

Benzylidene Insertion Reactions in Organoplatinum Chemistry: Mechanism and Selectivity

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***Supporting Information***

***Figures S1-S13: NMR spectra of the complexes***

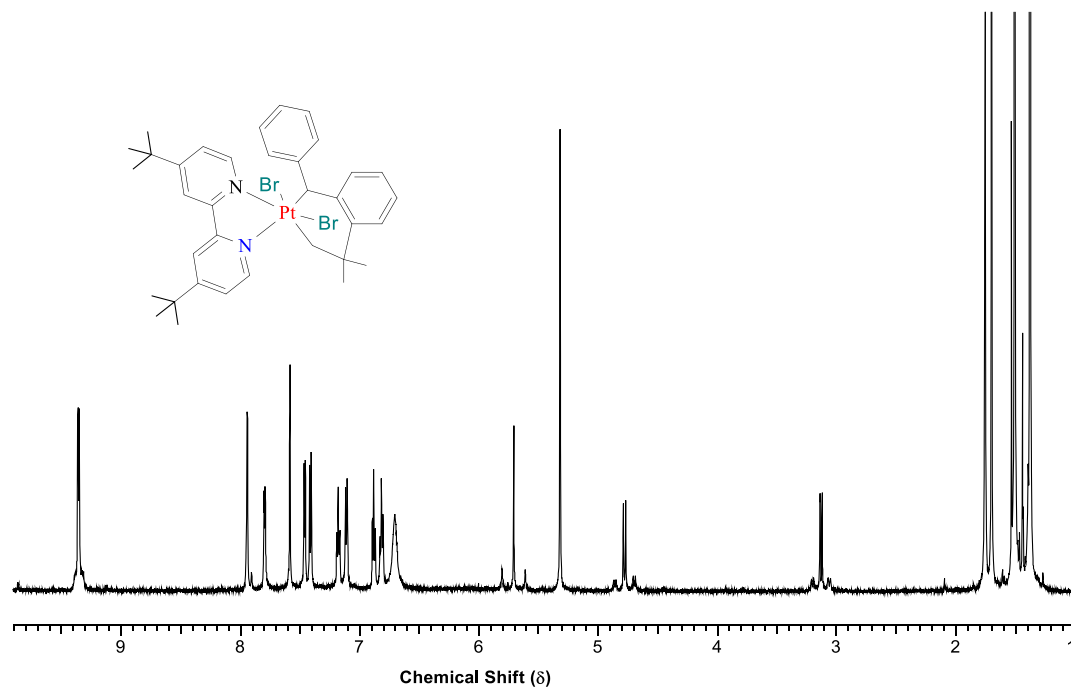


Figure S1:  $^1\text{H}$  NMR spectrum of complex **3** in  $\text{CD}_2\text{Cl}_2$ .

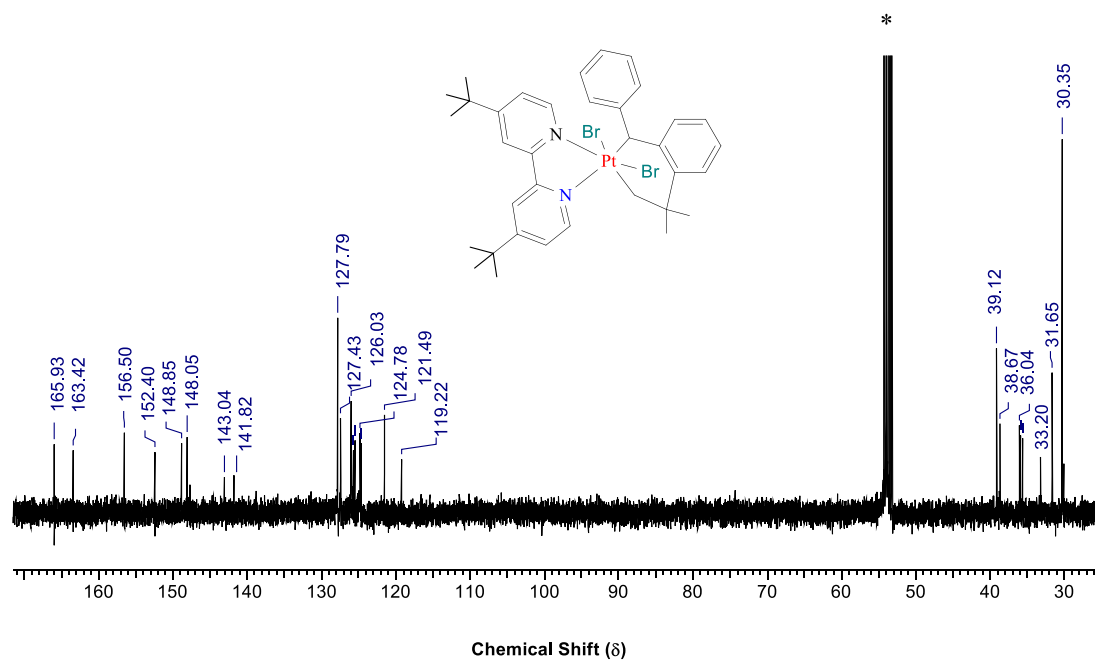


Figure S2:  $^{13}\text{C}$  NMR spectrum of complex 3 in  $\text{CD}_2\text{Cl}_2$ .

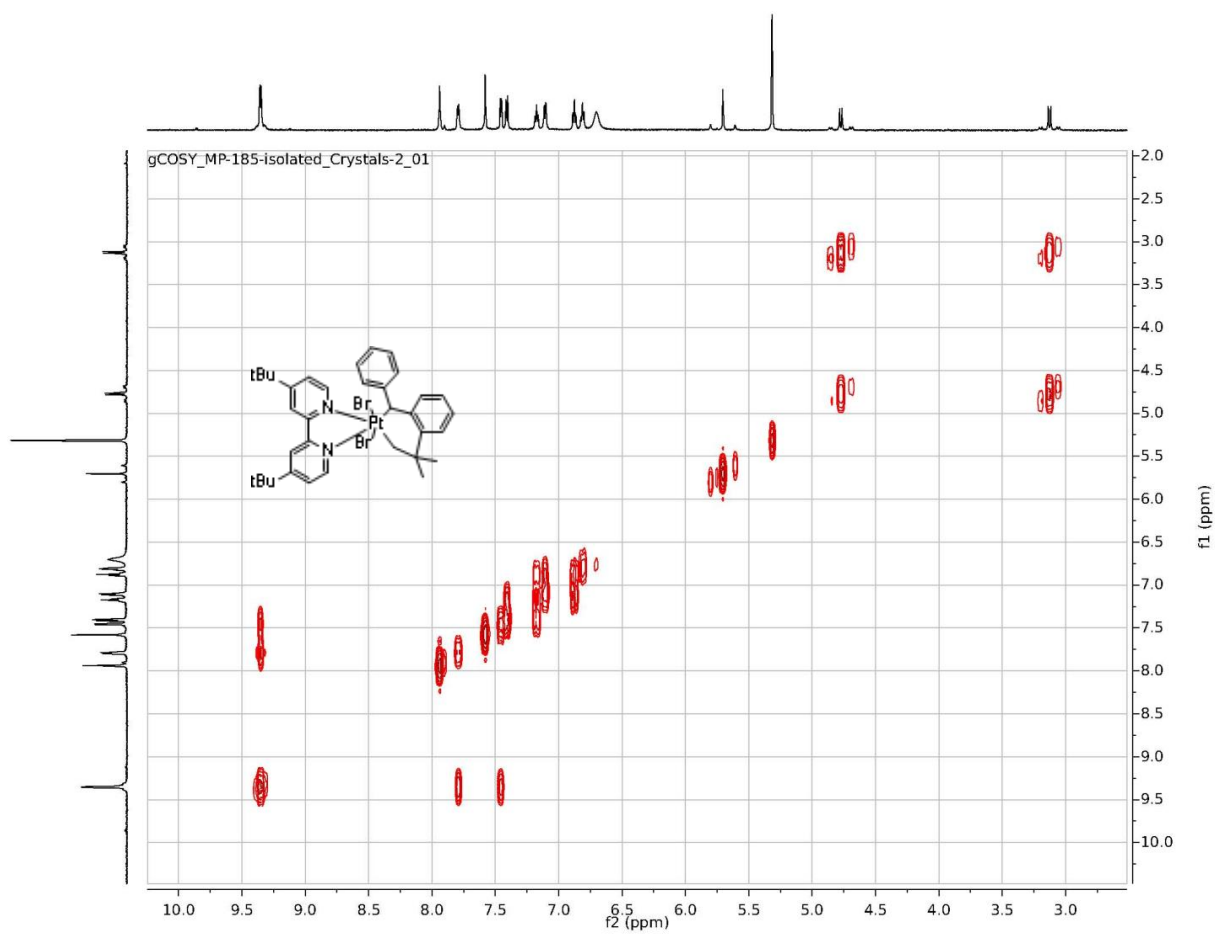


Figure S3:  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of complex **3** in  $\text{CD}_2\text{Cl}_2$ .

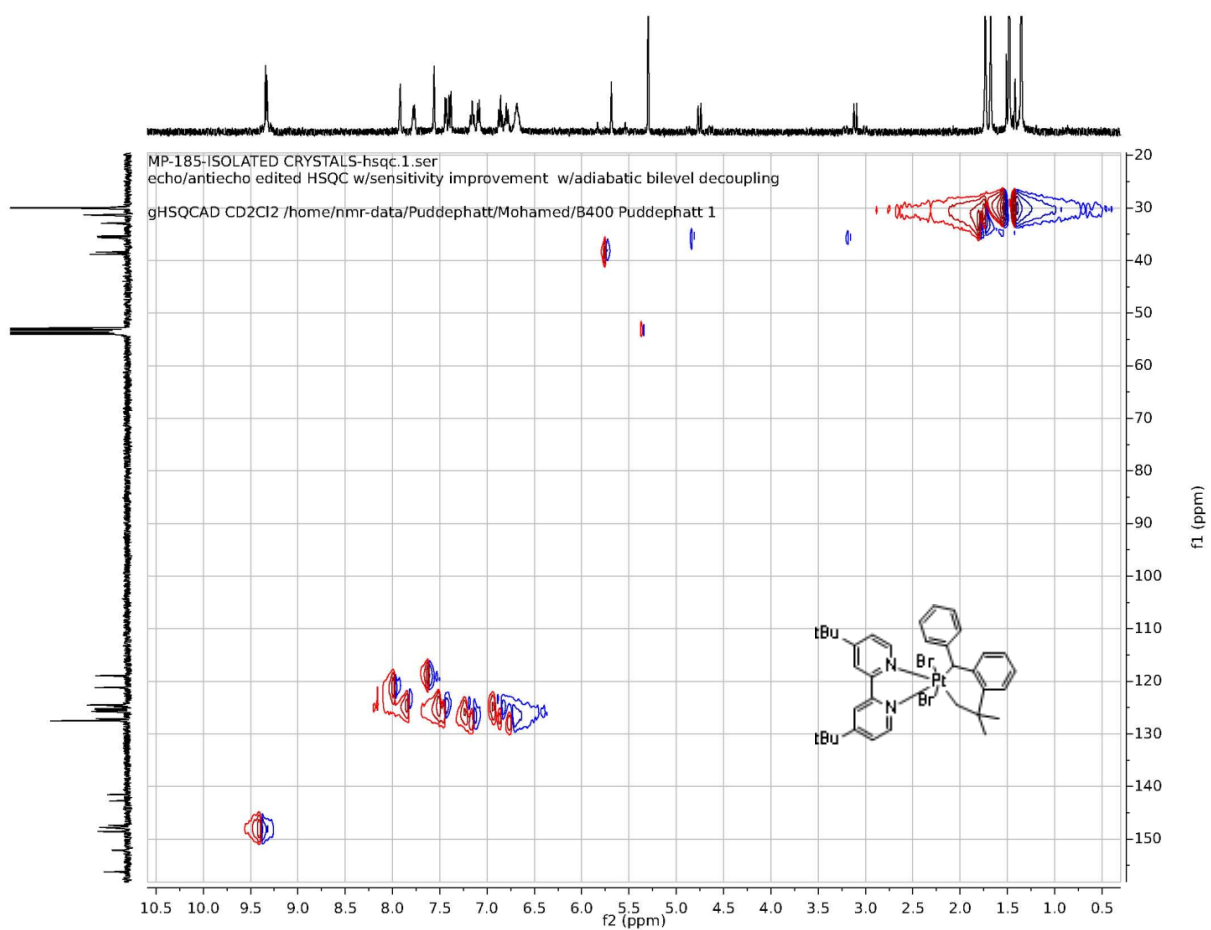


Figure S4:  $^1\text{H}$ - $^{13}\text{C}$  HSQC spectrum of complex **3** in  $\text{CD}_2\text{Cl}_2$ .

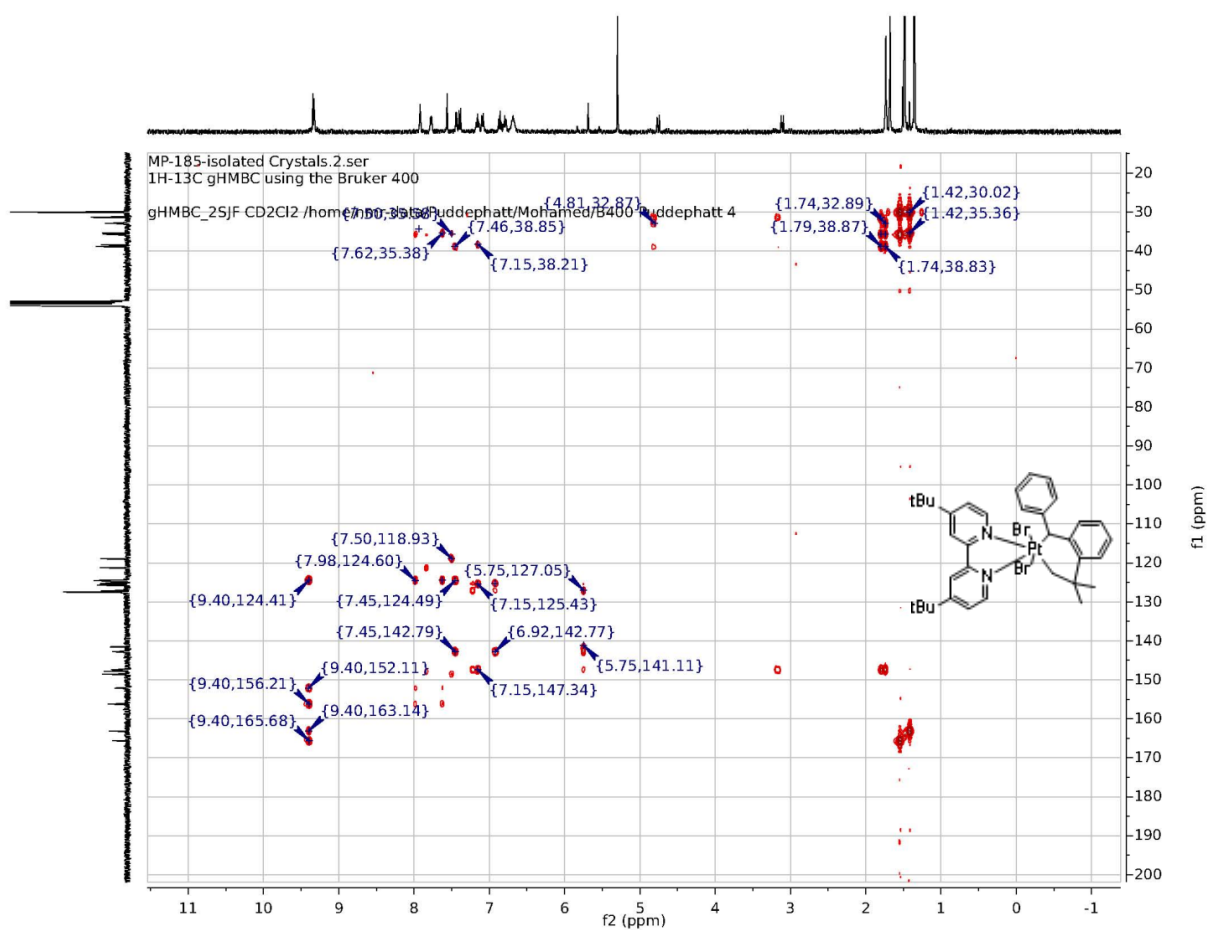


Figure S5:  $^1\text{H}$ - $^{13}\text{C}$  HMBC spectrum of complex **3** in  $\text{CD}_2\text{Cl}_2$ .

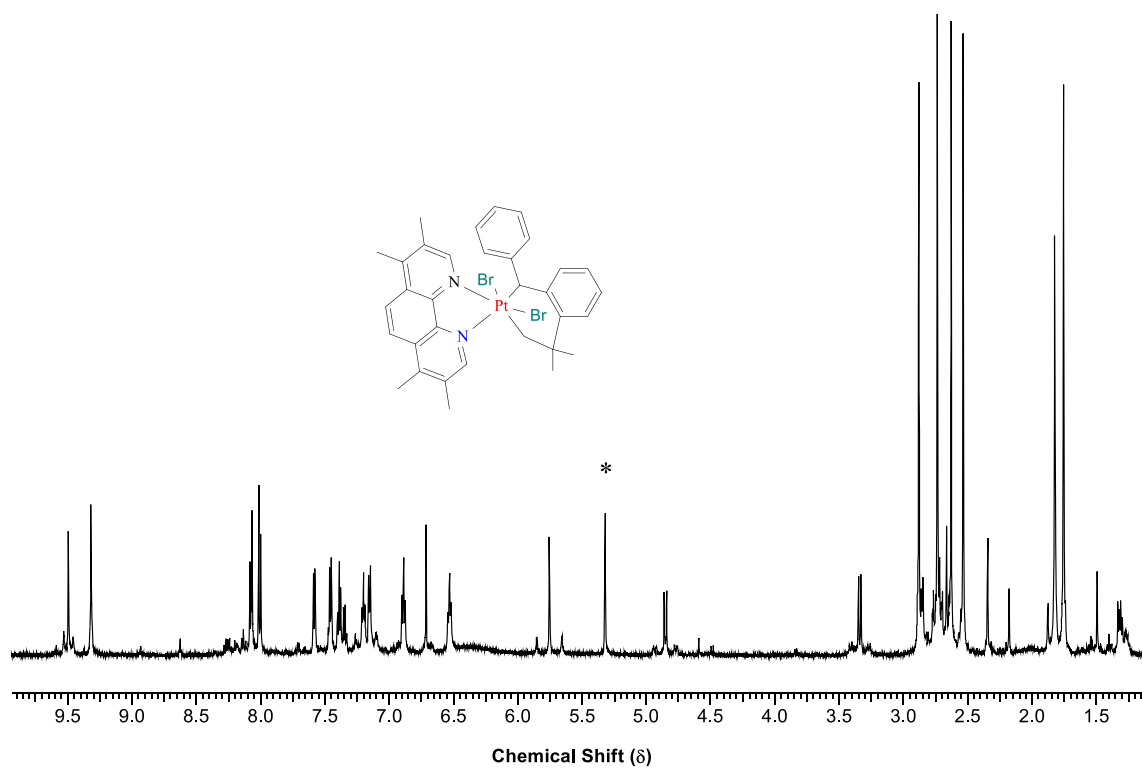


Figure S6:  $^1\text{H}$  NMR spectrum of complex **4** in  $\text{CD}_2\text{Cl}_2$ .

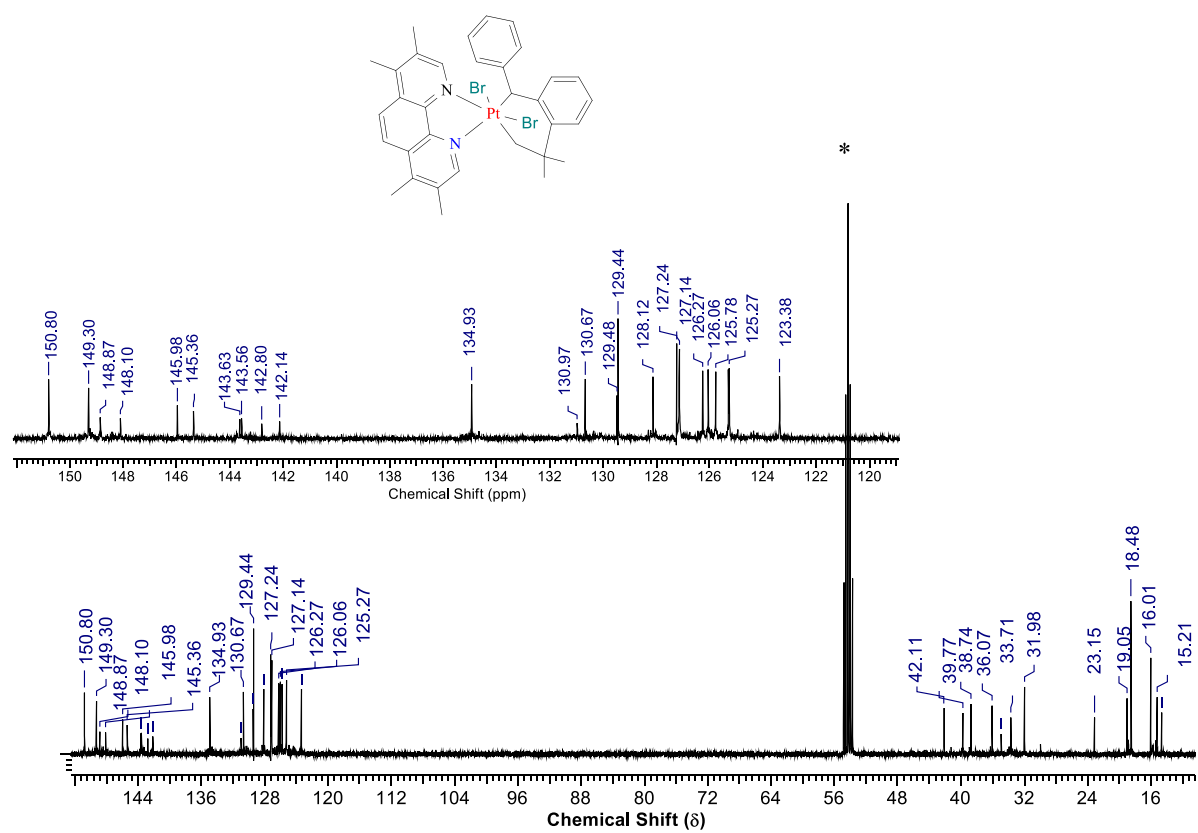


Figure S7: <sup>13</sup>C NMR spectrum of complex 4 in CD<sub>2</sub>Cl<sub>2</sub>.

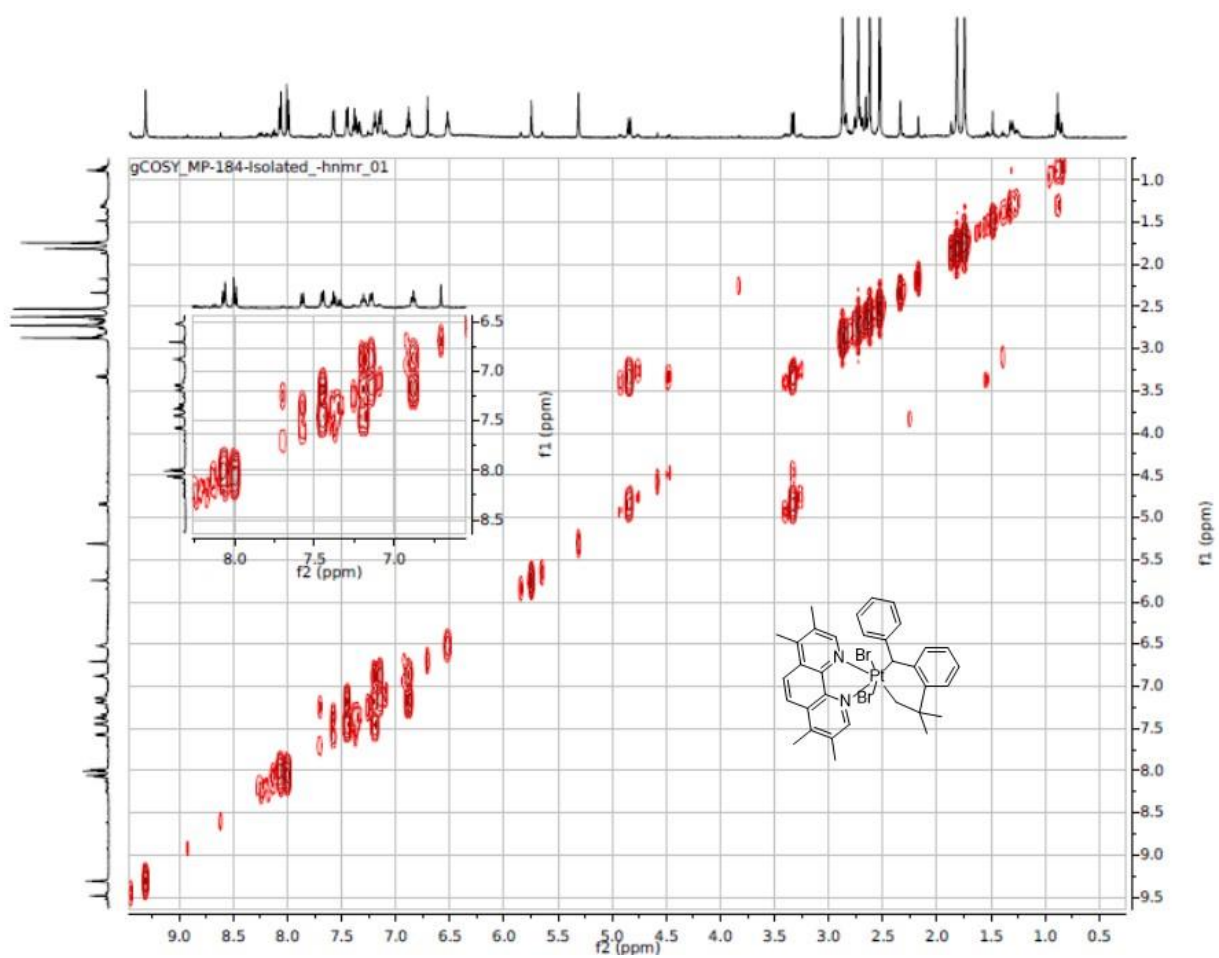


Figure S8:  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of complex 4 in  $\text{CD}_2\text{Cl}_2$ .

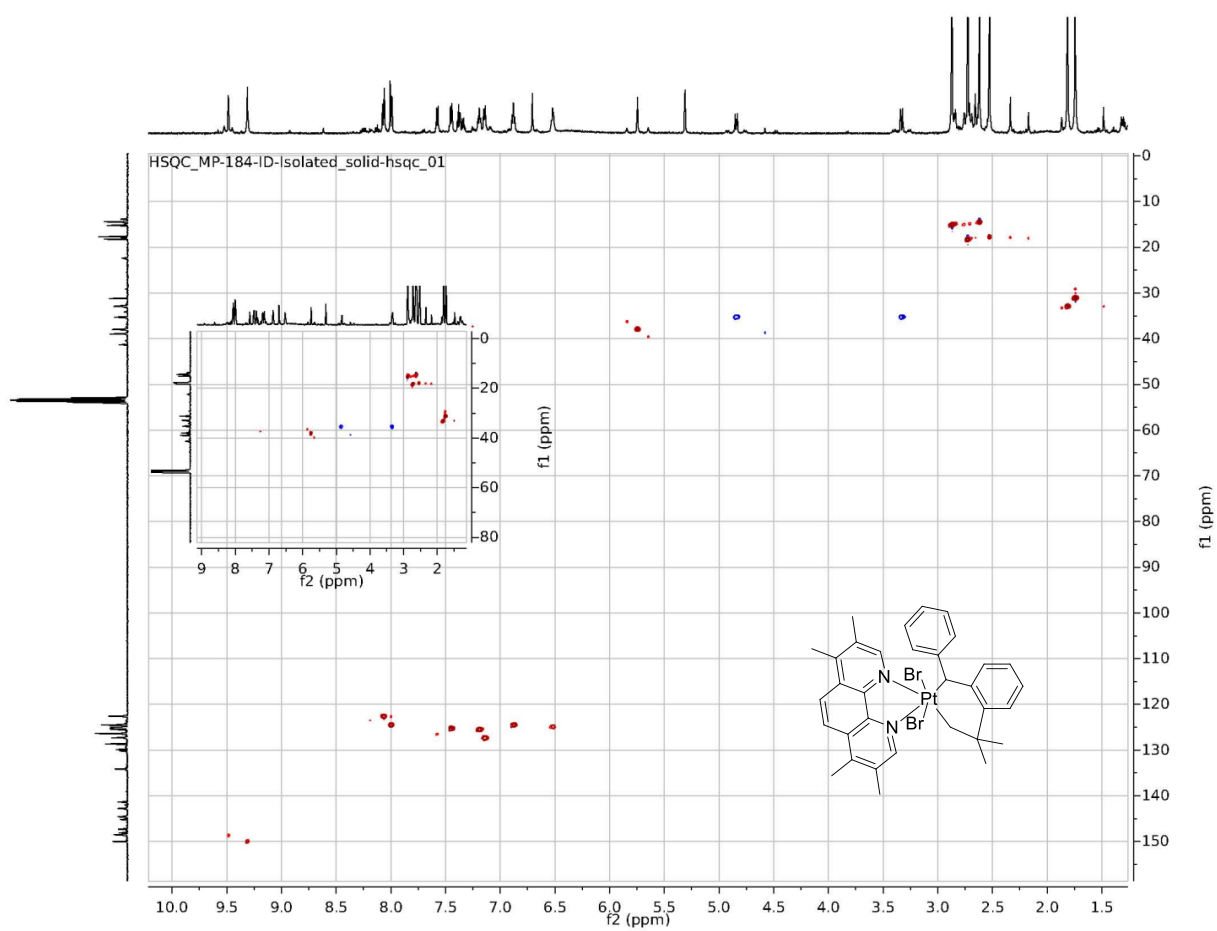


Figure S9:  $^1\text{H}$ - $^{13}\text{C}$  HSQC spectrum of complex **4** in  $\text{CD}_2\text{Cl}_2$ .

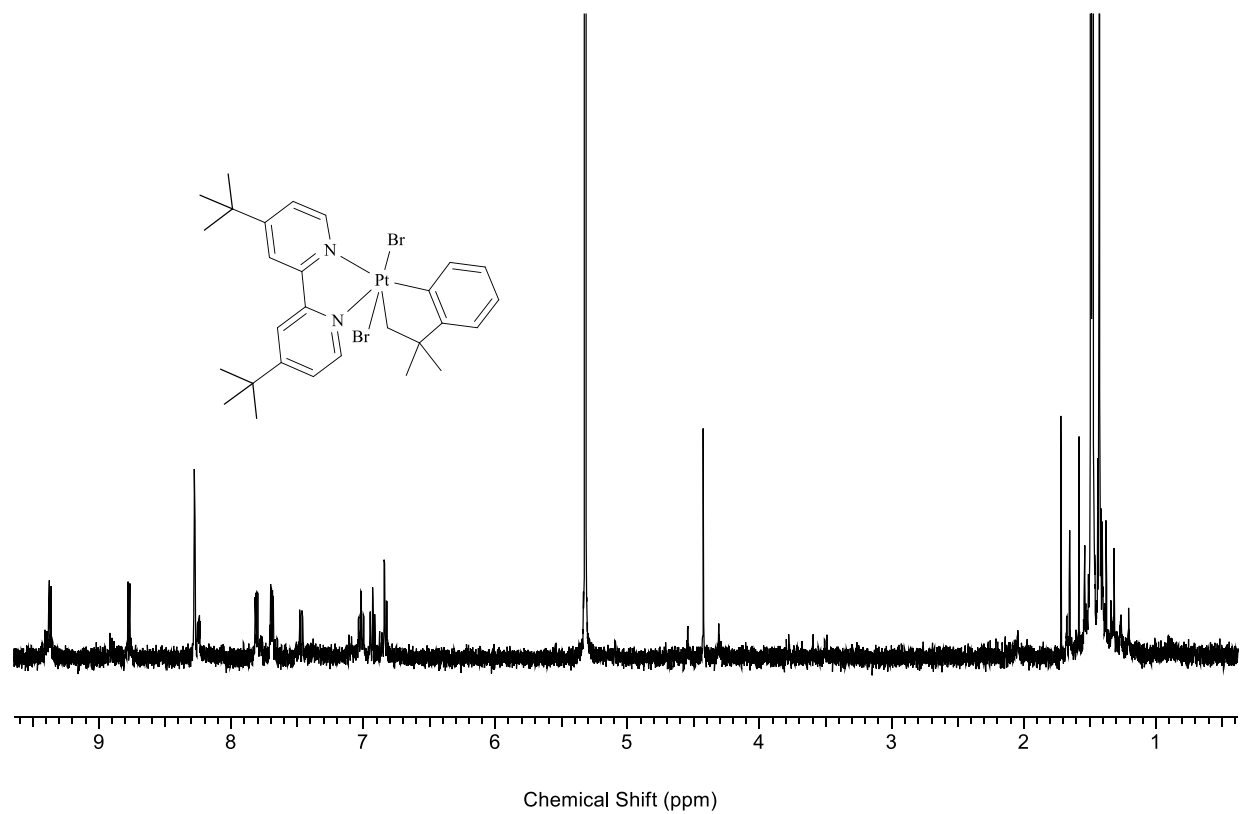


Figure S10:  $^1\text{H}$ NMR spectrum of complex **7** in  $\text{CD}_2\text{Cl}_2$ .

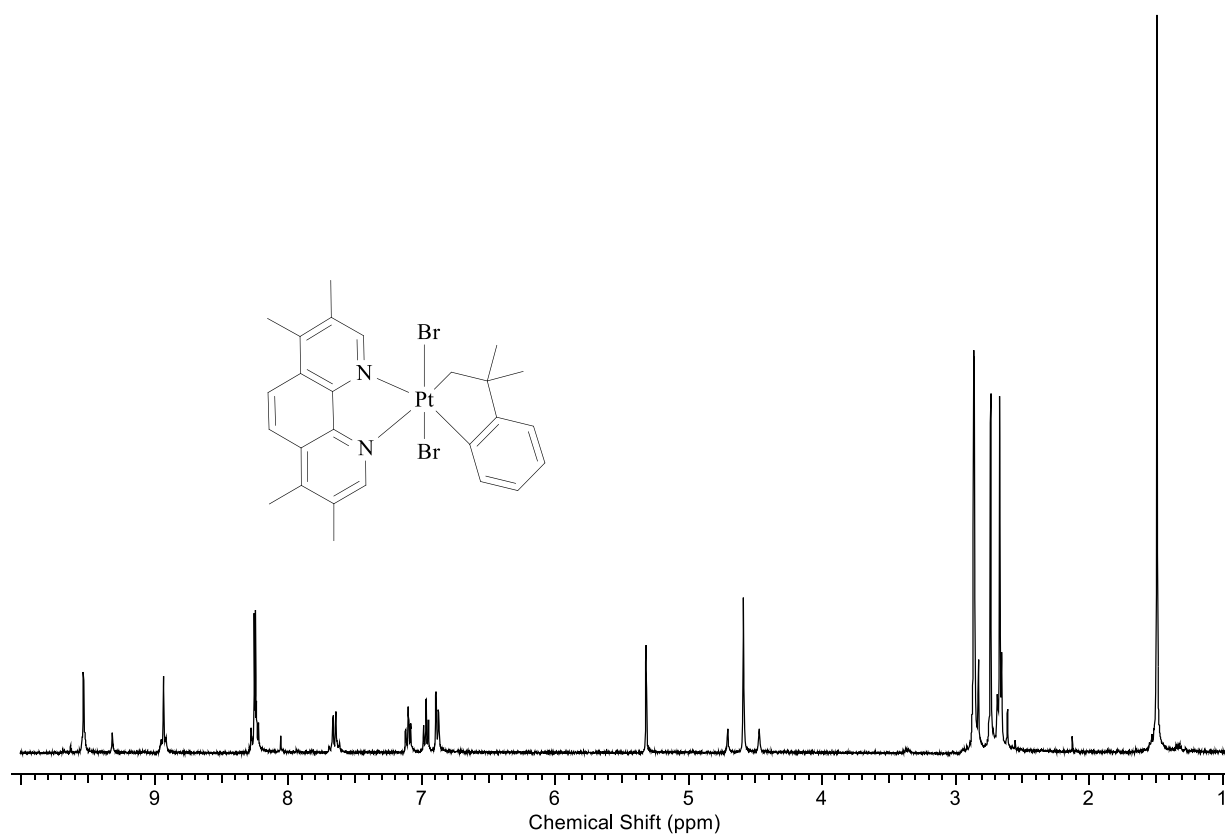


Figure S11:  $^1\text{H}$ NMR spectrum of complex **8** in  $\text{CD}_2\text{Cl}_2$ .

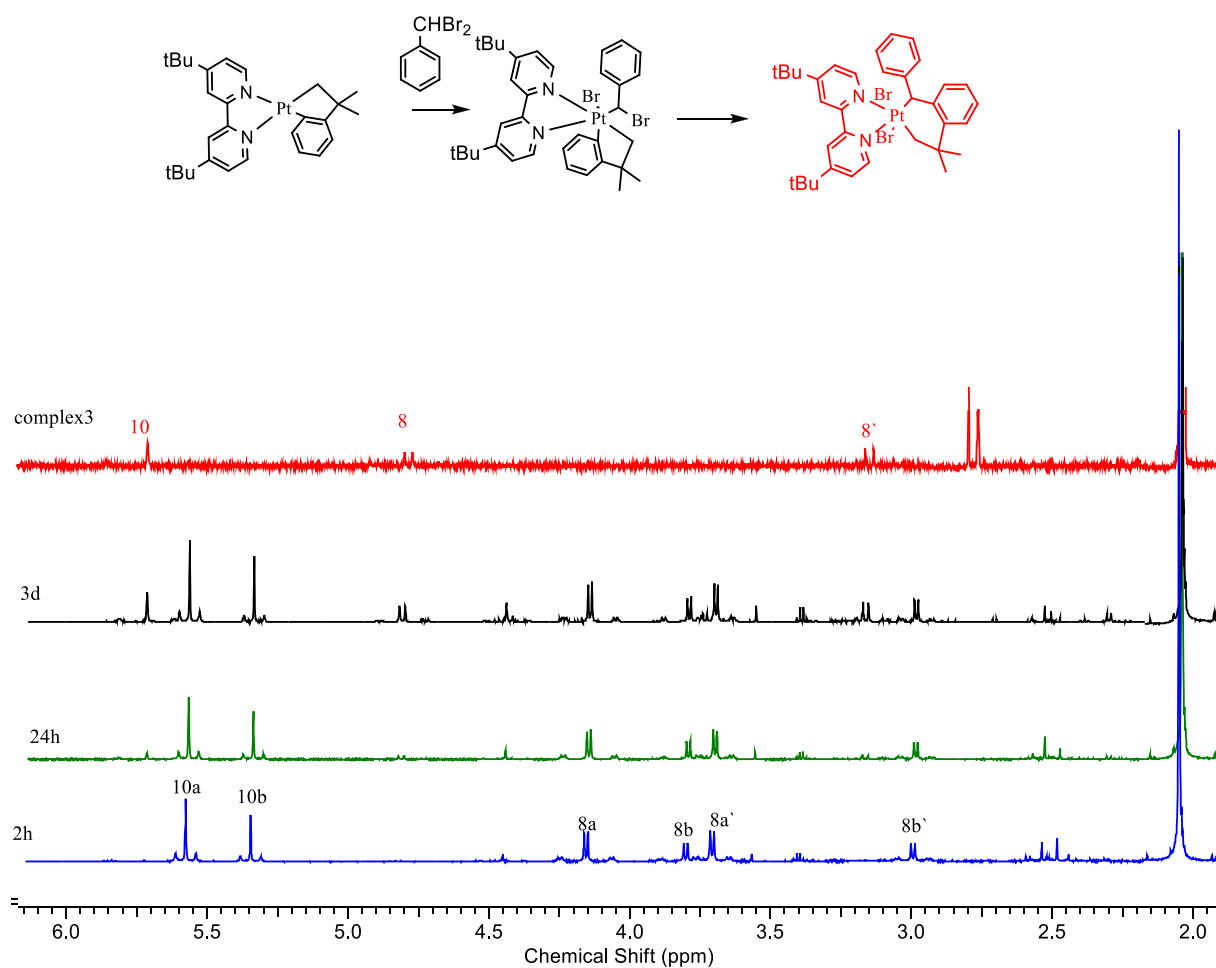


Figure S12.  $^1\text{H NMR}$  spectra (Pt-CH<sub>2</sub> region): Monitoring of formation of complex 3 from 5

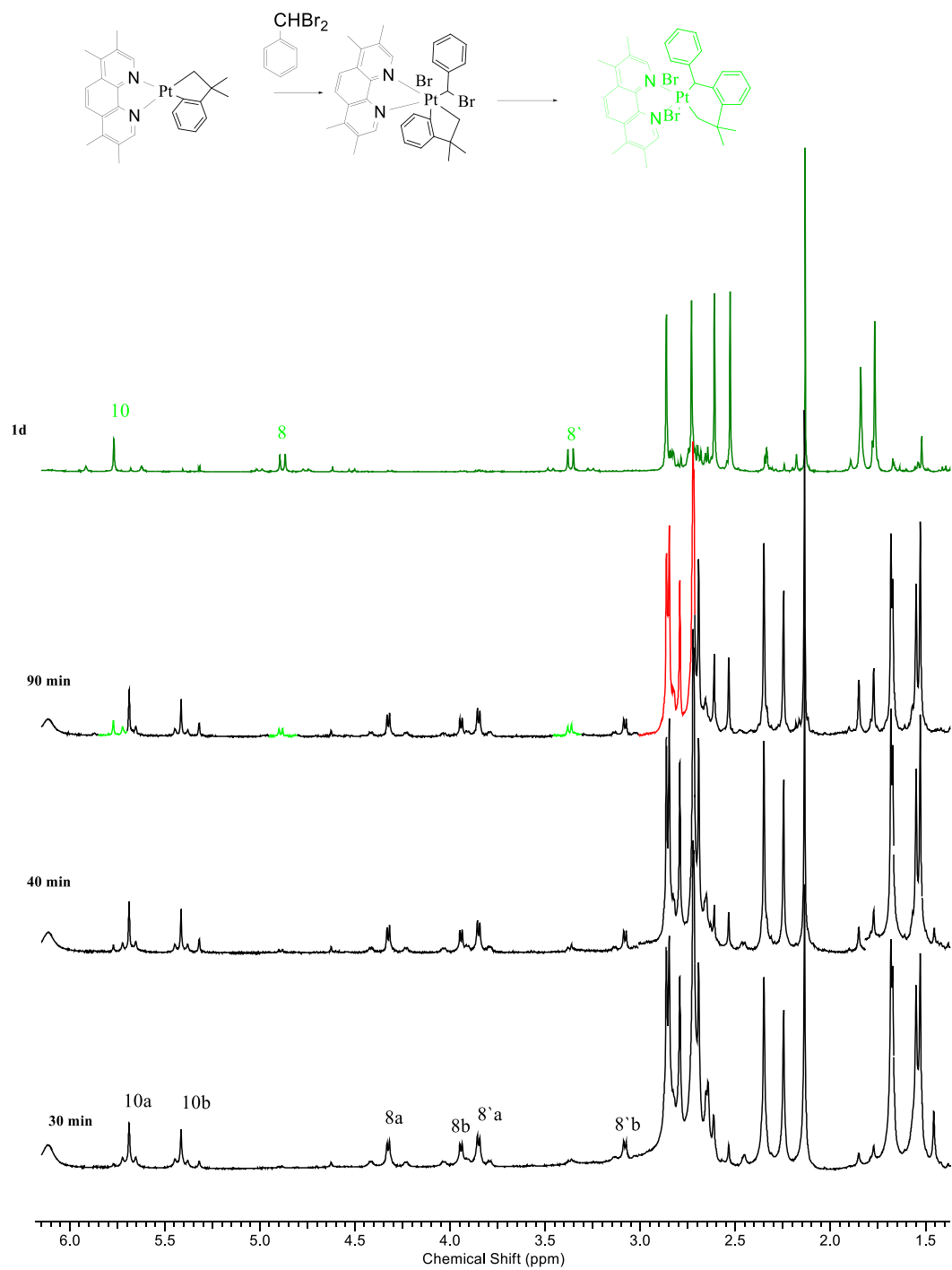


Figure S13.  $^1\text{H}$  NMR spectra (Pt- $\text{CH}_2$  region): Monitoring of formation of complex **4** from **6**