



SYNTHESIS, CHARACTERIZATION, EGFR DOCKING, AND ANTICANCER EVALUATION OF ISATIN DIMETHYL MORPHOLINYL THIOSEMICARBAZONE AND ITS COPPER(II) COMPLEX

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SUPPLEMENTARY

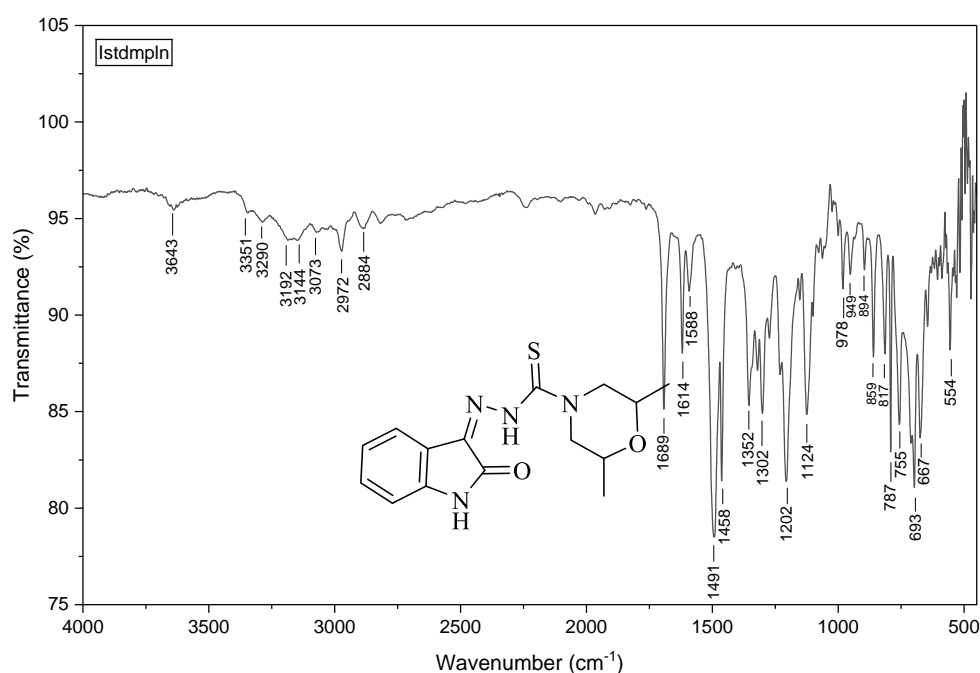


Figure S1: FTIR spectrum of ligand (*Istdmpln*)

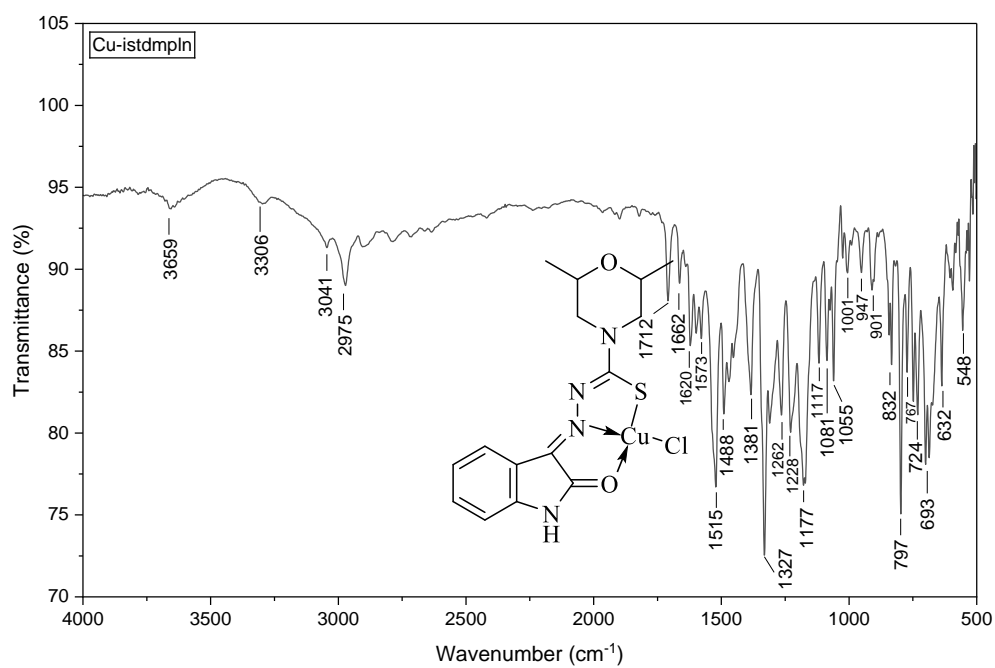


Figure S2: FTIR spectrum of copper (II) complex (*Cu-istdmpIn*).

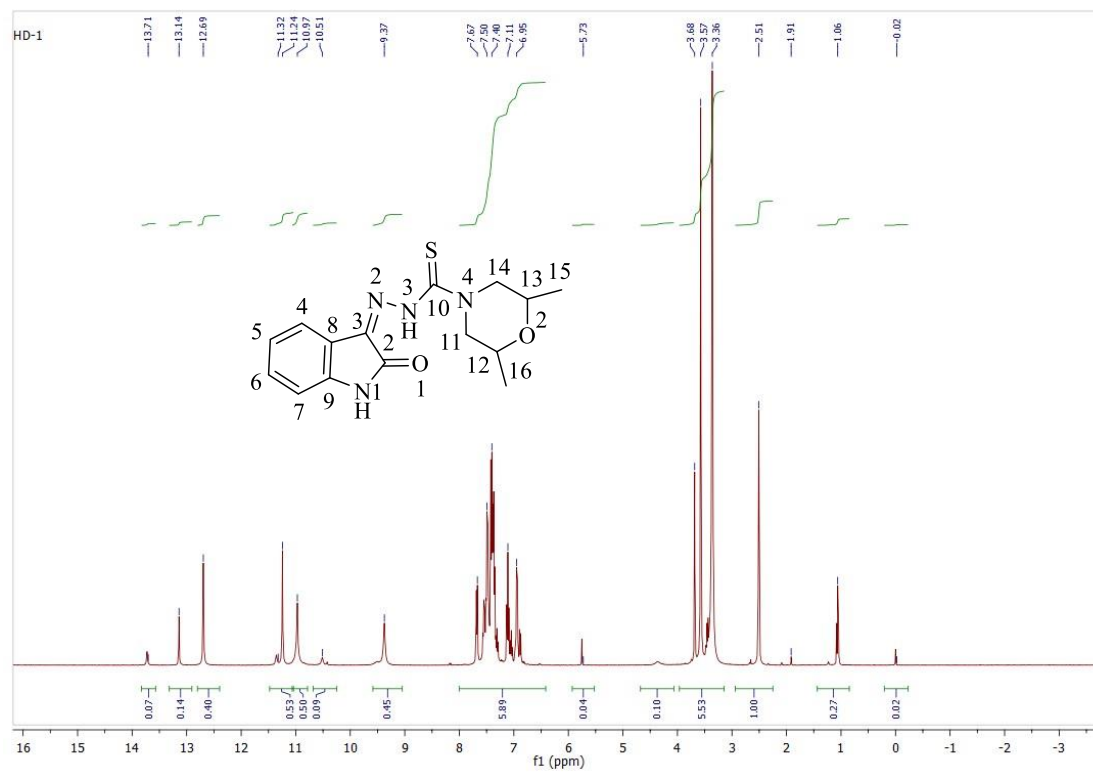


Figure S3: ^1H NMR spectrum (400 MHz, $\text{DMSO-}d_6$) of ligand (*IstdmpIn*)

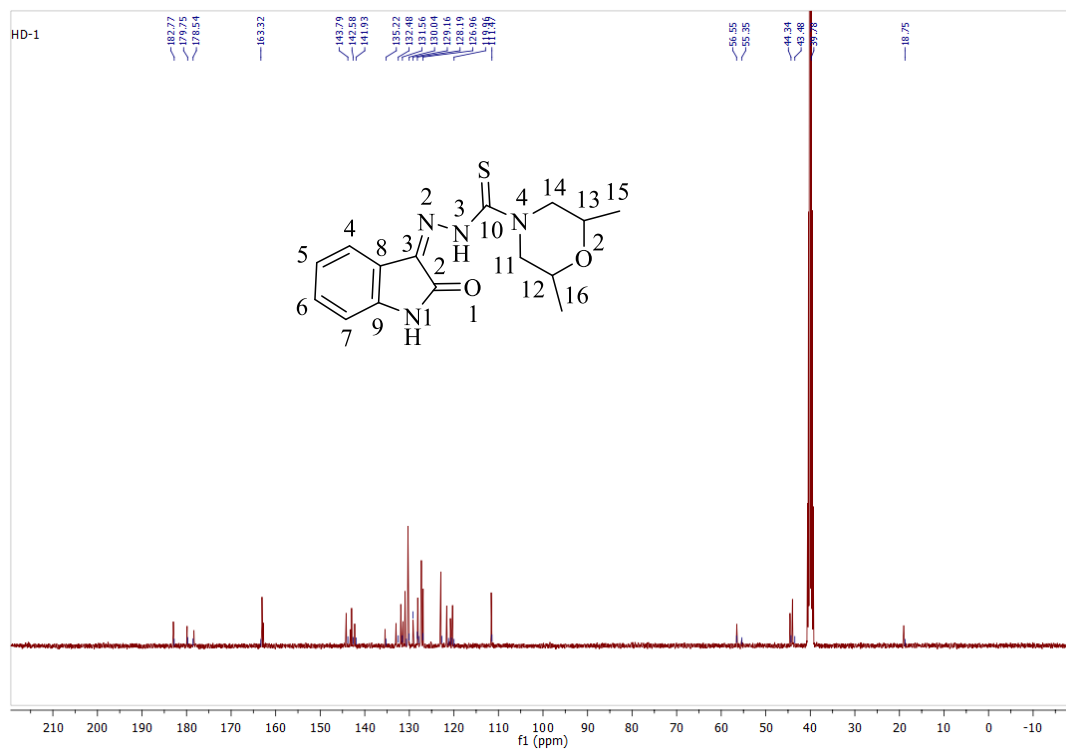


Figure S4: ^{13}C NMR spectrum (400 MHz, $\text{DMSO-}d_6$) of ligand (*Istdmpln*)

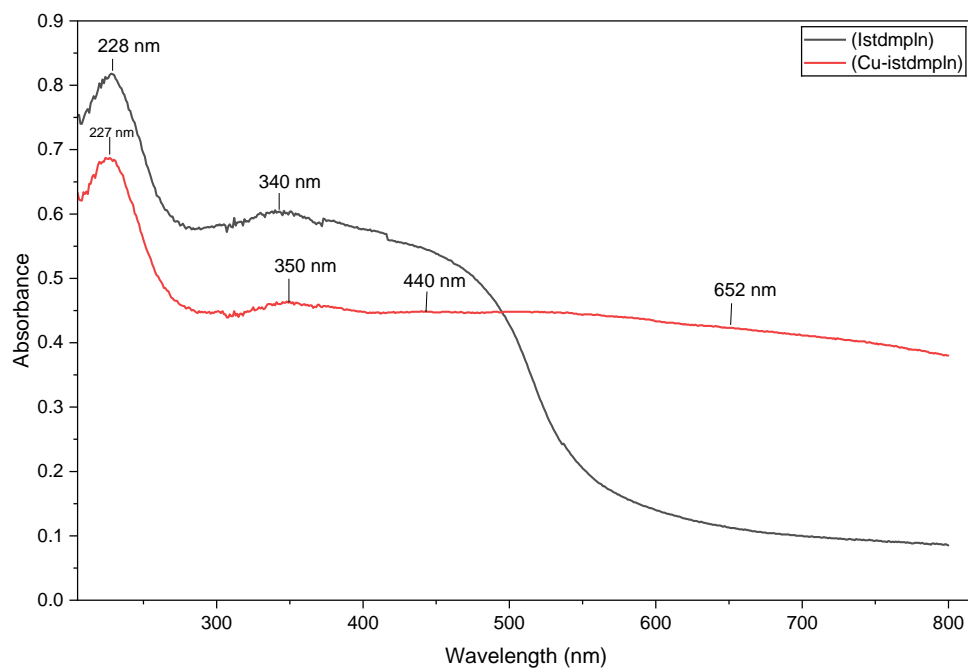


Figure S5: UV-Visible electronic transitions of the compounds (*Istdmpln* and *Cu-istdmpln*)

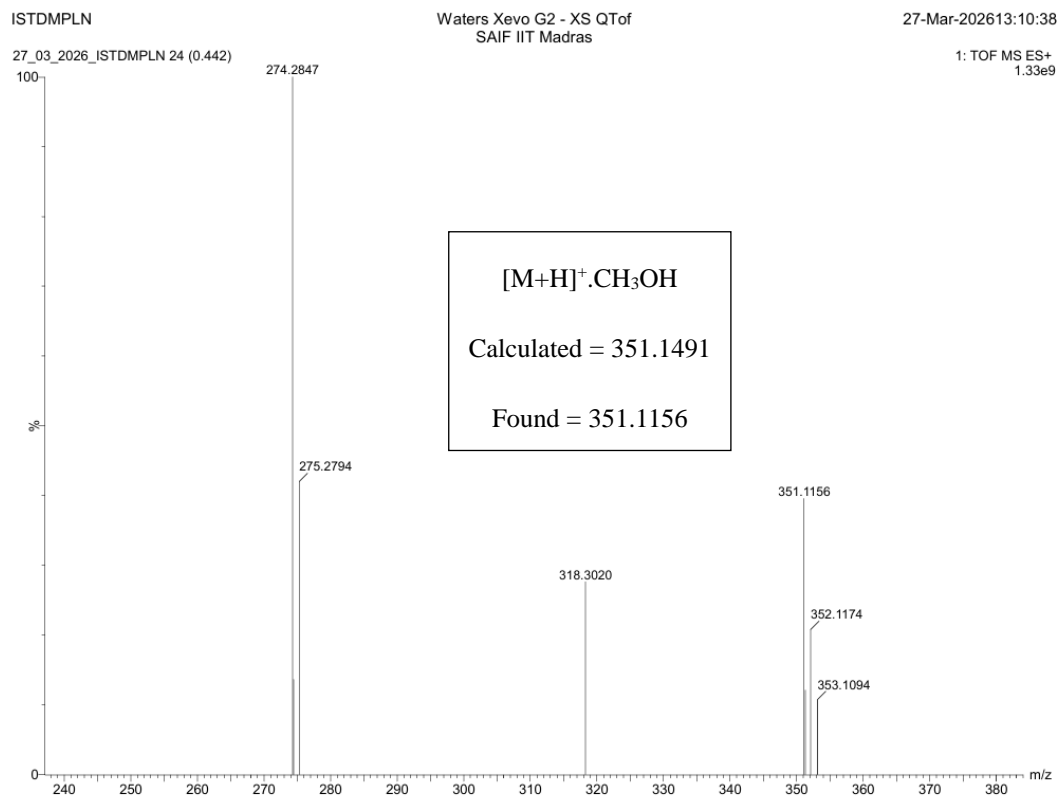


Figure S6: ESI-HRMS spectra of the compound (*Istdmpln*)

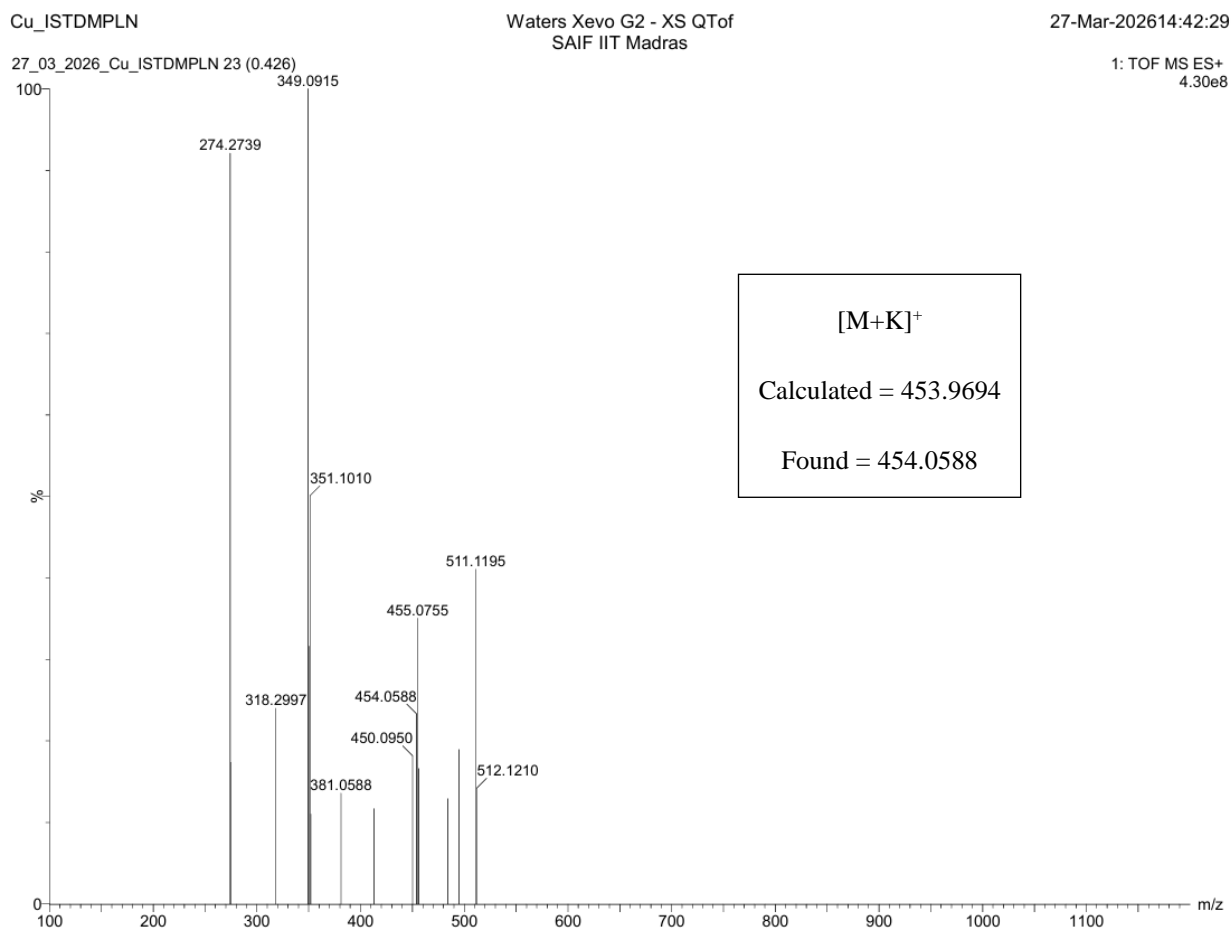


Figure S7: ESI-HRMS spectra of the compound (*Cu-istdmpln*)

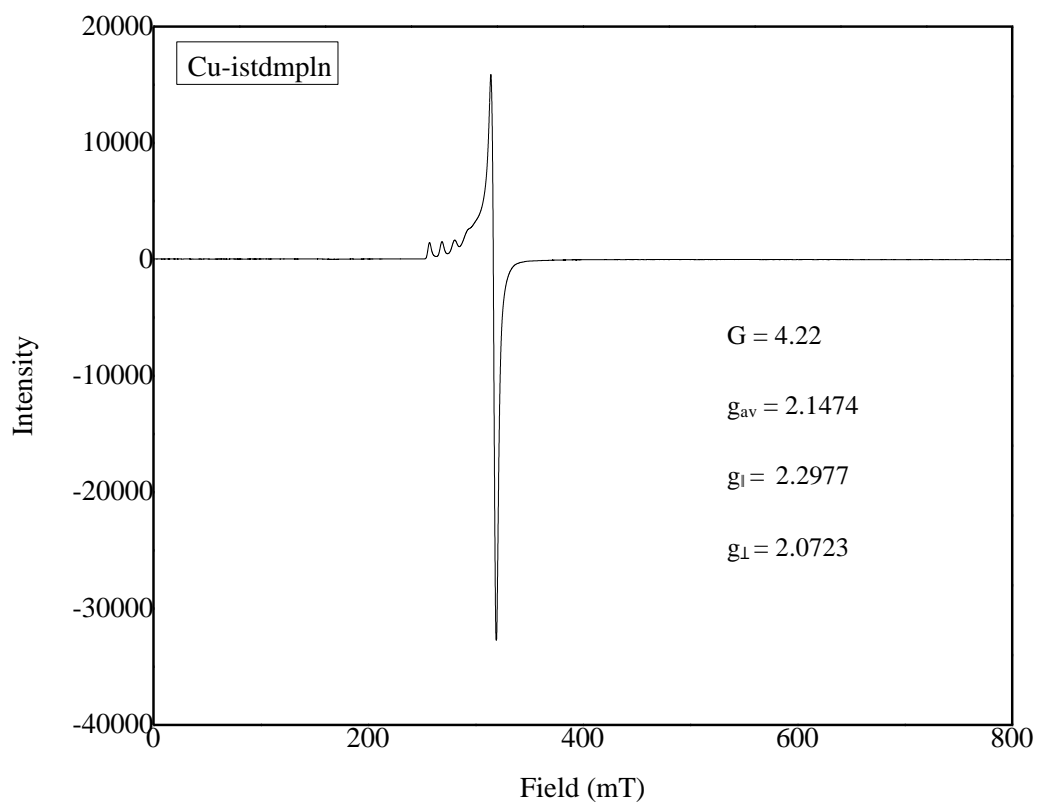


Figure S8: EPR spectra of copper (II) thiosemicarbazone (*Cu-istdmpln*)

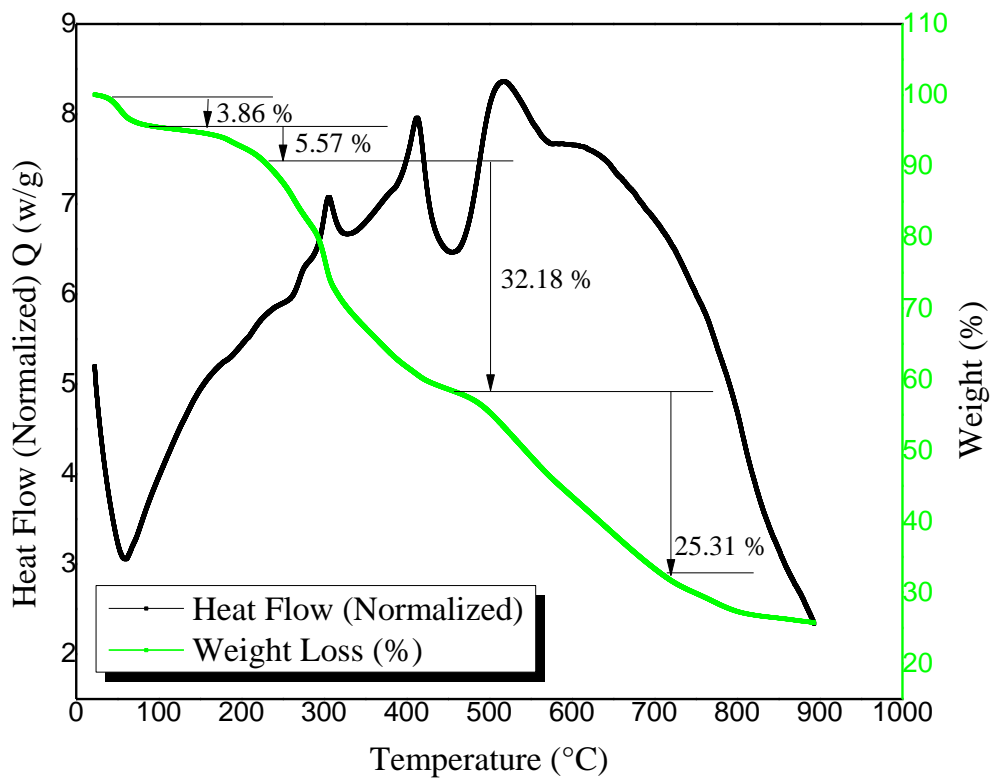


Figure S9: TGA pattern of copper (II) thiosemicarbazone (*Cu-istdmpln*)