

Electronic Supplementary Information

***In vivo* assessment of newly synthesized achiral copper (II) and zinc (II) complexes of benzimidazole derived scaffold as a potential analgesic, antipyretic and anti-inflammatory.**

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Fig S1. Ultra performance Liquid Chromatograms (UPLC) of [L], [CuL2] and [ZnL2].

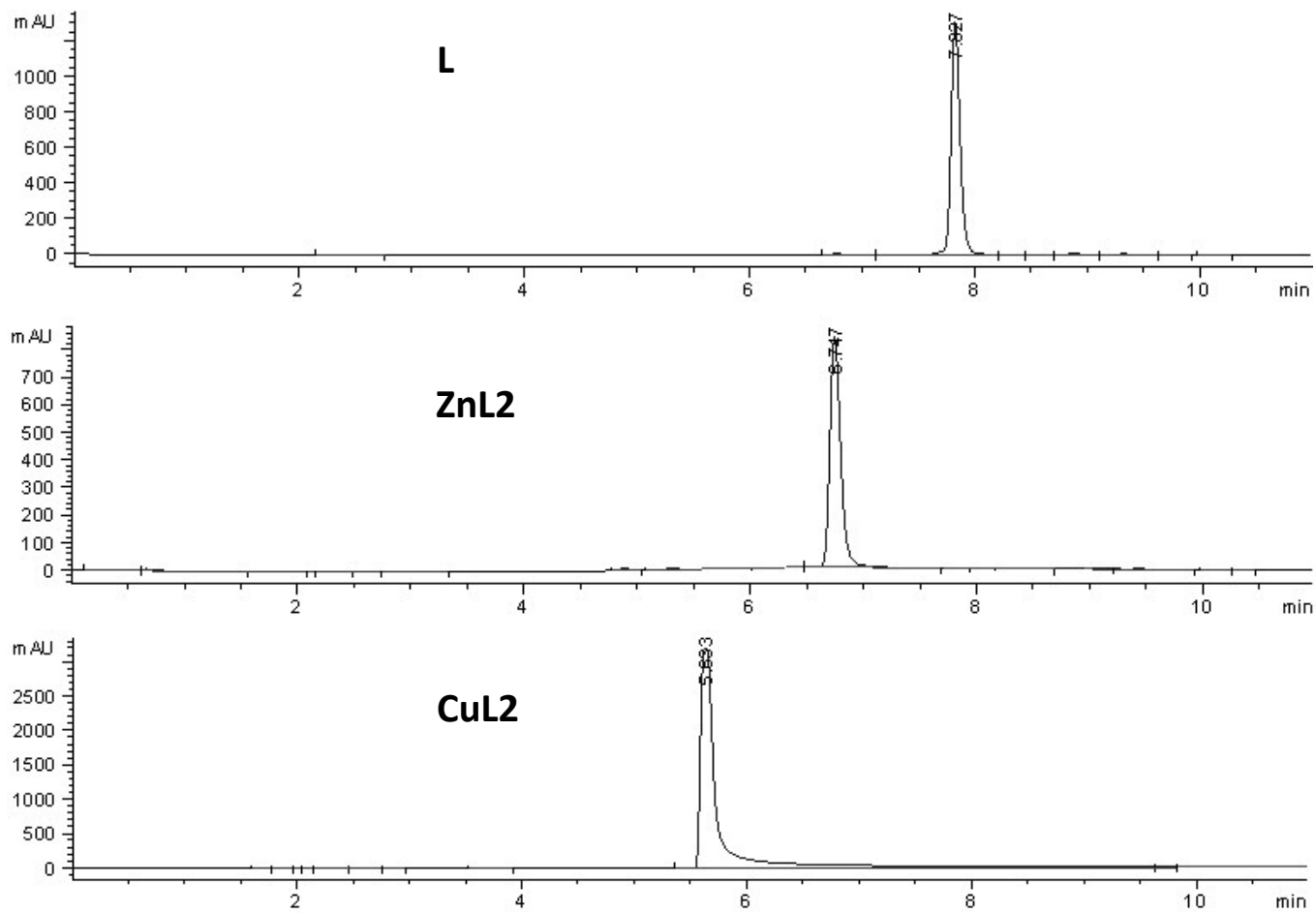


Figure S2. Infra-red spectrum of the Schiff base (L).

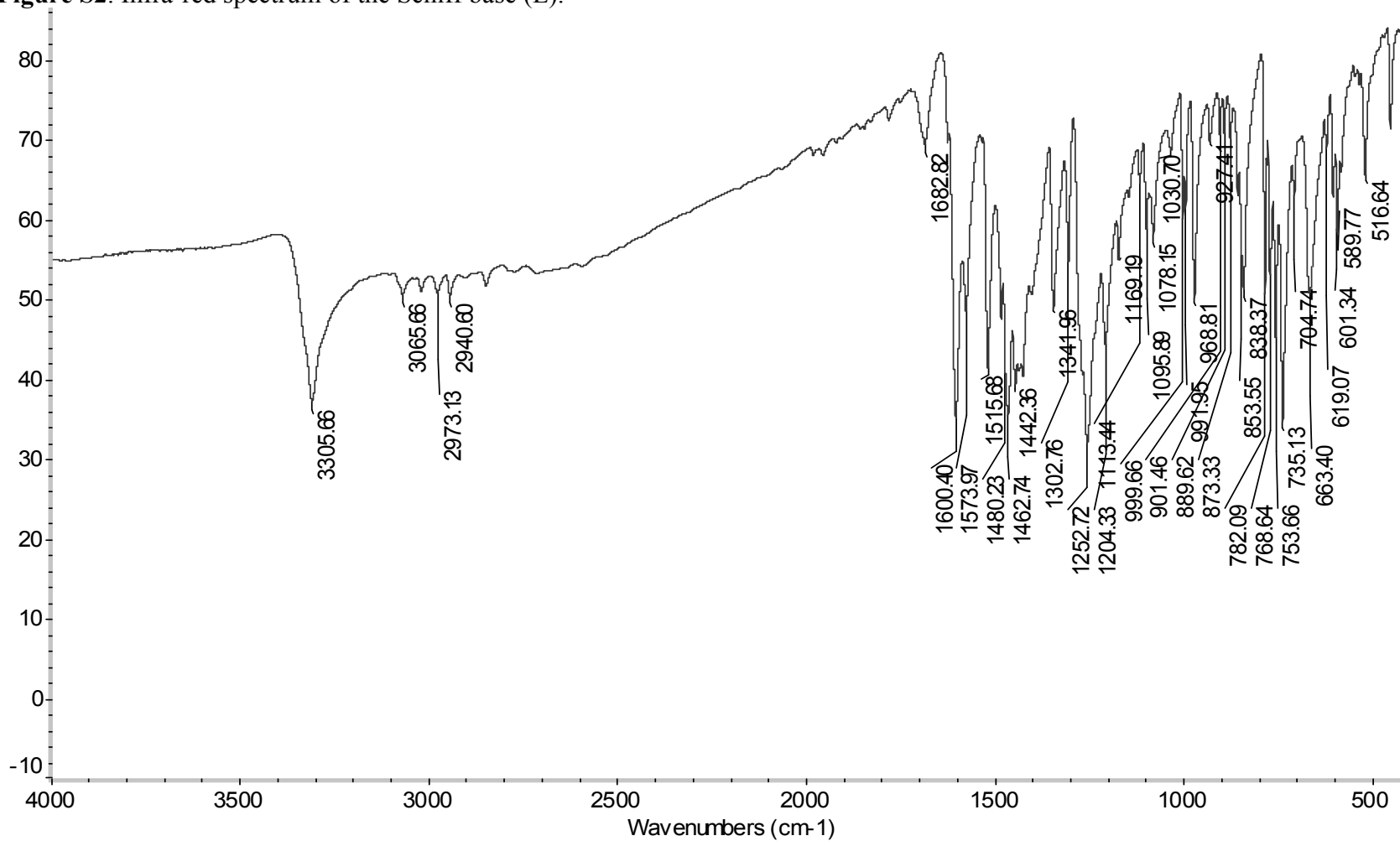


Figure S3. Infra-red spectrum of the copper complex [CuL₂].

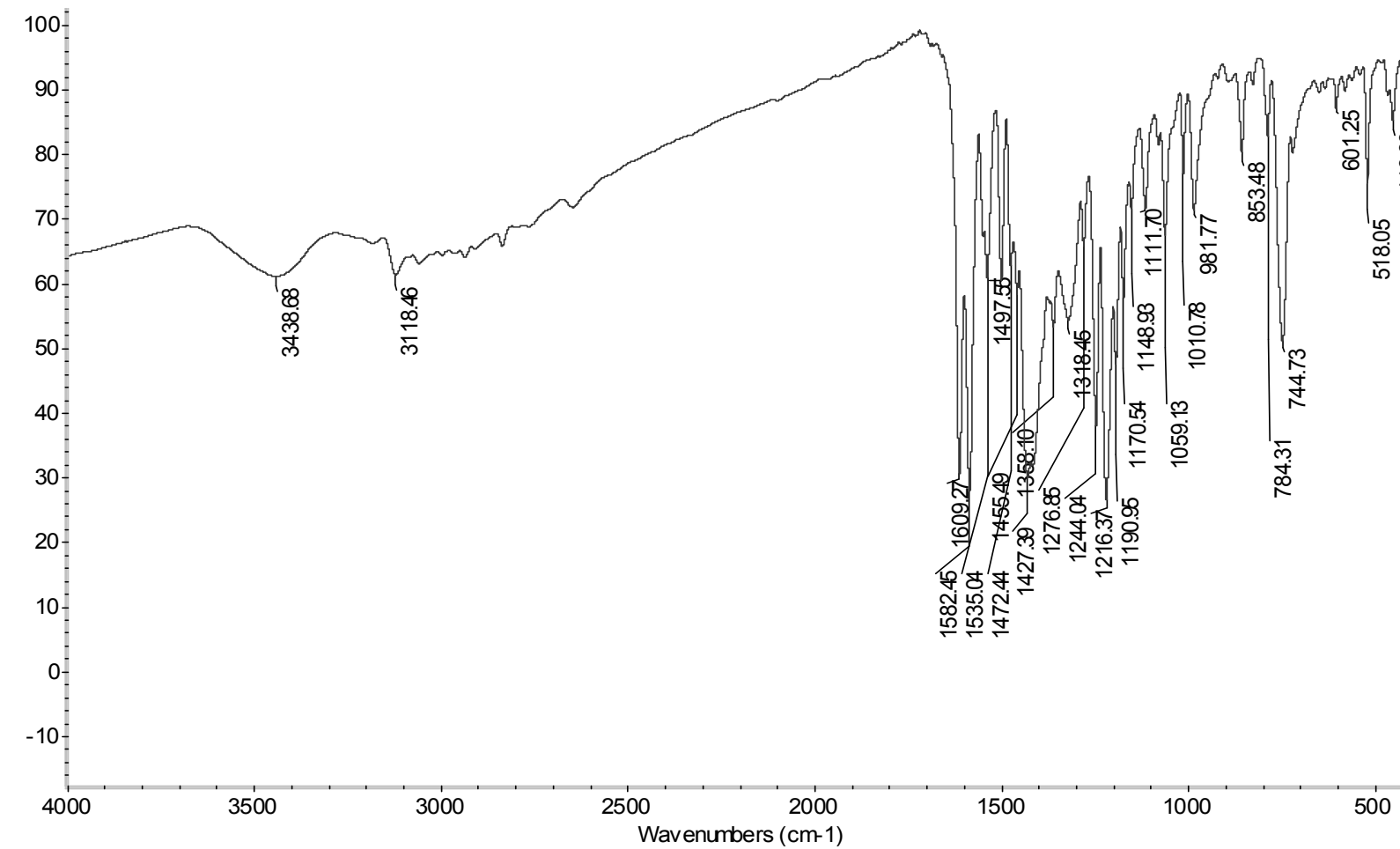


Figure S4. Infra-red spectrum of the zinc complex [**ZnL₂**].

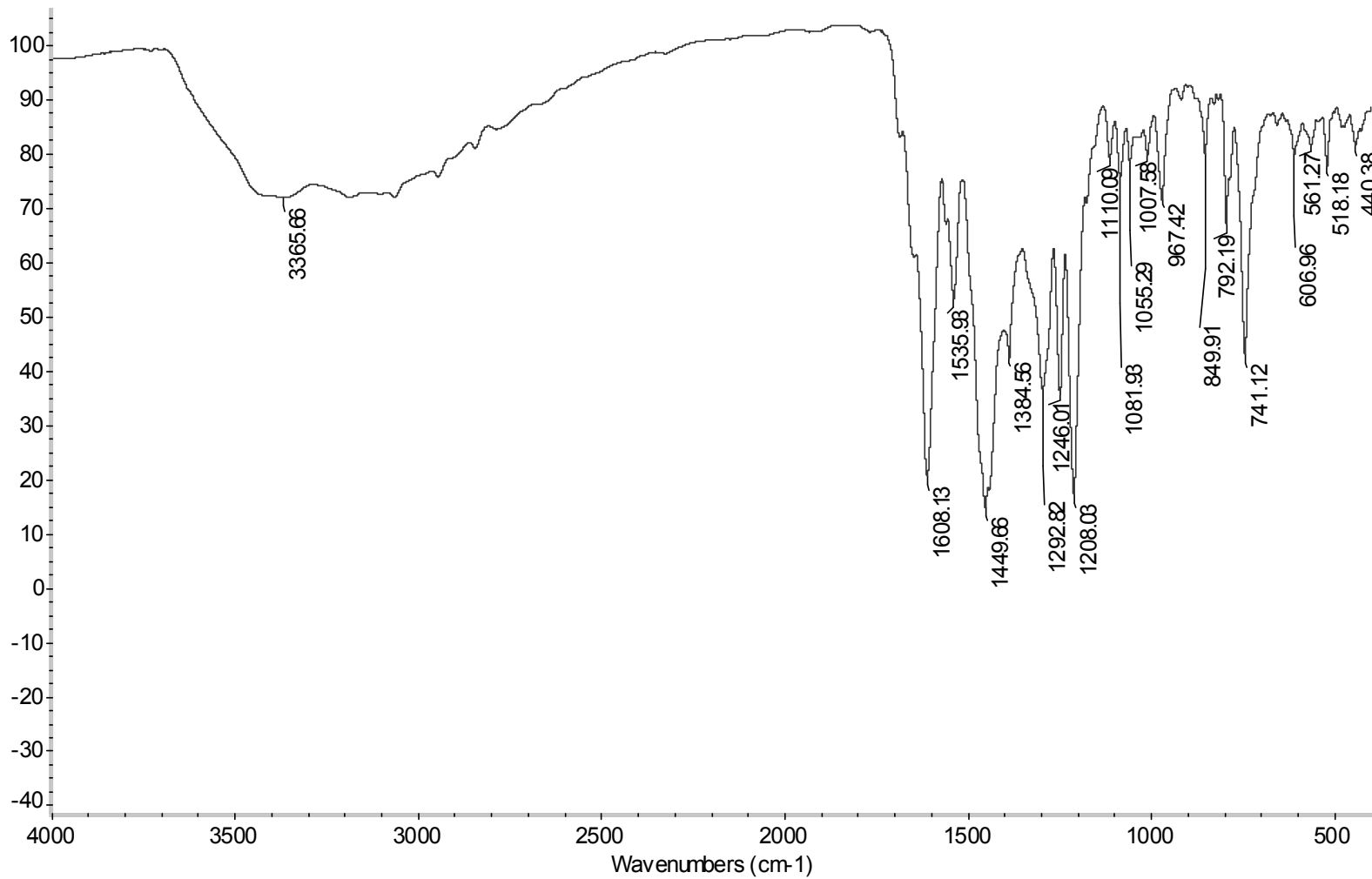


Figure S5. ^1H NMR spectrum of the Schiff base (L).

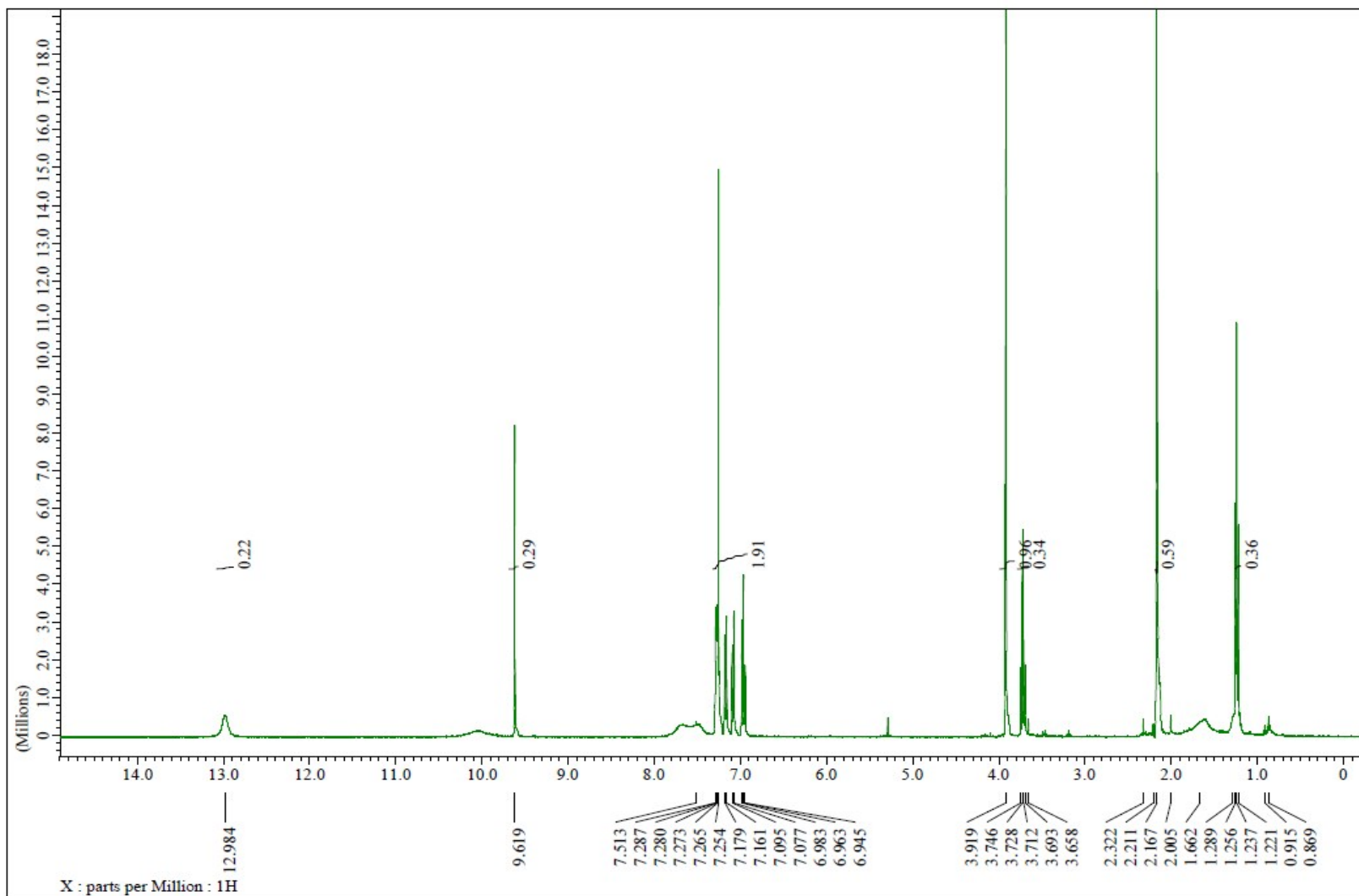


Figure S6. ^{13}C NMR spectrum of the Schiff base (L).

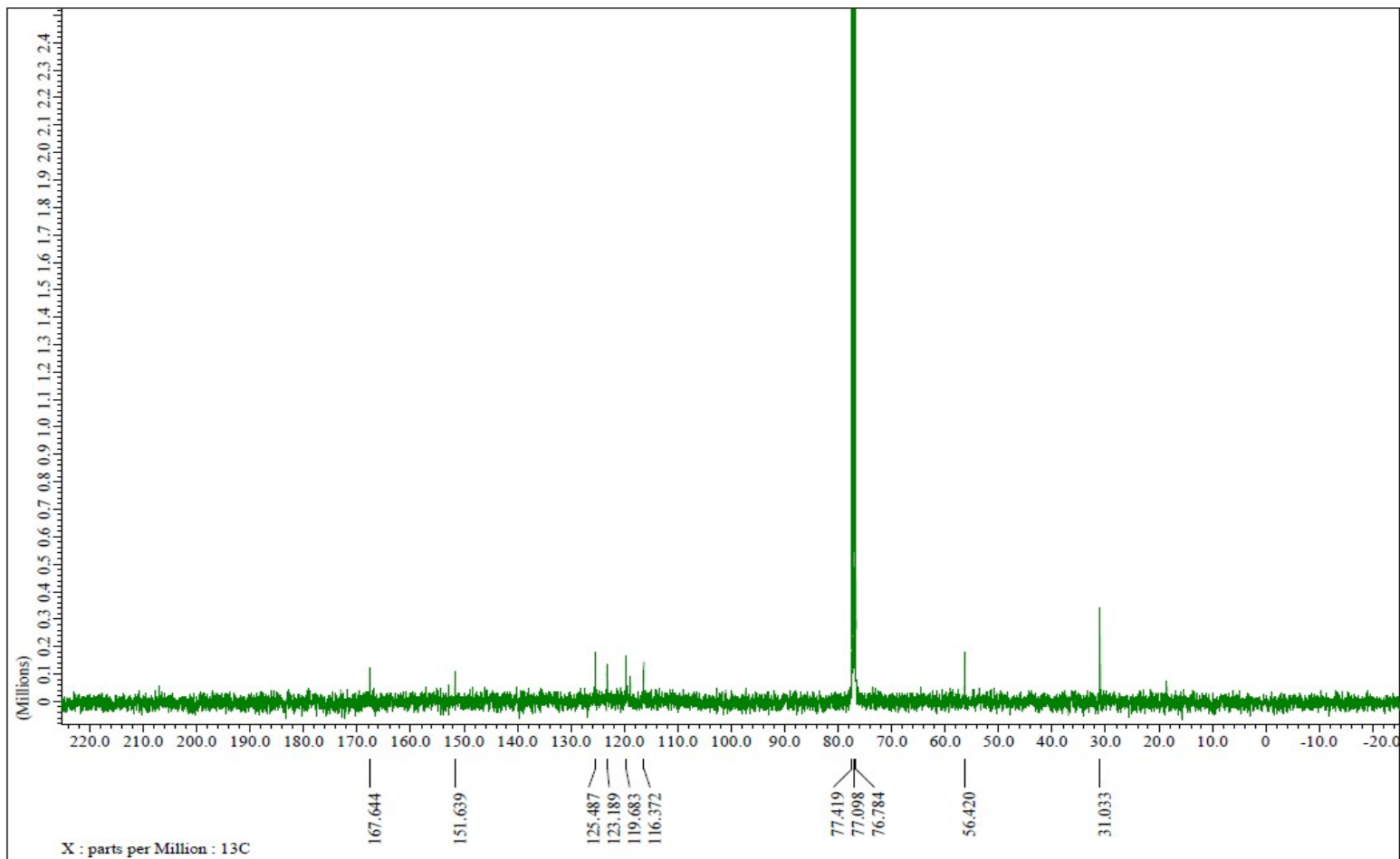


Figure S7. ^1H NMR spectrum of the Zinc complex.

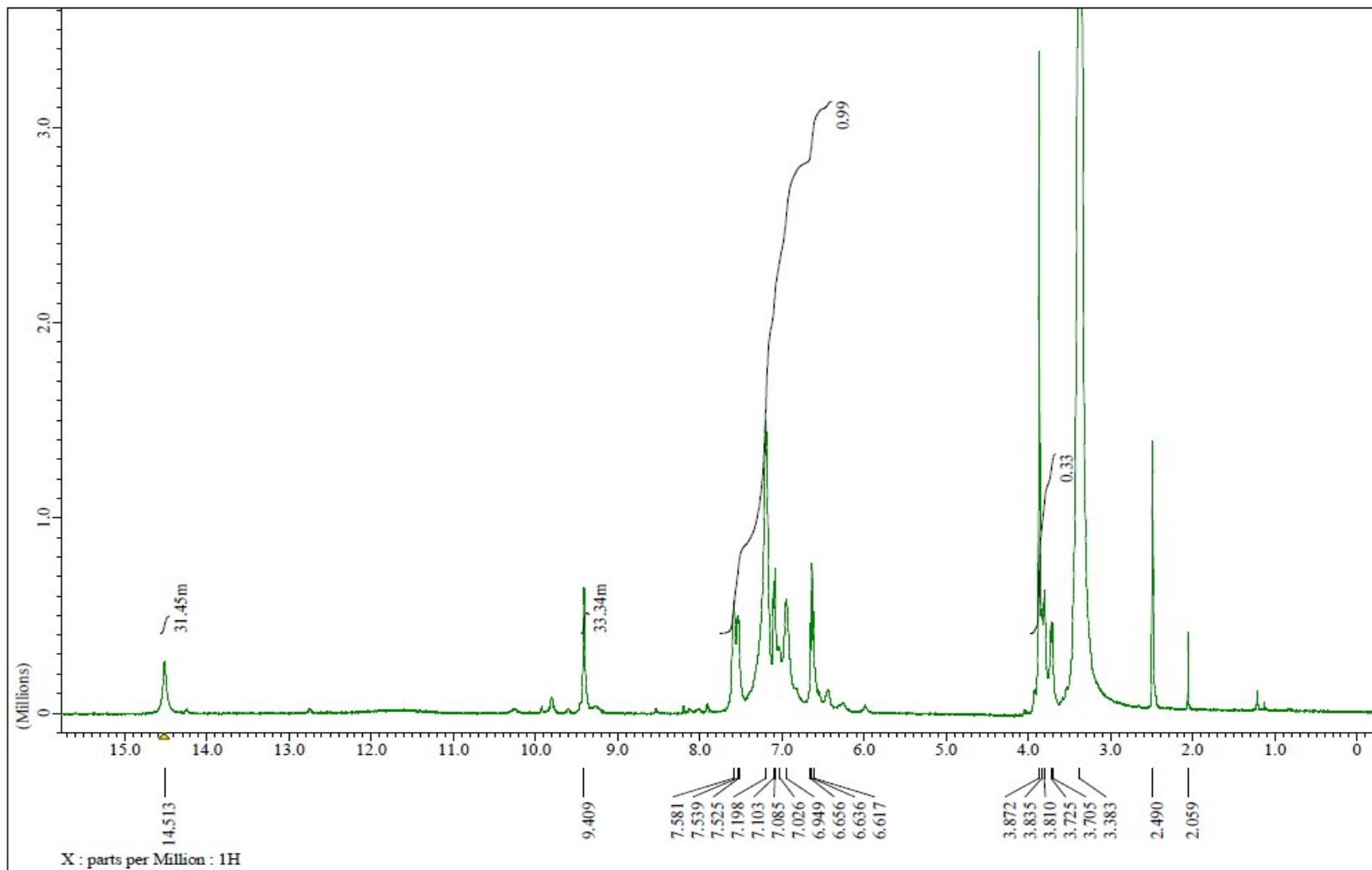


Figure S8. ^{13}C NMR spectrum of the Zinc complex.

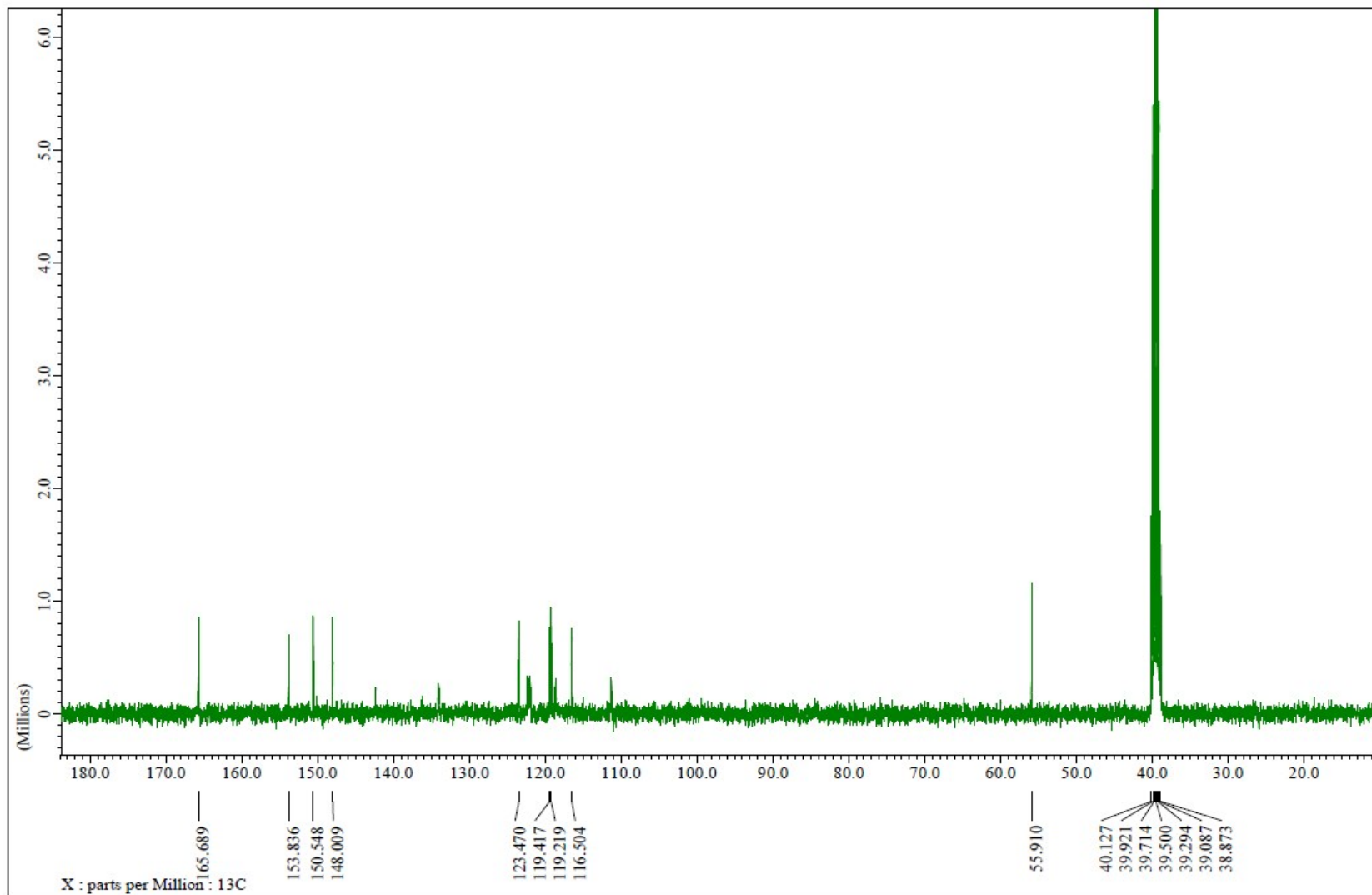


Figure S9. EPR spectrum of the copper(II) complex in solution (DMSO).

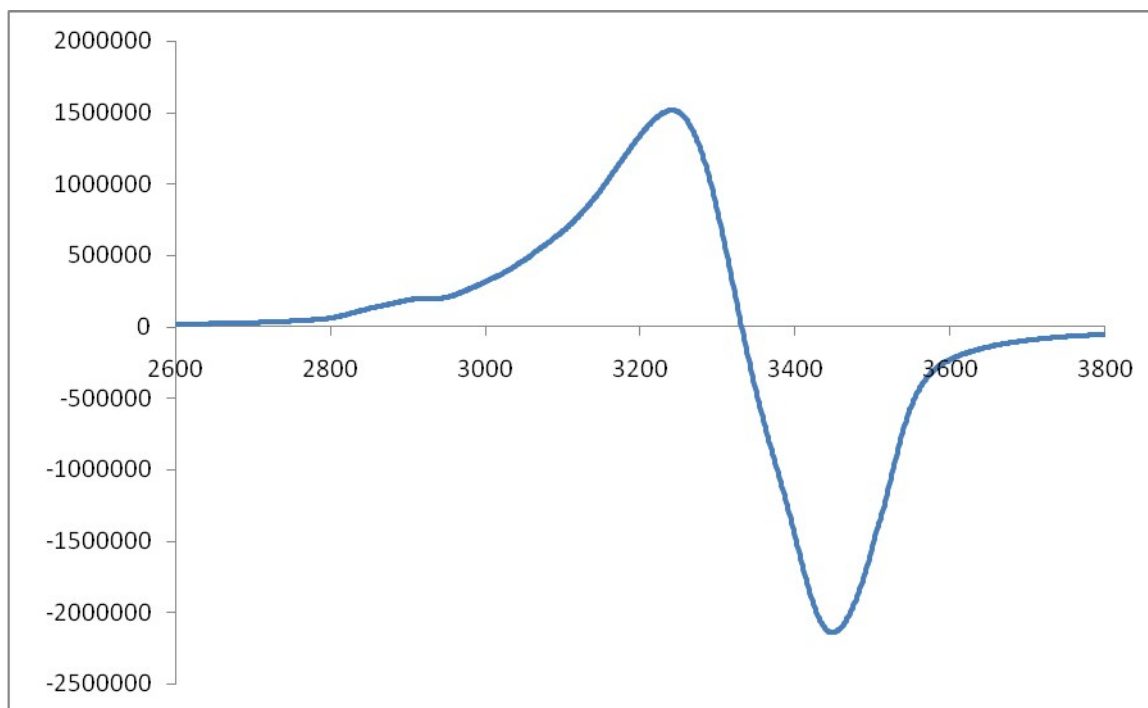


Fig S10. HRMS spectrum of the Schiff base (L).

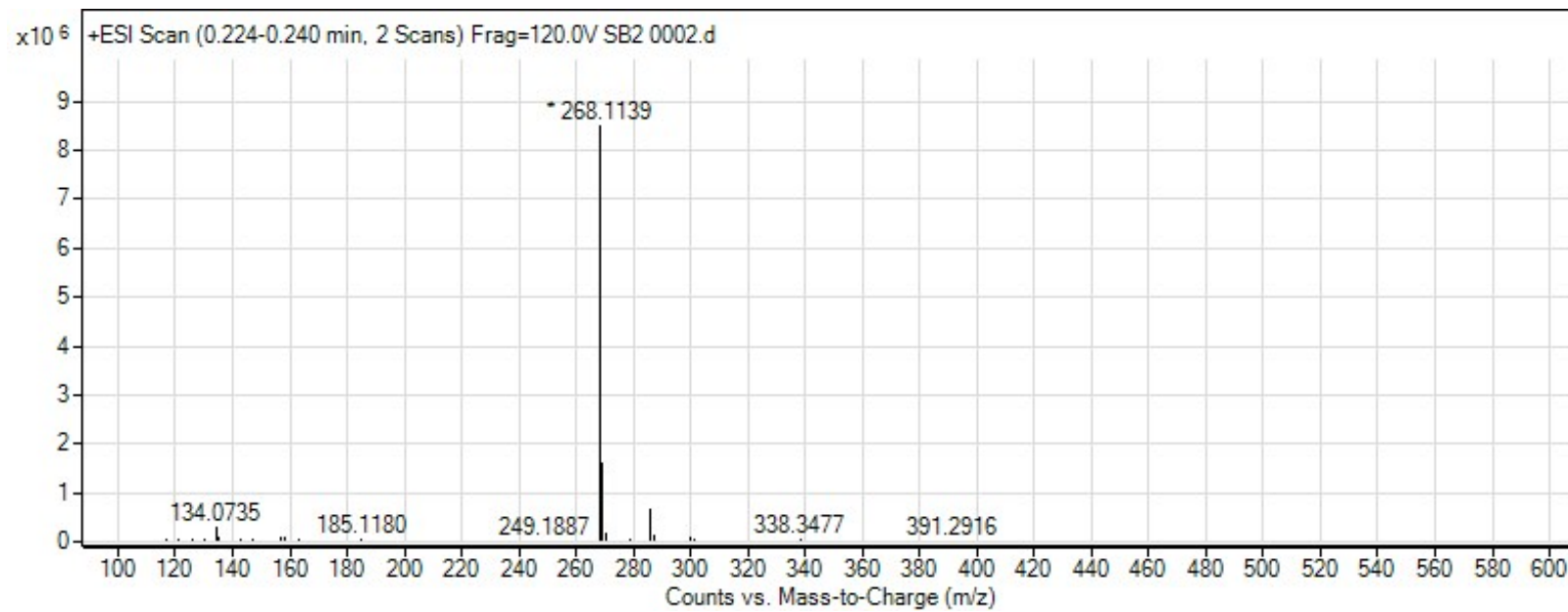


Fig S11. HRMS spectrum of the copper complex.

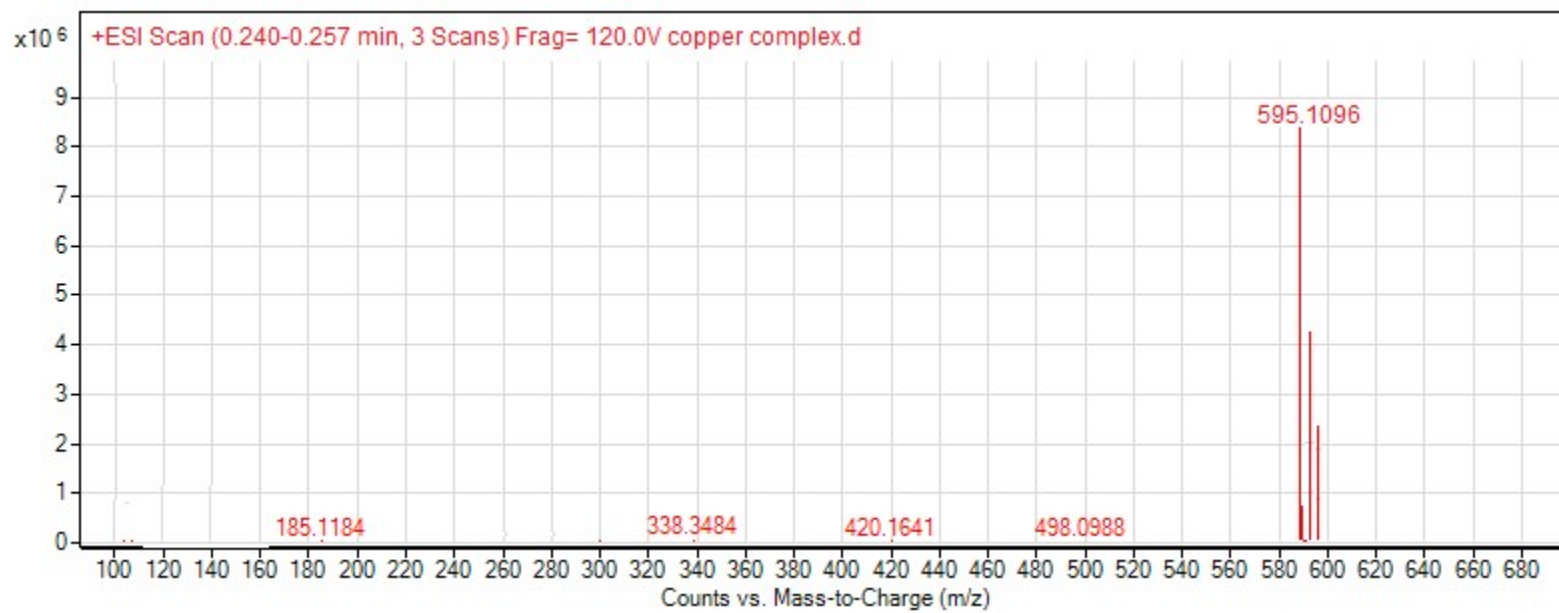


Fig S12. HRMS spectrum of the zinc complex.

