

Ruthenium(II) Arene Complexes Containing Benzhydrazones Ligands: Synthesis, Structure and Antiproliferative Activity

Mohamed Kasim Mohamed Subarkhan[†] and Rengan Ramesh,^{*,†}

[†]School of Chemistry, Bharathidasan University, Tiruchirappalli 620 024, Tamil Nadu, India.

Table of the content	Page No.
Figure S1 - ¹ H NMR spectrum of the complexes 1-6 in CDCl ₃ solution.....	S 4 – S 9
Figure S2 - ESI-MS spectrum of the complexes 1-6 in acetonitrile solution.....	S 10 – S 15

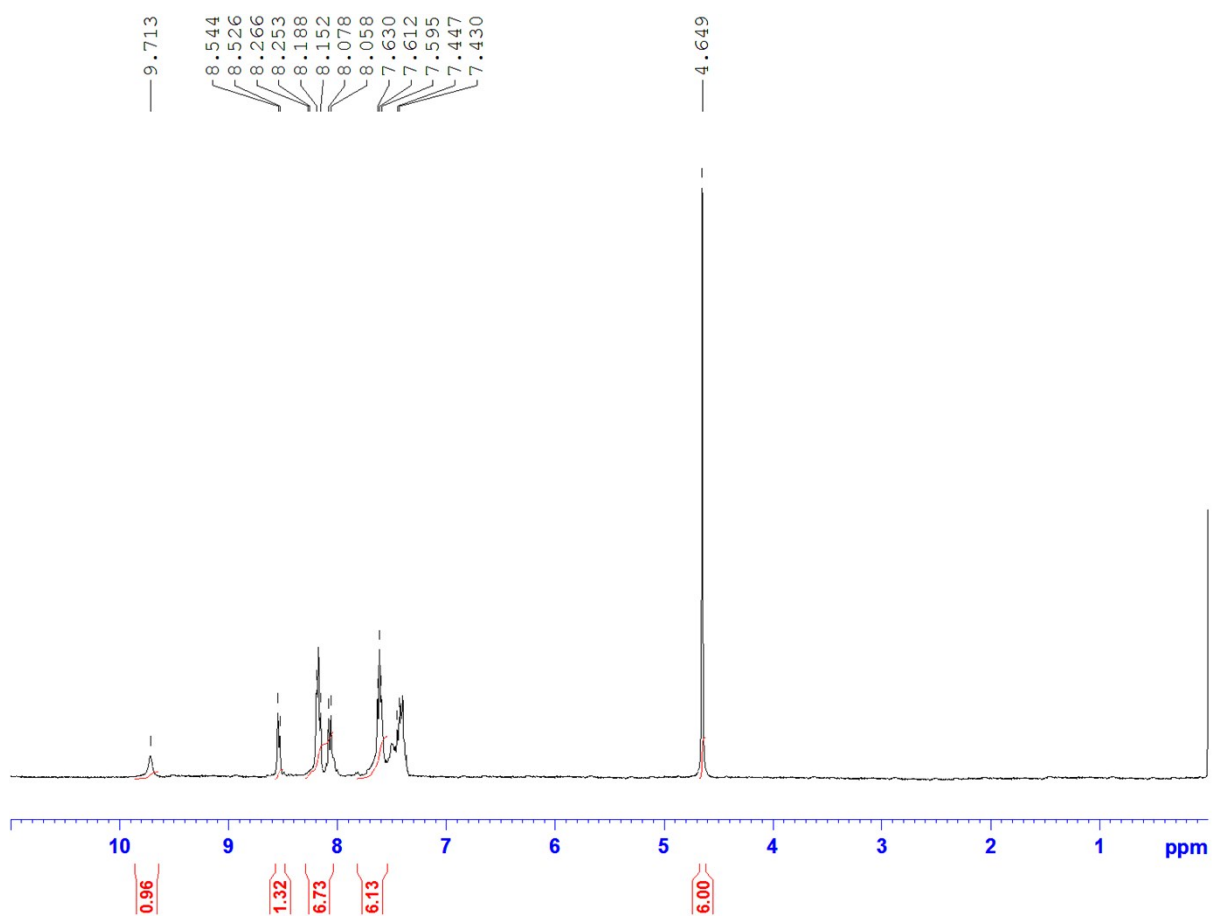


Figure S1. ^1H NMR spectrum of $[\text{Ru}(\eta^6\text{-C}_6\text{H}_6)(\text{Cl})(\text{L1})]$ (**1**)

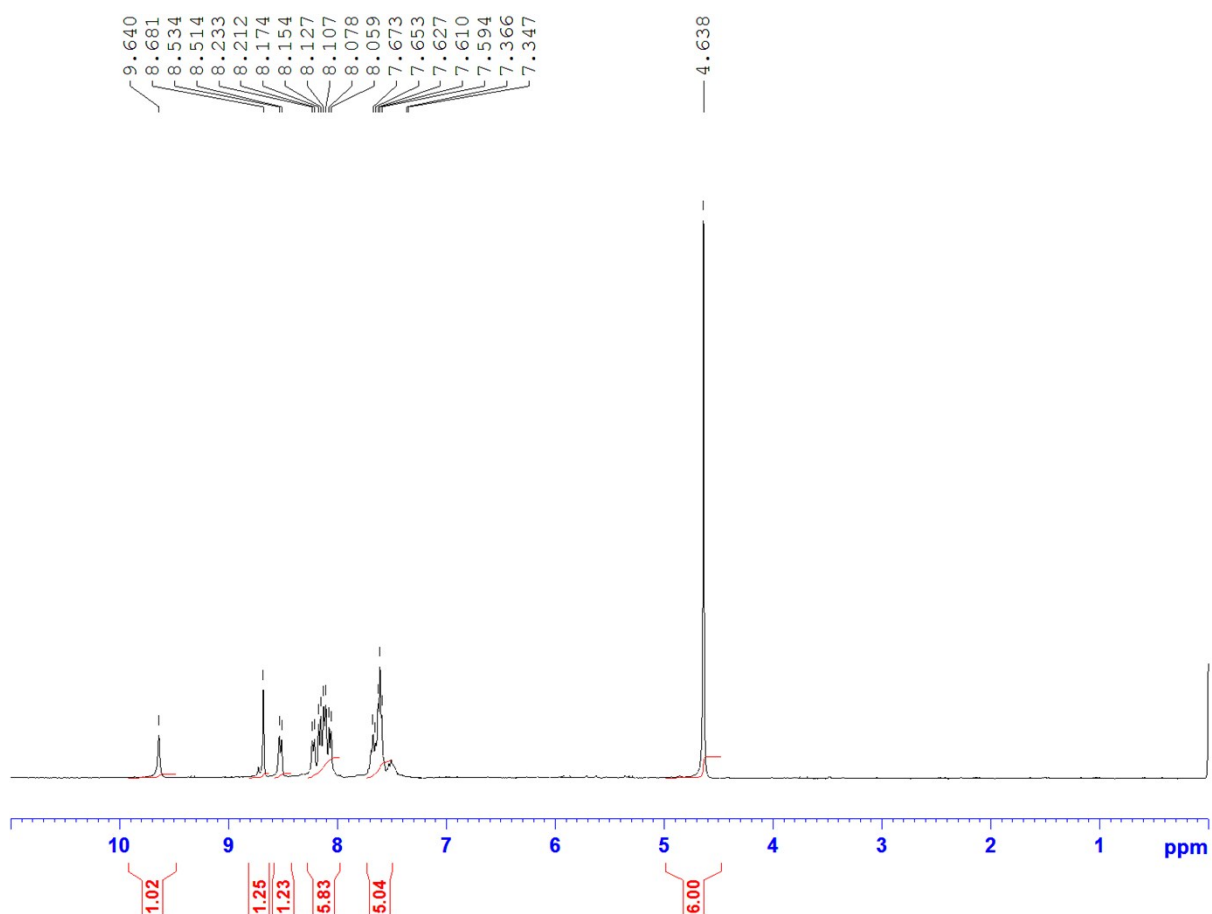


Figure S2. ¹H NMR spectrum of [Ru(η⁶-C₆H₆)(Cl)(L₂)] (2)

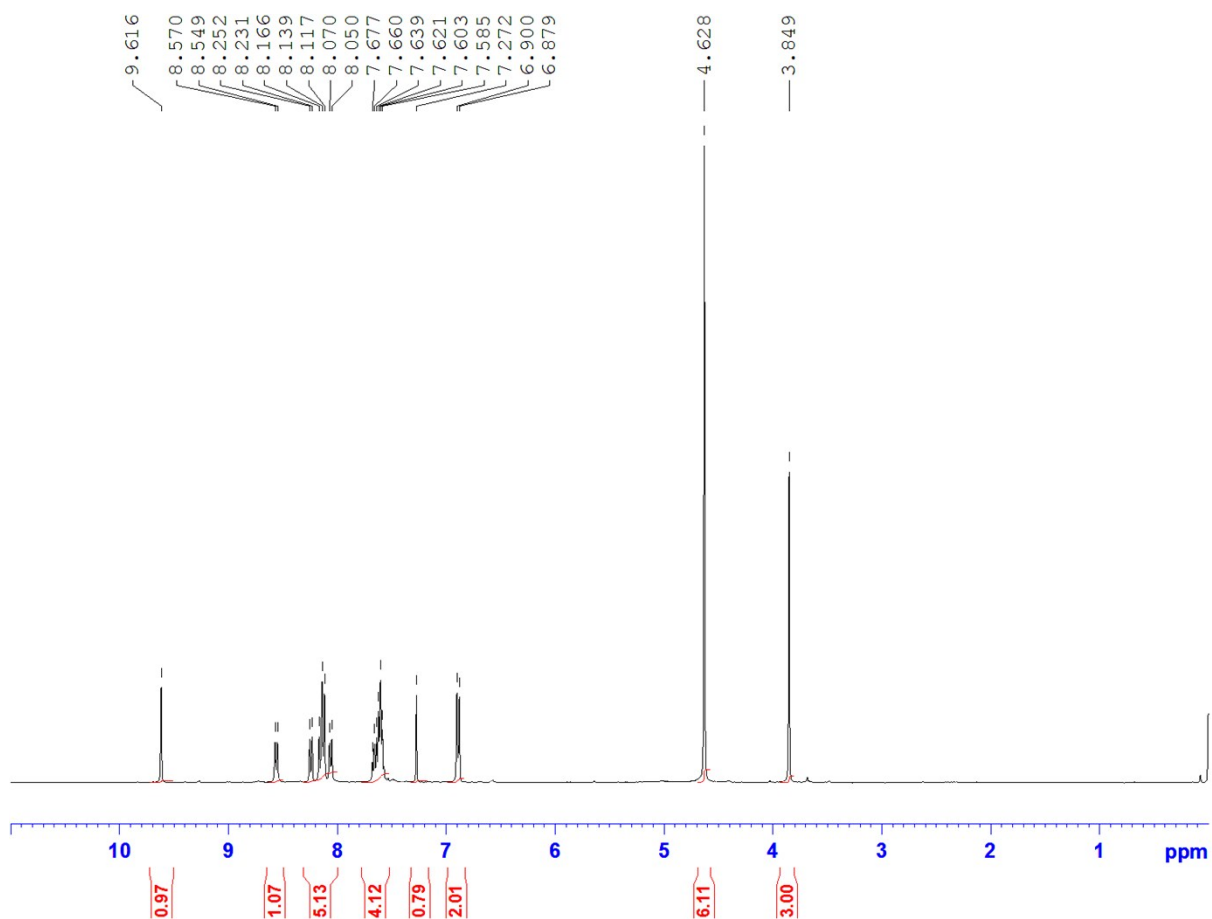


Figure S3. ¹H NMR spectrum of [Ru(η⁶-C₆H₆)(Cl)(L3)] (3)

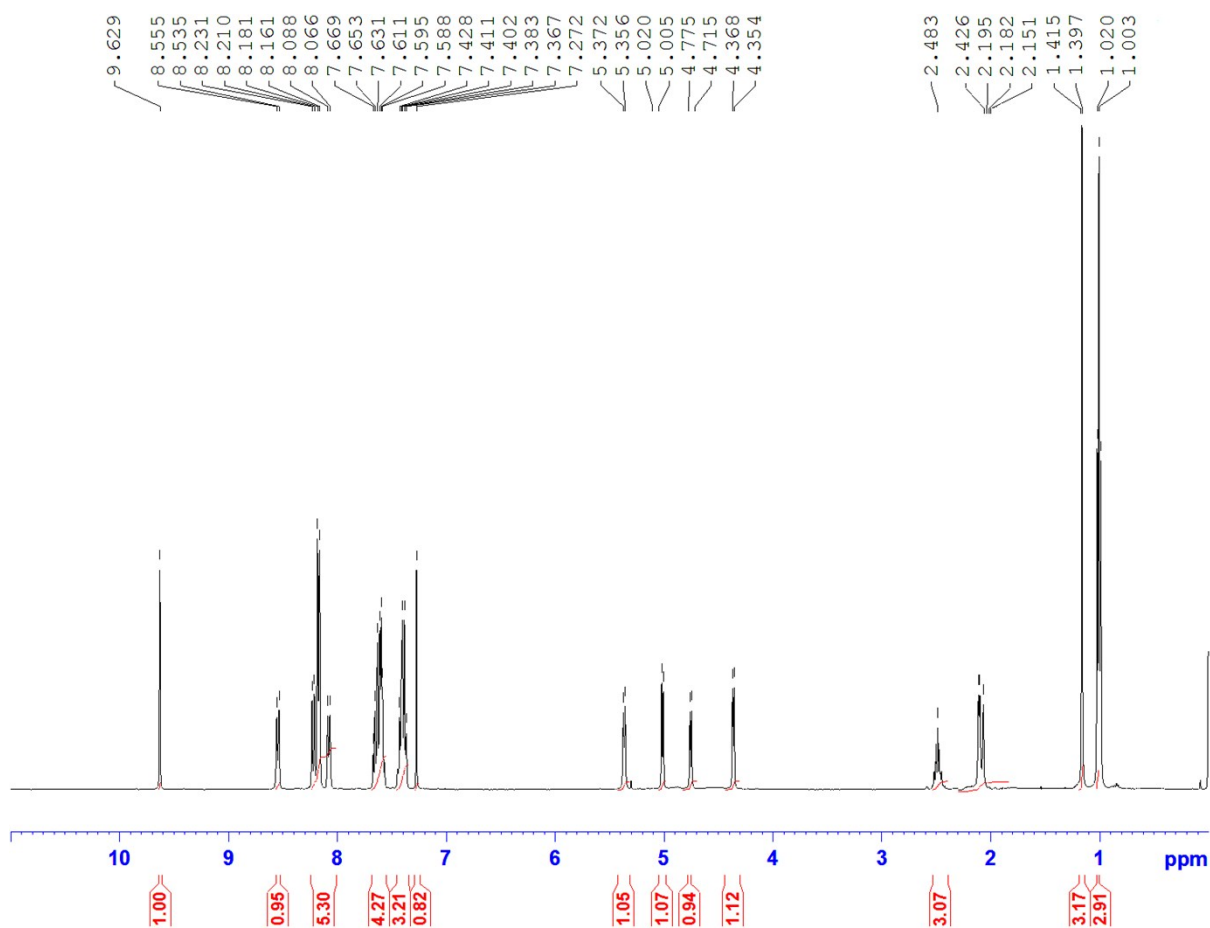


Figure S4. ^1H NMR spectrum of $[\text{Ru}(\eta^6\text{-p-cymene})(\text{Cl})(\text{L1})]$ (**4**)

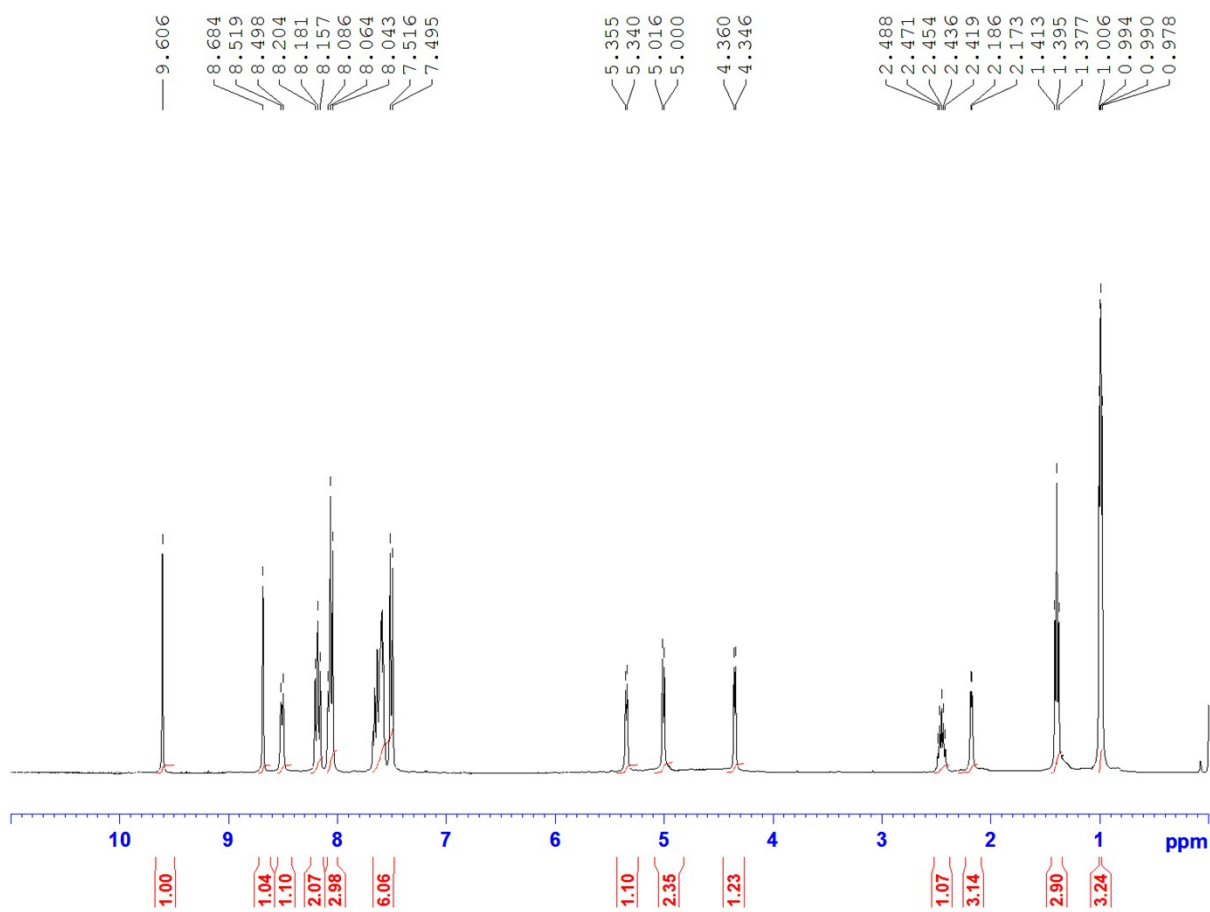


Figure S5. ^1H NMR spectrum of $[\text{Ru}(\eta^6\text{-p-cymene})(\text{Cl})(\text{L2})]$ (**5**)

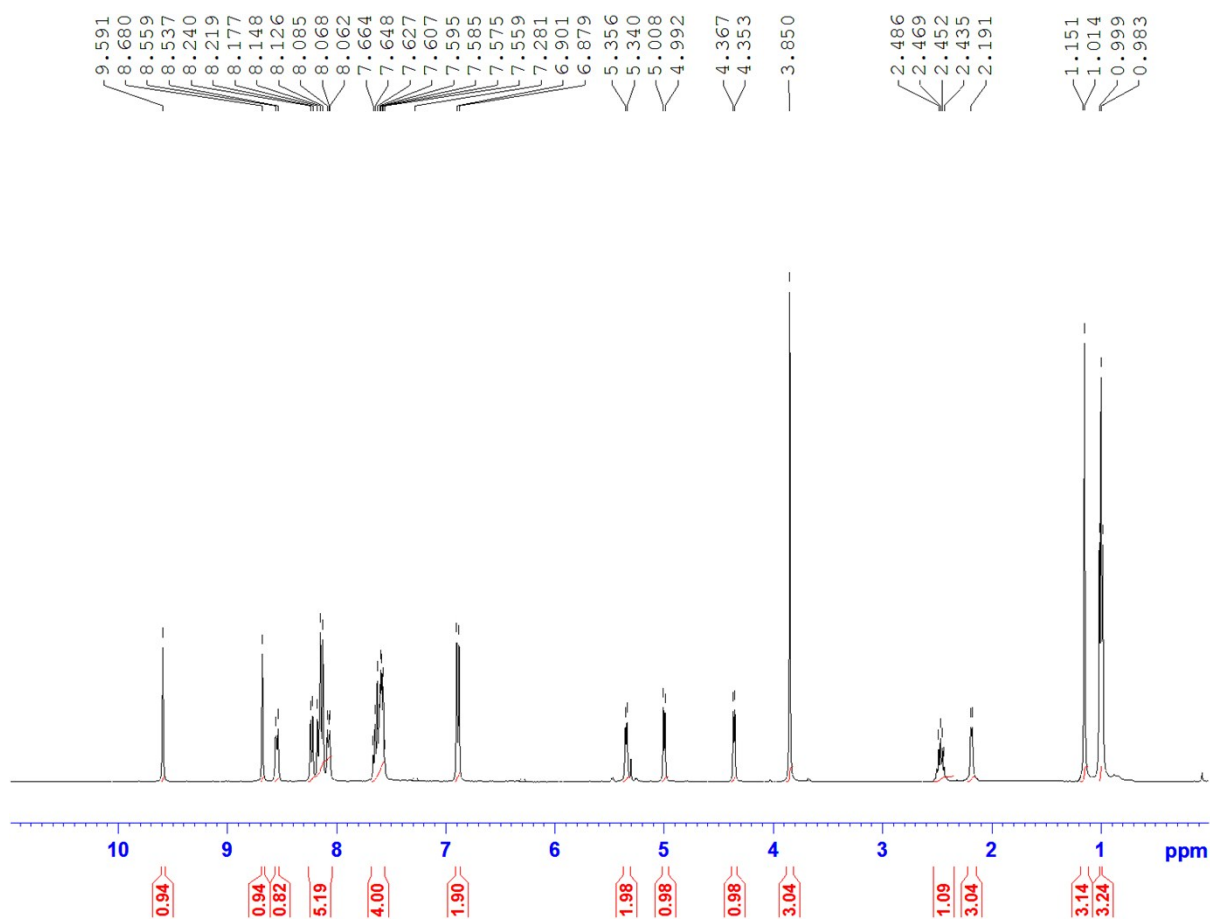


Figure S6. ^1H NMR spectrum of $[\text{Ru}(\eta^6\text{-p-cymene})(\text{Cl})(\text{L3})]$ (6)

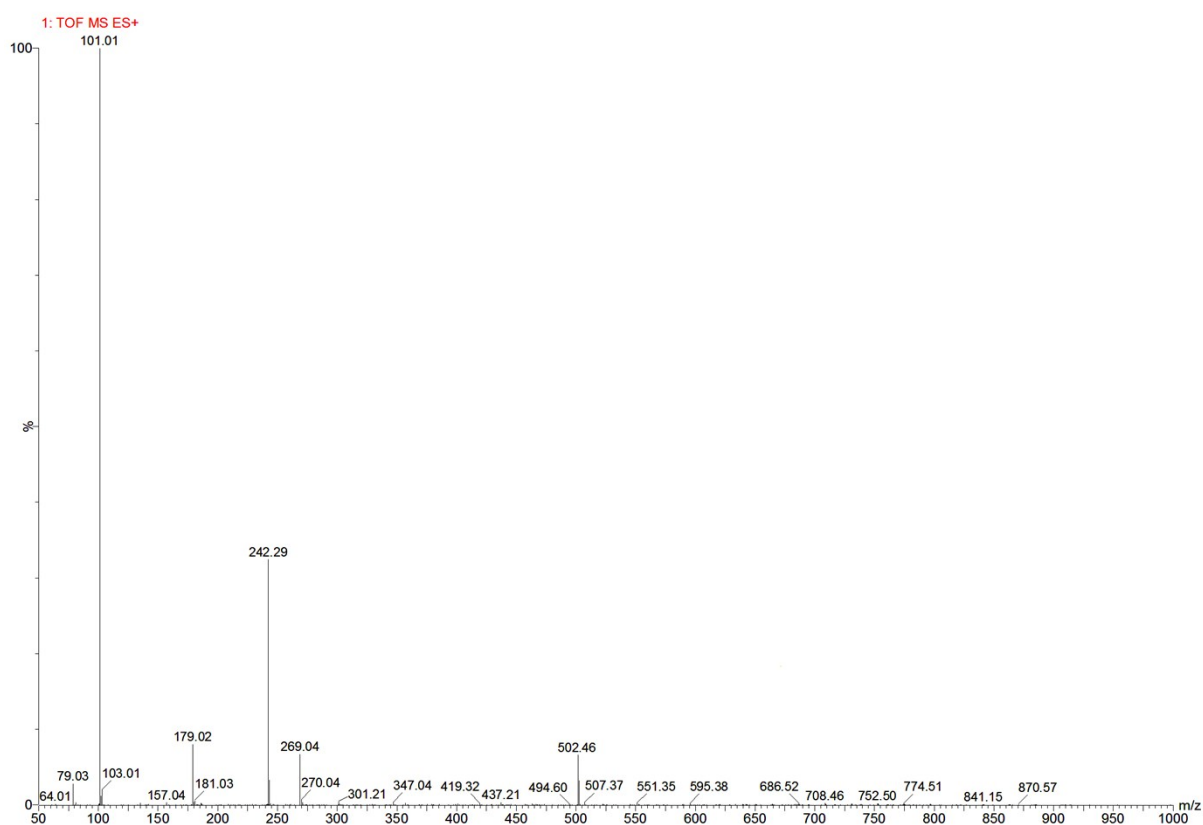


Figure S7: ESI-Mass spectrum of $[\text{Ru}(\eta^6\text{-C}_6\text{H}_6)(\text{Cl})(\text{L1})]$ (**1**)

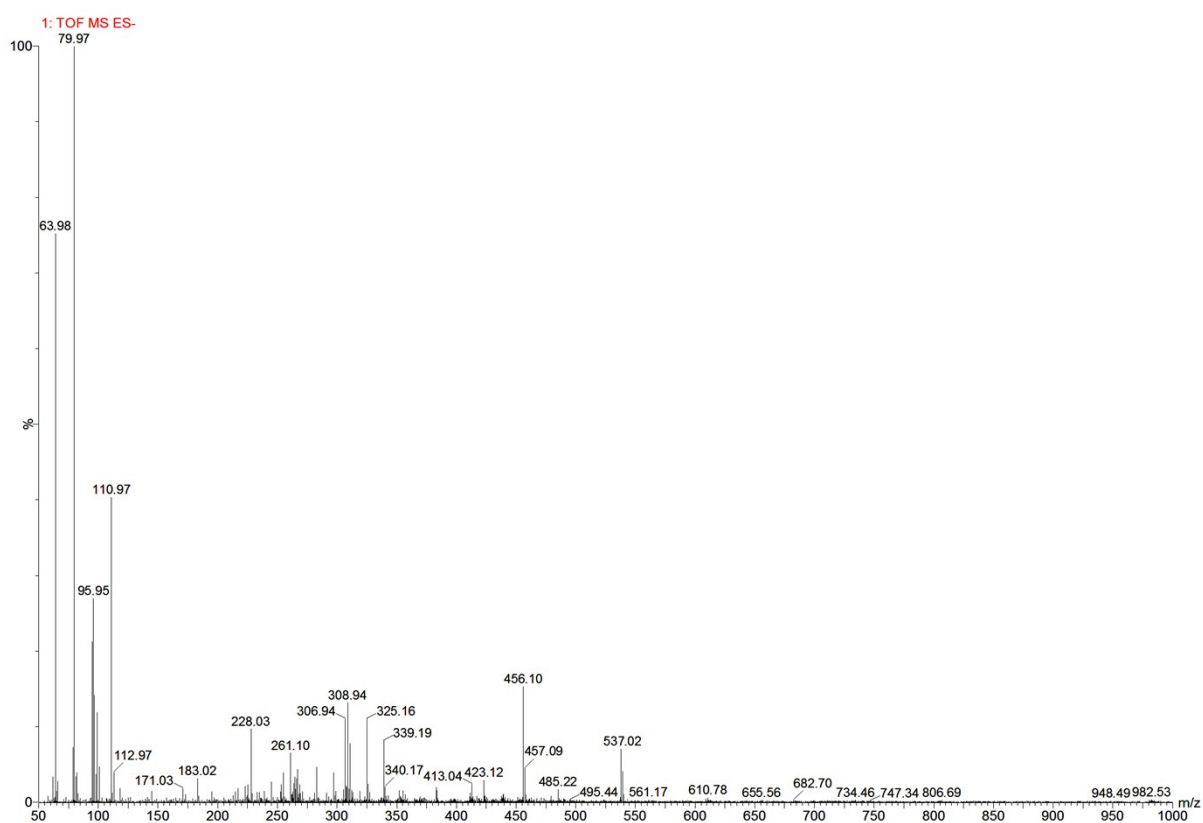


Figure S8: ESI-Mass spectrum of $[\text{Ru}(\eta^6\text{-C}_6\text{H}_6)(\text{Cl})(\text{L2})]$ (**2**)

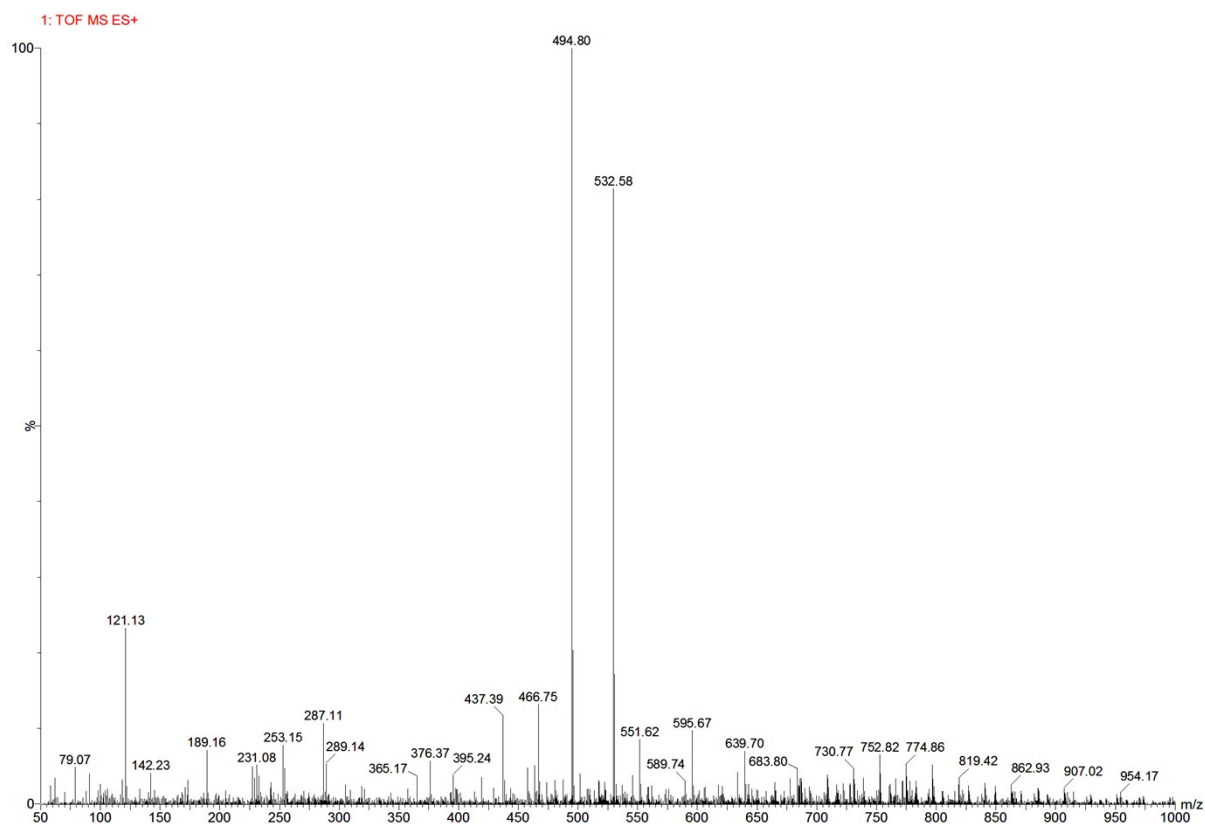


Figure S9: ESI-Mass spectrum of $[\text{Ru}(\eta^6\text{-C}_6\text{H}_6)(\text{Cl})(\text{L3})]$ (**3**)

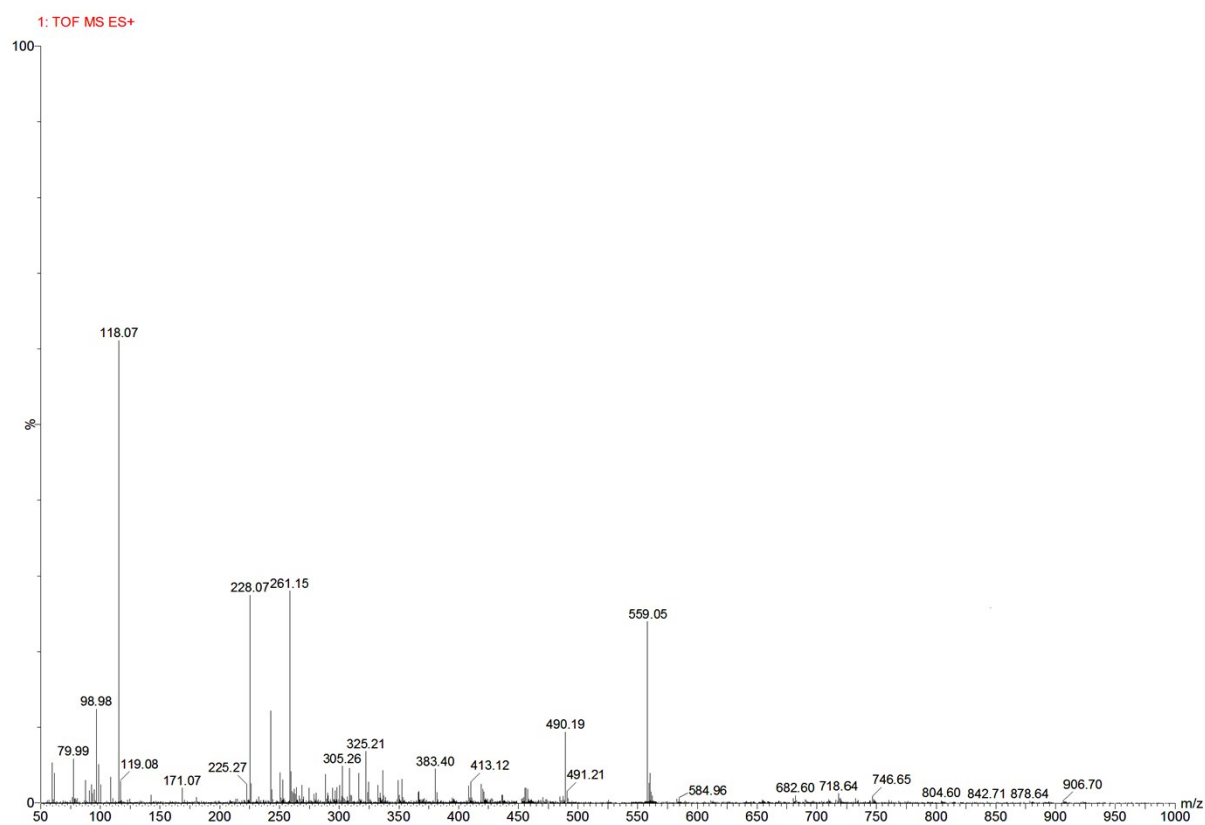


Figure S10: ESI-Mass spectrum of $[\text{Ru}(\eta^6\text{-p-cymene})(\text{Cl})(\text{L1})]$ (**4**)

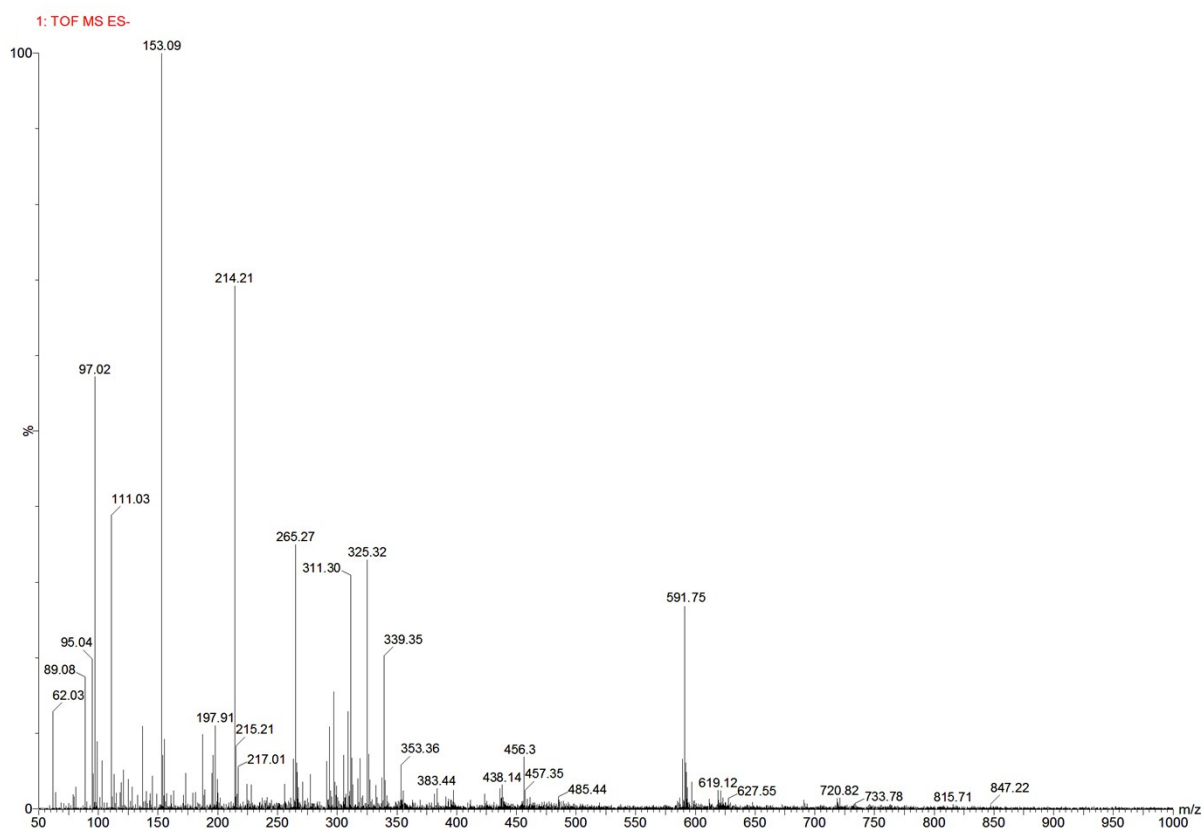


Figure S11: ESI-Mass spectrum of $[\text{Ru}(\eta^6\text{-p-cymene})(\text{Cl})(\text{L2})]$ (**5**)

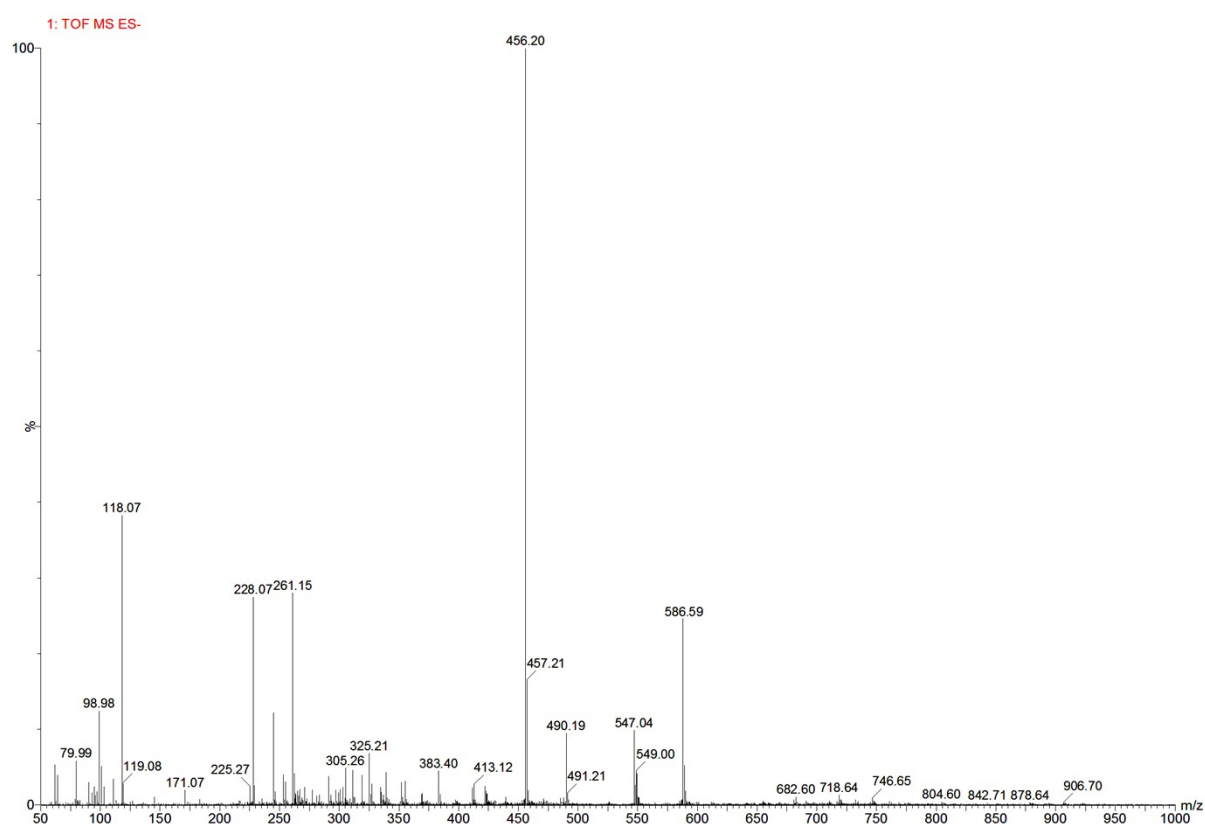


Figure S12: ESI-Mass spectrum of $[\text{Ru}(\eta^6\text{-p-cymene})(\text{Cl})(\text{L3})]$ (**6**)