

# Triterpenoids from the Rhizomes of *Astilbe chinensis*

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## Supporting Information

**Figure S1.**  $^1\text{H}$ NMR spectra of 1 (400 MHz,  $\text{C}_5\text{D}_5\text{N}$ )

**Figure S2.**  $^{13}\text{C}$ NMR spectra of 1 (100 MHz,  $\text{C}_5\text{D}_5\text{N}$ )

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**FigureS24.** DEPT NMR spectra of 5 (100 MHz, C<sub>5</sub>D<sub>5</sub>N)

**FigureS25.** HMQC NMR spectra of 5 (C<sub>5</sub>D<sub>5</sub>N)

**FigureS26.** HMBC NMR spectra of 5 (C<sub>5</sub>D<sub>5</sub>N)

**FigureS27.**  $^1\text{H}$ NMR spectra of 6 (400 MHz, C<sub>5</sub>D<sub>5</sub>N)

**FigureS28.**  $^{13}\text{C}$ NMR spectra of 6 (100 MHz, C<sub>5</sub>D<sub>5</sub>N)

**FigureS29.** DEPT NMR spectra of 6 (100 MHz, C<sub>5</sub>D<sub>5</sub>N)

**FigureS30.** HMQC spectra of 6 (C<sub>5</sub>D<sub>5</sub>N)

**FigureS31.** HMBC spectra of 6 (C<sub>5</sub>D<sub>5</sub>N)

Figure S1.  $^1\text{H}$  NMR spectra of 1 (400 MHz,  $\text{C}_5\text{D}_5\text{N}$ )

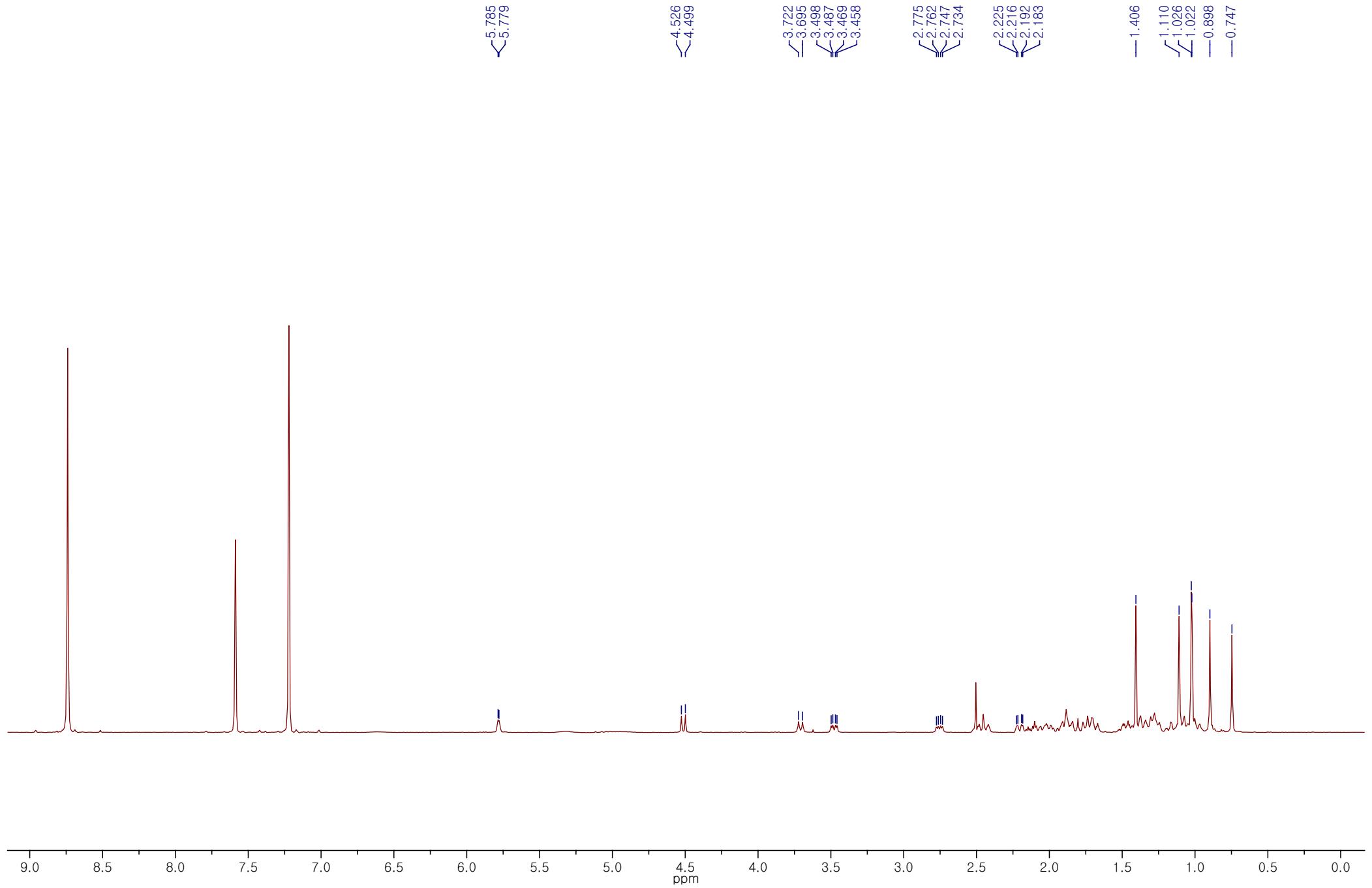


Figure S2.  $^{13}\text{C}$  NMR spectra of 1 (100 MHz,  $\text{C}_5\text{D}_5\text{N}$ )

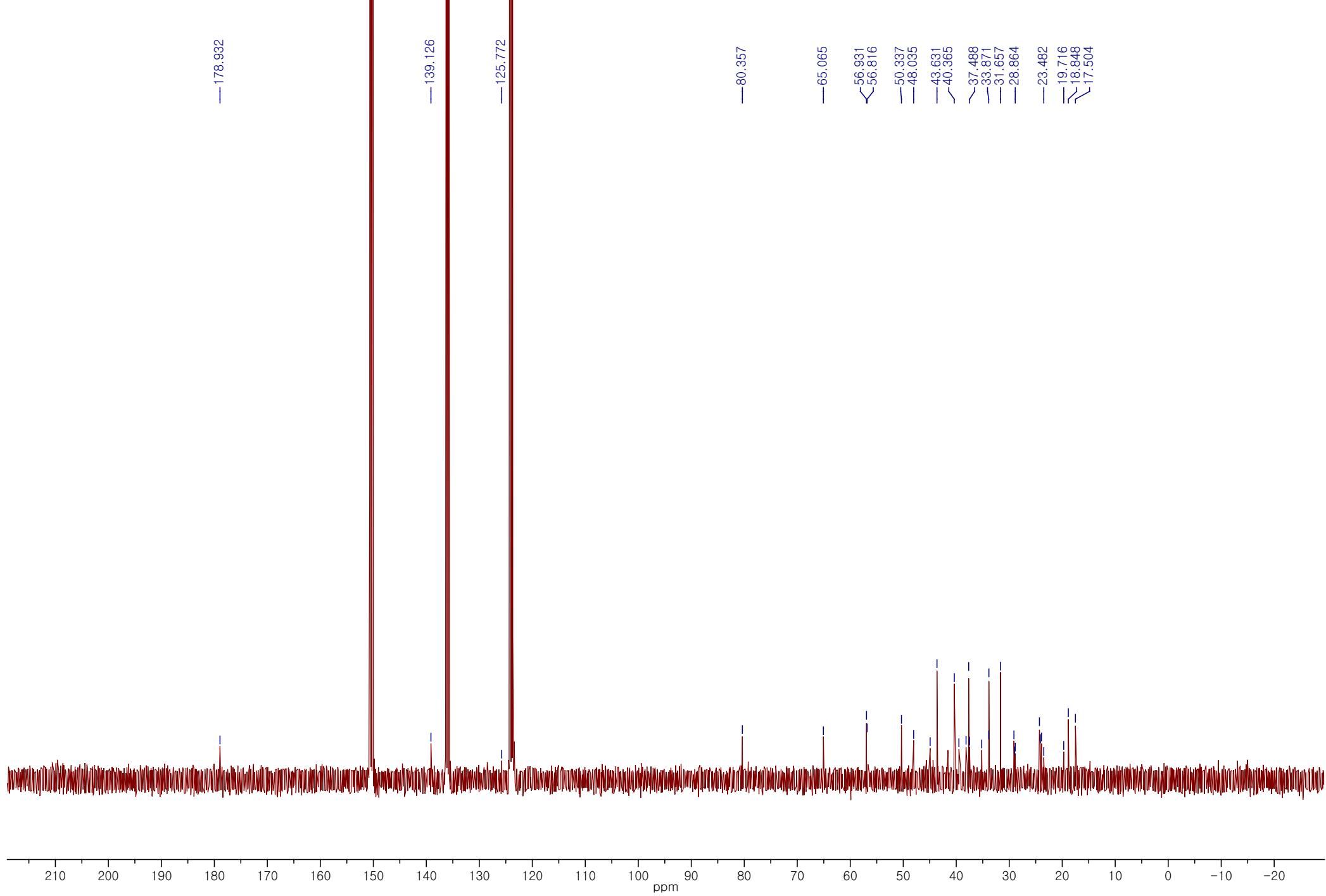


Figure S3. DEPT NMR spectra of 1 (100 MHz, C<sub>5</sub>D<sub>5</sub>N)

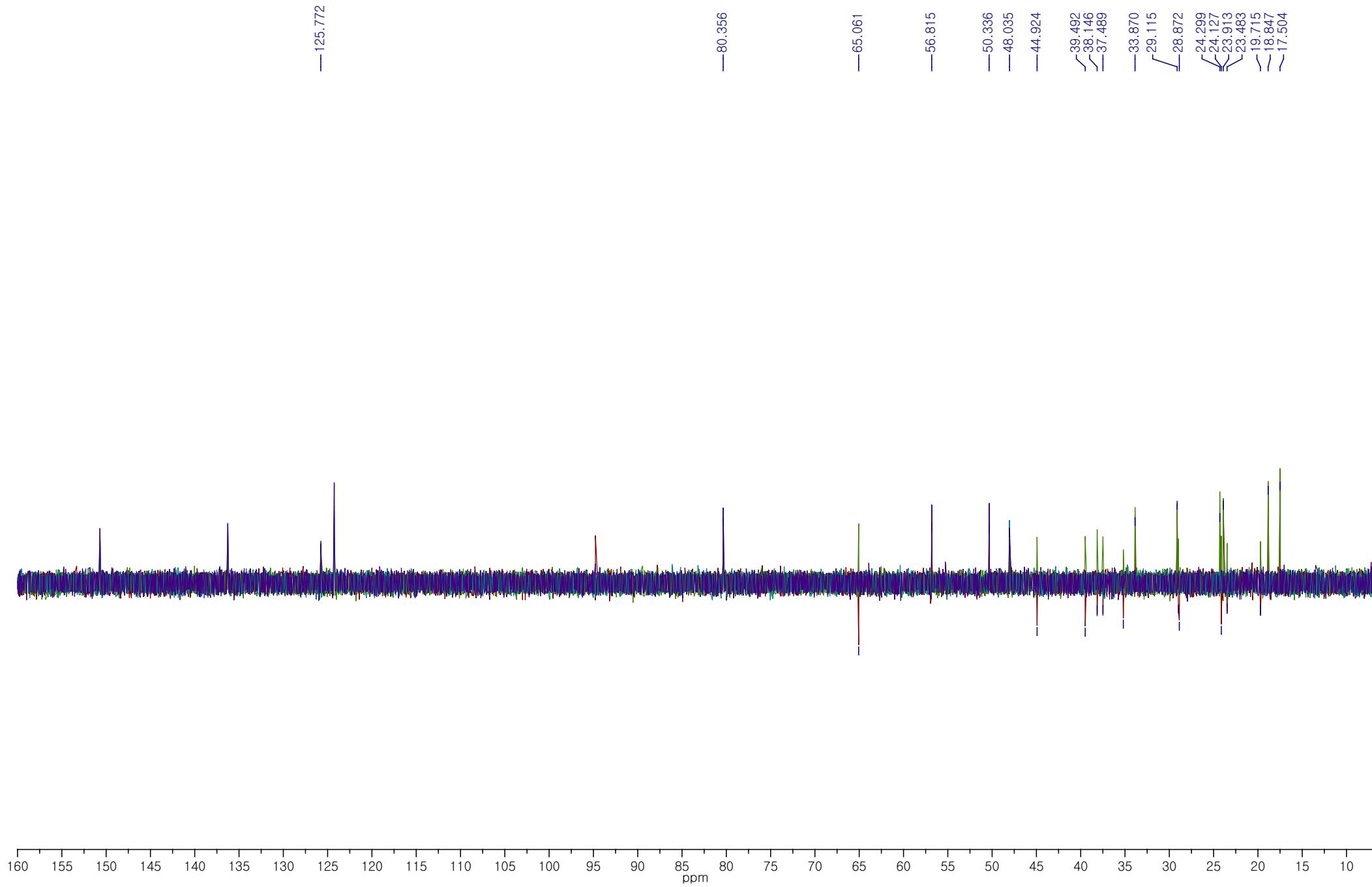


Figure S4. HMQC spectrum of 1 ( $C_5D_5N$ )

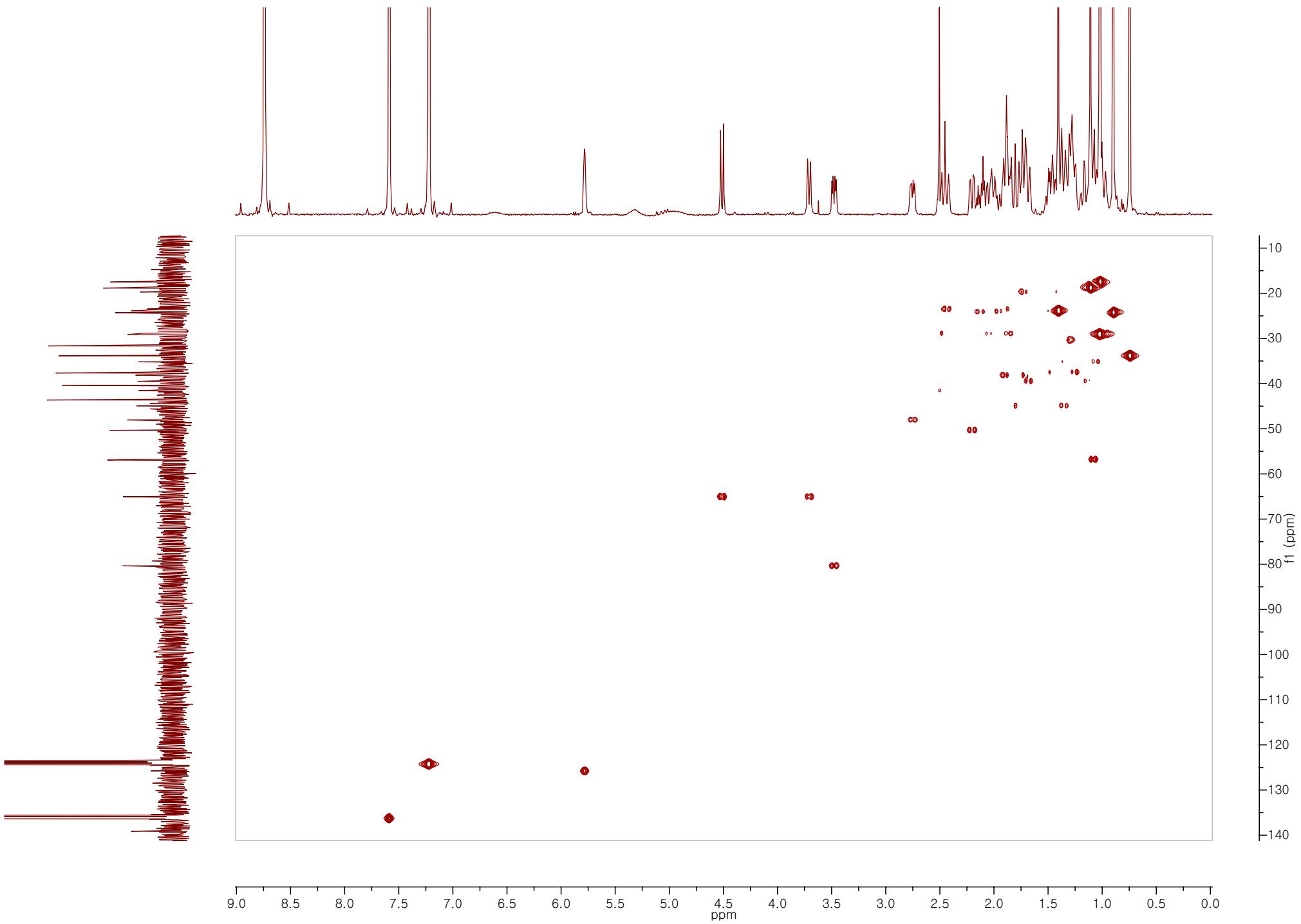


Figure S5. HMBC spectrum of 1 ( $C_5D_5N$ )

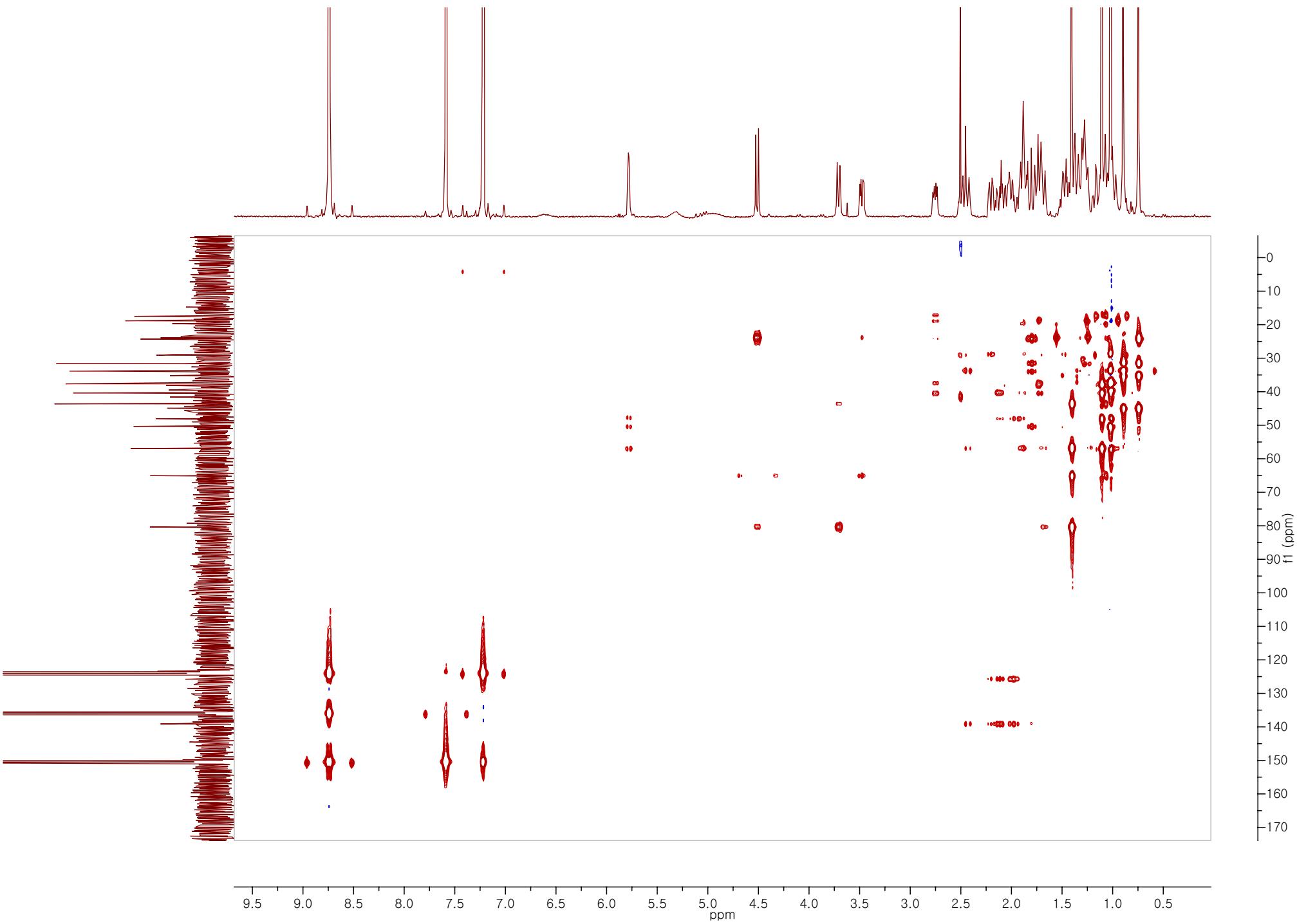


Figure S6. NOESY spectrum of 1 ( $C_5D_5N$ )

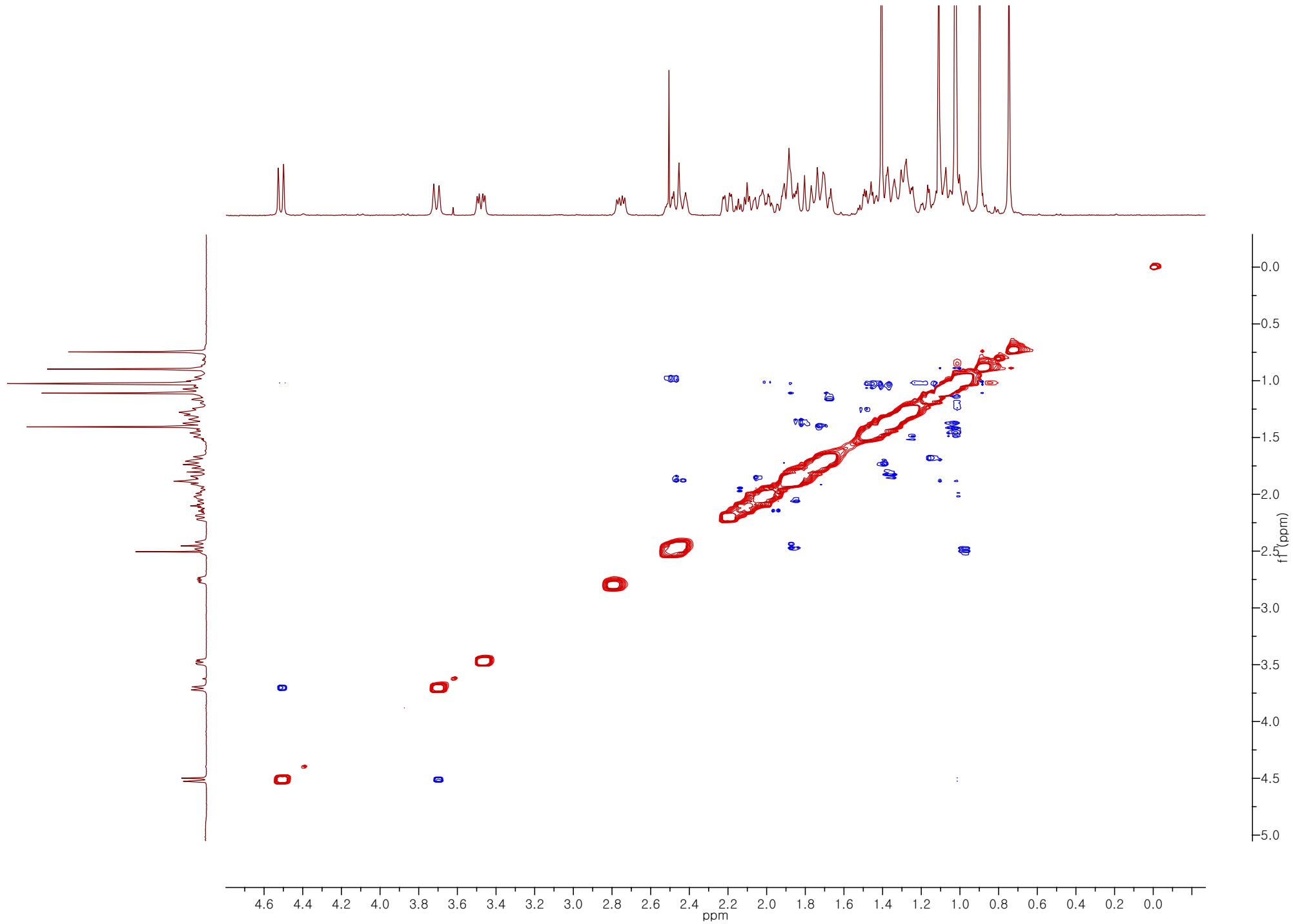


Figure S7.  $^1\text{H}$  NMR spectrum of 2 (400 MHz,  $\text{CD}_3\text{OD}$ )

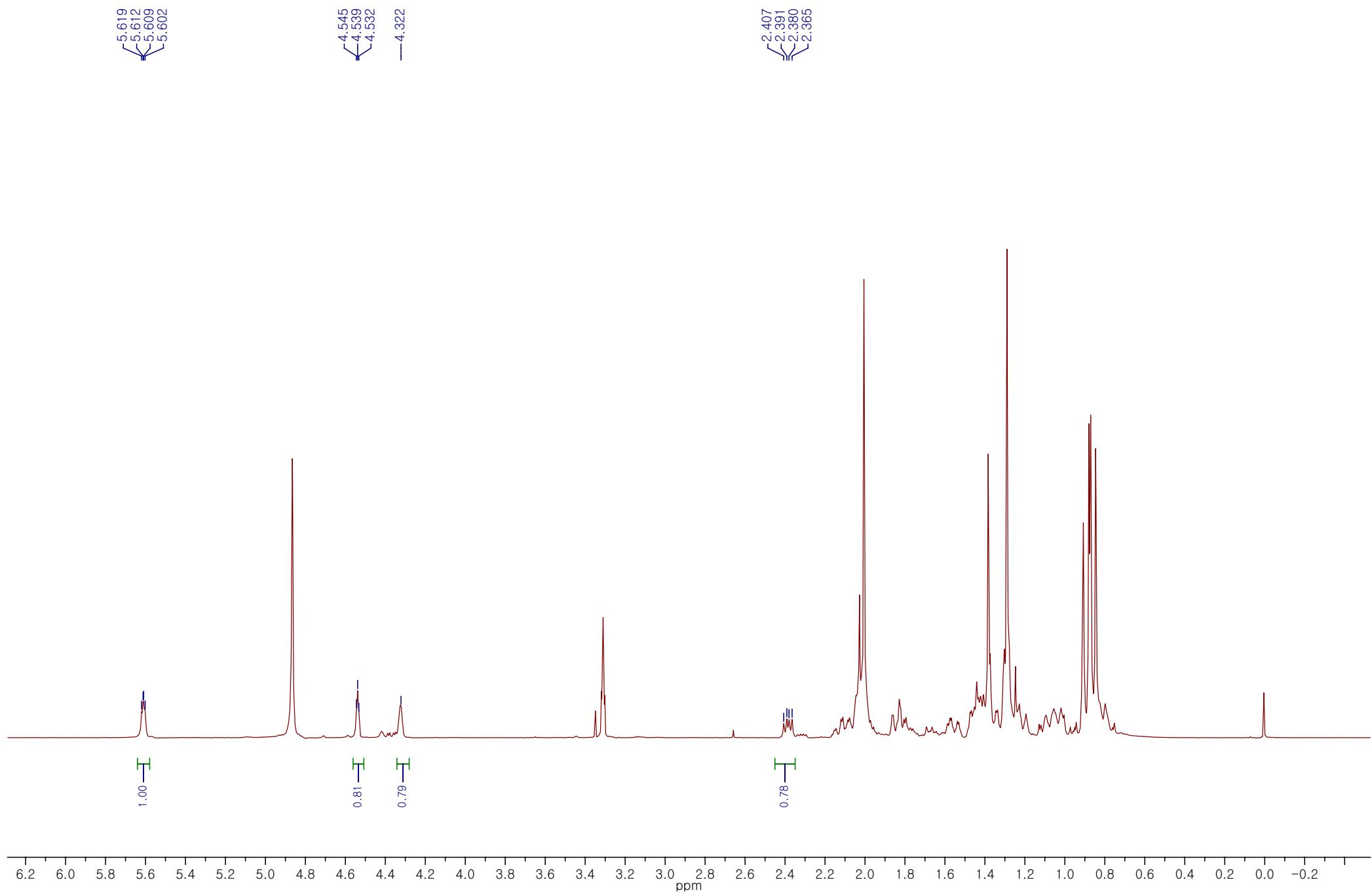


Figure S8.  $^{13}\text{C}$  NMR spectrum of 2 (100 MHz,  $\text{CD}_3\text{OD}$ )

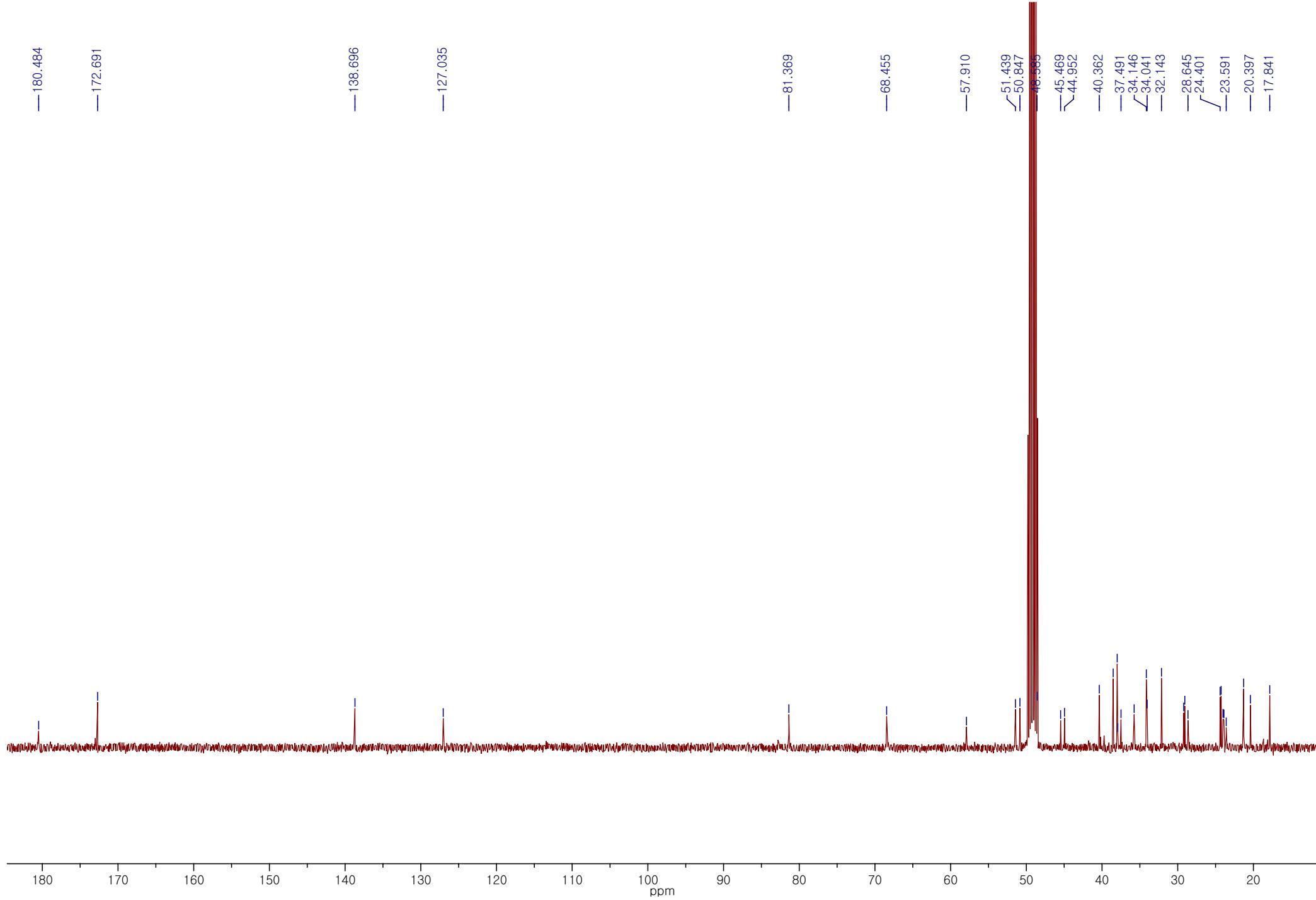


Figure S9. DEPT NMR spectrum of 2 (100 MHz, CD<sub>3</sub>OD)

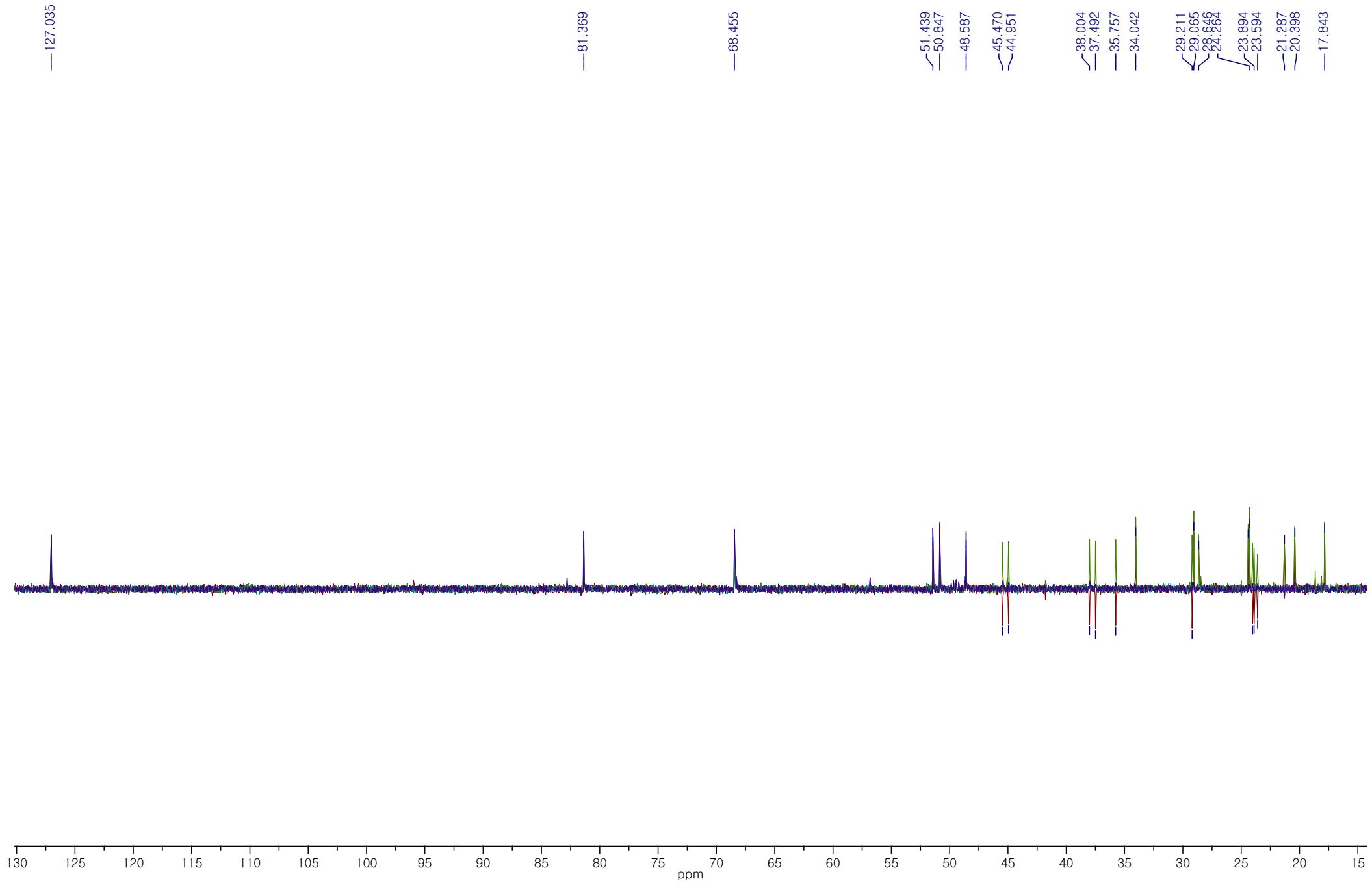


Figure S10. HMQC spectrum of 2 (CD<sub>3</sub>OD)

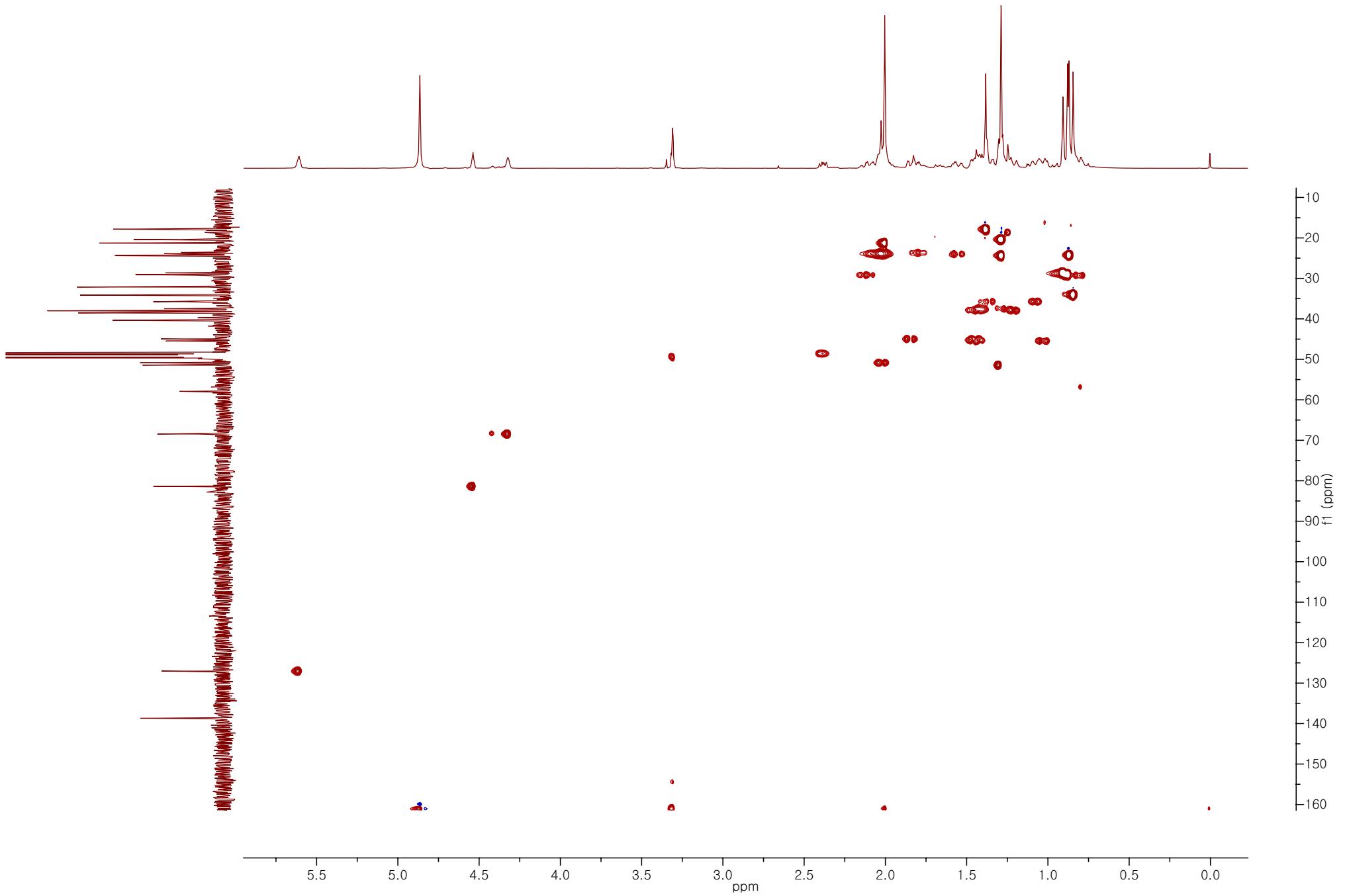


Figure S11. HMBC spectrum of 2 ( $\text{CD}_3\text{OD}$ )

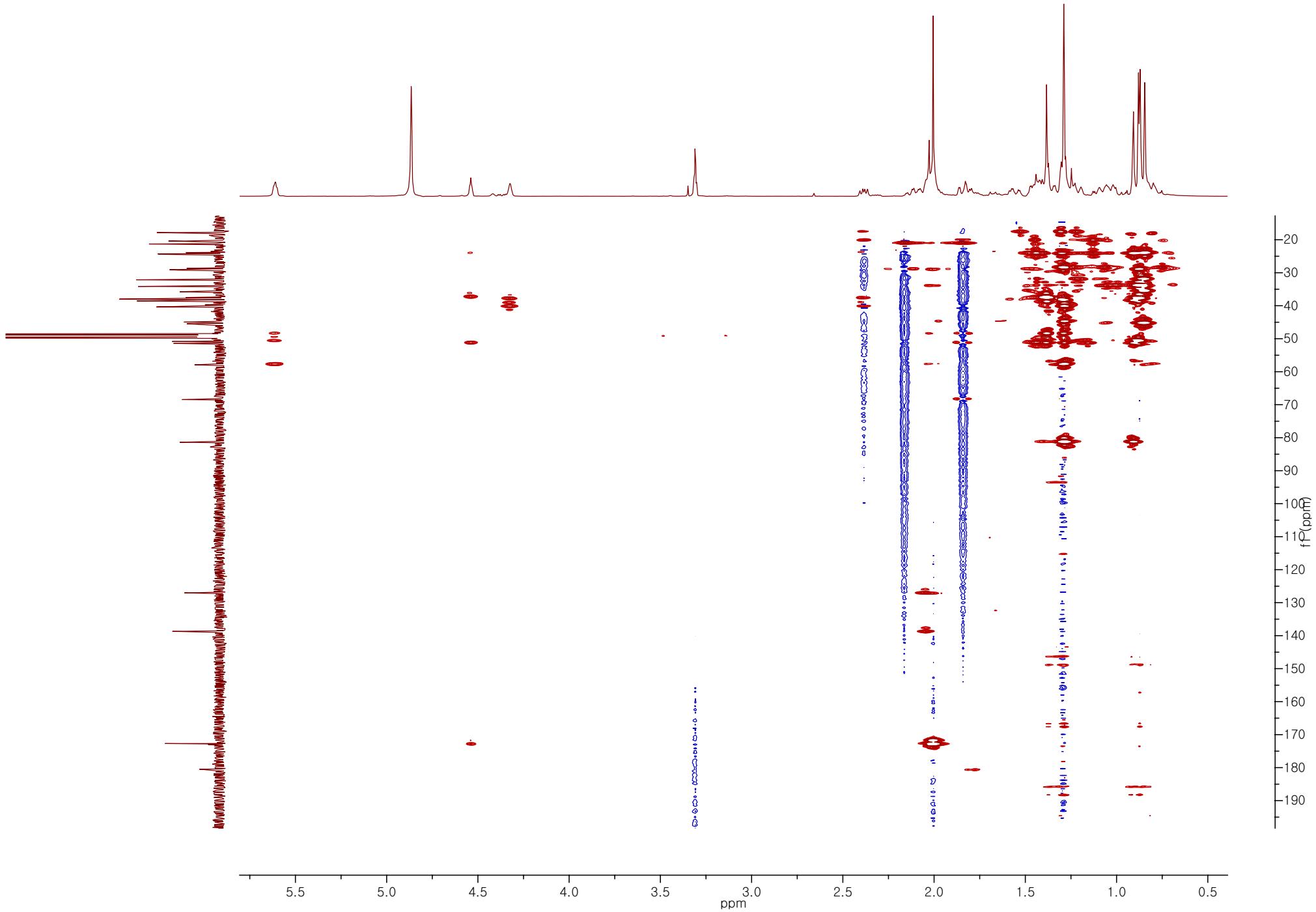


Figure S12.  $^1\text{H}$  NMR spectra of 3 (400 MHz,  $\text{C}_5\text{D}_5\text{N}$ )

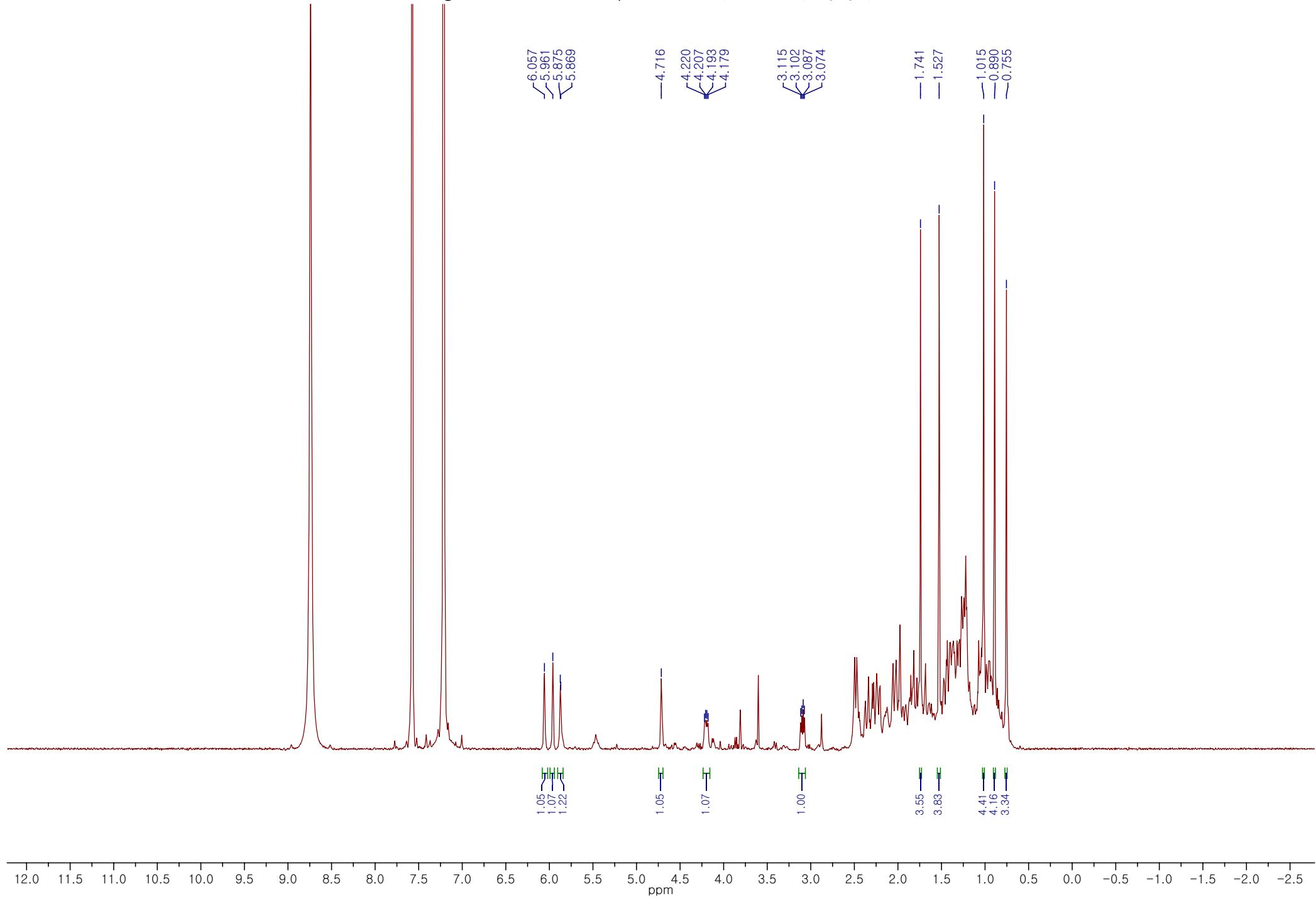


Figure S13.  $^{13}\text{C}$  NMR spectra of 3 (100 MHz,  $\text{C}_5\text{D}_5\text{N}$ )

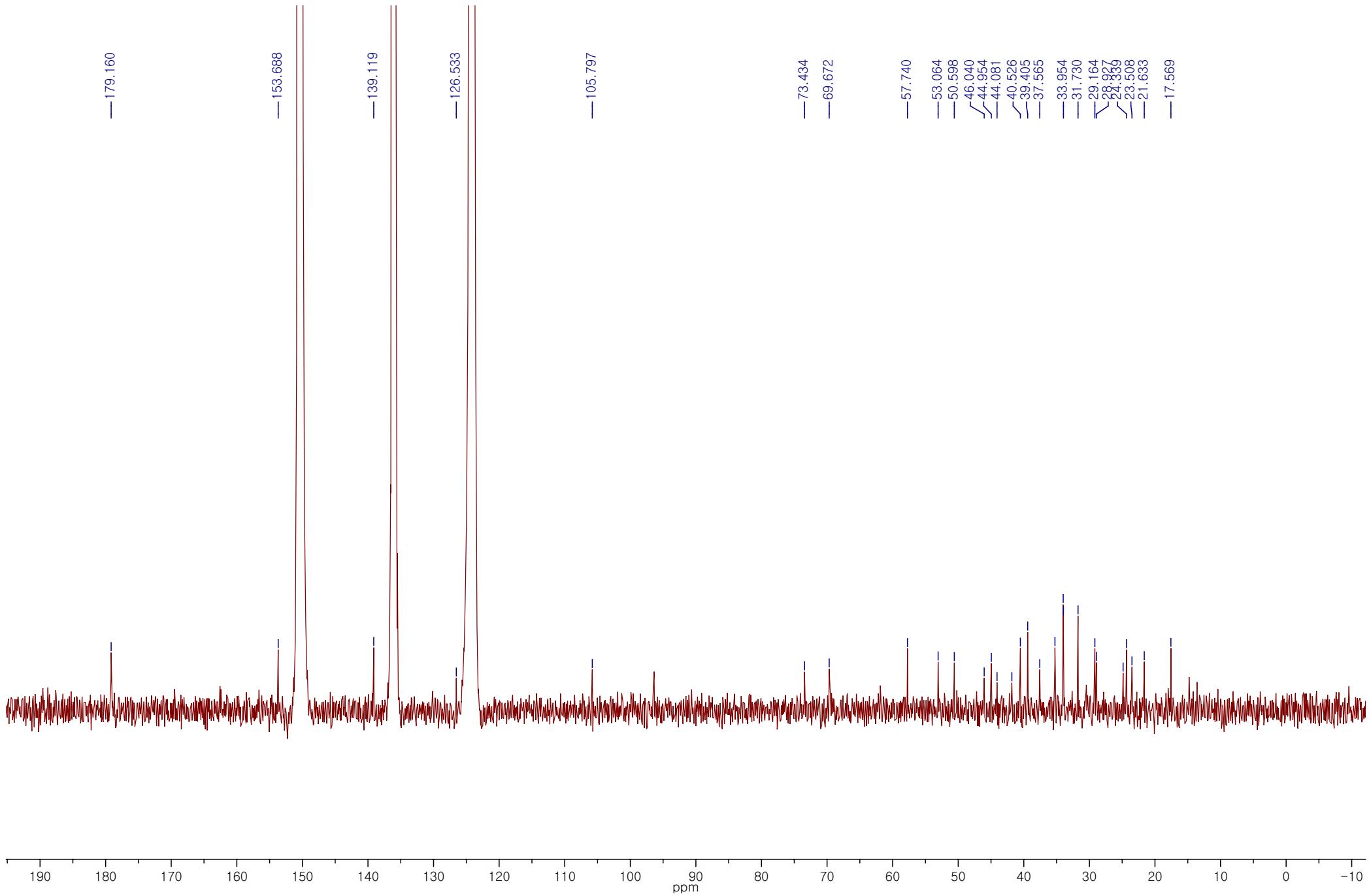


Figure S14. DEPT NMR spectra of 3 (100 MHz, C<sub>5</sub>D<sub>5</sub>N)

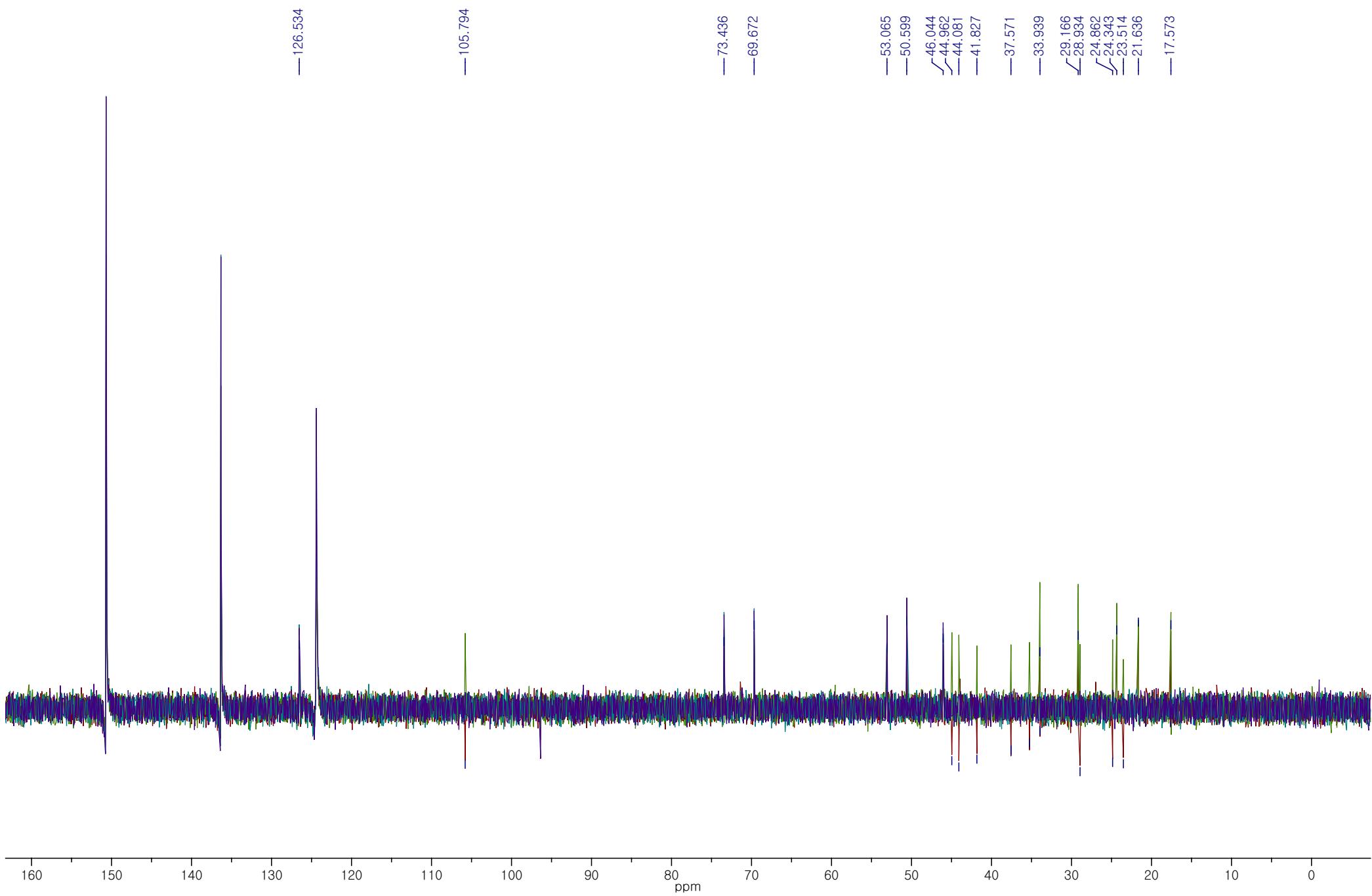


Figure S15. HMQC spectra of 3 ( $C_5D_5N$ )

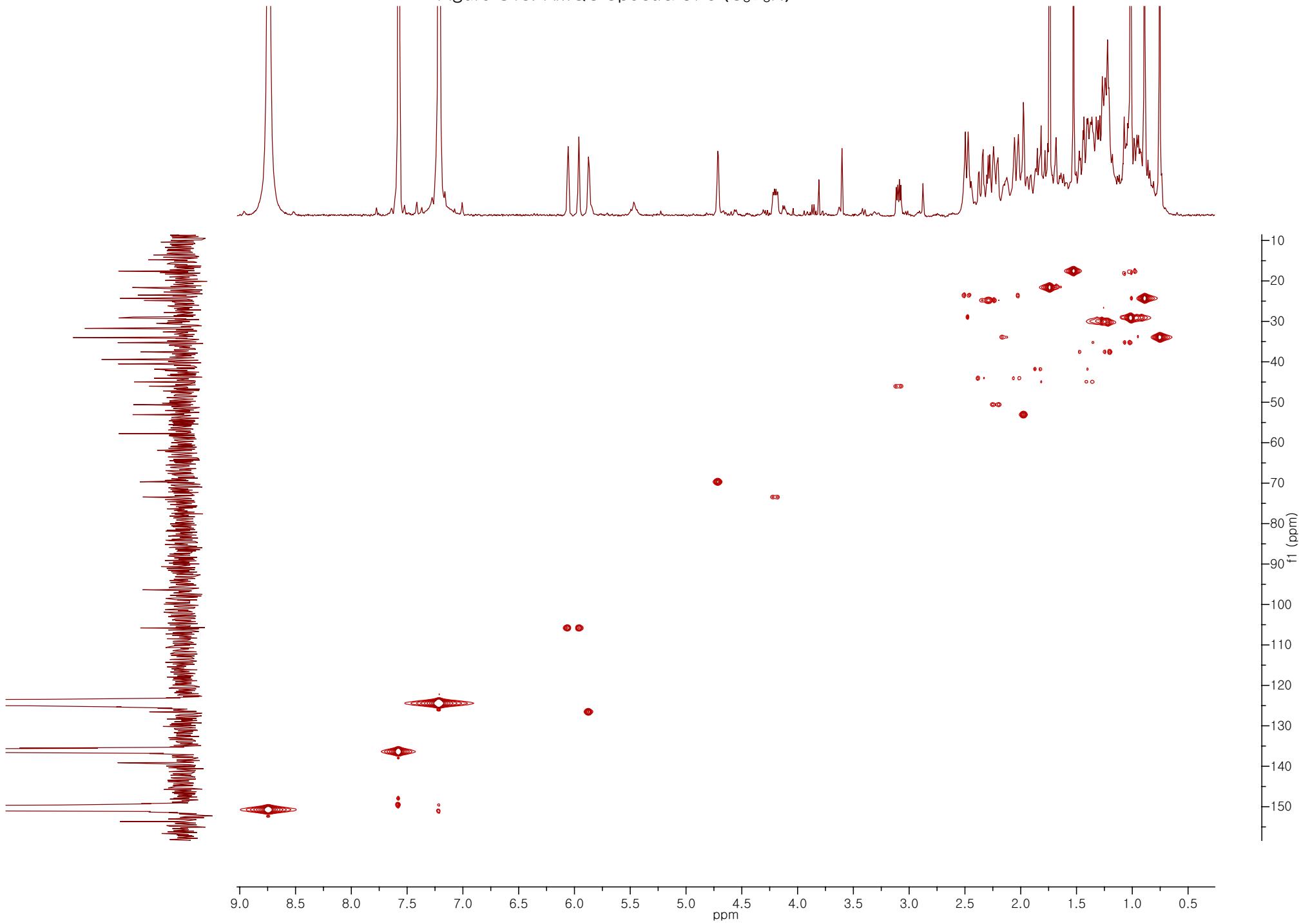


Figure S16. HMBC spectra of 3 ( $C_5D_5N$ )

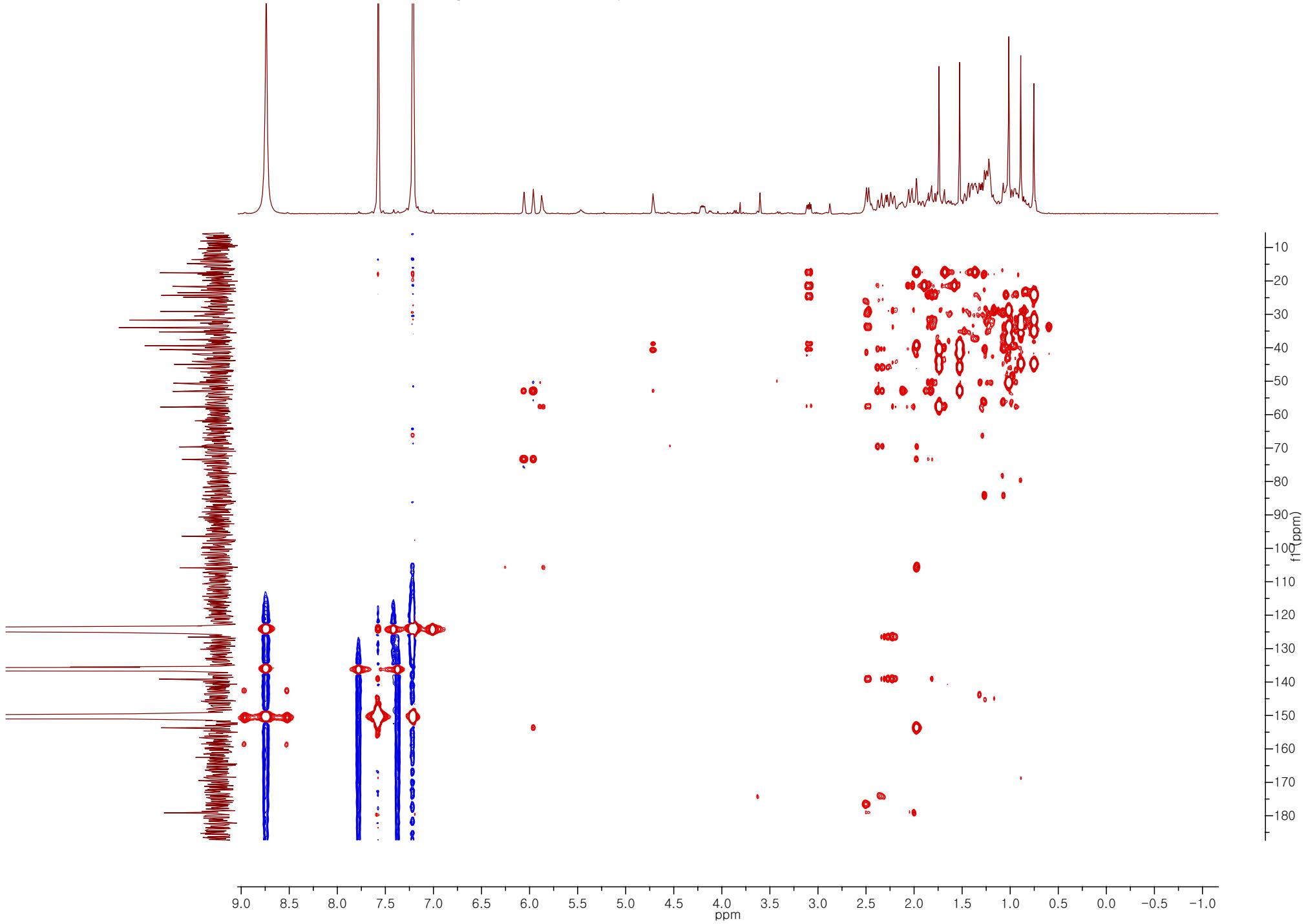


Figure S17.  $^1\text{H}$  NMR spectrum of 4 (400 MHz,  $\text{CD}_3\text{OD}$ )

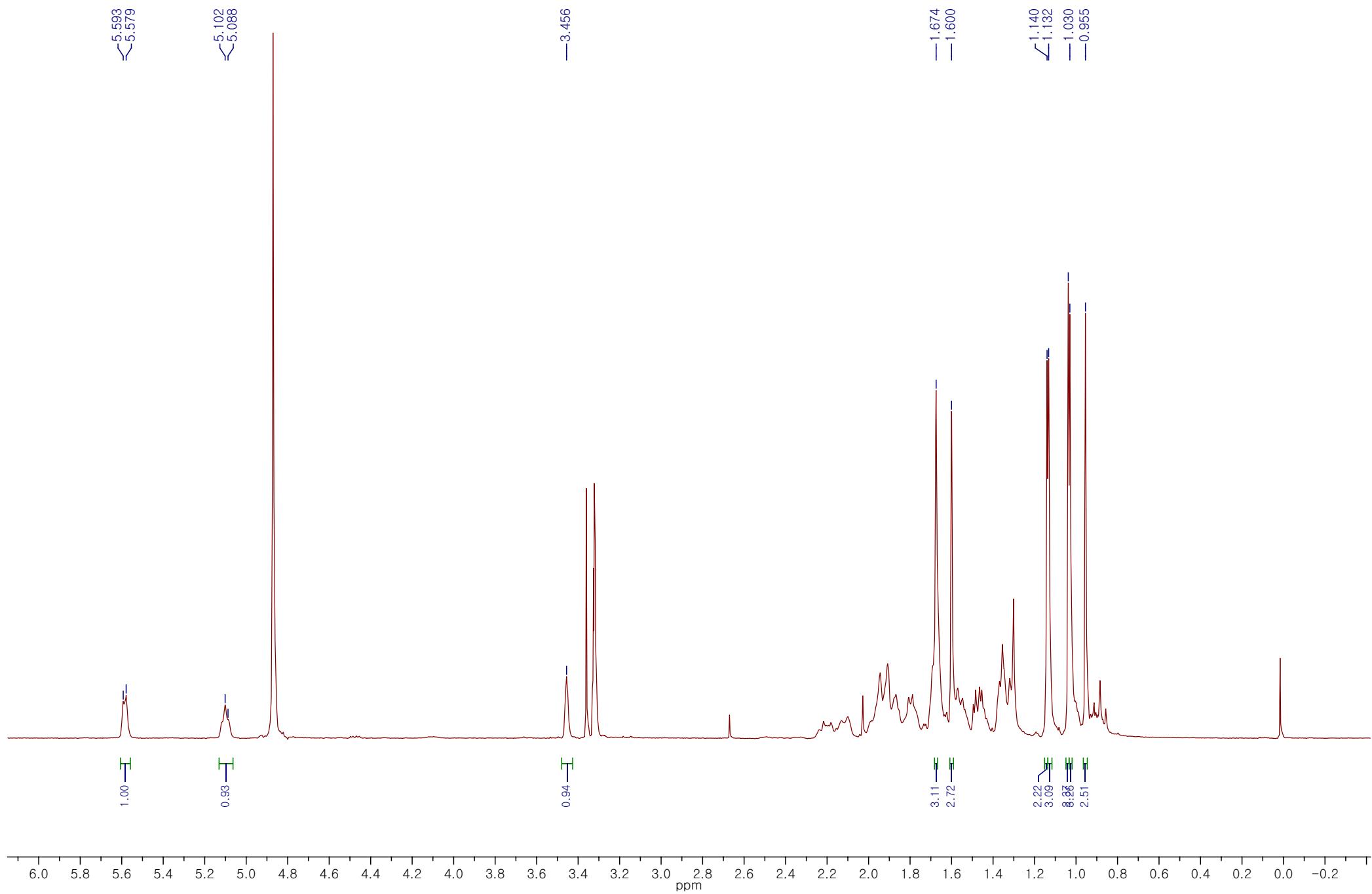


Figure S18.  $^{13}\text{C}$  NMR spectrum of 4 (100 MHz,  $\text{CD}_3\text{OD}$ )

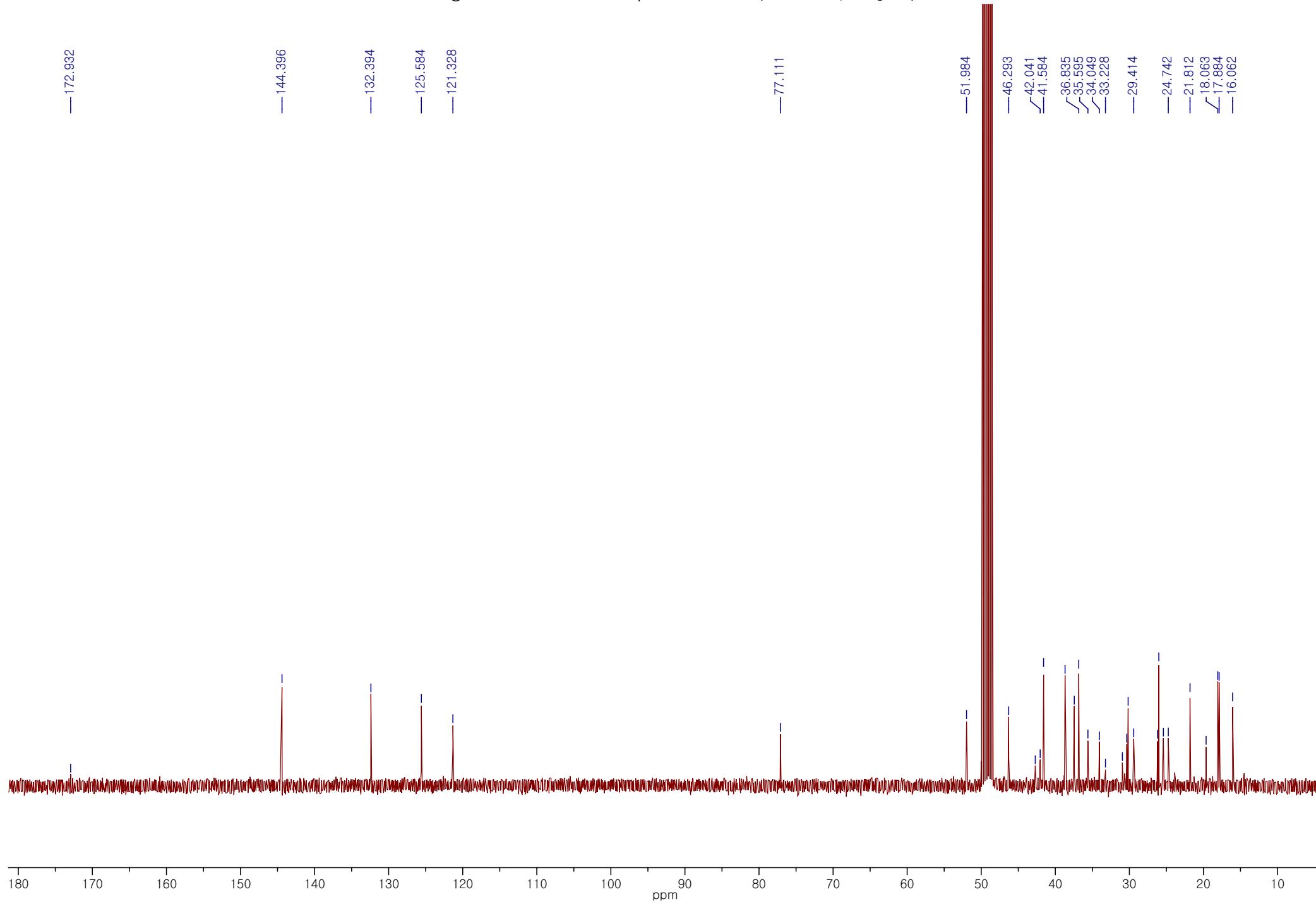


Figure S19. DEPT NMR spectrum of 4 (100 MHz, CD<sub>3</sub>OD)

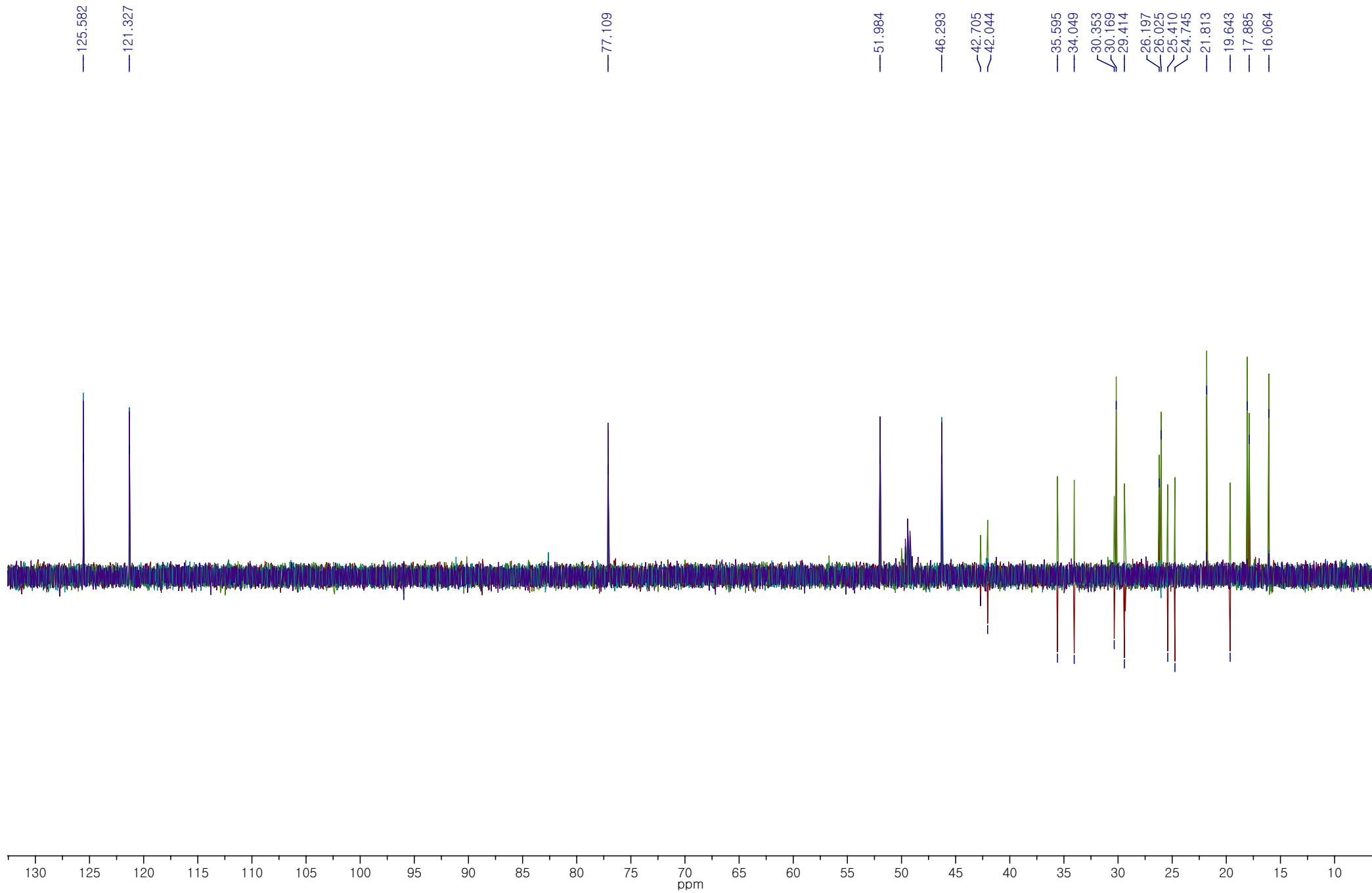


Figure S20. HMQC NMR spectrum of 4 ( $\text{CD}_3\text{OD}$ )

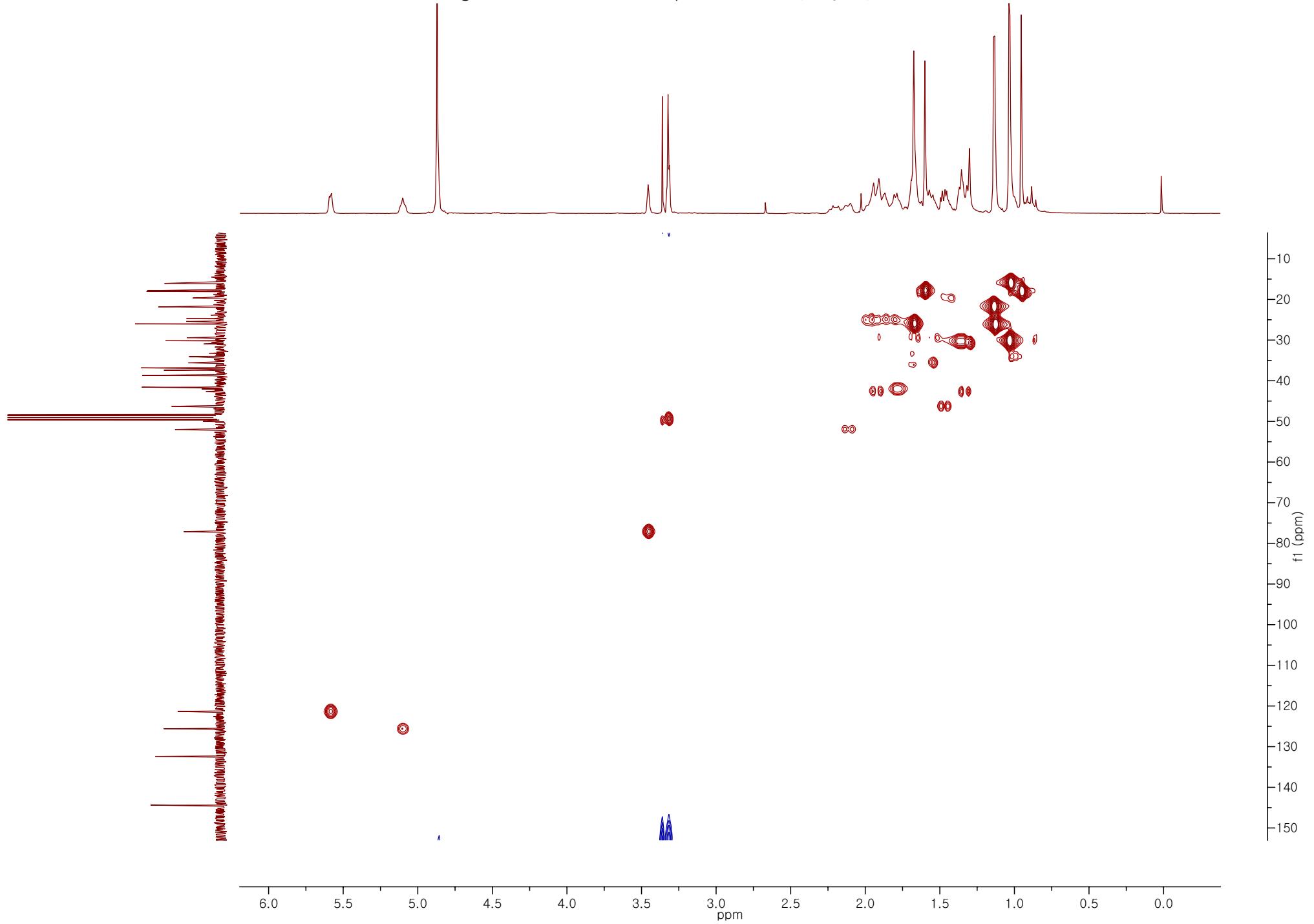


Figure S21. HMBC NMR spectrum of 4 ( $\text{CD}_3\text{OD}$ )

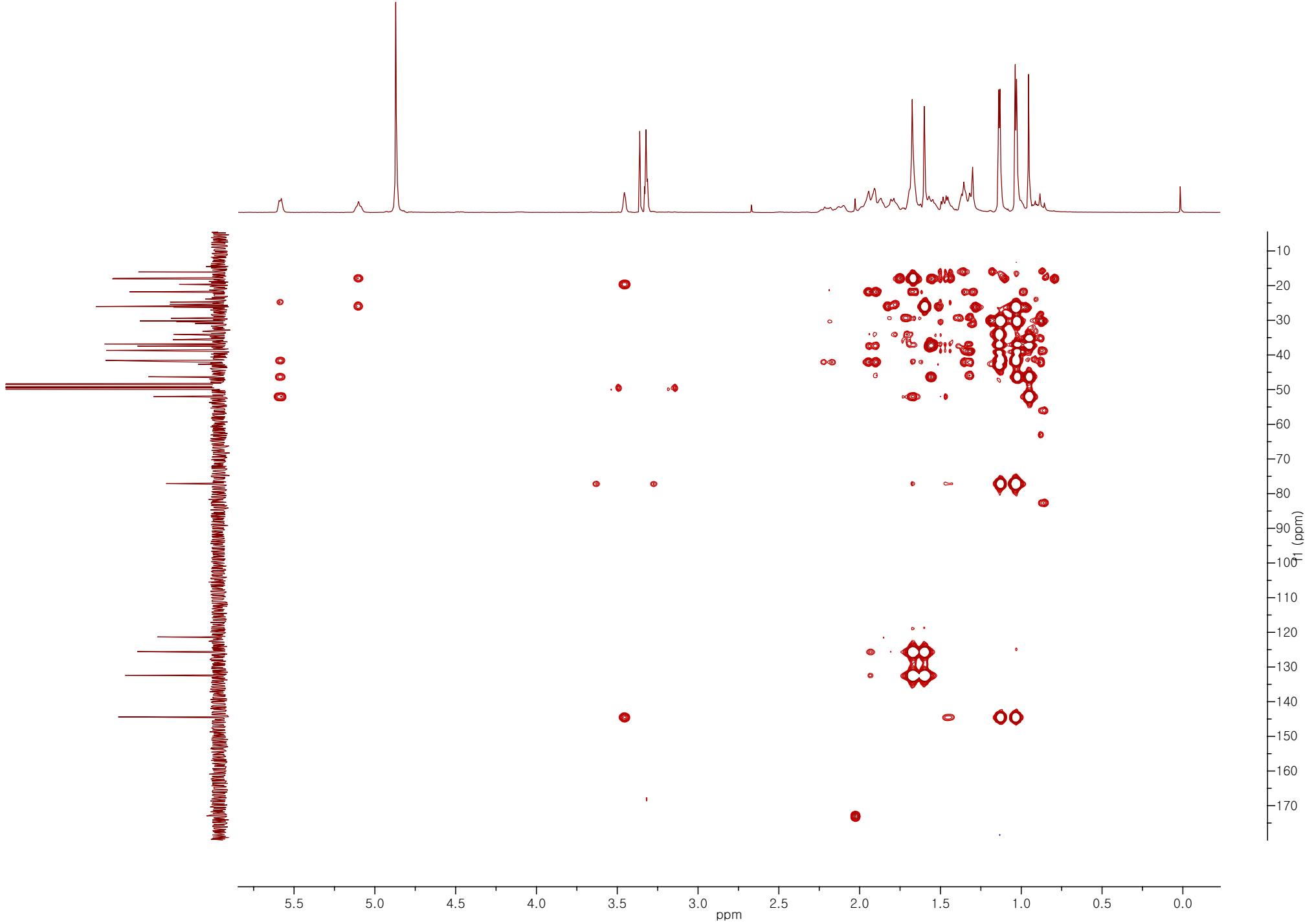


Figure S22.  $^1\text{H}$  NMR spectra of 5 (400 MHz,  $\text{C}_5\text{D}_5\text{N}$ )

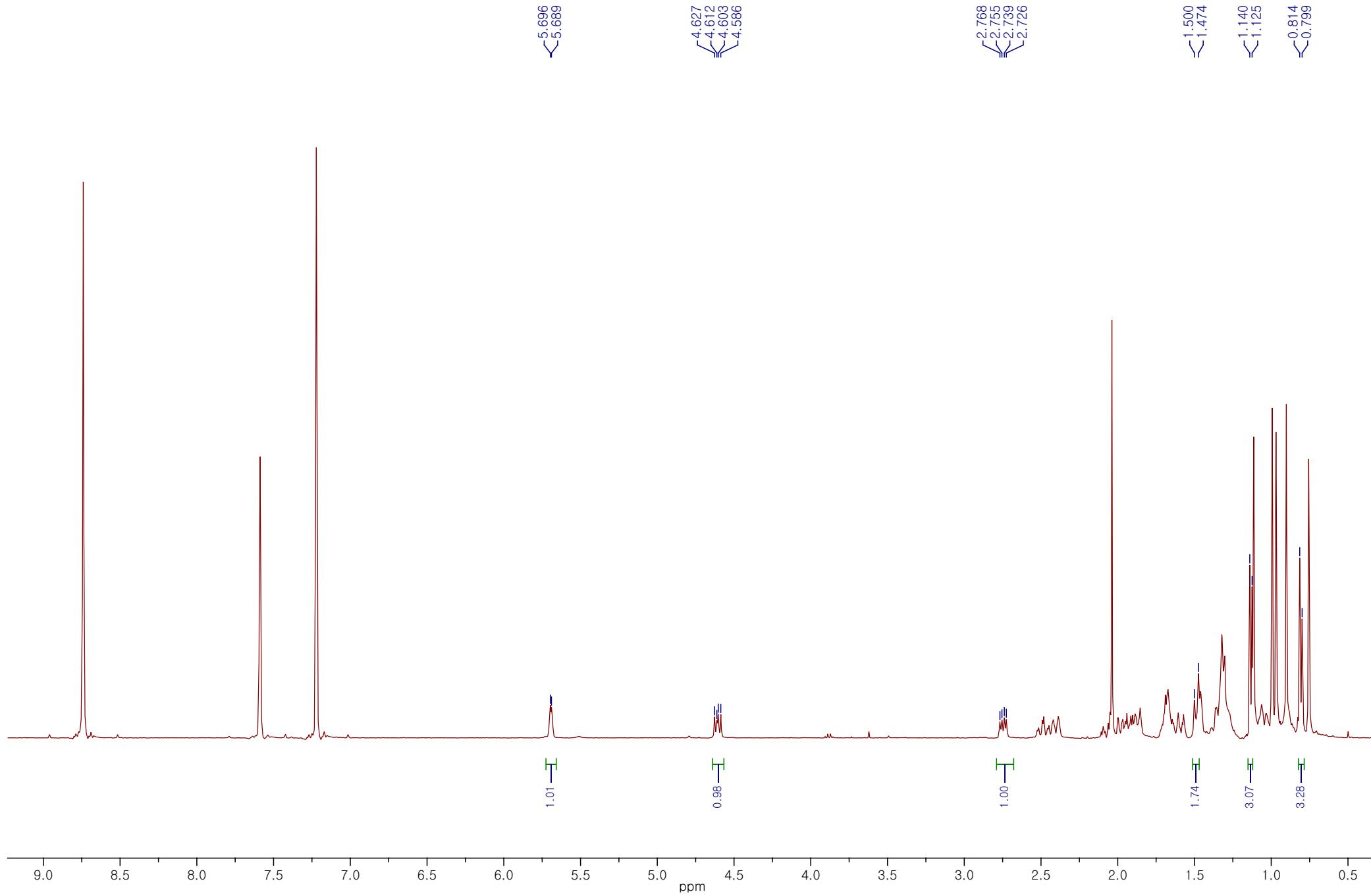


Figure S23.  $^{13}\text{C}$  NMR spectra of 5 (100 MHz,  $\text{C}_5\text{D}_5\text{N}$ )

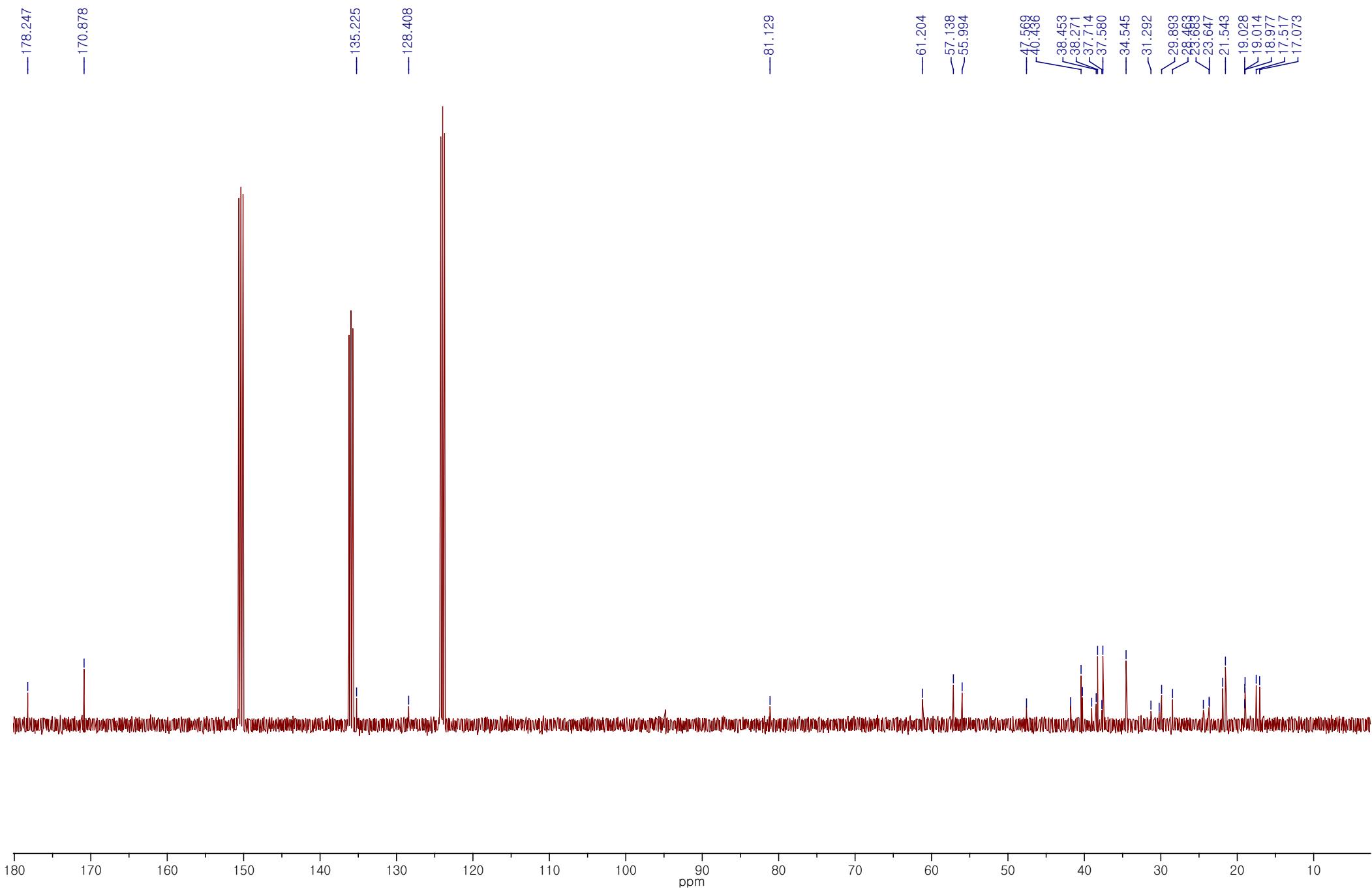


Figure S24. DEPT NMR spectra of 5 (100 MHz, C<sub>5</sub>D<sub>5</sub>N)

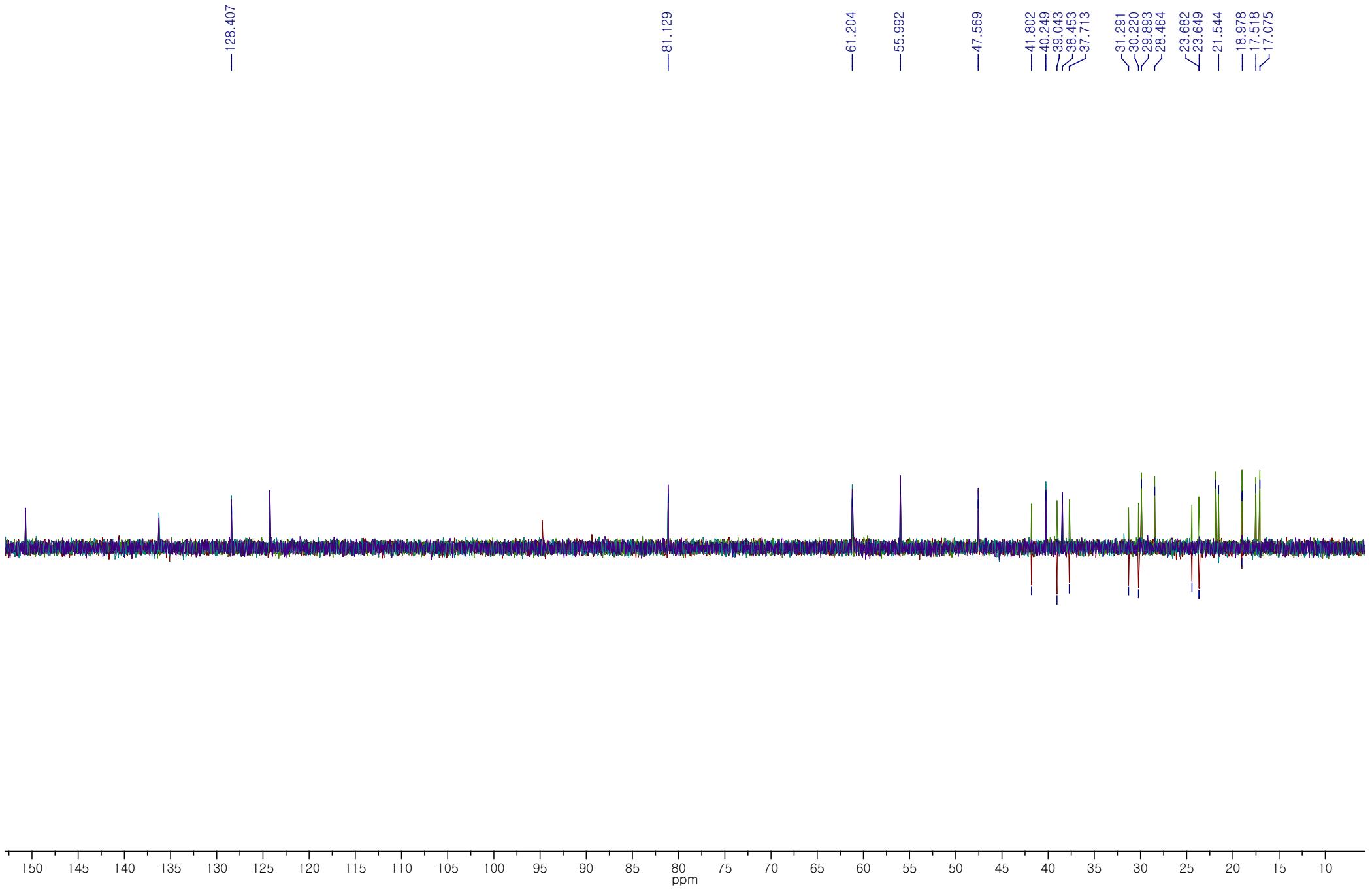


Figure S25. HMQC NMR spectra of 5 ( $C_5D_5N$ )

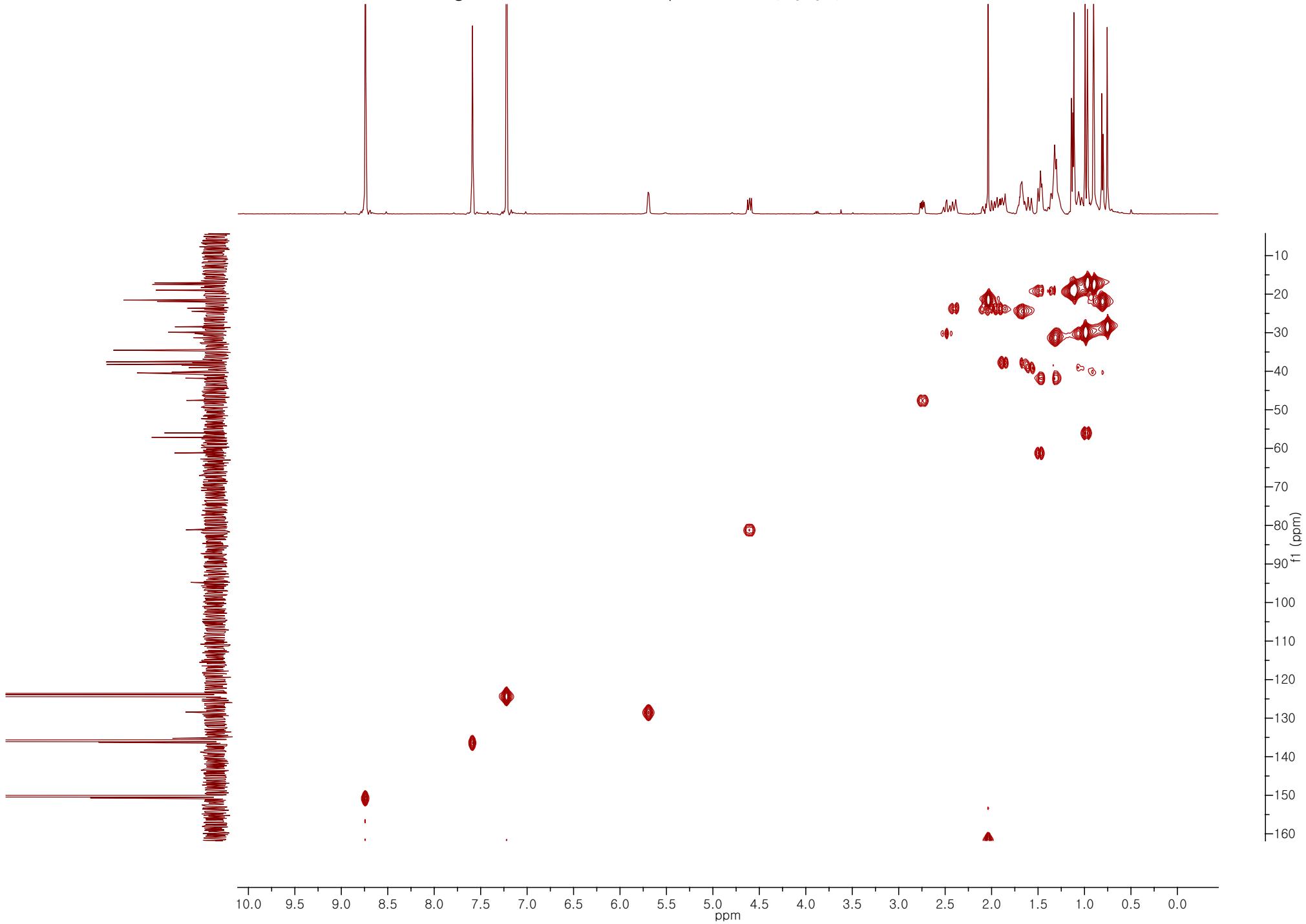


Figure S26. HMBC NMR spectra of 5 ( $C_5D_5N$ )

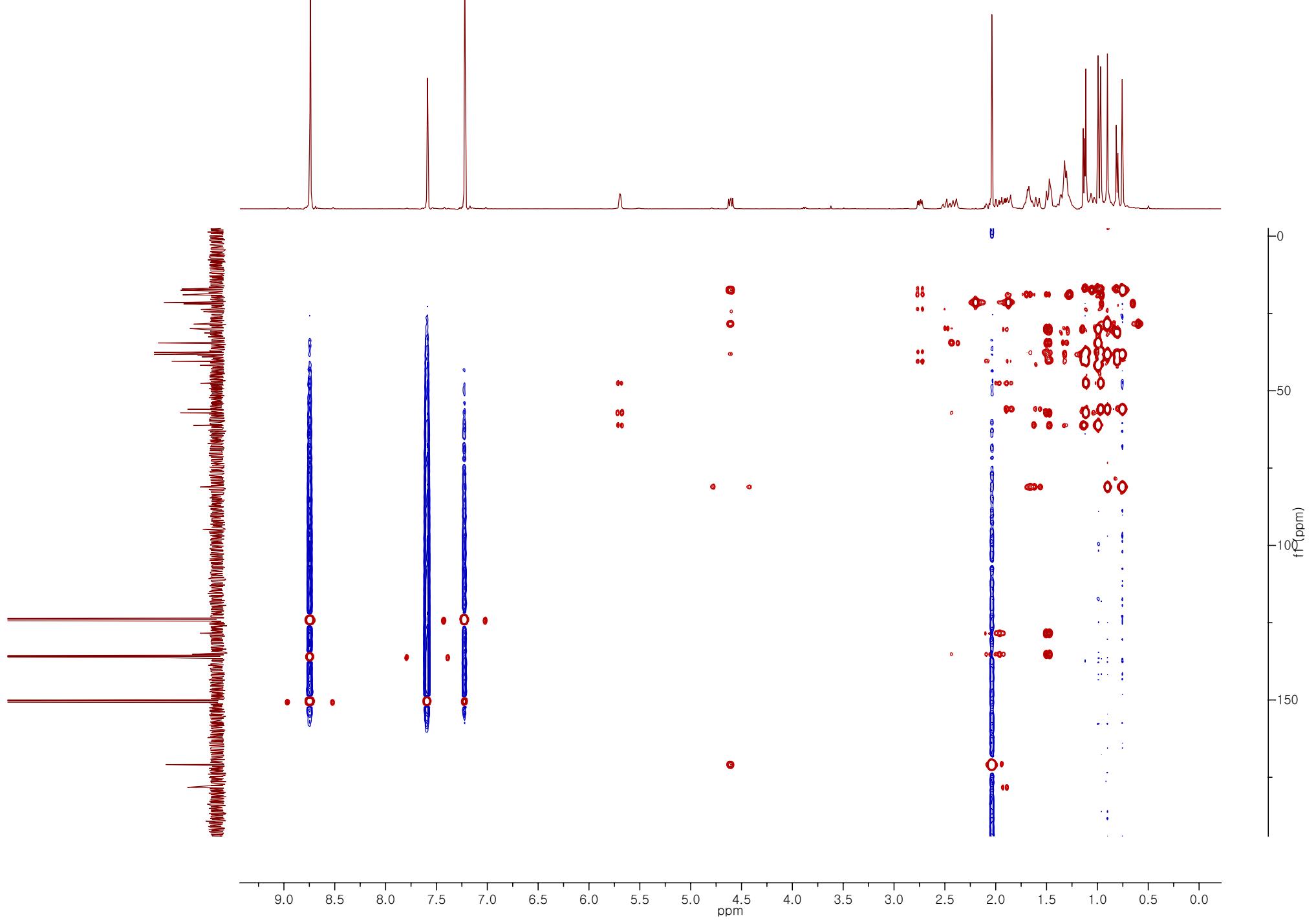


Figure S27.  $^1\text{H}$  NMR spectra of 6 (400 MHz,  $\text{C}_5\text{D}_5\text{N}$ )

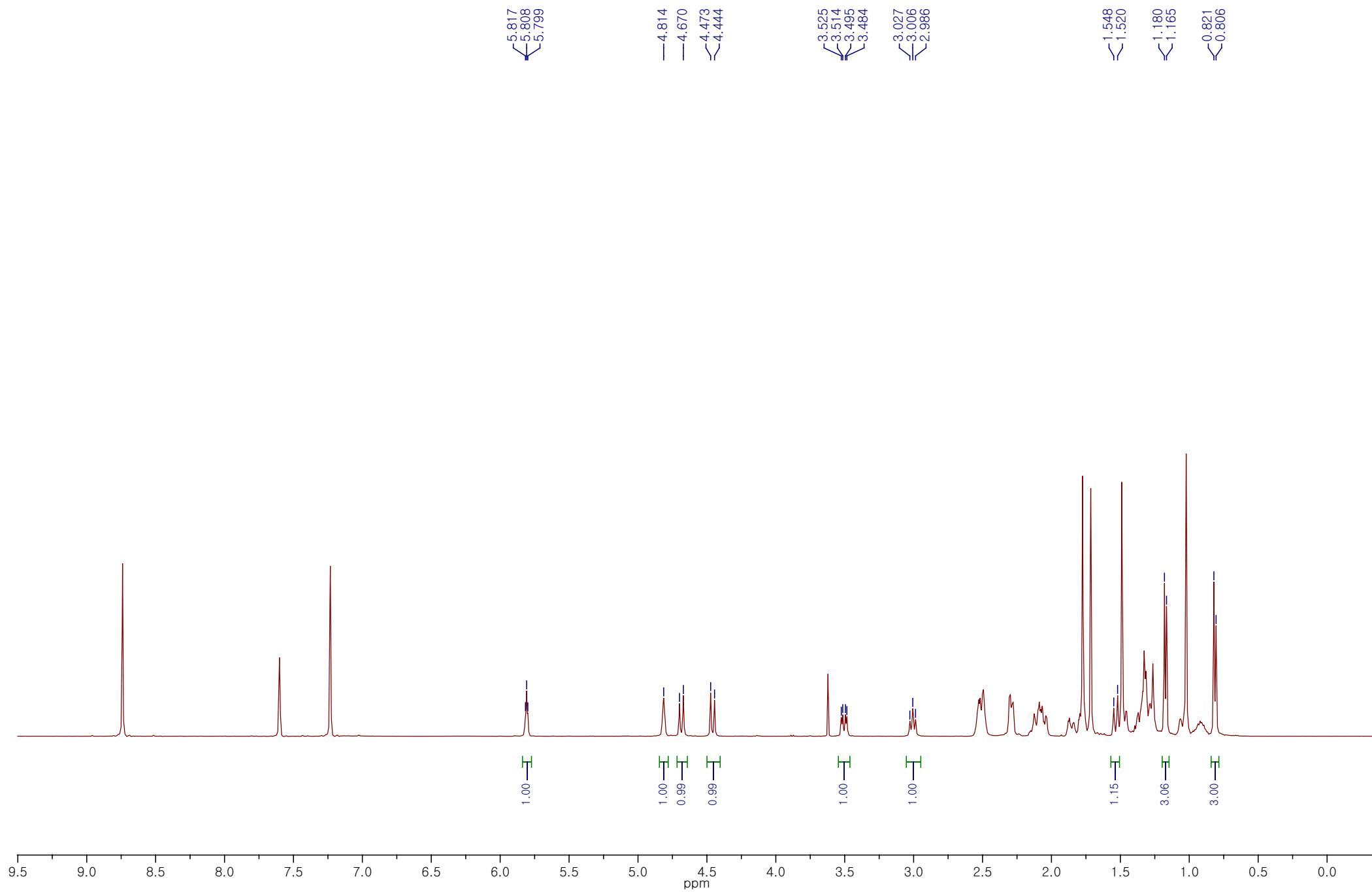


Figure S28.  $^{13}\text{C}$  NMR spectra of 6 (100 MHz,  $\text{C}_5\text{D}_5\text{N}$ )

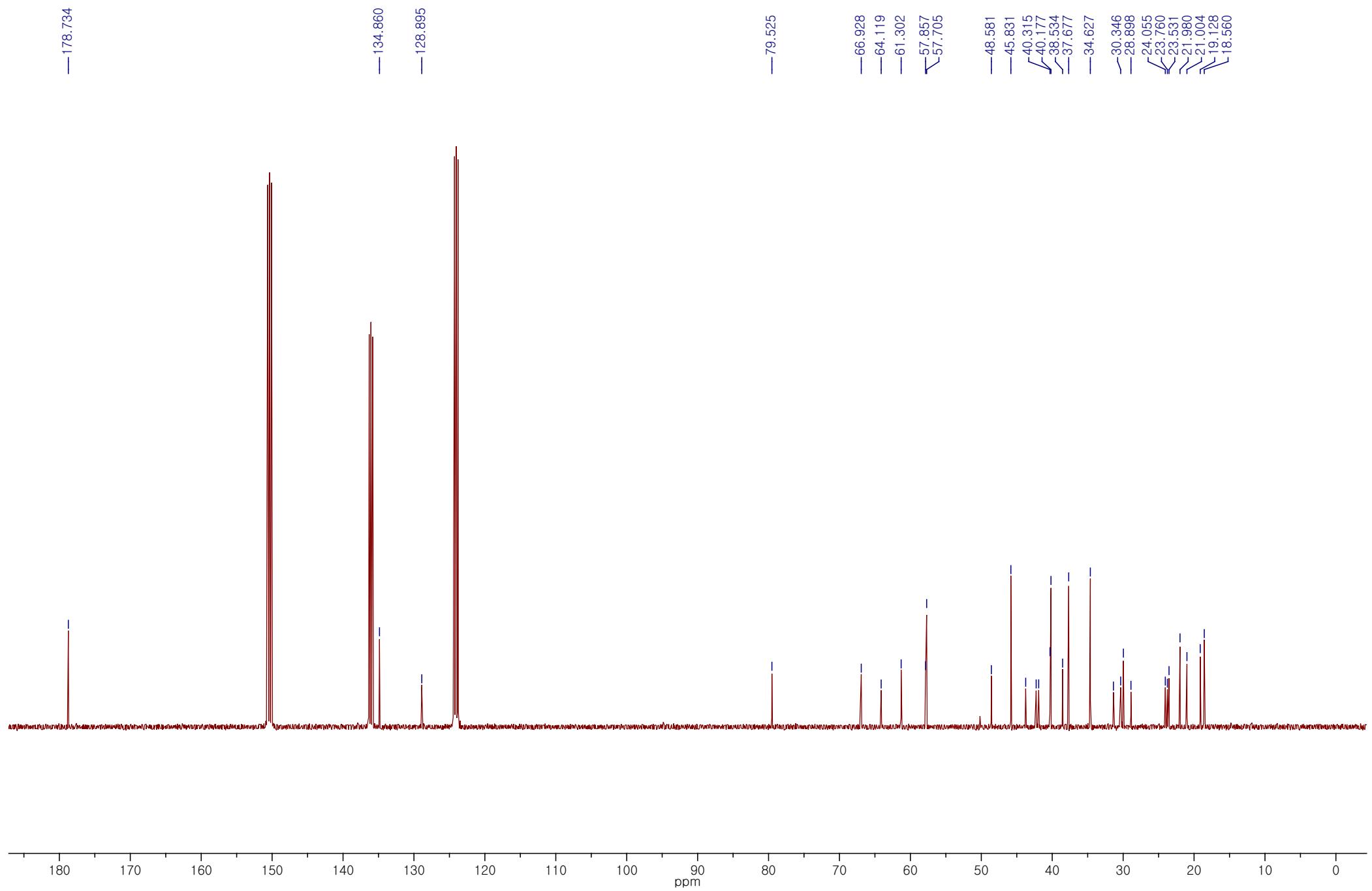


Figure S29. DEPT NMR spectra of 6 (100 MHz, C<sub>5</sub>D<sub>5</sub>N)

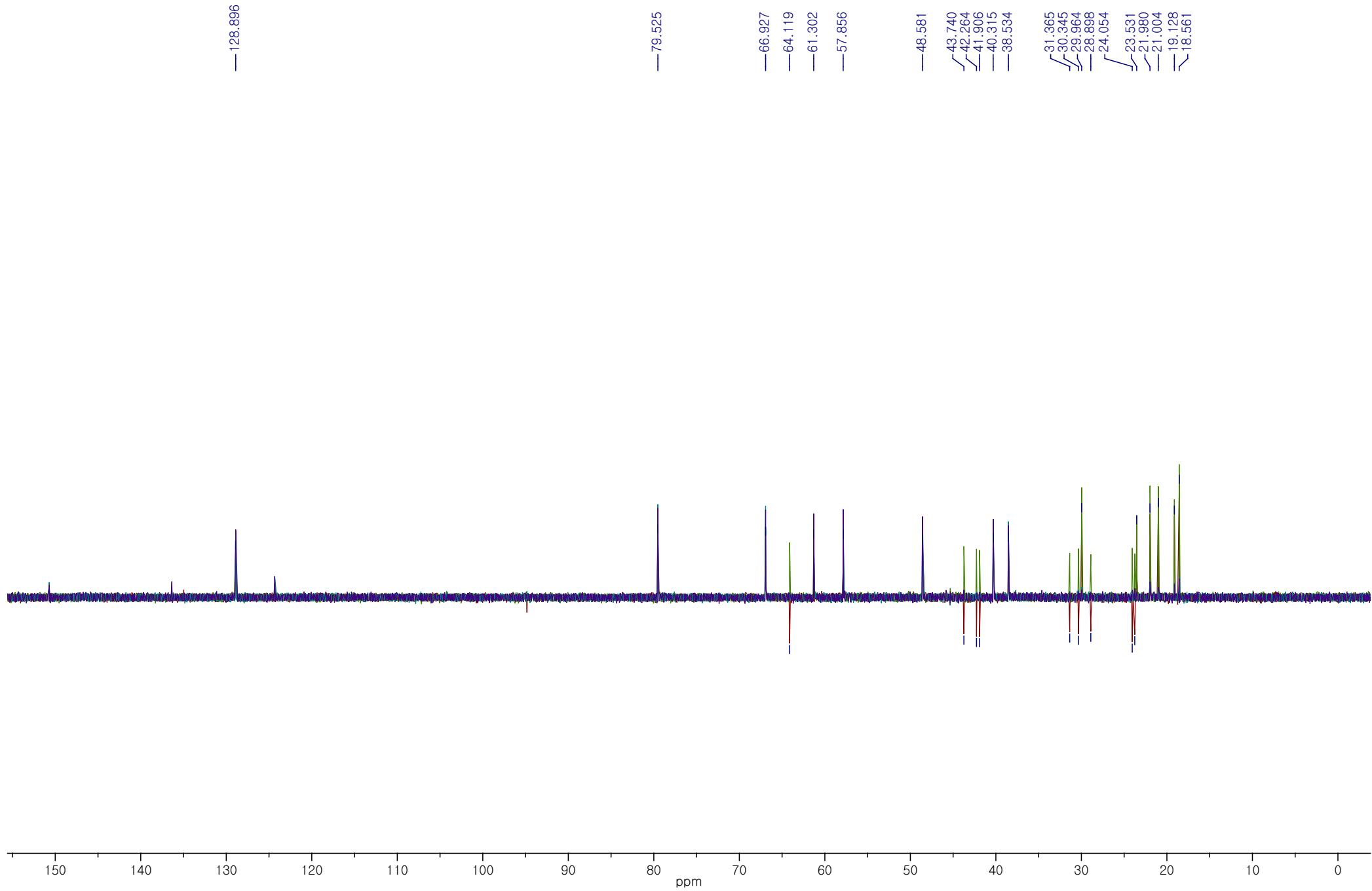


Figure S30. HMQC spectra of 6 ( $C_5D_5N$ )

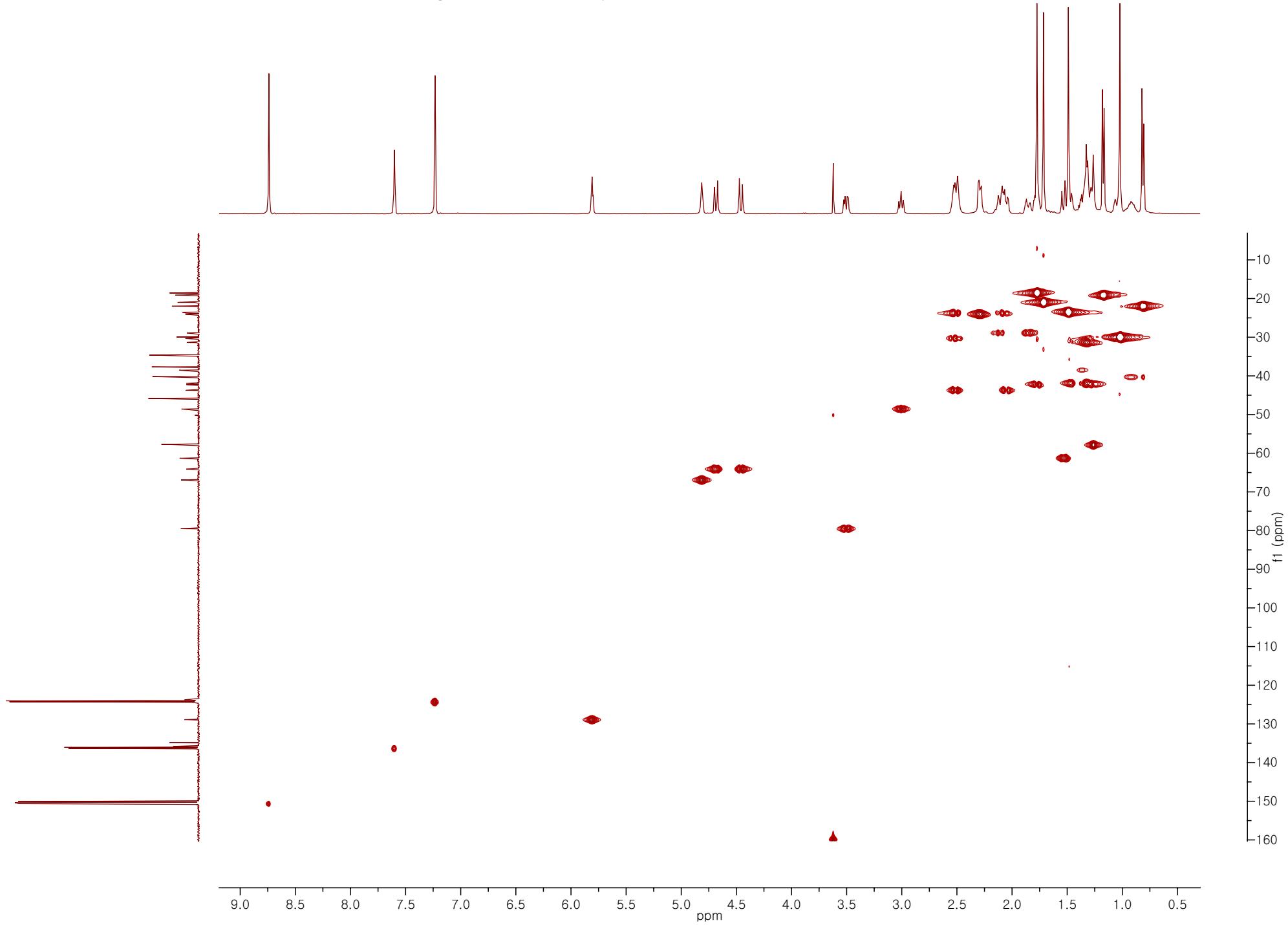


Figure S31. HMBC spectra of 6 ( $C_5D_5N$ )

