

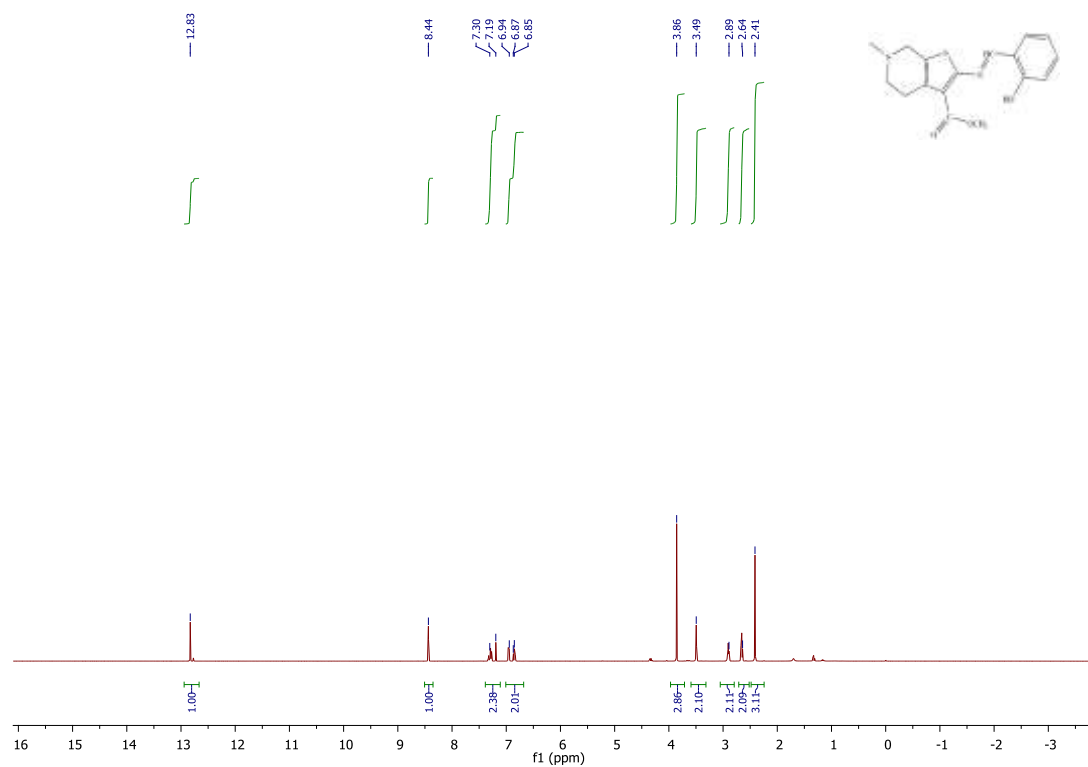


Fig. S1: ¹H-NMR spectra of ligand.

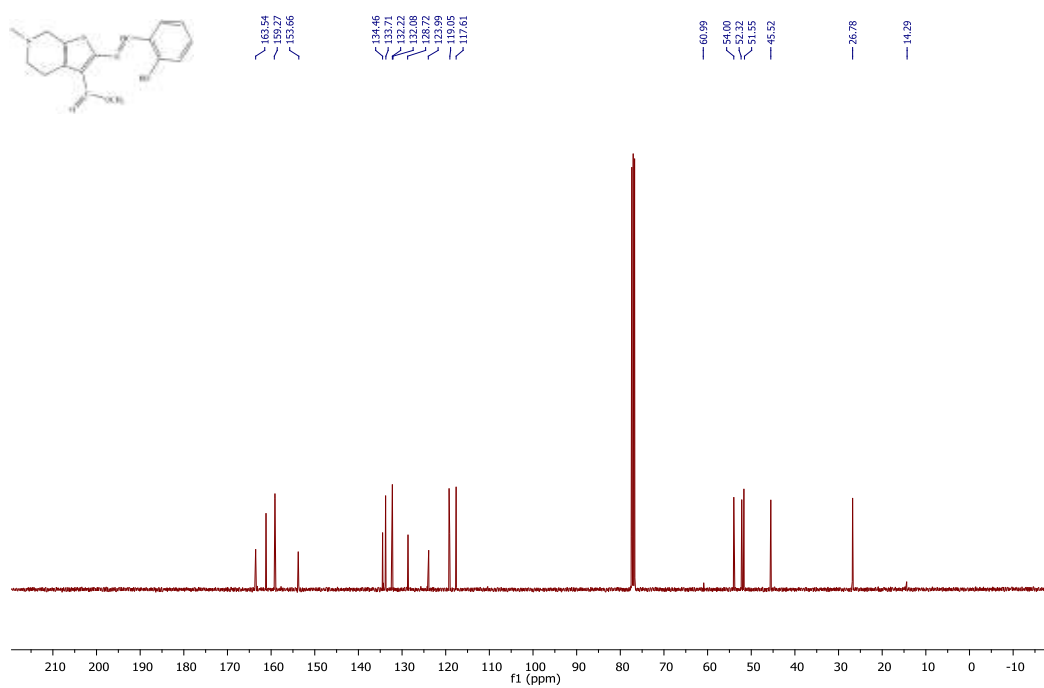


Fig. S2: ¹³C-NMR spectra of ligand.

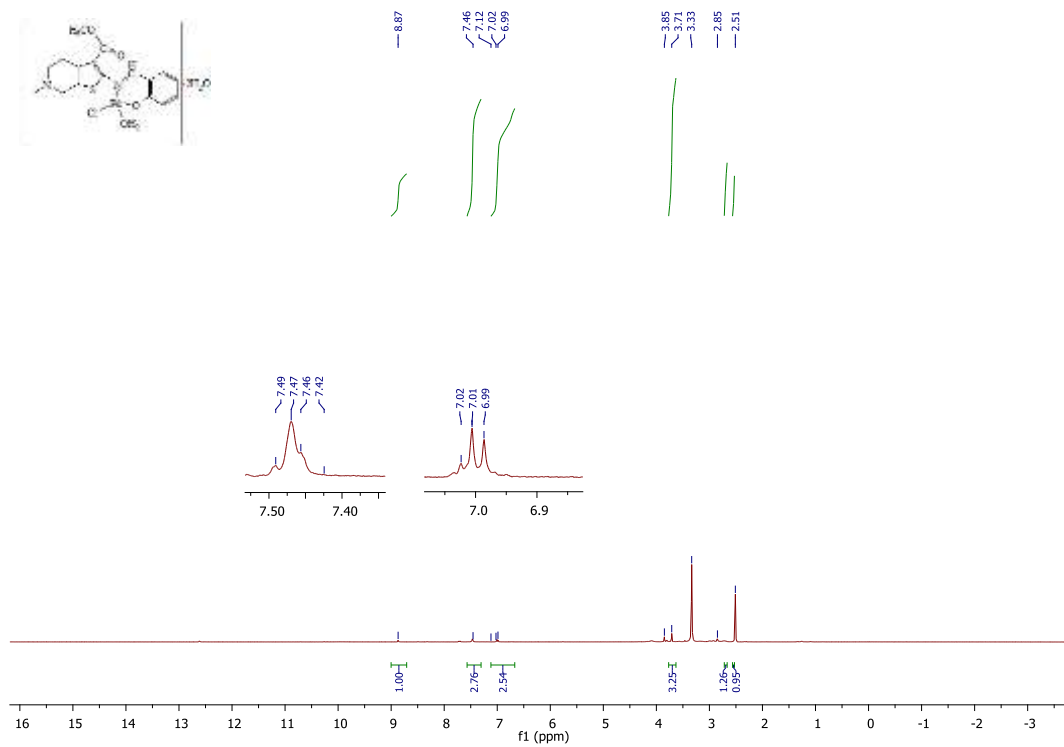


Fig. S3: $^1\text{H-NMR}$ spectra of Pd(II) complex.

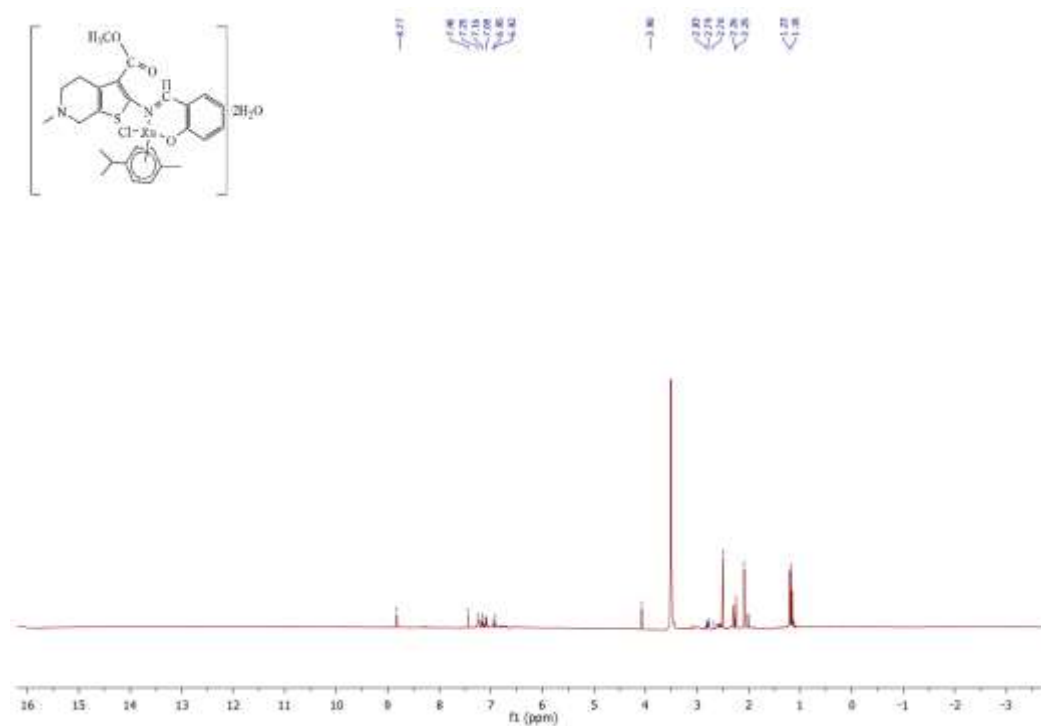


Fig. S4: $^1\text{H-NMR}$ spectra of Ru(II) complex.

FT-IR spectra of compounds

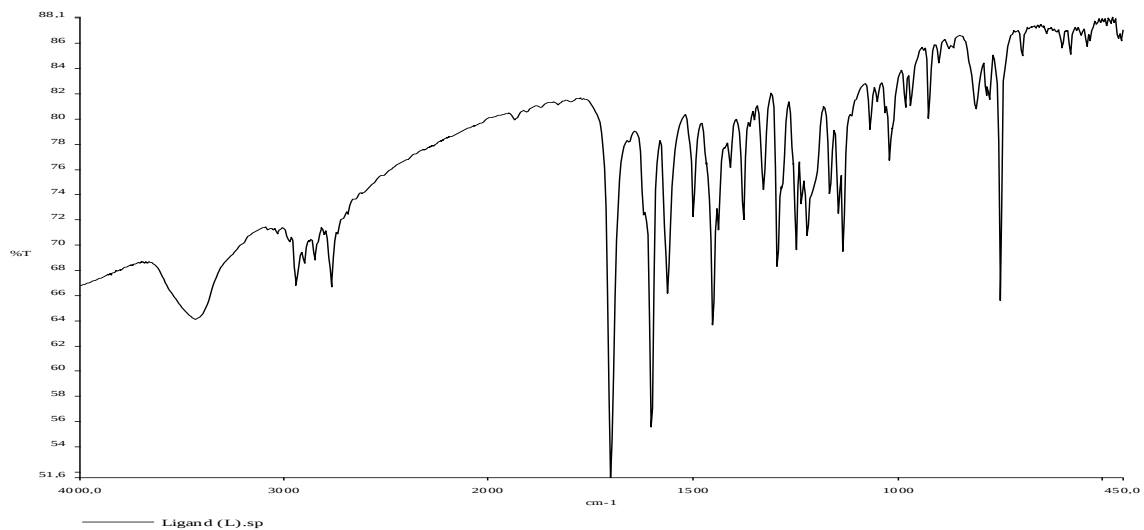


Fig. S5: FT-IR spectra of ligand.

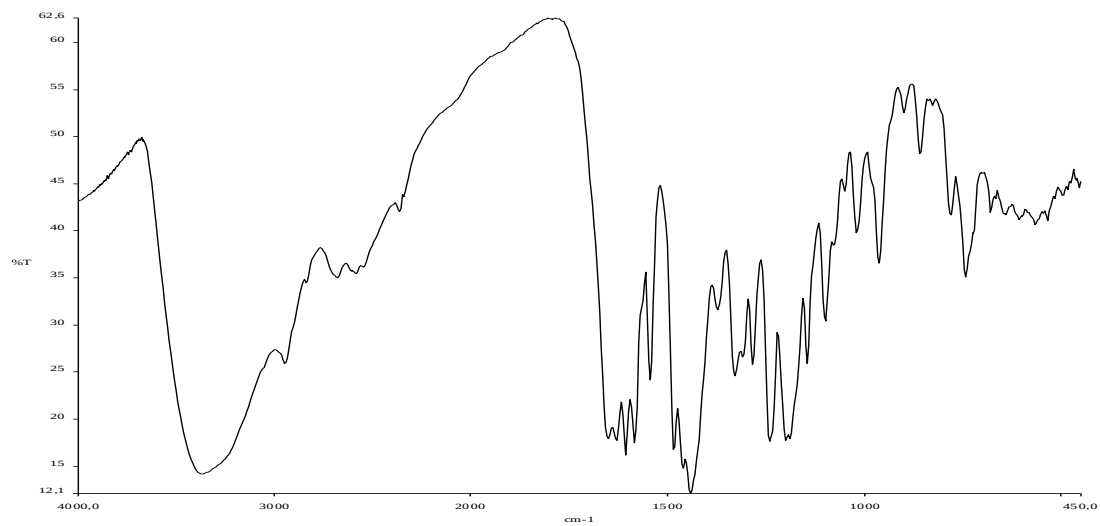


Fig. S6: FT-IR spectra of Fe(II) complex.

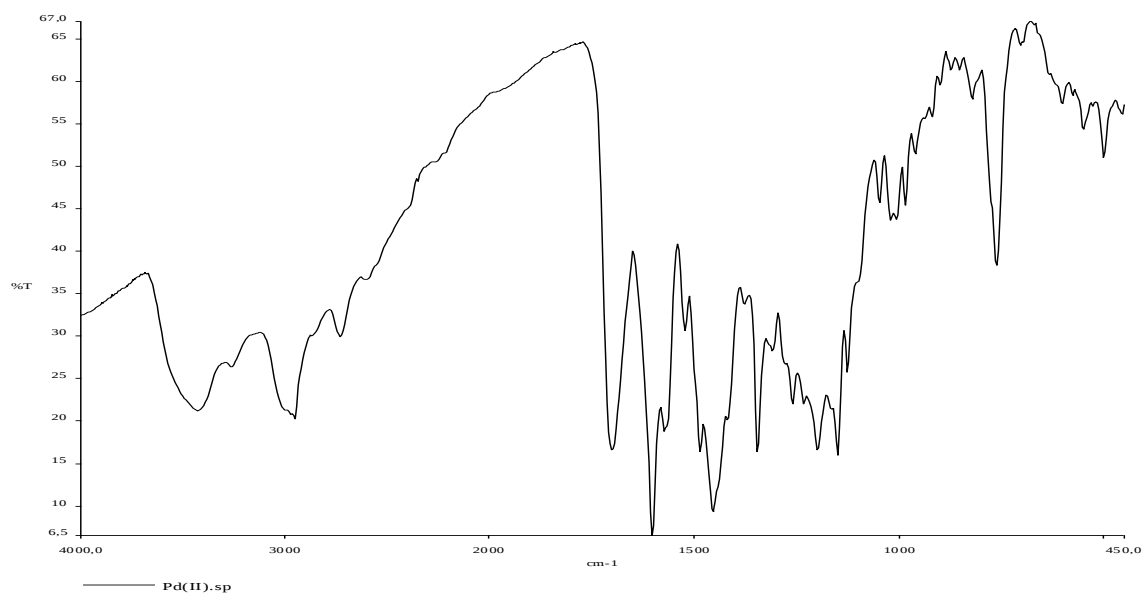


Fig. S7: FT-IR spectra of Pd(II) complex.

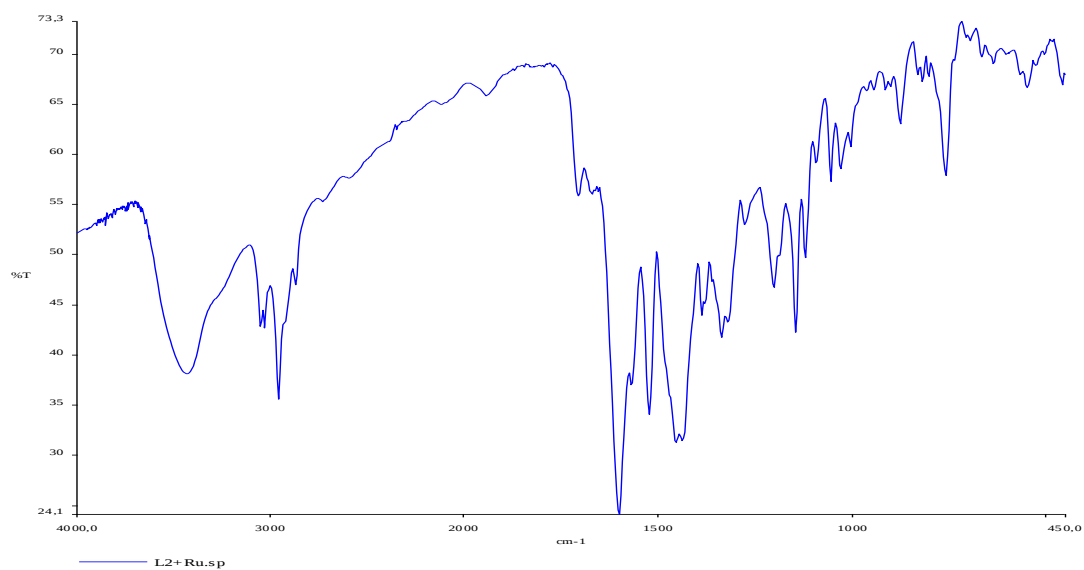


Fig. S8. FT-IR spectra of Ru(II) complex.

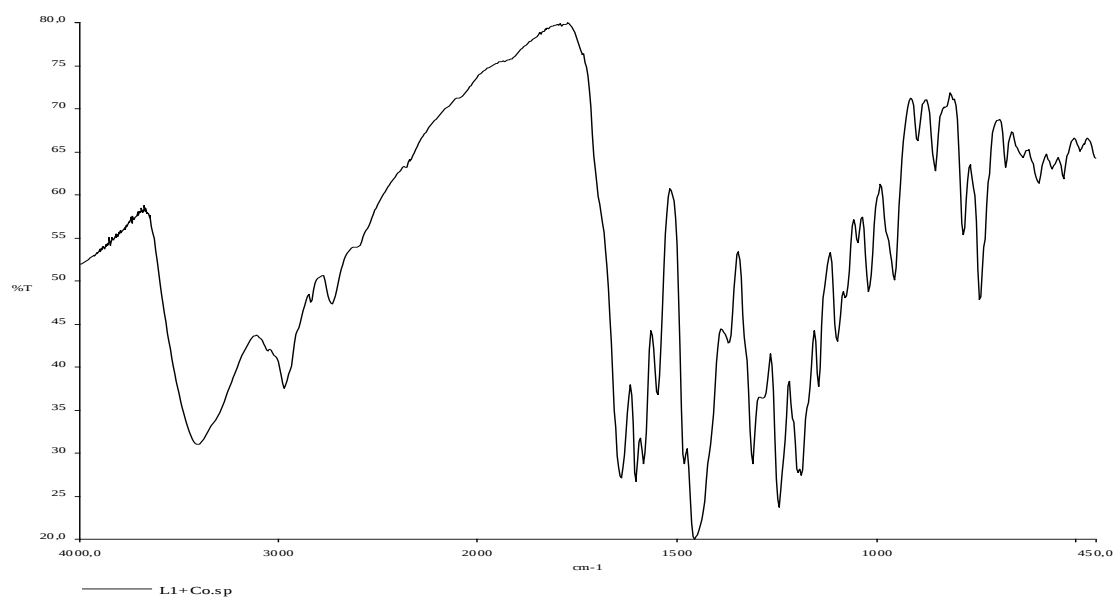


Fig. S9: FT-IR spectra of Co(II) complex.

Mass spectral data of compounds

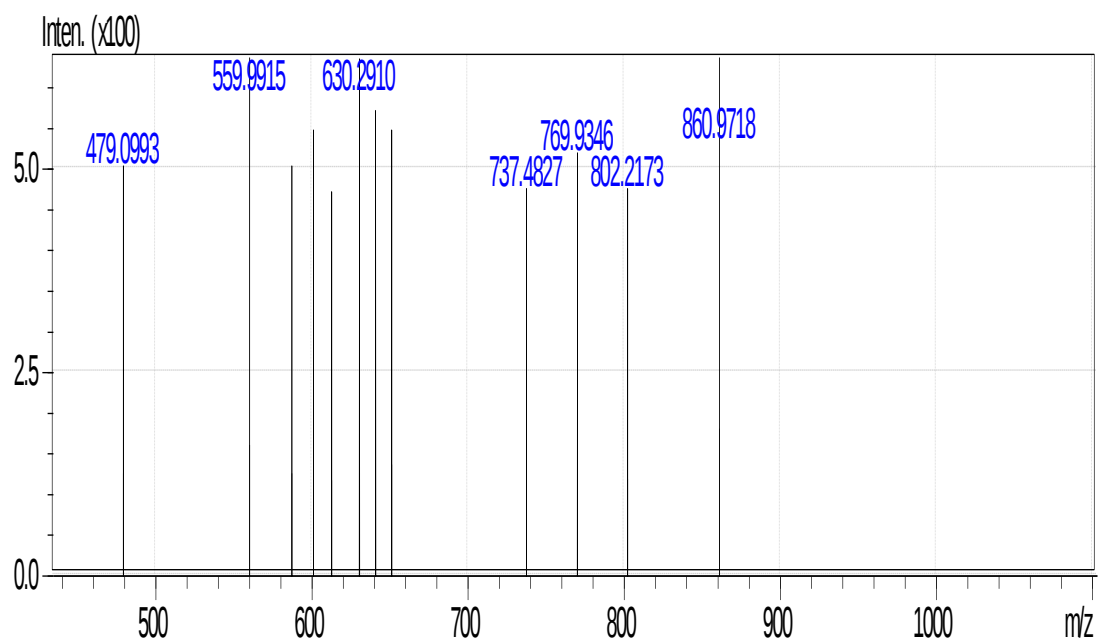


Fig. S10: Mass spectra of Fe(II) complex.

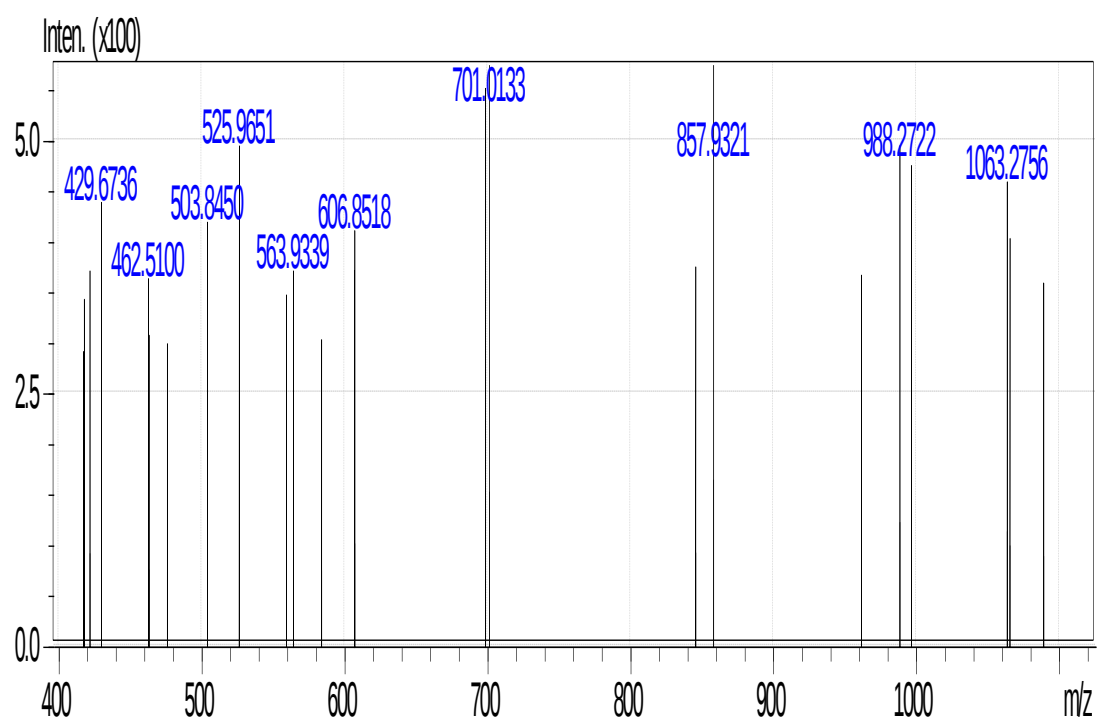


Fig. S11: Mass spectra of Pd(II) complex.

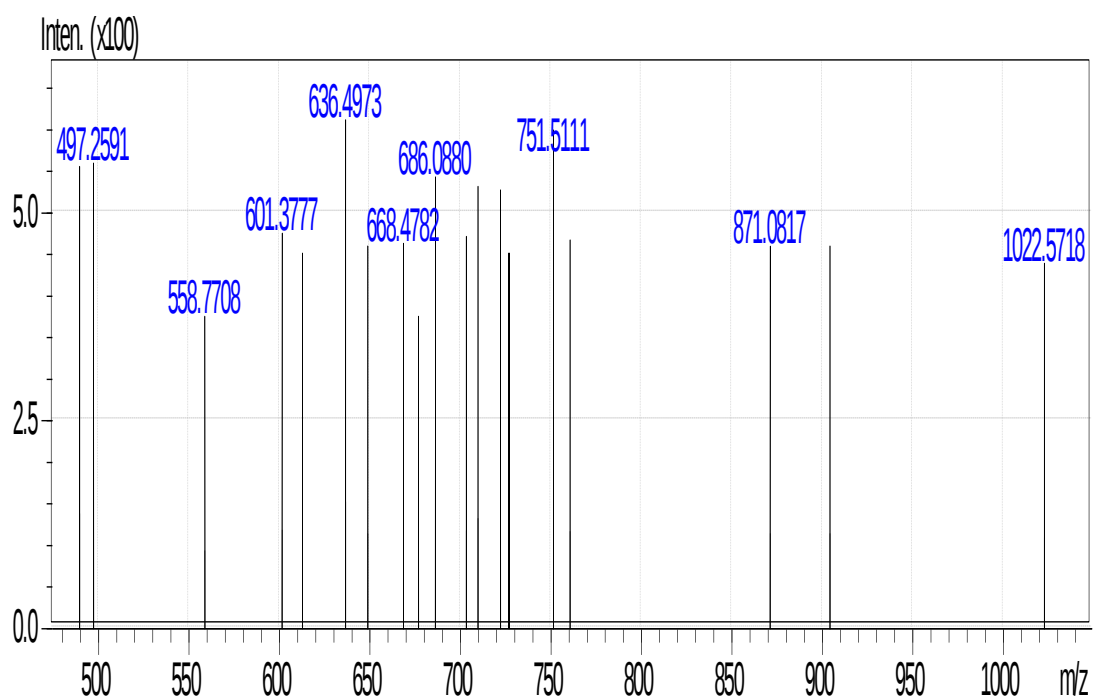


Fig. S12: Mass spectra of Ru(II) complex.

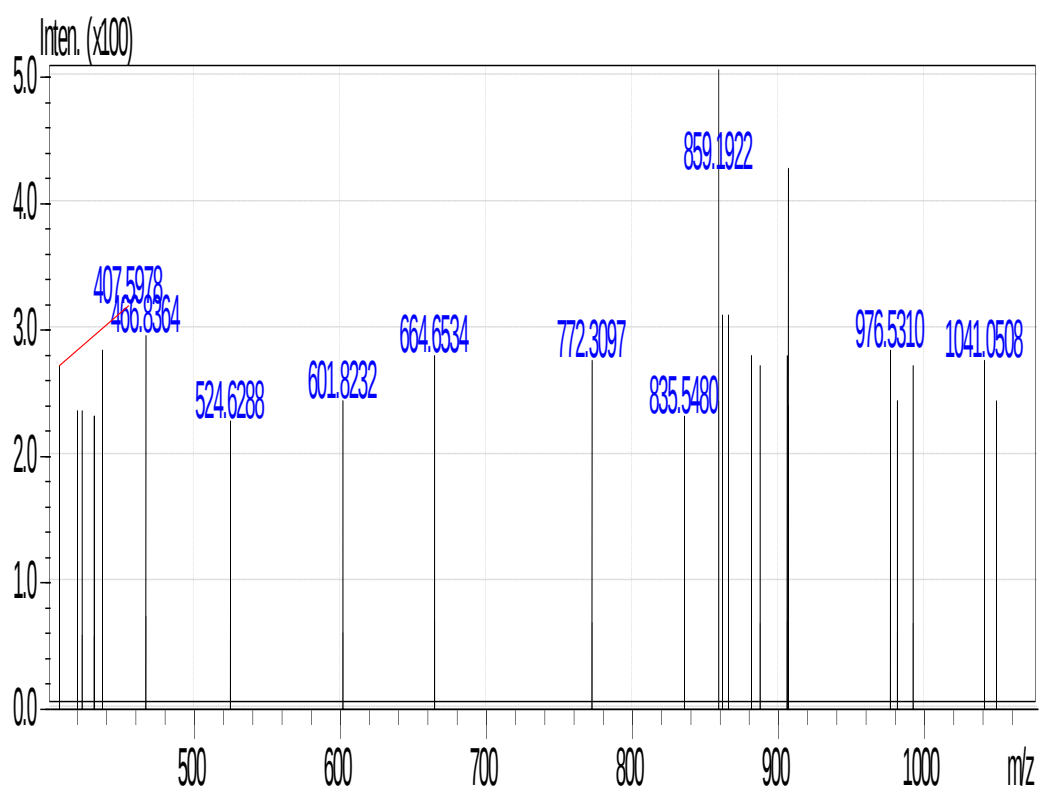


Fig. S13: Mass spectra of Co(II) complex.

Thermal analysis of compounds

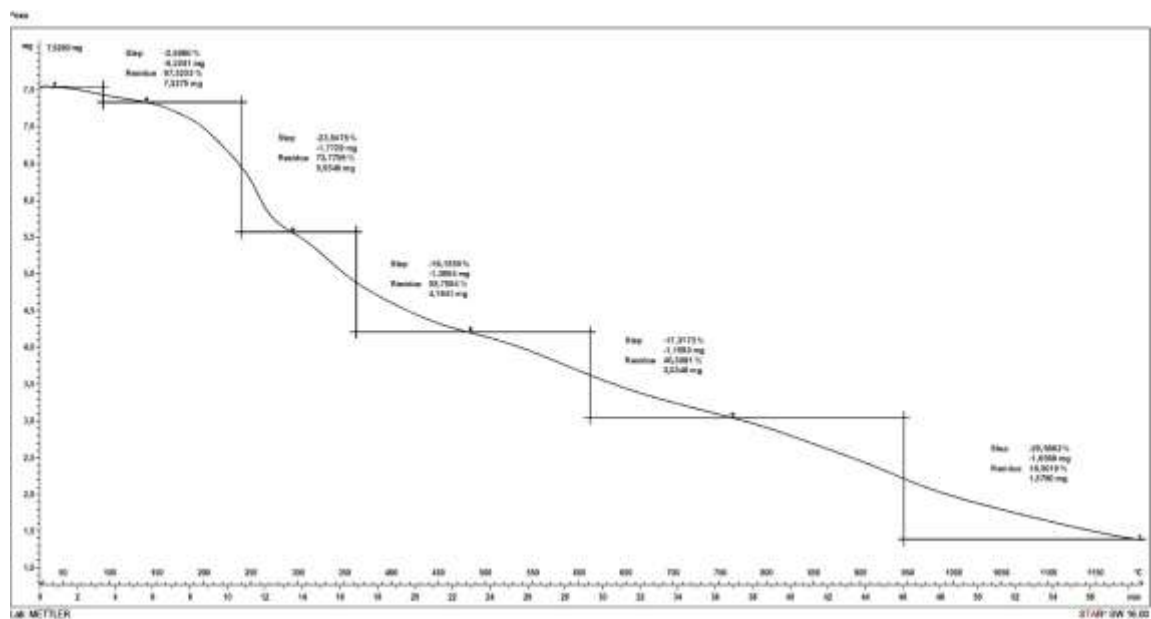


Fig. S14: Thermogram of Fe(II) complex.

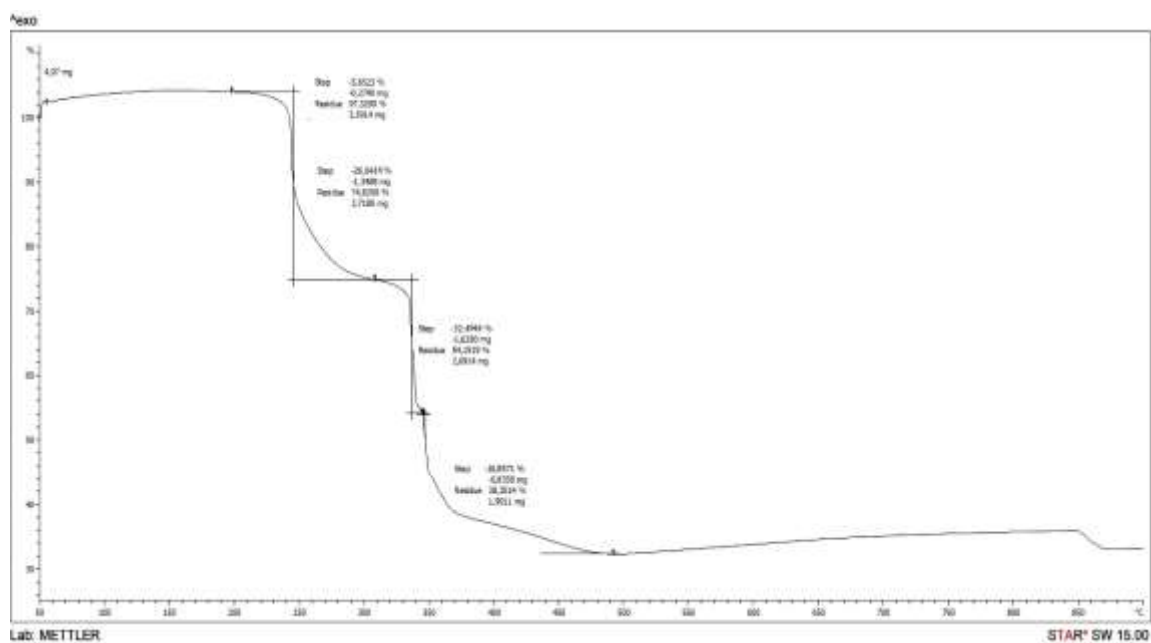


Fig. S15: Thermogram of Ru(II) complex.

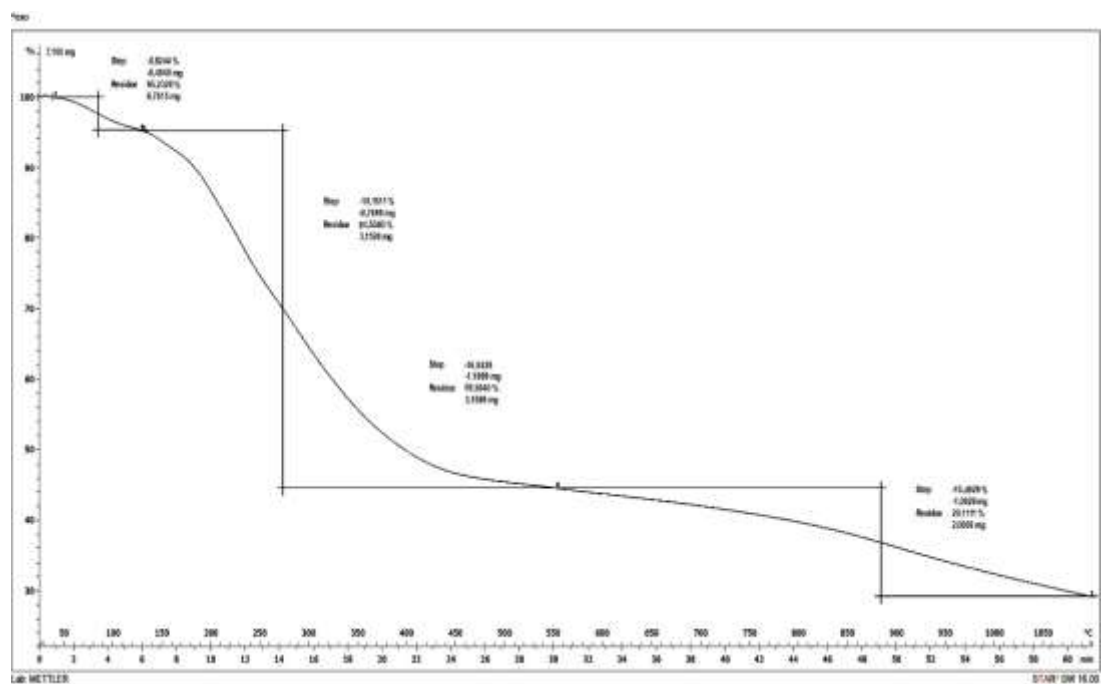


Fig. S16: Thermogram of Pd(II) complex.

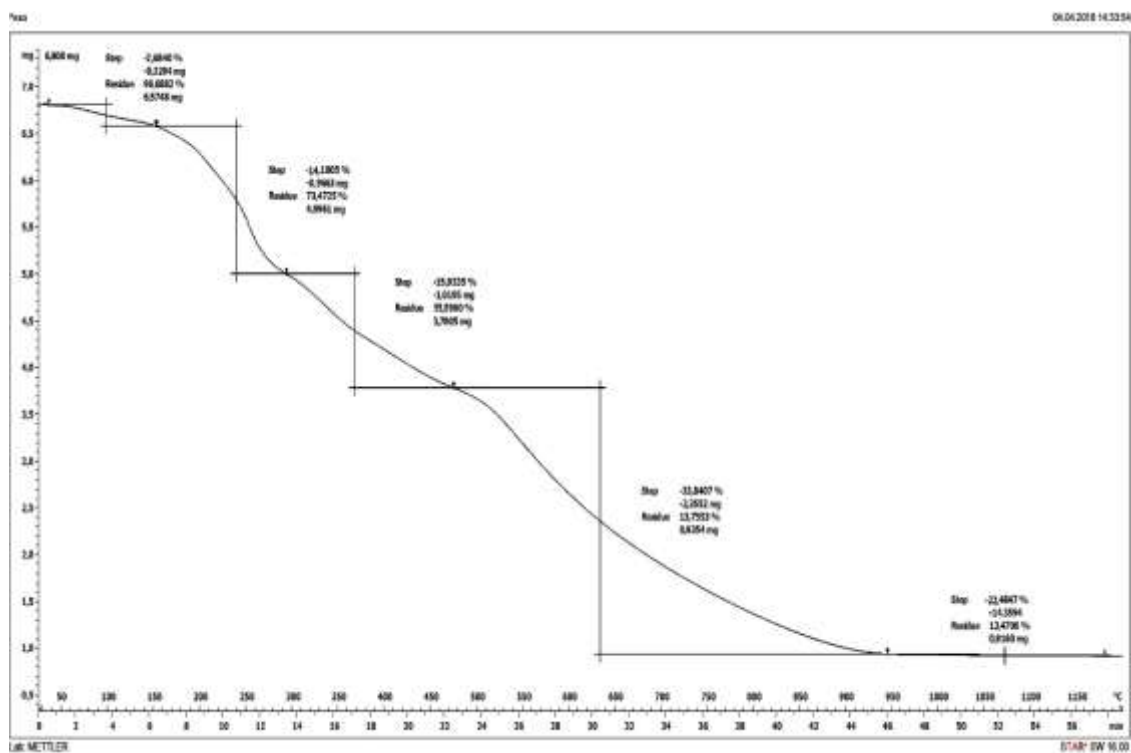


Fig. S17. Thermogram of Co(II) complex

UV Vis spectra of compounds

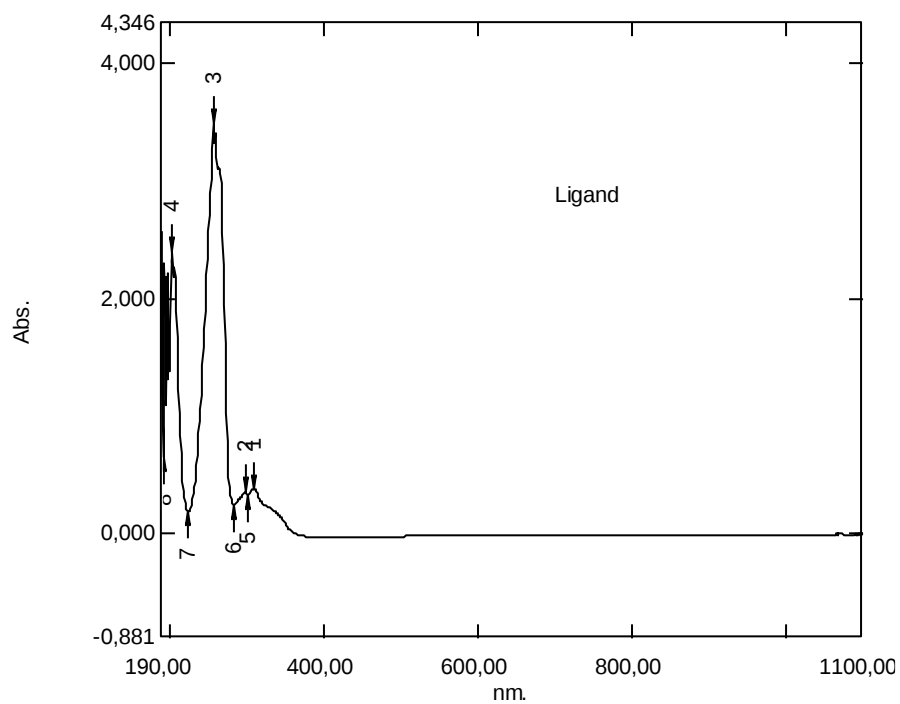


Fig. S18: UV-vis. spectra of ligand (L).

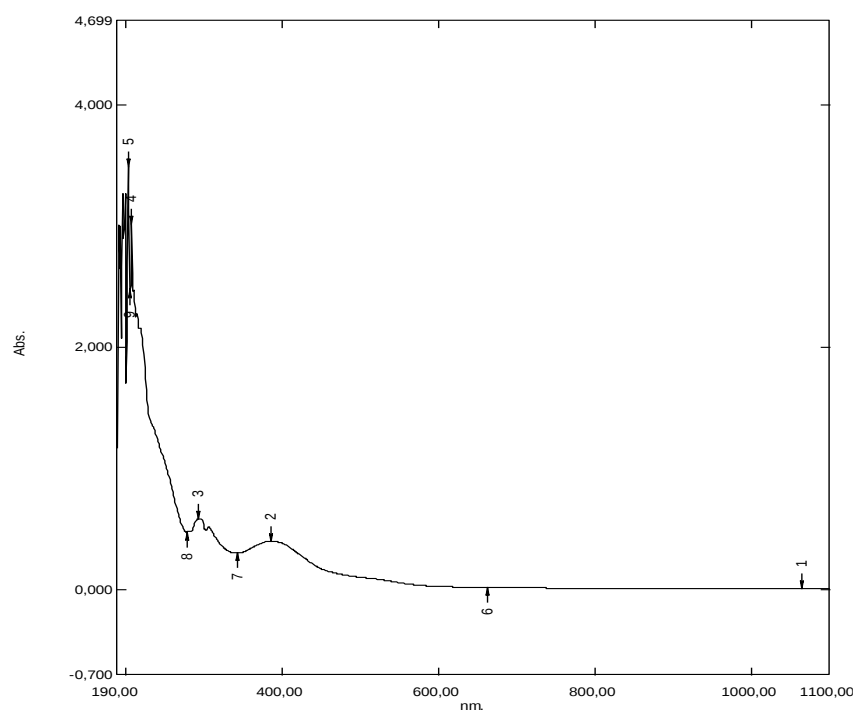


Fig. S19: UV-vis. spectra of Fe(II) complex.

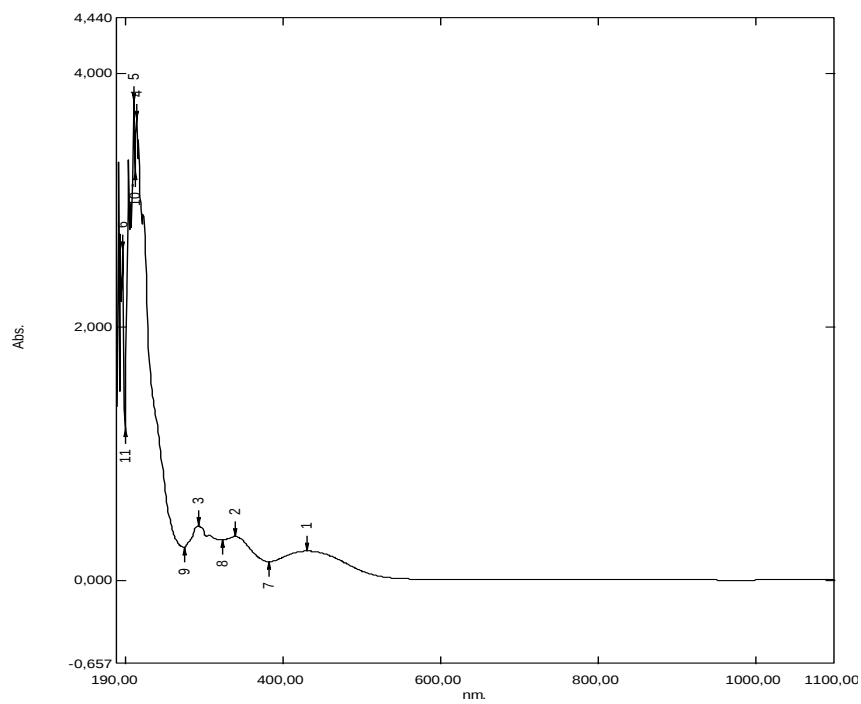


Fig. S20: UV-vis. spectra of Ru(II) complex.

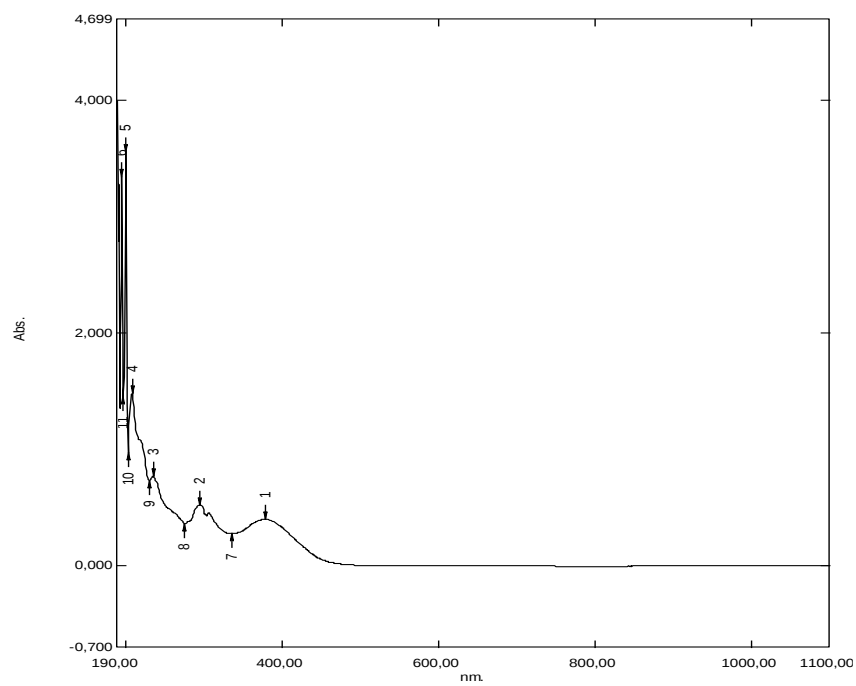


Fig. S21: UV-vis. spectra of Pd(II) complex.

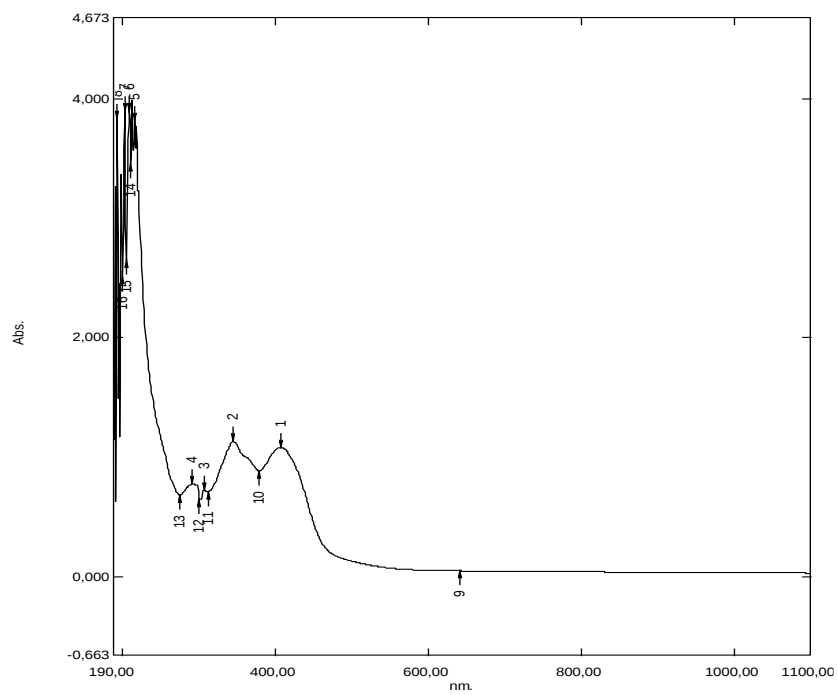


Fig. S22: UV-vis. spectra of Co(II) complex.