

Supporting Information

Figure S1. FTIR Spectrum of R1

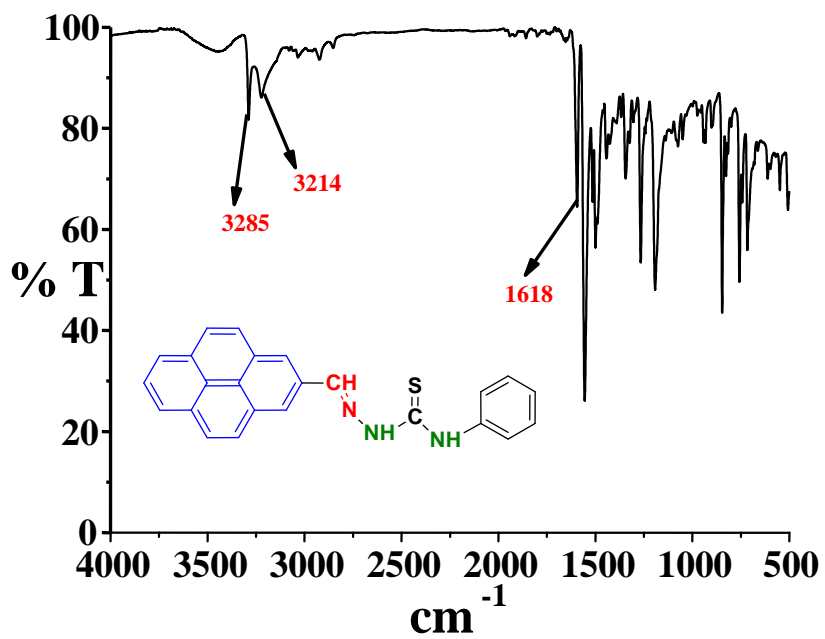


Figure S2. ¹H NMR Spectrum of R1

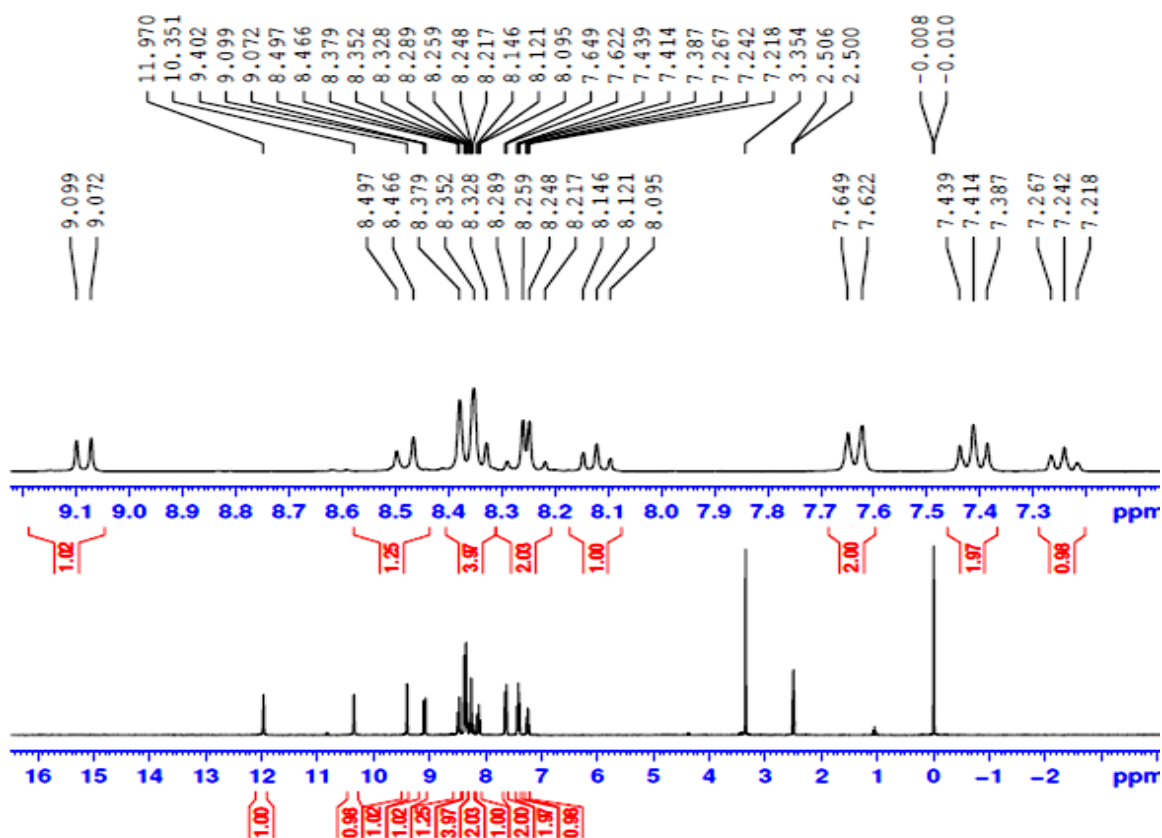


Figure S3. ESI Mass Spectrum of R1

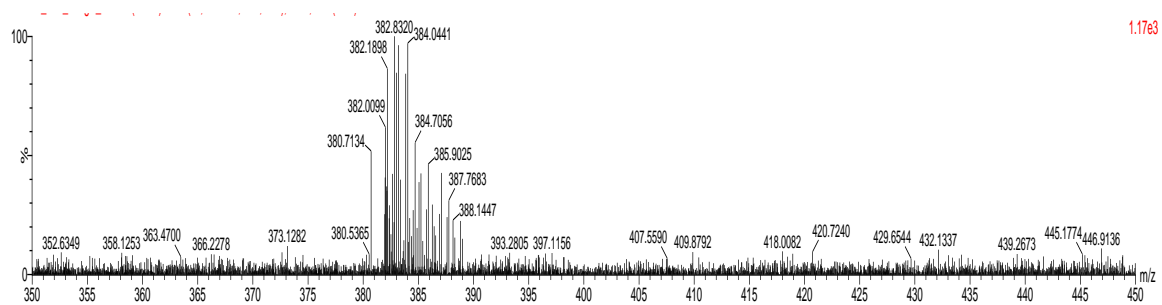


Figure S4. UV-vis spectrum of R1 (5×10^{-5} M, in CH_3CN) upon titration with Hg^{2+} (1.5×10^{-3} M, in CH_3CN) (Inset: Changes of absorbance upon addition of Hg^{2+} ion at 370 nm).

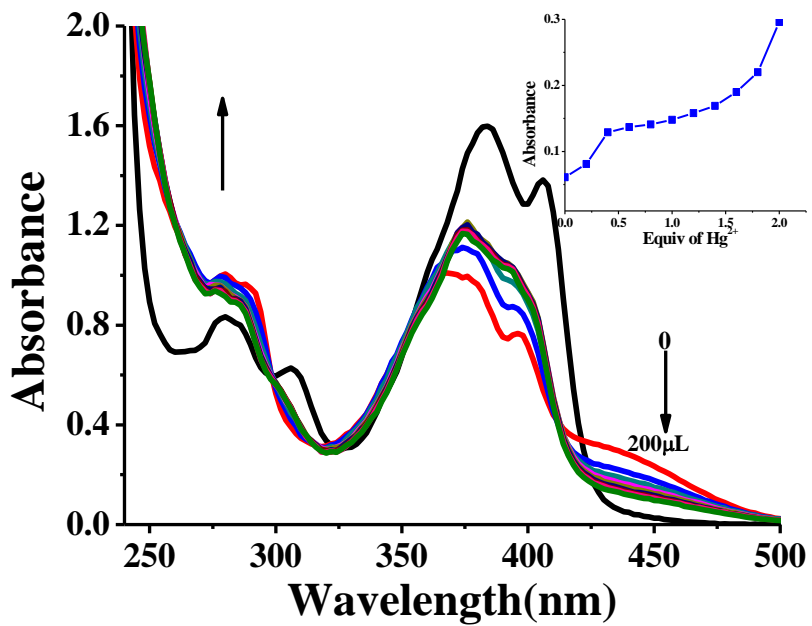


Figure S5. Job's plot of R1 with Cu^{2+} and Hg^{2+} ions

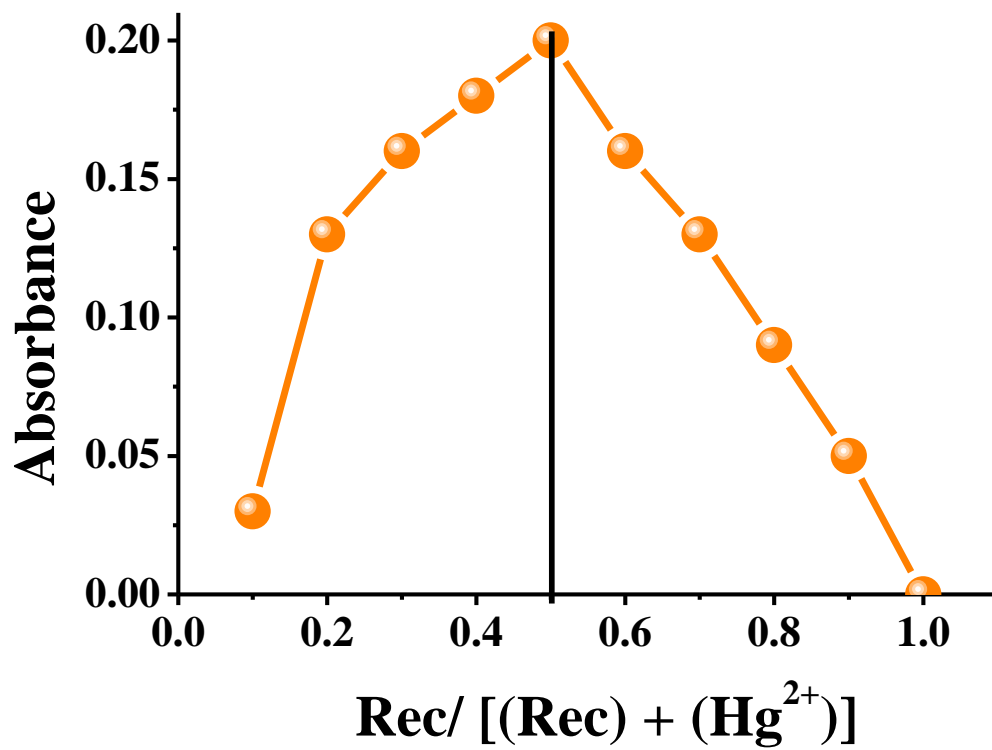
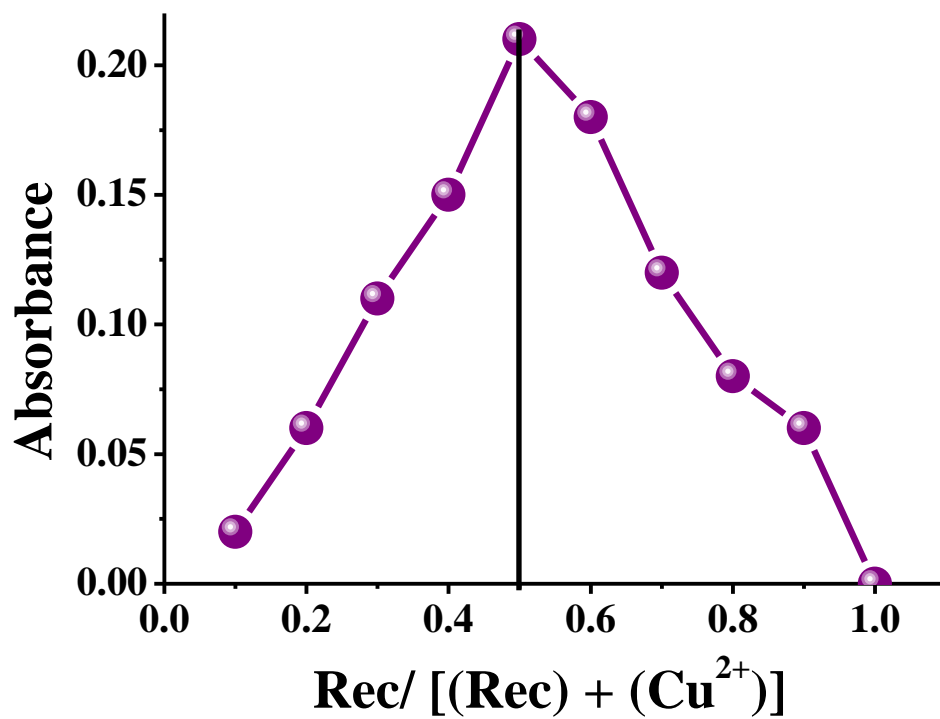


Figure S6. Job's plot of R1 with F⁻ ions and picric acid

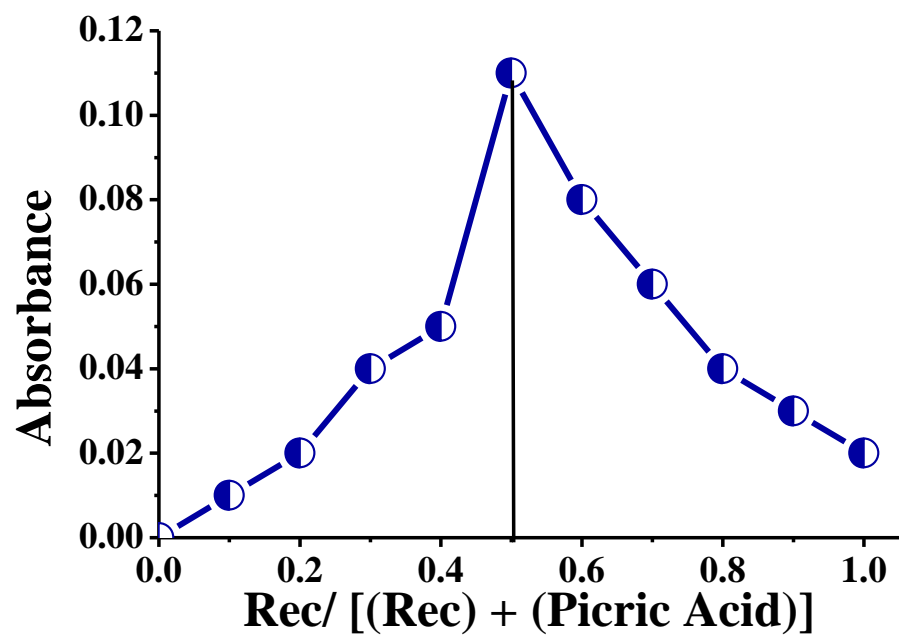
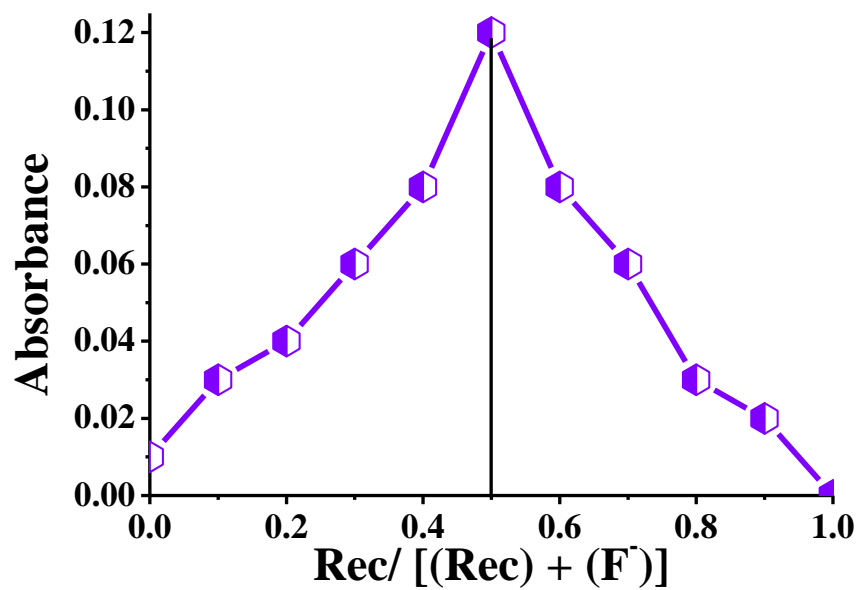


Figure S7. UV-vis spectra of R1 recorded in CH₃CN (5×10^{-5} M) on addition of Cu²⁺ (2 equiv.) and then titration with F⁻ (0-200 μ L)

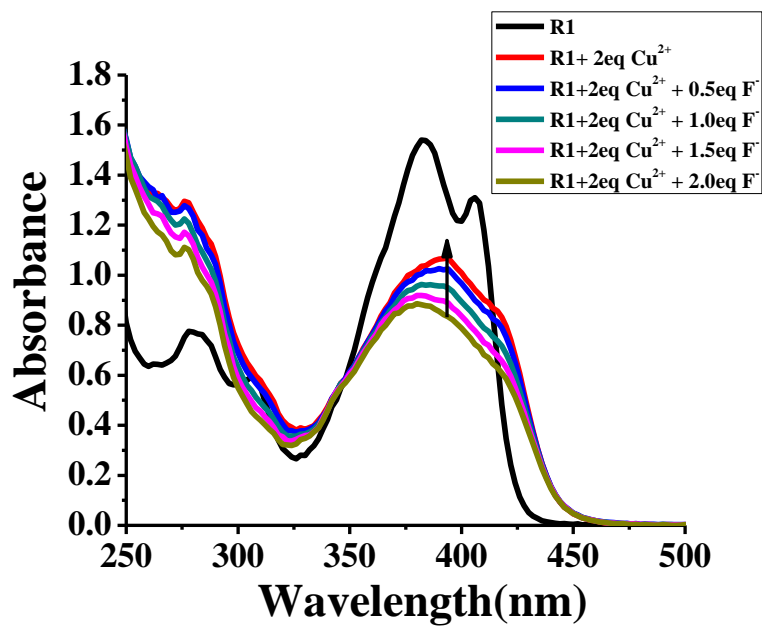


Figure S8. UV-vis spectra of R1 recorded in CH₃CN (5 x 10⁻⁵ M) on addition of F⁻ (2 equiv.) and then titration with Cu²⁺ (0-200μL)

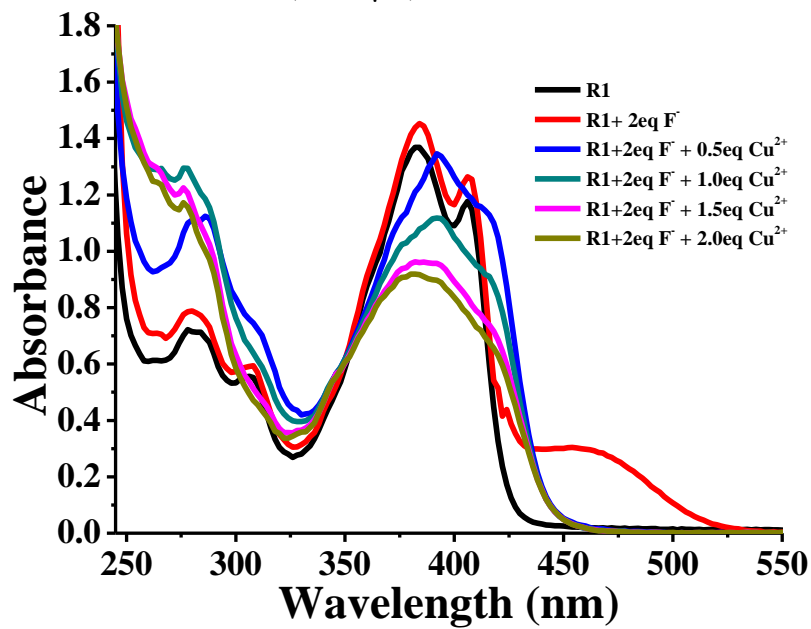


Figure S9. FTIR Spectrum of R1 and R1+complexes

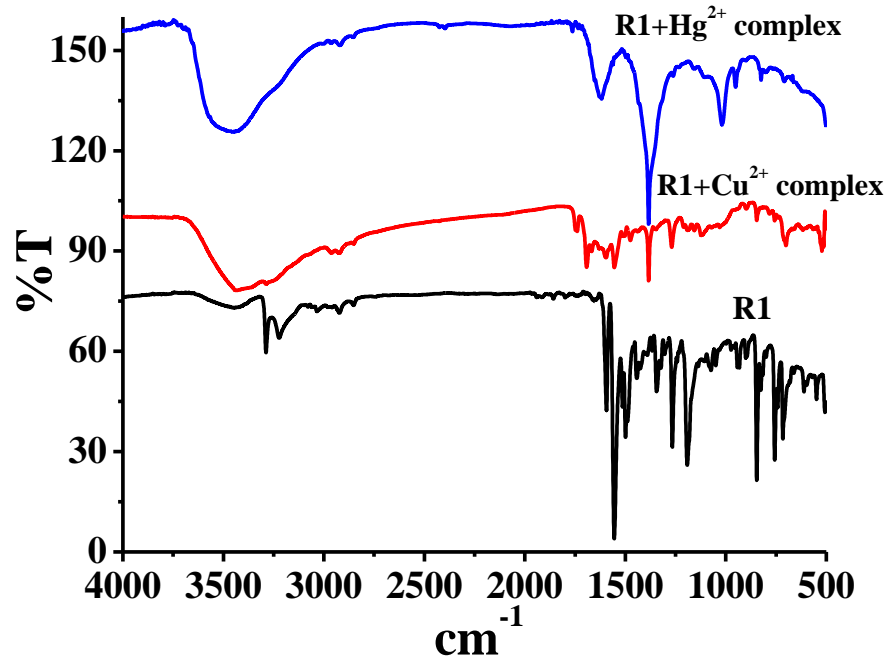


Figure S10. ^1H NMR Spectrum of R1 and R1+complexes

