

## Supporting Information

### Structural, Characterization, and Biological Activity of Novel Schiff Base Ligand Derived from Pyridoxal with 2-Aminobenzothiazol and Its Complexes

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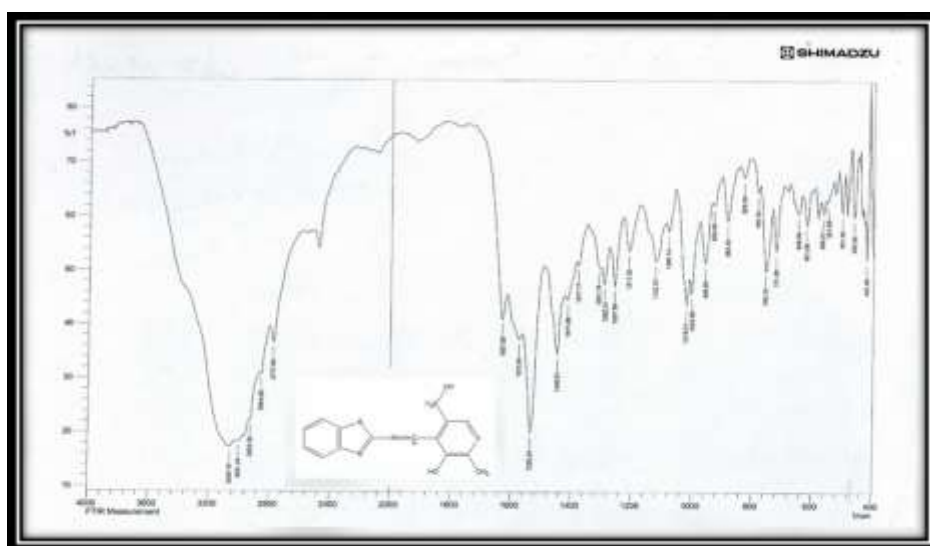


Figure S1: IR spectrum of the HL<sup>1</sup>

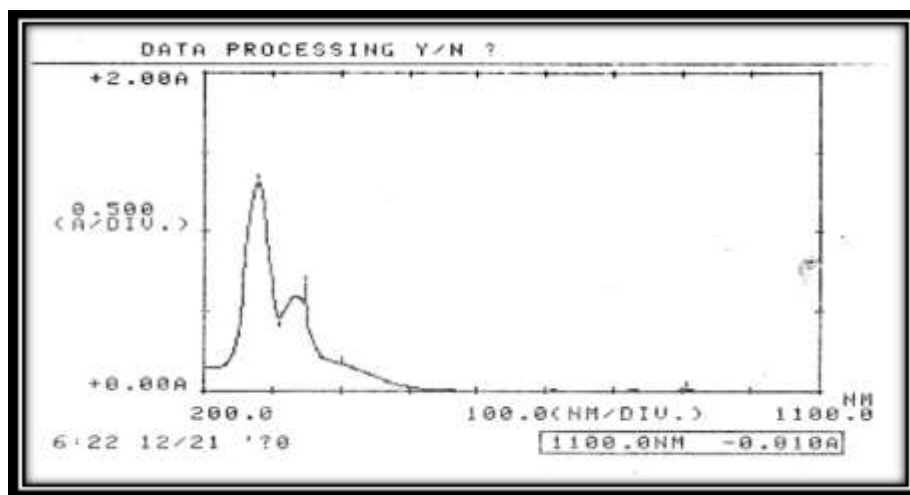
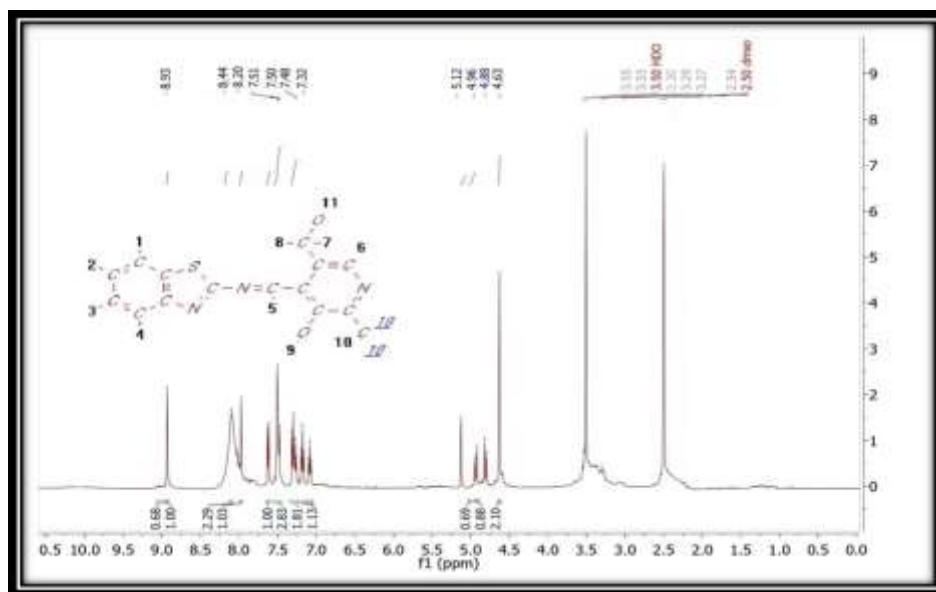
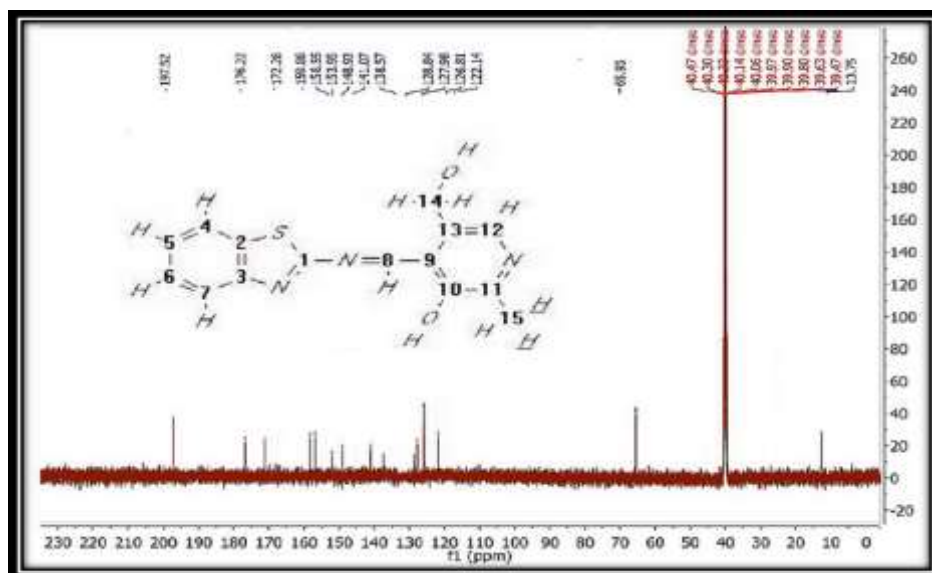


Figure S2: Electronic spectrum of ligand [HL<sup>1</sup>], in 10<sup>-3</sup>M



**Figure S3:**  $^1\text{H}$ -NMR spectrum for the ligand  $[\text{HL}^1]$  in  $\text{DMSO-d}_6$



**Figure S4:** The  $^{13}\text{C}$ -NMR spectrum of  $[\text{HL}^1]$  in  $\text{DMSO-d}_6$

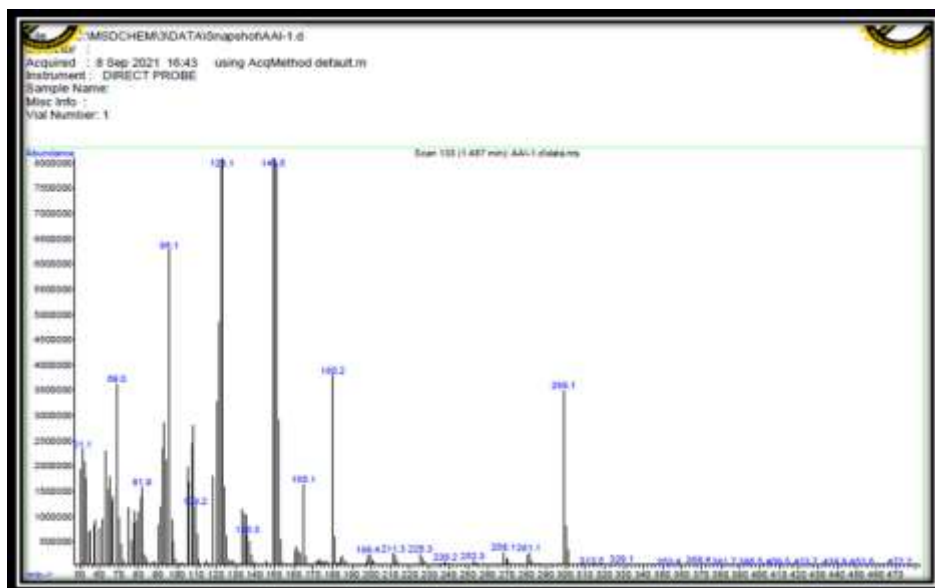


Figure S5: Mass spectrum of [HL<sup>1</sup>]

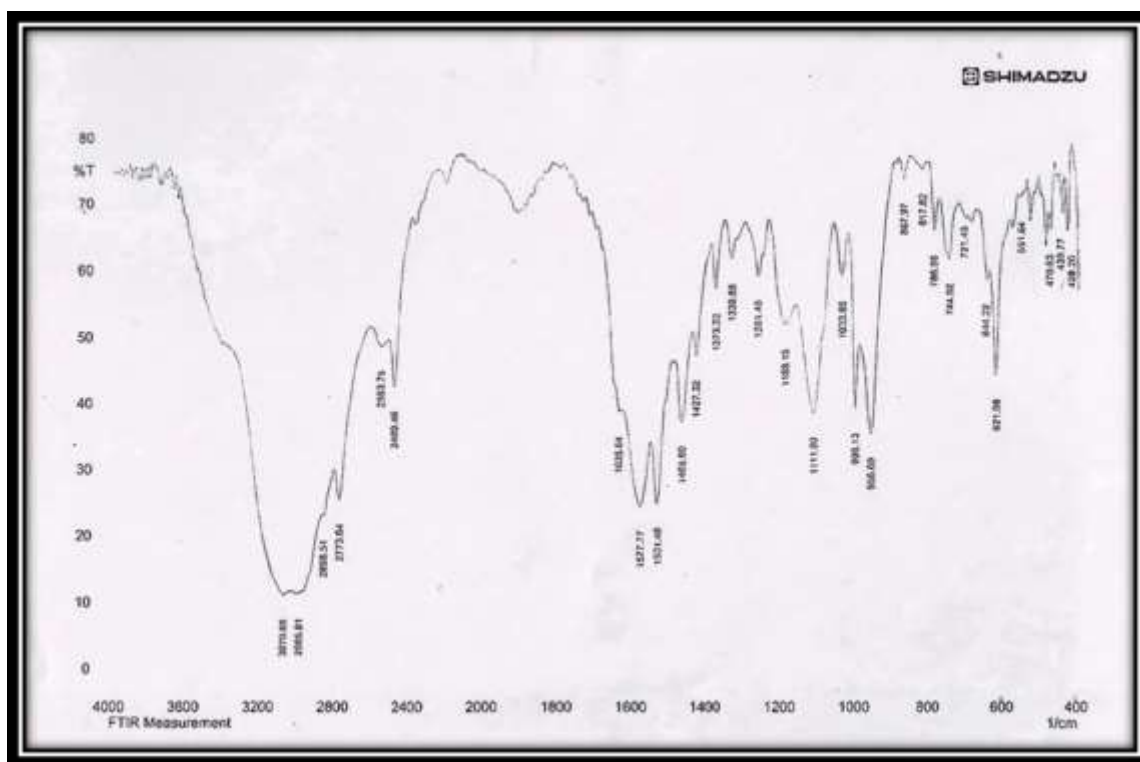


Figure S6: IR spectrum of K<sup>+</sup>[VO(L<sup>1</sup>)(OSO<sub>3</sub>)]·H<sub>2</sub>O (1)

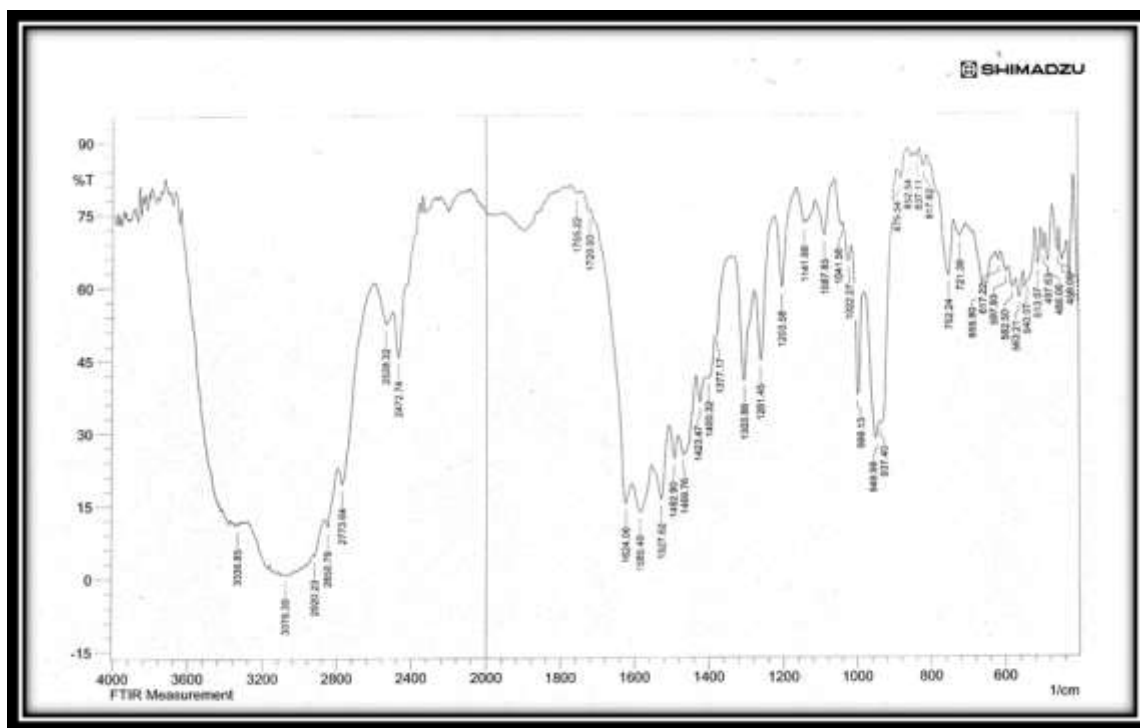


Figure S7: IR spectrum of  $[\text{Mn}(\text{L}^1)_2] \cdot 2\text{H}_2\text{O}$  (2)

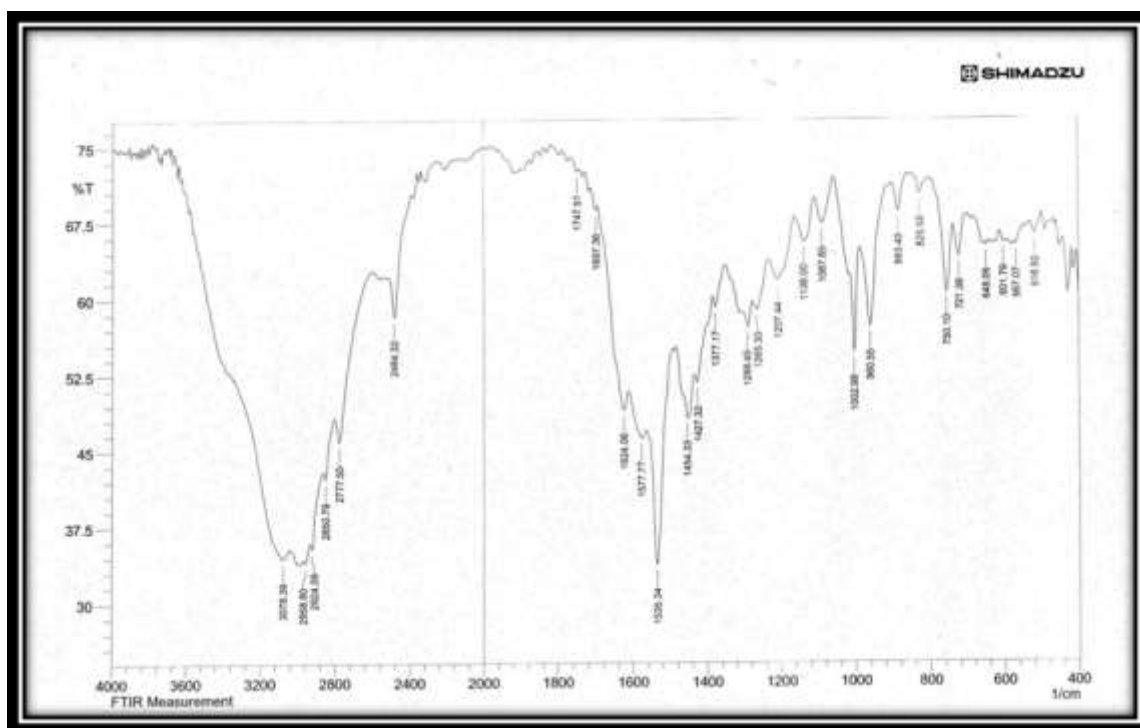


Figure S8: IR spectrum of  $[\text{Fe}(\text{L}^1)_2] \cdot \text{H}_2\text{O}$  (3)

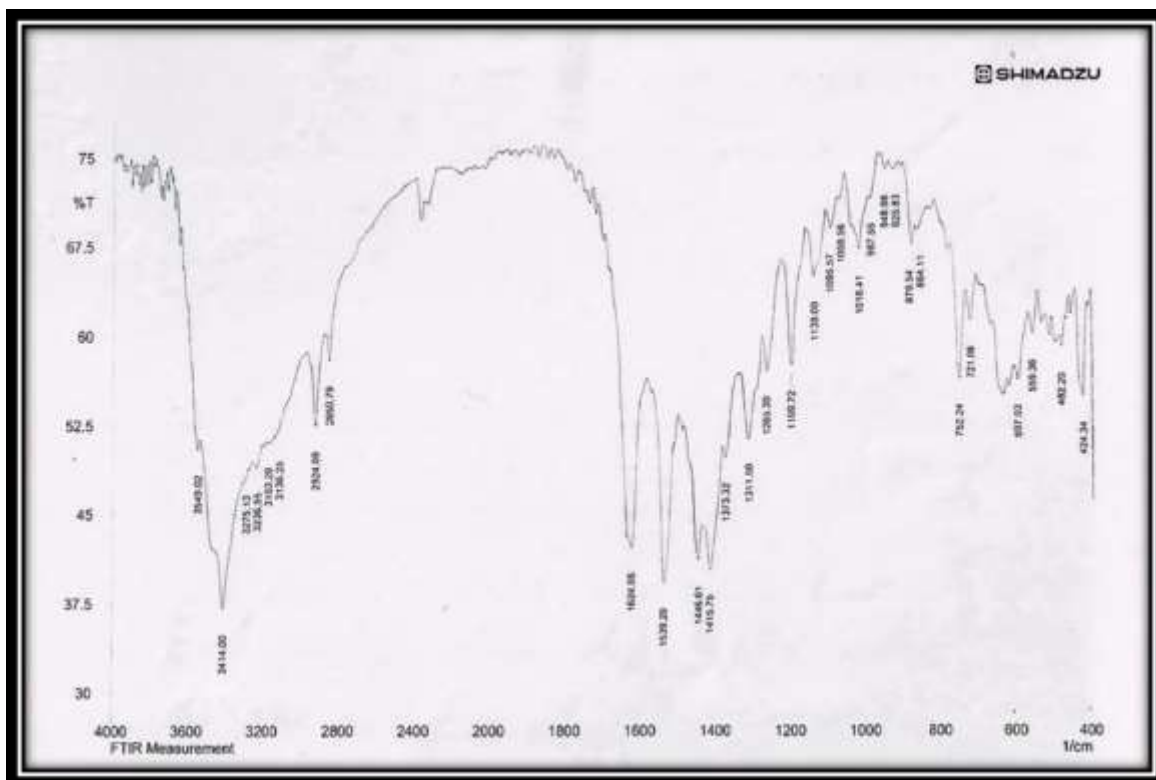


Figure S9: IR spectrum of  $[\text{Co}(\text{L}^1)_2] \cdot \text{H}_2\text{O}$  (4)

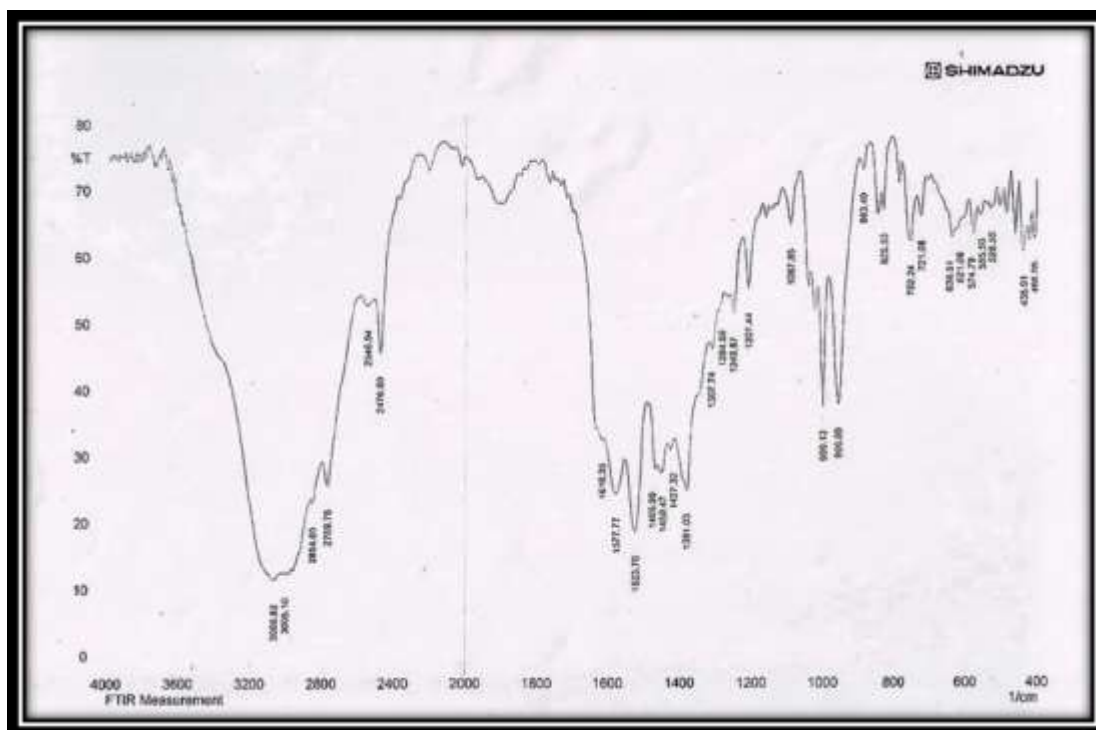


Figure S10: IR spectrum of  $[\text{Ni}(\text{L}^1)_2] \cdot \text{H}_2\text{O}$  (5)



Figure S11: IR spectrum of  $[\text{Cu}(\text{L}^1)_2] \cdot \text{H}_2\text{O}$  (6)

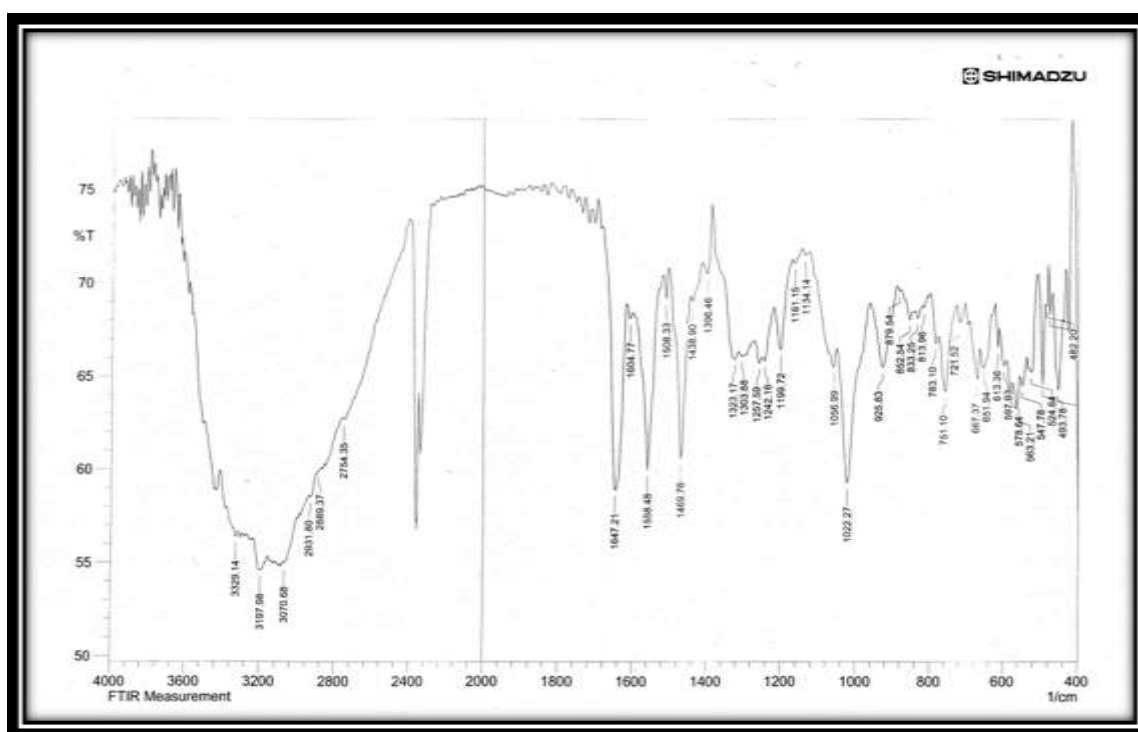


Figure S12: IR spectrum of  $[\text{Pt}(\text{L}^1)_2] \cdot \text{Cl}_2 \cdot \text{H}_2\text{O}$  (7)