

Supporting Information

Synthesis, Structural, Thermal and Biological Studies of Ligand Derived from Anthrone with 4-Aminoantipyrine and its Metallic Complexes

Weaam A.M. Al-Shammari*, Sajid M. Lateef

Department of Chemistry, College of Education for Pure Science (Ibn Al-Haitham), University of Baghdad, Baghdad, Iraq

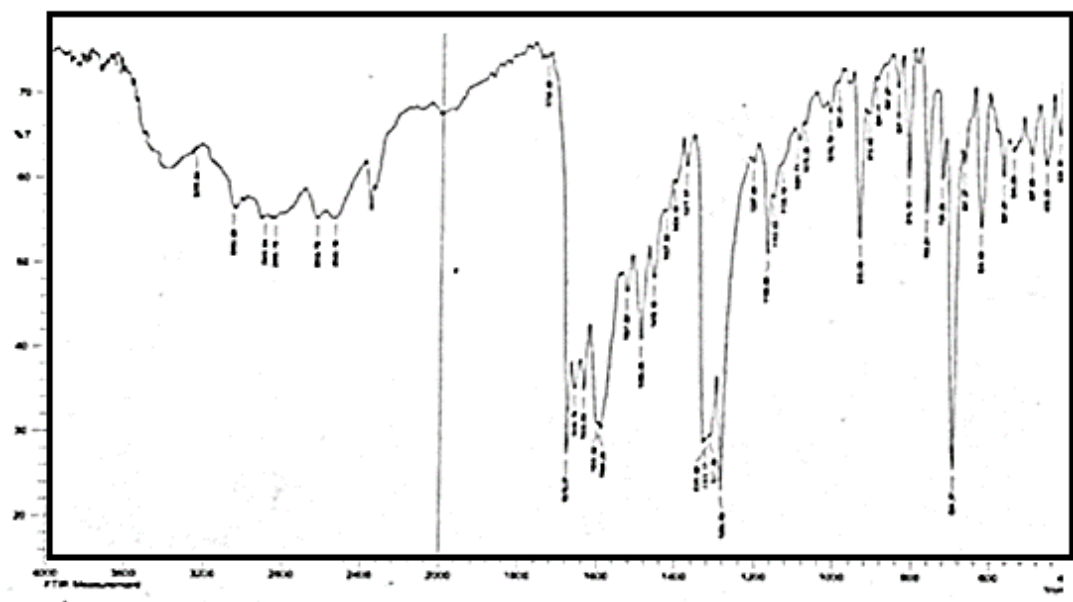


Figure S1: FT-IR spectrum of ligand (L2)

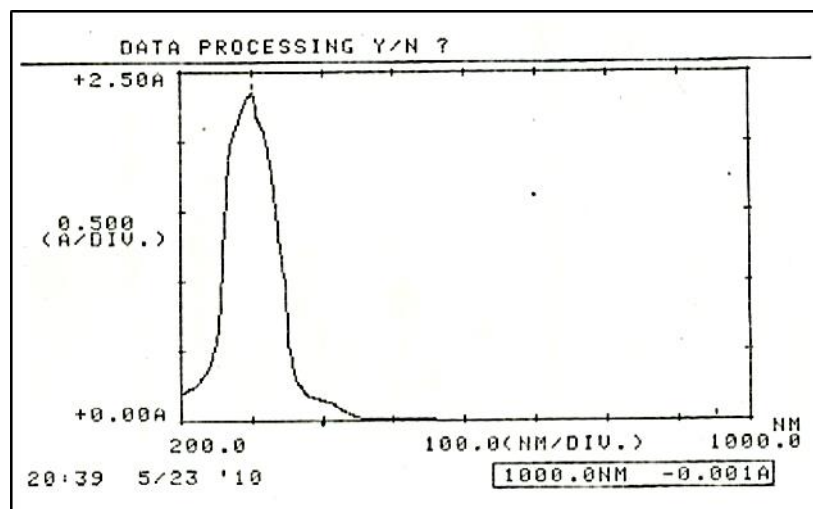


Figure S2: Electronic spectrum of ligand (L2) in $1 \times 10^{-3} \text{M}$

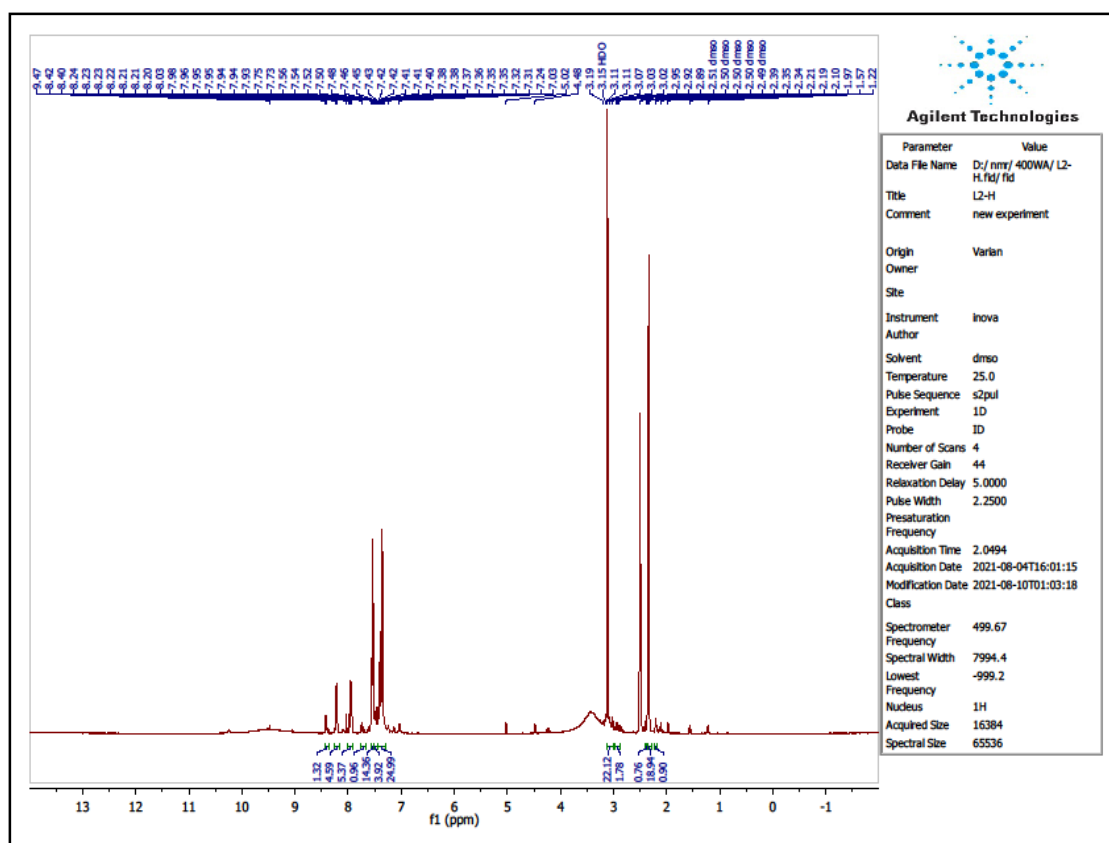


Figure S3: ¹H-NMR spectrum of Schiff base ligand L2 in DMSO-d₆

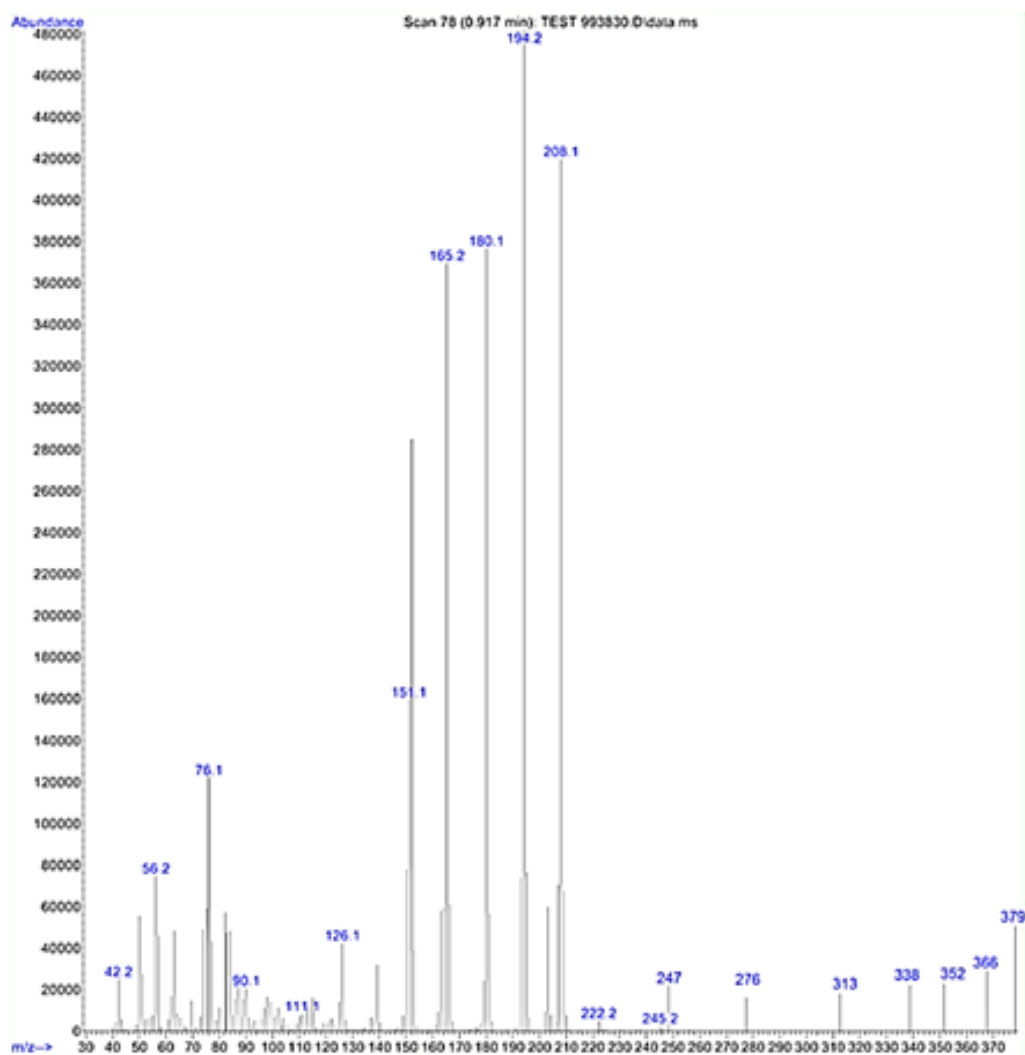


Figure S5: The mass spectrum of (L2)

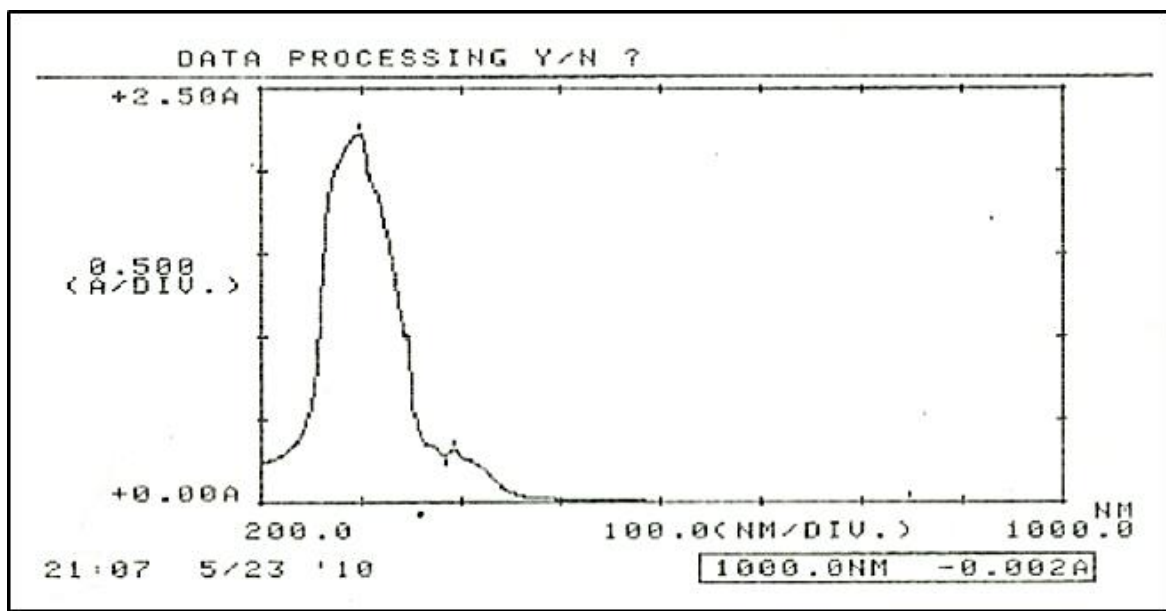


Figure S6: Reusability of IRMOF-3-SI-Pd_{NPs} for Suzuki reaction

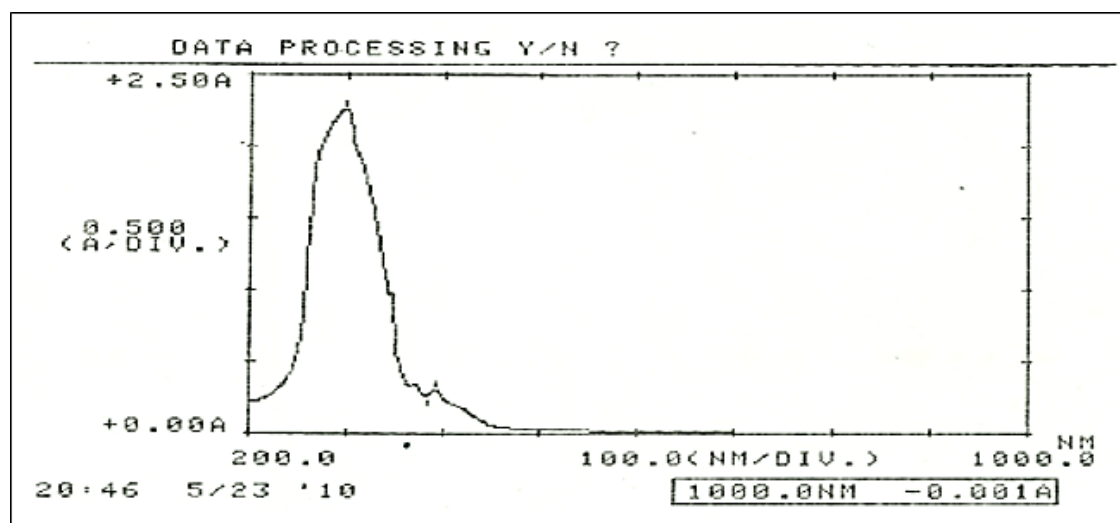


Figure S7: Electronic spectrum of [Co(L²)₂(H₂O)₂]Cl₂ in 1×10^{-3}

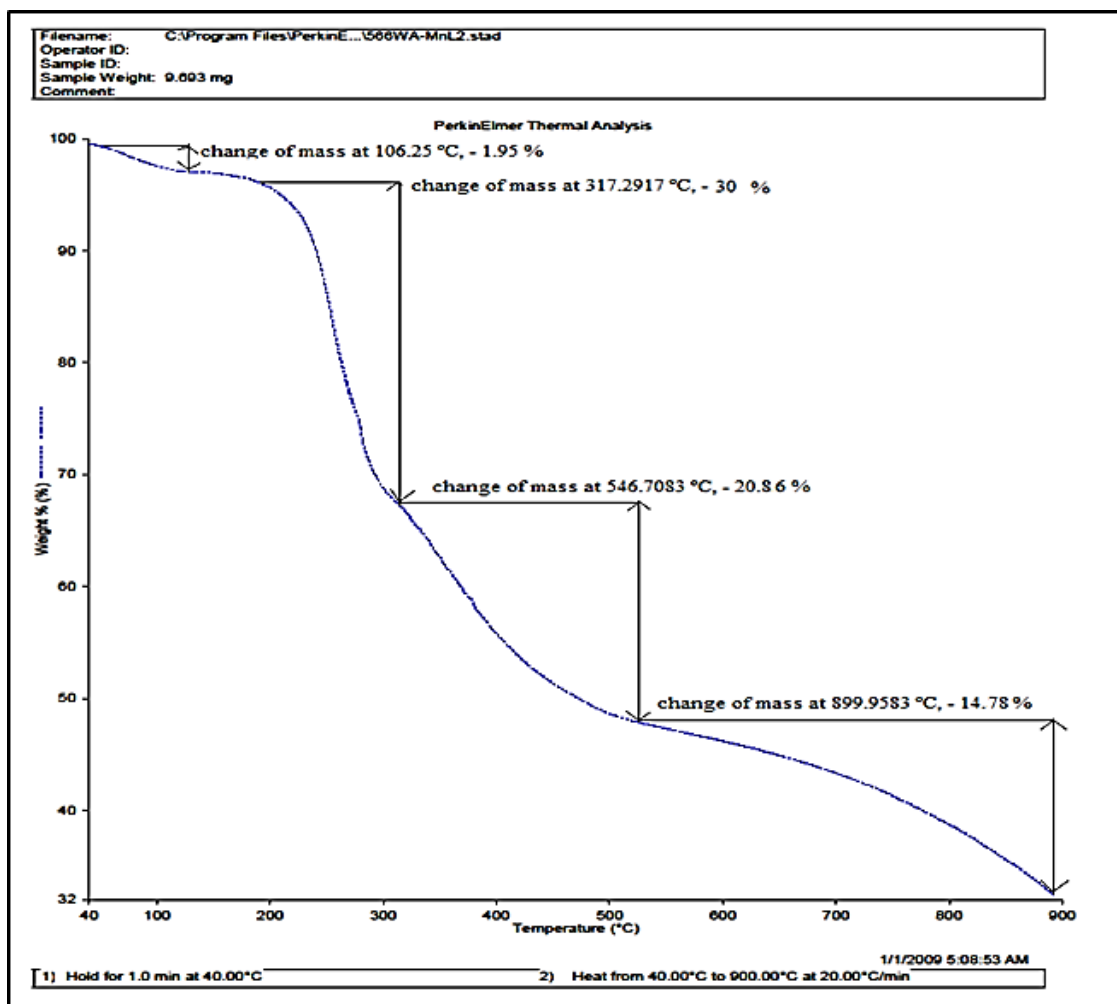


Figure S8: Thermal Analysis of $[\text{Mn}(\text{L}2)_2 (\text{H}_2\text{O})_2]\text{Cl}_2$

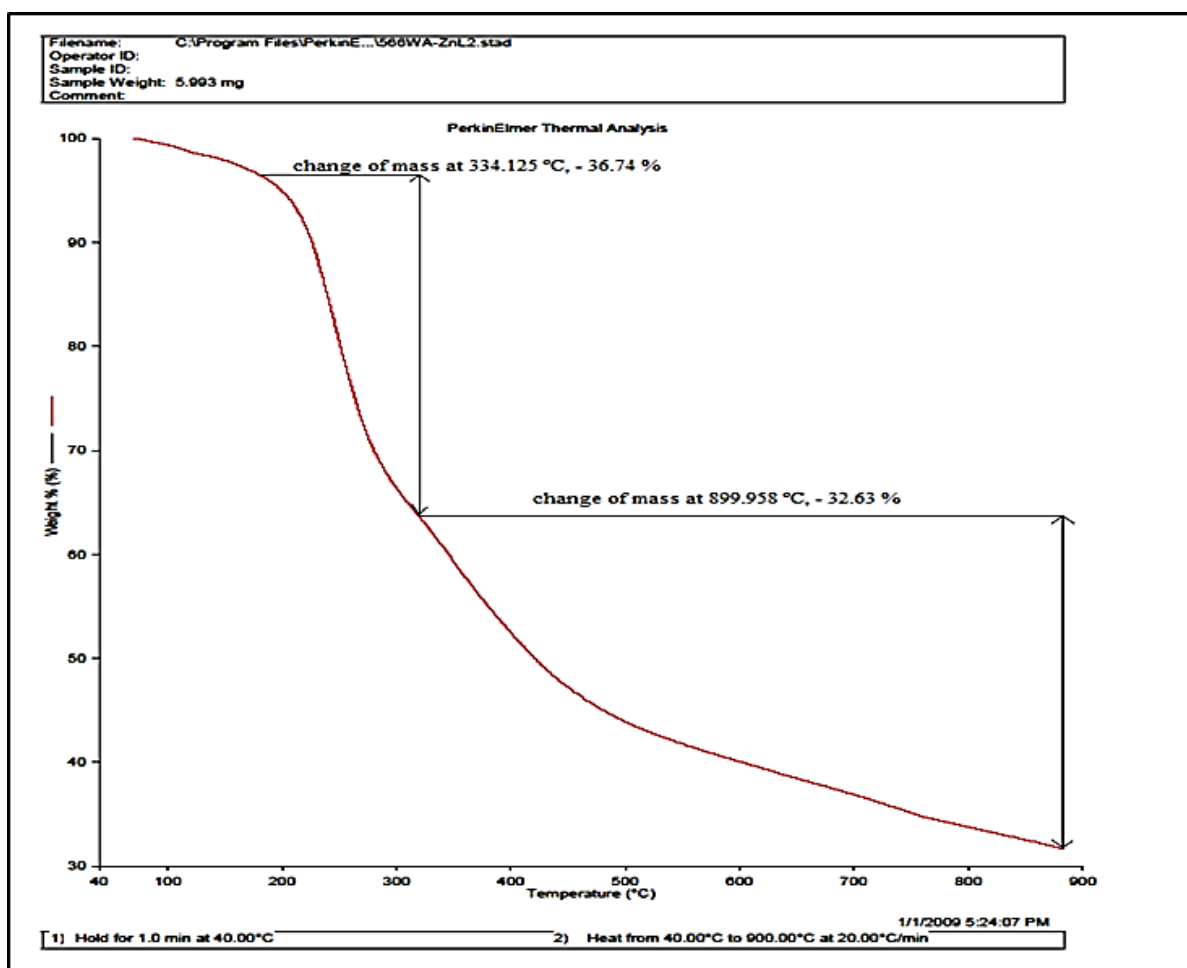


Figure S9: Thermal Analysis of $[\text{Zn}(\text{L}2) (\text{H}_2\text{O})(\text{Cl})]\text{Cl}$