

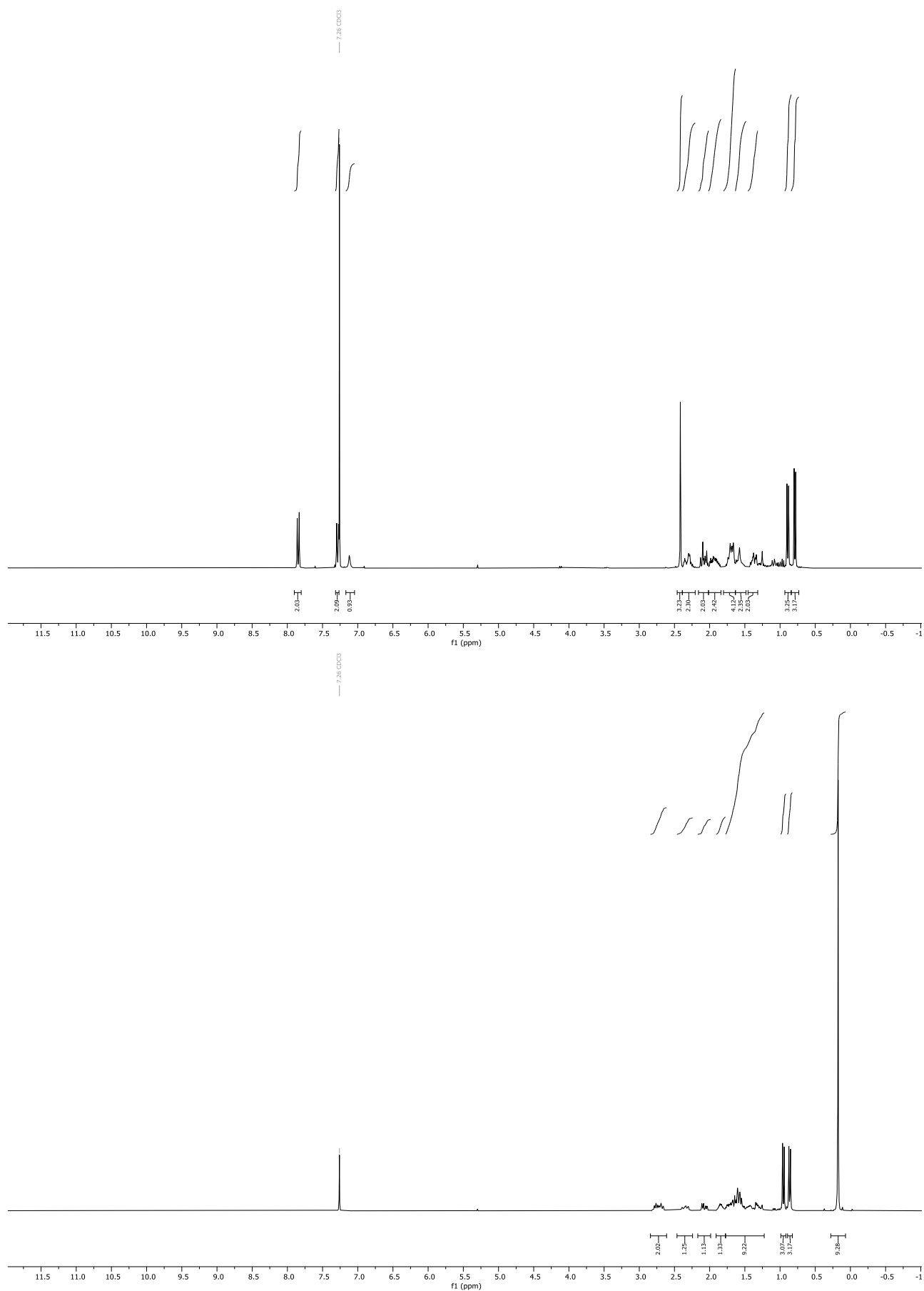
# Kinetic Resolution in Transannular Morita-Baylis-Hillman Reaction: An Approximation to the Synthesis of Sesquiterpenes from Guaiane Family

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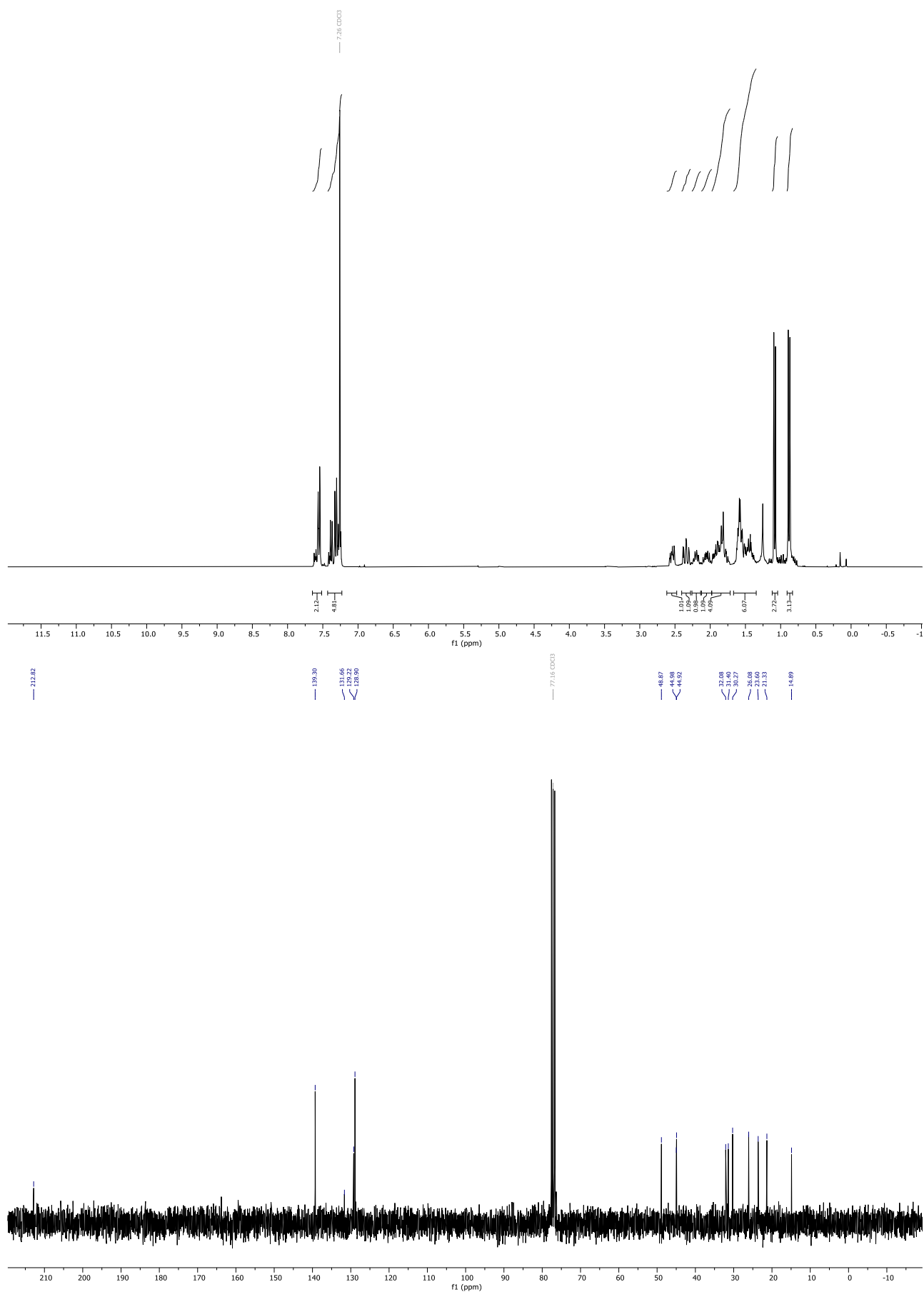
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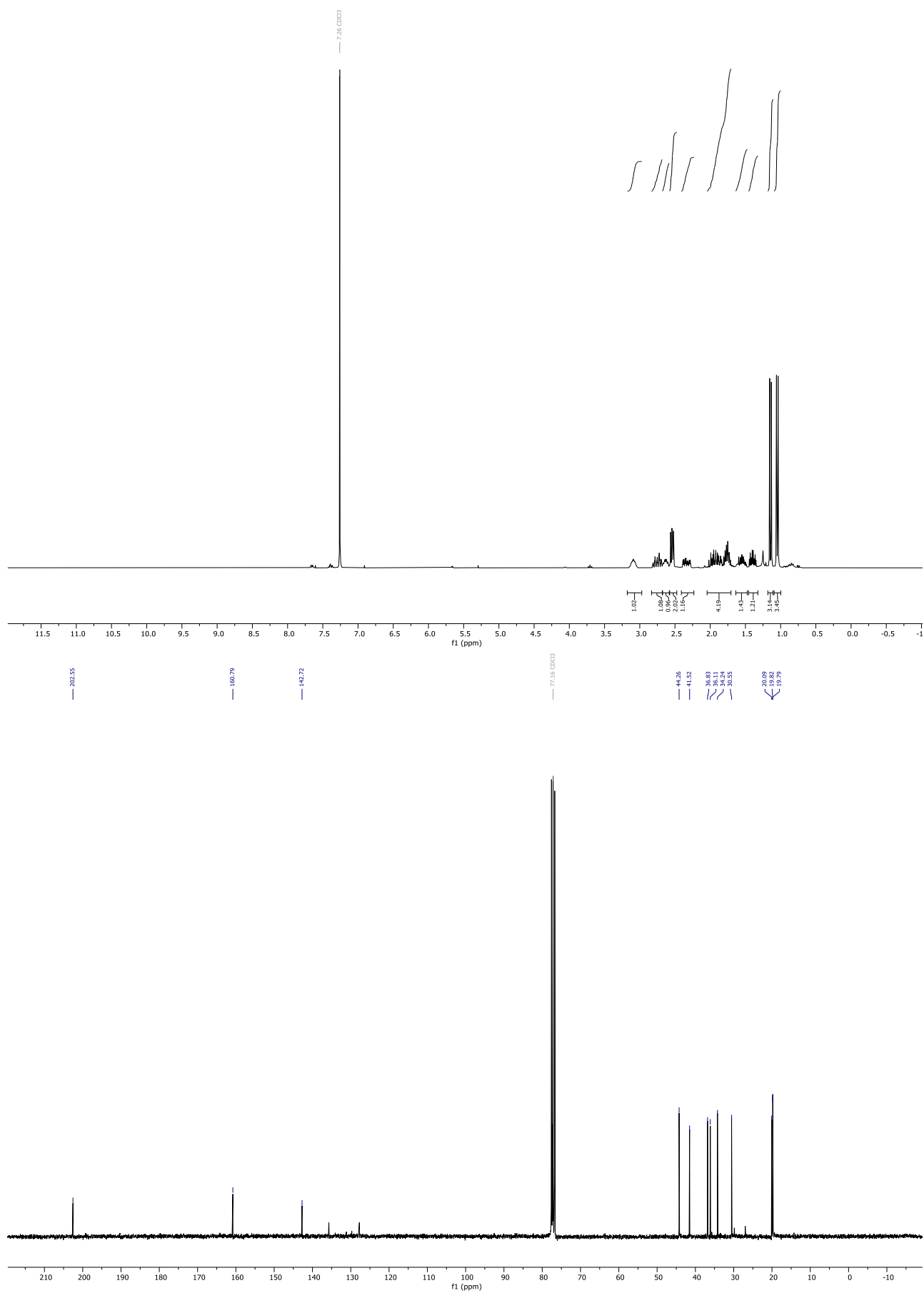
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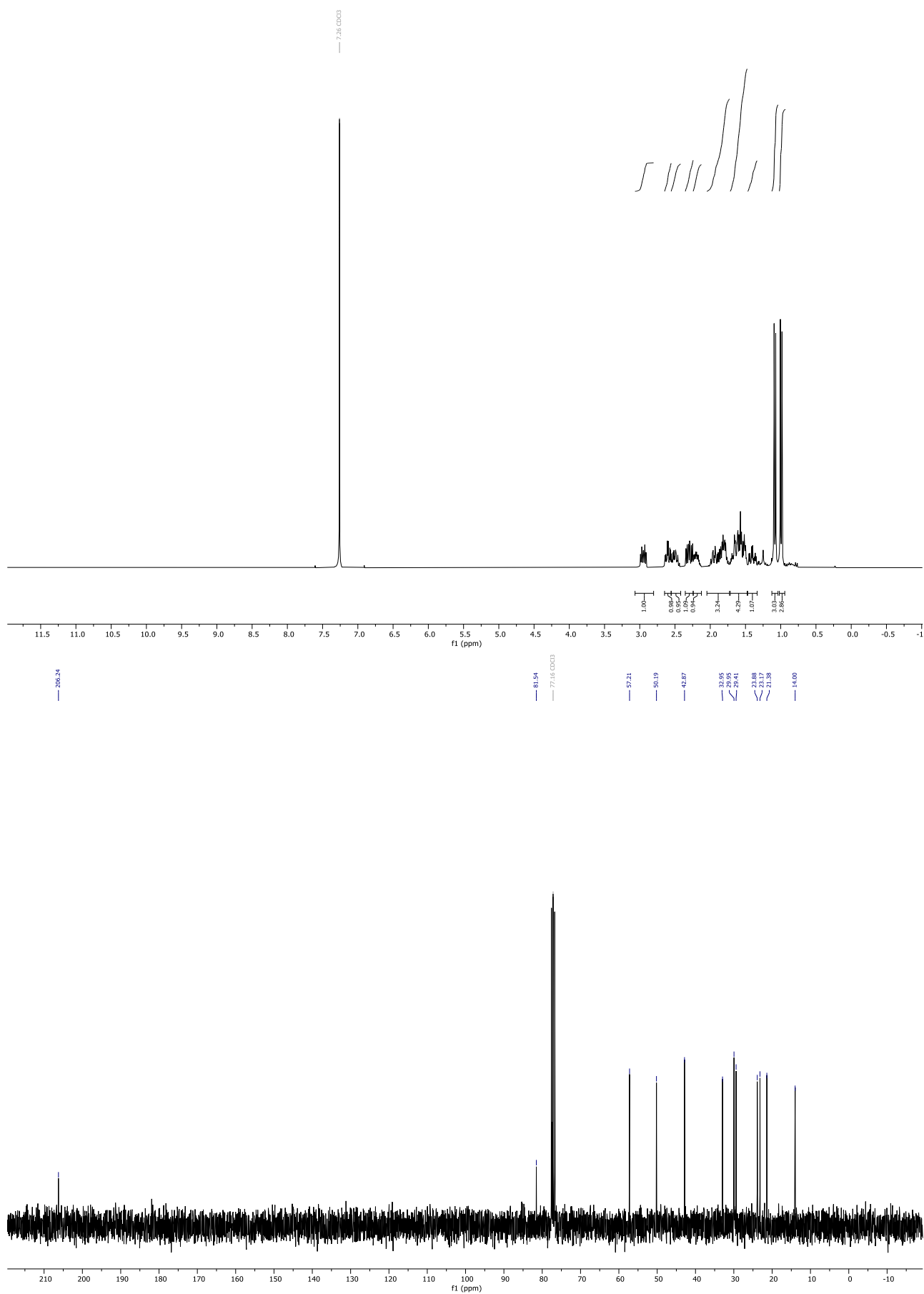
**Figure S1.**  $^1\text{H}$ -NMR (300 MHz,  $\text{CDCl}_3$ ) spectra of compound **9** and **10**



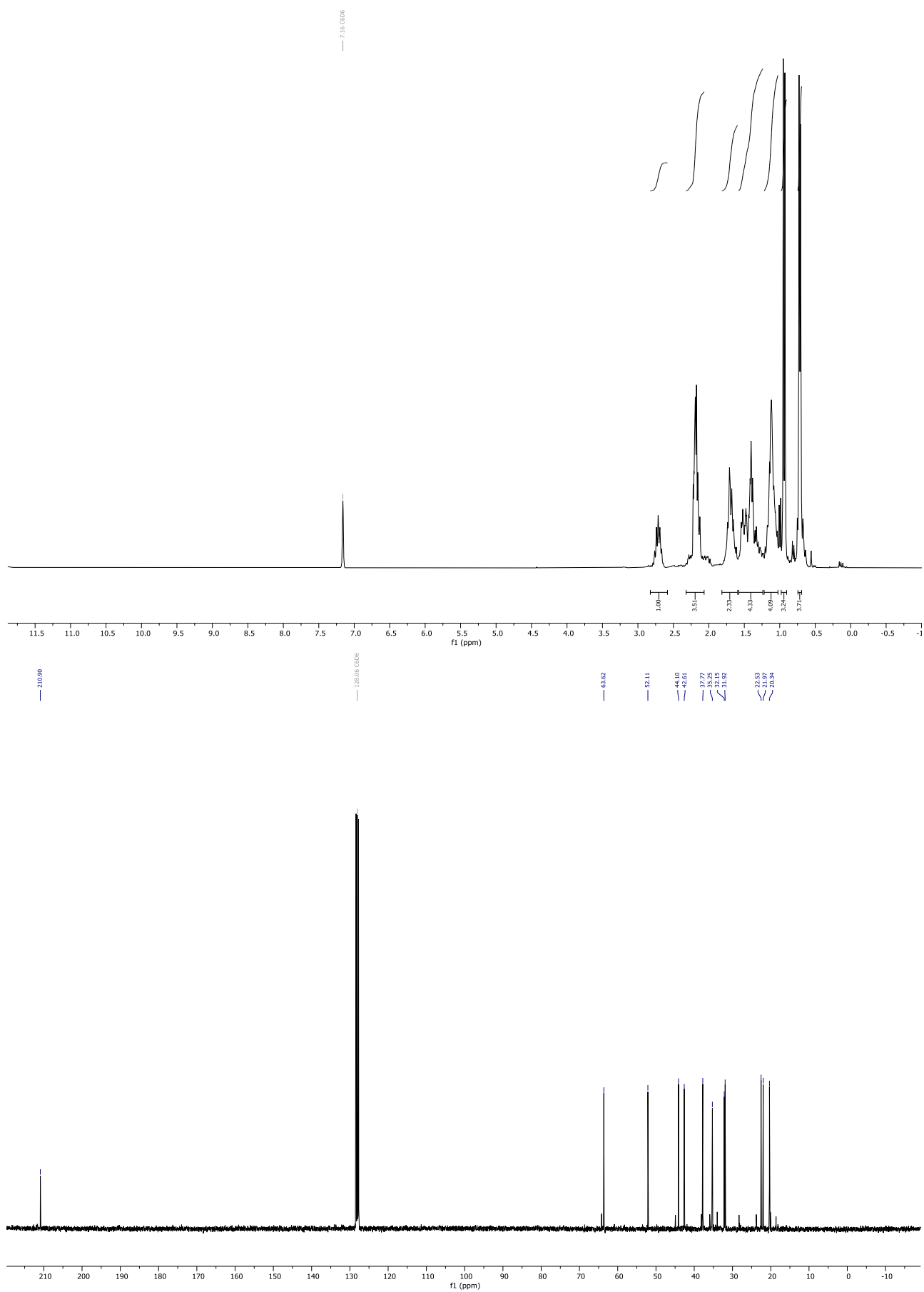
**Figure S2.** <sup>1</sup>H-NMR (300 MHz, CDCl<sub>3</sub>) and <sup>13</sup>C-NMR (75.5 MHz, CDCl<sub>3</sub>) spectra of compound **11**



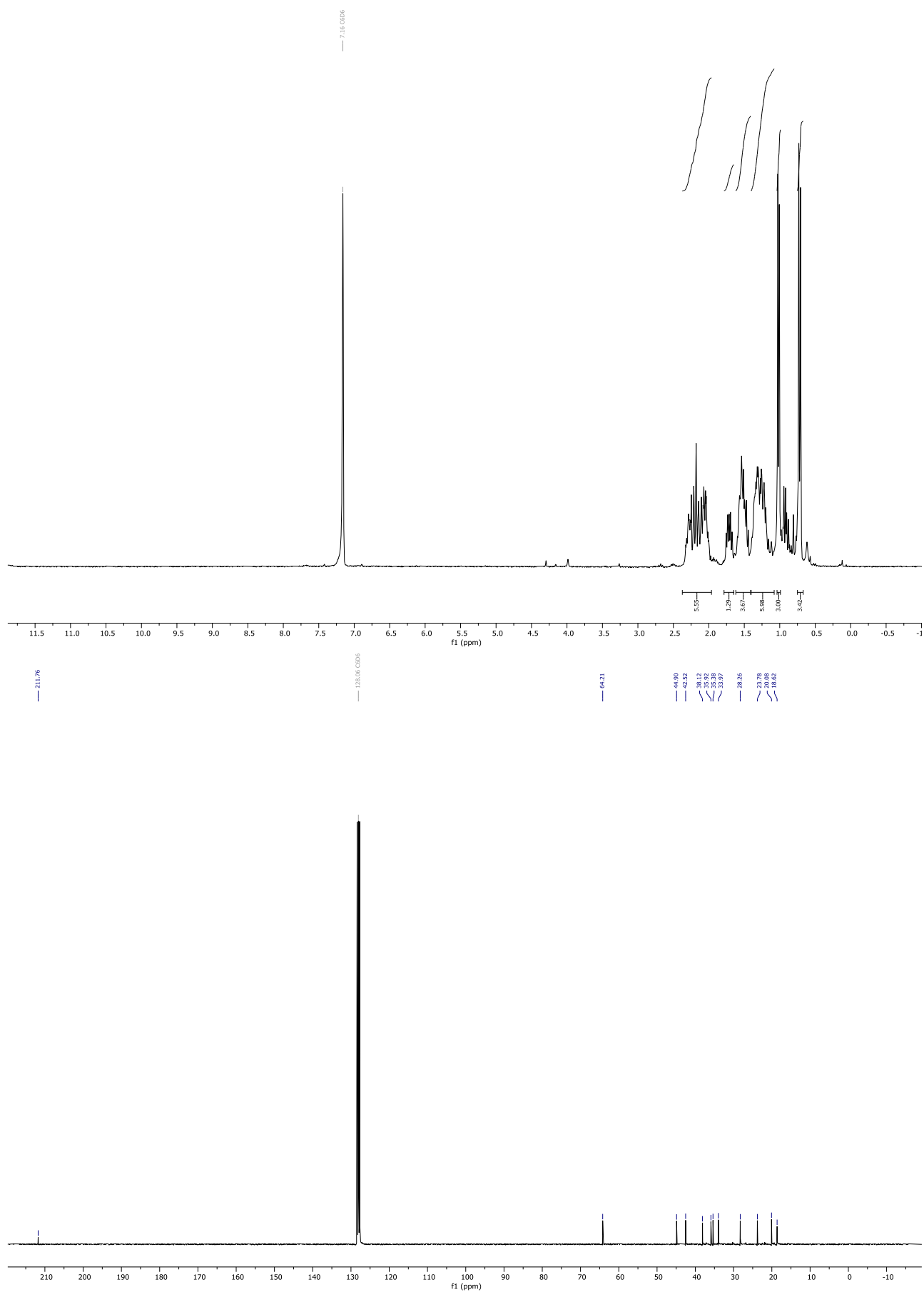
**Figure S3.** <sup>1</sup>H-NMR (300 MHz, CDCl<sub>3</sub>) and <sup>13</sup>C-NMR (75.5 MHz, CDCl<sub>3</sub>) spectra of compound **13**



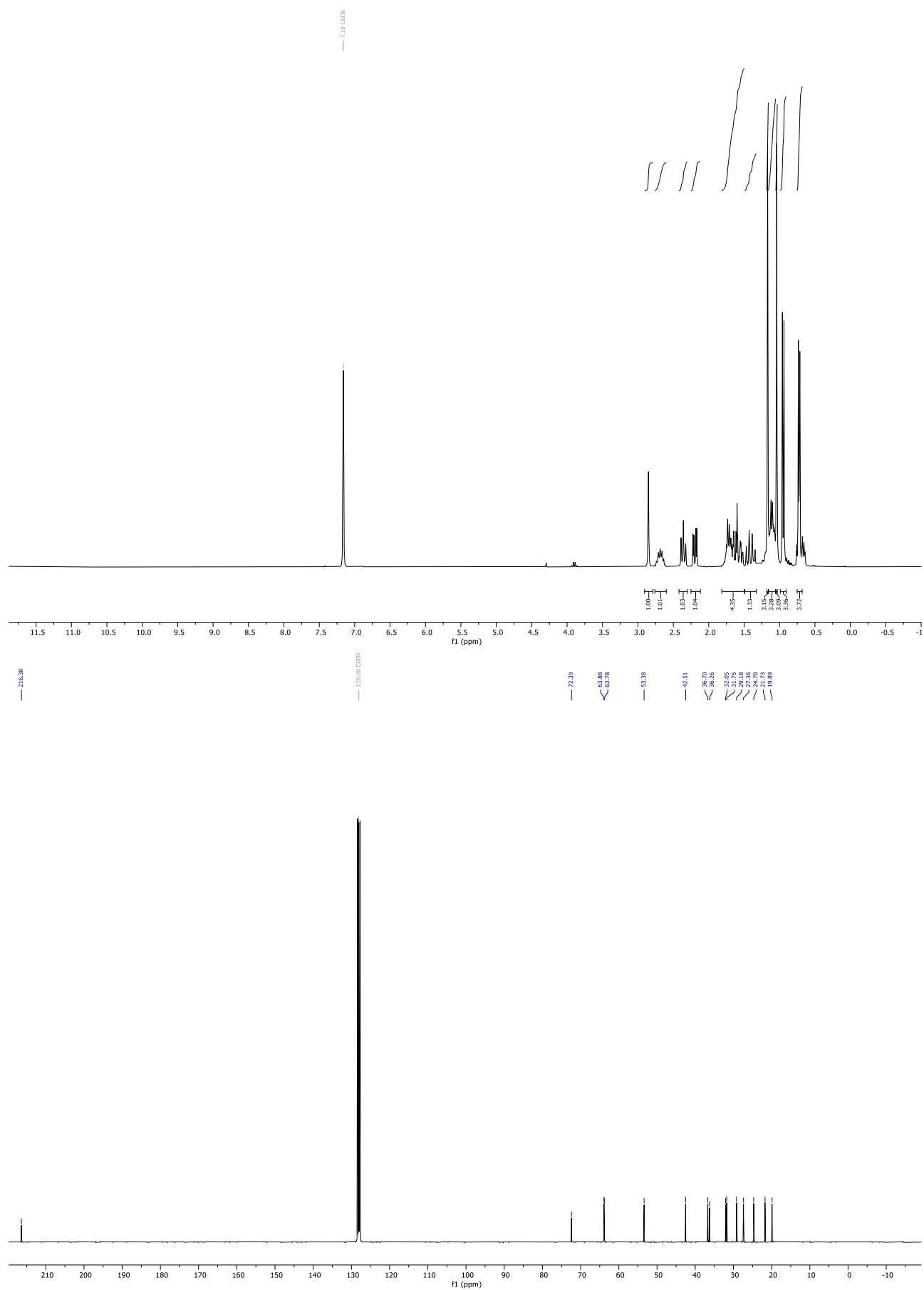
**Figure S4.** <sup>1</sup>H-NMR (300 MHz, CDCl<sub>3</sub>) and <sup>13</sup>C-NMR (75.5 MHz, CDCl<sub>3</sub>) spectra of compound **14**



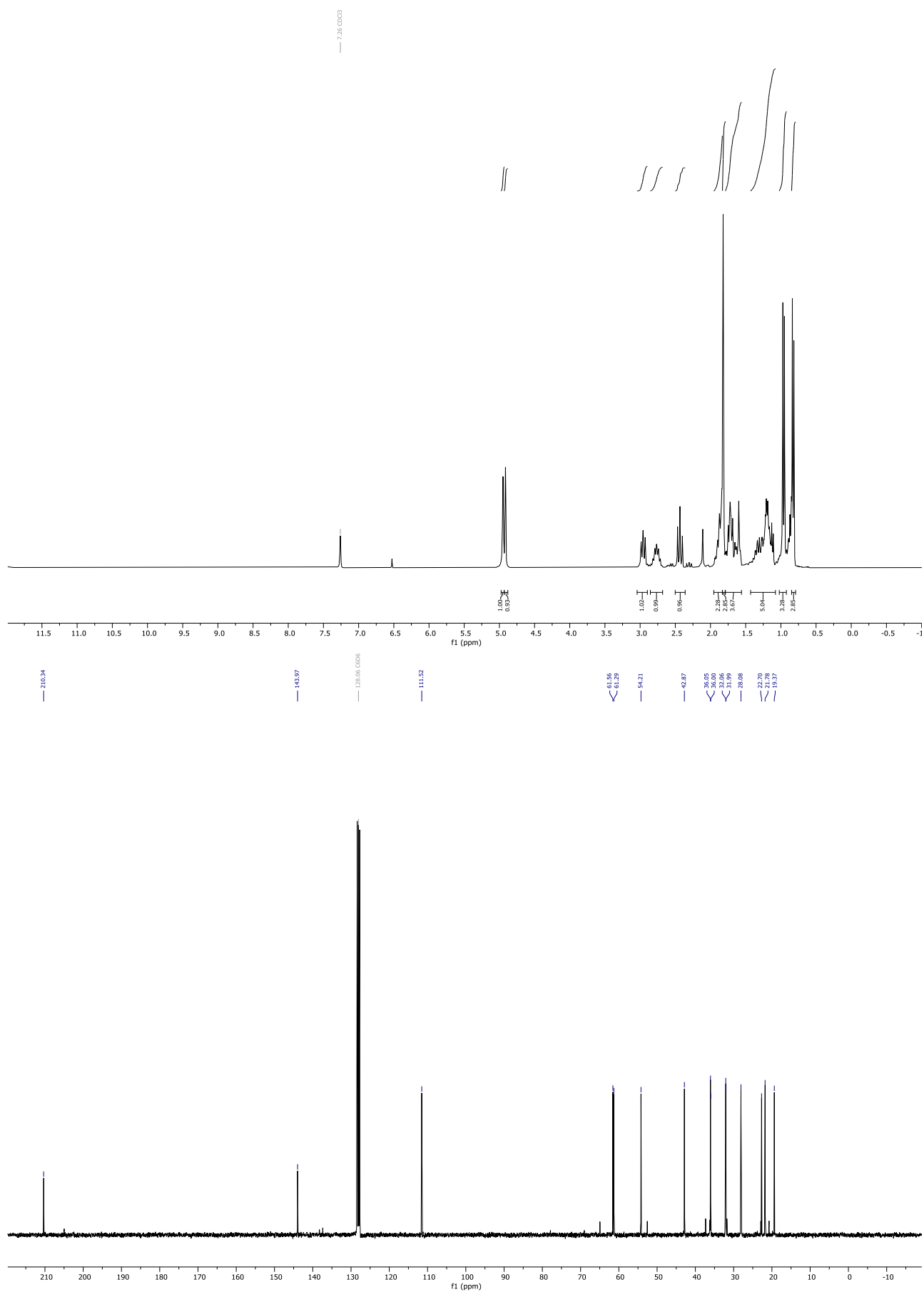
**Figure S5.**  $^1\text{H}$ -NMR (300 MHz,  $\text{C}_6\text{D}_6$ ) and  $^{13}\text{C}$ -NMR (75.5 MHz,  $\text{C}_6\text{D}_6$ ) spectra of compound **16**



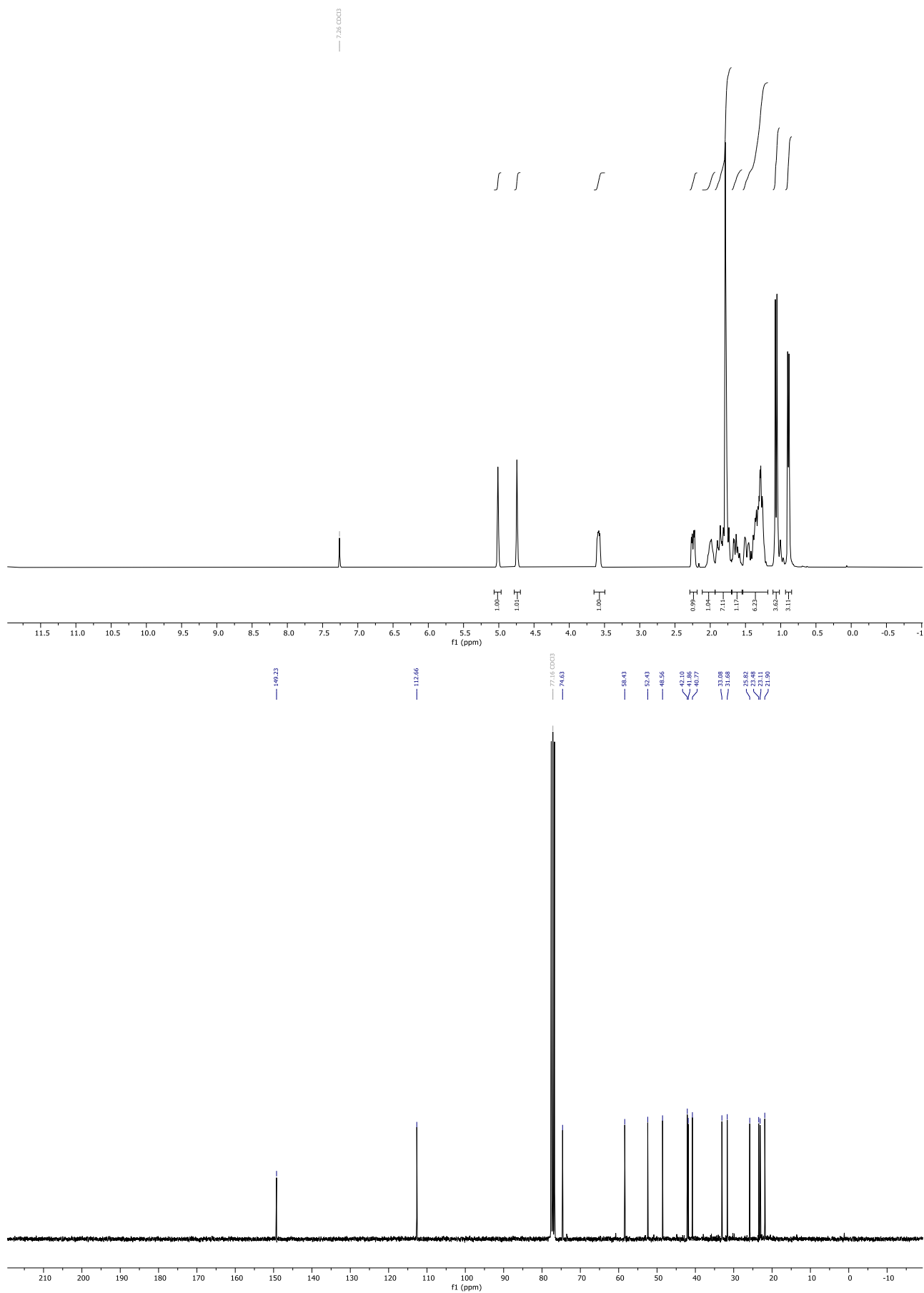
**Figure S6.**  $^1\text{H}$ -NMR (300 MHz,  $\text{C}_6\text{D}_6$ ) and  $^{13}\text{C}$ -NMR (75.5 MHz,  $\text{C}_6\text{D}_6$ ) spectra of compound 16'



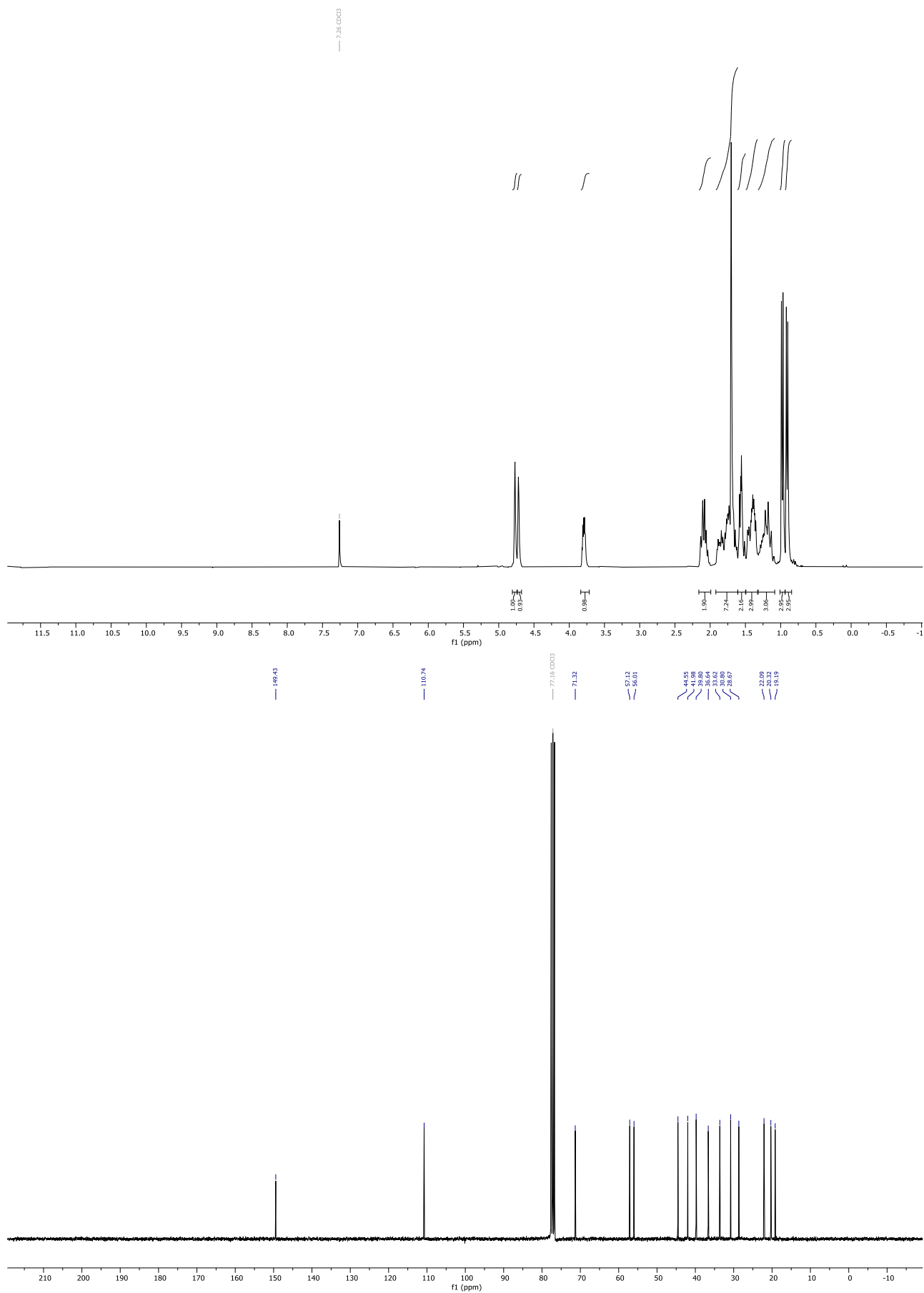
**Figure S7.** <sup>1</sup>H-NMR (300 MHz, C<sub>6</sub>D<sub>6</sub>) and <sup>13</sup>C-NMR (75.5 MHz, C<sub>6</sub>D<sub>6</sub>) spectra of compound **17**



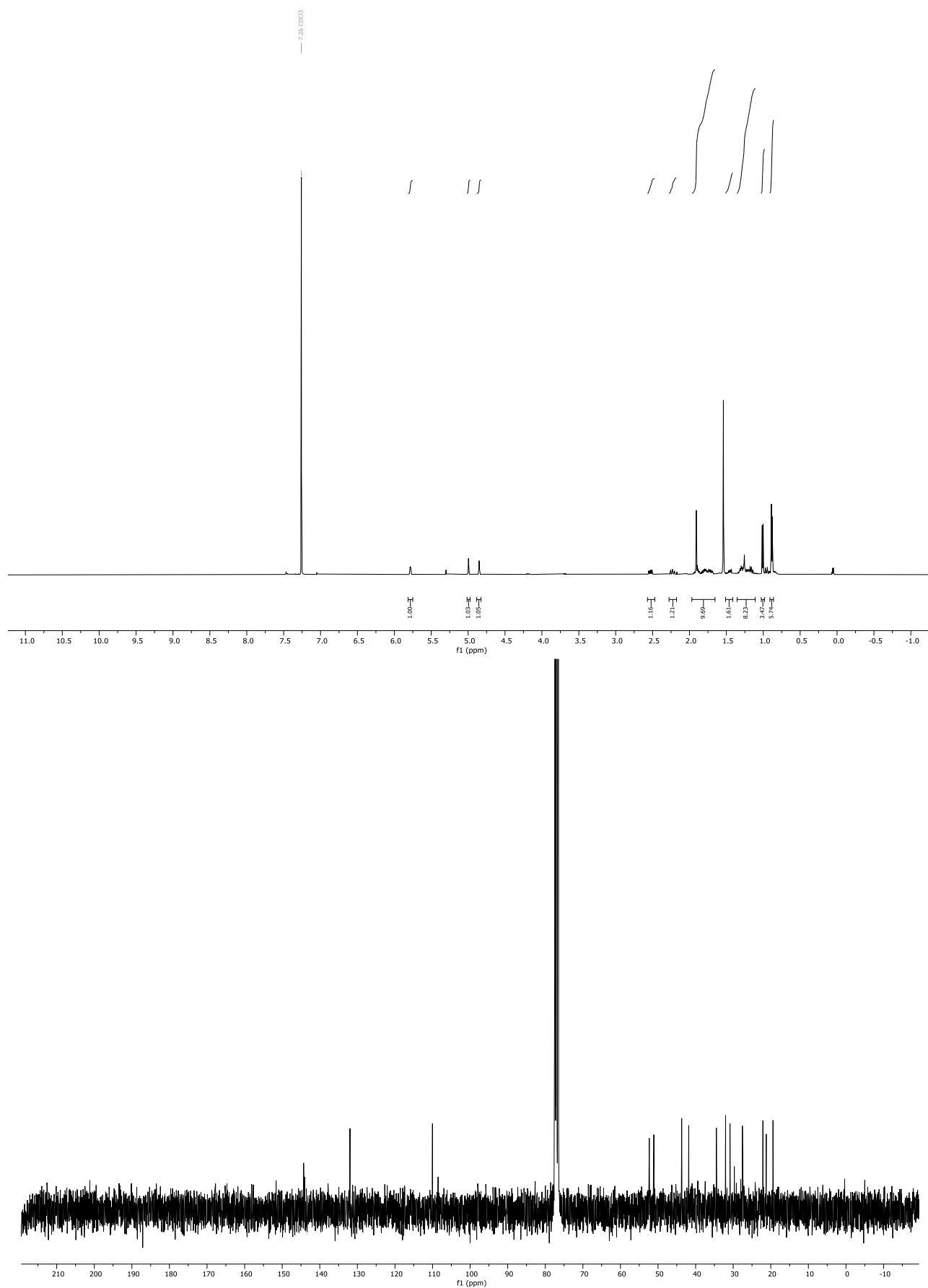
**Figure S8.**  $^1\text{H}$ -NMR (300 MHz,  $\text{C}_6\text{D}_6$ ) and  $^{13}\text{C}$ -NMR (75.5 MHz,  $\text{C}_6\text{D}_6$ ) spectra of compound **18**



**Figure S9.** <sup>1</sup>H-NMR (300 MHz, CDCl<sub>3</sub>) and <sup>13</sup>C-NMR (75.5 MHz, CDCl<sub>3</sub>) spectra of compound **19**



**Figure S10.**  $^1\text{H}$ -NMR (300 MHz,  $\text{CDCl}_3$ ) and  $^{13}\text{C}$ -NMR (75.5 MHz,  $\text{CDCl}_3$ ) spectra of compound 19'



**Figure S11.** <sup>1</sup>H-NMR (500 MHz, CDCl<sub>3</sub>) and <sup>13</sup>C-NMR (125 MHz, CDCl<sub>3</sub>) spectra of compound *epi*-didehydrodihydroisoguaiene