

Fig. S1  $^1\text{H}$  NMR spectrum (500 MHz) of compound **1** in  $\text{CDCl}_3$

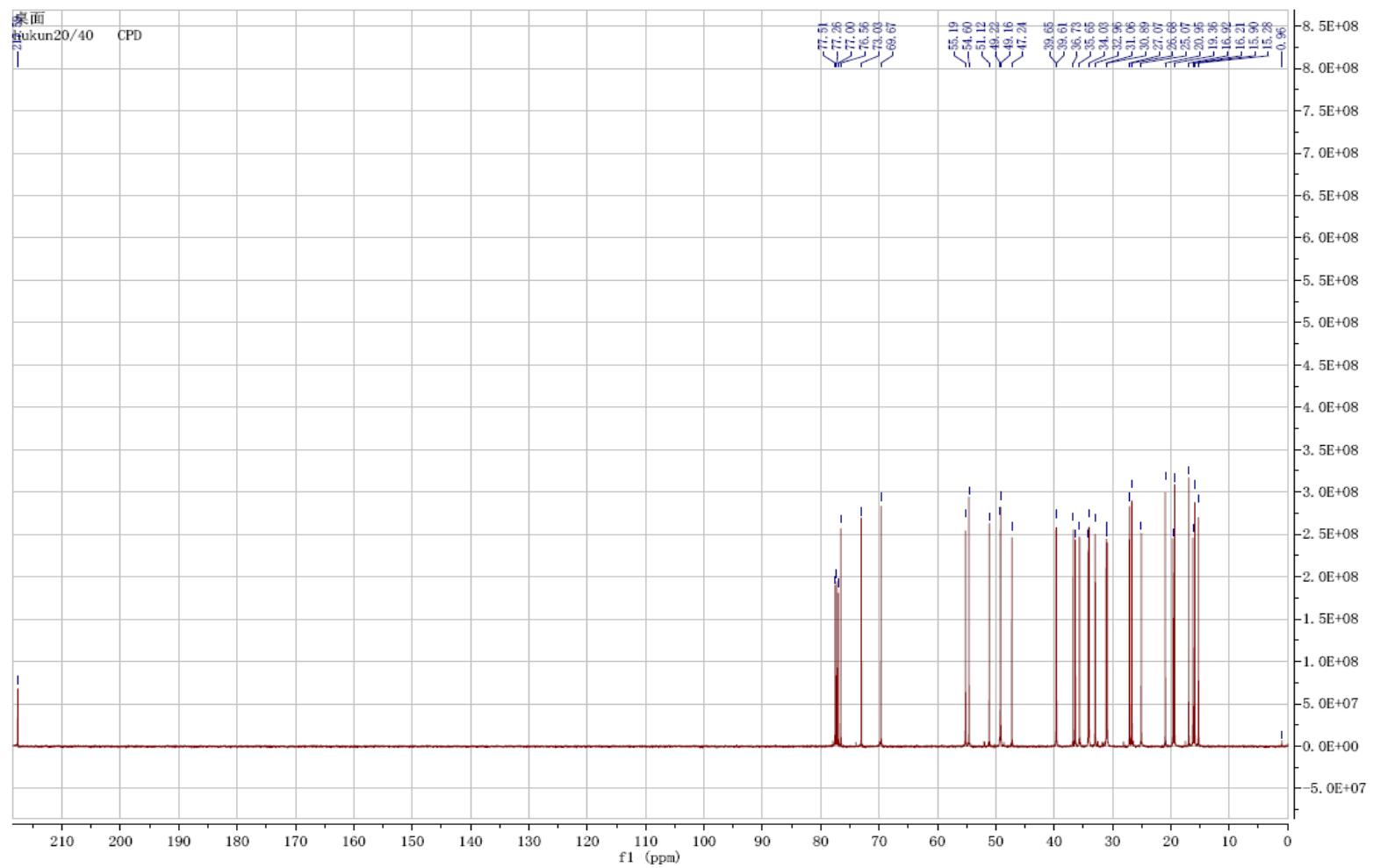


Fig. S2  $^{13}\text{C}$  NMR spectrum (125 MHz) of compound **1** in  $\text{CDCl}_3$

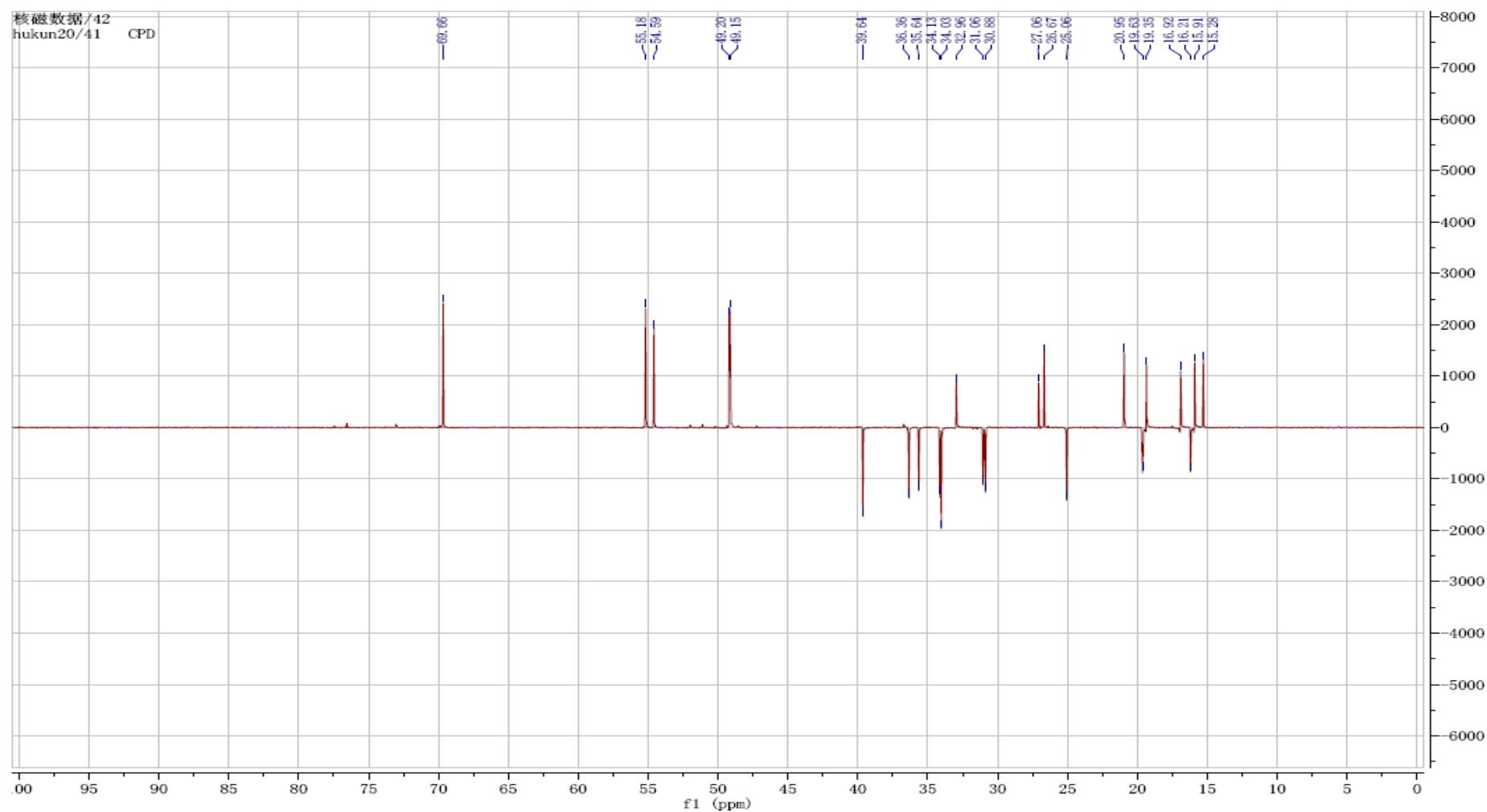


Fig. S3 DEPT-135 spectrum (125 MHz) of compound **1** in  $\text{CDCl}_3$

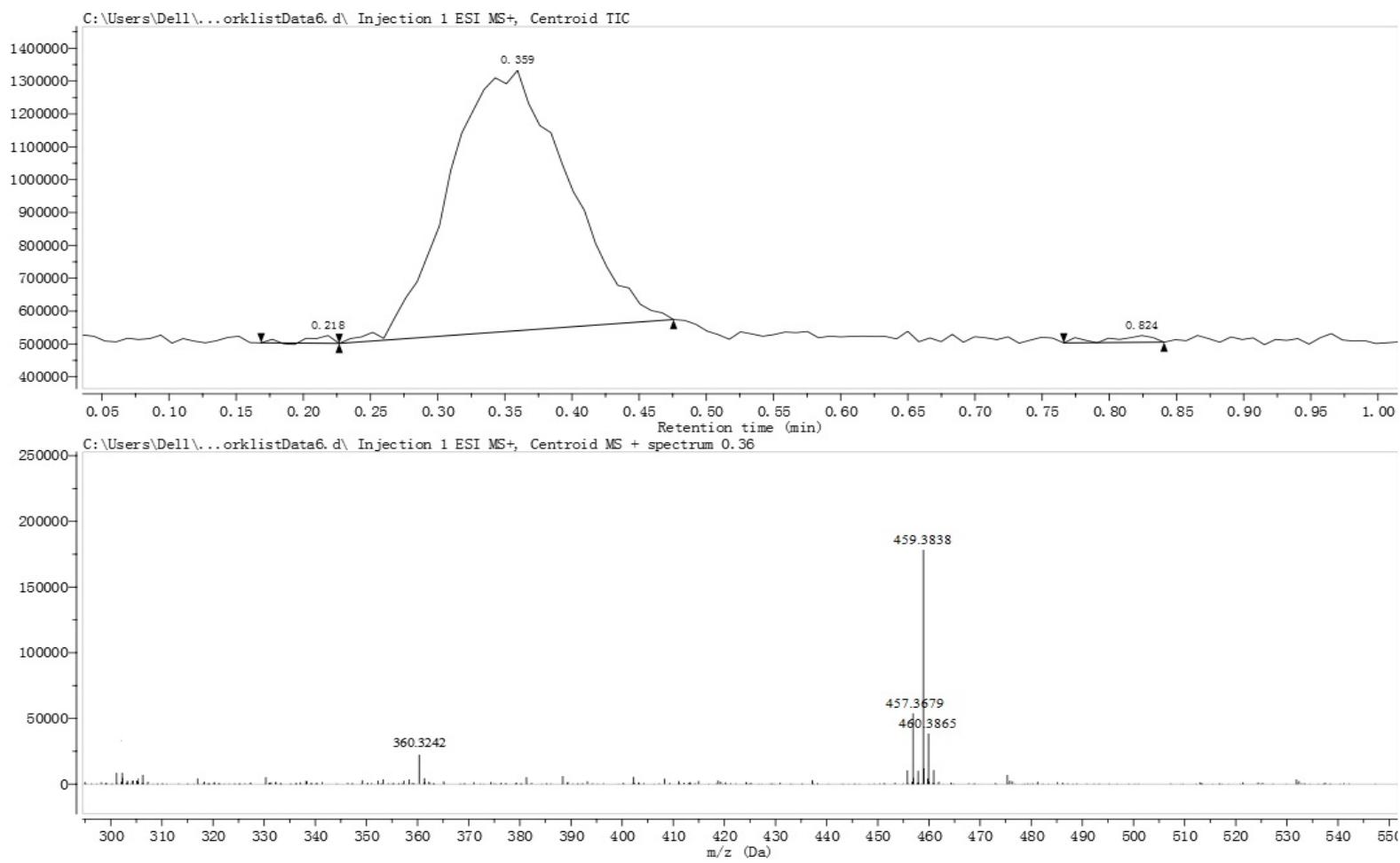


Fig. S4 HR-ESI-MS spectrum of compound **1**

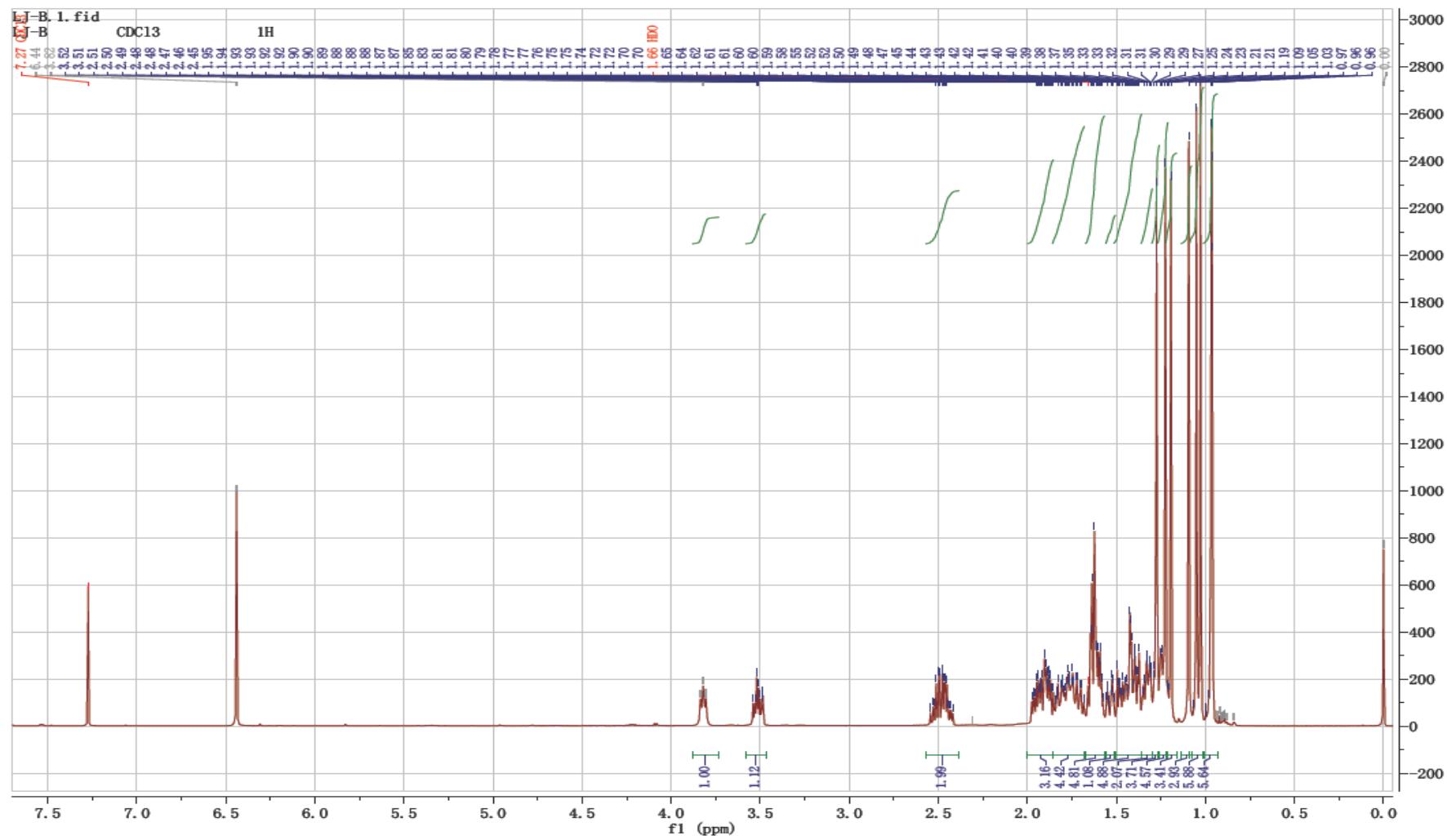


Fig. S5  $^1\text{H}$  NMR spectrum (500 MHz) of compound **2** in  $\text{CDCl}_3$

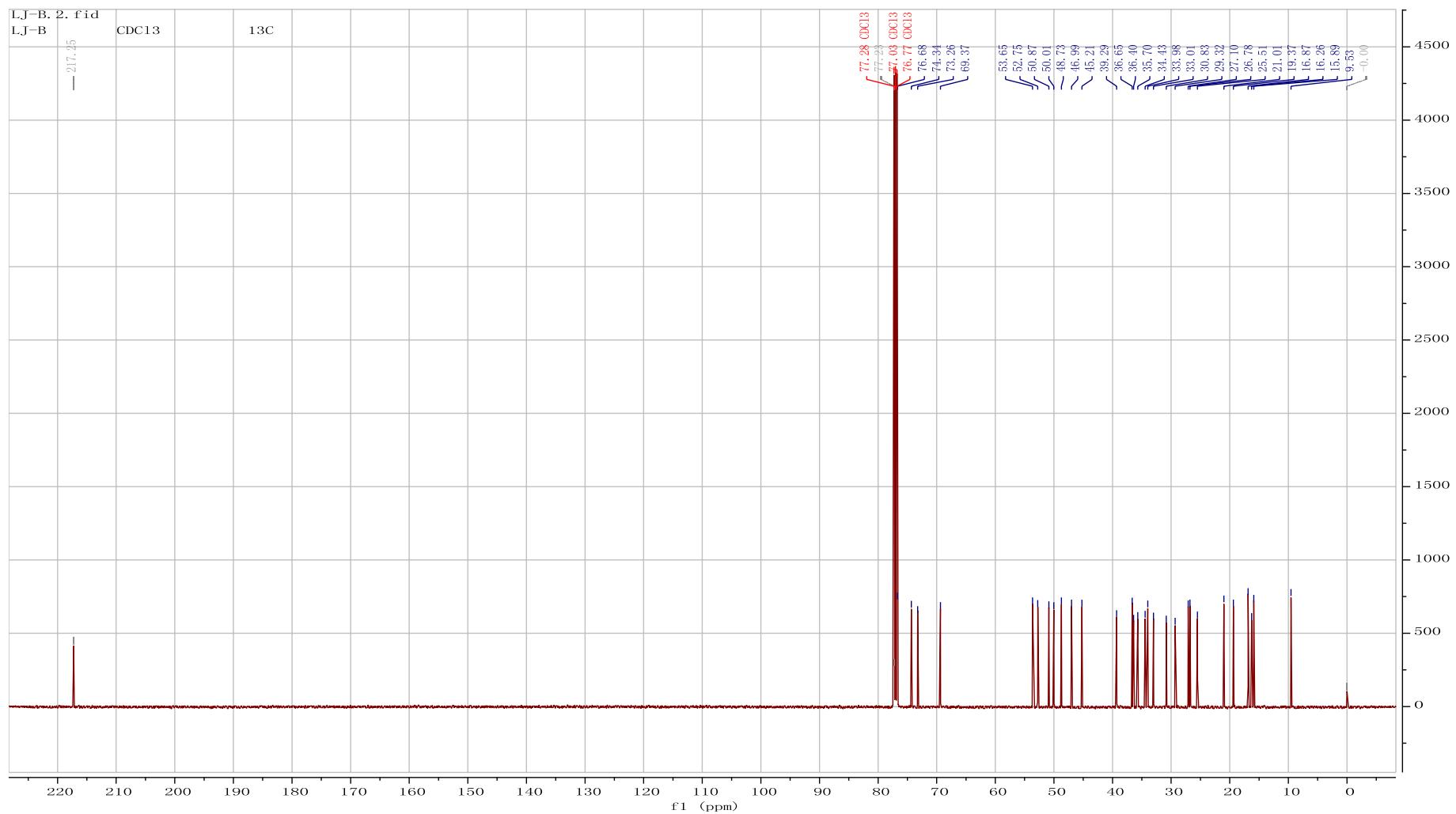


Fig. S6  $^{13}\text{C}$  NMR spectrum (125 MHz) of compound **2** in  $\text{CDCl}_3$

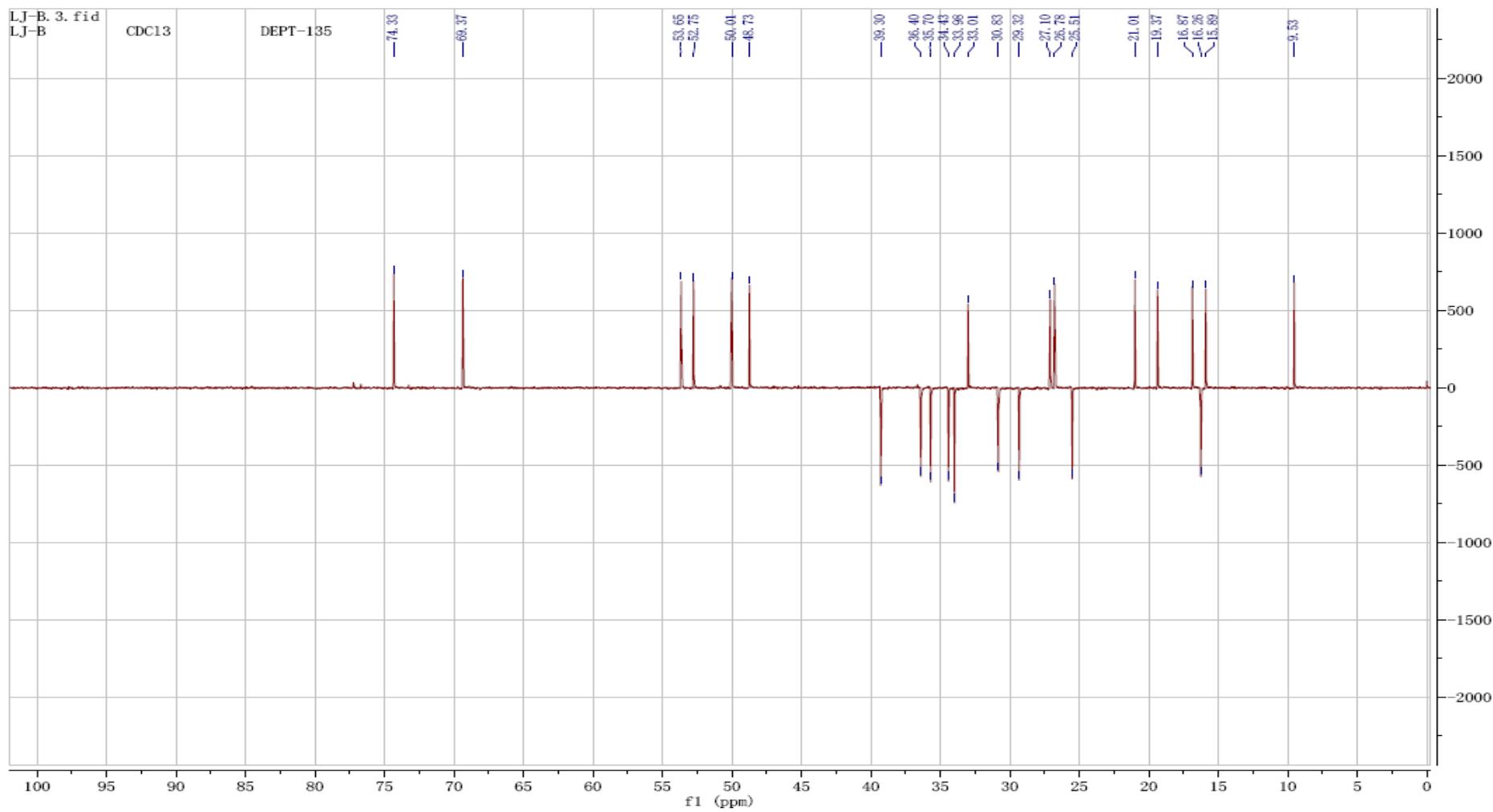


Fig. S7 DEPT-135 spectrum (125 MHz) of compound **2** in  $\text{CDCl}_3$

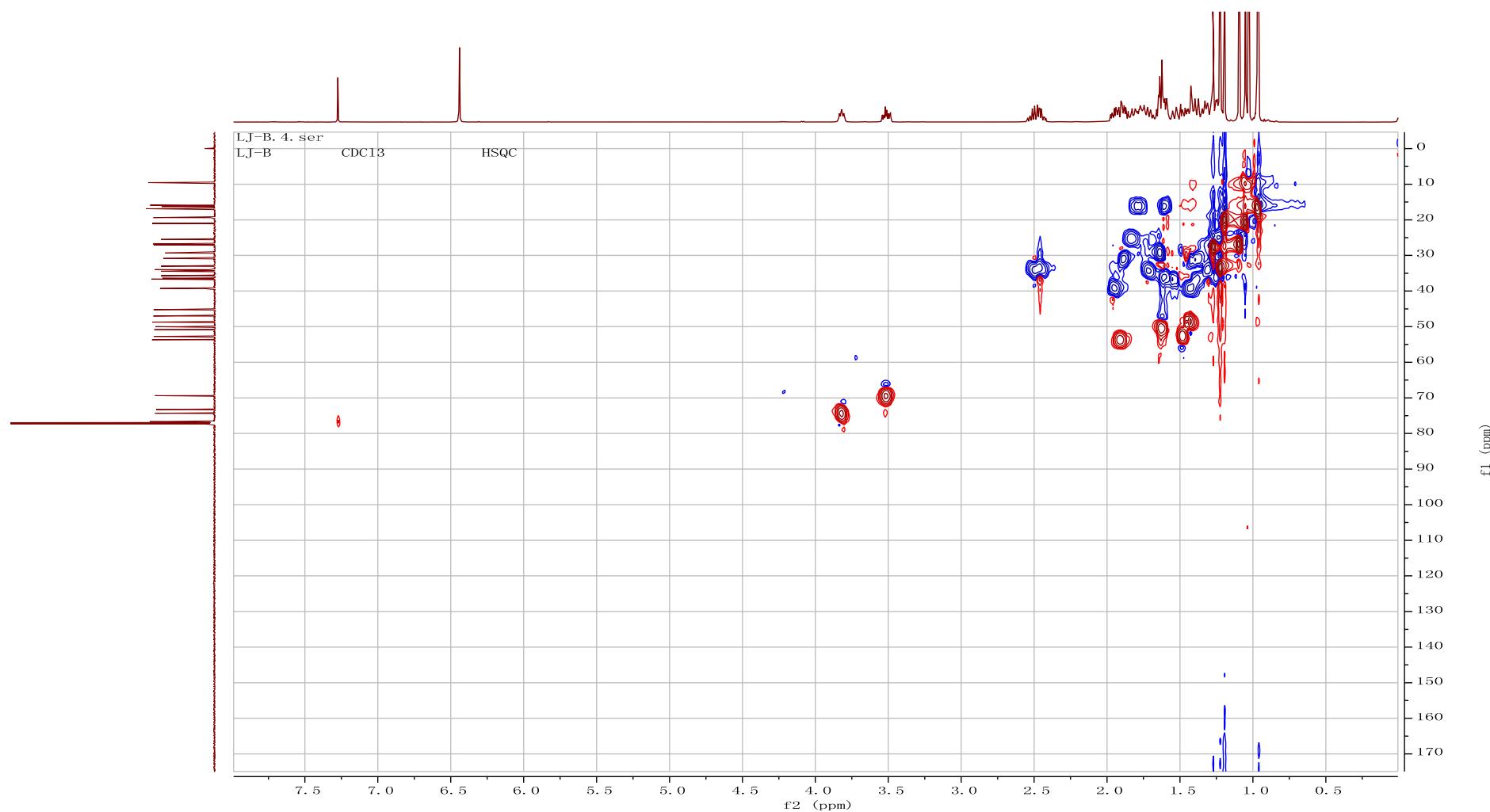


Fig. S8 HSQC spectrum (125 MHz) of compound **2** in CDCl<sub>3</sub>

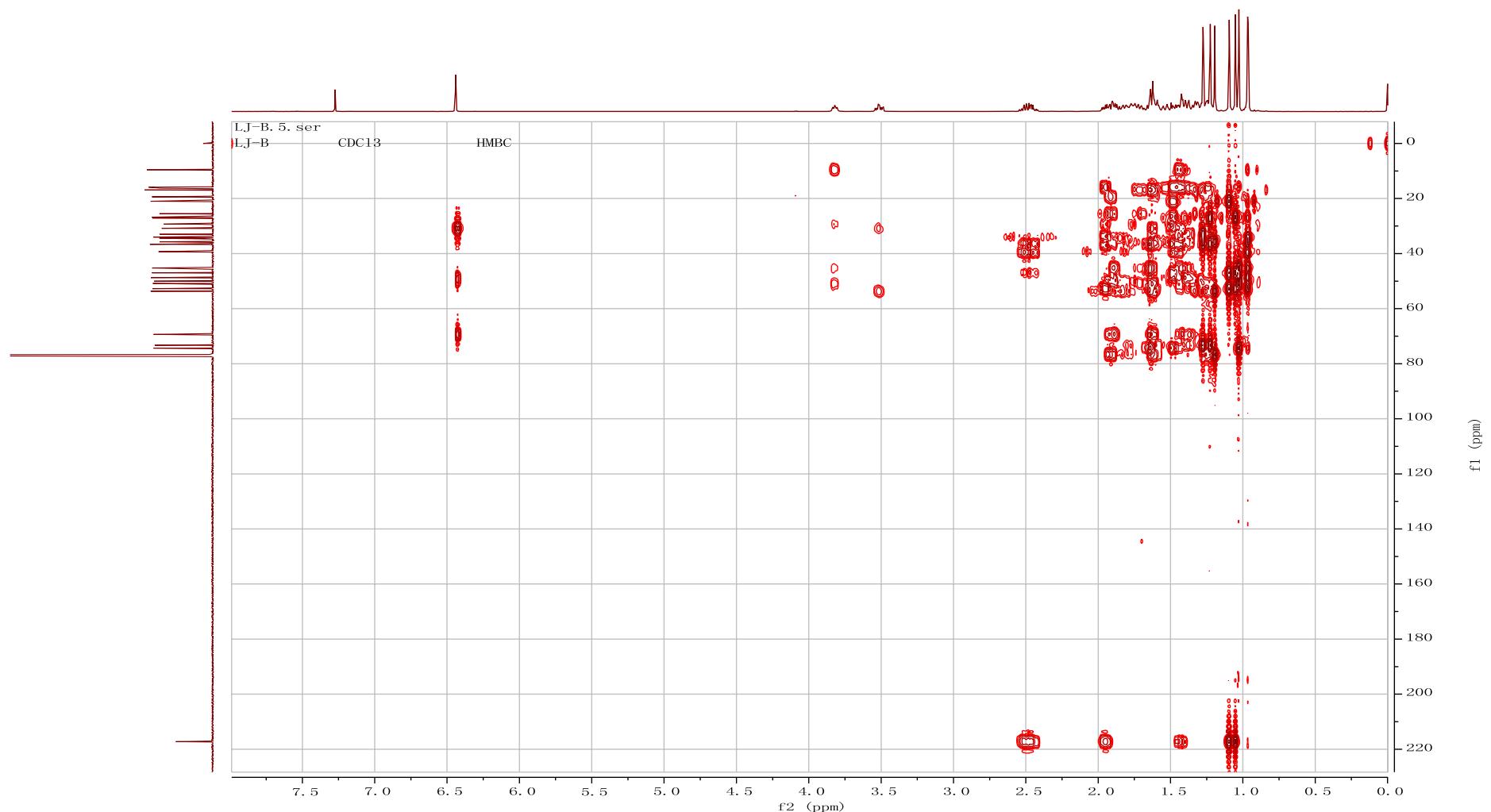


Fig. S9 HMBC spectrum (125 MHz) of compound **2** in  $\text{CDCl}_3$

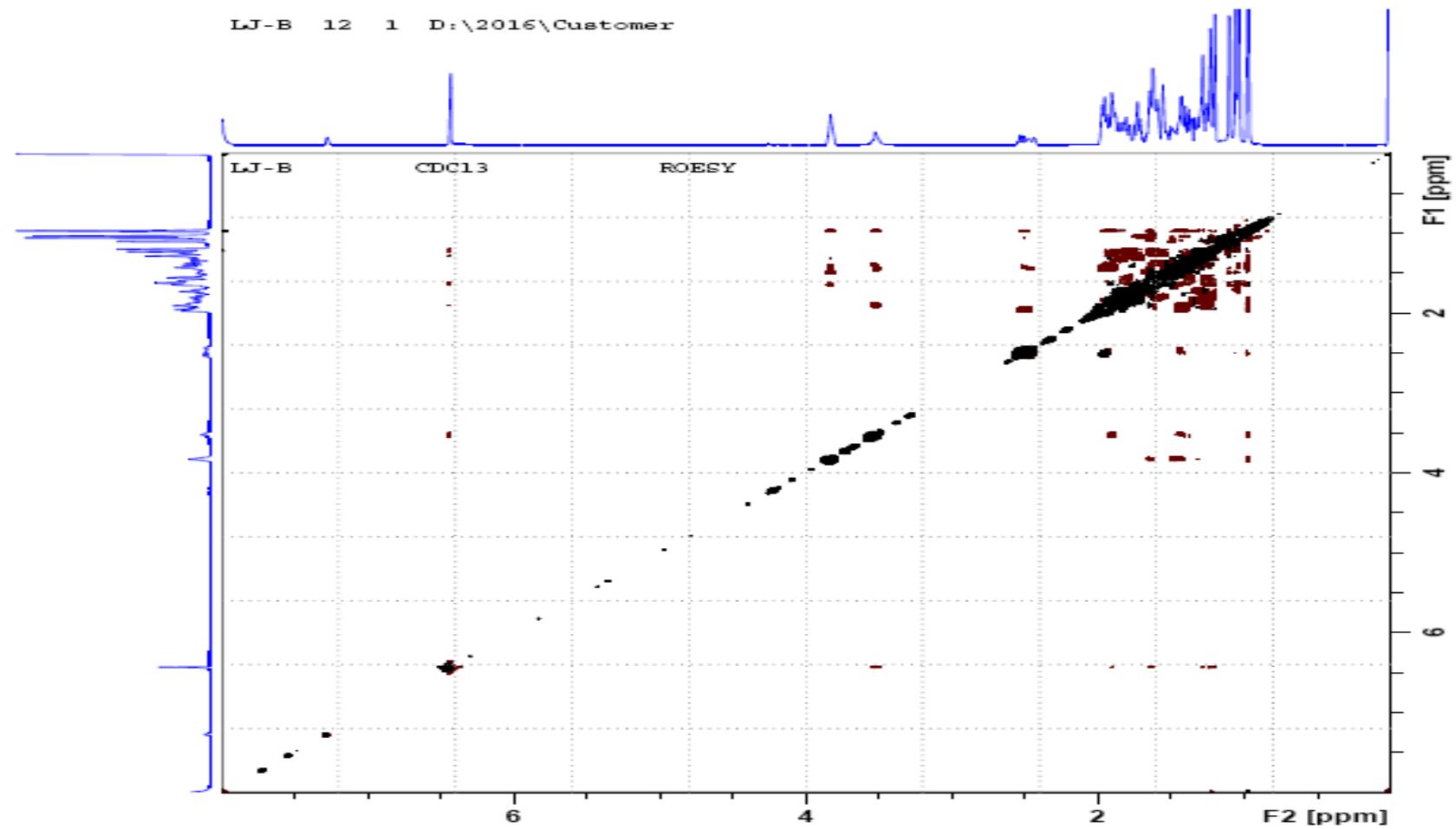


Fig. S10 ROESY spectrum (500 MHz) of compound **2** in CDCl<sub>3</sub>

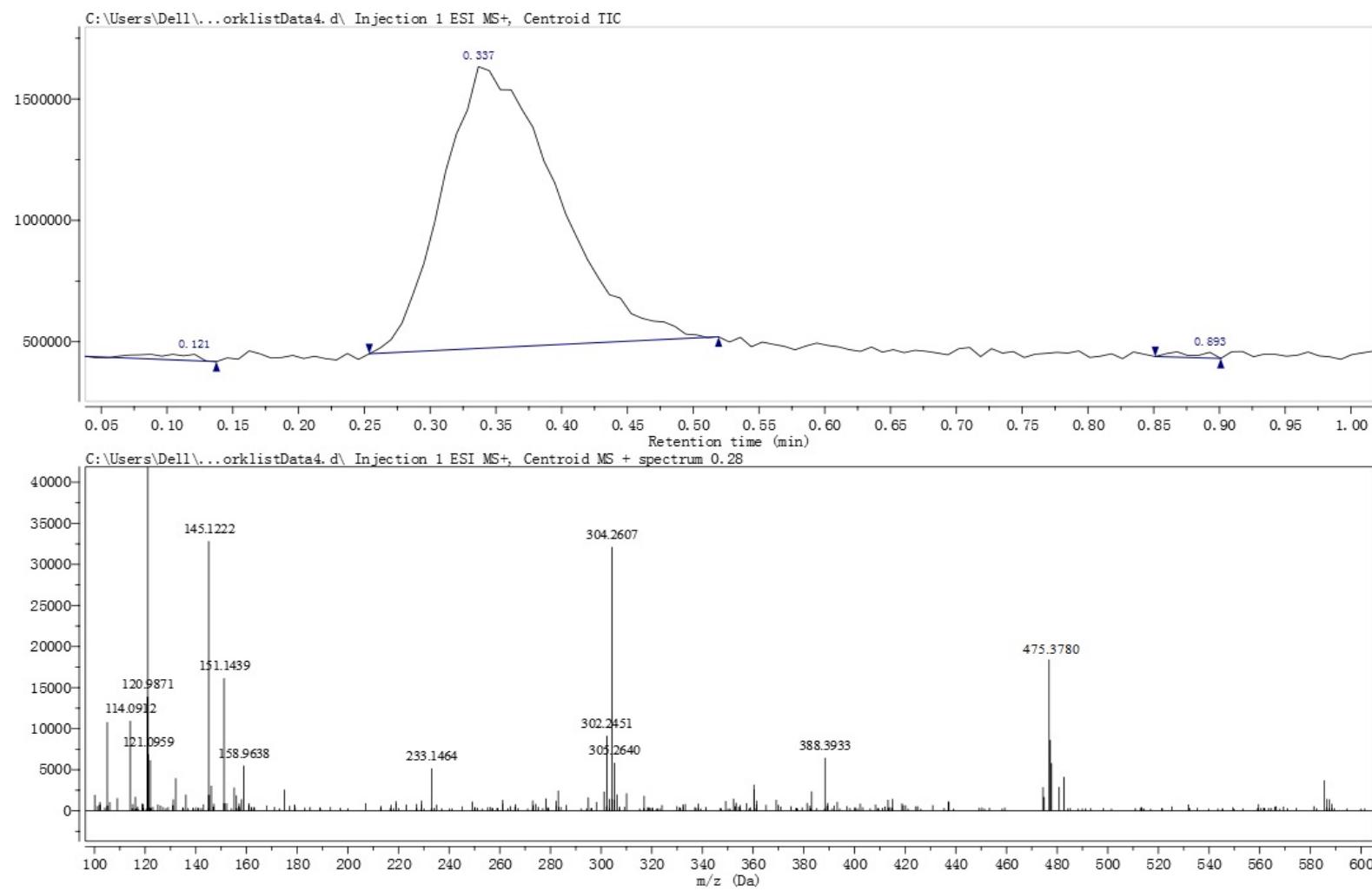


Fig. S11 HR-ESI-MS spectrum of compound 2



Fig. S12  $^1\text{H}$  NMR spectrum (500 MHz) of compound 3 in  $\text{CDCl}_3$

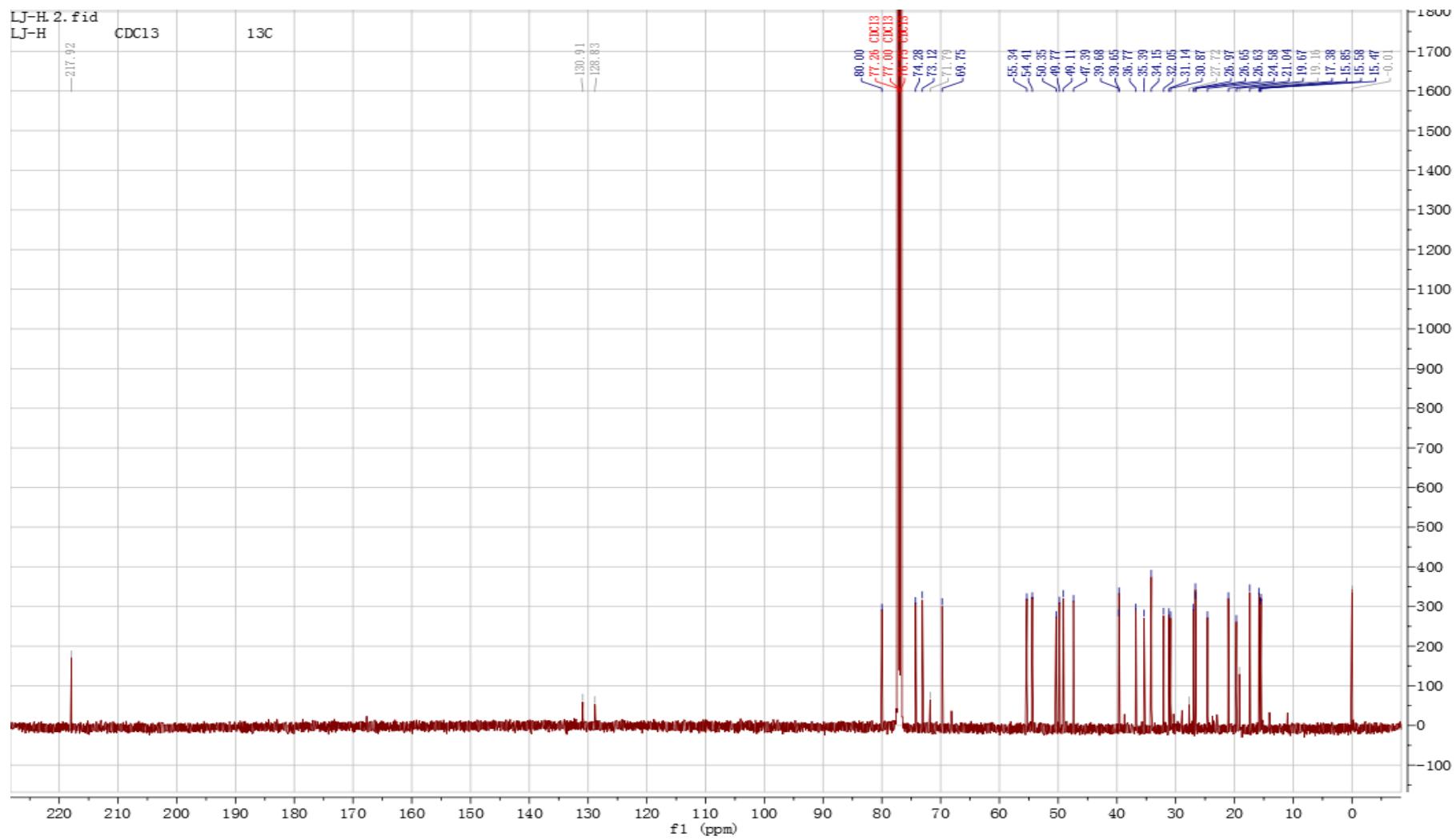


Fig. S13  $^{13}\text{C}$  NMR spectrum (125 MHz) of compound 3 in  $\text{CDCl}_3$

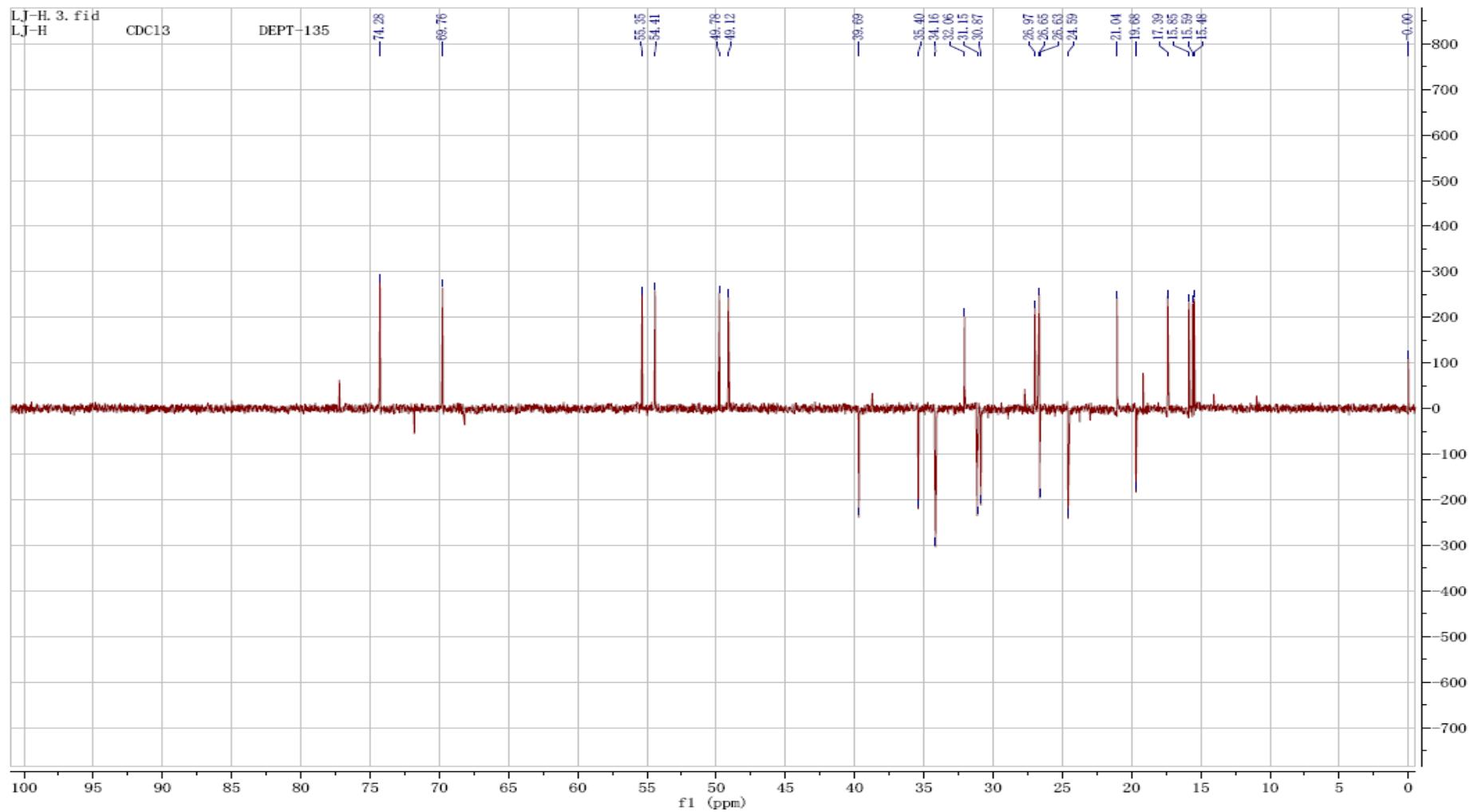


Fig. S14 DEPT-135 spectrum (125 MHz) of compound **3** in  $\text{CDCl}_3$

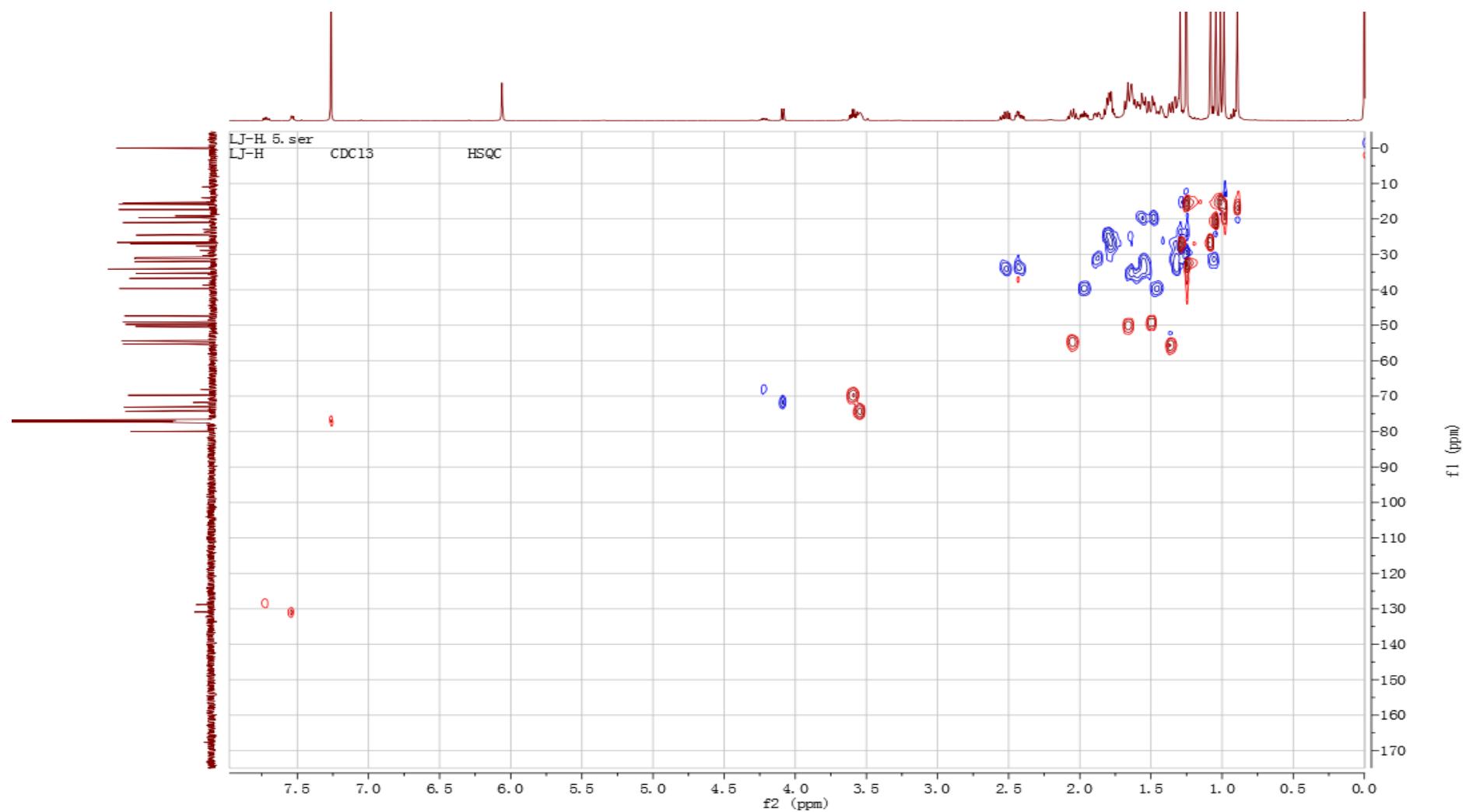


Fig. S15 HSQC spectrum (125 MHz) of compound 3 in  $\text{CDCl}_3$

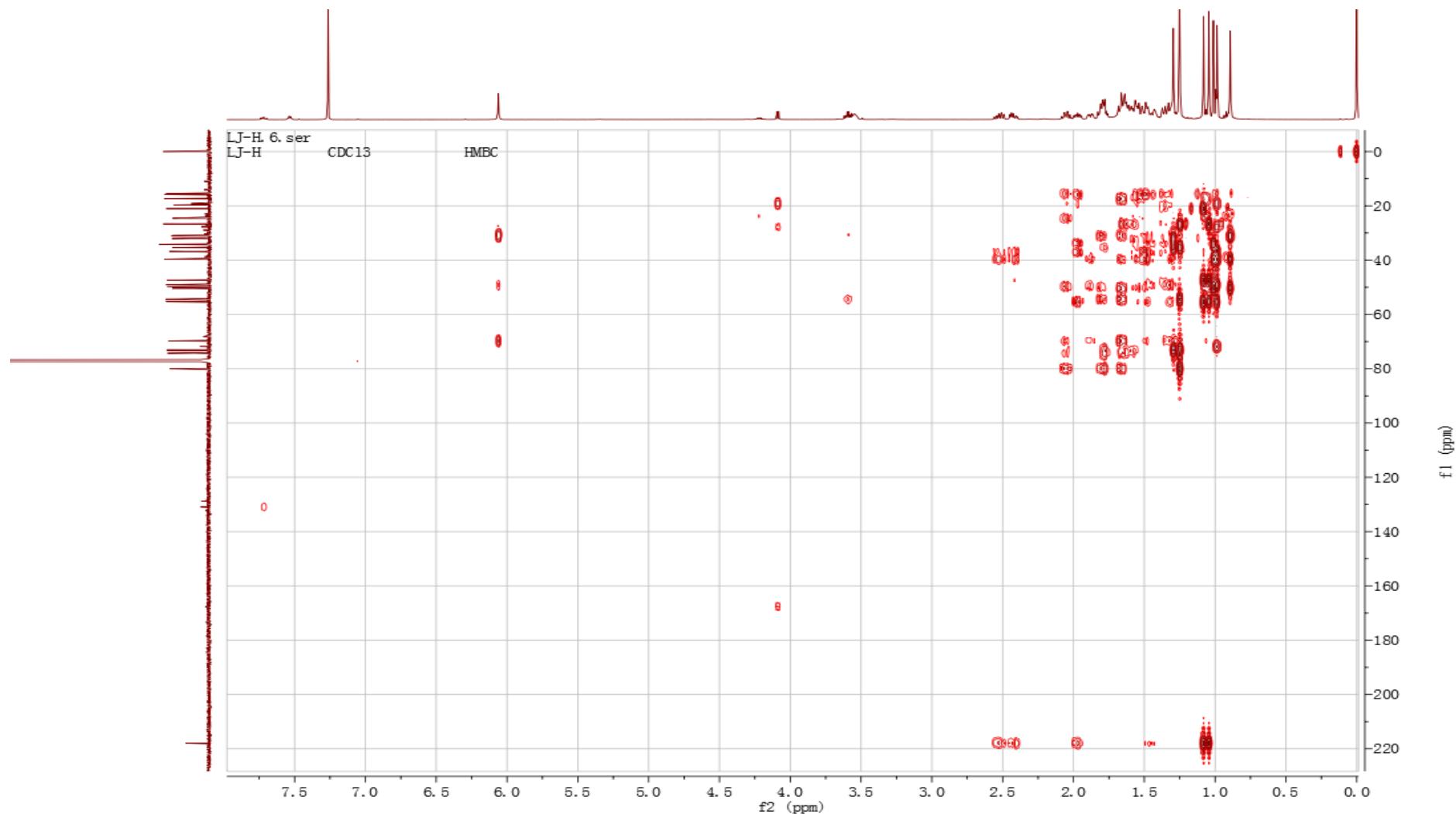


Fig. S16 HMBC spectrum (125 MHz) of compound 3 in  $\text{CDCl}_3$

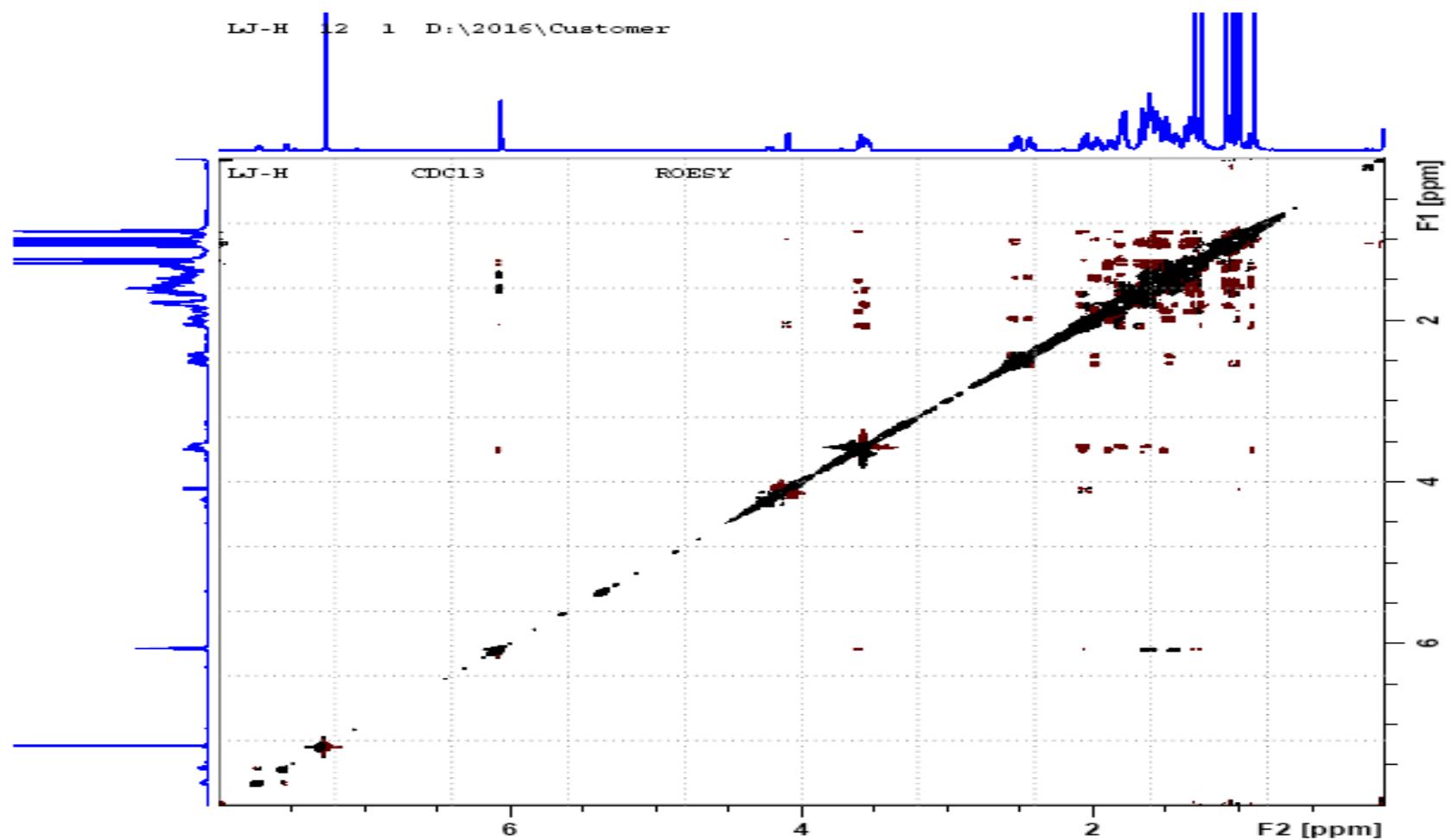


Fig. S17 ROESY spectrum (500 MHz) of compound **3** in  $\text{CDCl}_3$

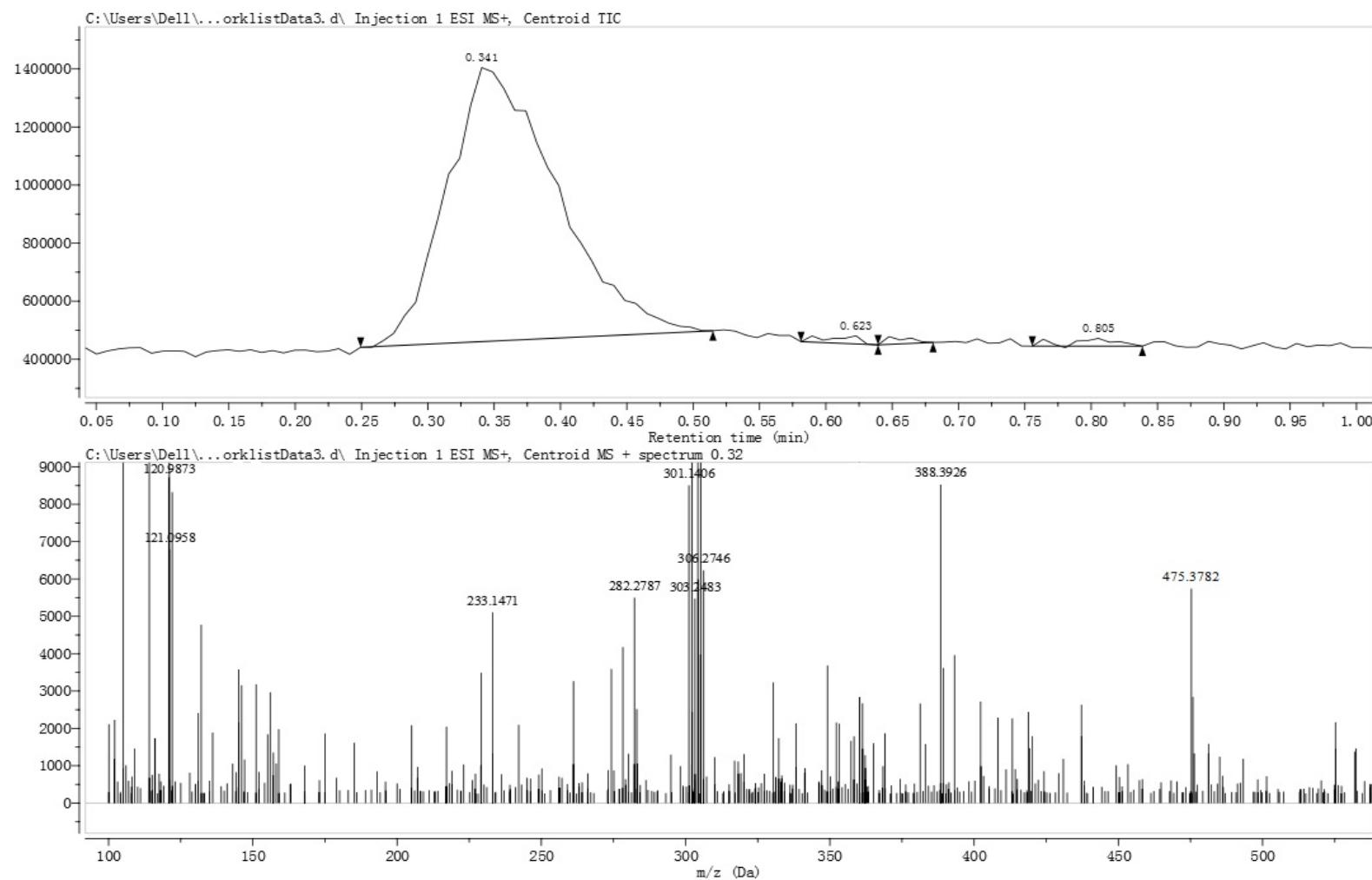


Fig. S18 HR-ESI-MS spectrum of compound 3

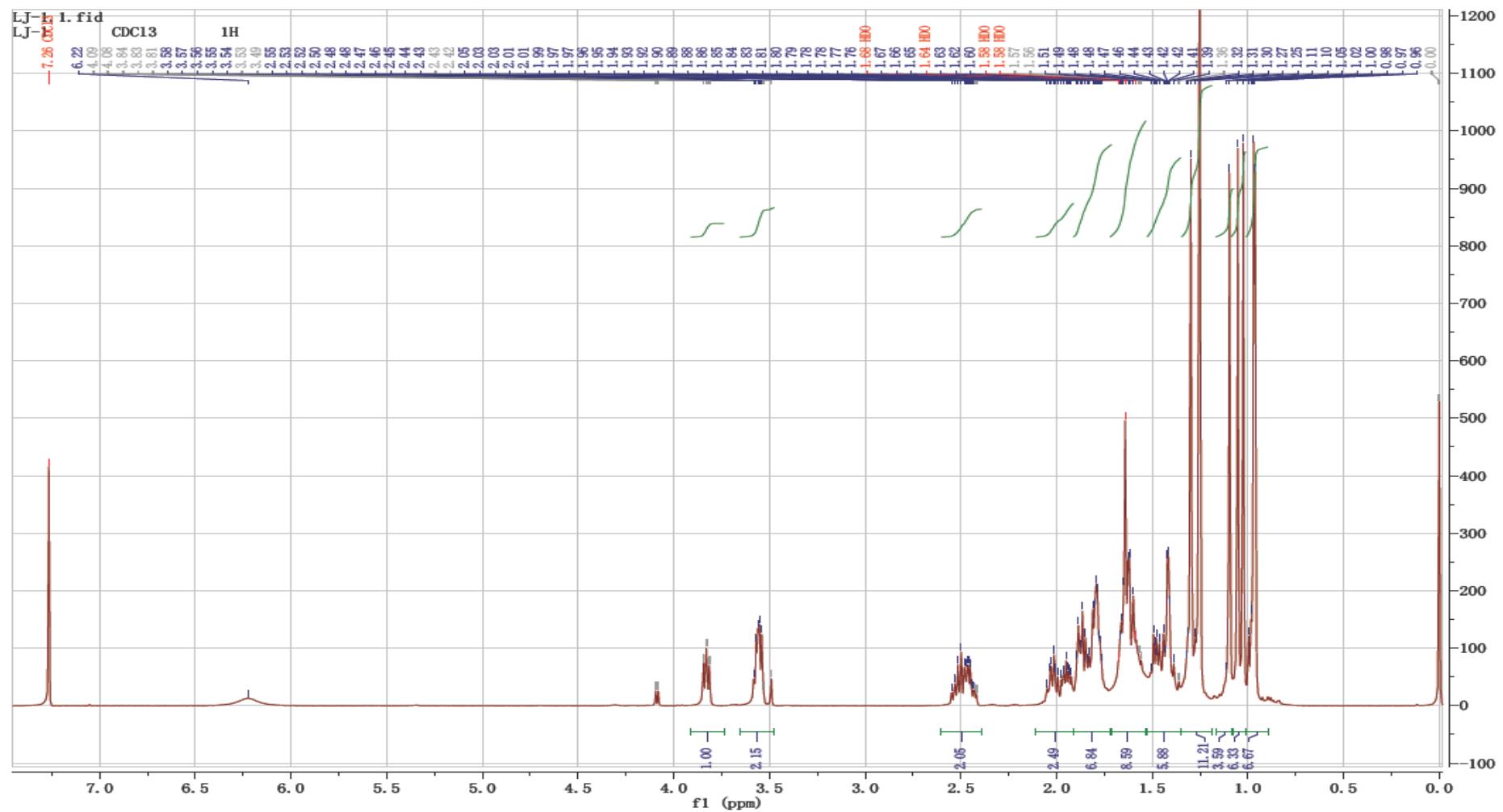


Fig. S19 <sup>1</sup>H NMR spectrum (500 MHz) of compound 4 in CDCl<sub>3</sub>

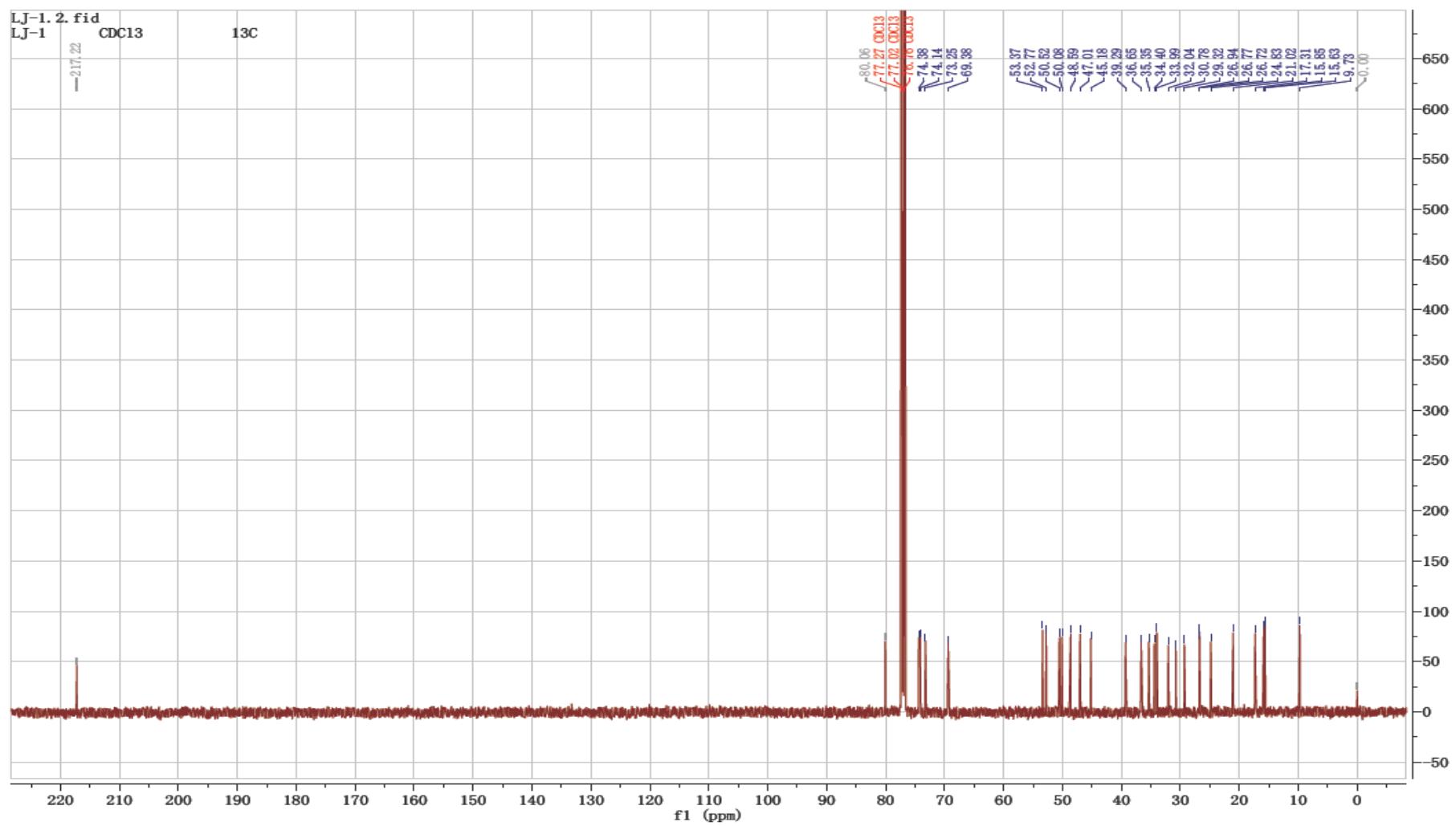


Fig. S20  $^{13}\text{C}$  NMR spectrum (125 MHz) of compound 4 in  $\text{CDCl}_3$

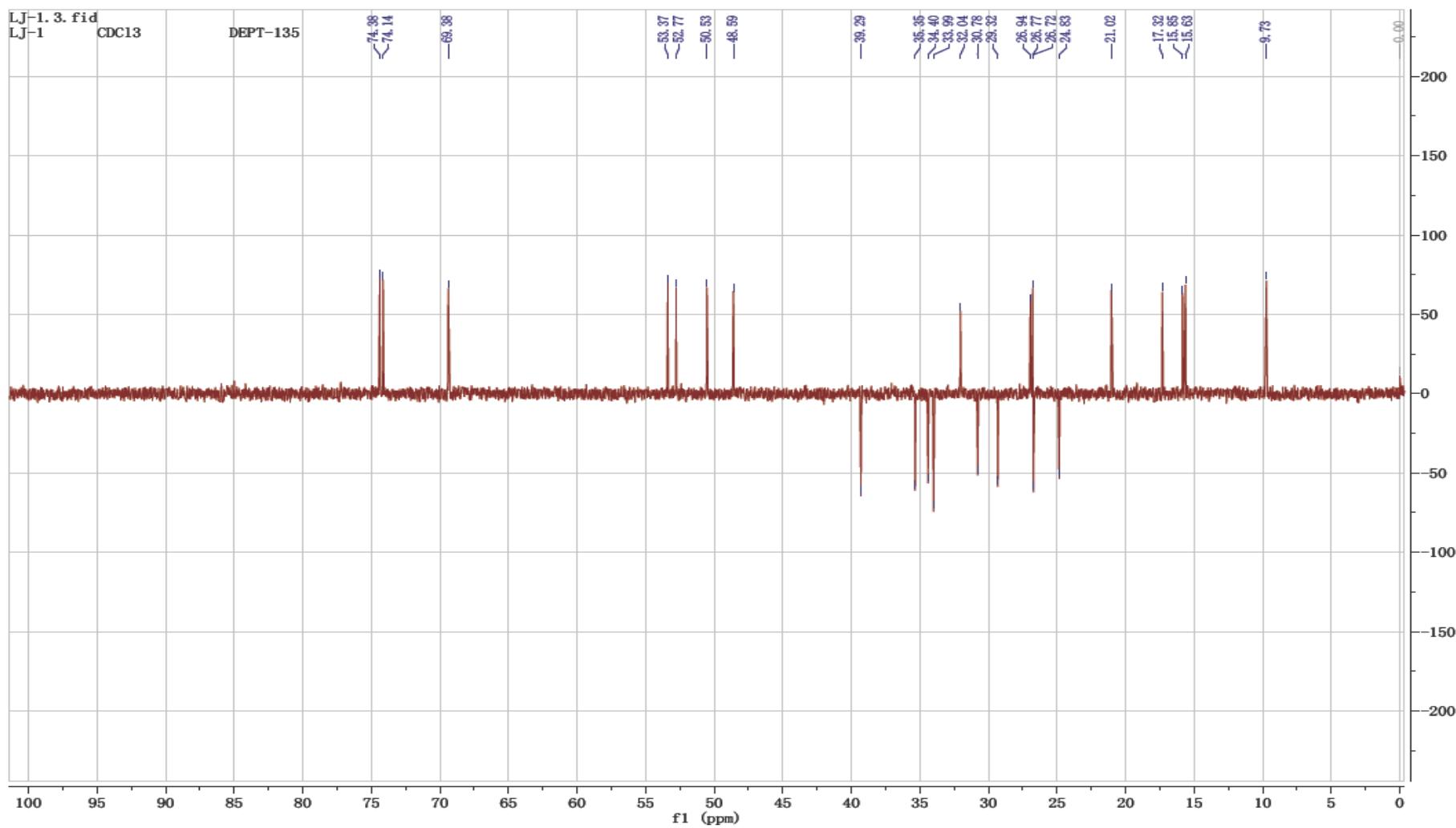


Fig. S21 DEPT-135 spectrum (125 MHz) of compound **4** in  $\text{CDCl}_3$

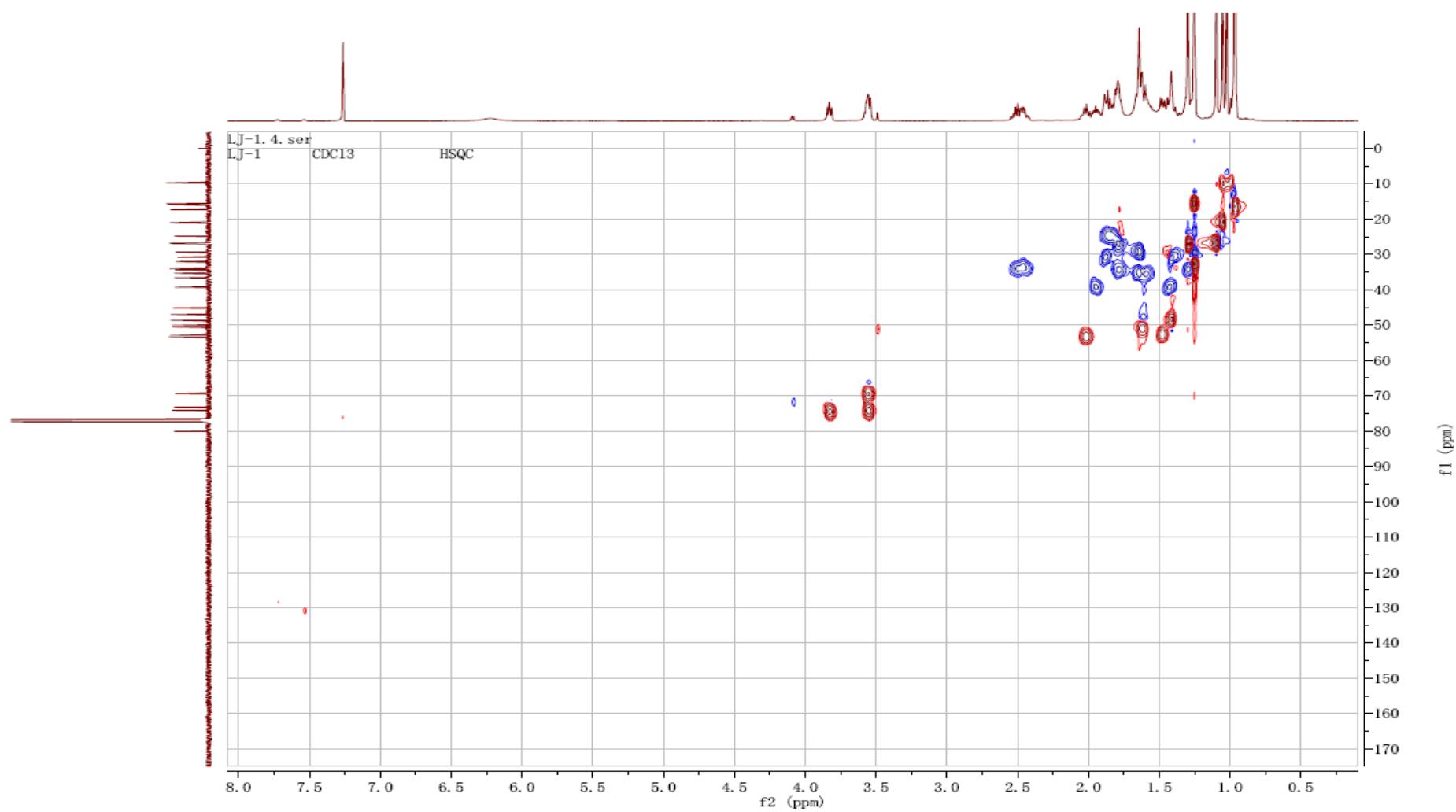


Fig. S22 HSQC spectrum (125 MHz) of compound **4** in  $\text{CDCl}_3$

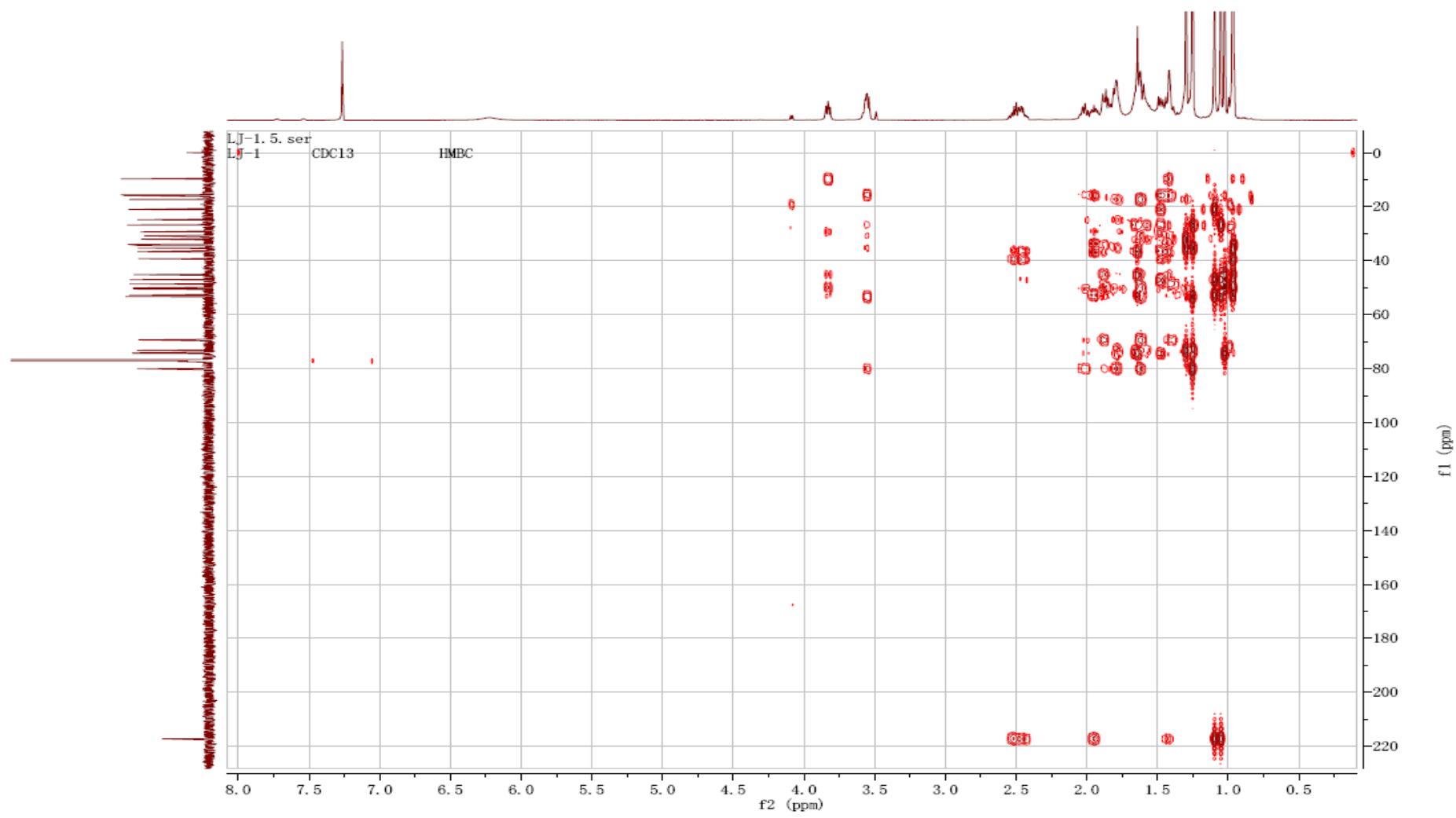


Fig. S23 HMBC spectrum (125 MHz) of compound 4 in  $\text{CDCl}_3$

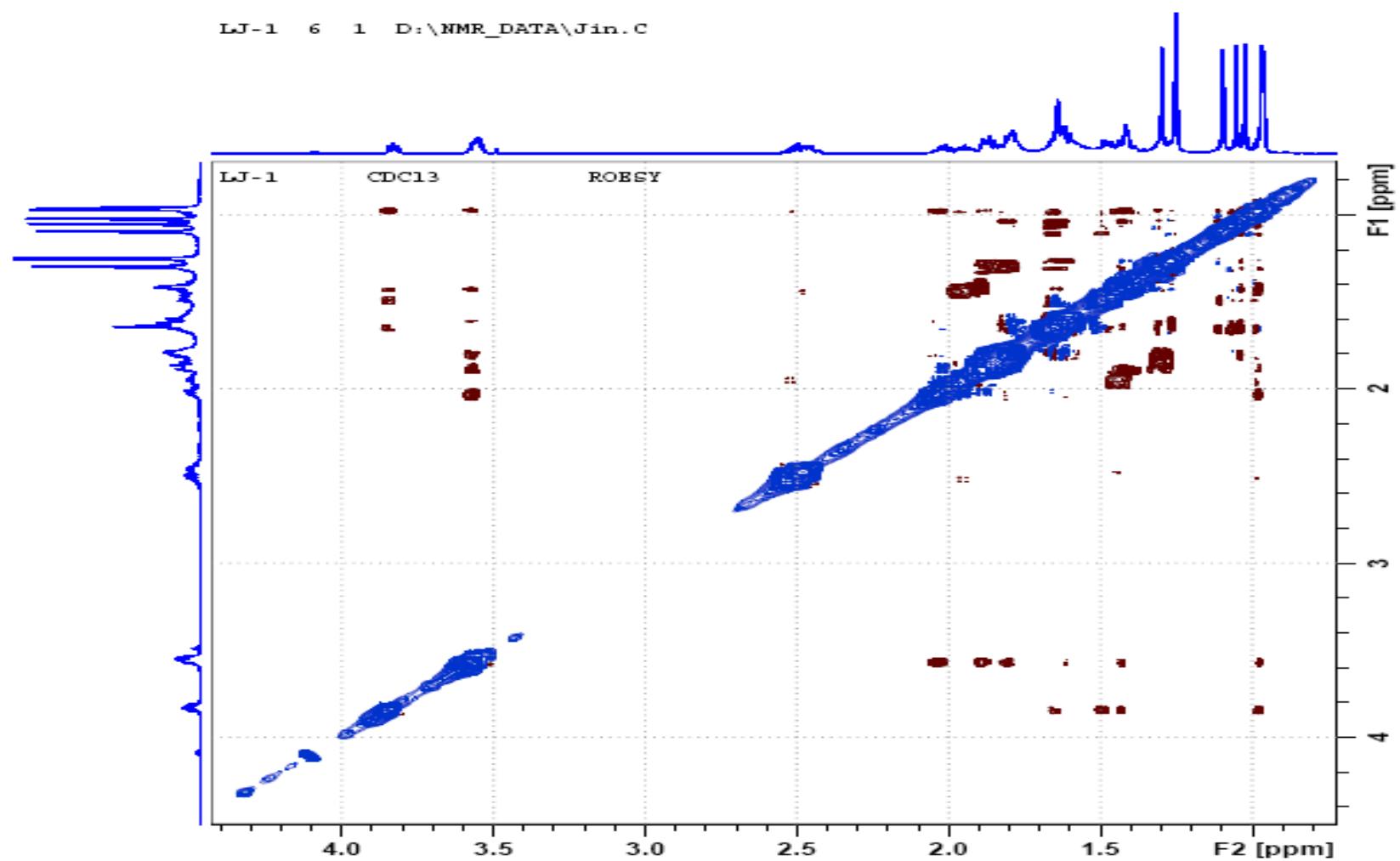


Fig. S24 NOESY spectrum (500 MHz) of compound **4** in  $\text{CDCl}_3$

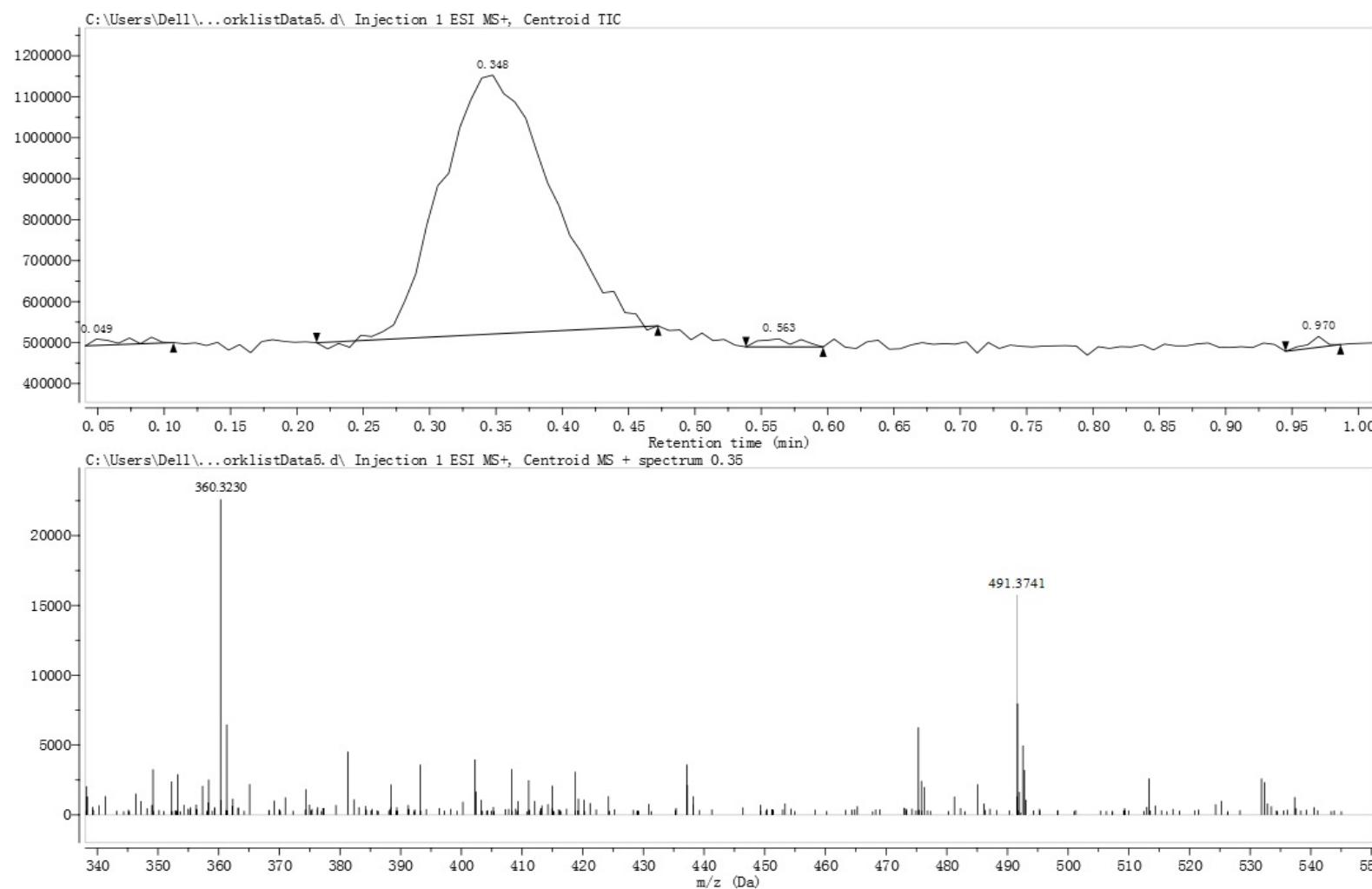
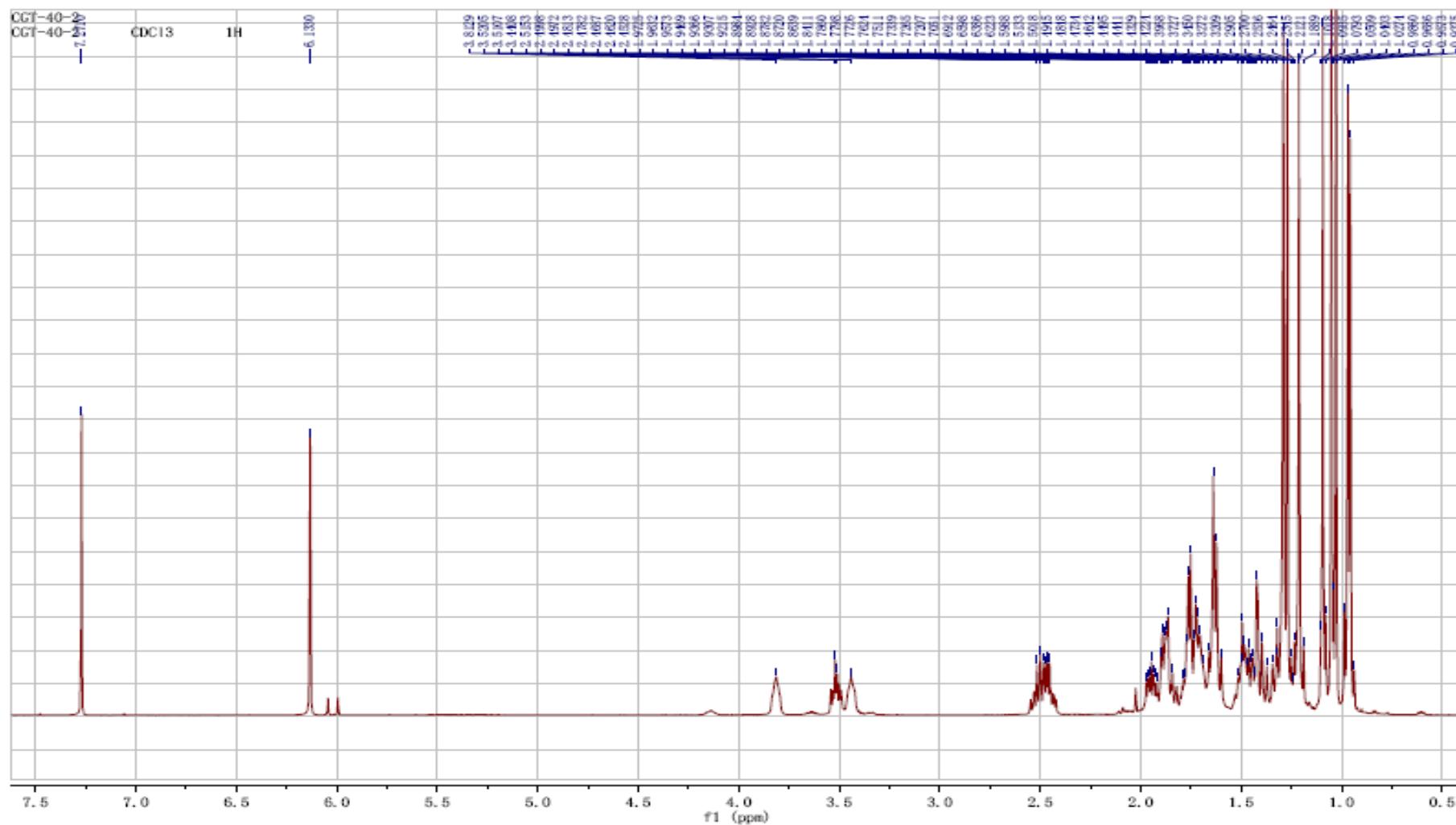


Fig. S25 HR-ESI-MS spectrum of compound 4



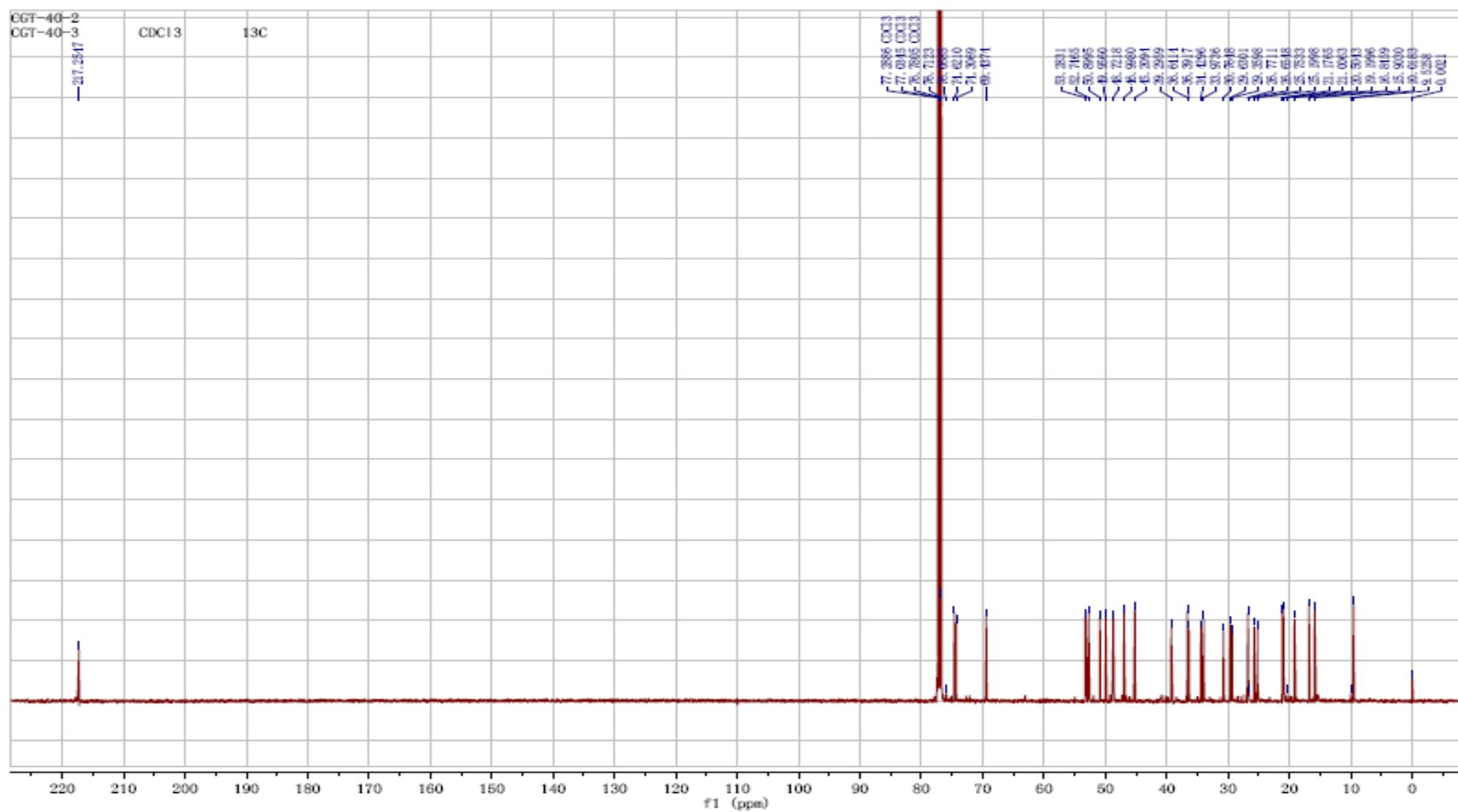


Fig. S27 <sup>13</sup>C NMR spectrum (125 MHz) of compound **5** in CDCl<sub>3</sub>

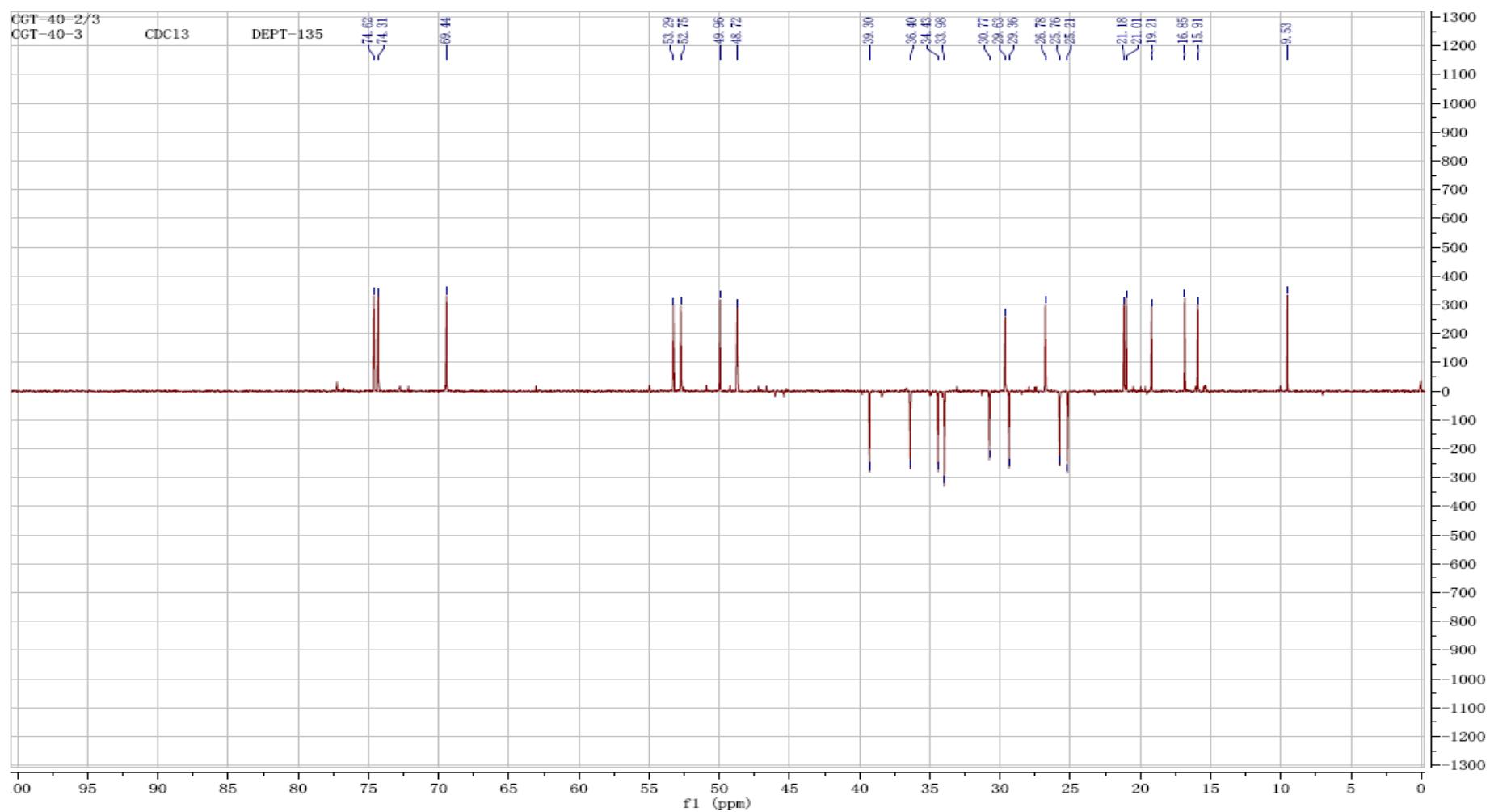


Fig. S28 DEPT-135 spectrum (125 MHz) of compound **5** in  $\text{CDCl}_3$

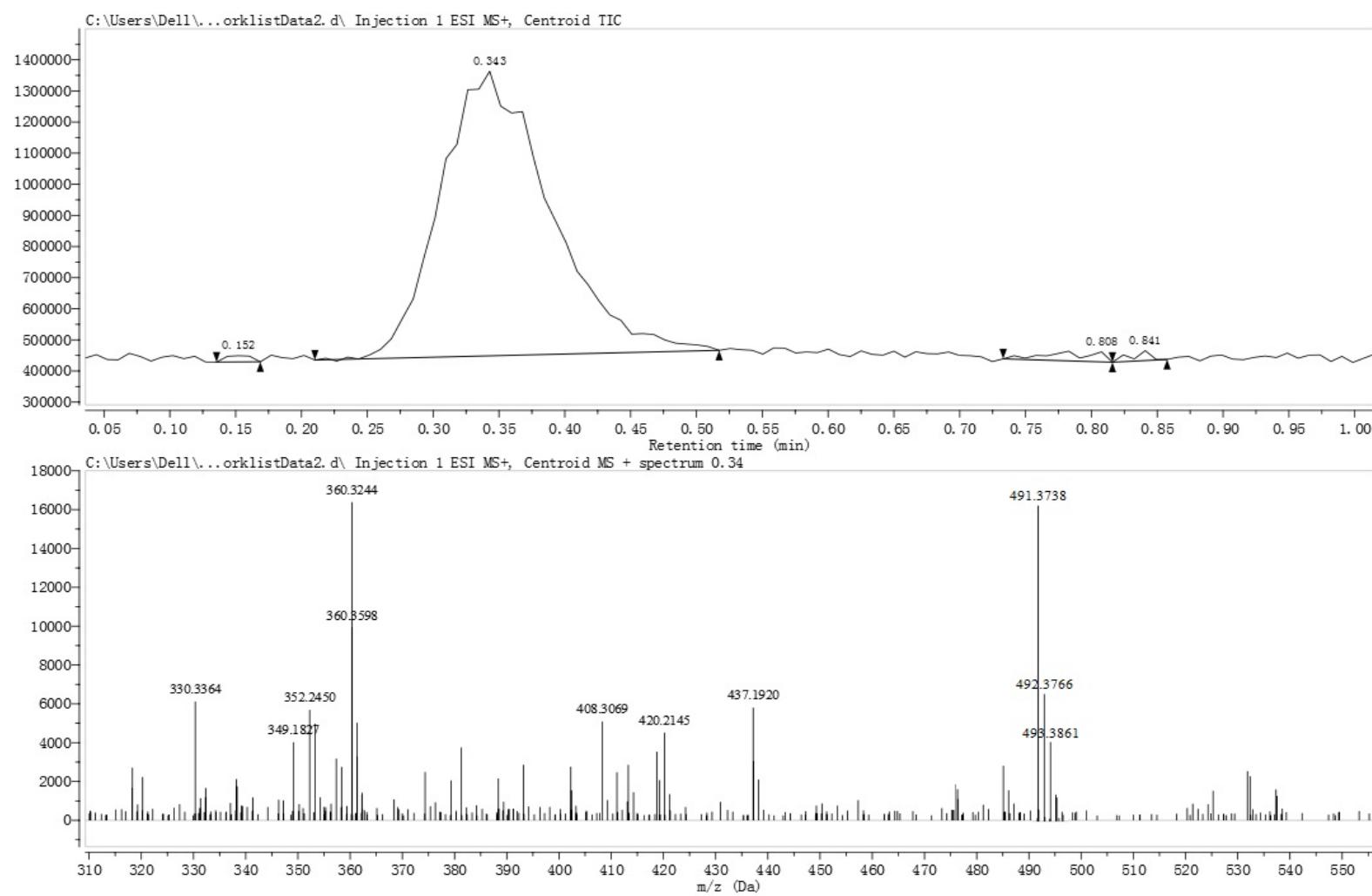


Fig. S29 HR-ESI-MS spectrum of compound 5

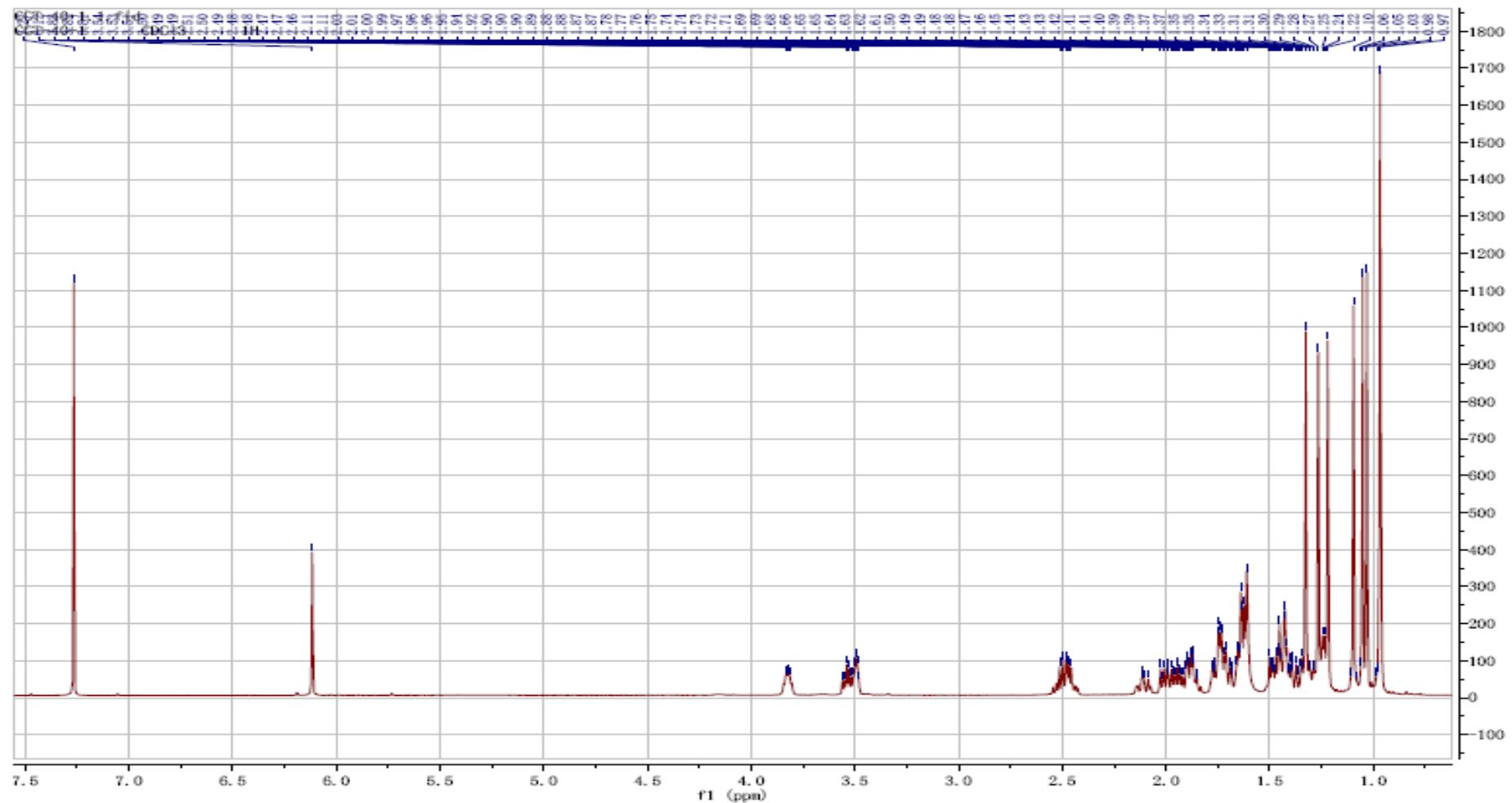


Fig. S30  $^1\text{H}$  NMR spectrum (500 MHz) of compound **6** in  $\text{CDCl}_3$

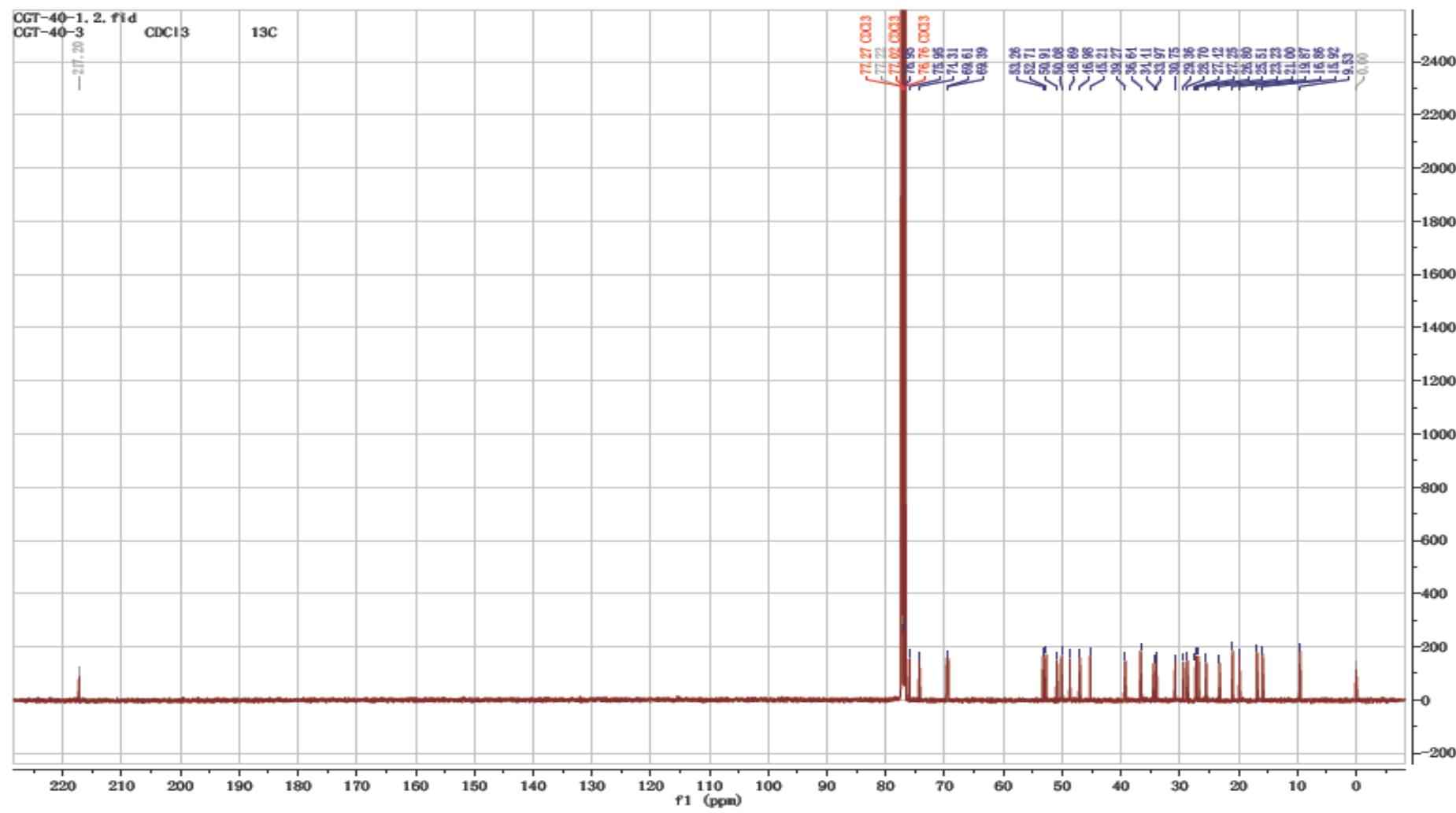


Fig. S31 <sup>13</sup>C NMR spectrum (125 MHz) of compound **6** in CDCl<sub>3</sub>

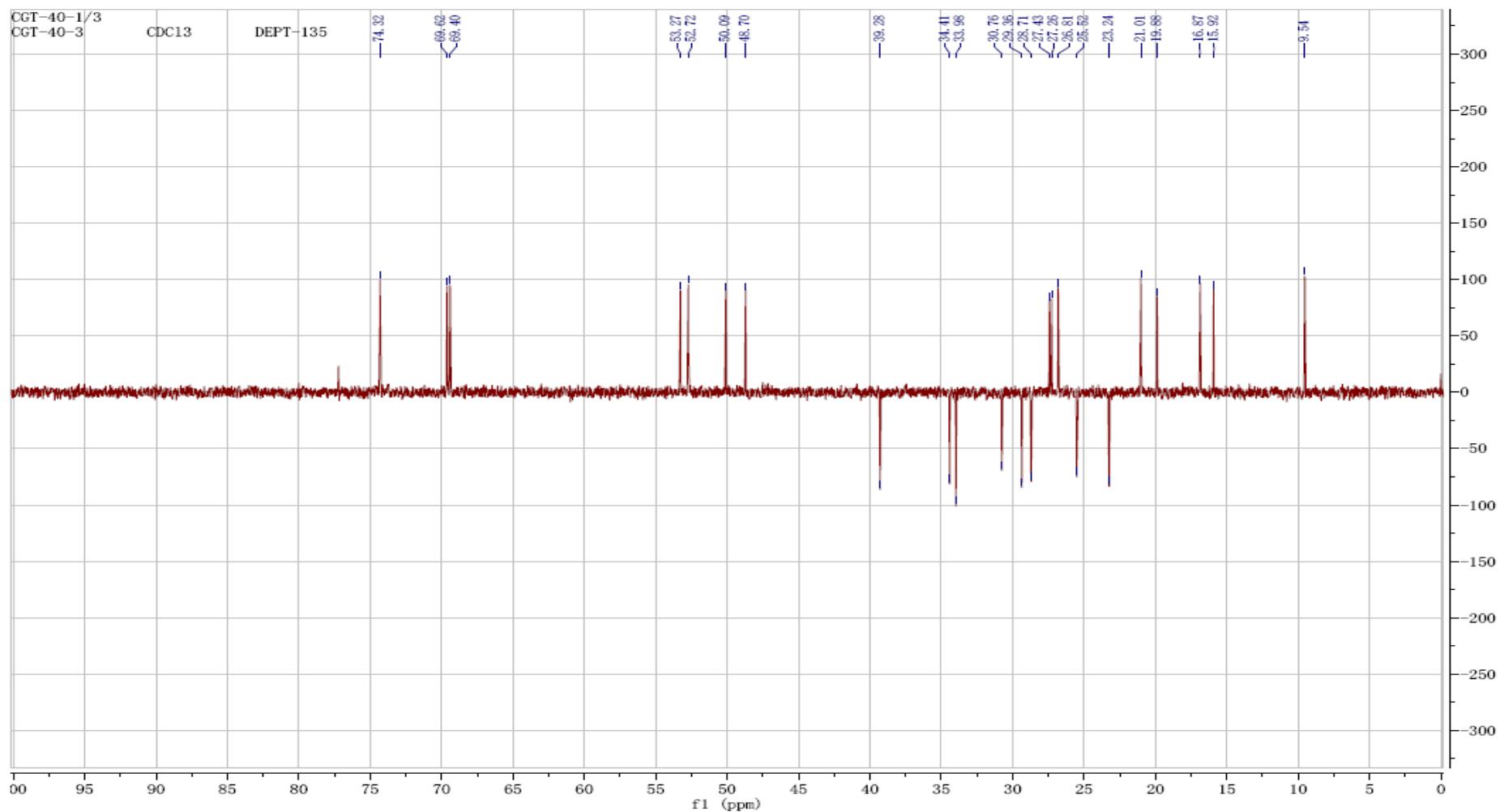


Fig. S32 DEPT-135 spectrum (125 MHz) of compound **6** in  $\text{CDCl}_3$

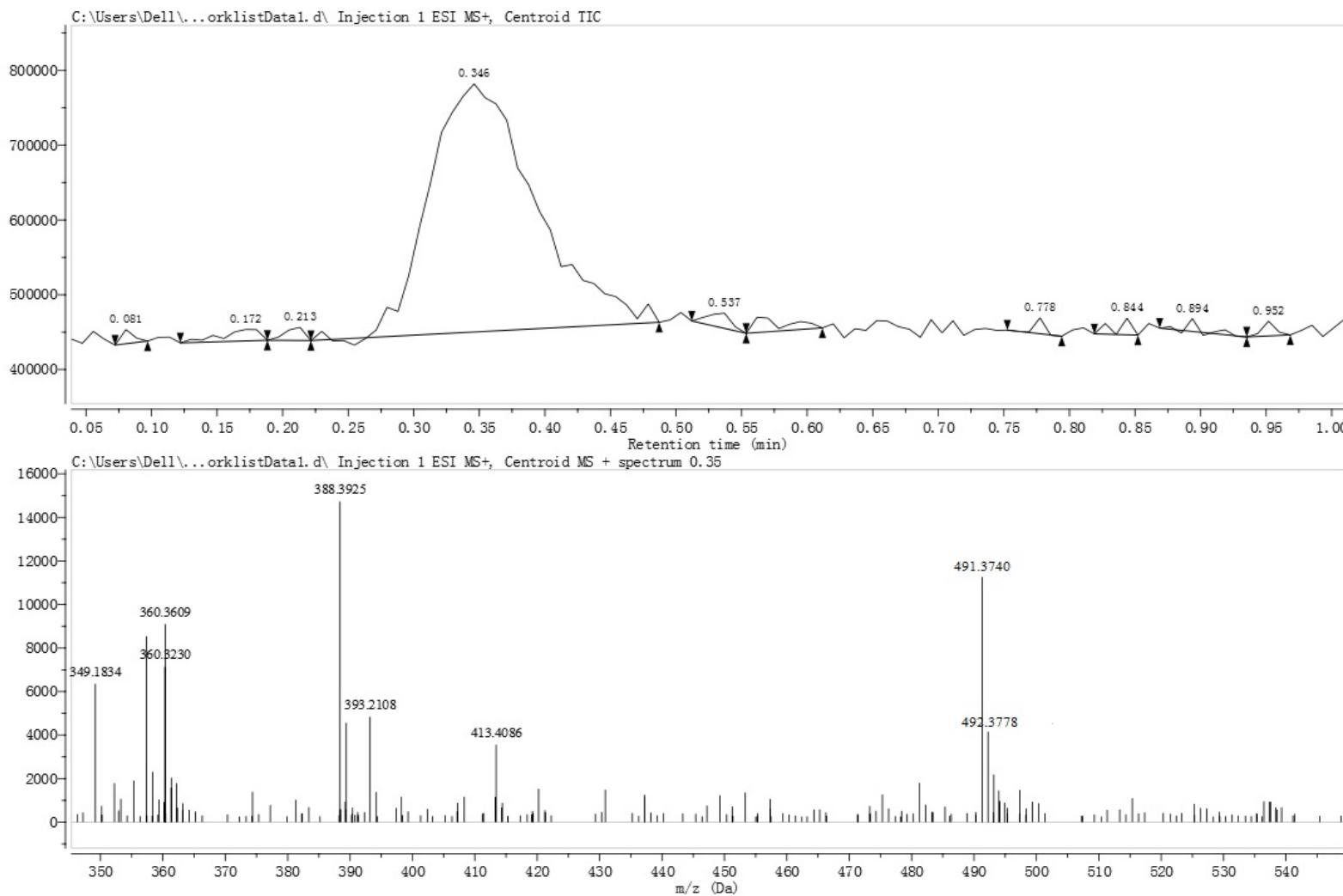


Fig. S33 HR-ESI-MS spectrum of compound 6