

## Supplementary Materials

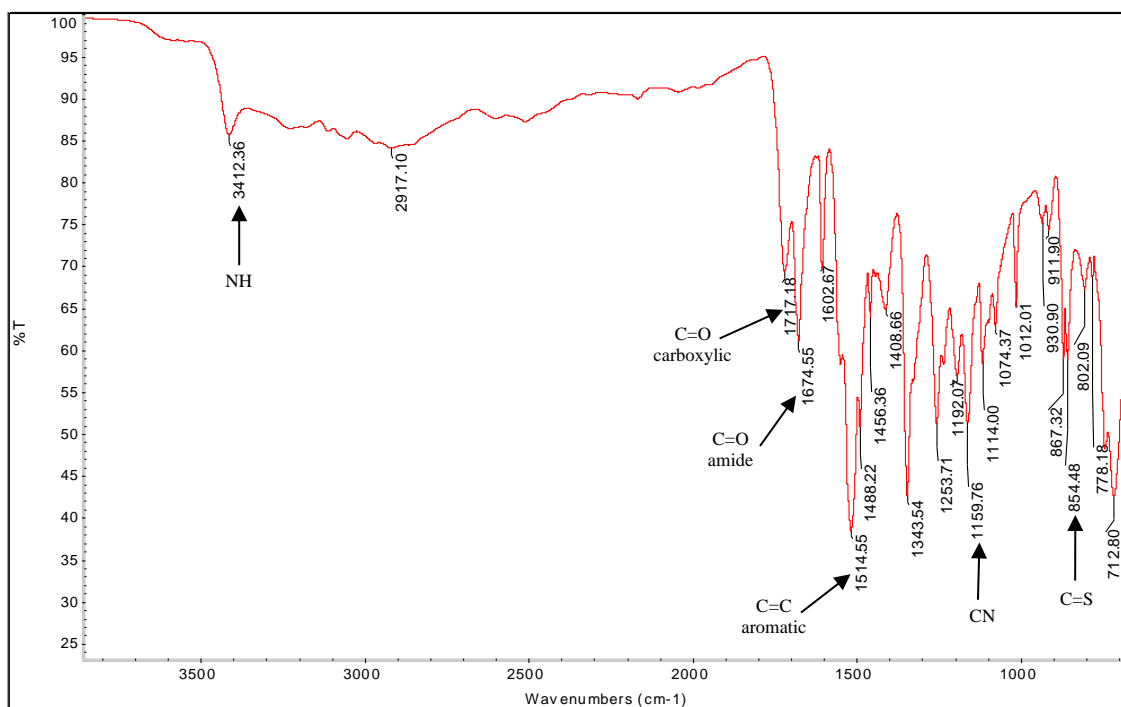
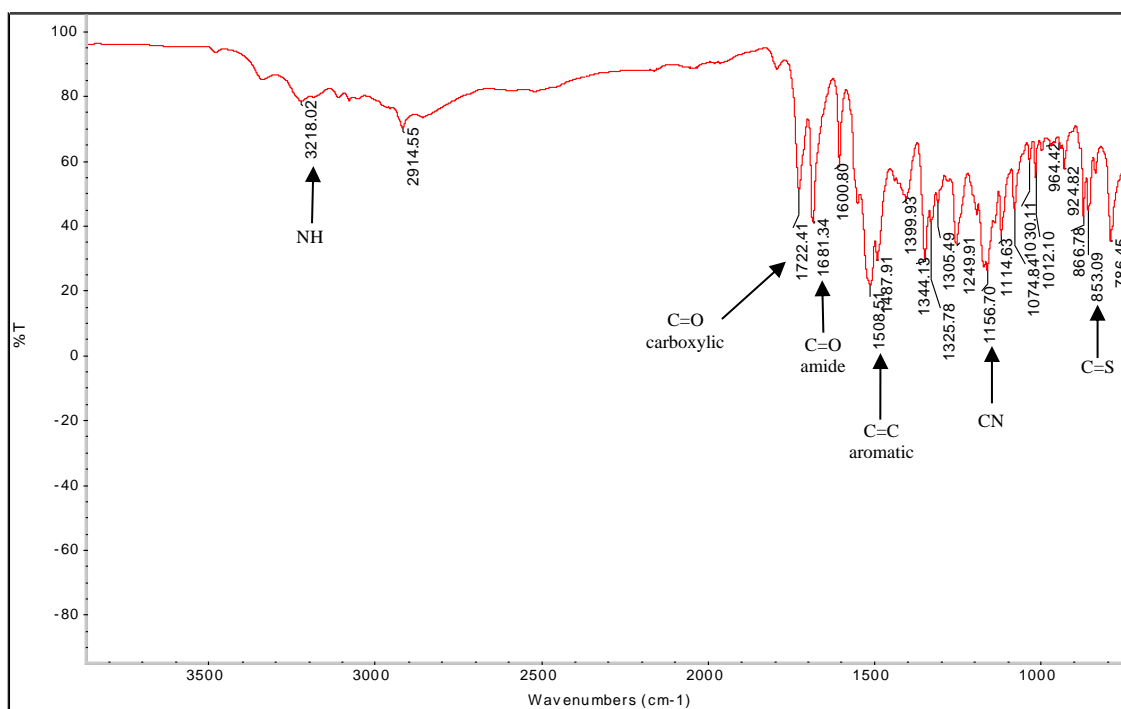
# Synthesis, Antibacterial Properties and Molecular Docking of Nitrobenzoylthiourea Compounds and their Copper(II) Complex

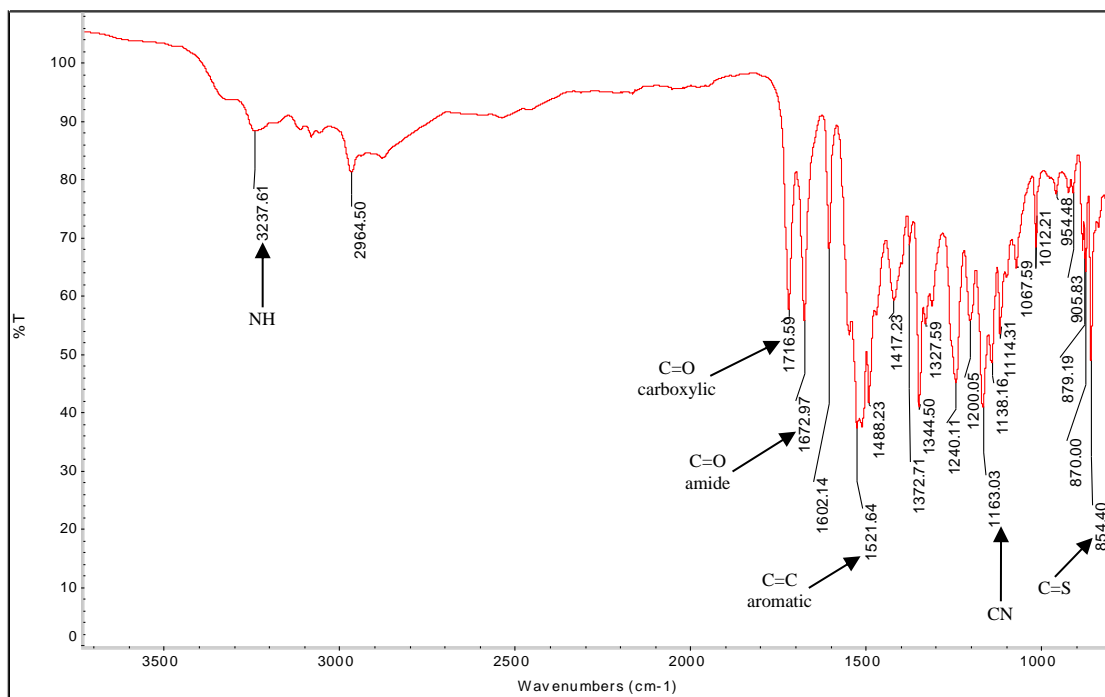
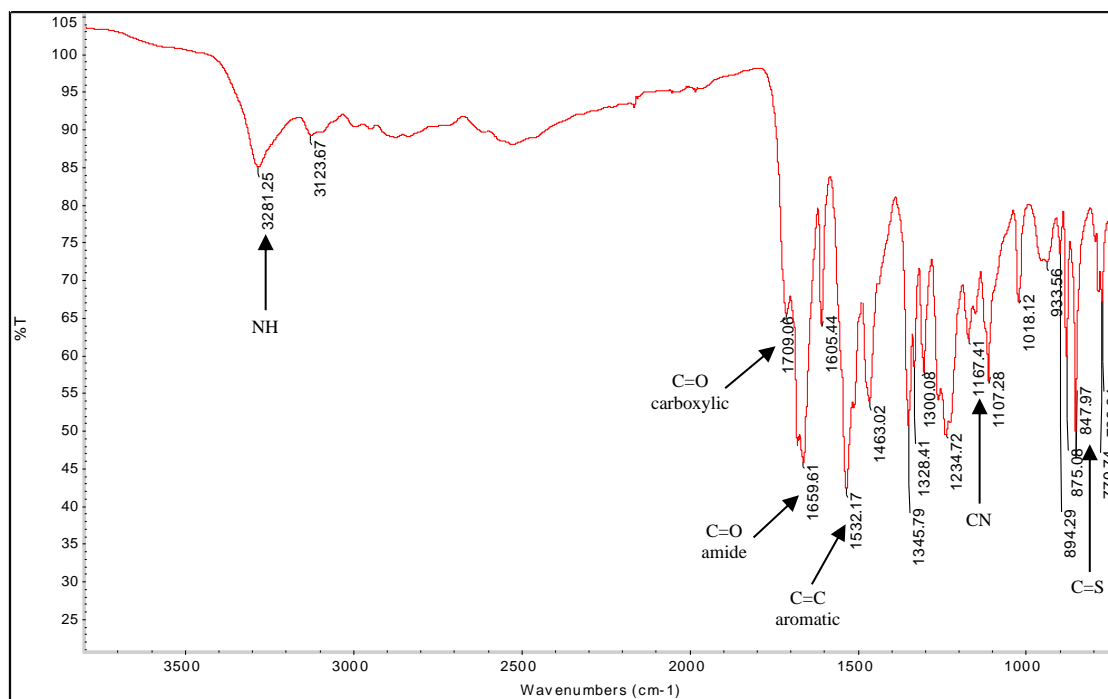
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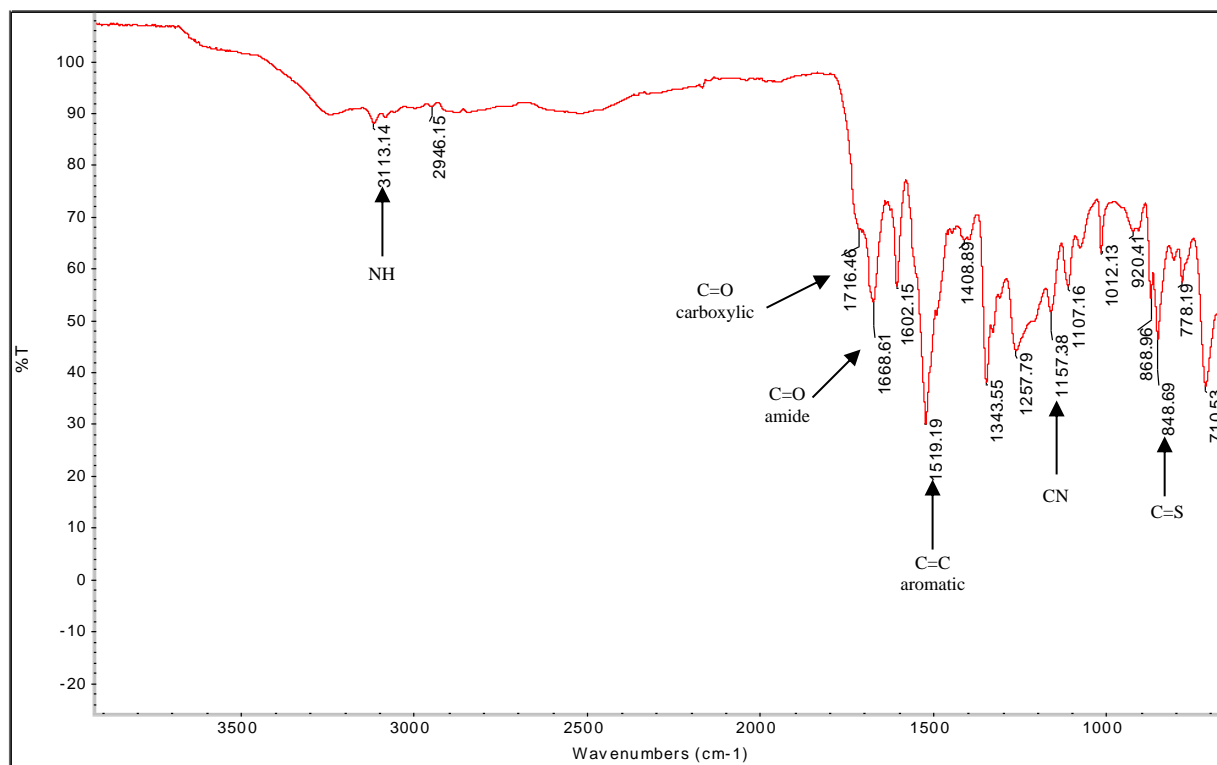
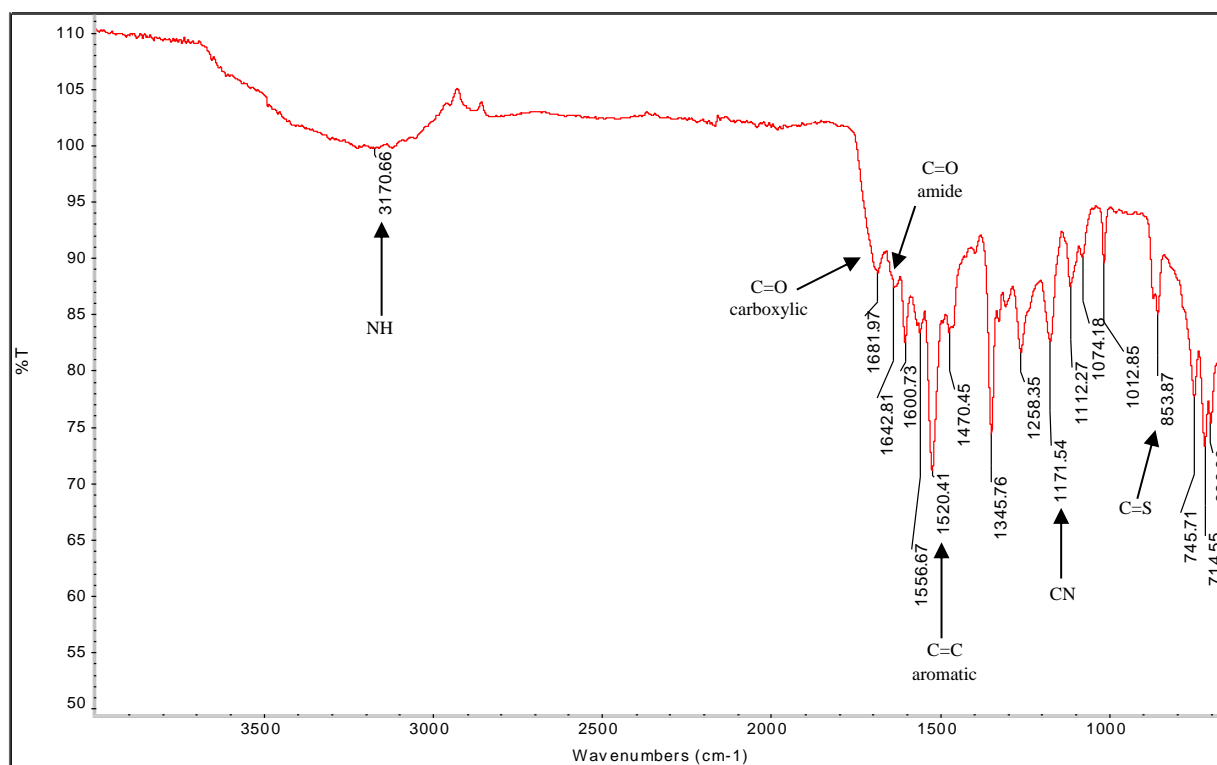
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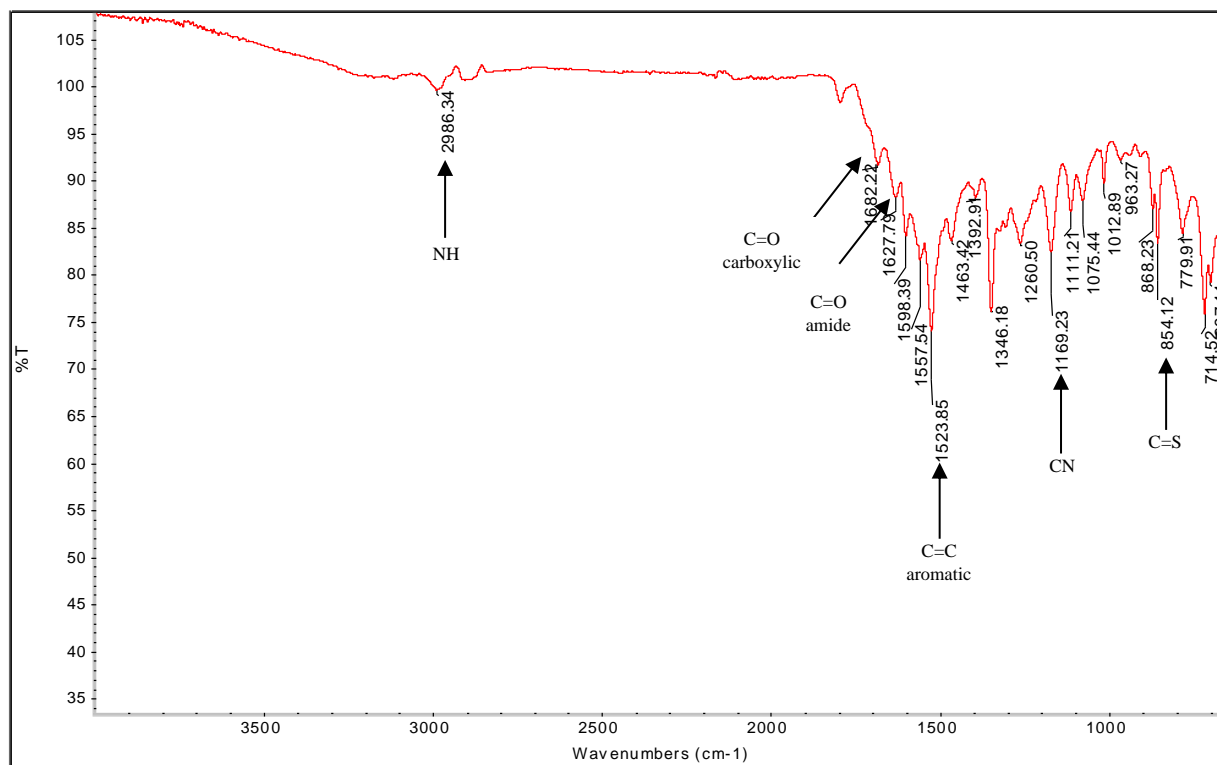
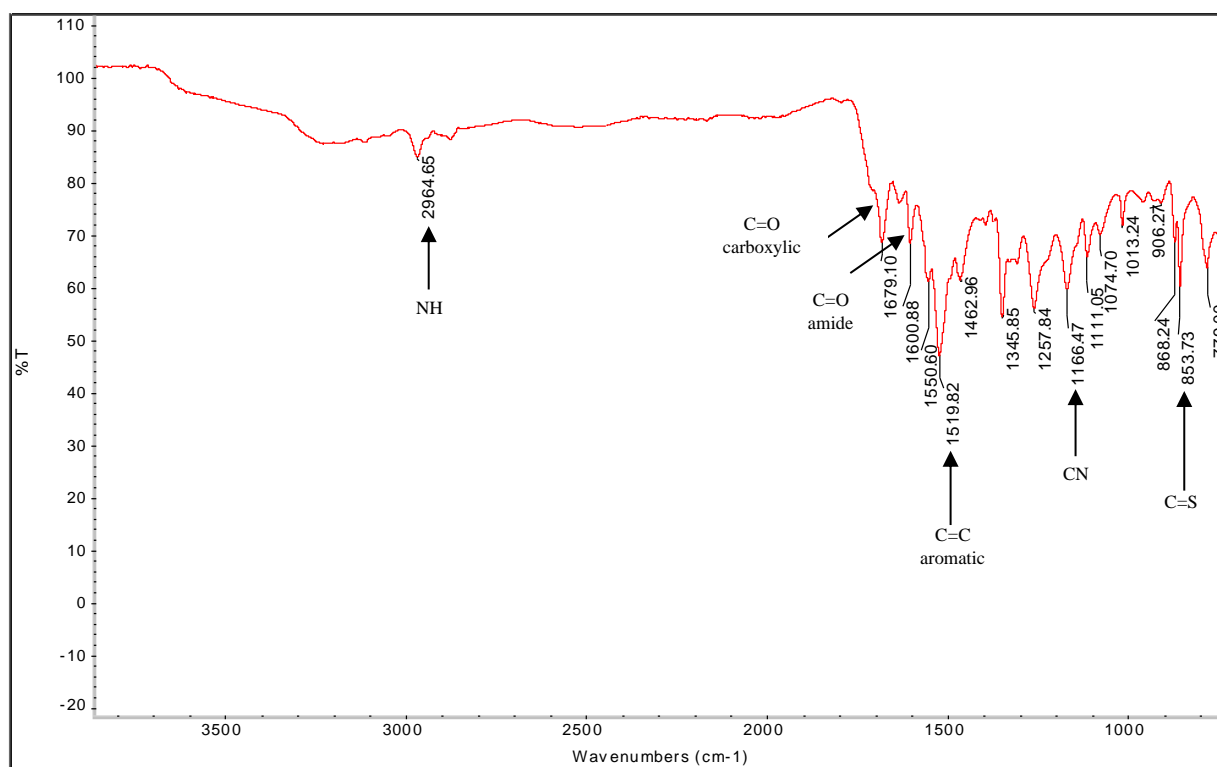
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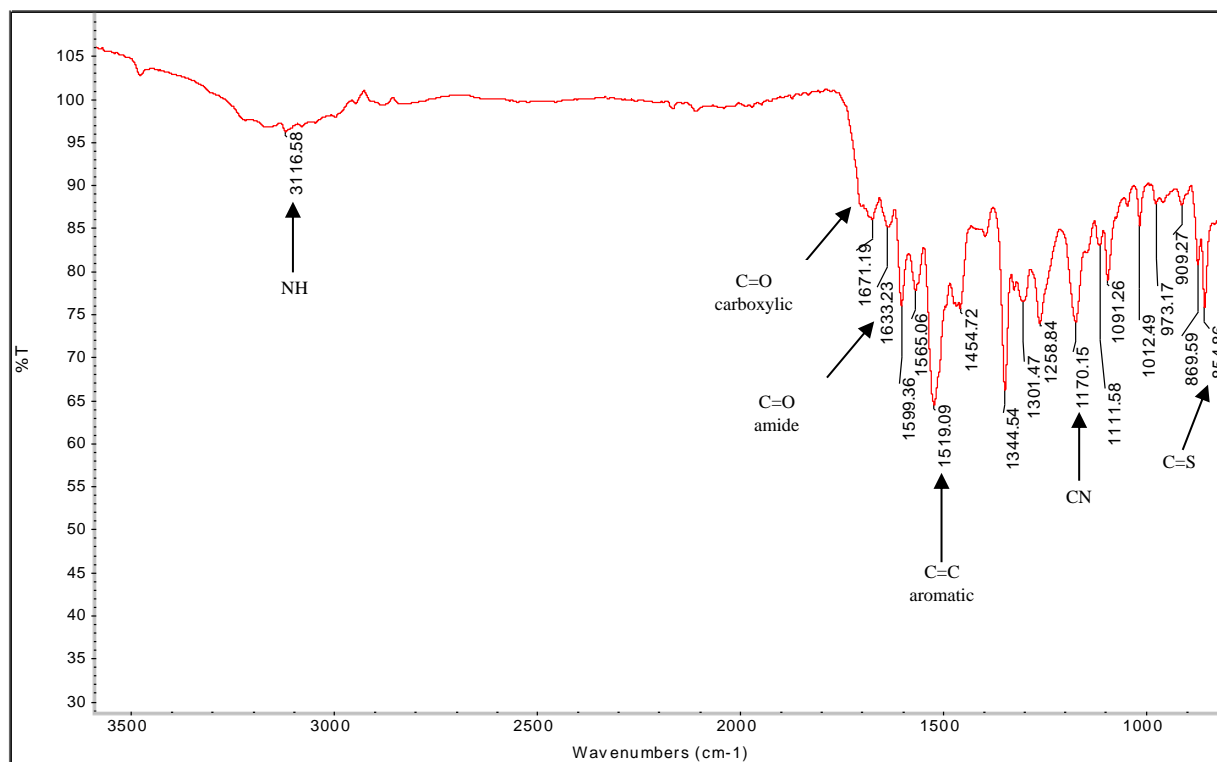
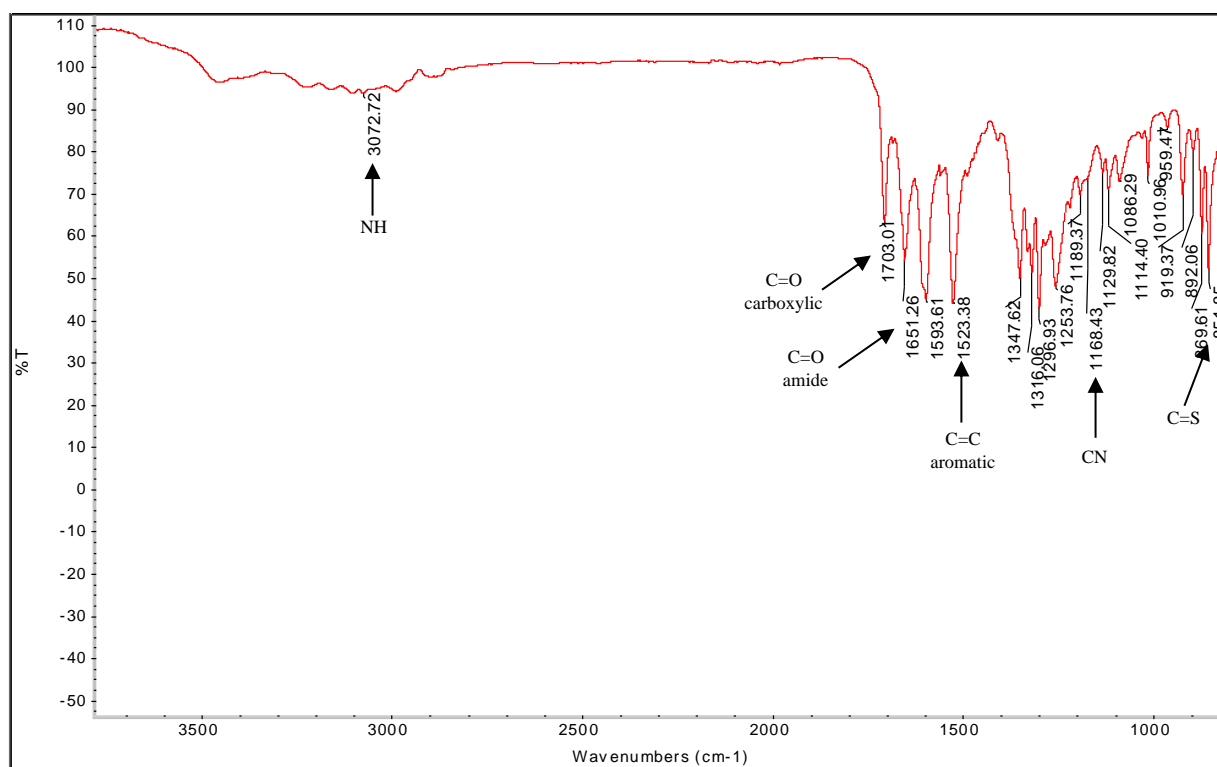
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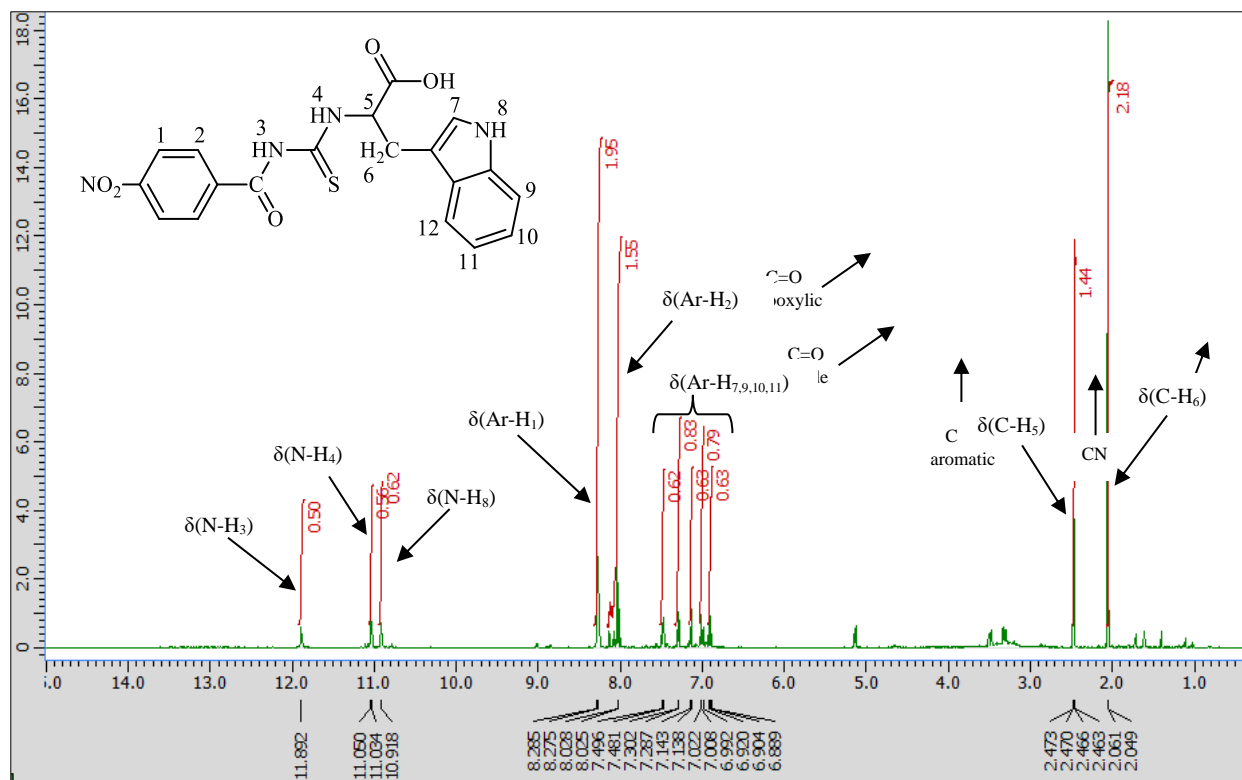
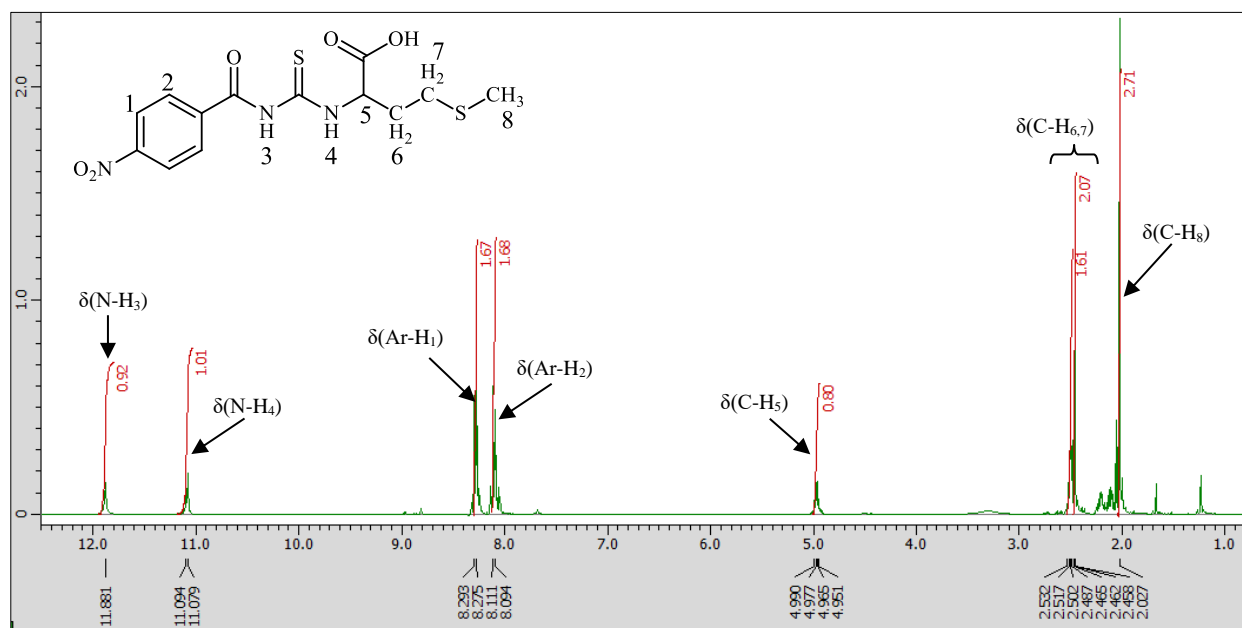
**Fourier Transform Infrared (FTIR) Characterization Data****Figure S1:** FTIR spectrum of ligand 1**Figure S2:** FTIR spectrum of ligand 2

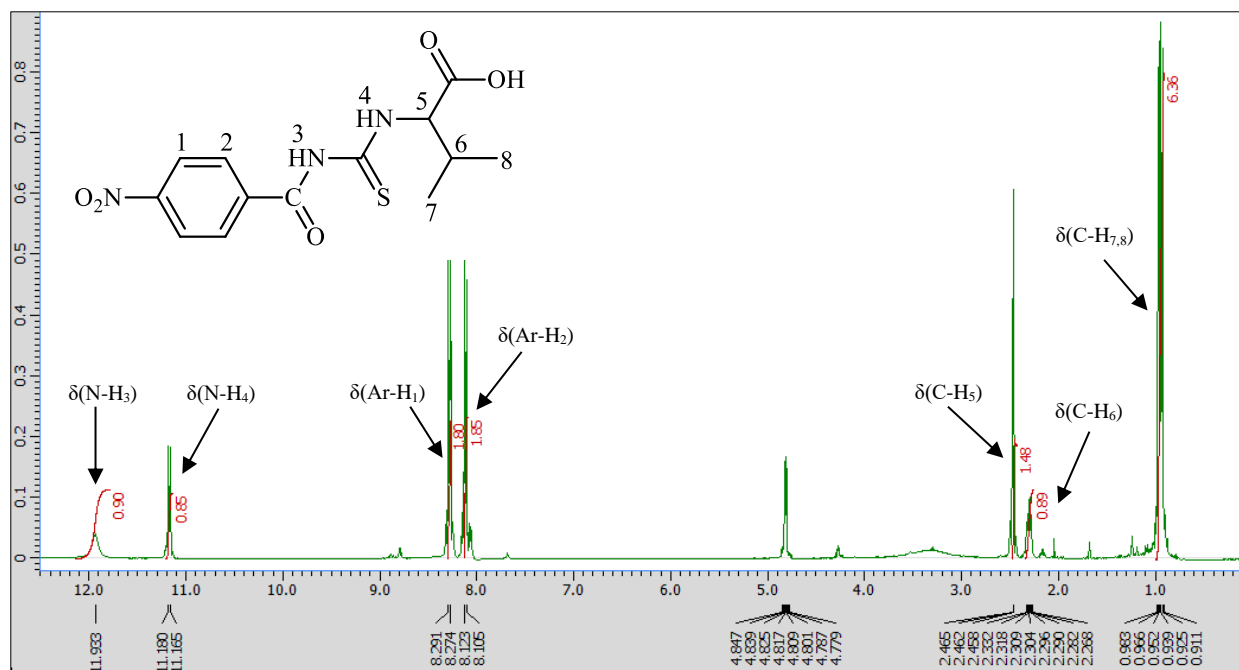
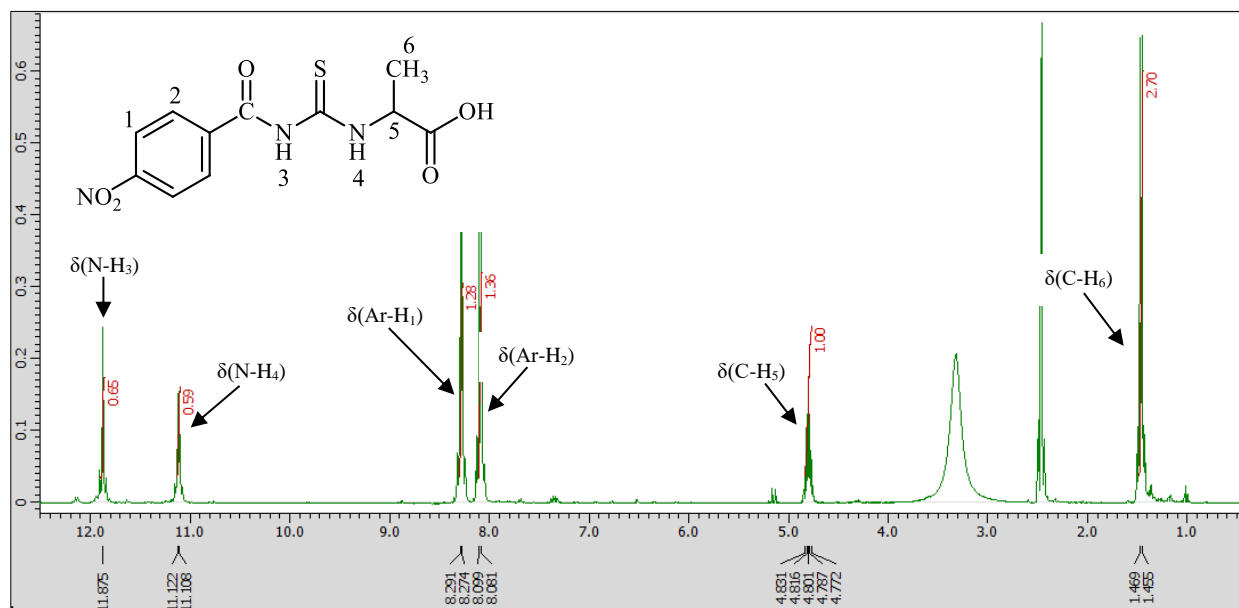
**Figure S3:** FTIR spectrum of ligand 3**Figure S4:** FTIR spectrum of ligand 4

**Figure S5:** FTIR spectrum of ligand 5**Figure S6:** FTIR spectrum of complex 6

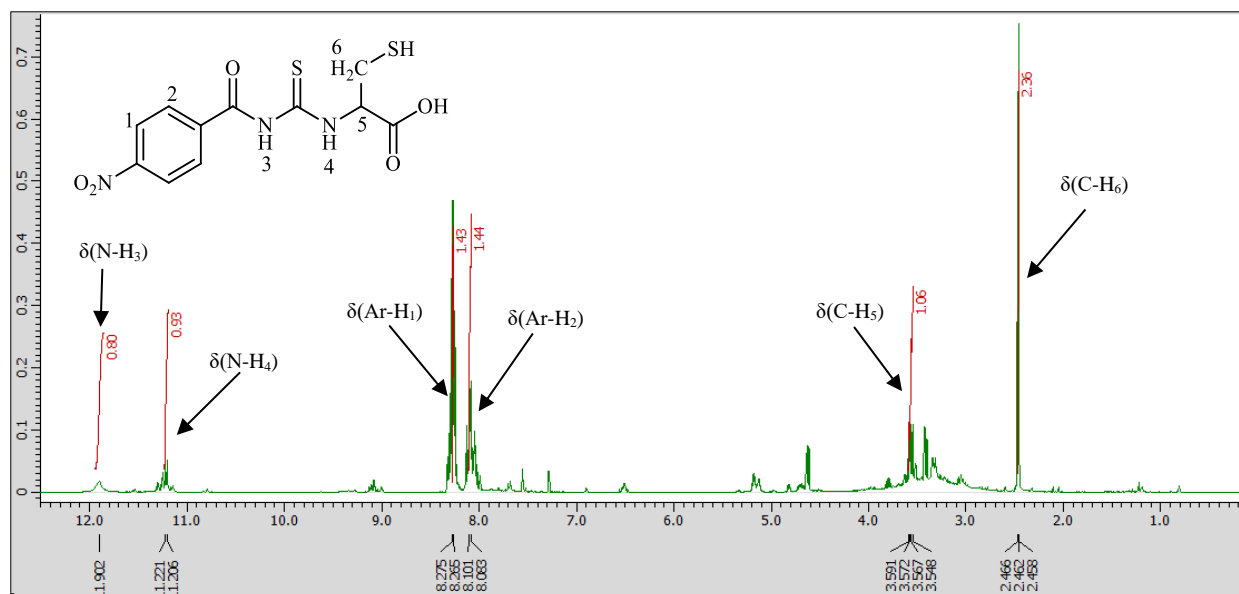
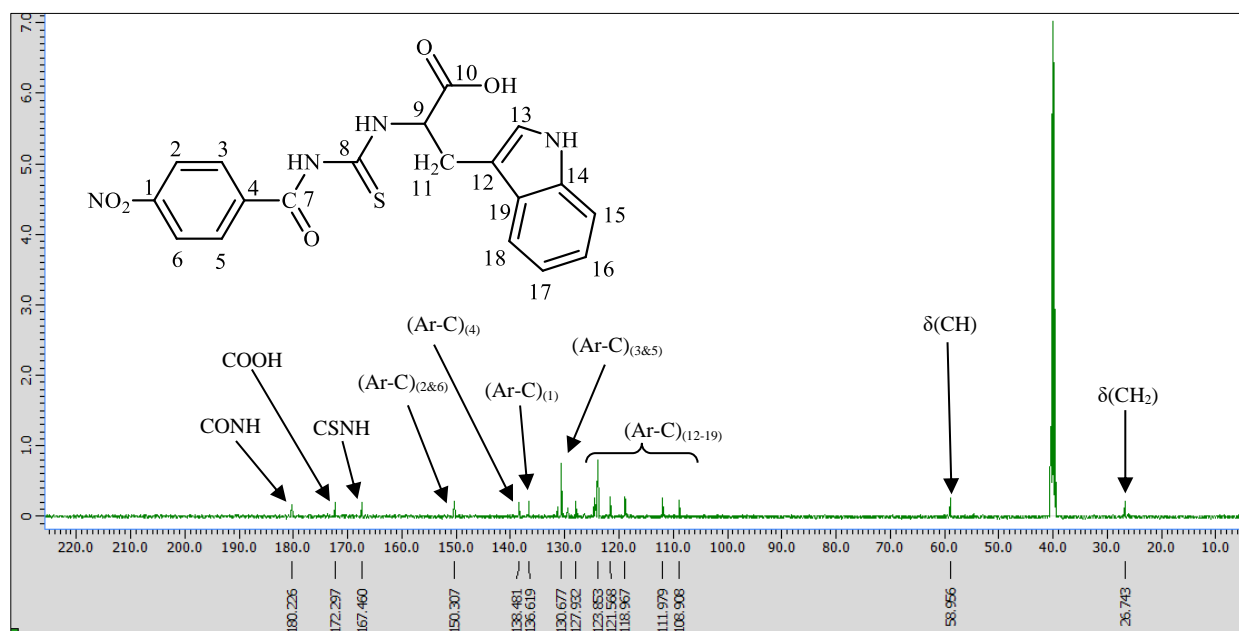
**Figure S7:** FTIR spectrum of complex 7**Figure S8:** FTIR spectrum of complex 8

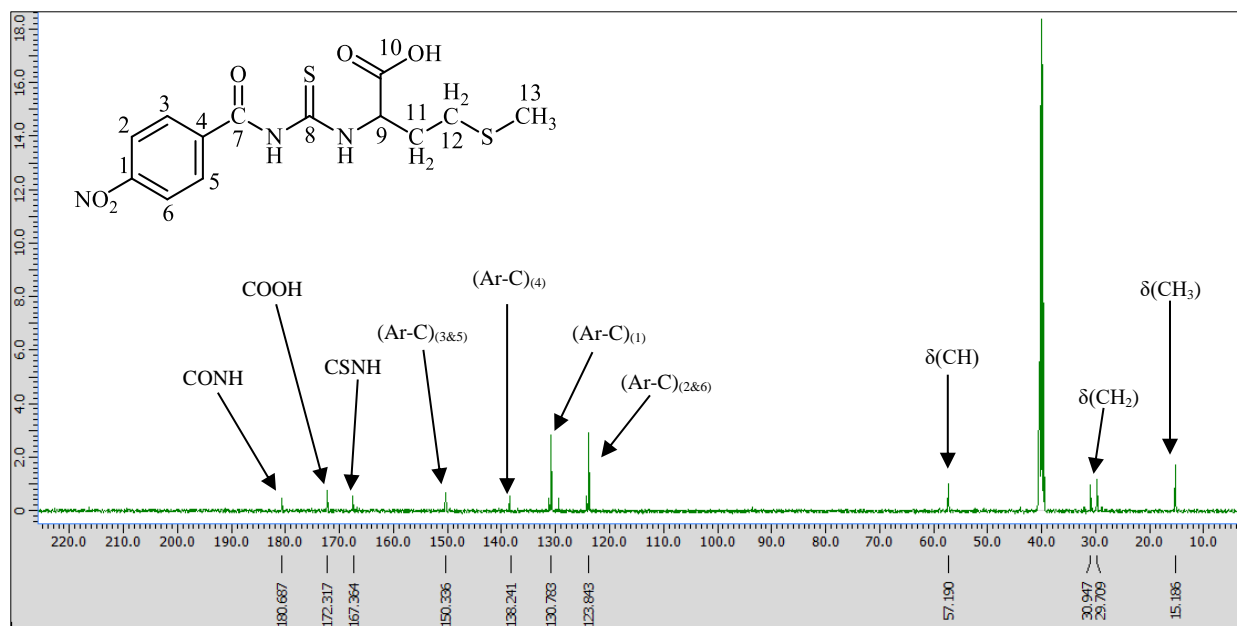
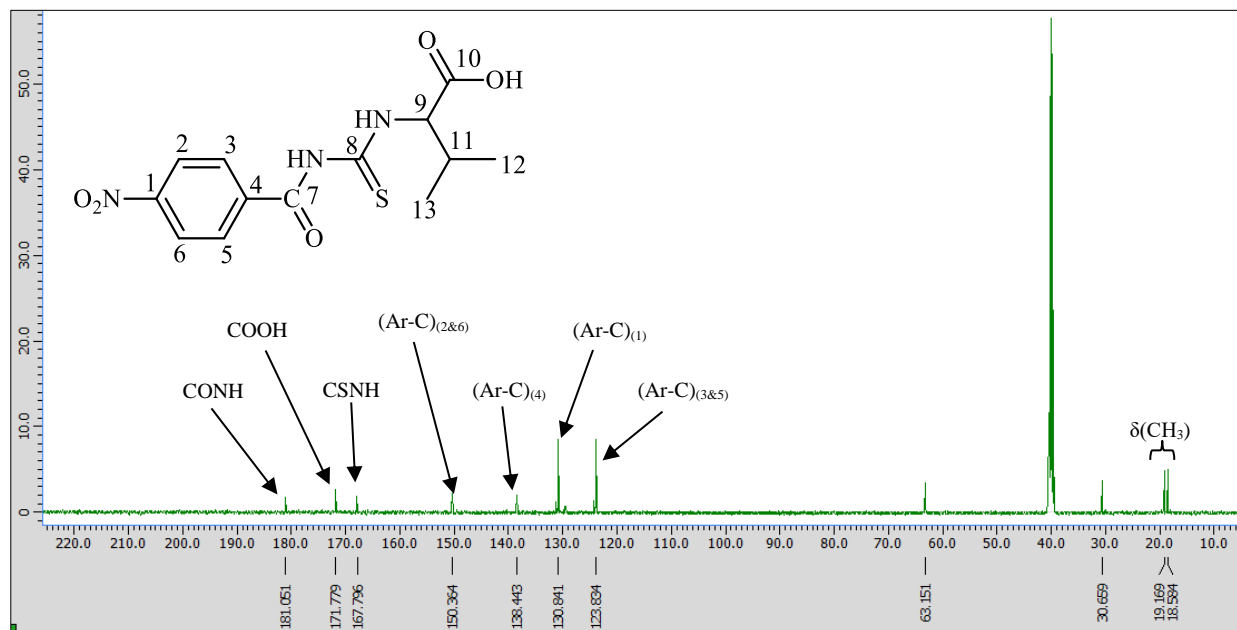
**Figure S9:** FTIR spectrum of complex 9**Figure S10:** FTIR spectrum of complex 10

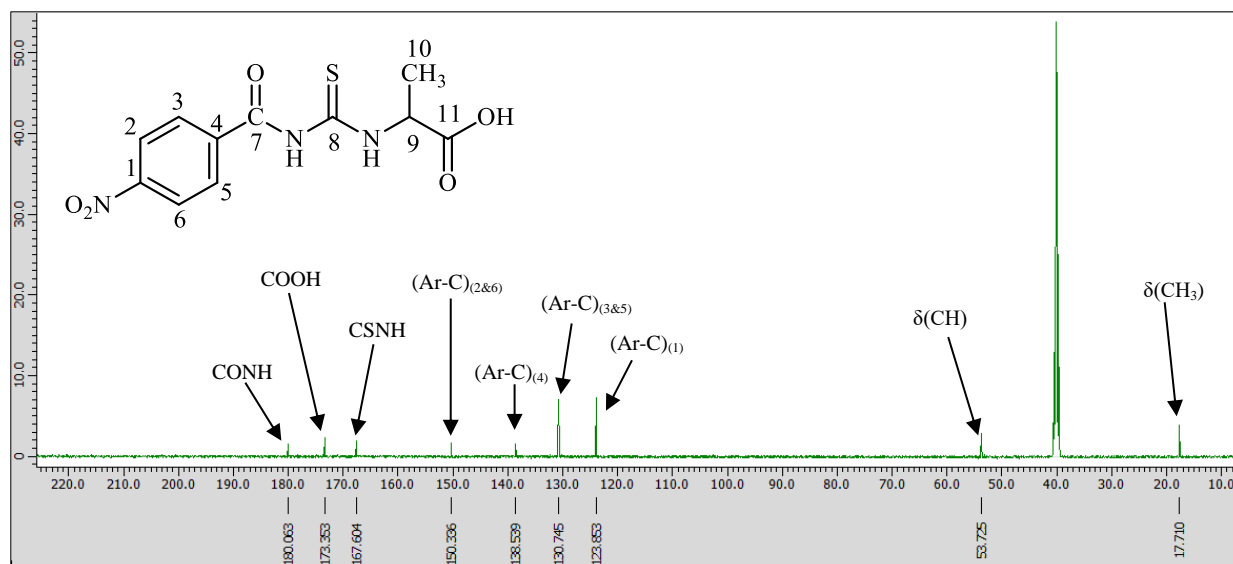
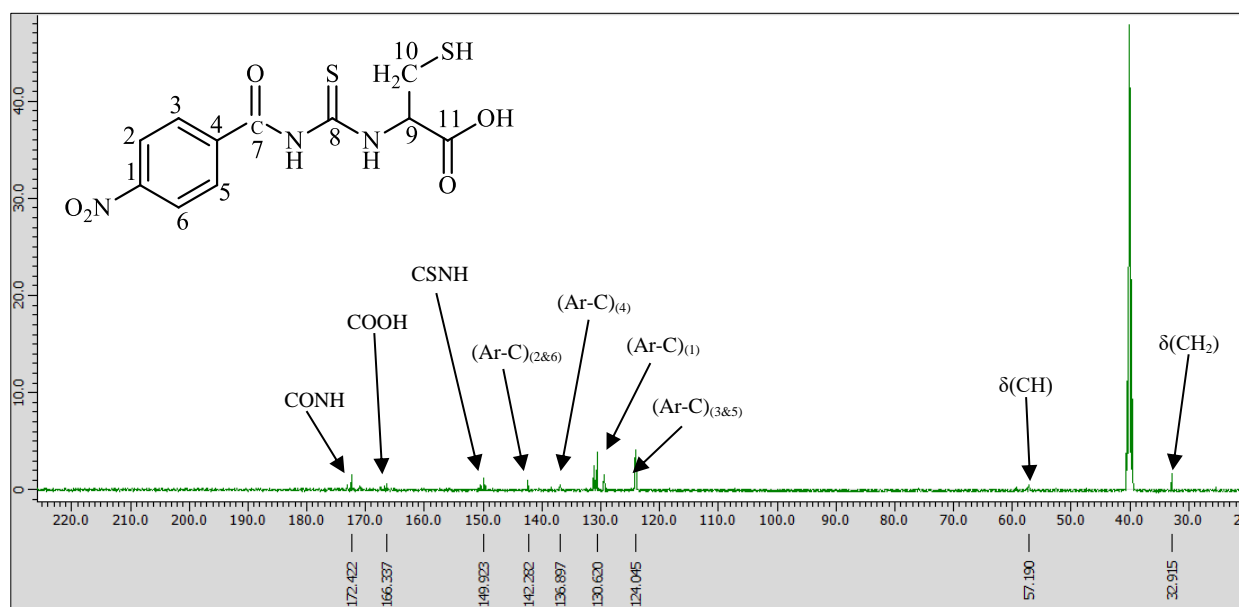
Figure S11:  $^1\text{H}$  NMR spectrum of ligand 1Figure S12:  $^1\text{H}$  NMR spectrum of ligand 2

**Figure S13:** <sup>1</sup>H NMR spectrum of ligand 3**Figure S14:** <sup>1</sup>H NMR spectrum of ligand 4



**Figure S15:** <sup>1</sup>H NMR spectrum of ligand 5**Figure S16:** <sup>13</sup>C NMR spectrum of ligand 1

Figure S17:  $^{13}\text{C}$  NMR spectrum of ligand 2Figure S18:  $^{13}\text{C}$  NMR spectrum of ligand 3

**Figure S19:** <sup>13</sup>C NMR spectrum of ligand 4**Figure S20:** <sup>13</sup>C NMR spectrum of ligand 5