

Supplementary information

Evaluation of the synthesized novel Iridium (III) complexes against HeLa cell lines through *in-silico* , *in-vitro* and DNA nicking

G. Sathya Priyadarshini ¹, Aathi Muthusankar ², Ramesh Subramani ³, G. Selvi ^{1*}

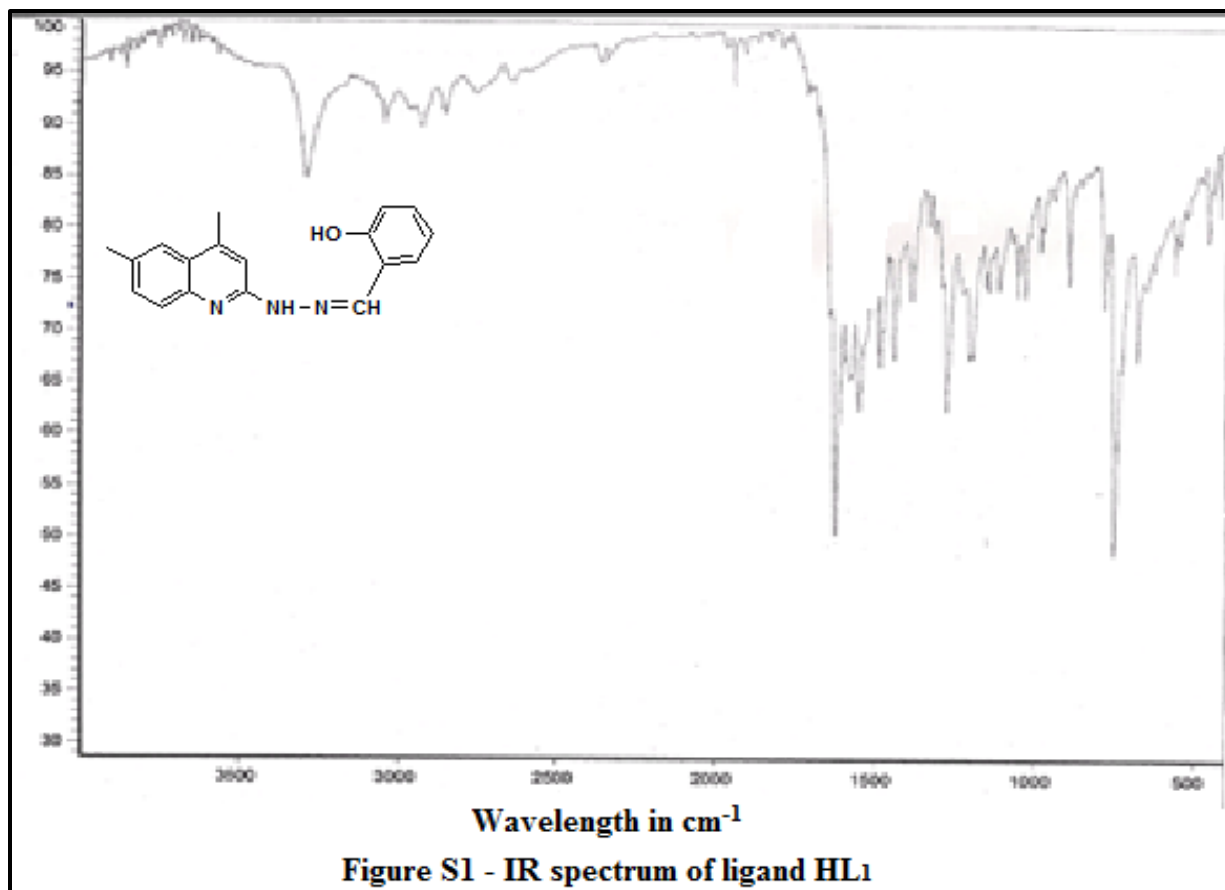
¹ Department of Chemistry, PSGR Krishnammal College for Women, Peelamedu, Coimbatore, India.

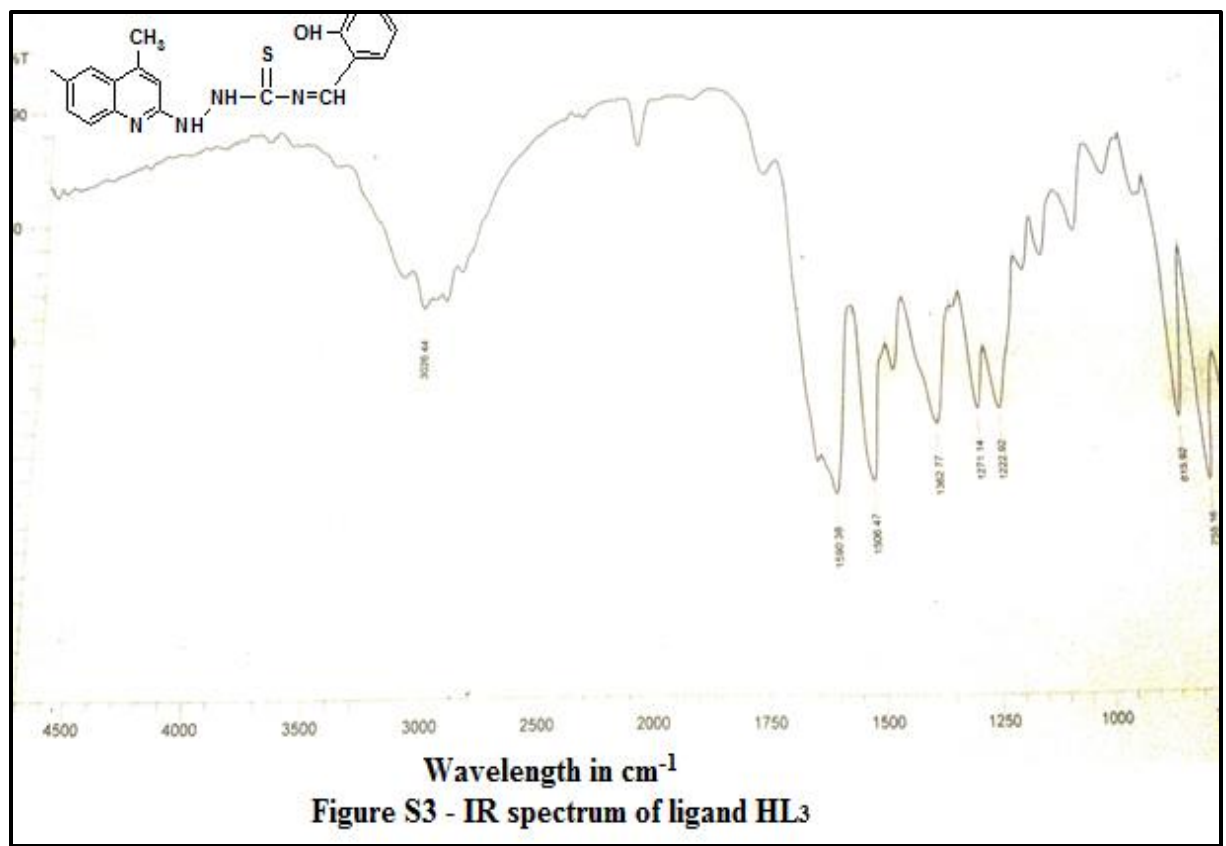
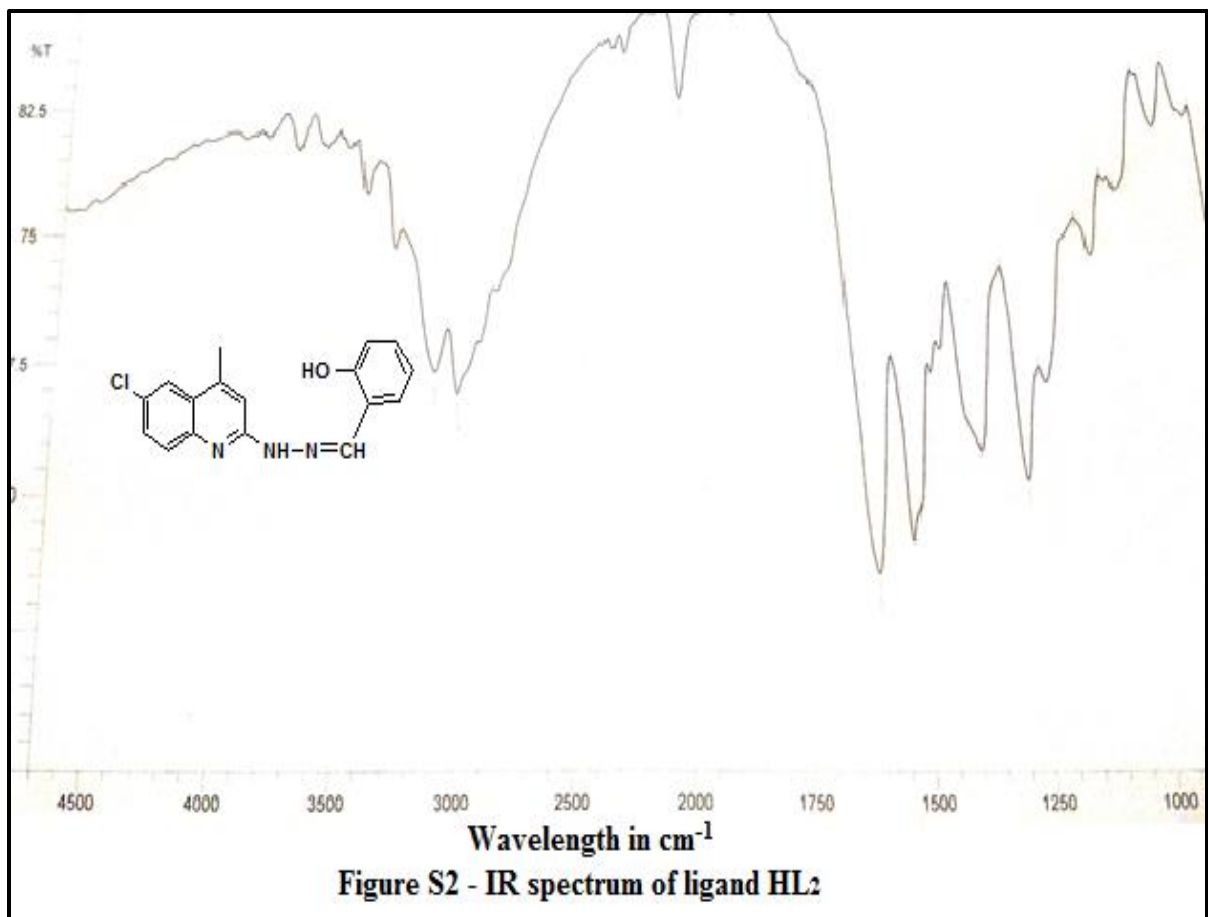
² Membrane Protein Biology Group, International Centre for Genetic Engineering and Biotechnology, New Delhi 110067, India.

³ Department of Food Processing Technology & Management, PSGR Krishnammal College for Women, Peelamedu, Coimbatore, India.

*Email: selvig@psgrkcw.ac.in

FT-IR spectrum: From Figure S1 to S4 is corresponding the FT-IR spectrum of HL₁ –HL₄ and Figure S5 to S8 is corresponding the FT-IR spectrum of 1a–1b, 2a-2b.





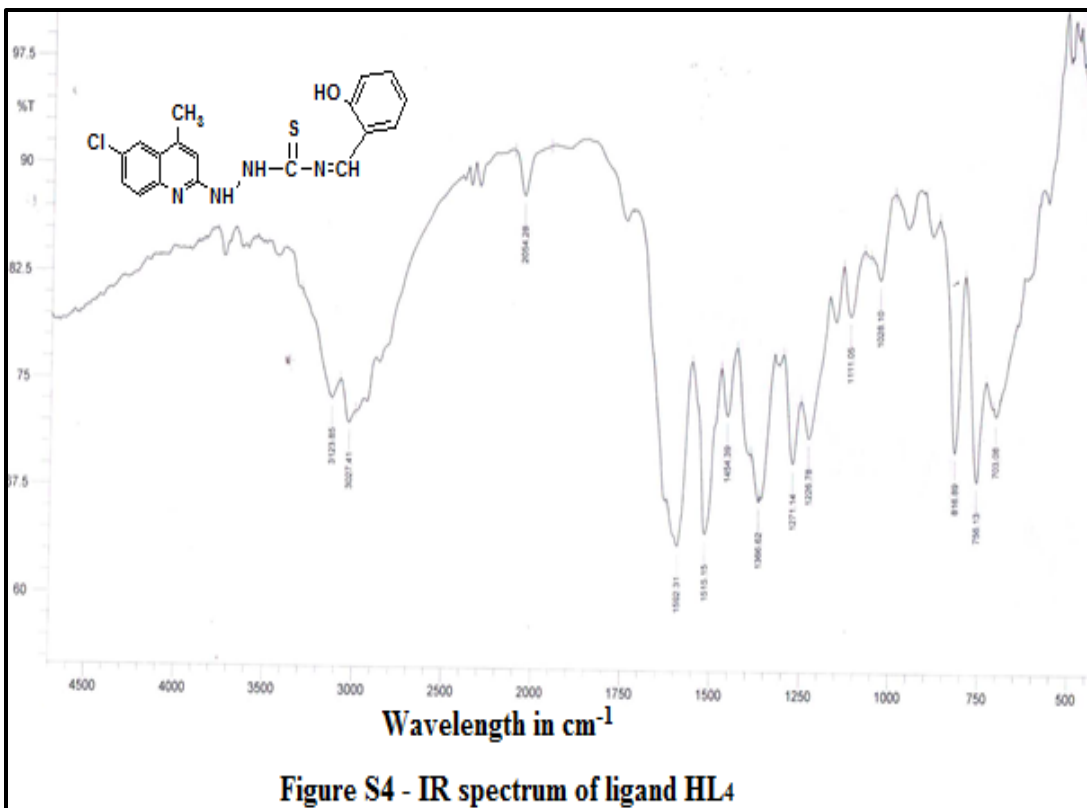
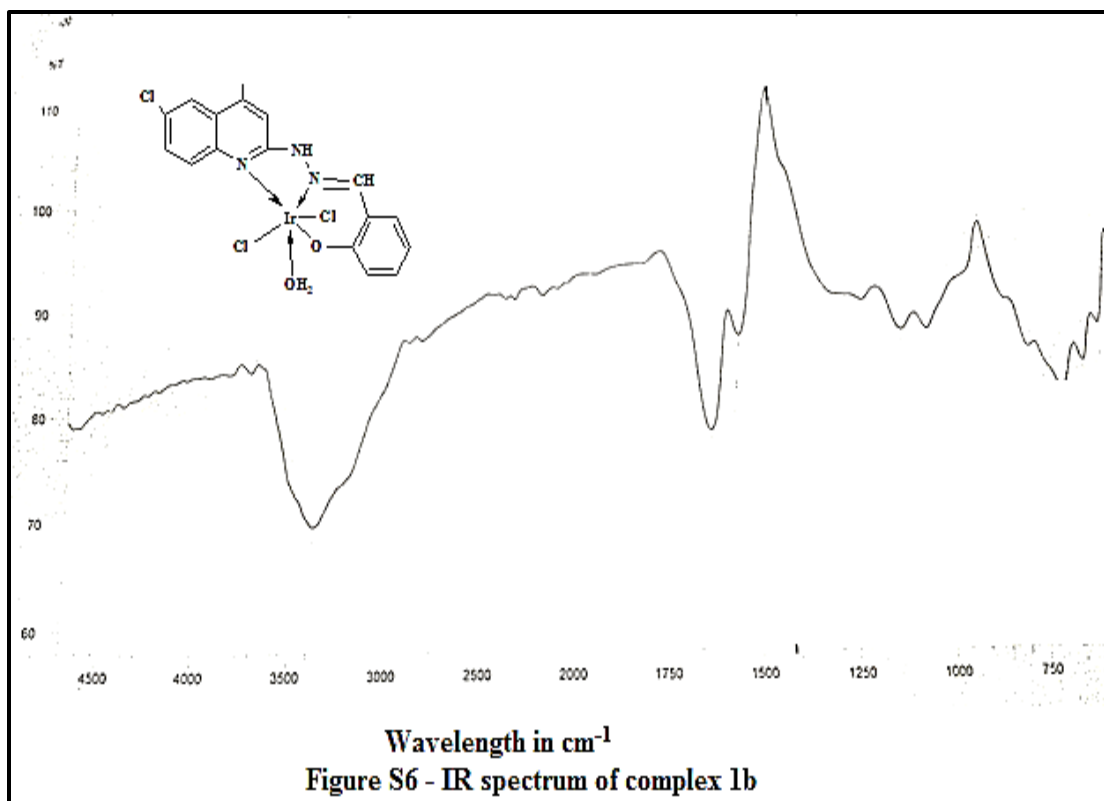
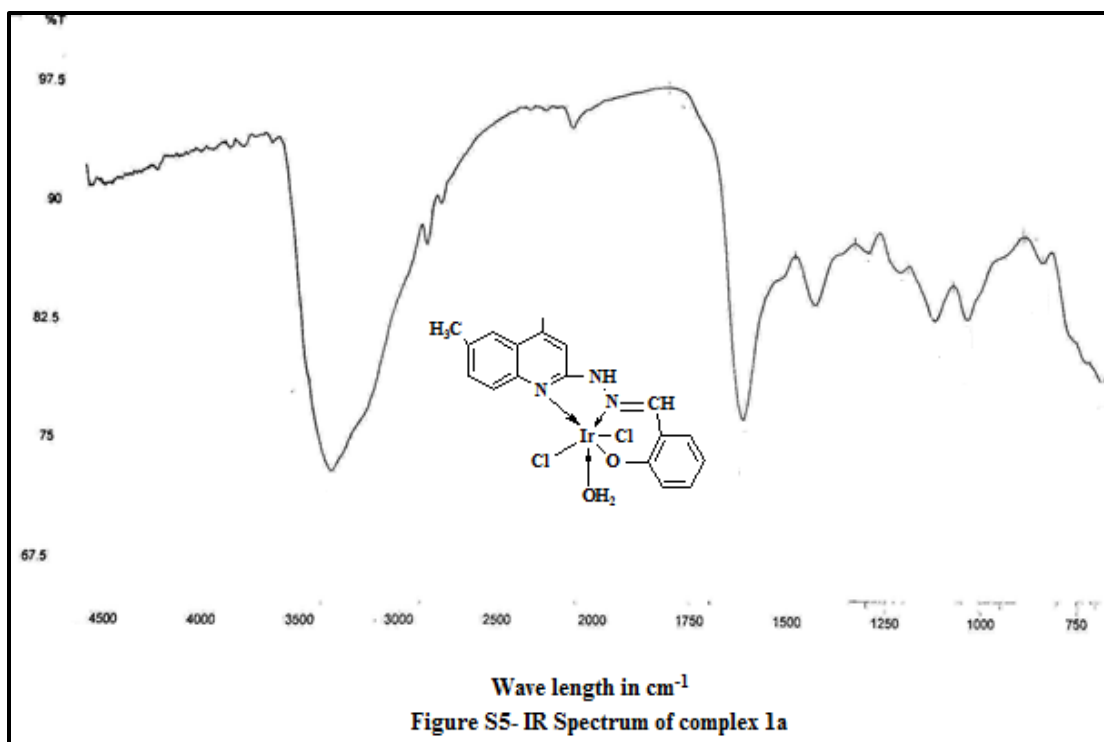
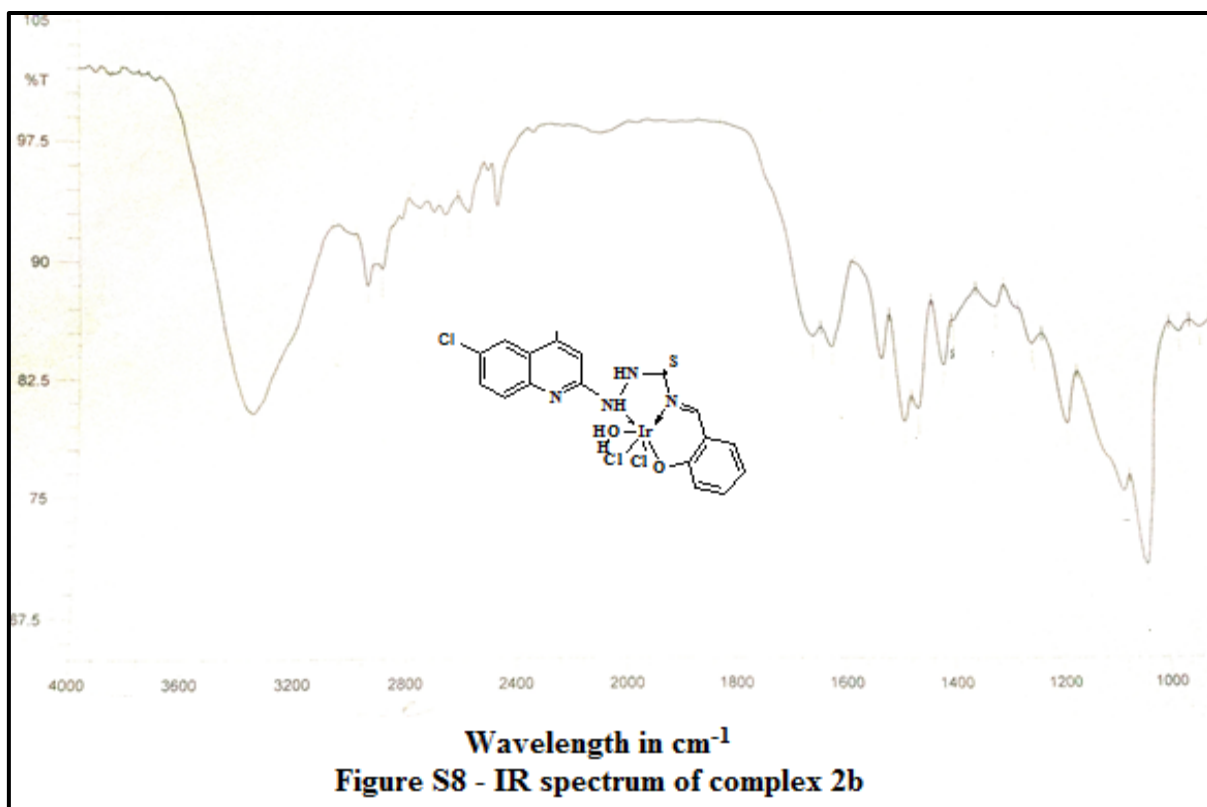
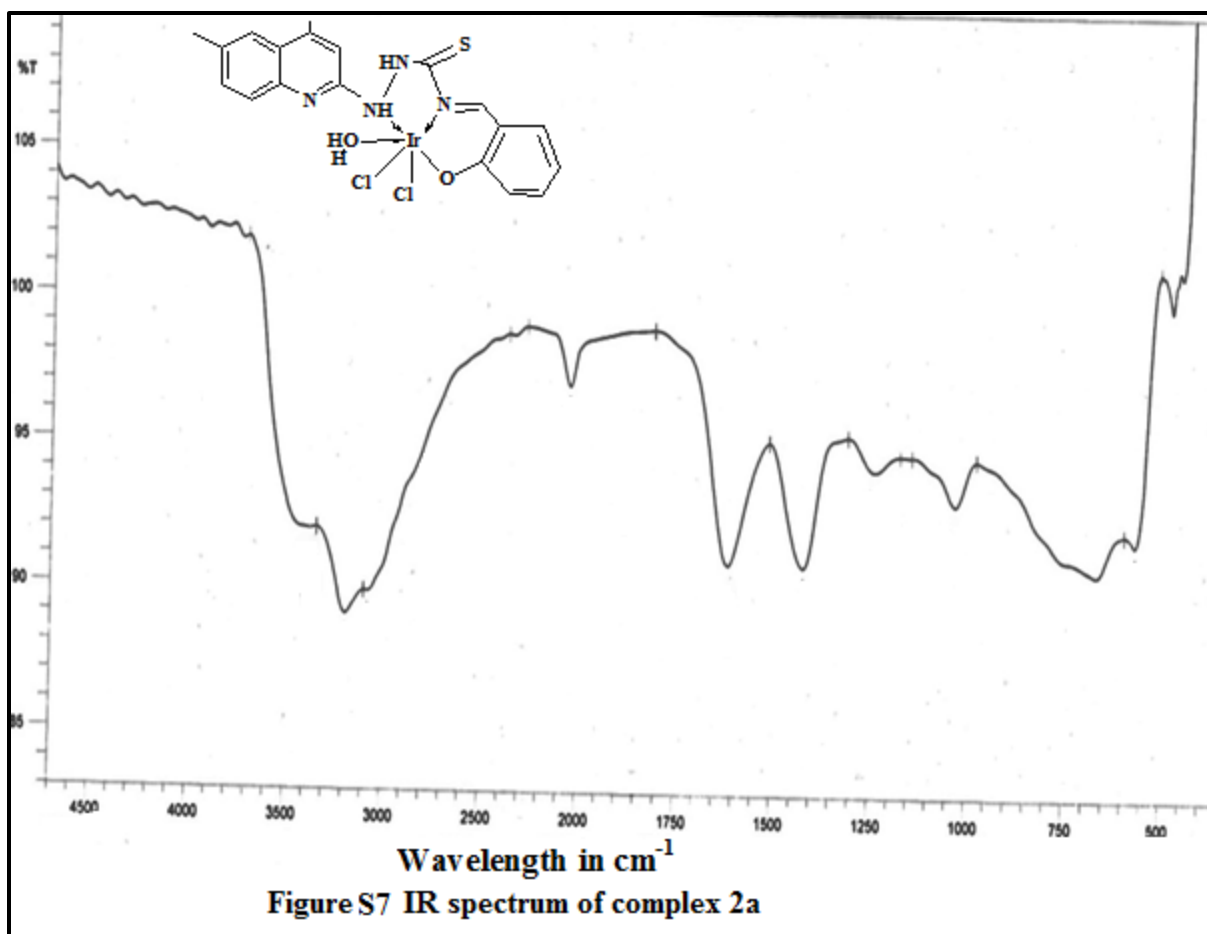


Figure S4 - IR spectrum of ligand HL4





¹H- NMR spectrum: From Figure S9 to S12 is corresponding the ¹H- NMR spectrum of HL₁ – HL₄ and Figure S13 to S16 is corresponding the ¹H- NMR spectrum of 1a–1b, 2a-2b .

