

Supplementary Material

Pyridine vs. Imidazole Axial Ligation on Cobaloxime Grafted Graphene: Hydrogen Evolution Reaction Insights

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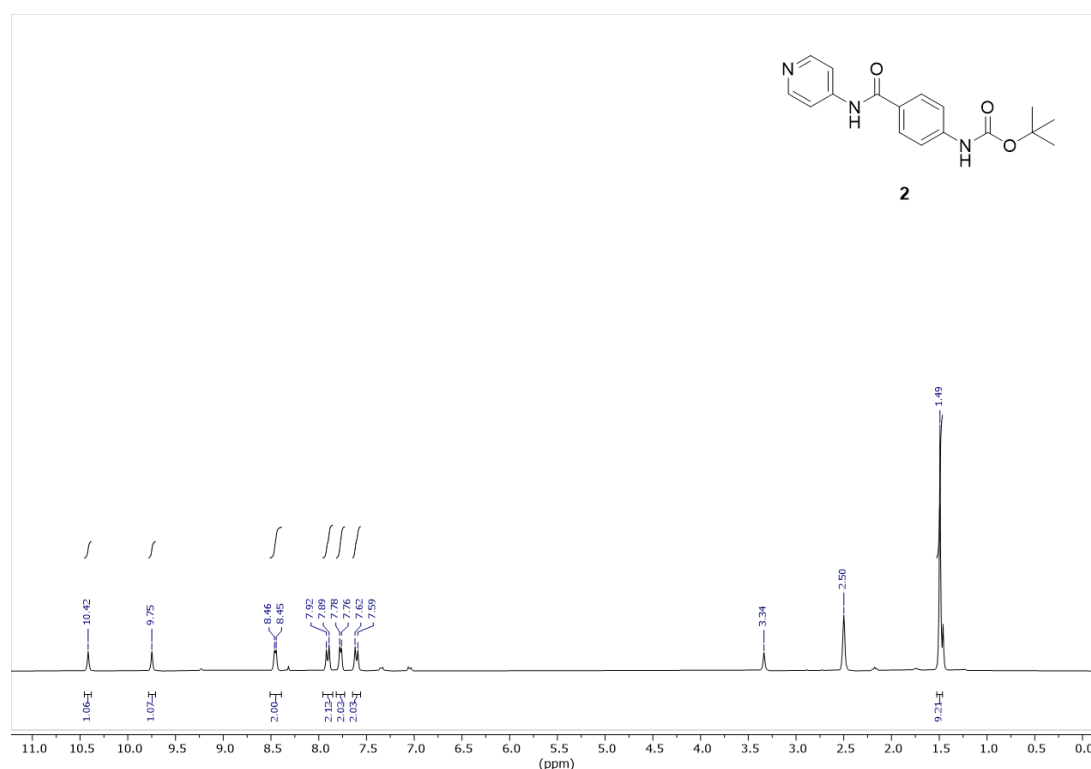


Figure S1. ¹H NMR (300 MHz, DMSO-*d*₆) spectrum of compound 2.

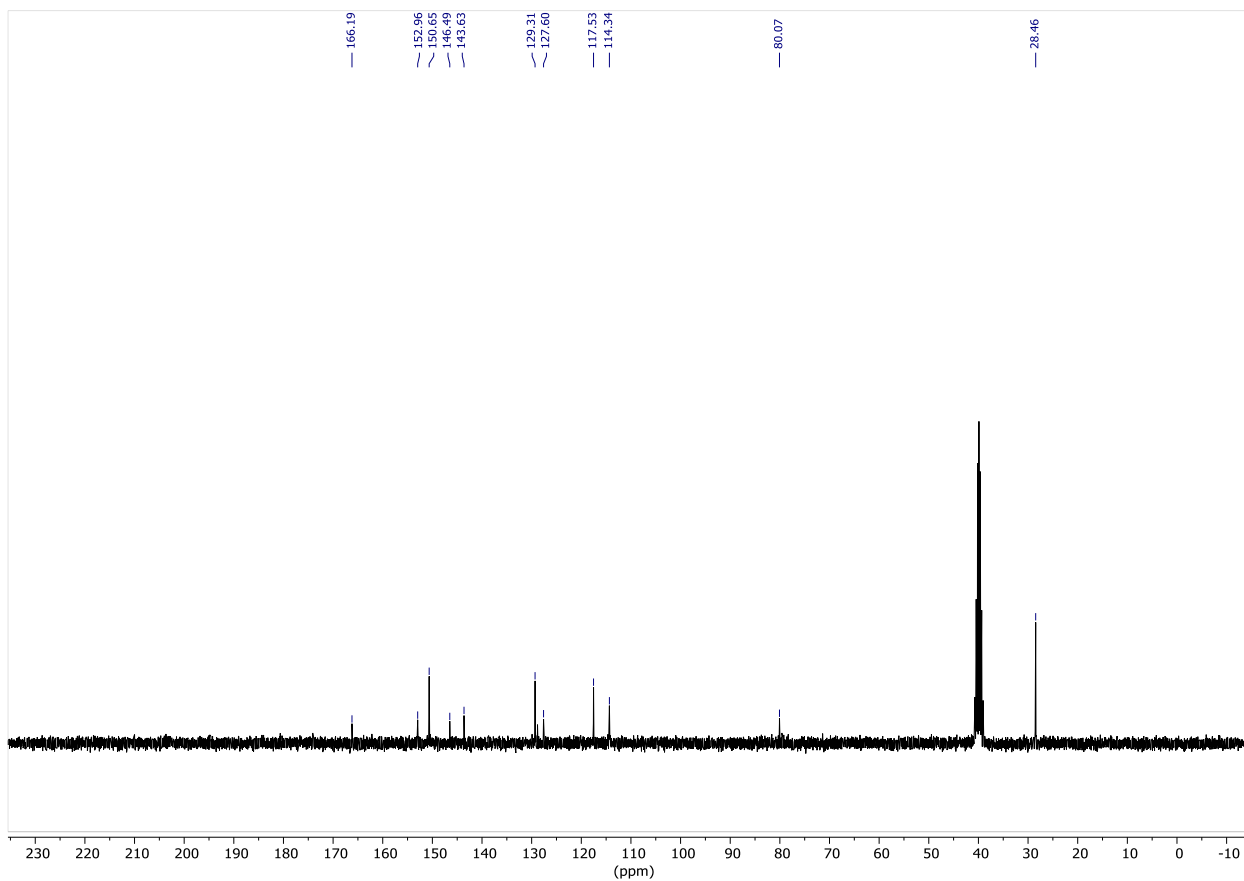


Figure S2. $^{13}\text{C}\{1\}$ NMR (75.5 MHz, $\text{DMSO}-d_6$) spectrum of compound 2.

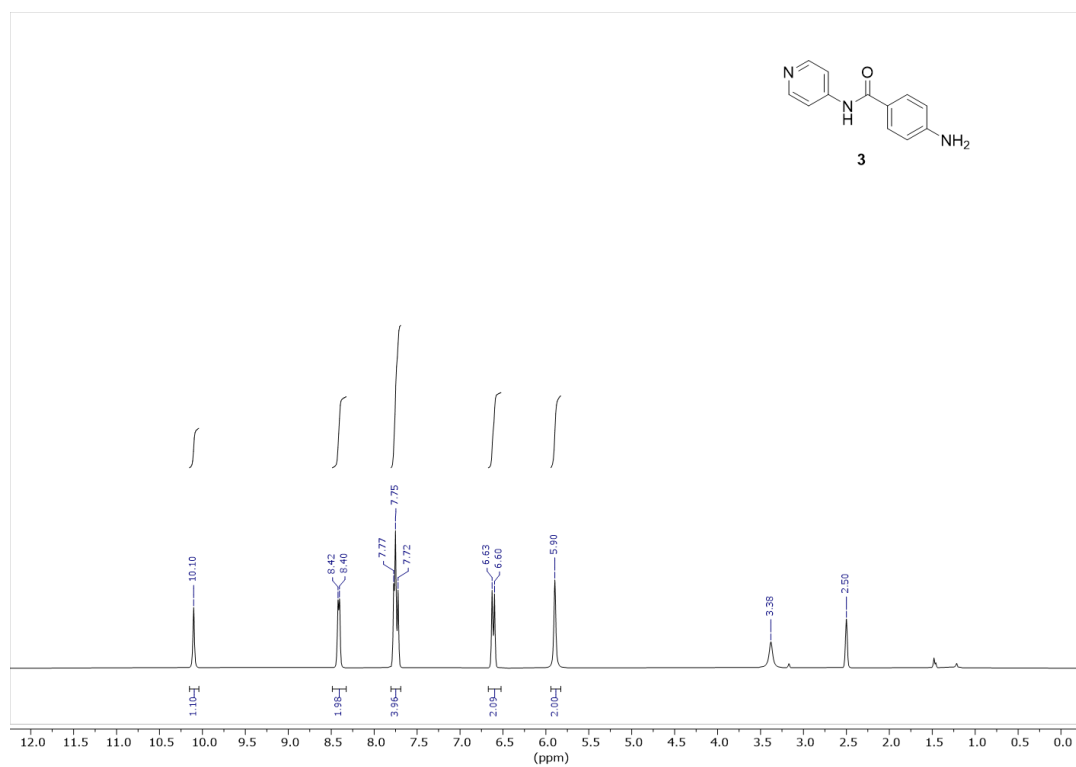


Figure S3. ^1H NMR (300 MHz, $\text{DMSO}-d_6$) spectrum of compound 3.

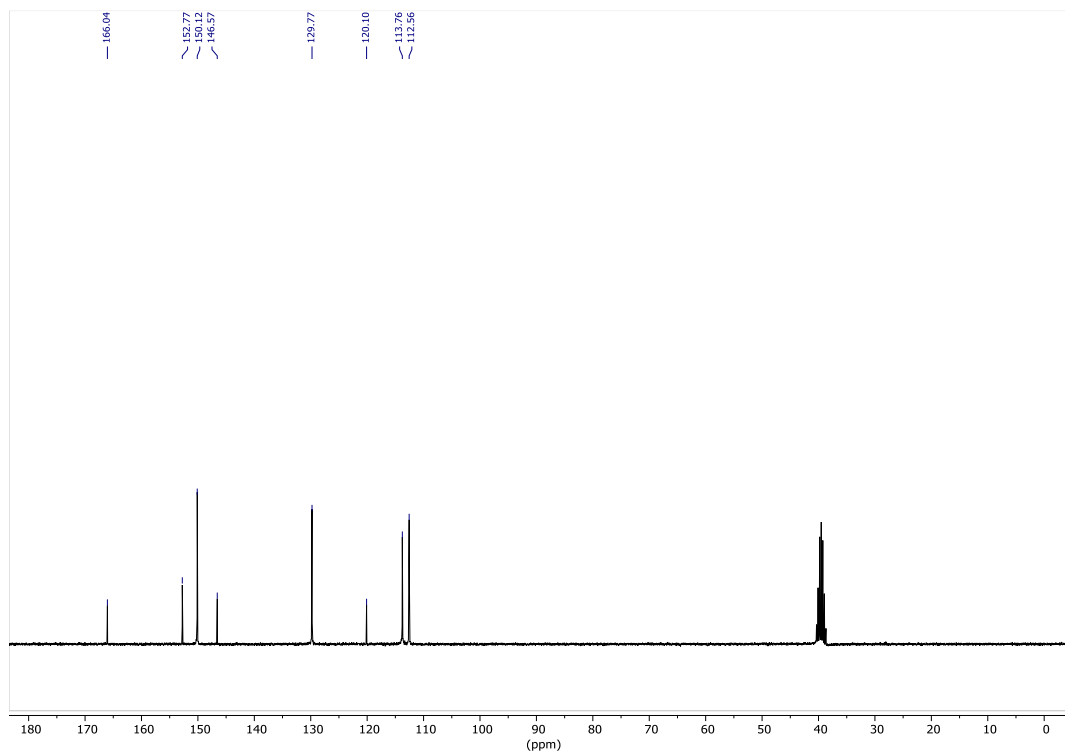


Figure S4. $^{13}\text{C}\{^1\text{H}\}$ NMR (75.5 MHz, $\text{DMSO-}d_6$) spectrum of compound 3.

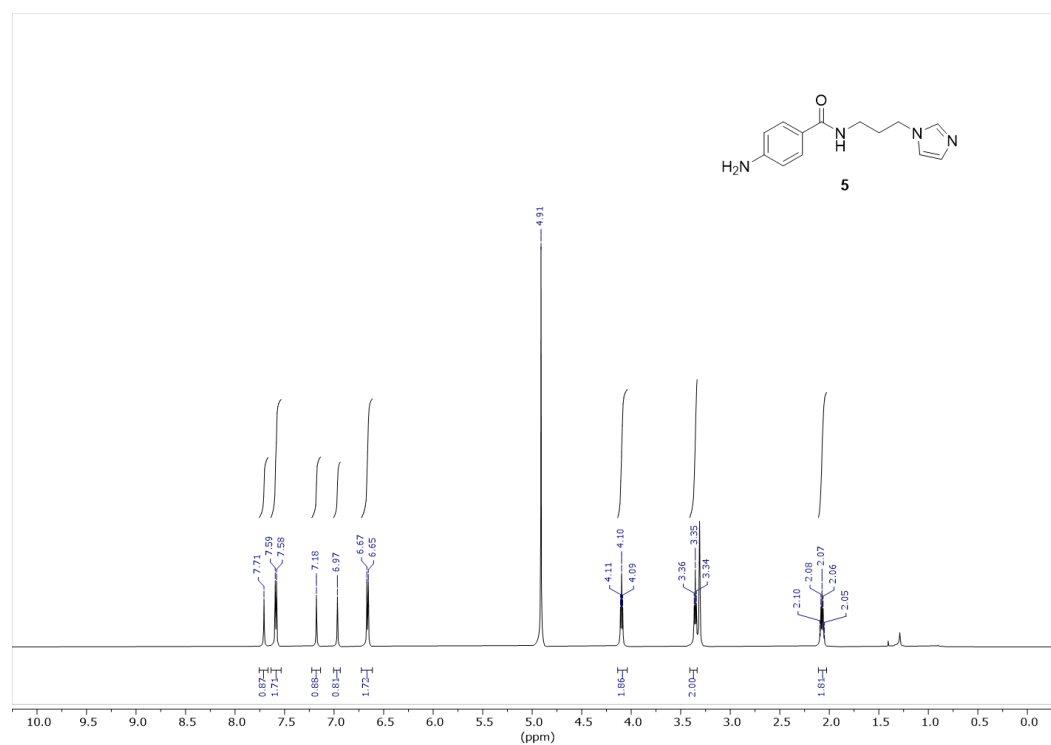


Figure S5. ^1H NMR (600 MHz, $\text{CD}_3\text{OD-}d_4$) spectrum of compound 5.

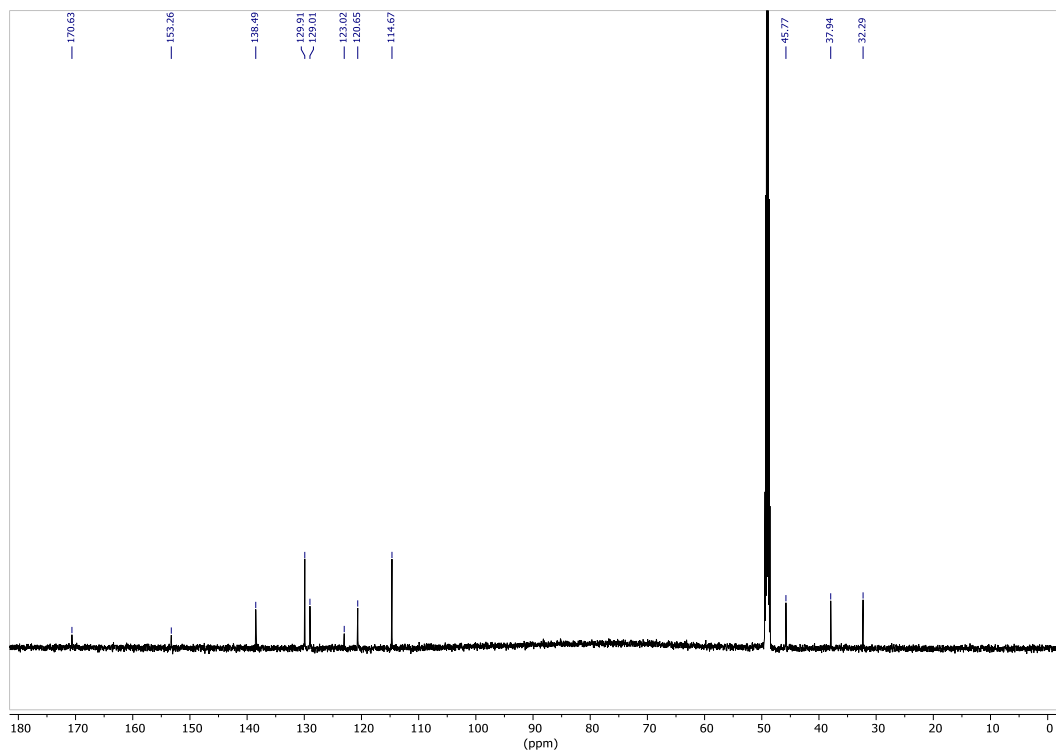


Figure S6. $^{13}\text{C}\{^1\text{H}\}$ NMR (150.9 MHz, $\text{CD}_3\text{OD}-d_4$) spectrum of compound 5.

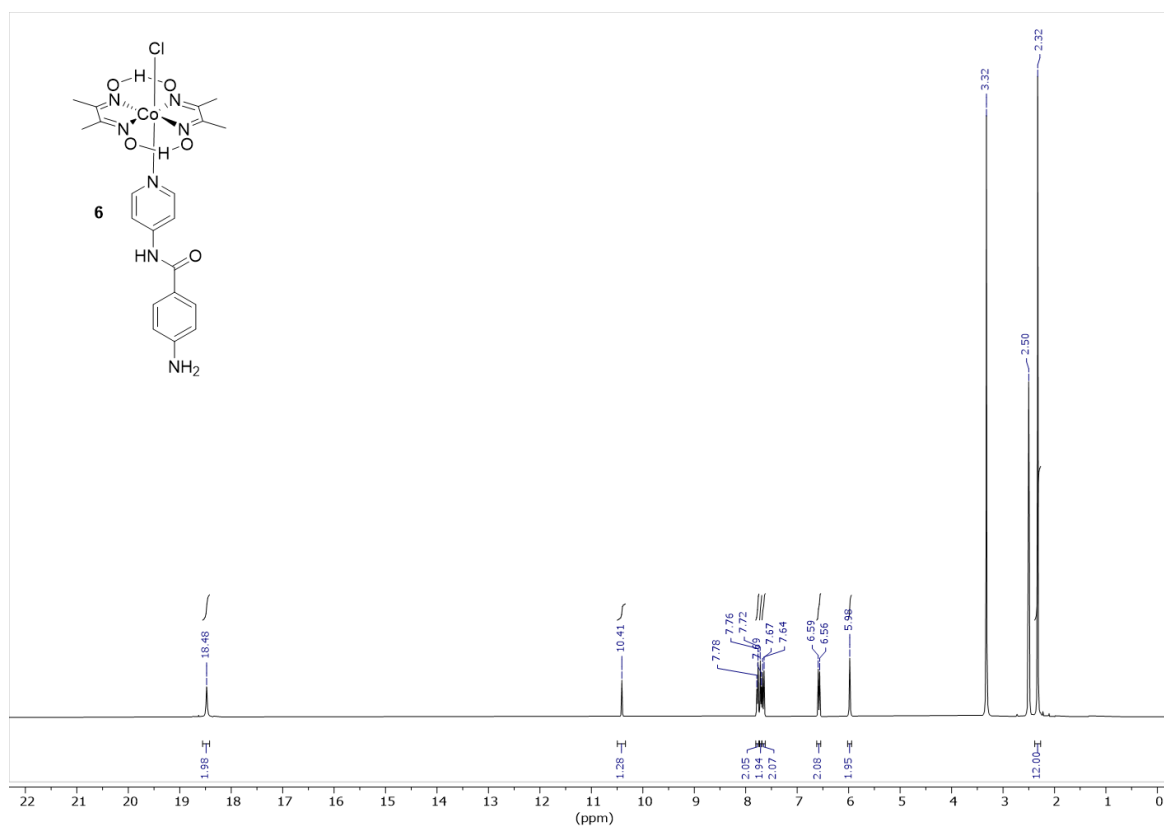


Figure S7. ^1H NMR (600 MHz, $\text{DMSO}-d_6$) spectrum of compound 6.

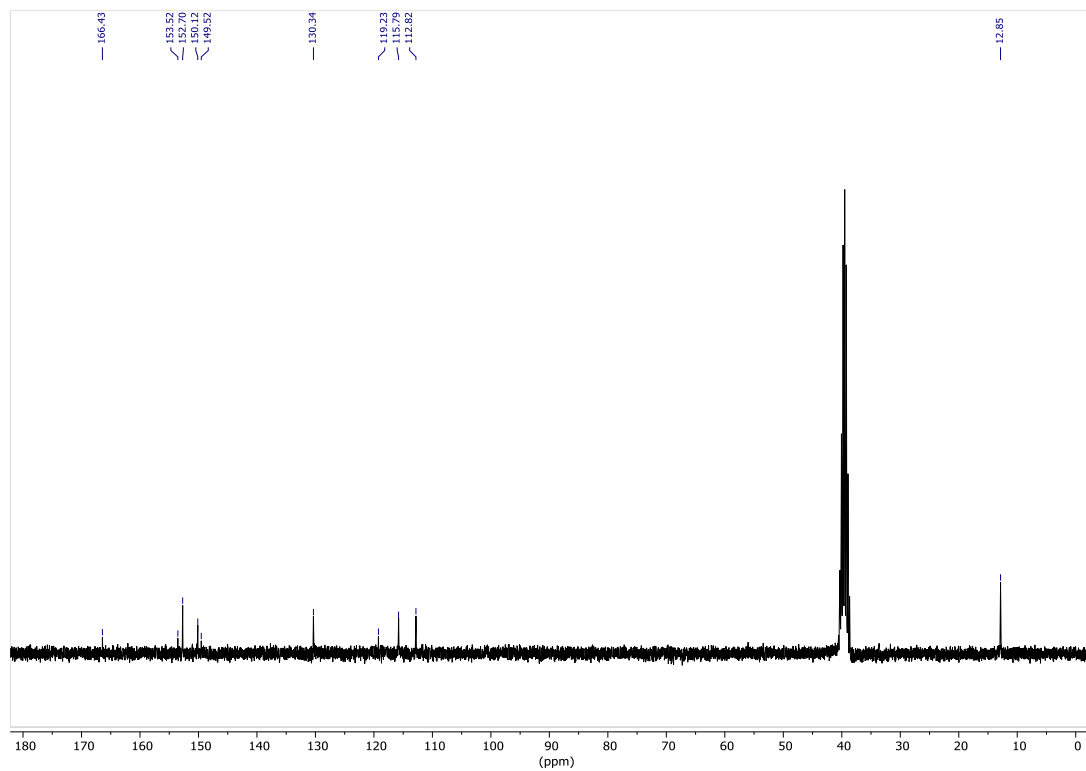


Figure S8. $^{13}\text{C}\{^1\text{H}\}$ NMR (150.9 MHz, $\text{DMSO}-d_6$) spectrum of compound 6.

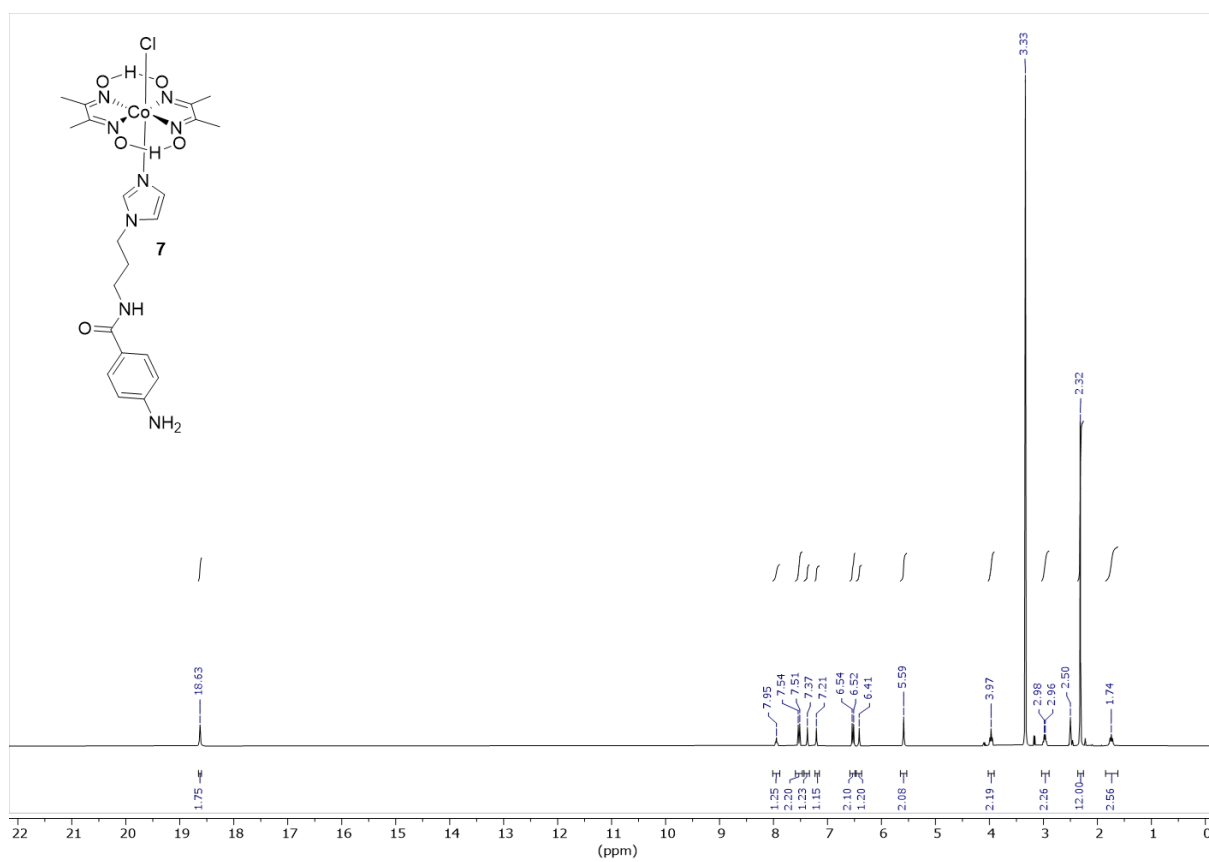


Figure S9. ^1H NMR (300 MHz, $\text{DMSO}-d_6$) spectrum of compound 7.

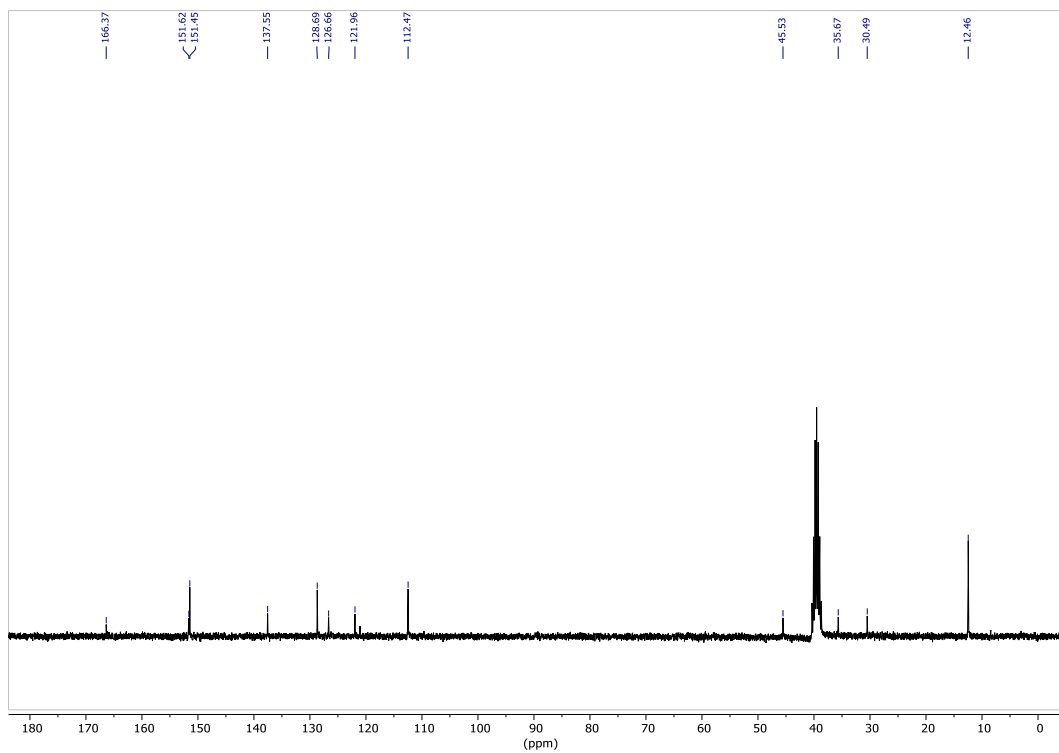


Figure S10. $^{13}\text{C}\{1\}$ NMR (75.5 MHz, $\text{DMSO-}d_6$) of spectrum compound 7.