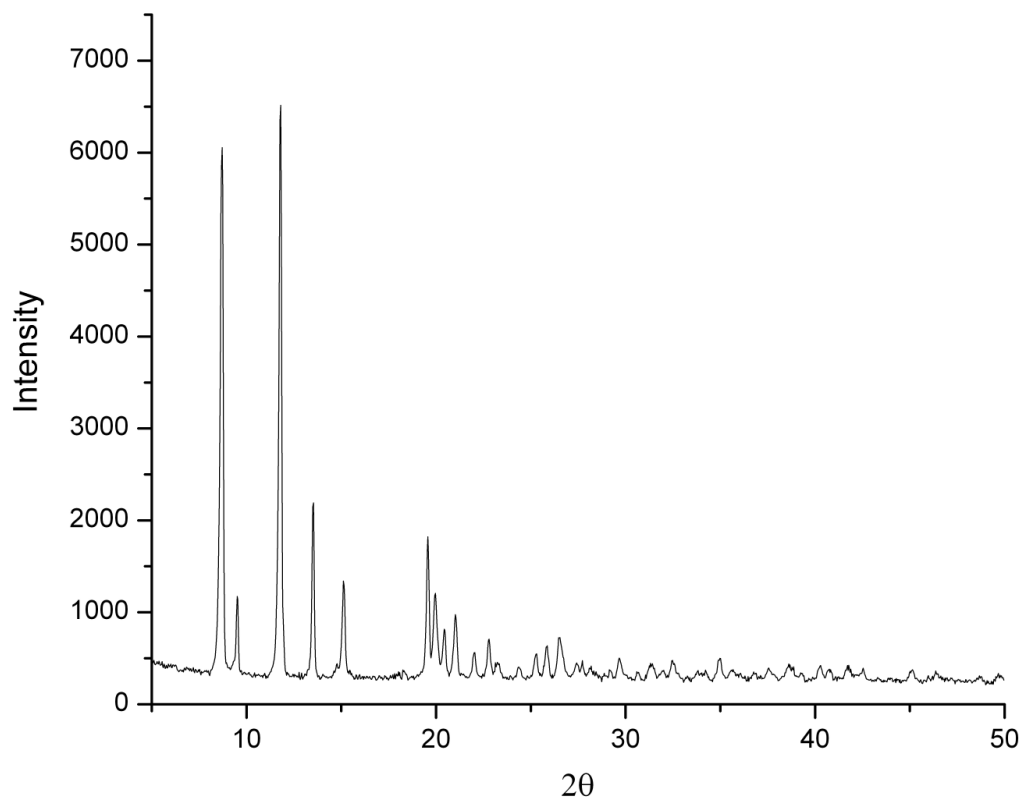


Fig. S5 Experimental powder XRD patterns of the species obtained on keeping compound **1** in humid atmosphere for 15 days. (The data show that compound **1** transformed into compound **2**)

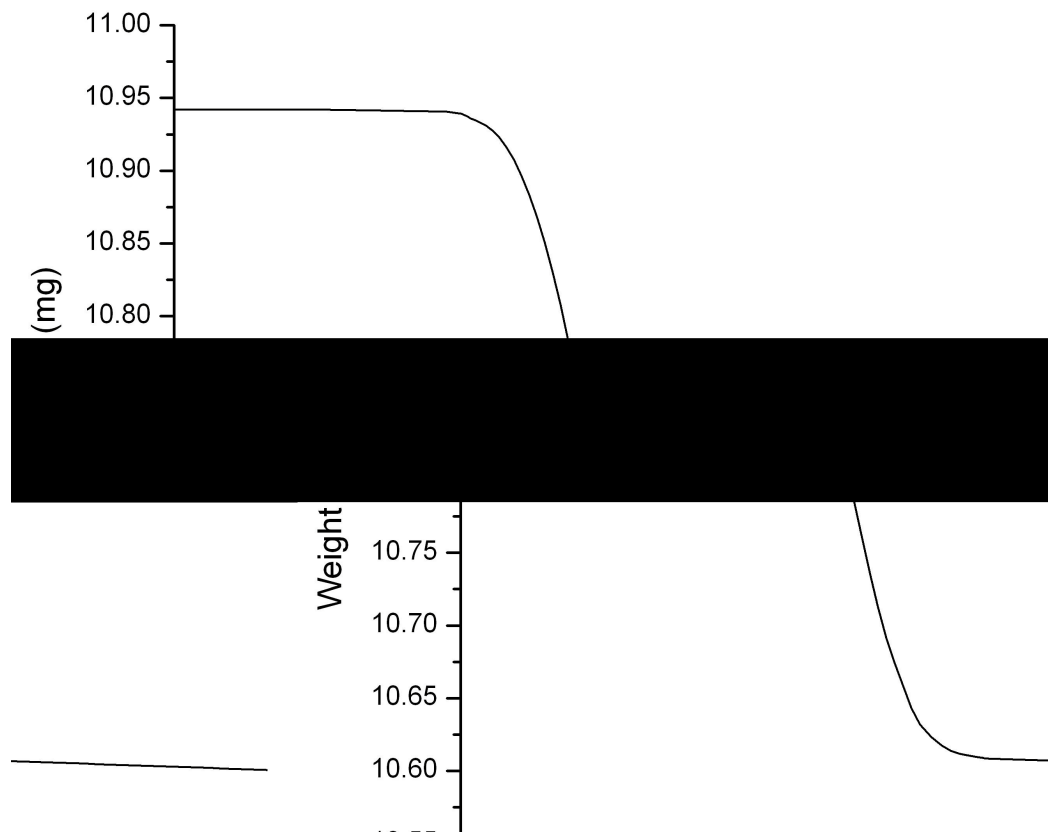


Fig.S6 TG curve of complex 2.

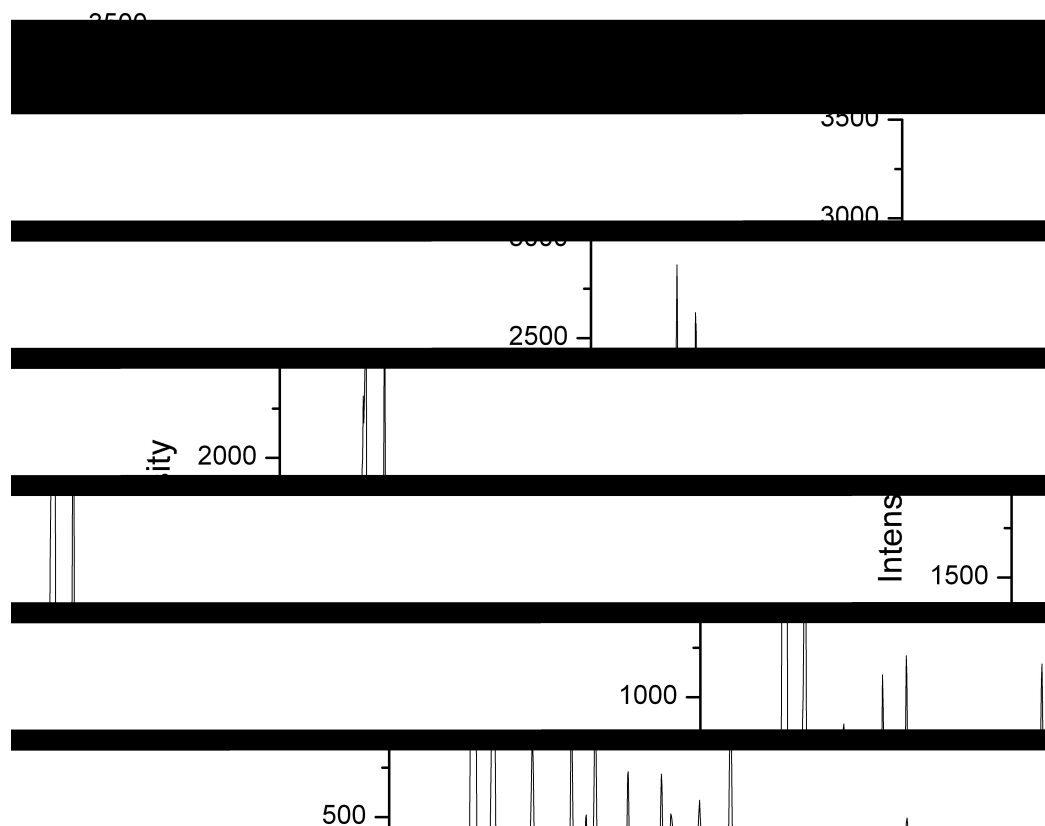


Fig. S7 Experimental powder XRD data plot of the dehydrated species obtained by heating the compound **2** at 120 °C for 30 mins. (The pattern shows transformation of **2** into **1** on dehydration)