

## Supporting Information

### C-glycosylation in Platinum-Based Agents: a Viable Strategy to Improve Cytotoxicity and Selectivity

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**Figure S1.** <sup>1</sup>H and <sup>13</sup>C NMR spectra of **1gal<sub>6</sub>-I** (in CDCl<sub>3</sub>, 400 MHz, 298 K).

**Figure S2.** <sup>1</sup>H and <sup>13</sup>C NMR spectra of **1gal<sub>6</sub>-Br** (in CDCl<sub>3</sub>, 400 MHz, 298 K).

**Figure S3.** <sup>1</sup>H and <sup>13</sup>C NMR spectra of **1gal<sub>6</sub>-Cl** (in CDCl<sub>3</sub>, 400 MHz, 298 K).

**Figure S4.** <sup>1</sup>H and <sup>13</sup>C NMR spectra of **1gal<sub>1</sub>-I** (in CDCl<sub>3</sub>, 400 MHz, 298 K).

**Figure S5.** <sup>1</sup>H and <sup>13</sup>C NMR spectra of **1gal<sub>1</sub>-Br** (in CDCl<sub>3</sub>, 400 MHz, 298 K).

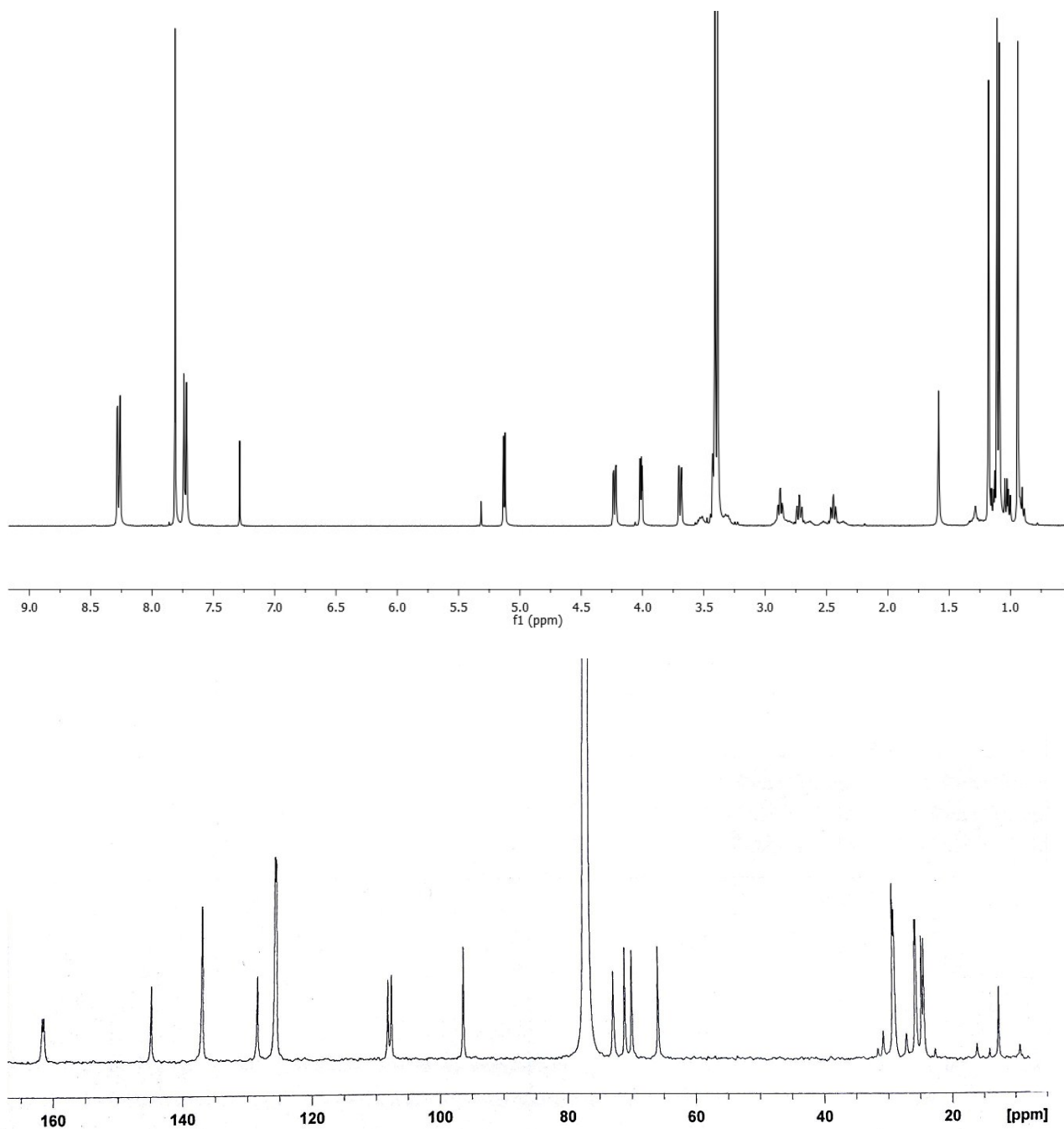
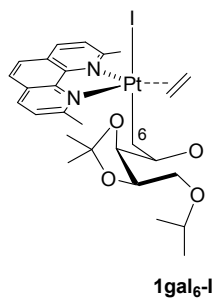
**Figure S6.** <sup>1</sup>H and <sup>13</sup>C NMR spectra of **1gal<sub>1</sub>-Cl** (in CDCl<sub>3</sub>, 400 MHz, 298 K).

**Figure S7.** <sup>1</sup>H and <sup>13</sup>C NMR spectra of **1gal<sub>1</sub>-Idep** (in acetone-d<sub>6</sub>, 400 MHz, 298 K).

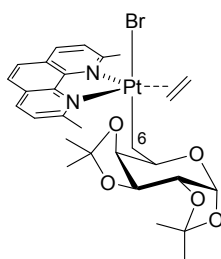
**Figure S8.** <sup>1</sup>H and <sup>13</sup>C NMR spectra of **1glu<sub>1</sub>-I** (in CDCl<sub>3</sub>, 400 MHz, 298 K).

**Figure S9.** <sup>1</sup>H and <sup>13</sup>C NMR spectra of **1glu<sub>1</sub>-Br** (in CDCl<sub>3</sub>, 400 MHz, 298 K).

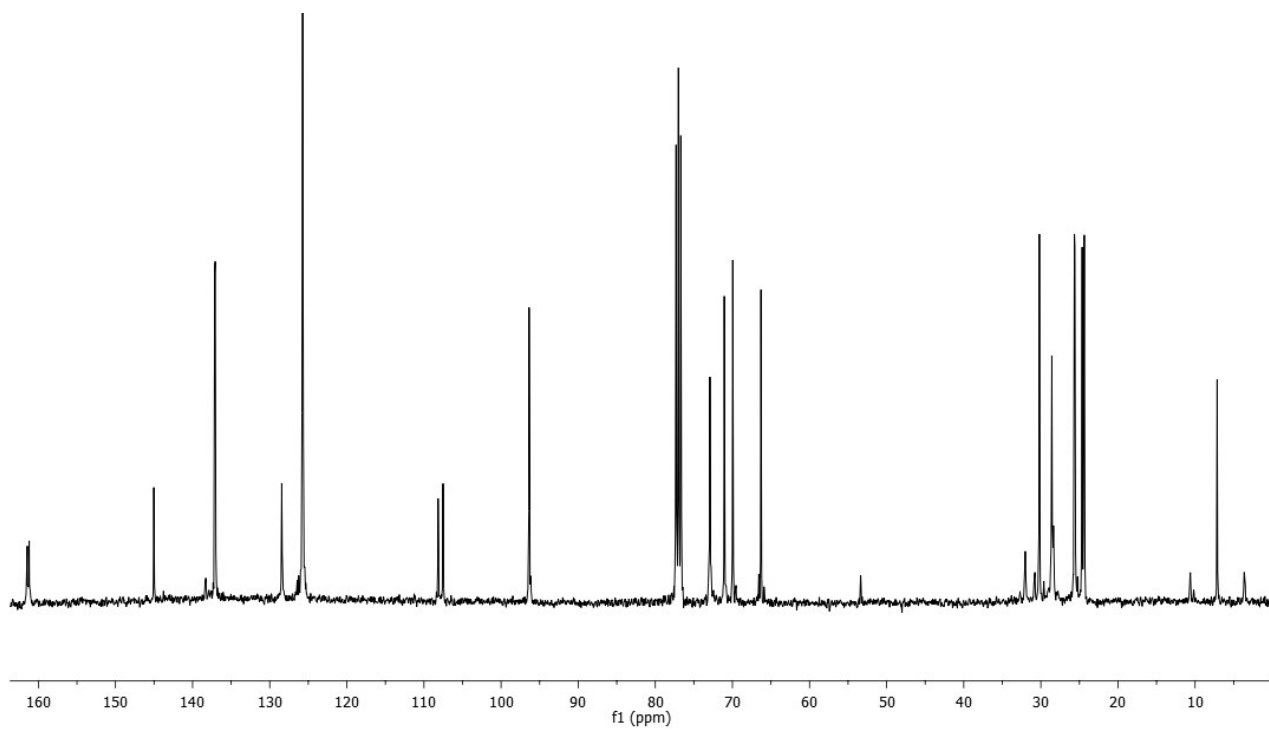
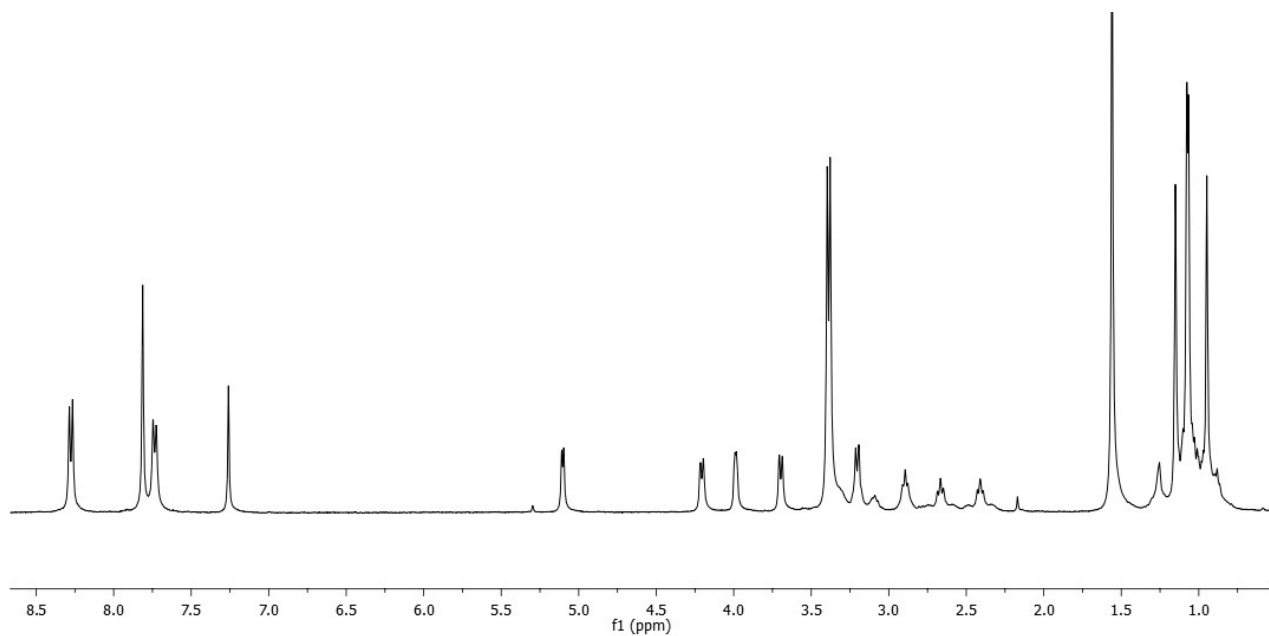
**Figure S10.** <sup>1</sup>H and <sup>13</sup>C NMR spectra of **1glu<sub>1</sub>-Cl** (in CDCl<sub>3</sub>, 400 MHz, 298 K).



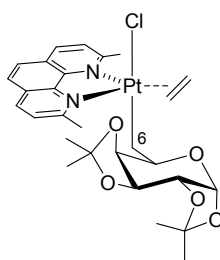
**Figure S1.** <sup>1</sup>H and <sup>13</sup>C NMR spectra of **1gal<sub>6</sub>-I** (in CDCl<sub>3</sub>, 400 MHz, 298 K).



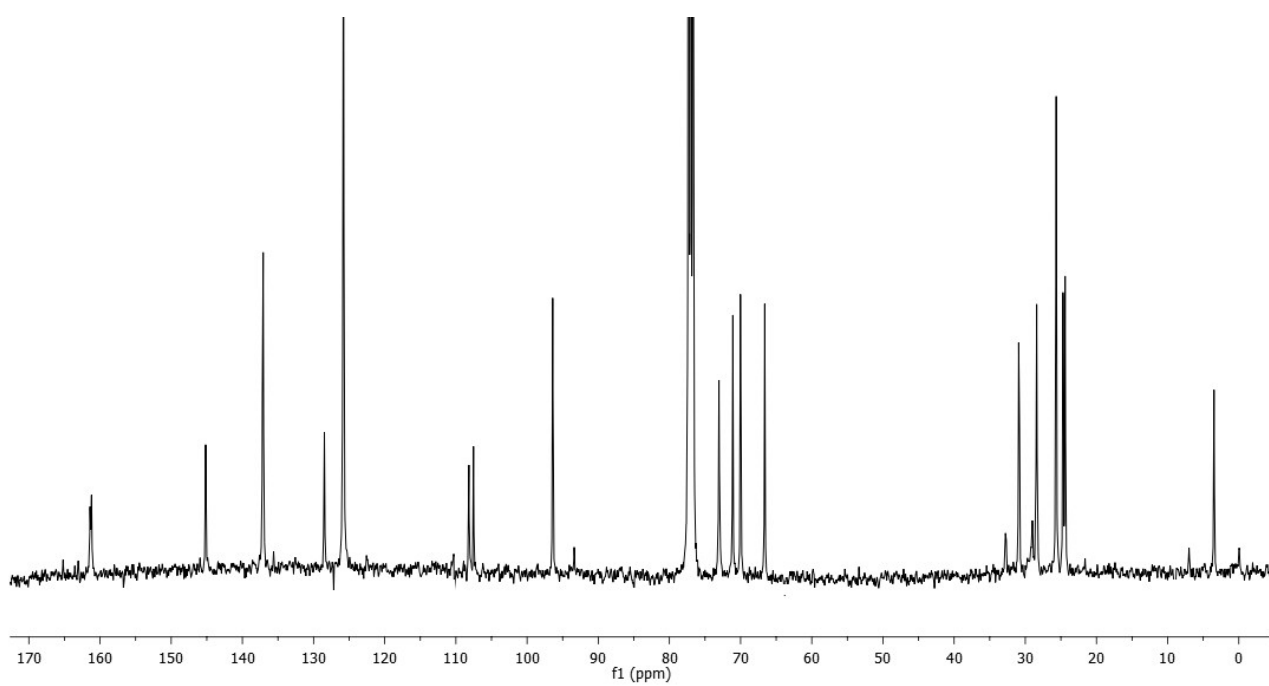
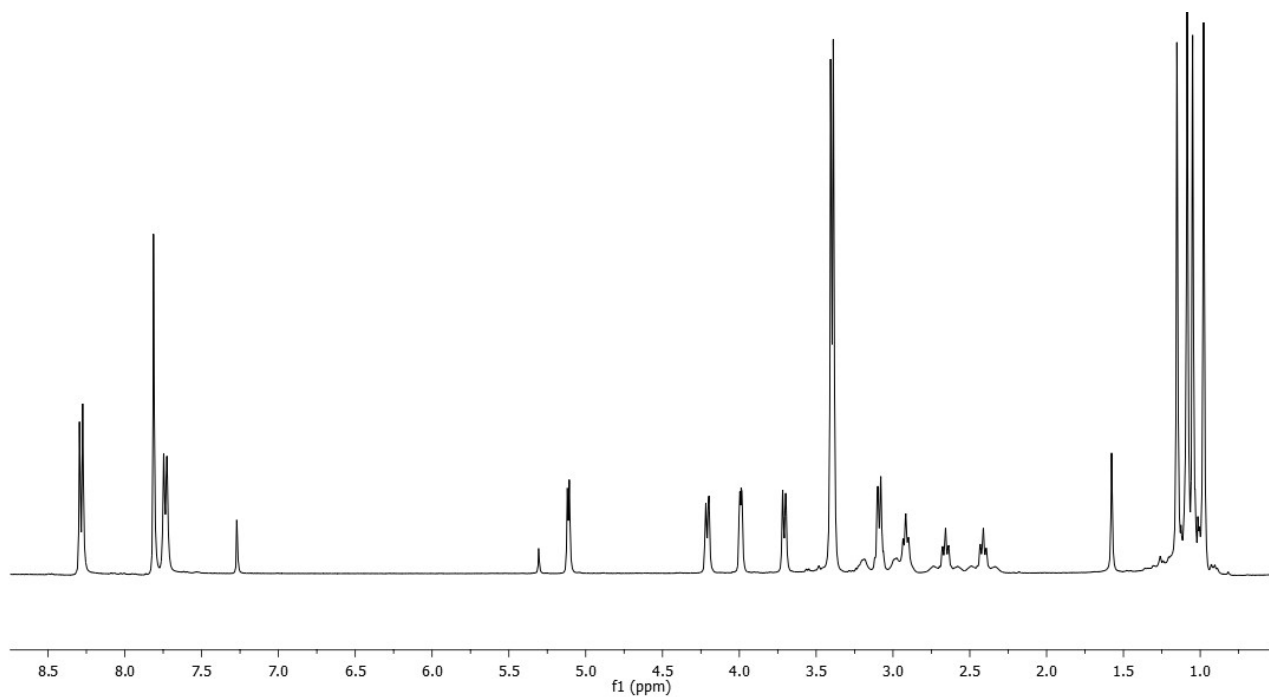
**1gal<sub>6</sub>-Br**



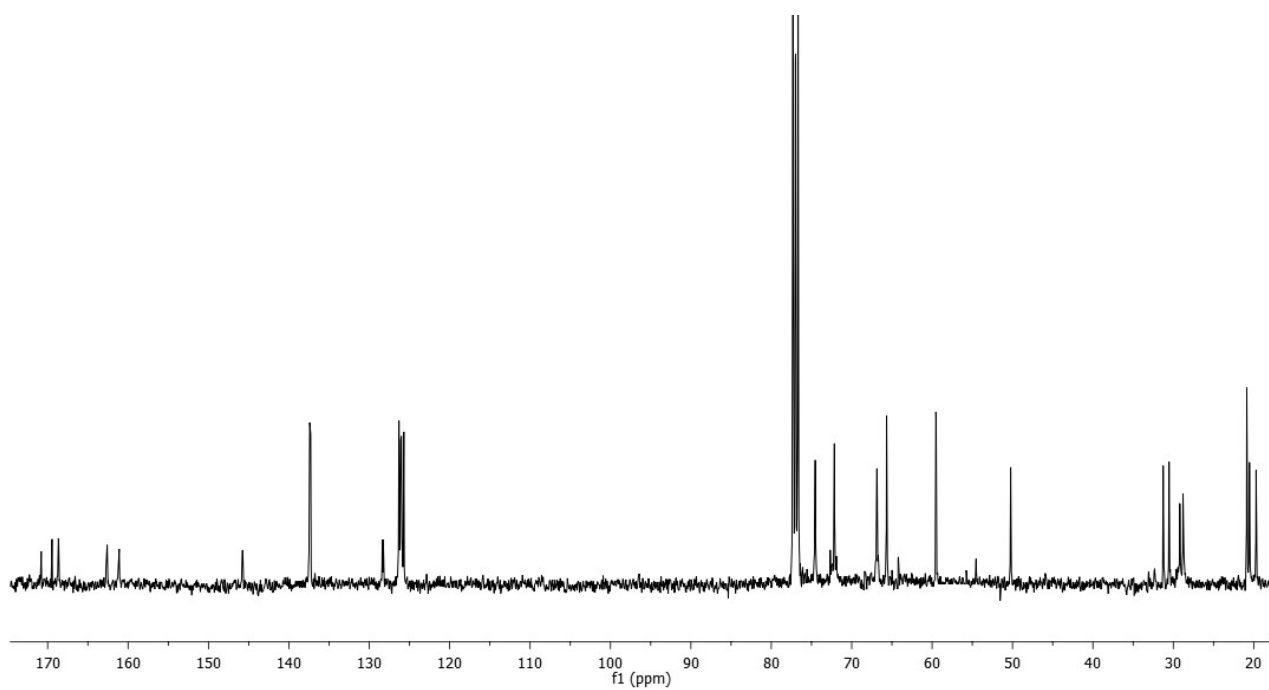
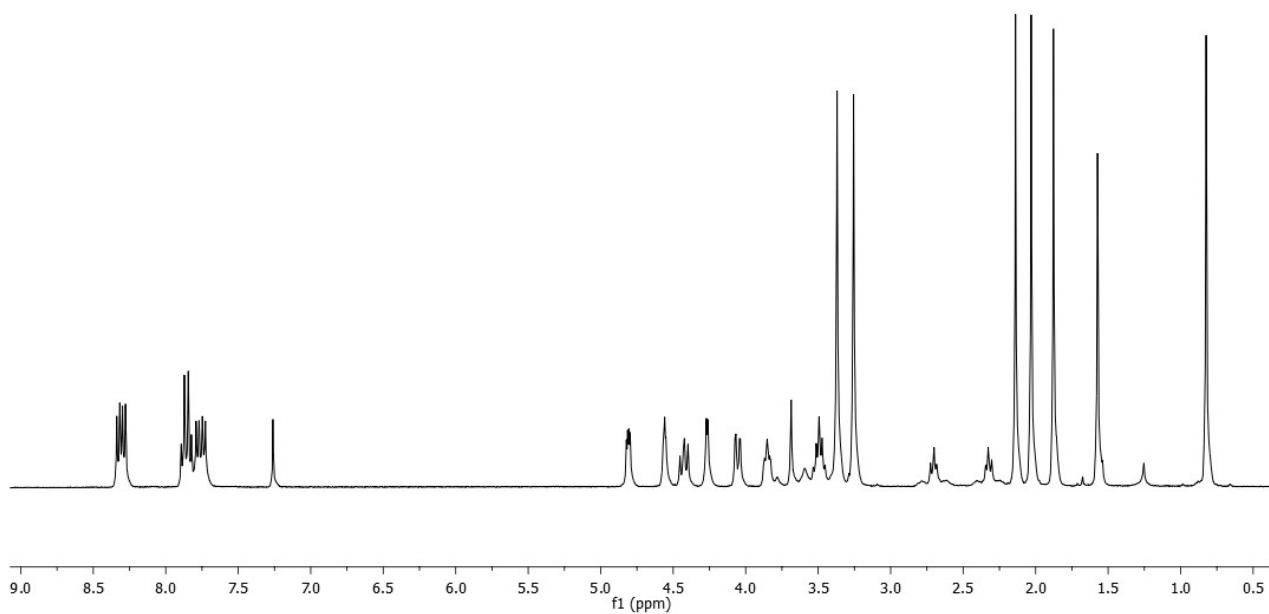
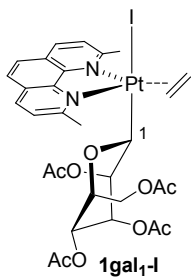
**Figure S2.** <sup>1</sup>H and <sup>13</sup>C NMR spectra of **1gal<sub>6</sub>-Br** (in CDCl<sub>3</sub>, 400 MHz, 298 K).



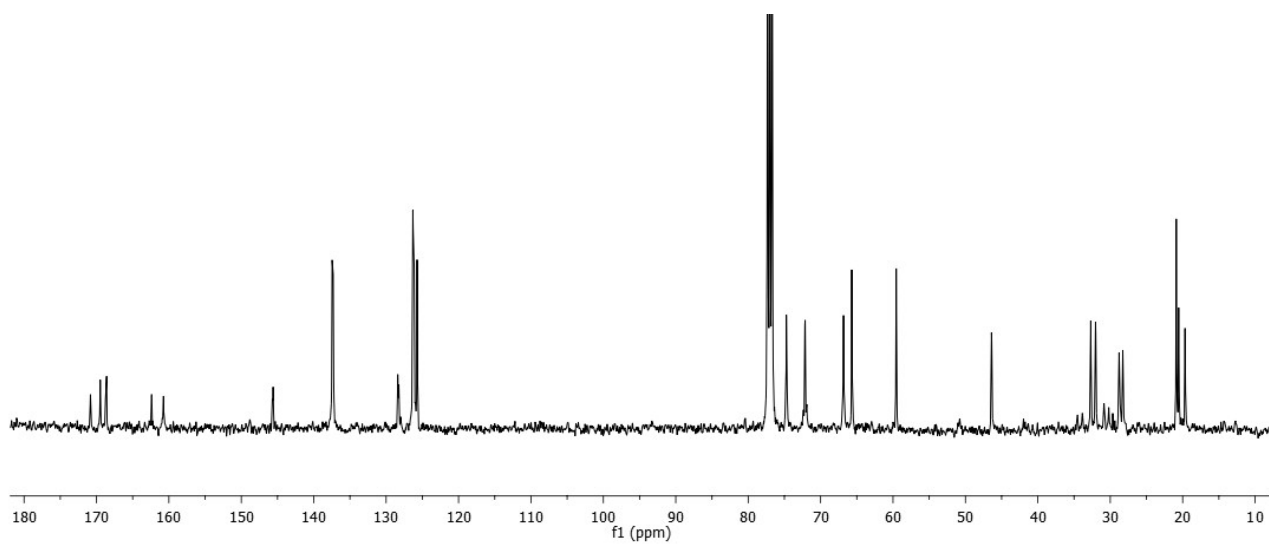
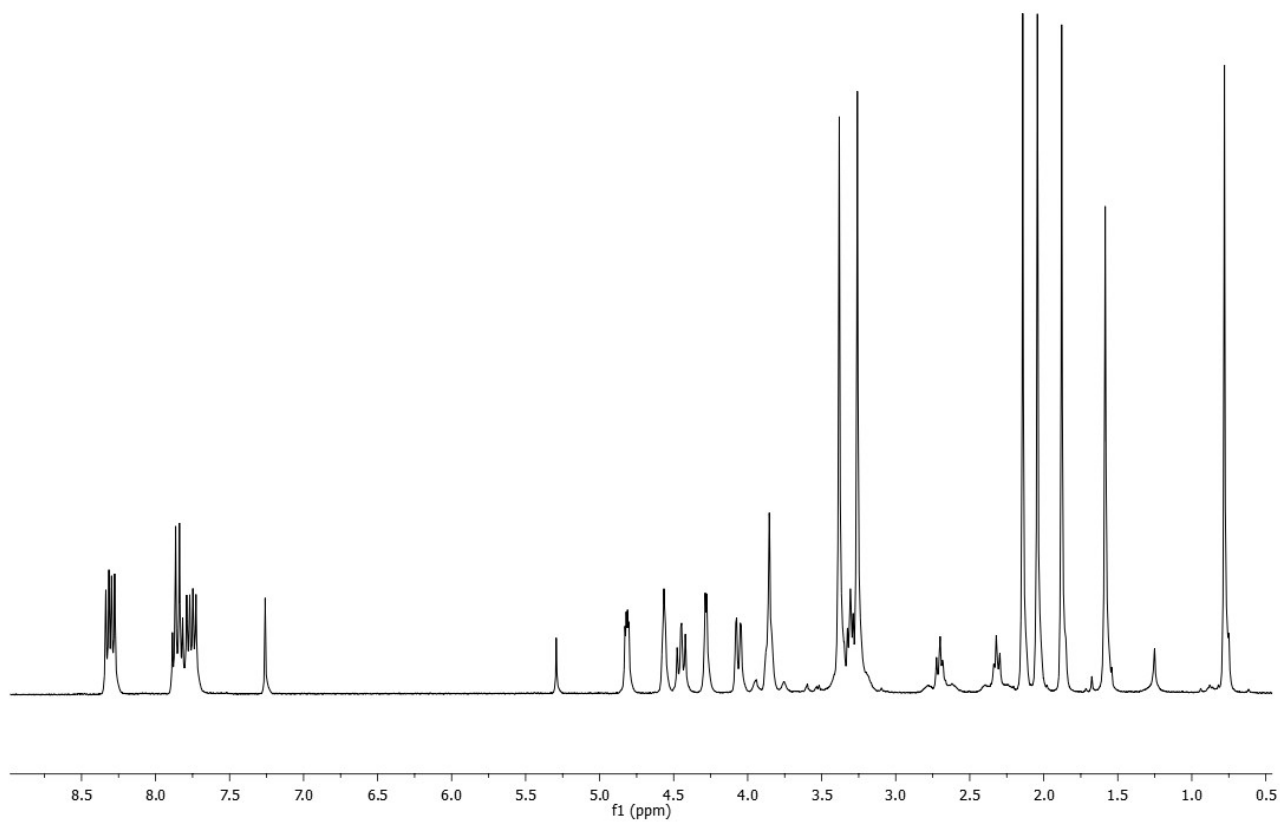
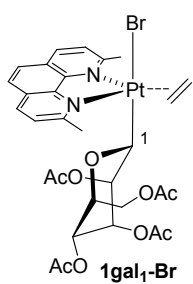
**1gal<sub>6</sub>-Cl**



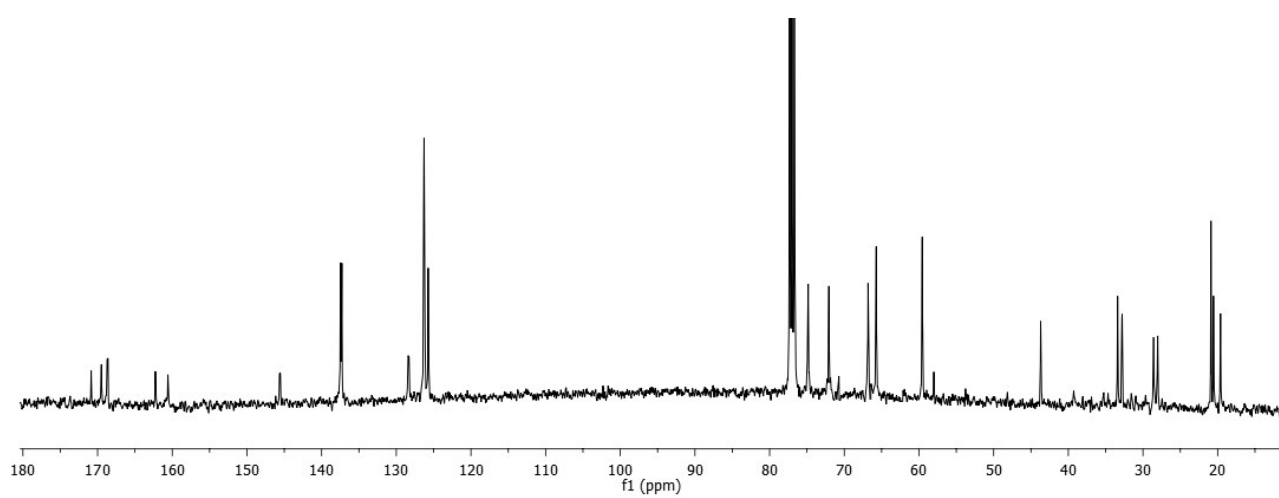
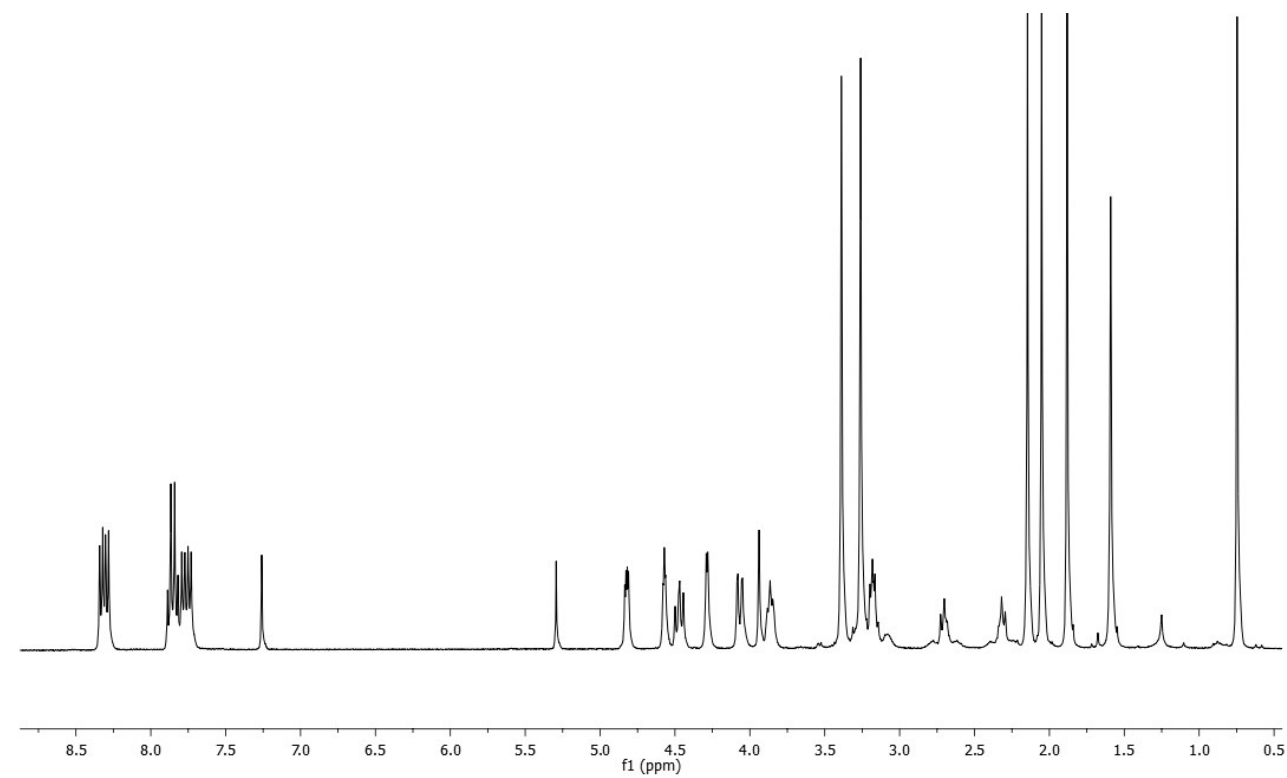
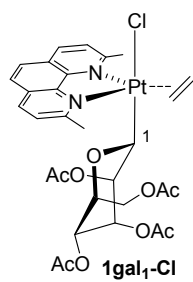
**Figure S3.** <sup>1</sup>H and <sup>13</sup>C NMR spectra of **1gal<sub>6</sub>-Cl** (in CDCl<sub>3</sub>, 400 MHz, 298 K).



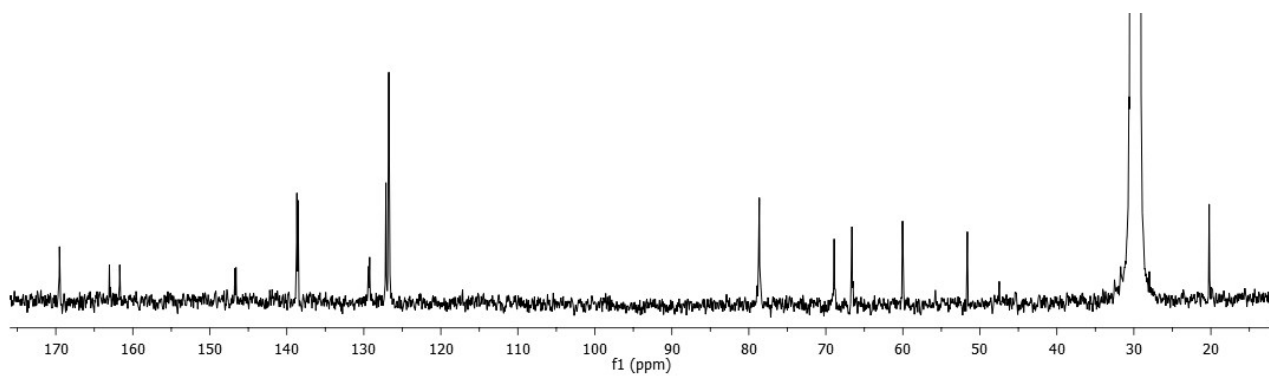
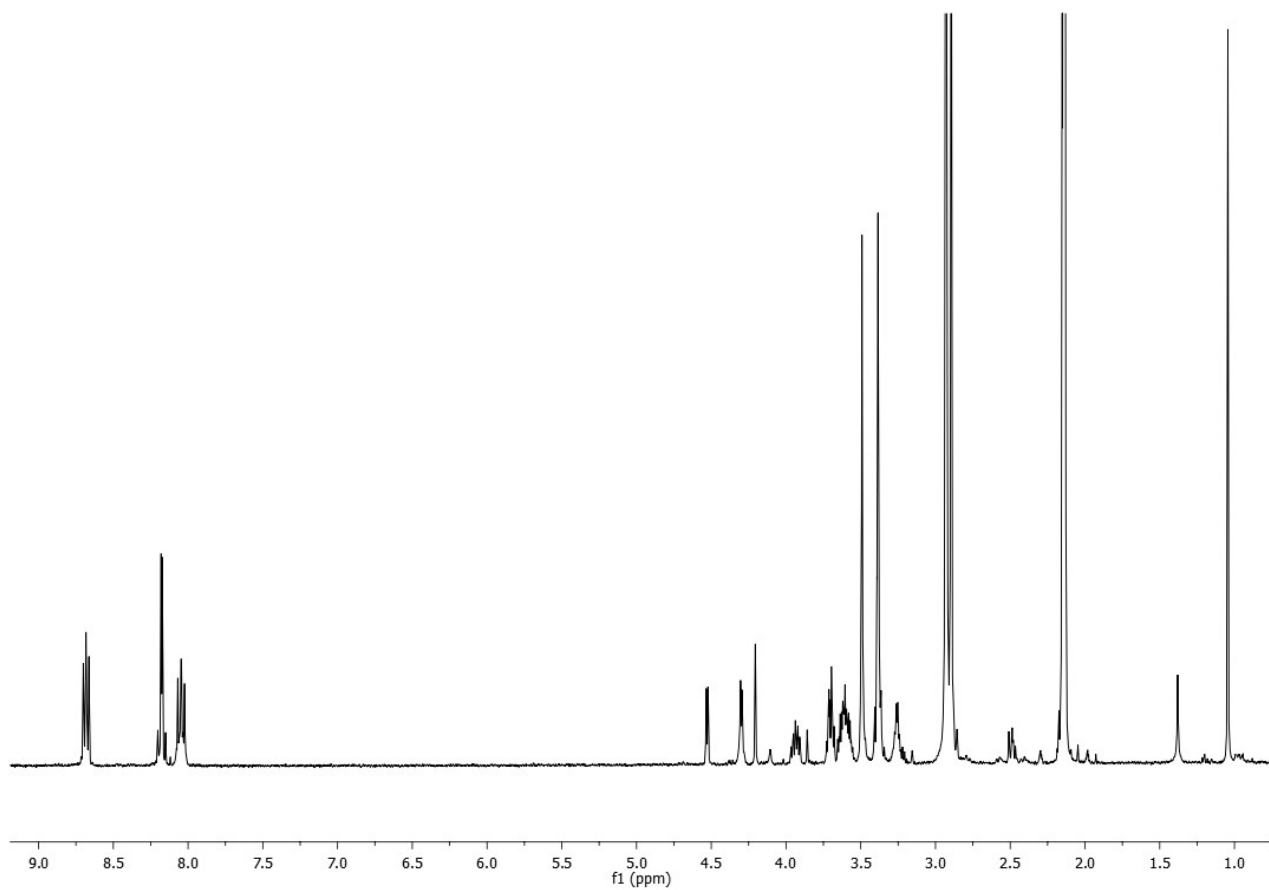
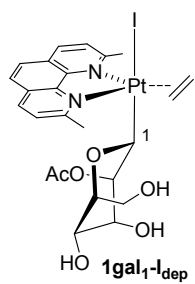
**Figure S4.** <sup>1</sup>H and <sup>13</sup>C NMR spectra of **1gal<sub>1</sub>-I** (in CDCl<sub>3</sub>, 400 MHz, 298 K).



**Figure S5.** <sup>1</sup>H and <sup>13</sup>C NMR spectra of **1gal<sub>1</sub>-Br** (in CDCl<sub>3</sub>, 400 MHz, 298 K).

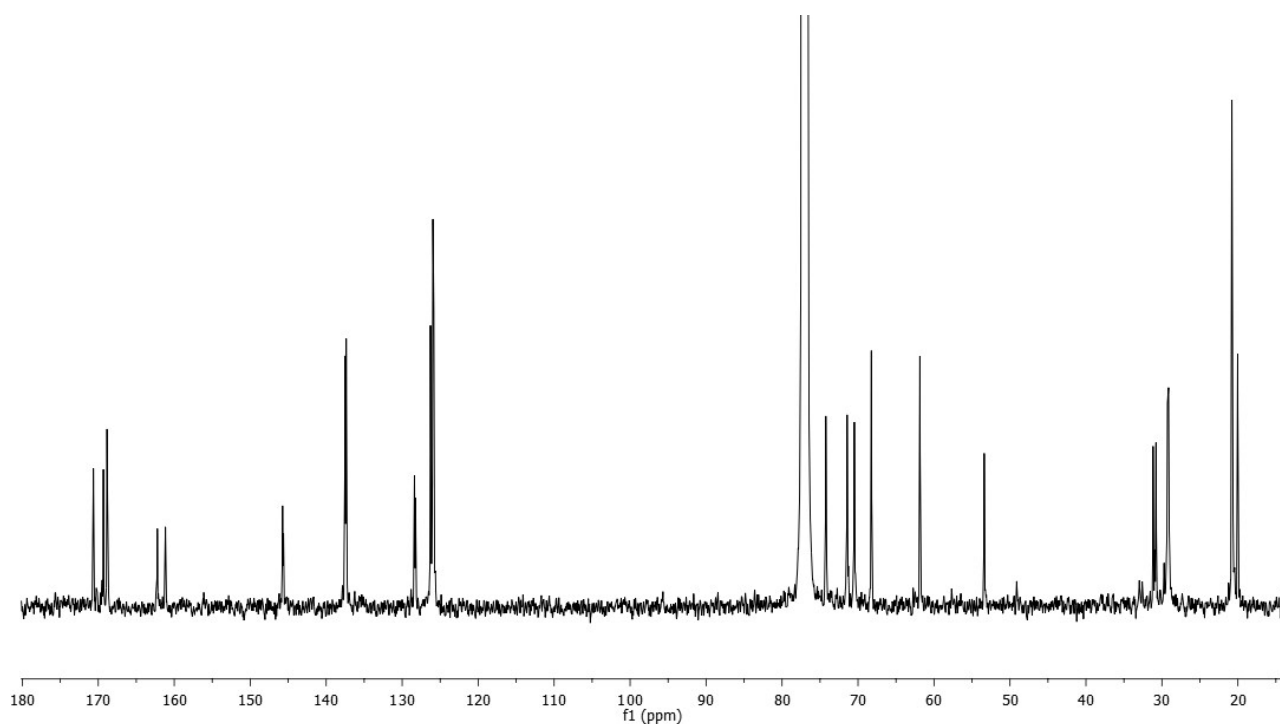
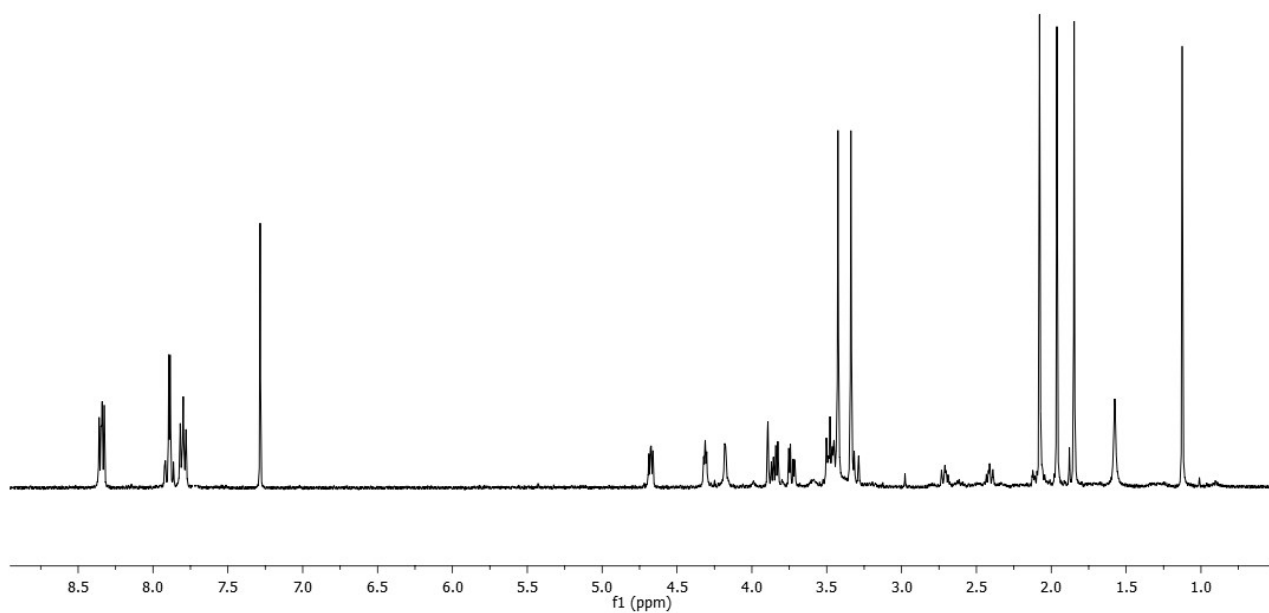
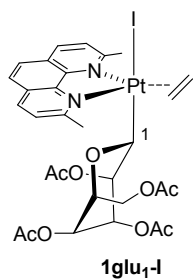


**Figure S6.** <sup>1</sup>H and <sup>13</sup>C NMR spectra of **1gal<sub>1</sub>-Cl** (in CDCl<sub>3</sub>, 400 MHz, 298 K).

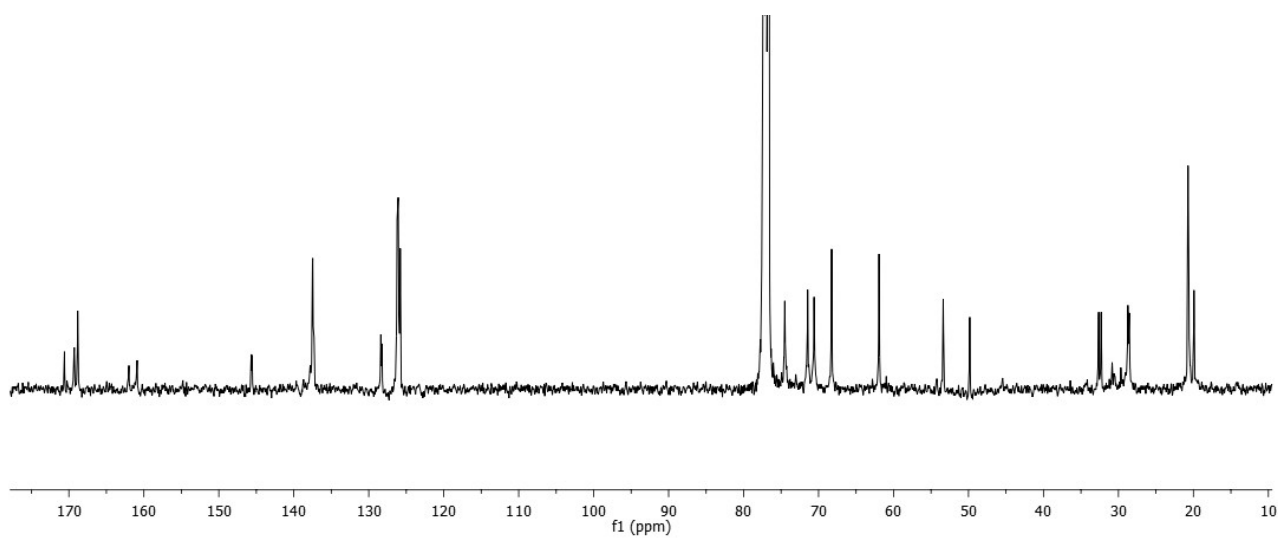
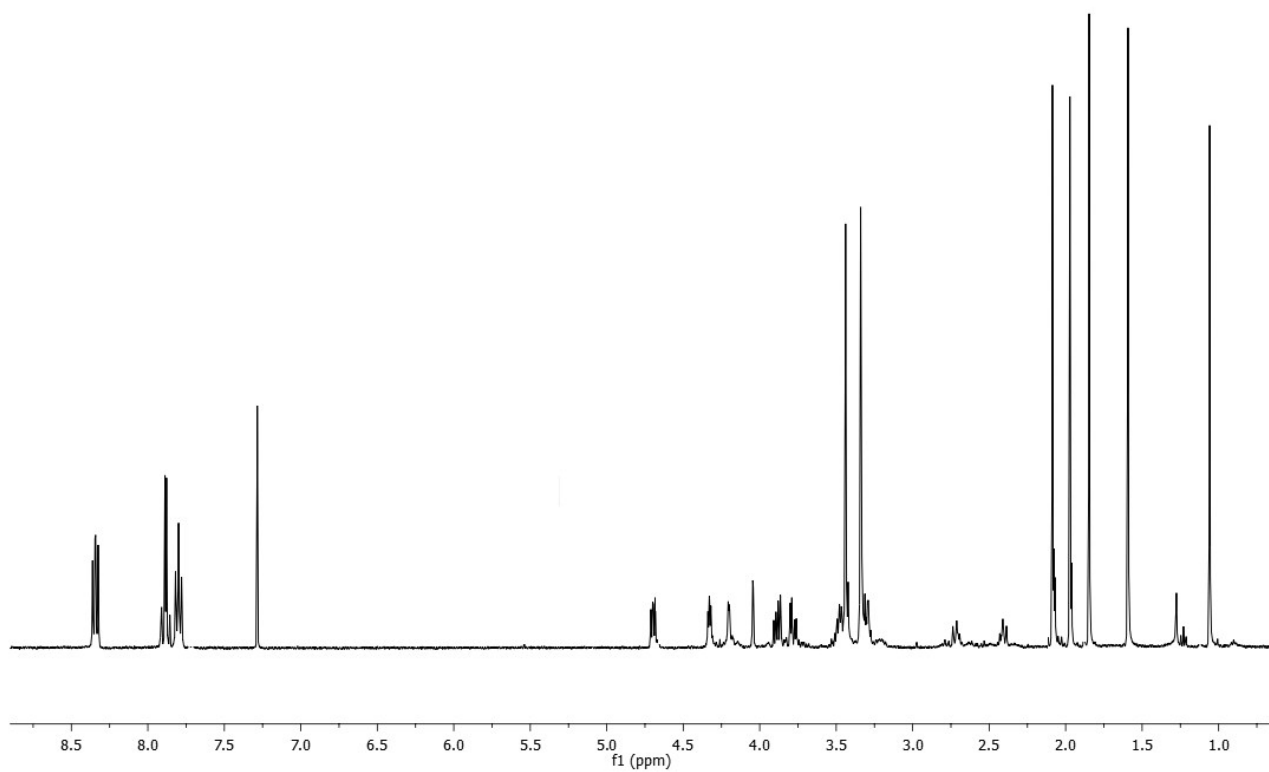
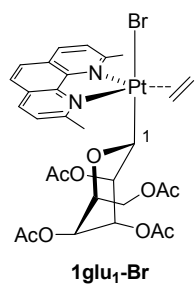


**Figure S7.** <sup>1</sup>H and <sup>13</sup>C NMR spectra of **1gal<sub>1</sub>-Idep** (in acetone-d<sub>6</sub>, 400 MHz, 298 K).

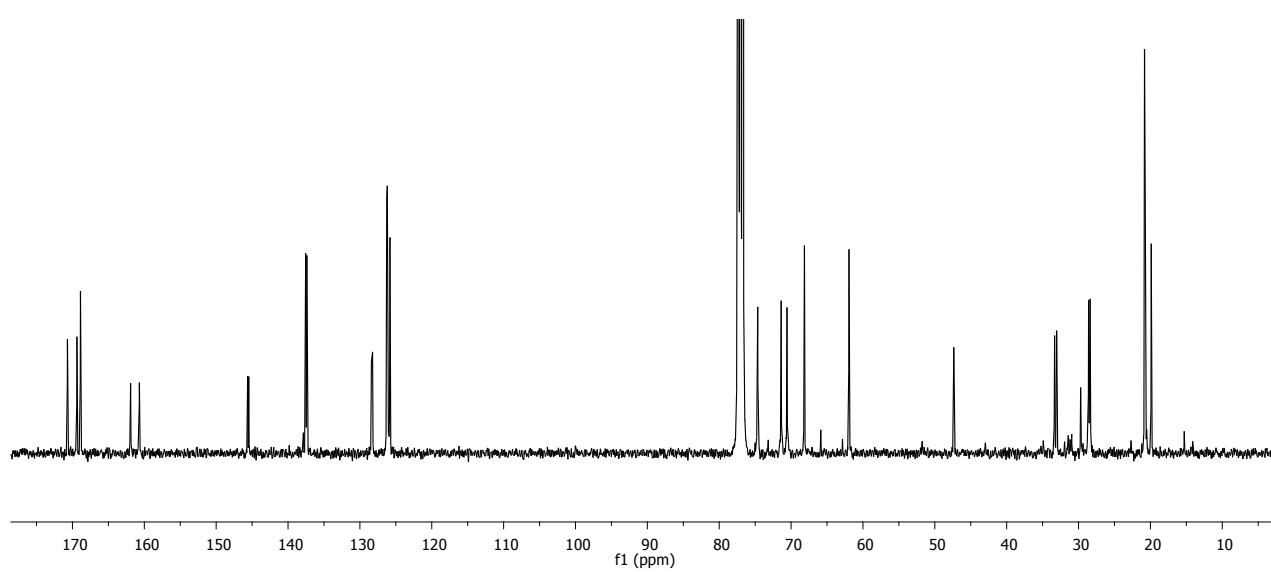
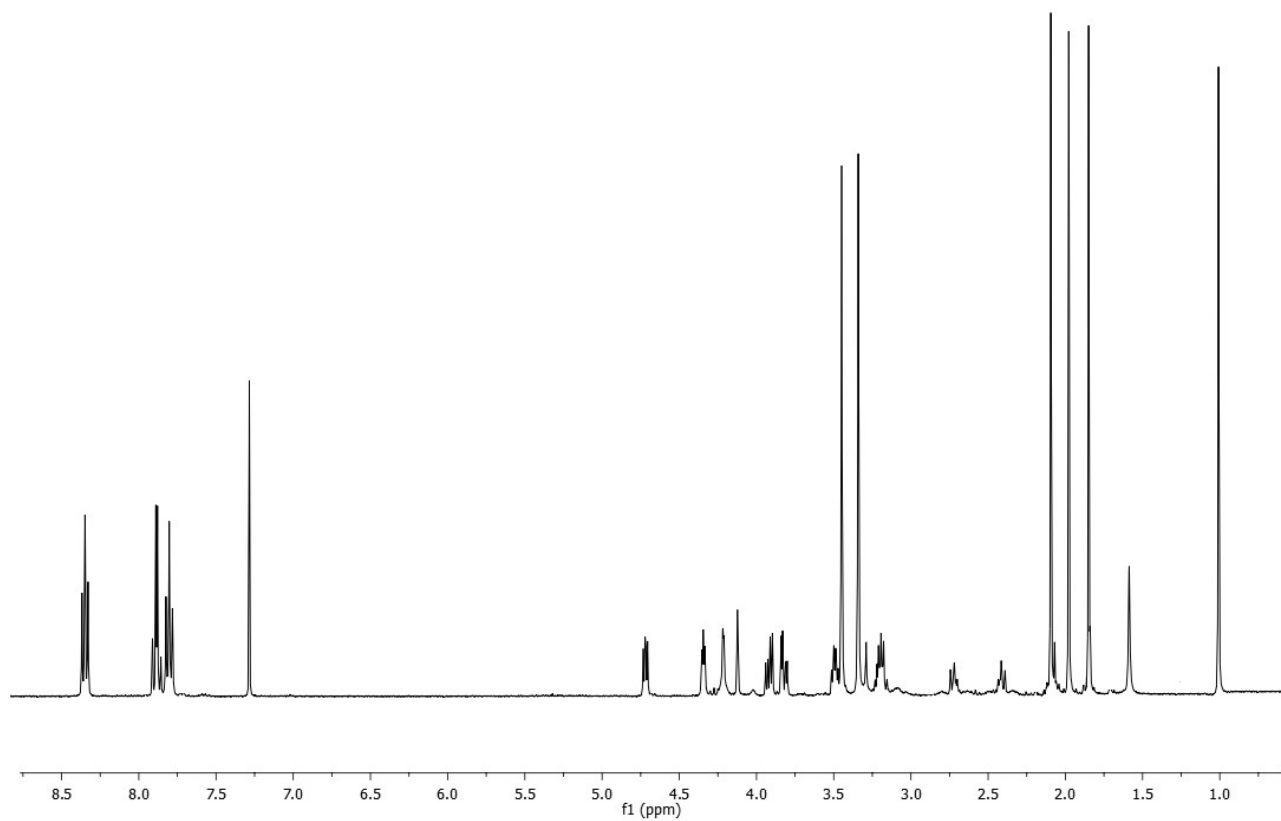
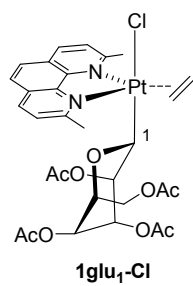




**Figure S8.** <sup>1</sup>H and <sup>13</sup>C NMR spectra of **1glu<sub>1</sub>-I** (in CDCl<sub>3</sub>, 400 MHz, 298 K).



**Figure S9.** <sup>1</sup>H and <sup>13</sup>C NMR spectra of **1glu<sub>1</sub>-Br** (in CDCl<sub>3</sub>, 400 MHz, 298 K).



**Figure S10.** <sup>1</sup>H and <sup>13</sup>C NMR spectra of **1glu<sub>1</sub>-Cl** (in CDCl<sub>3</sub>, 400 MHz, 298 K).