

Isolation and spectral characterization of complexes [FeL₁ClH₂O] and [FeL₂ClH₂O] (H₂L₁=N-(3-hydroxy-propyl)-2-[(3-hydroxy-propylcarbamoyl)-methyl]-amino}-acetamide and H₂L₂=N-(2-hydroxy-ethyl)-2-[[2-hydroxy-ethylcarbamoyl)-methyl]-amino}-acetamide): ⁵⁷Fe Mössbauer and cyclic voltammetric investigations

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Supporting Information

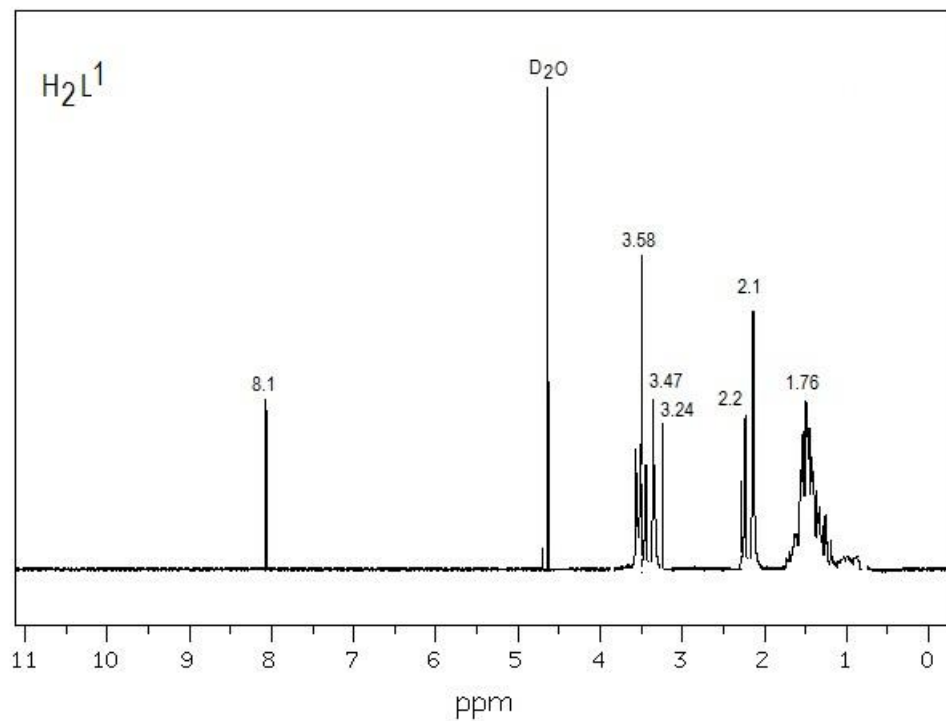


Fig 1S: ¹H NMR Spectrum of Ligand H₂L₁.

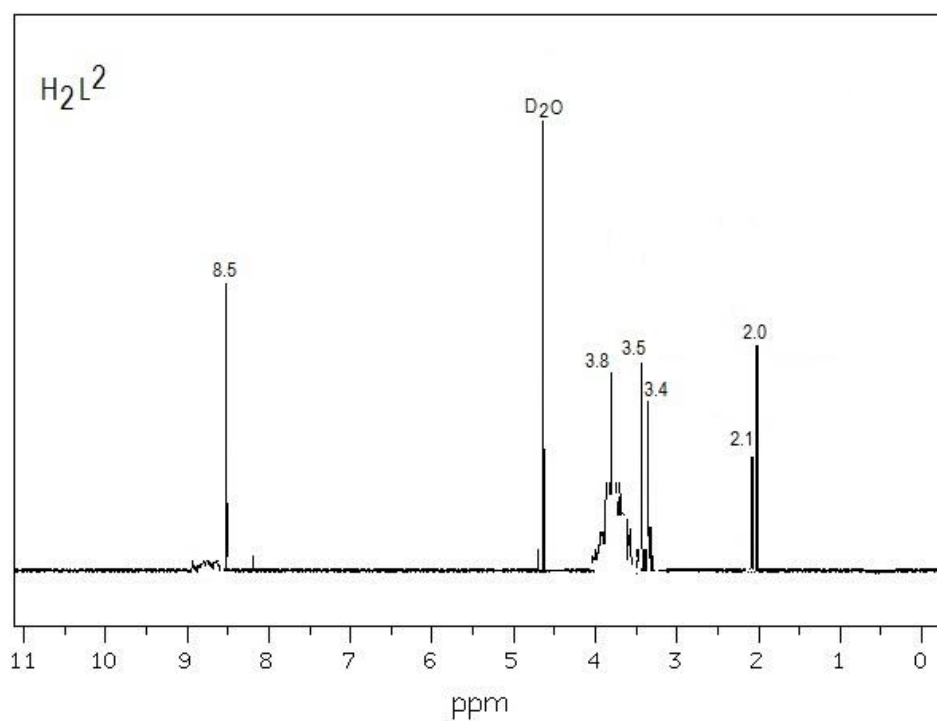


Fig 2S: ¹H NMR Spectrum of Ligand H₂L₂.

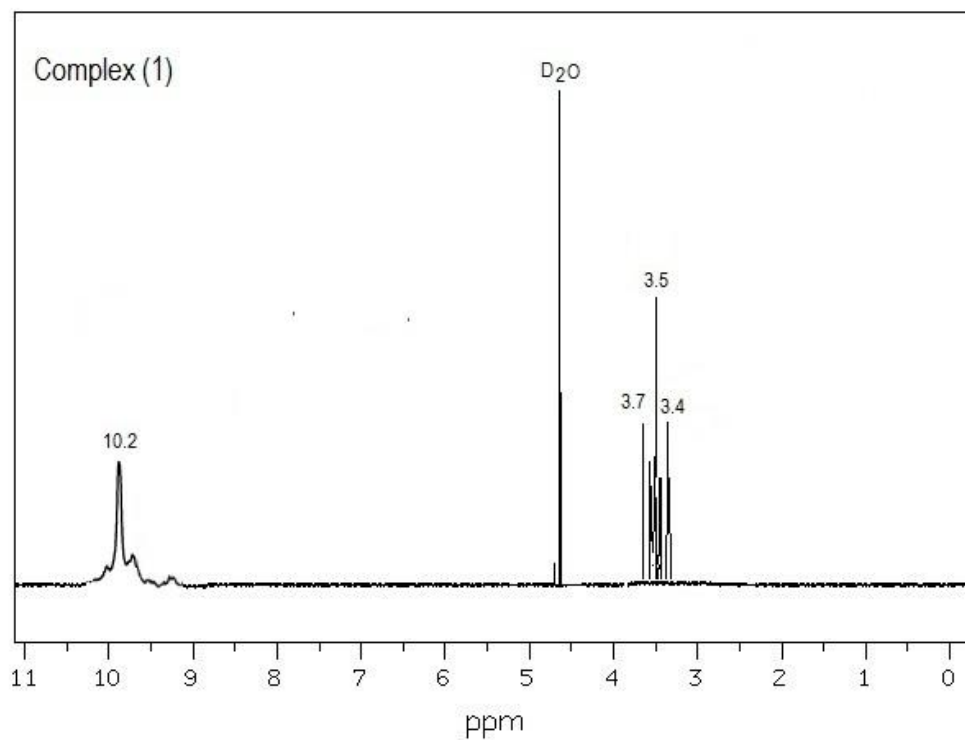


Fig 3S: ¹H NMR Spectrum of Complex 1.

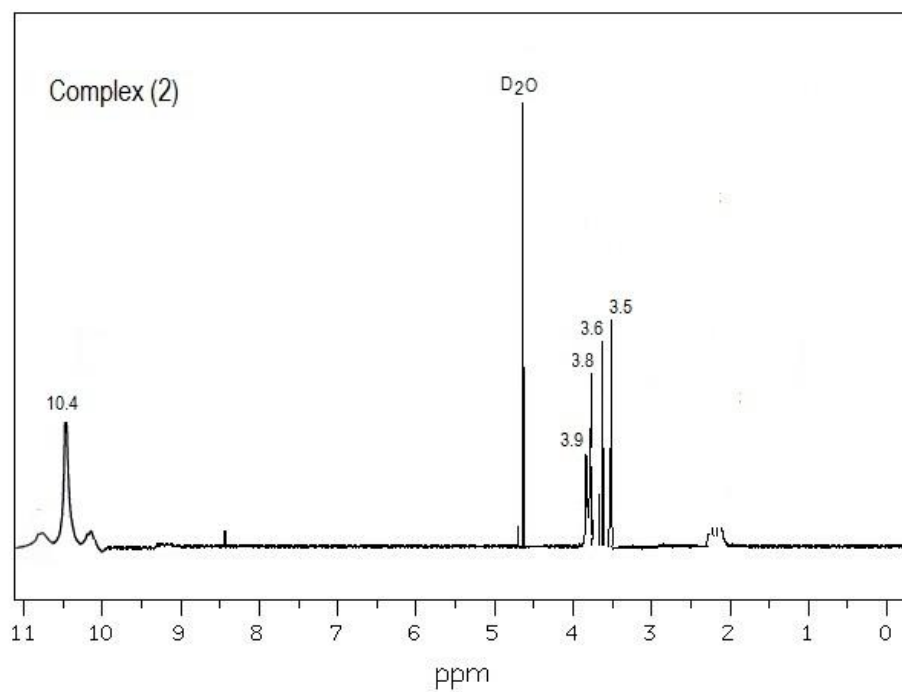


Fig 4S: ¹H NMR Spectrum of Complex 2.

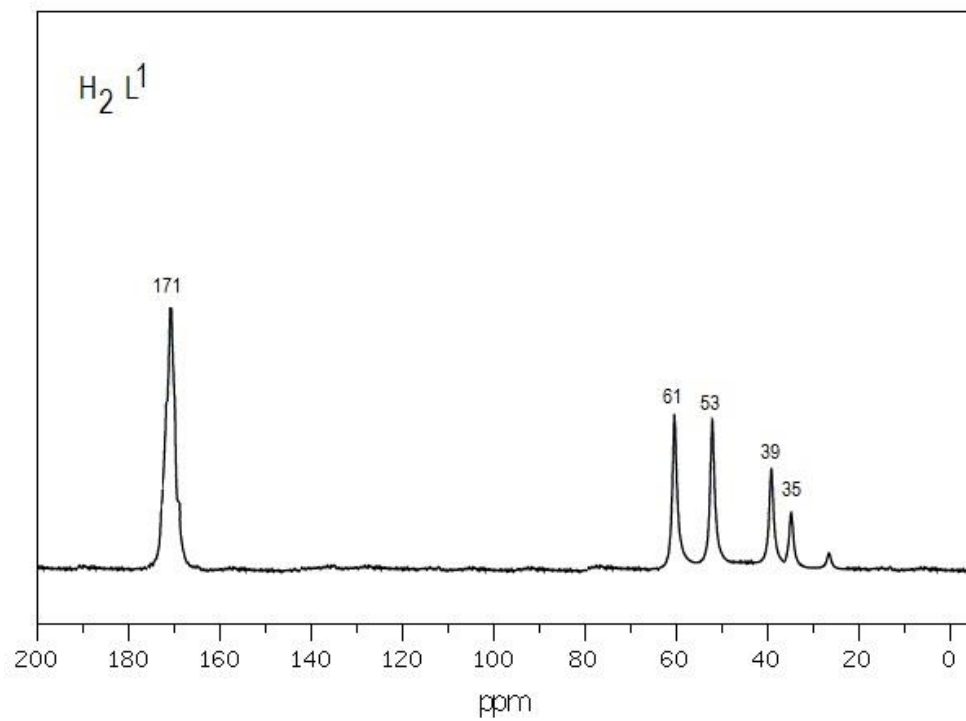


Fig 5S: ^{13}C NMR Spectrum of ligand H_2L_1 .

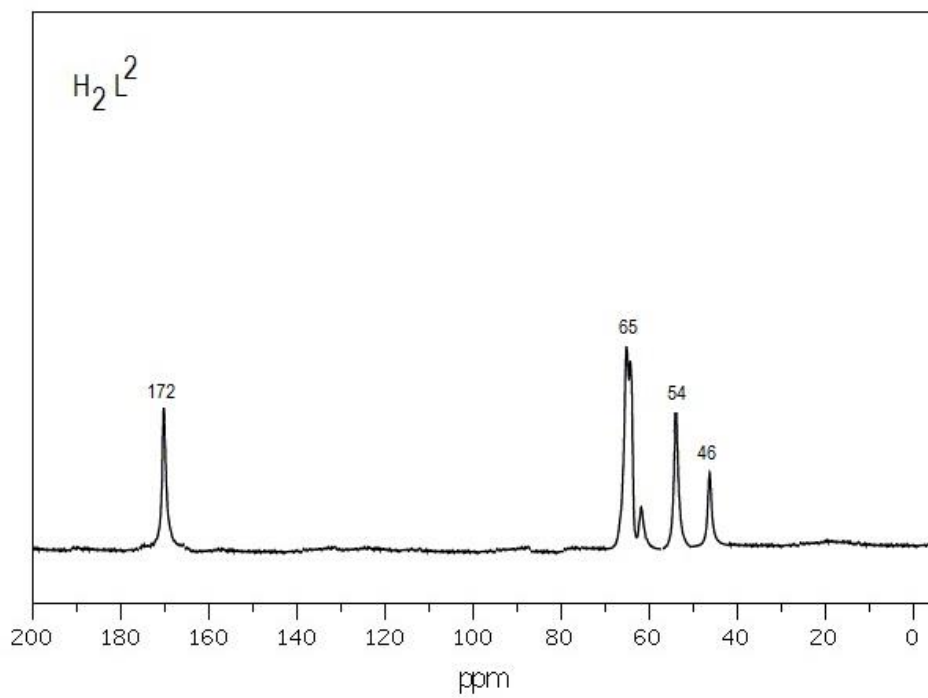


Fig 6S: ^{13}C NMR Spectrum of ligand H_2L_2 .

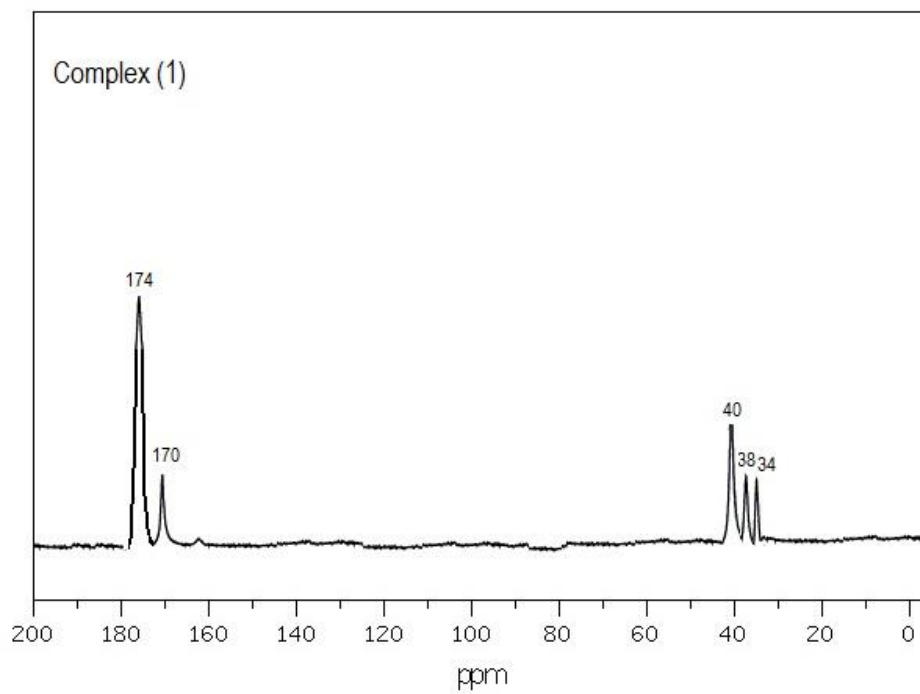


Fig 7S: ¹³C NMR Spectrum of complex 1.

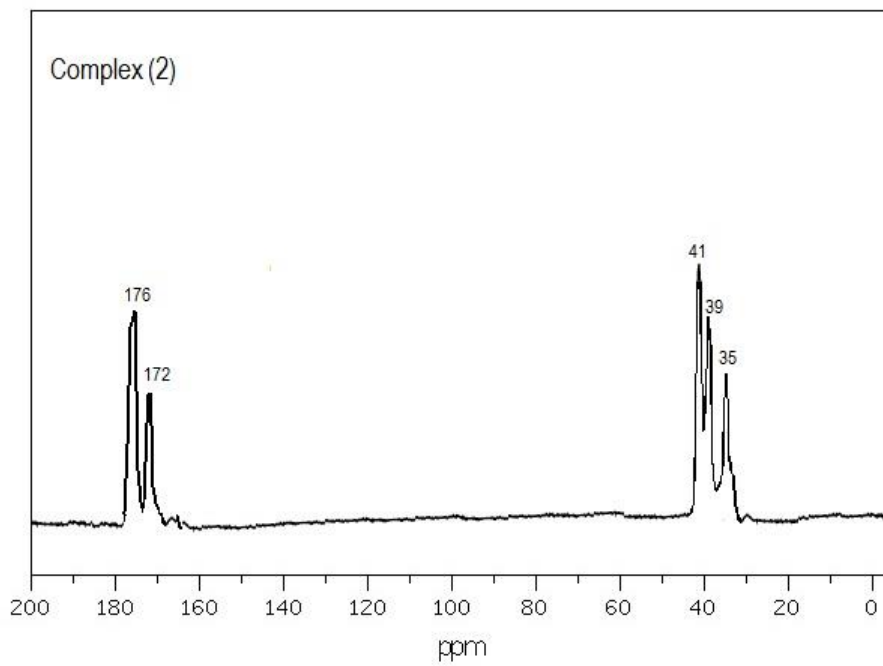


Fig 8S: ¹³C NMR Spectrum of complex 2.

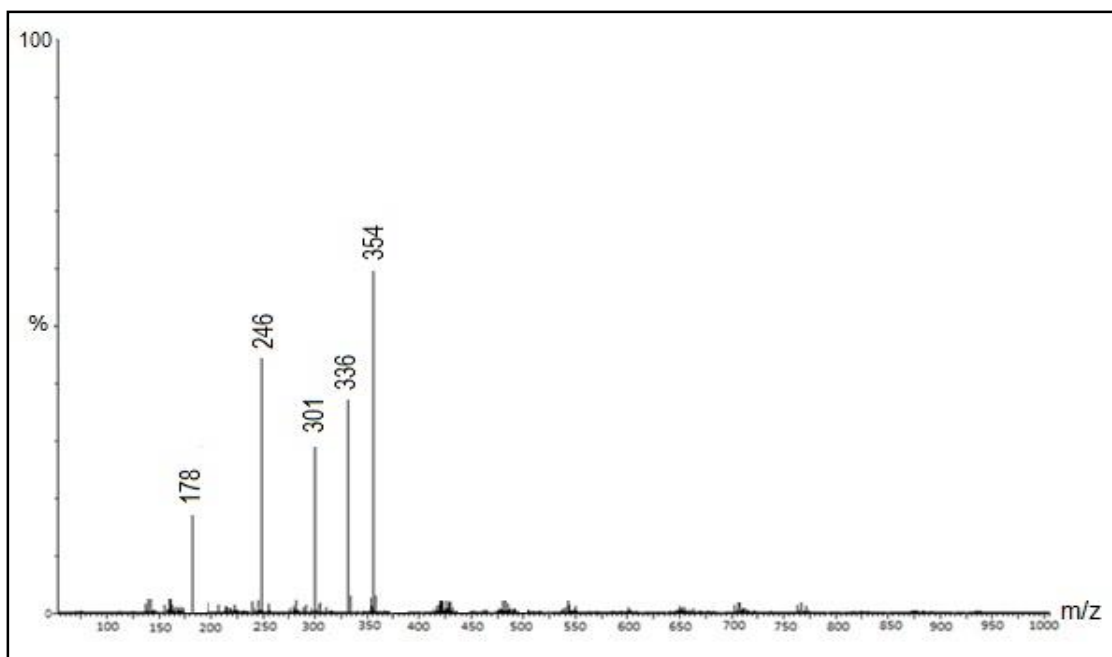


Fig 9S: FAB MS Spectrum of complex 1.

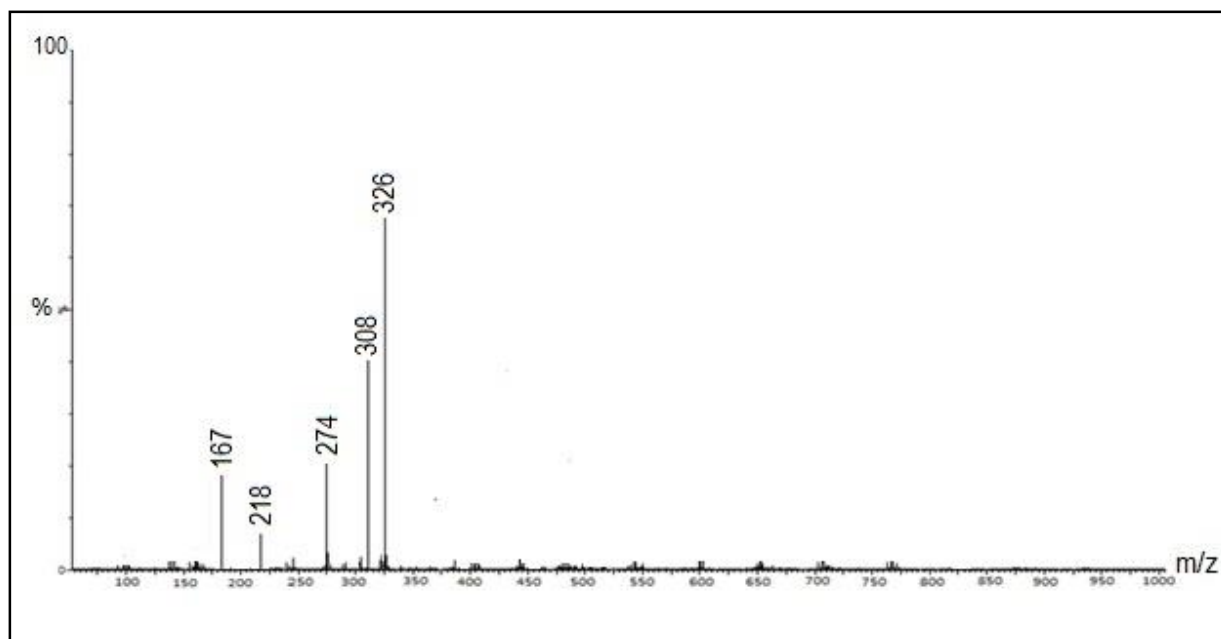


Fig 10S: FAB MS Spectrum of complex 2.

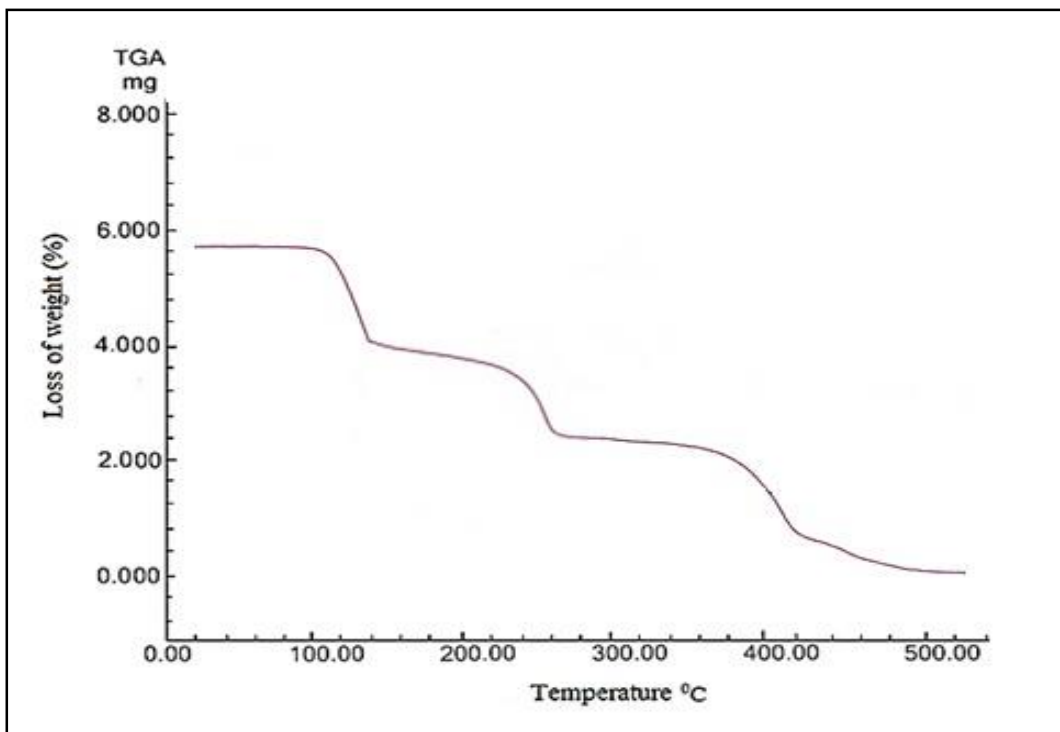


Fig 11S: TGA of complex 1.

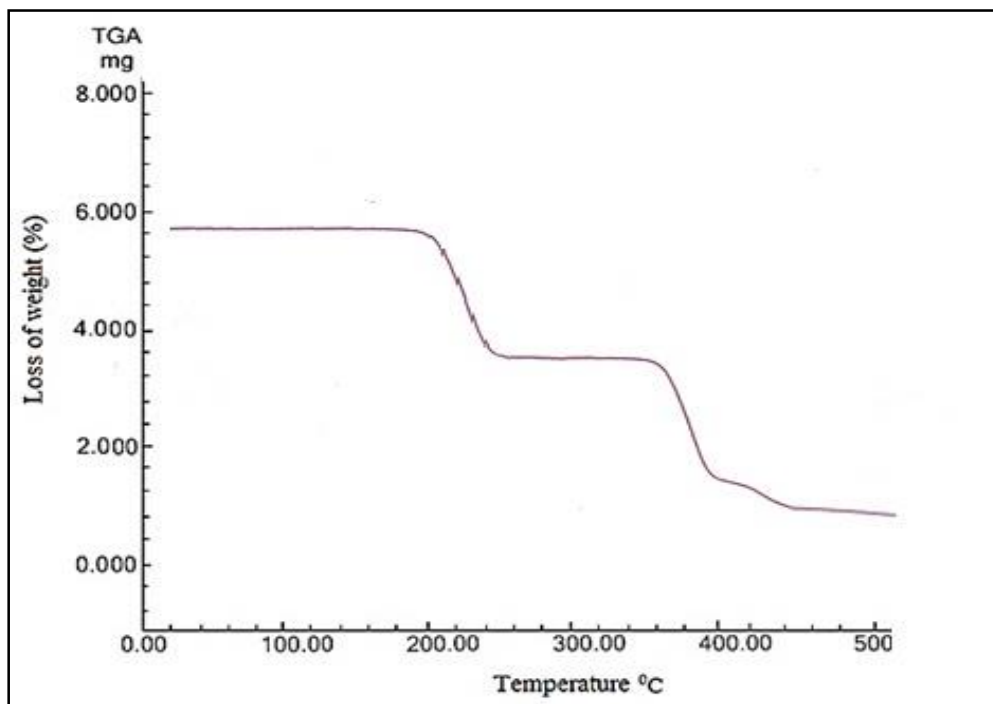


Fig 12S: TGA of complex 2.

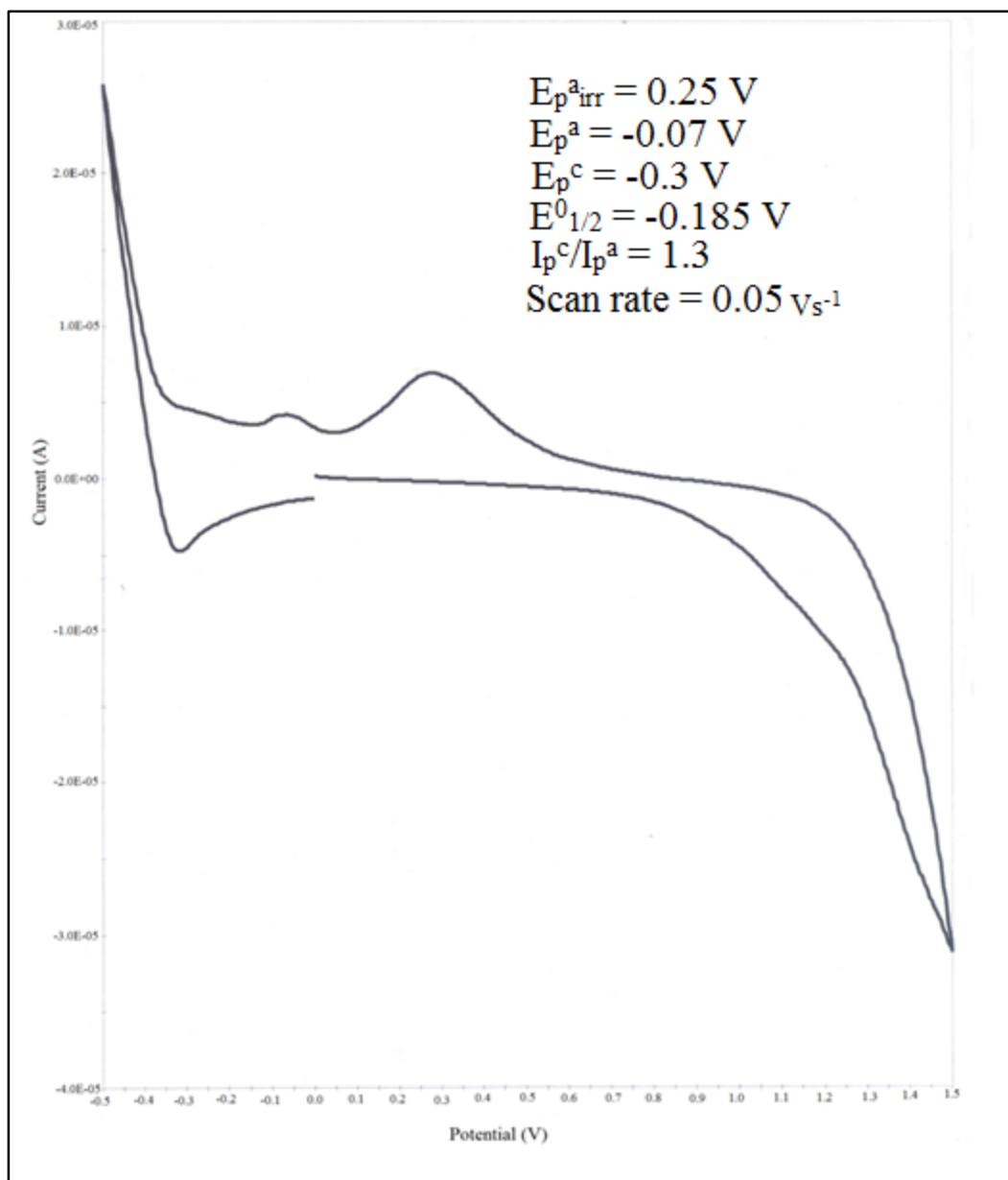


Fig 13S: Cyclic voltammogram of $[\text{FeL}_1\text{ClH}_2\text{O}](\mathbf{1})$ in 10^{-3}M water solution at 0.05 V s^{-1} scan rate.

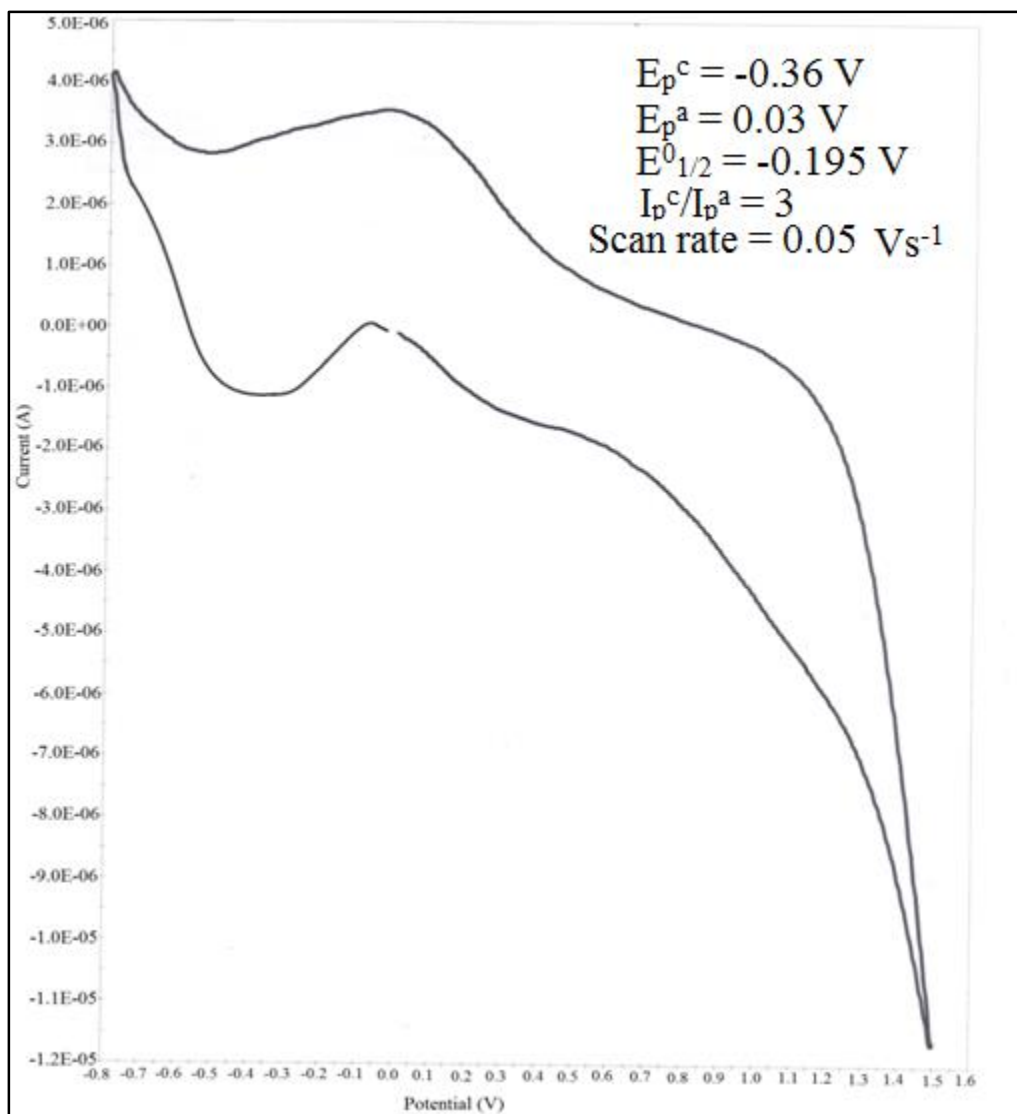


Fig 14S: Cyclic voltammogram of $[\text{FeL}_2\text{ClH}_2\text{O}](2)$ in 10^{-3}M water solution at 0.05 Vs^{-1} scan rate.