

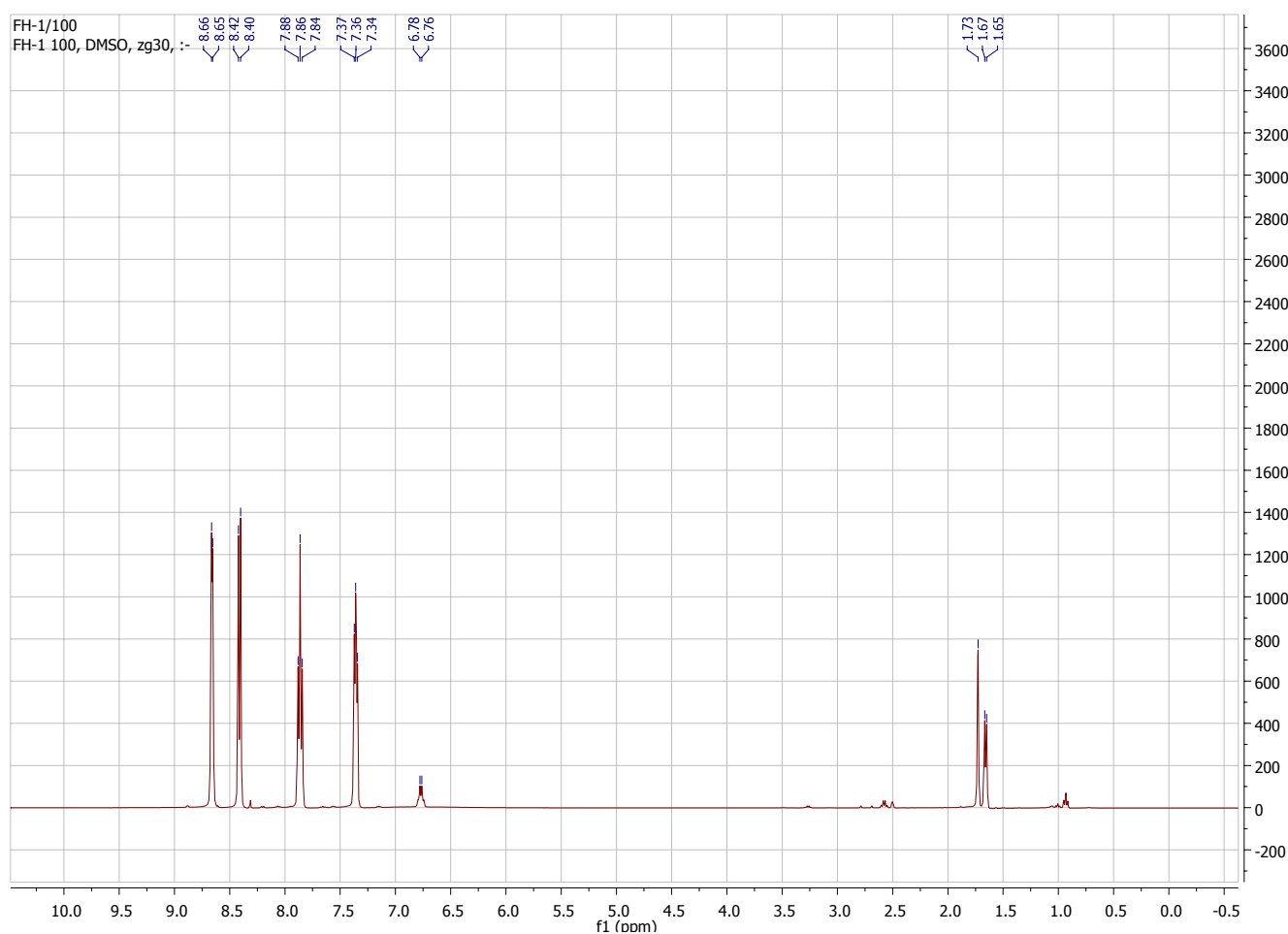
Supplementary Information

Synthesis, Photophysical and Electrochemical Properties of a Mixed Bipyridyl-Phenanthrolyl Ligands Ru(II) Heteroleptic Complex Having 2-Methy-2-butenic Acid Functionality

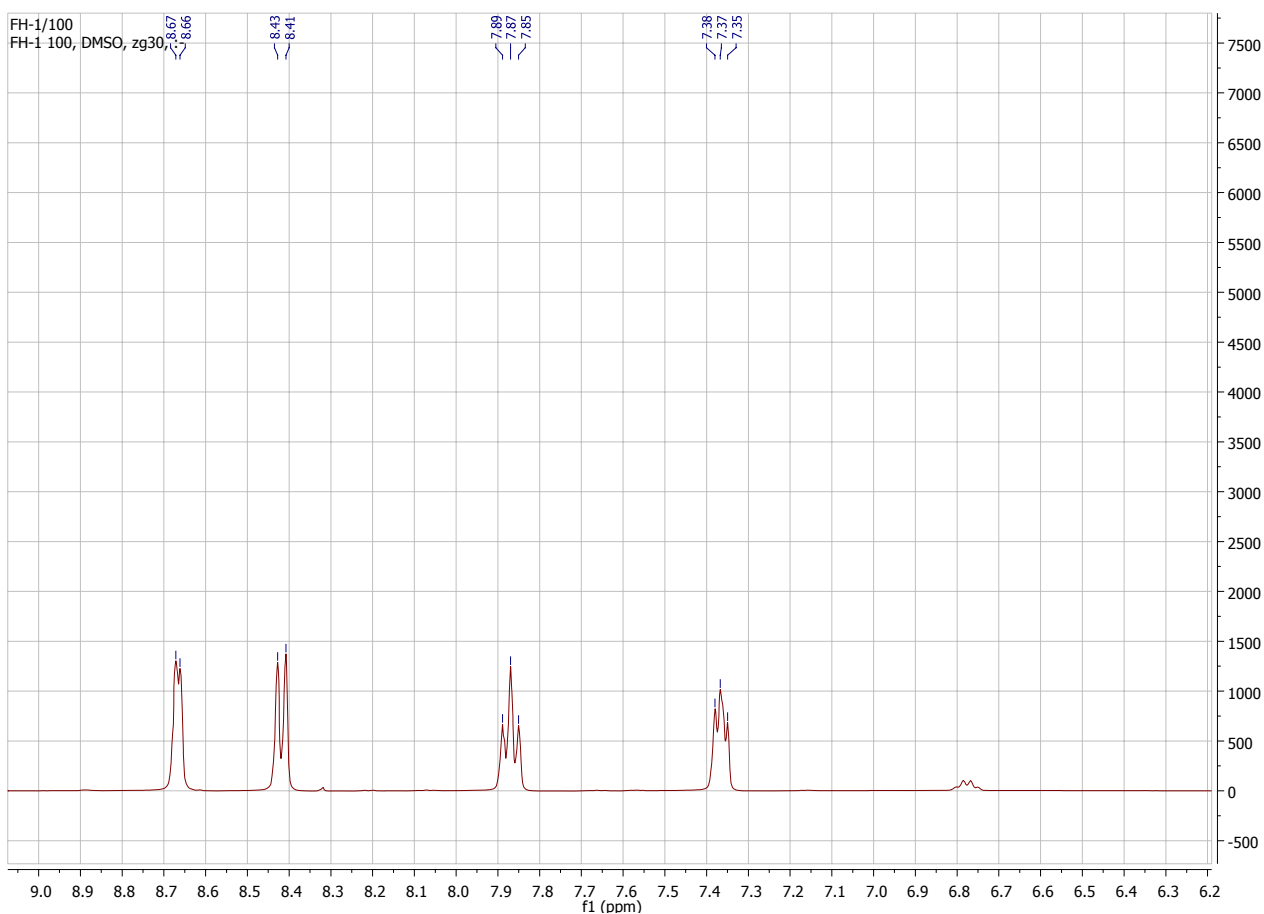
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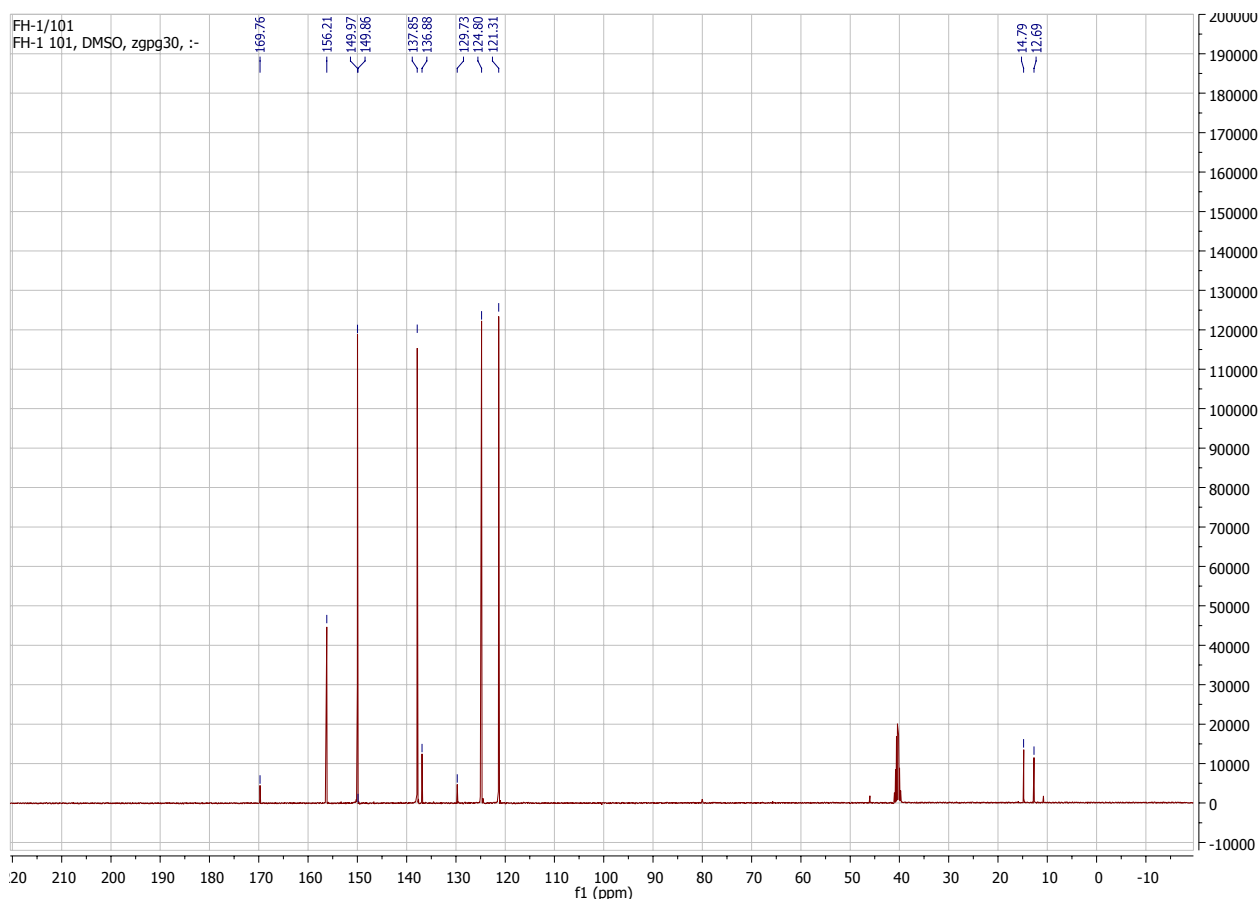
S1. ^1H -NMR spectrum of L_1 .



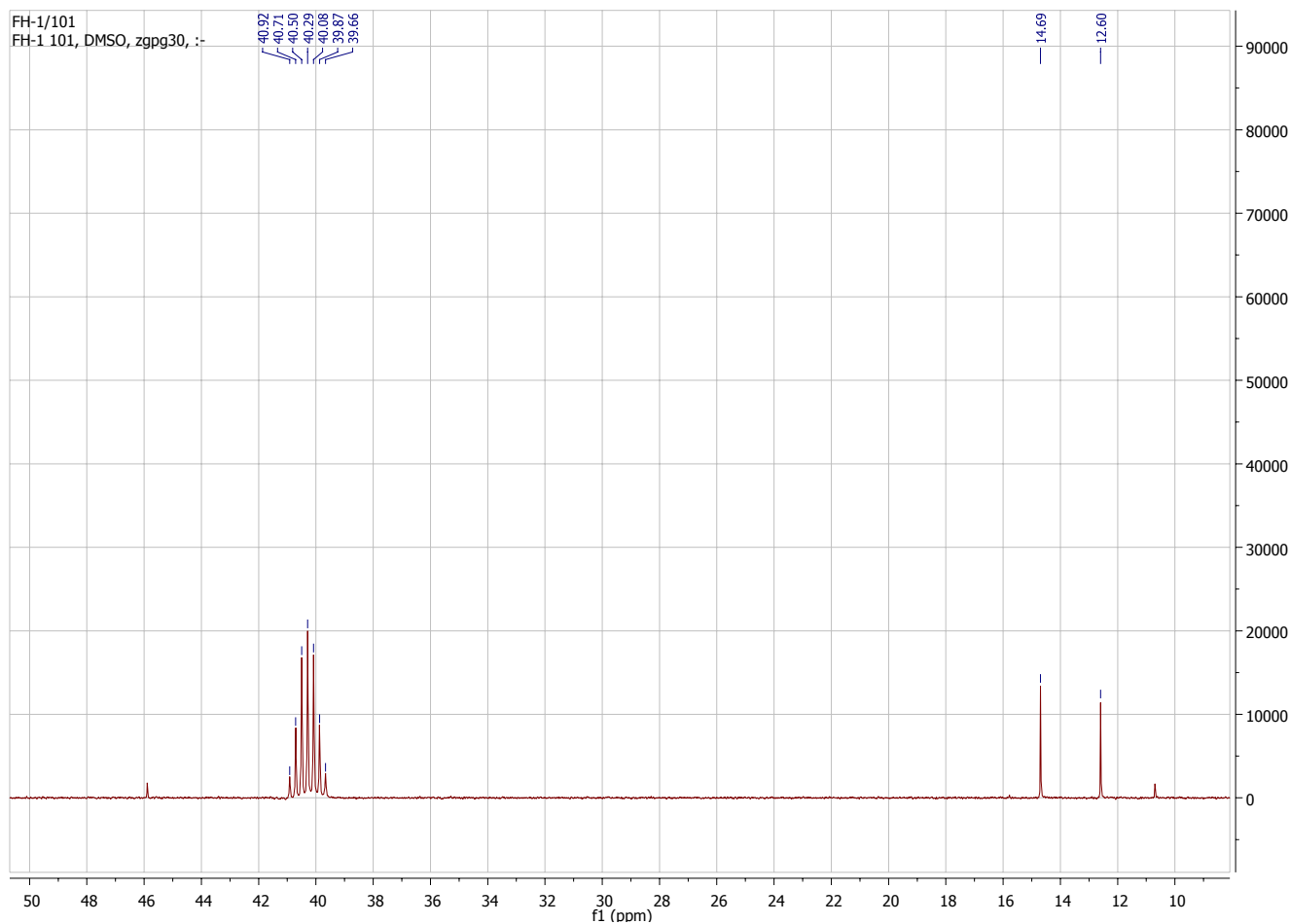
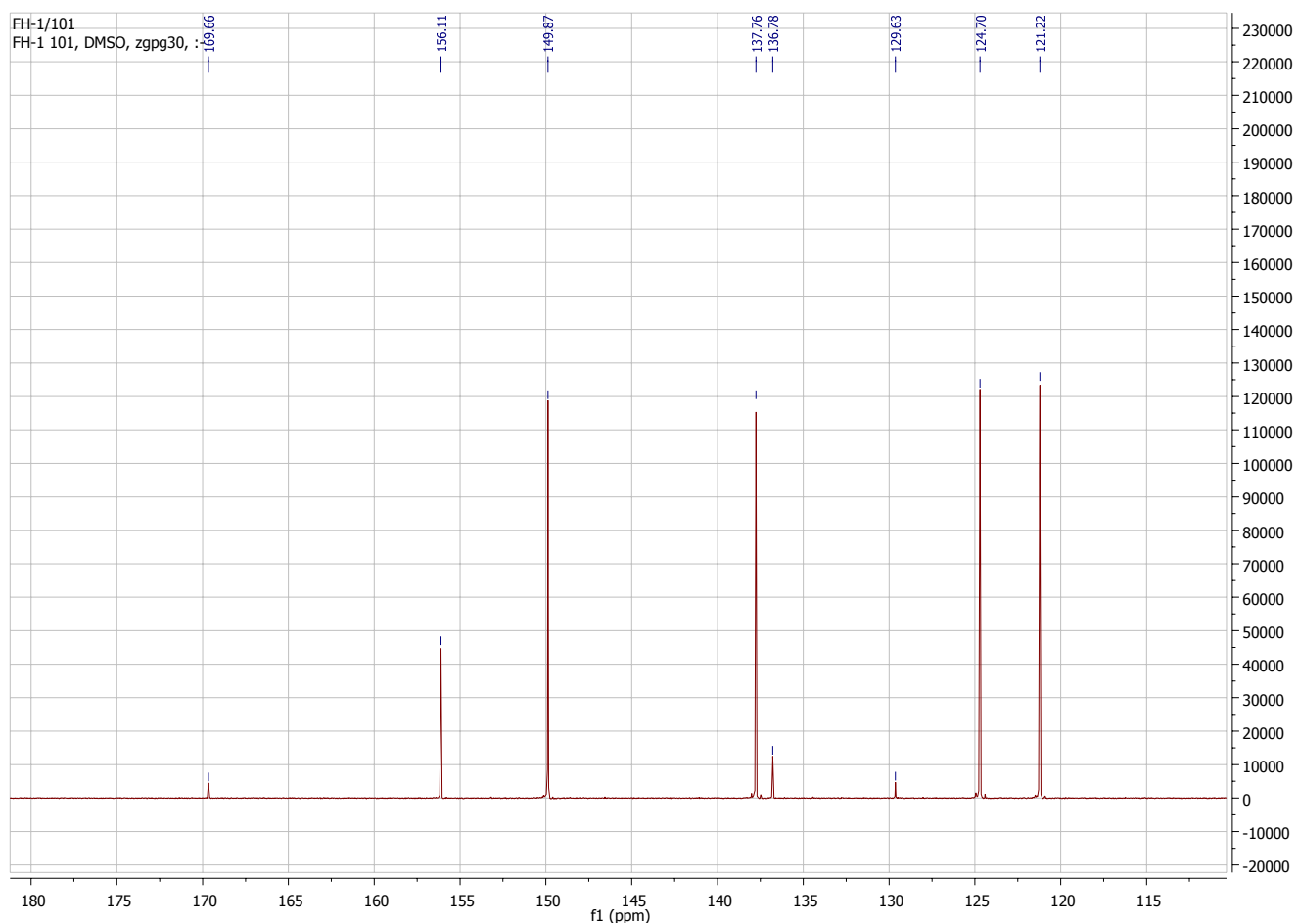
S1. Cont.



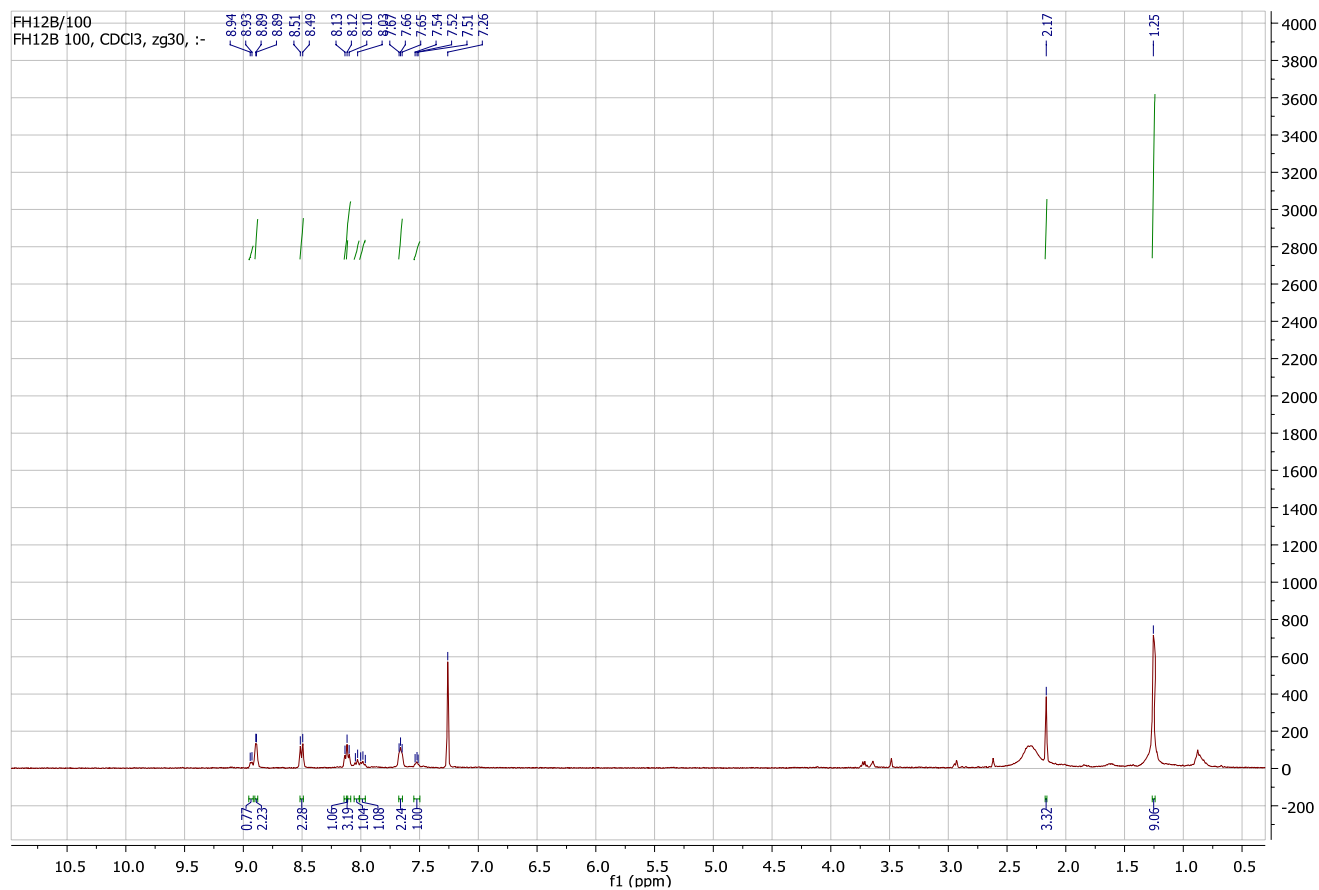
S2. ^{13}C -NMR spectrum of L_1 .



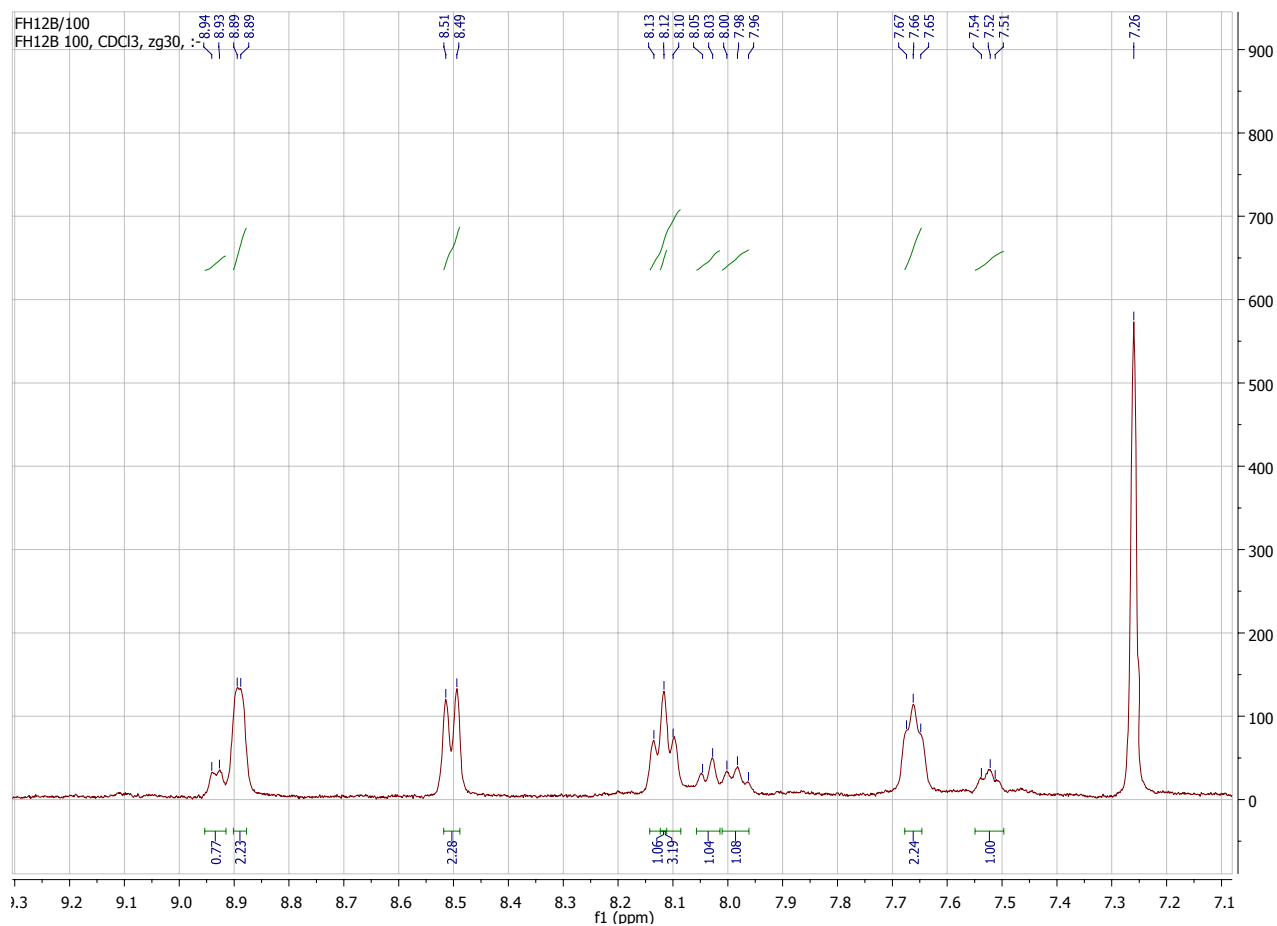
S2. Cont.



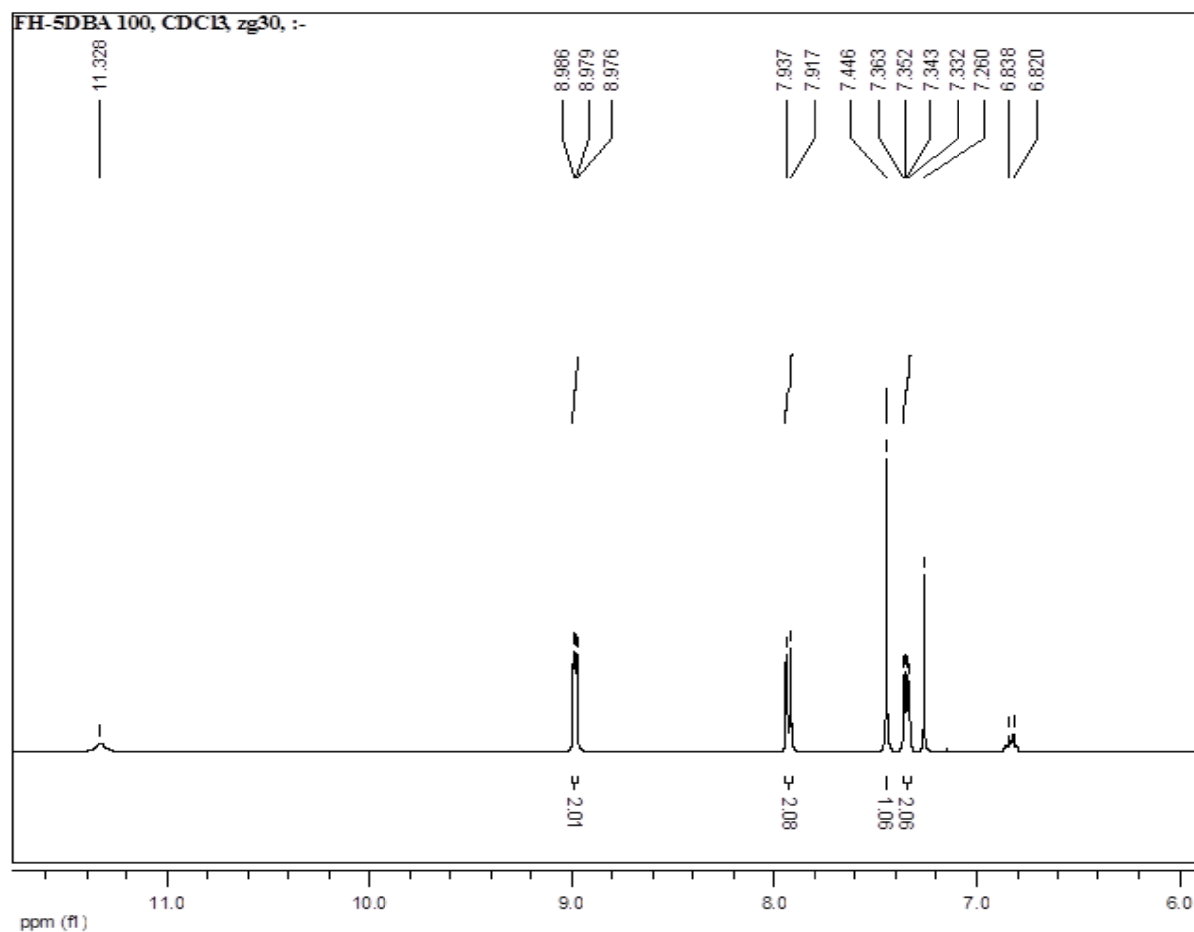
S3. ^1H -NMR spectrum of $[\text{Ru}(\text{L}_1)_2(\text{NCS})_2]$.



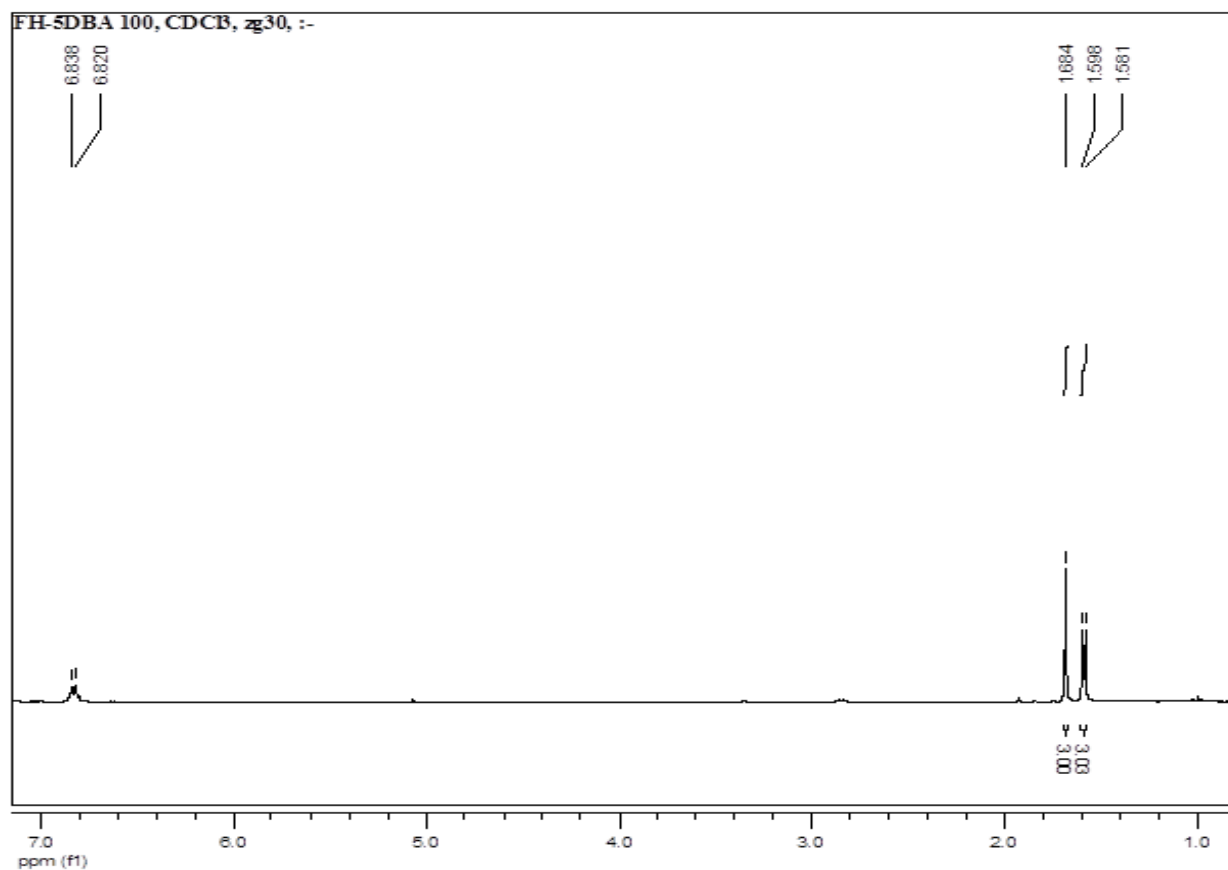
Aromatic region of ^1H -NMR spectrum of complex $[\text{Ru}(\text{L}_1)_2(\text{NCS})_2]$.



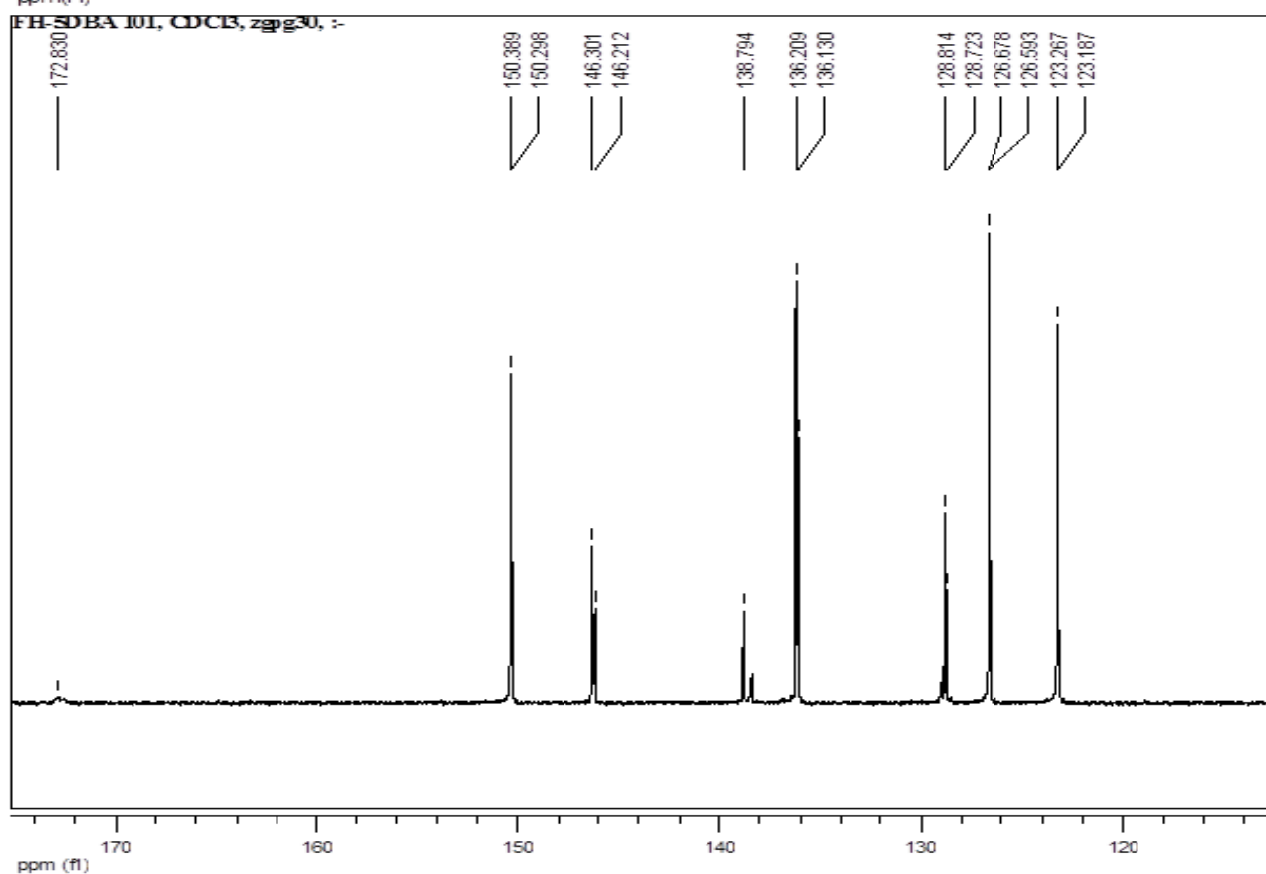
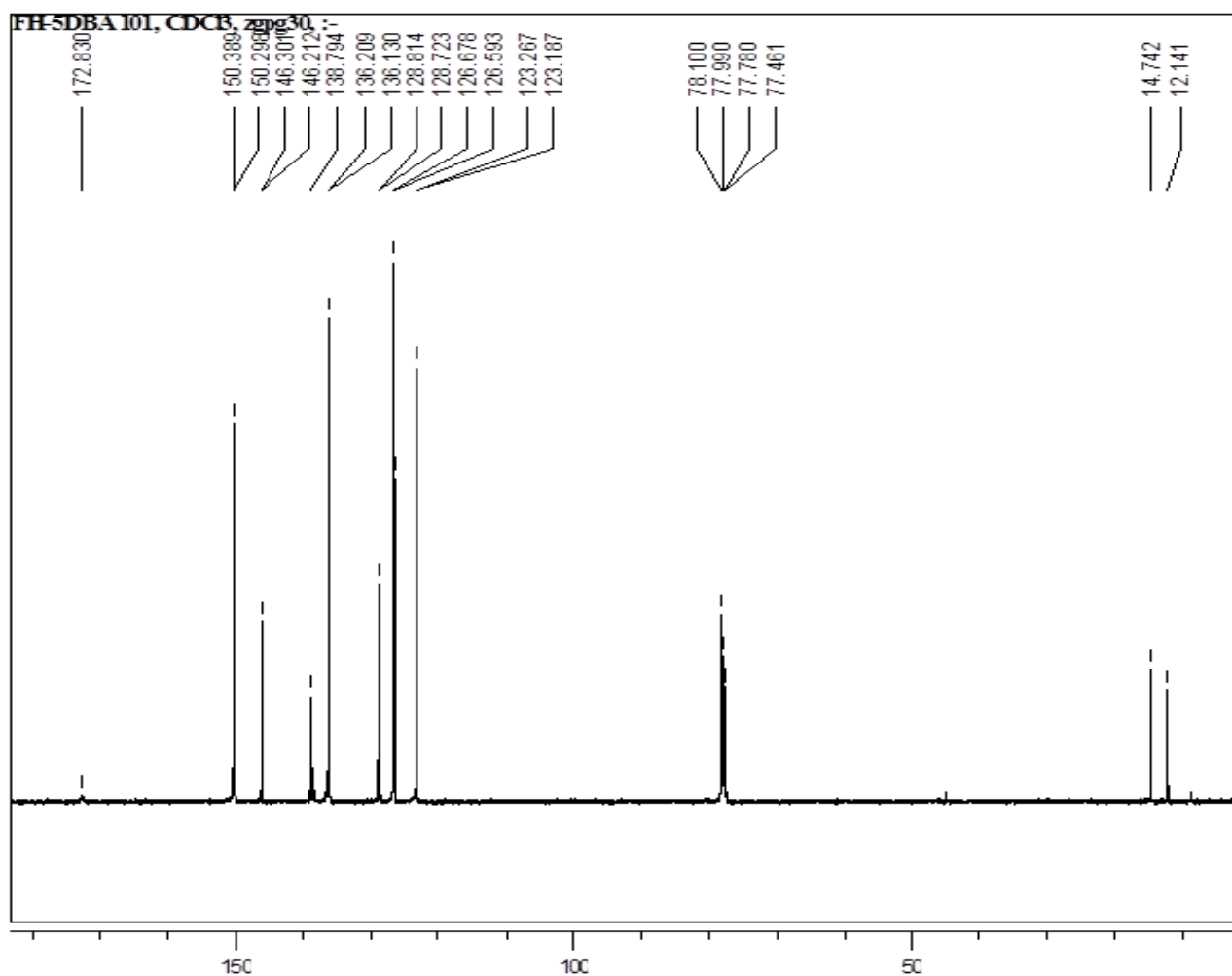
S4. Aromatic region ^1H -NMR spectrum of **L₂**.



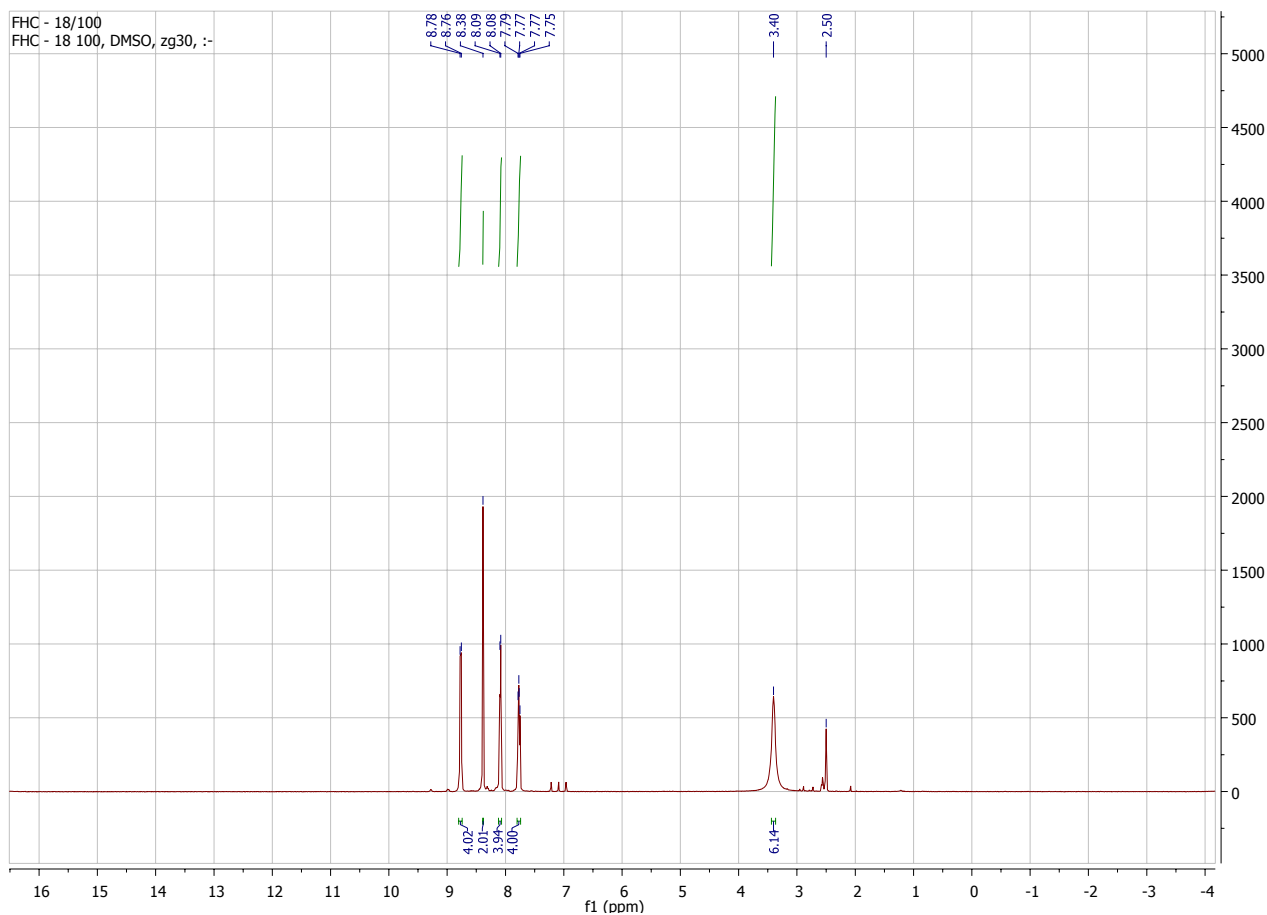
S5. Aliphatic region ^1H -NMR of **L₂**.



S6. ^{13}C -NMR spectrum of **L₂**.



S7. ^1H -NMR spectrum of $[\text{Ru}(\text{L}_2)_2(\text{NCS})_2]$.



Aromatic region of ^1H NMR spectrum of complex $[\text{Ru}(\text{L}_2)_2(\text{NCS})_2]$.

