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)