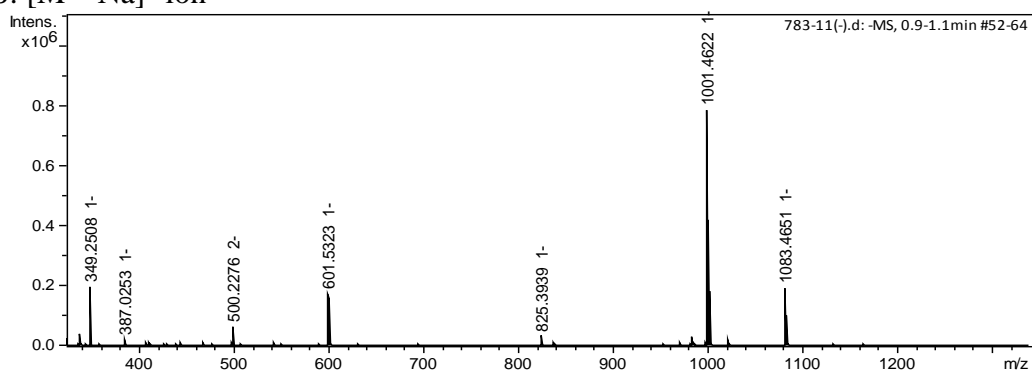
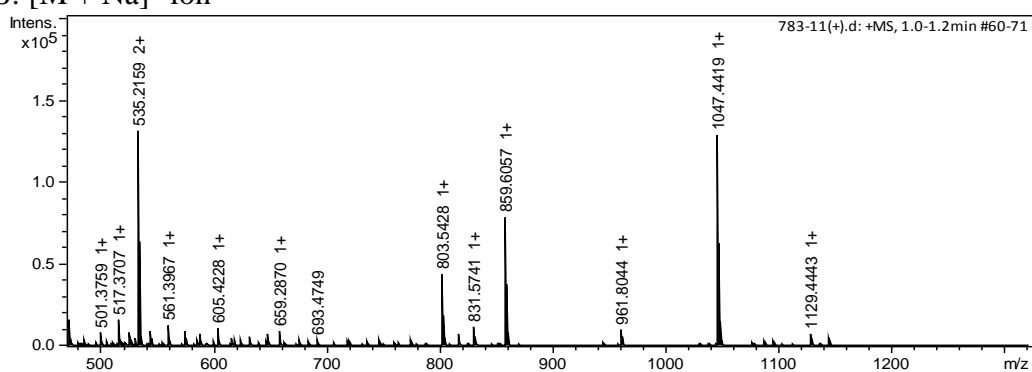


**Figure S1.** HRESIMS and HRESIMS/MS spectra of compound **1**.

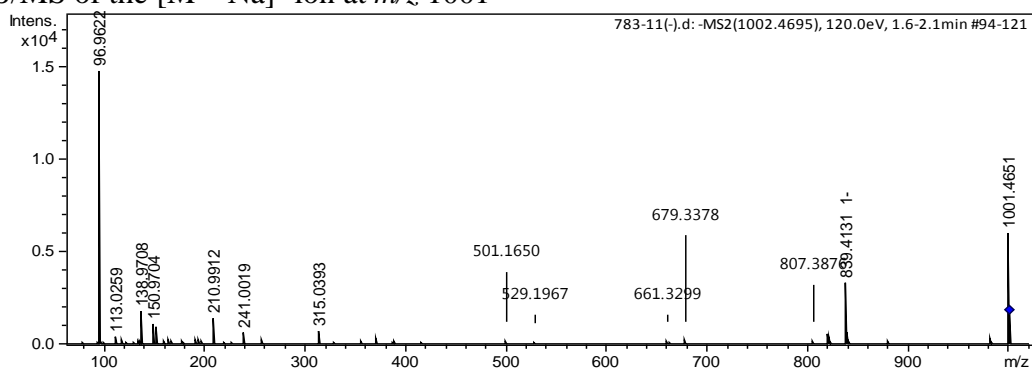
(-)HRESIMS:  $[M - Na]^-$  ion



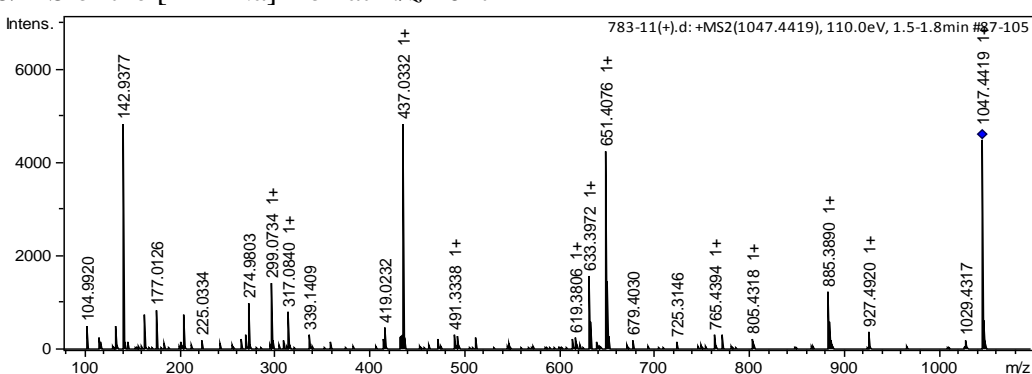
(+)HRESIMS:  $[M + Na]^+$  ion



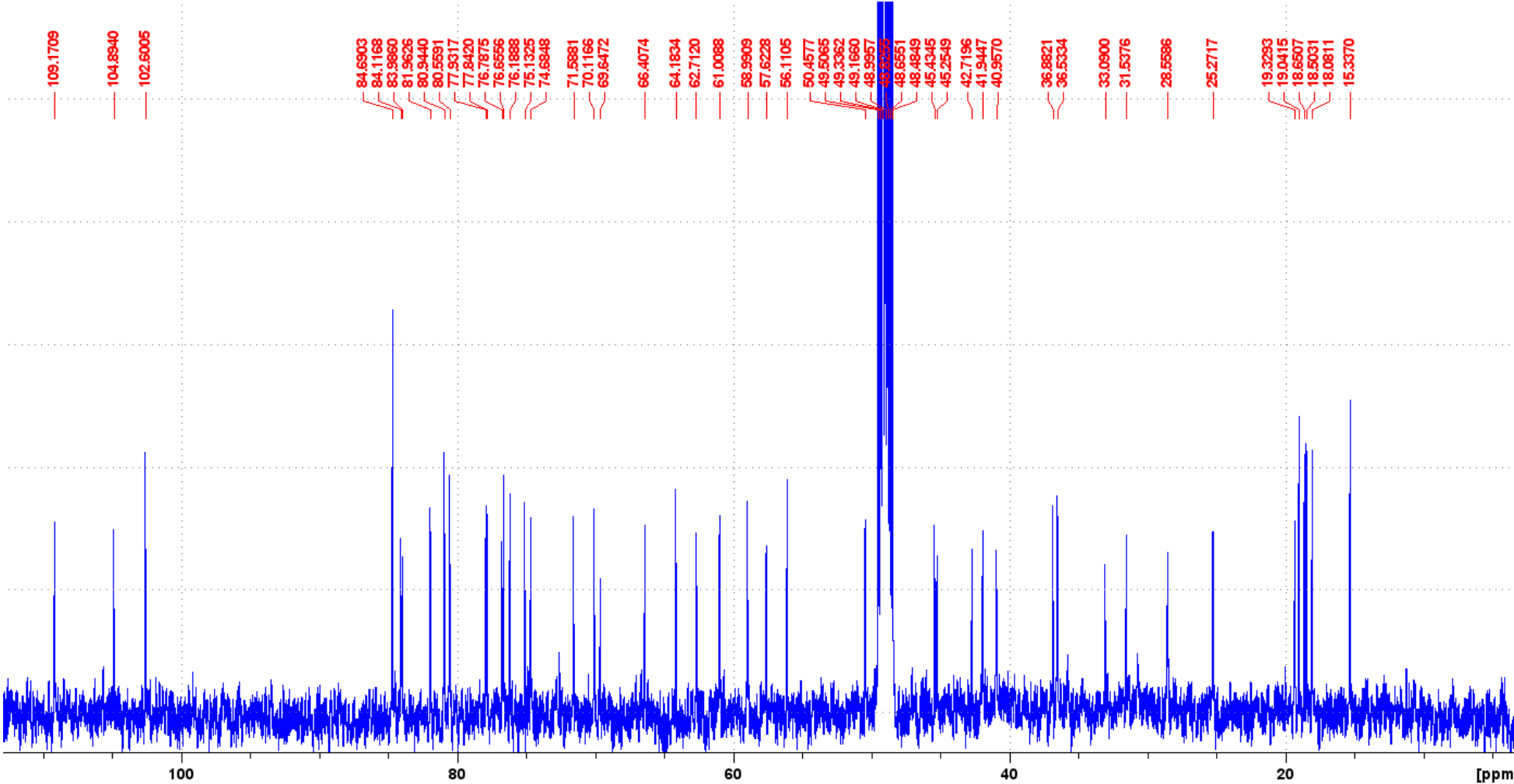
(-)HRESIMS/MS of the  $[M - Na]^-$  ion at  $m/z$  1001



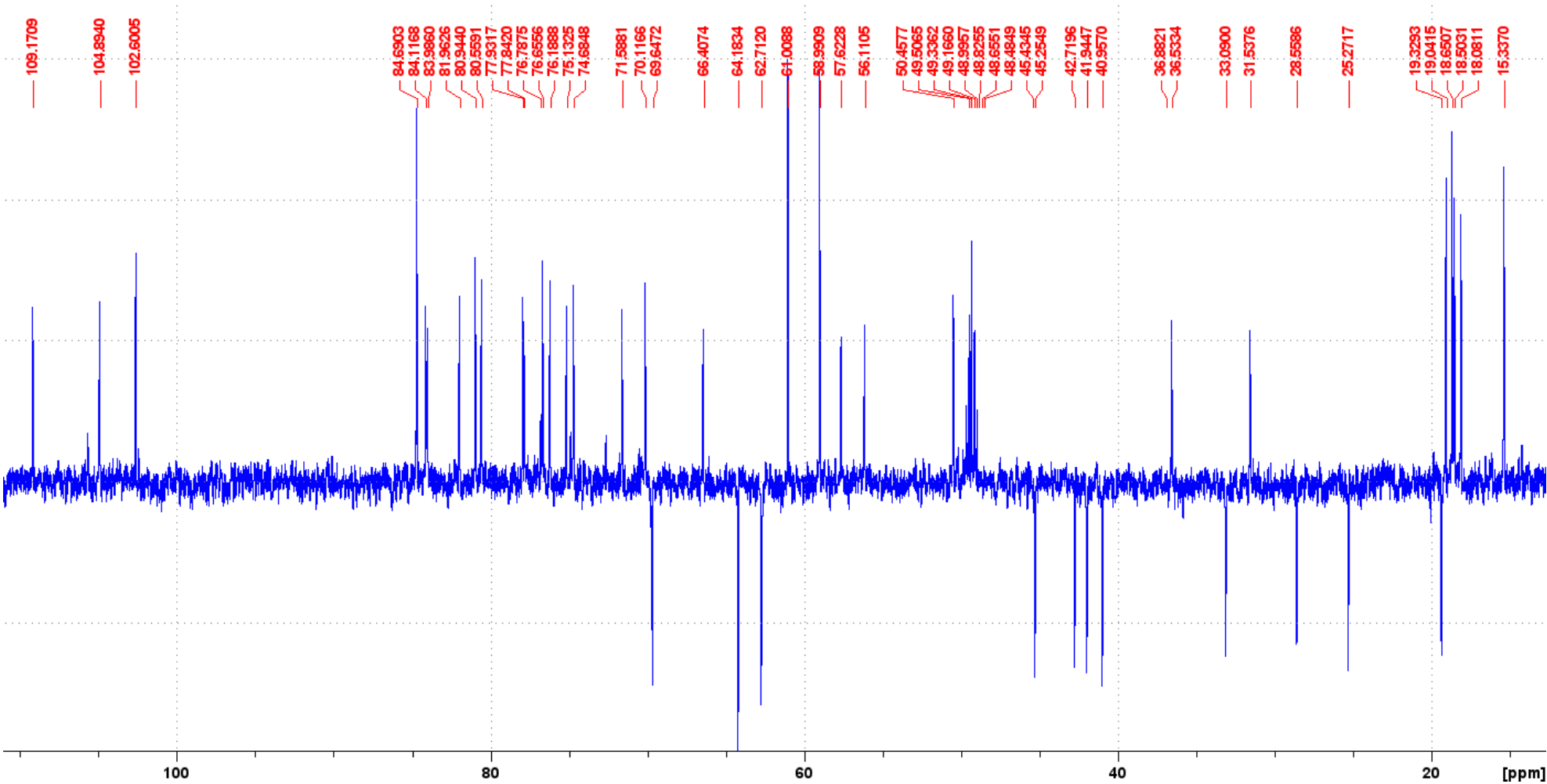
(+)HRESIMS/MS of the  $[M + Na]^+$  ion at  $m/z$  1047



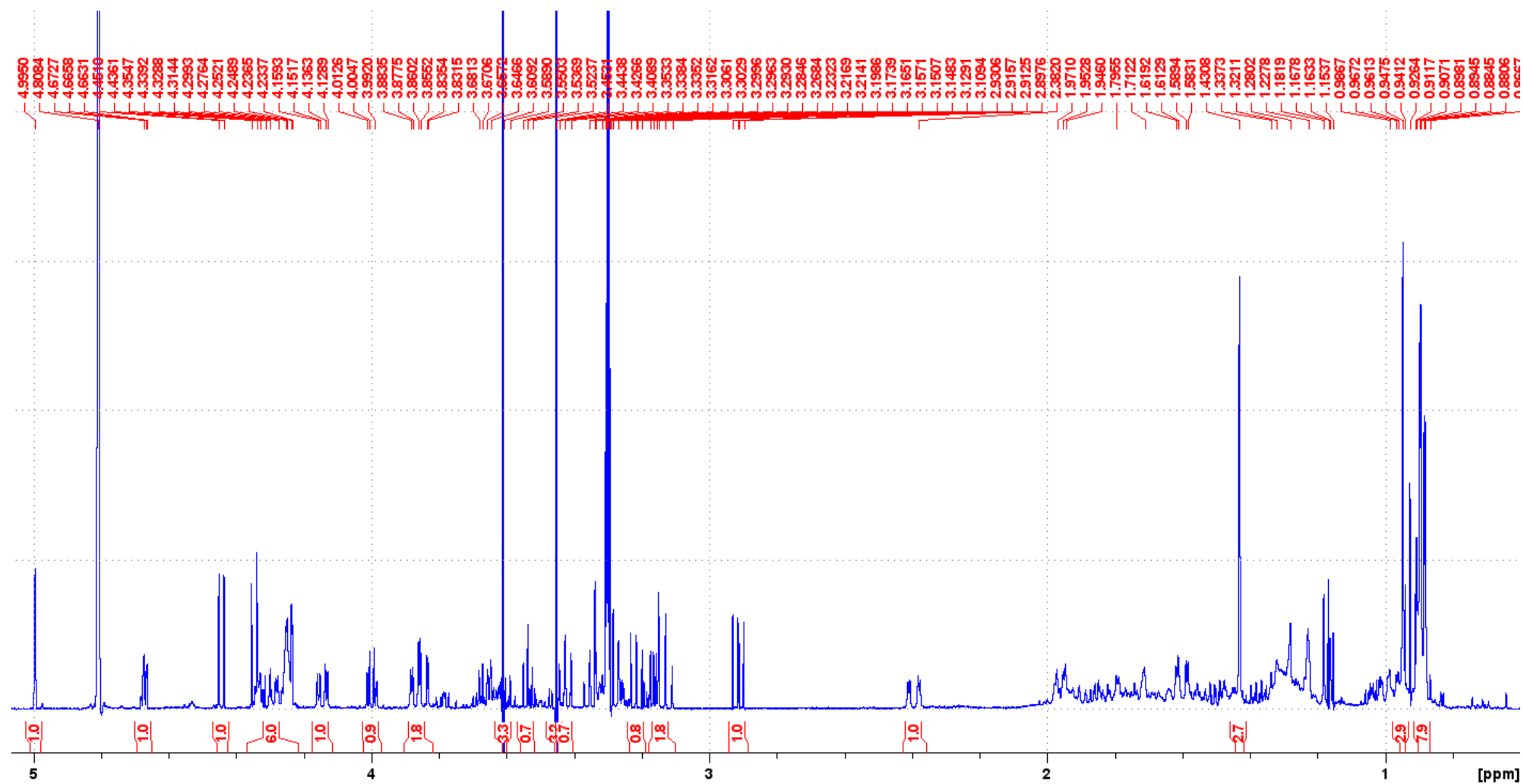
**Figure S2.**  $^{13}\text{C}$ -NMR (125.76 MHz,  $\text{CD}_3\text{OD}$ ) spectrum of compound **1**.



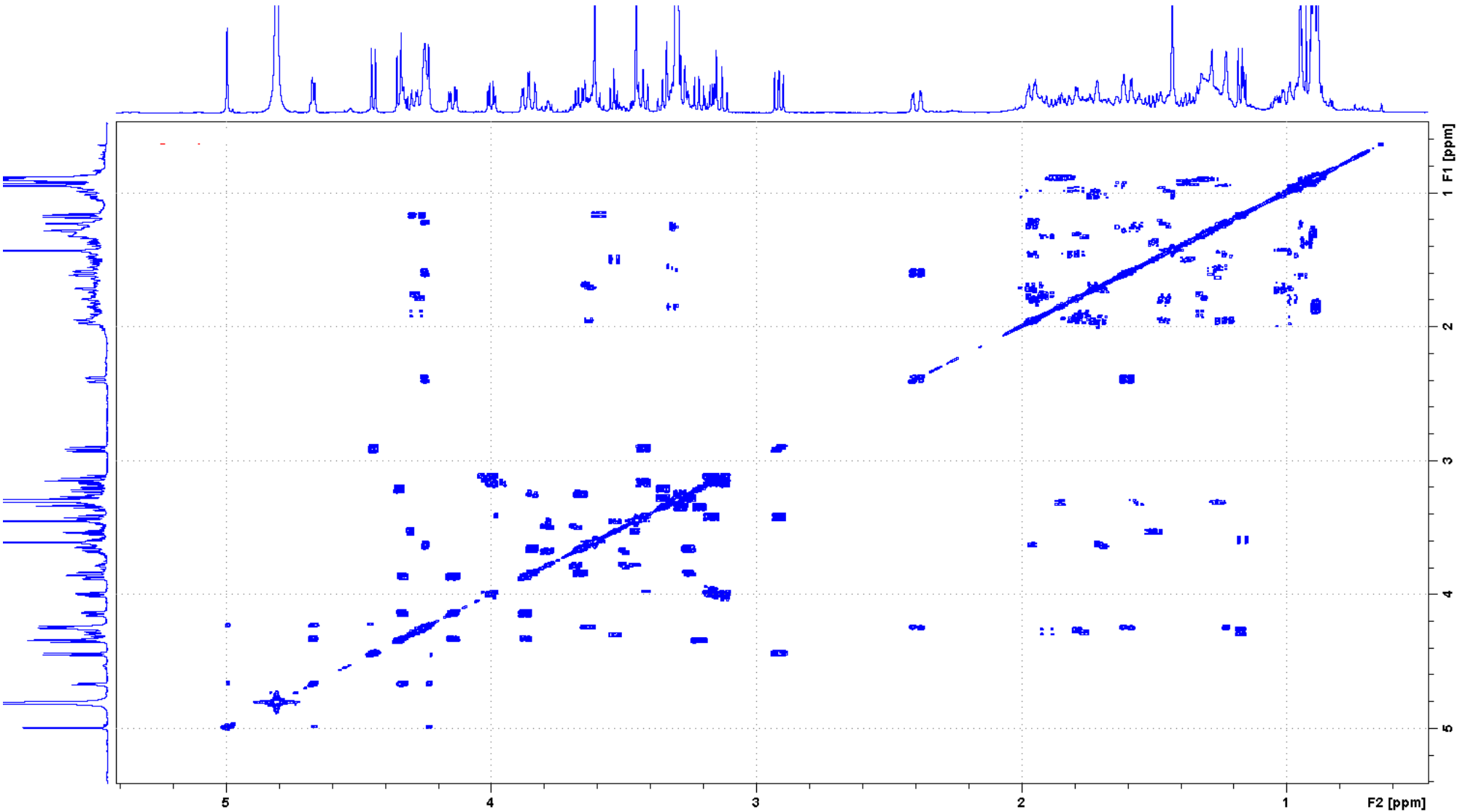
**Figure S3.** DEPT (125.76 MHz, CD<sub>3</sub>OD) spectrum of compound **1**.



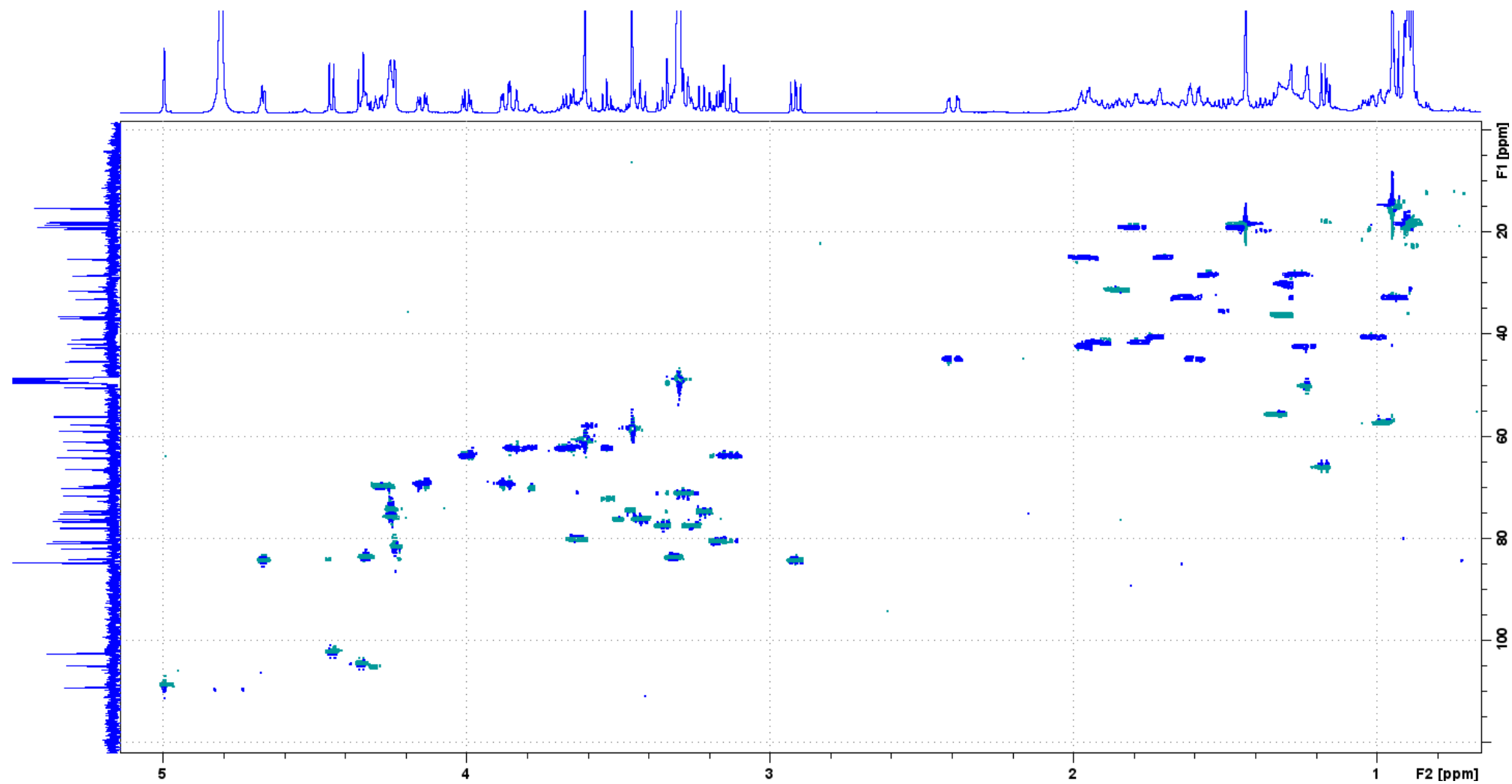
**Figure S4.**  $^1\text{H}$ -NMR (500.13 MHz,  $\text{CD}_3\text{OD}$ ) spectrum of compound **1**.



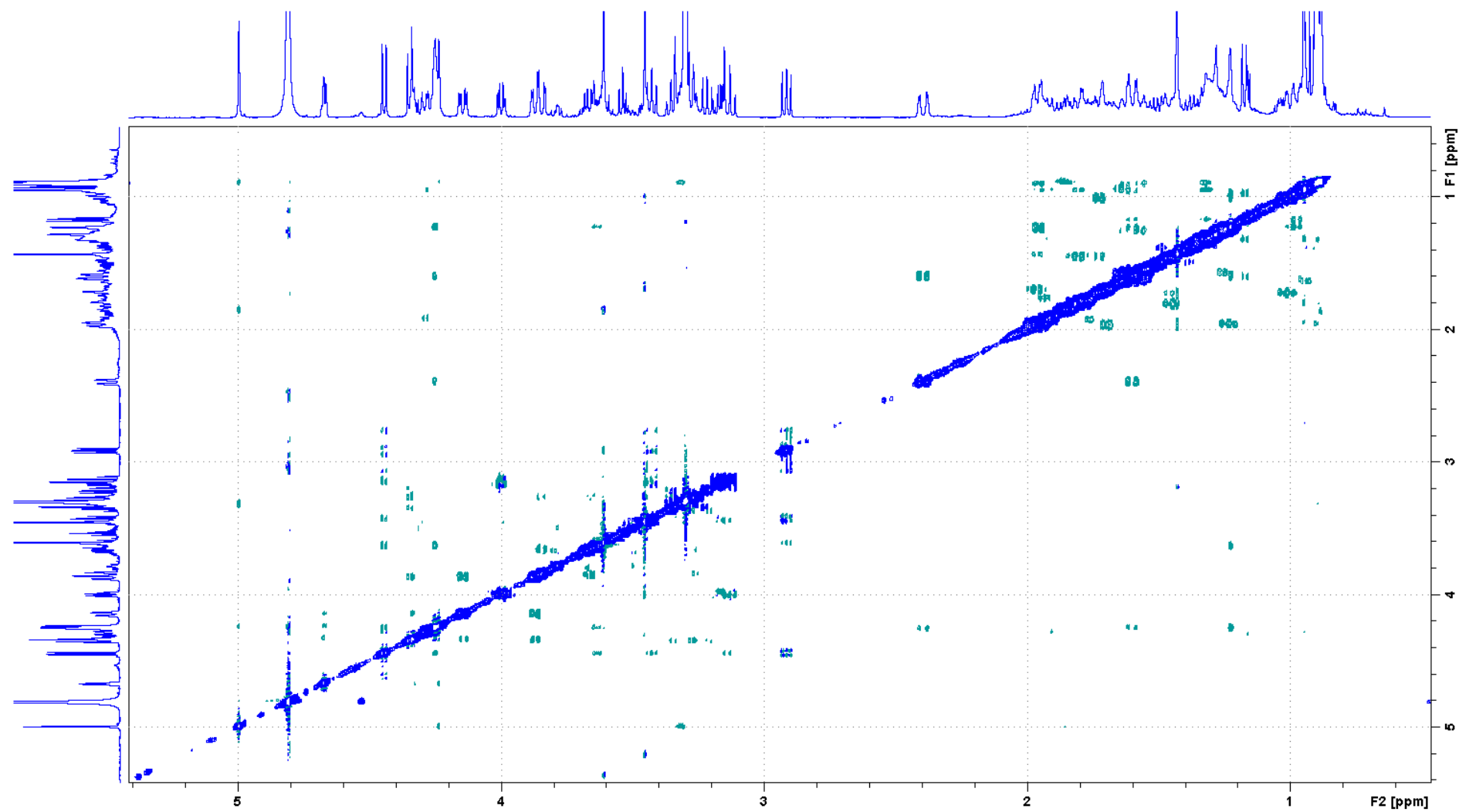
**Figure S5.**  $^1\text{H}$ - $^1\text{H}$  COSY (500.13 MHz,  $\text{CD}_3\text{OD}$ ) spectrum of compound **1**.



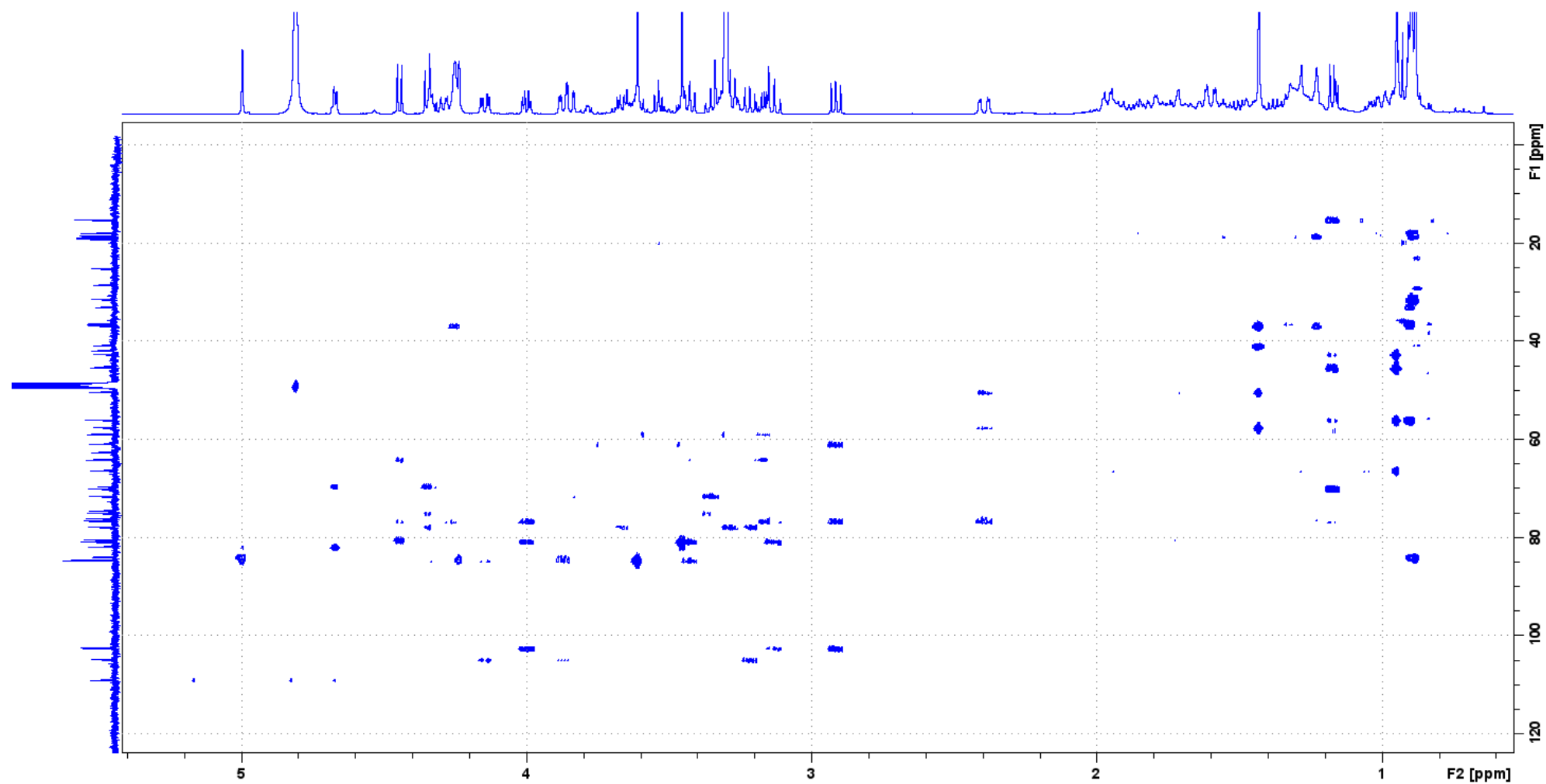
**Figure S6.** HSQC (500.13 MHz, CD<sub>3</sub>OD) spectrum of compound **1**.



**Figure S7.** ROESY (500.13 MHz, CD<sub>3</sub>OD) spectrum of compound **1**.



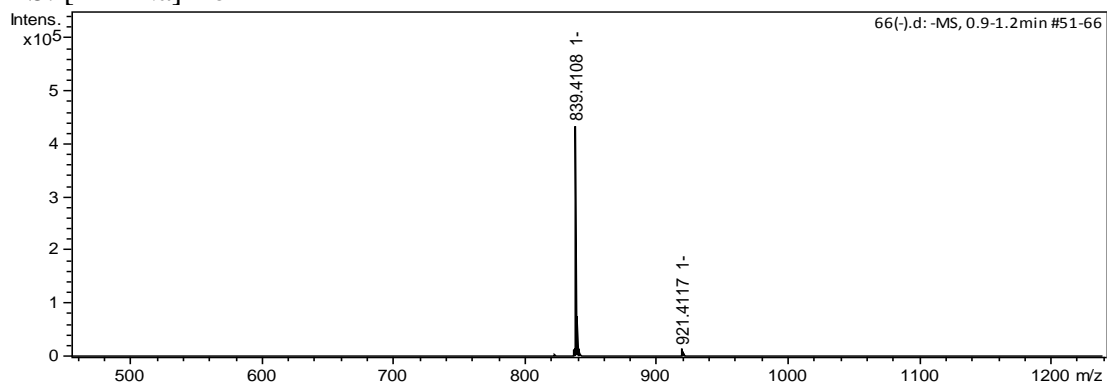
**Figure S8.** HMBC (500.13 MHz, CD<sub>3</sub>OD) spectrum of compound **1**.



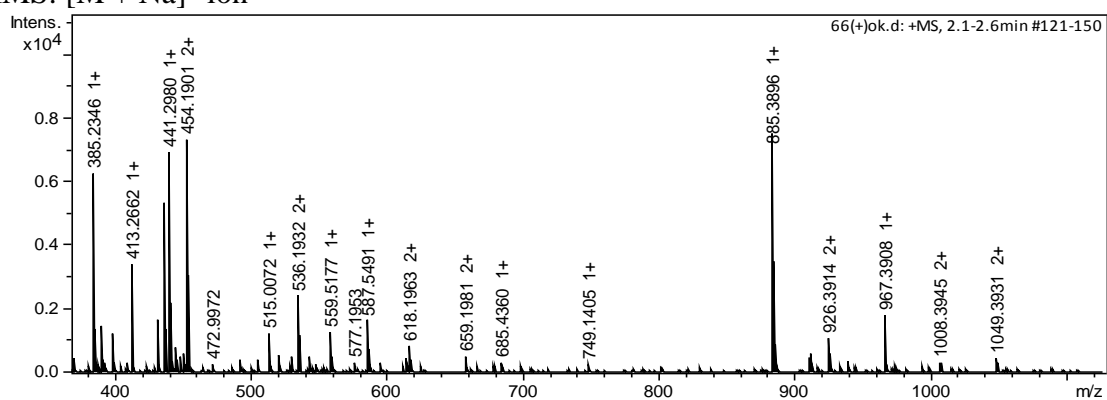


**Figure S9.** HRESIMS and HRESIMS/MS spectra of compound **2**.

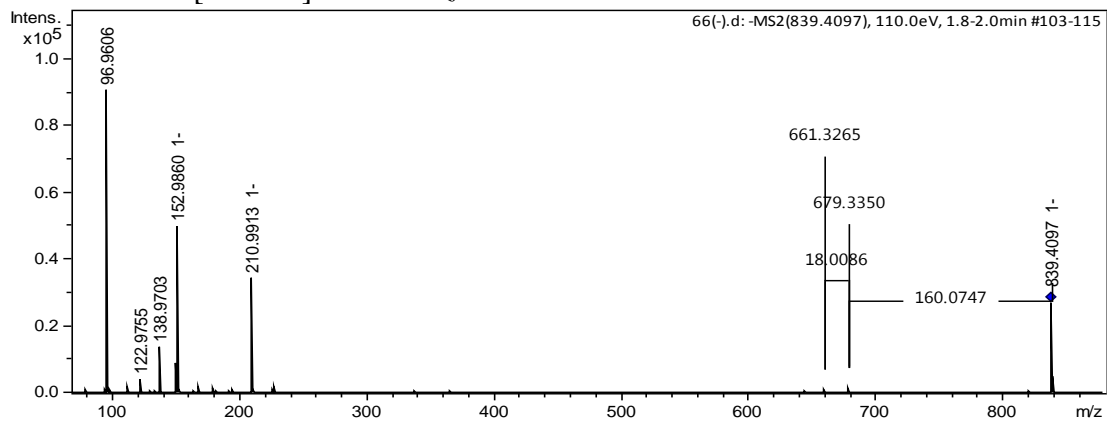
(-)HRESIMS:  $[M - Na]^-$  ion



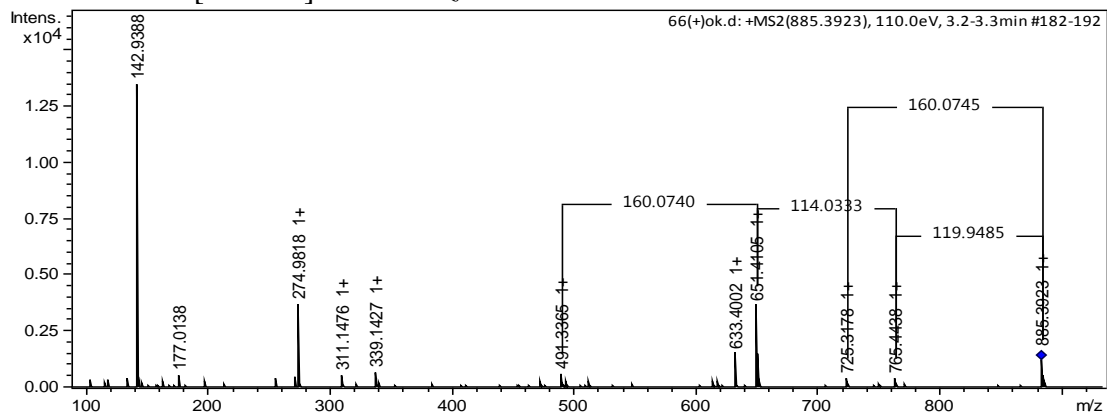
(+)HRESIMS:  $[M + Na]^+$  ion



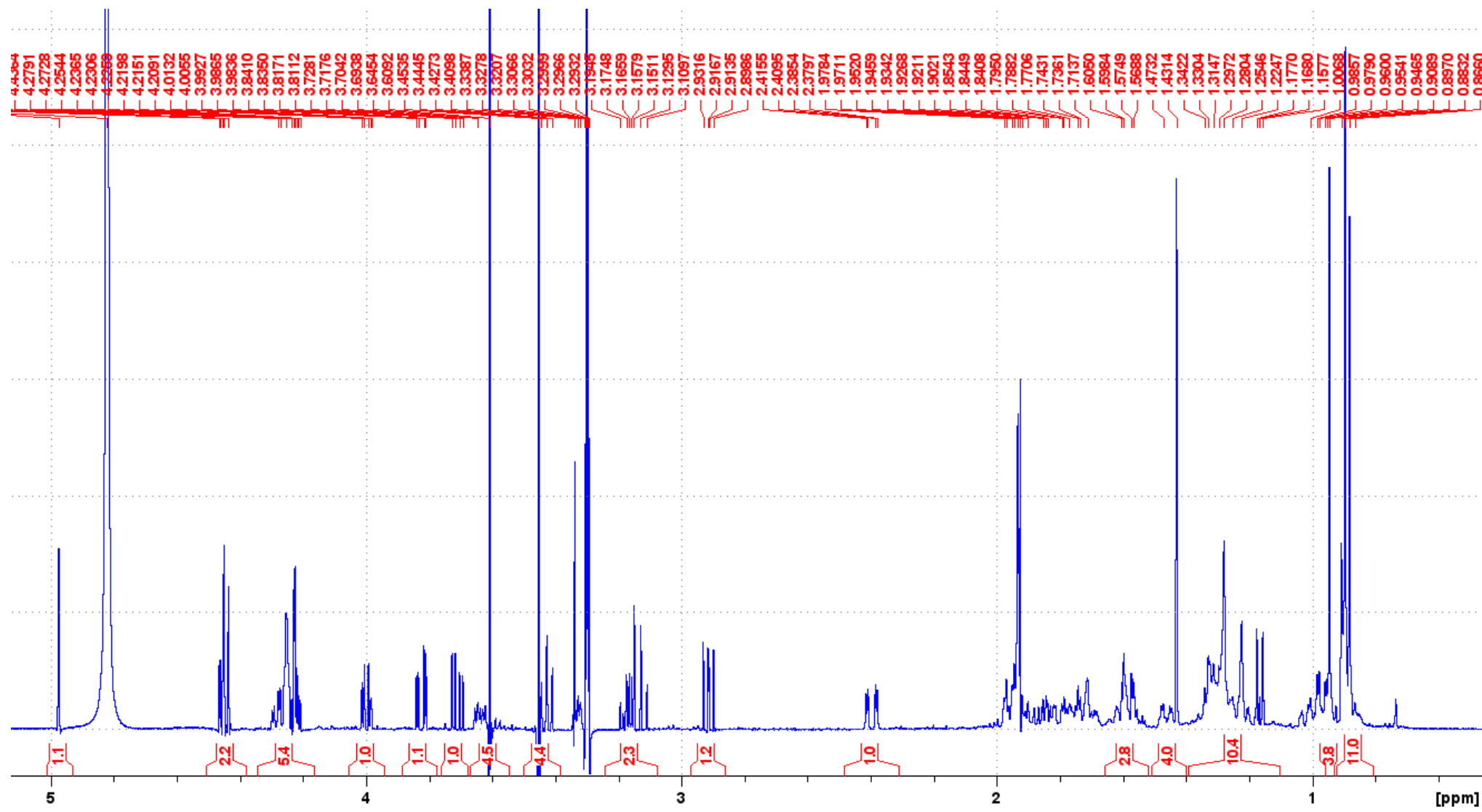
(-)HRESIMS/MS of the  $[M - Na]^-$  ion at  $m/z$  839



(+)HRESIMS/MS of the  $[M + Na]^+$  ion at  $m/z$  885



**Figure S10.**  $^1\text{H}$ -NMR (500.13 MHz,  $\text{CD}_3\text{OD}$ ) spectrum of compound 2.



**Figure S11.**  $^{13}\text{C}$ -NMR (125.76 MHz,  $\text{CD}_3\text{OD}$ ) spectrum of compound **2**.

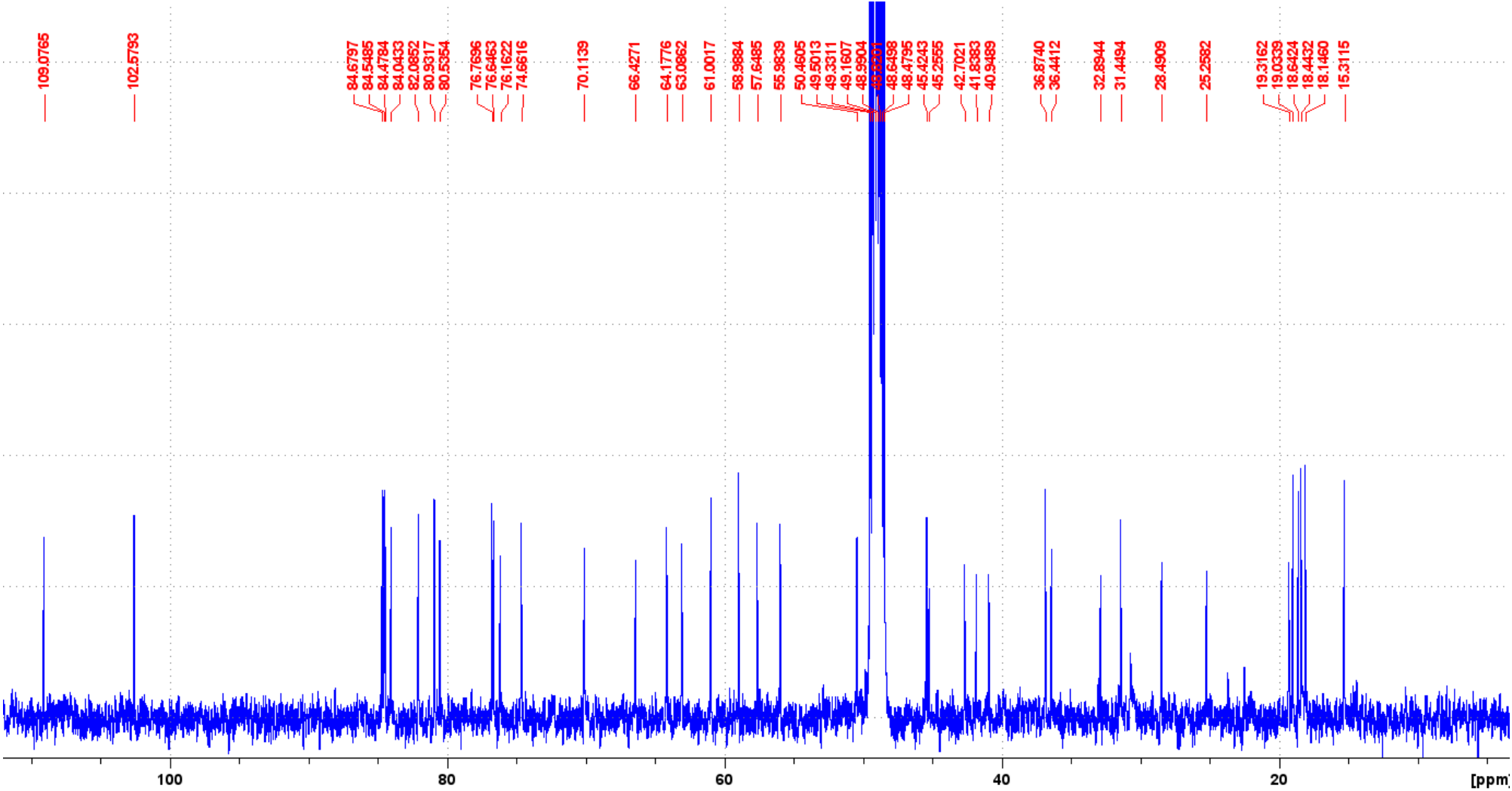
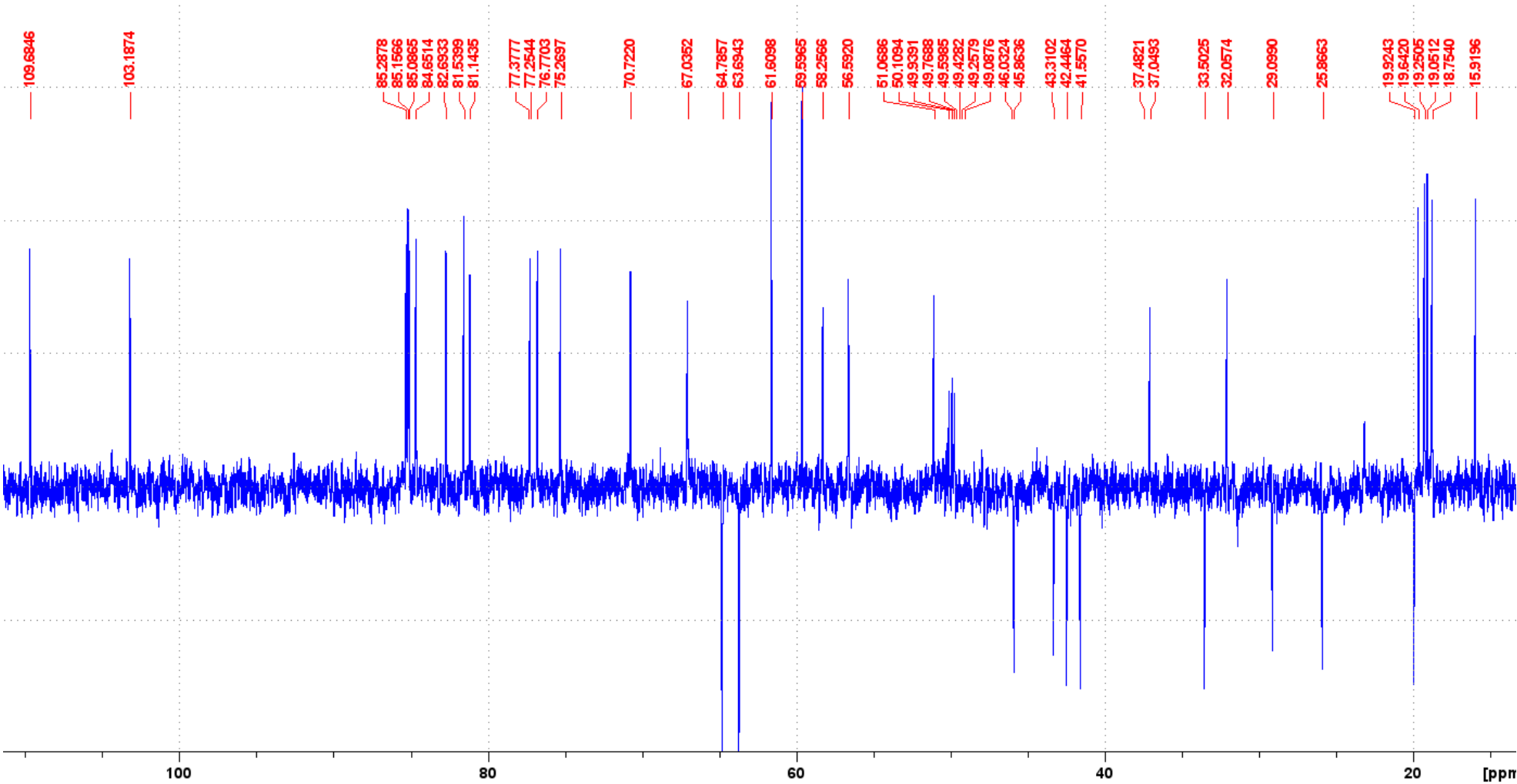
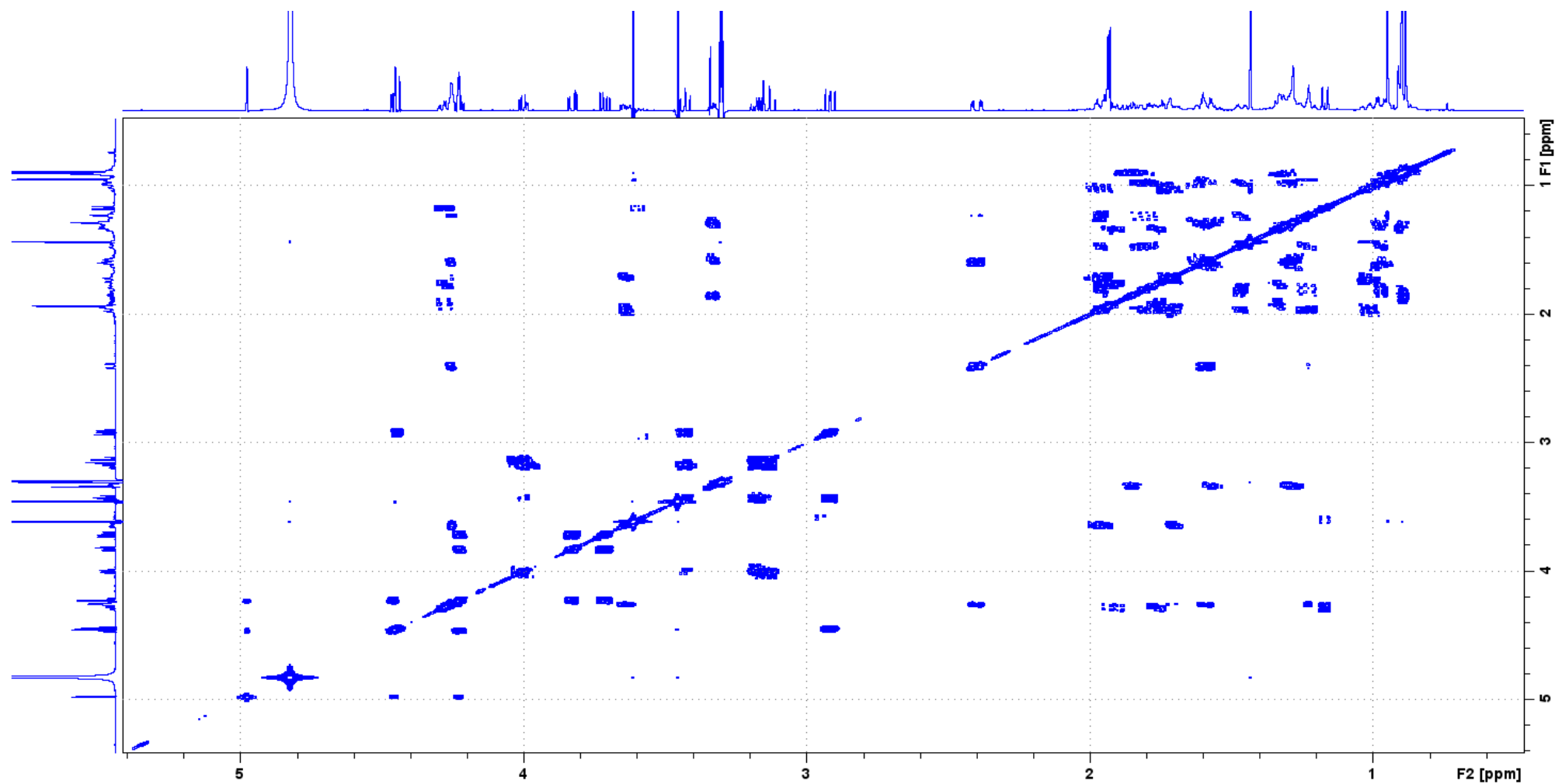


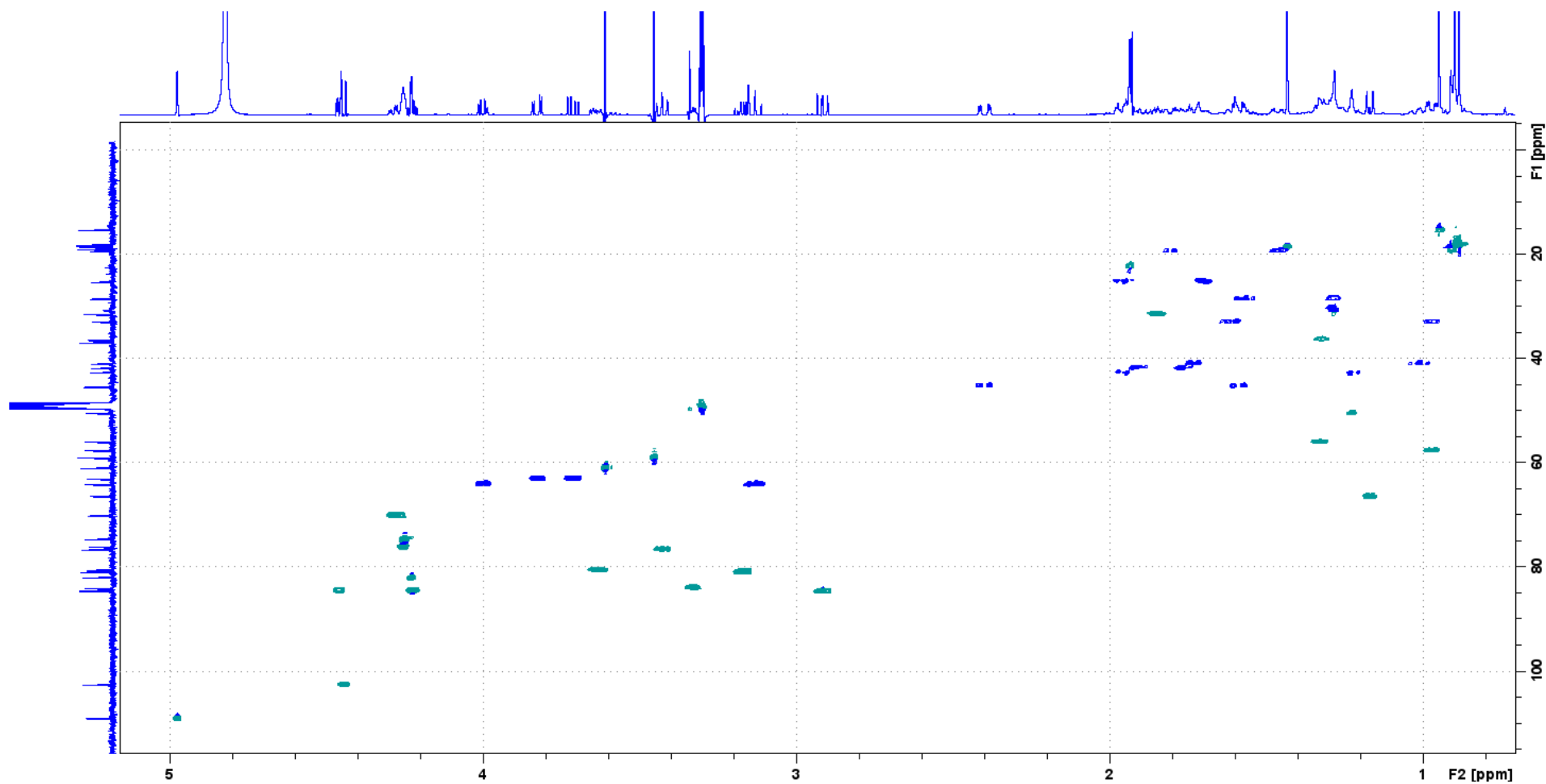
Figure S12. DEPT (125.76 MHz, CD<sub>3</sub>OD) spectrum of compound 2.



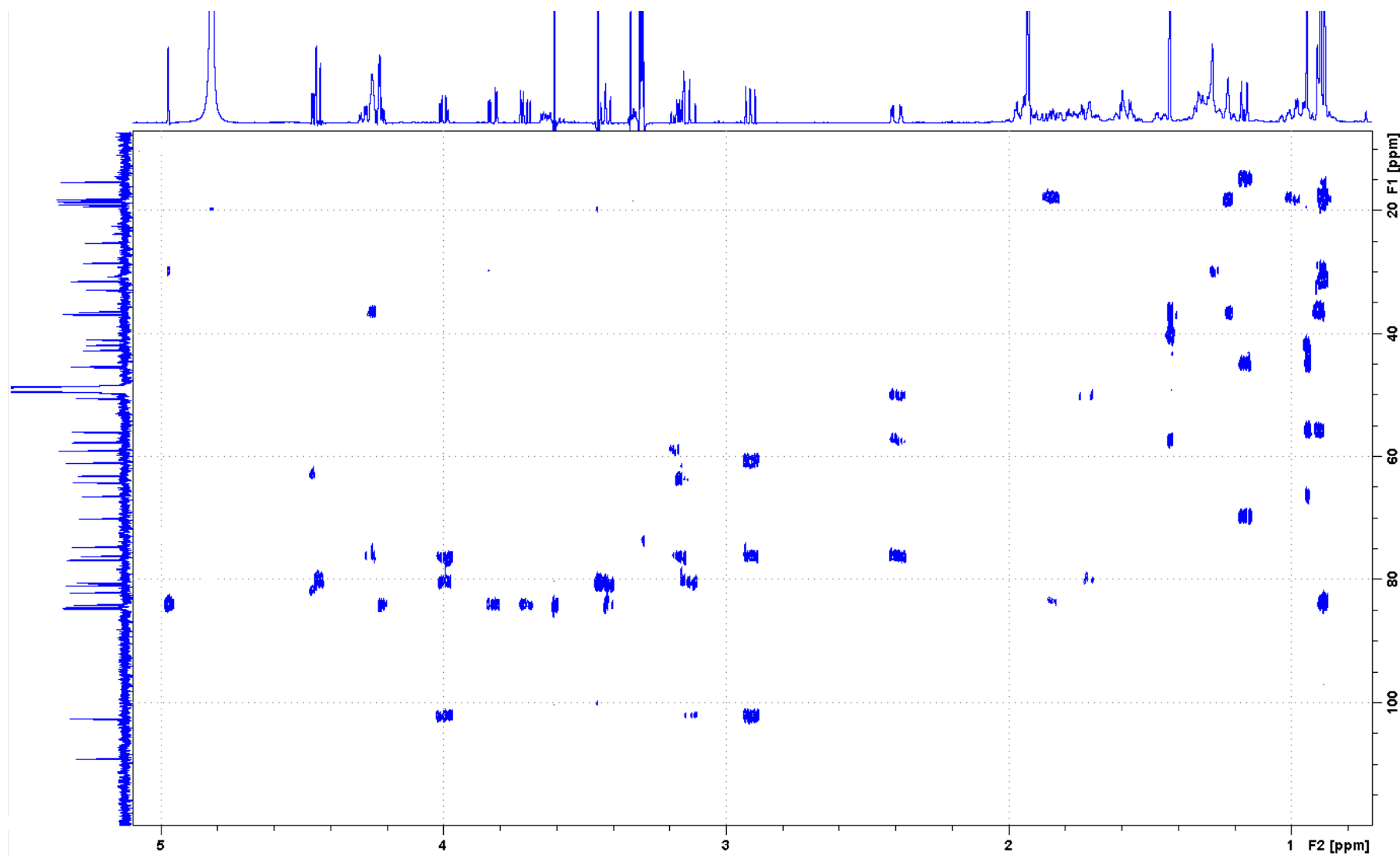
**Figure S13.**  $^1\text{H}$ - $^1\text{H}$  COSY (500.13 MHz,  $\text{CD}_3\text{OD}$ ) spectrum of compound **2**.



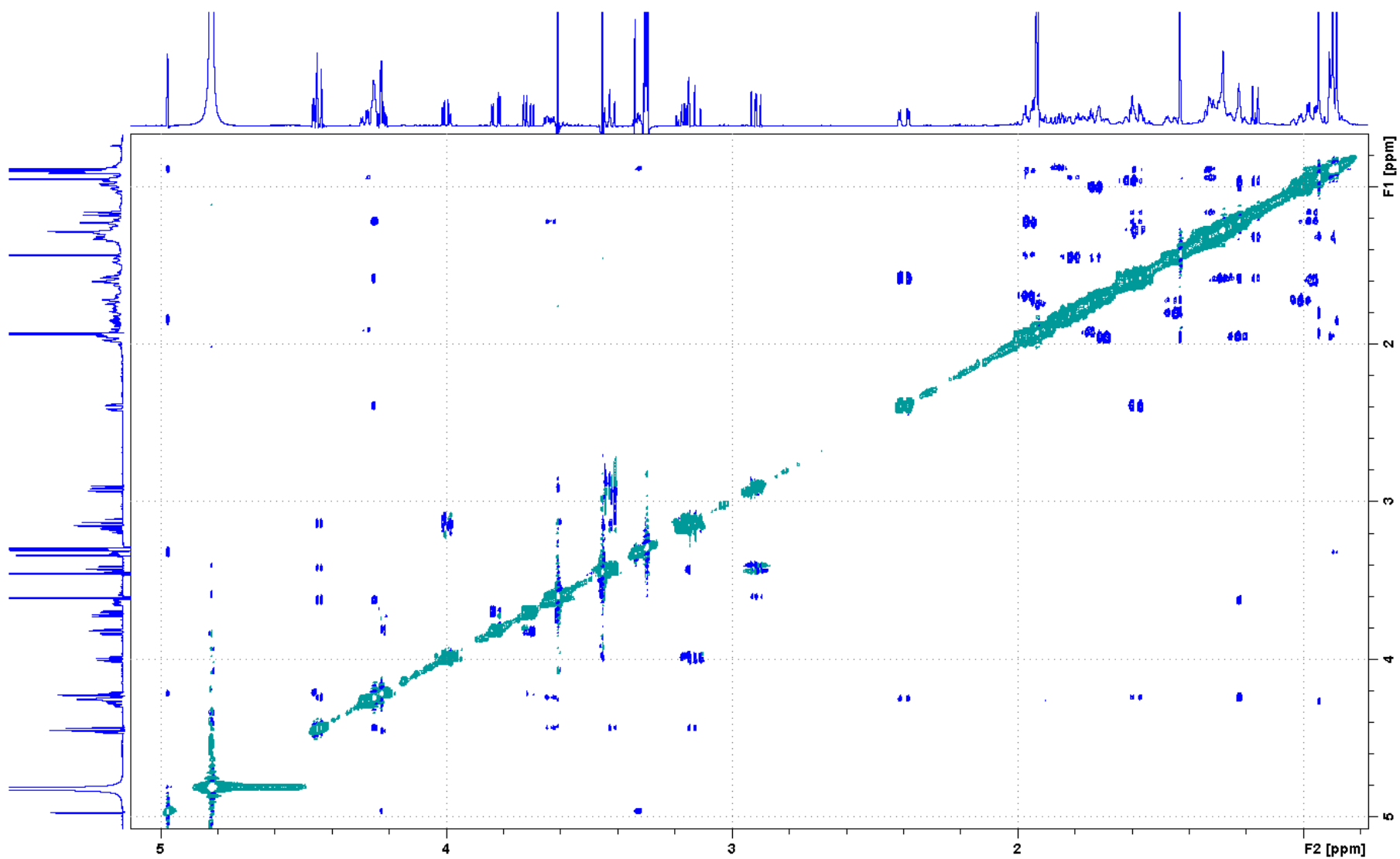
**Figure S14.** HSQC (500.13 MHz, CD<sub>3</sub>OD) spectrum of compound **2**.



**Figure S15.** HMBC (500.13 MHz, CD<sub>3</sub>OD) spectrum of compound **2**.



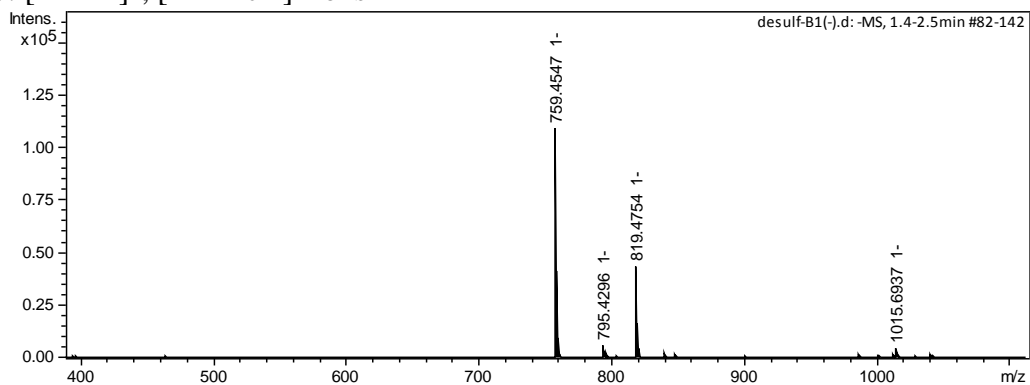
**Figure S16.** ROESY (500.13 MHz, CD<sub>3</sub>OD) spectrum of compound **2**.



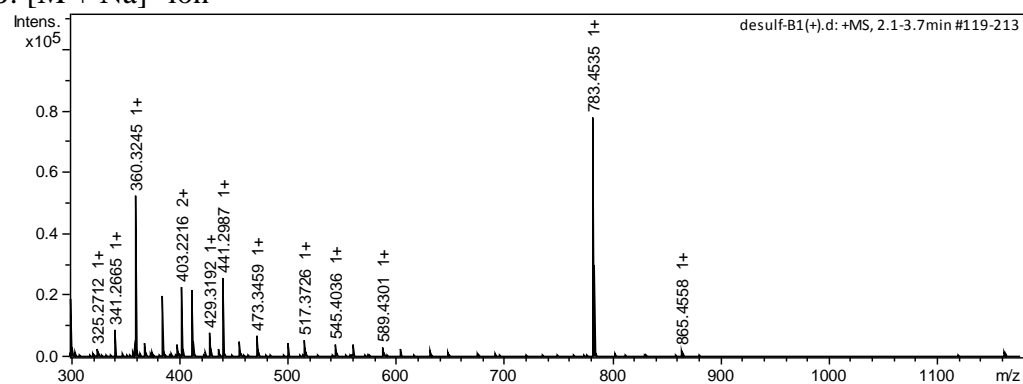


**Figure S17.** HRESIMS and HRESIMS/MS spectra of compound **2a**.

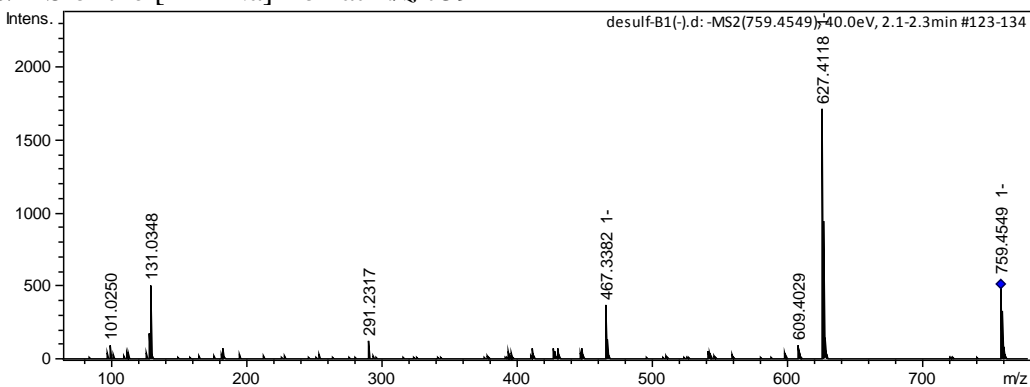
(-)HRESIMS:  $[M - H]^-$ ,  $[M + AcH]^-$  ions



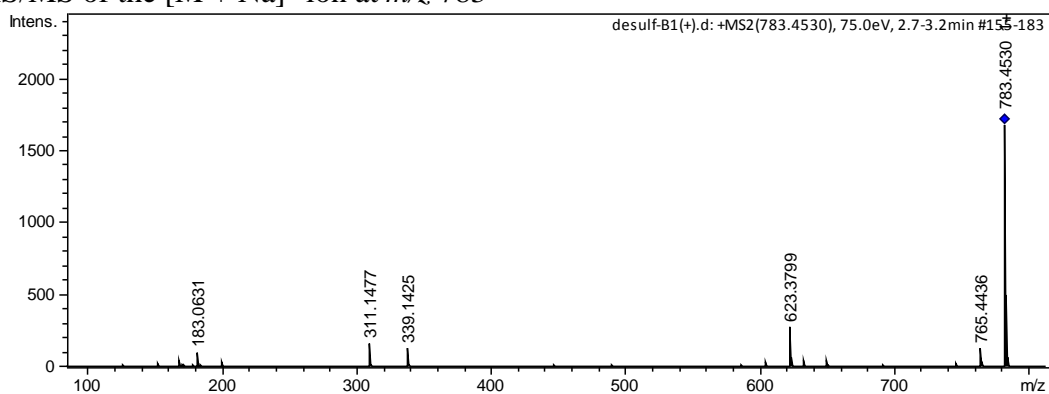
(+)HRESIMS:  $[M + Na]^+$  ion



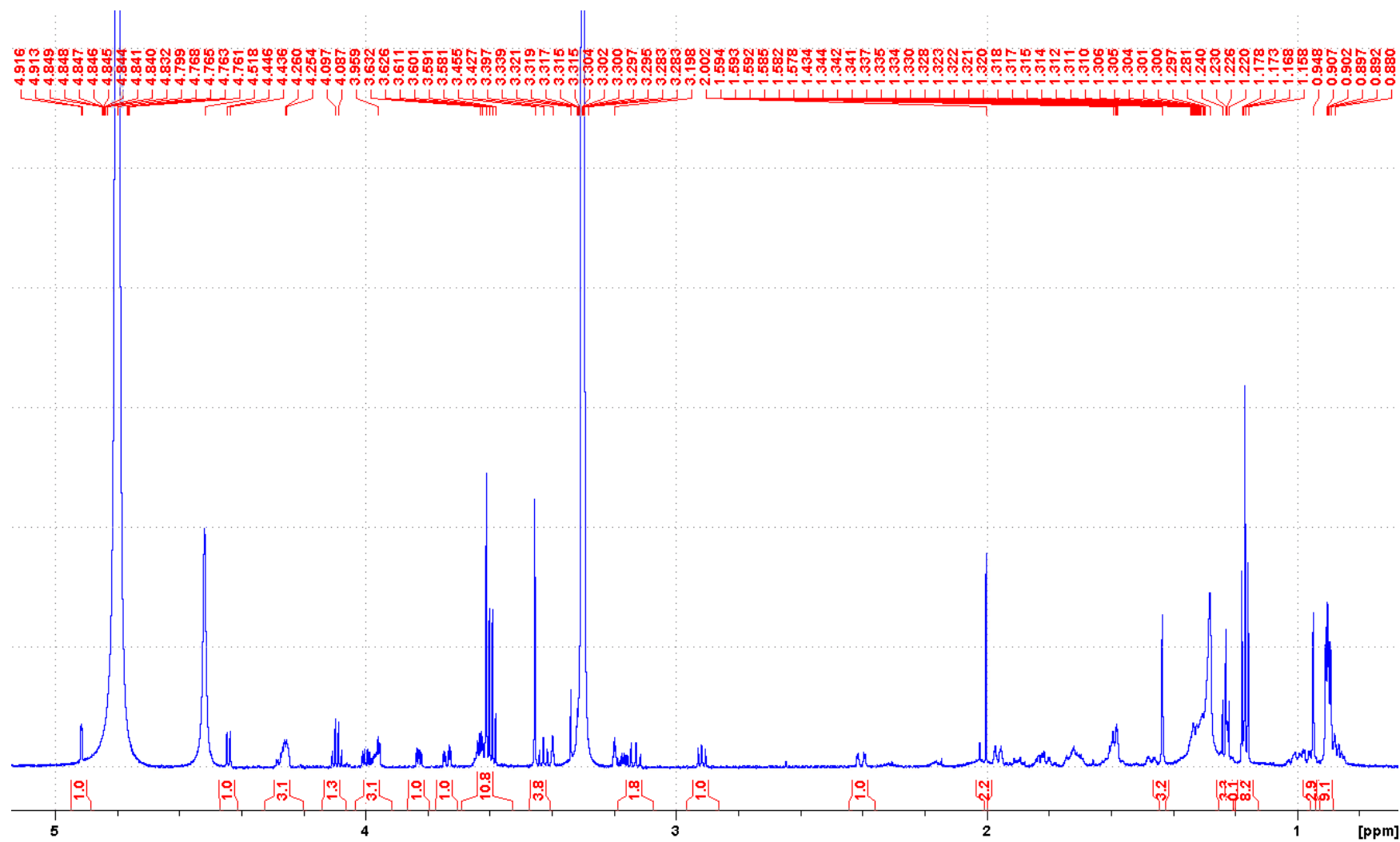
(-)HRESIMS/MS of the  $[M - Na]^-$  ion at  $m/z$  759



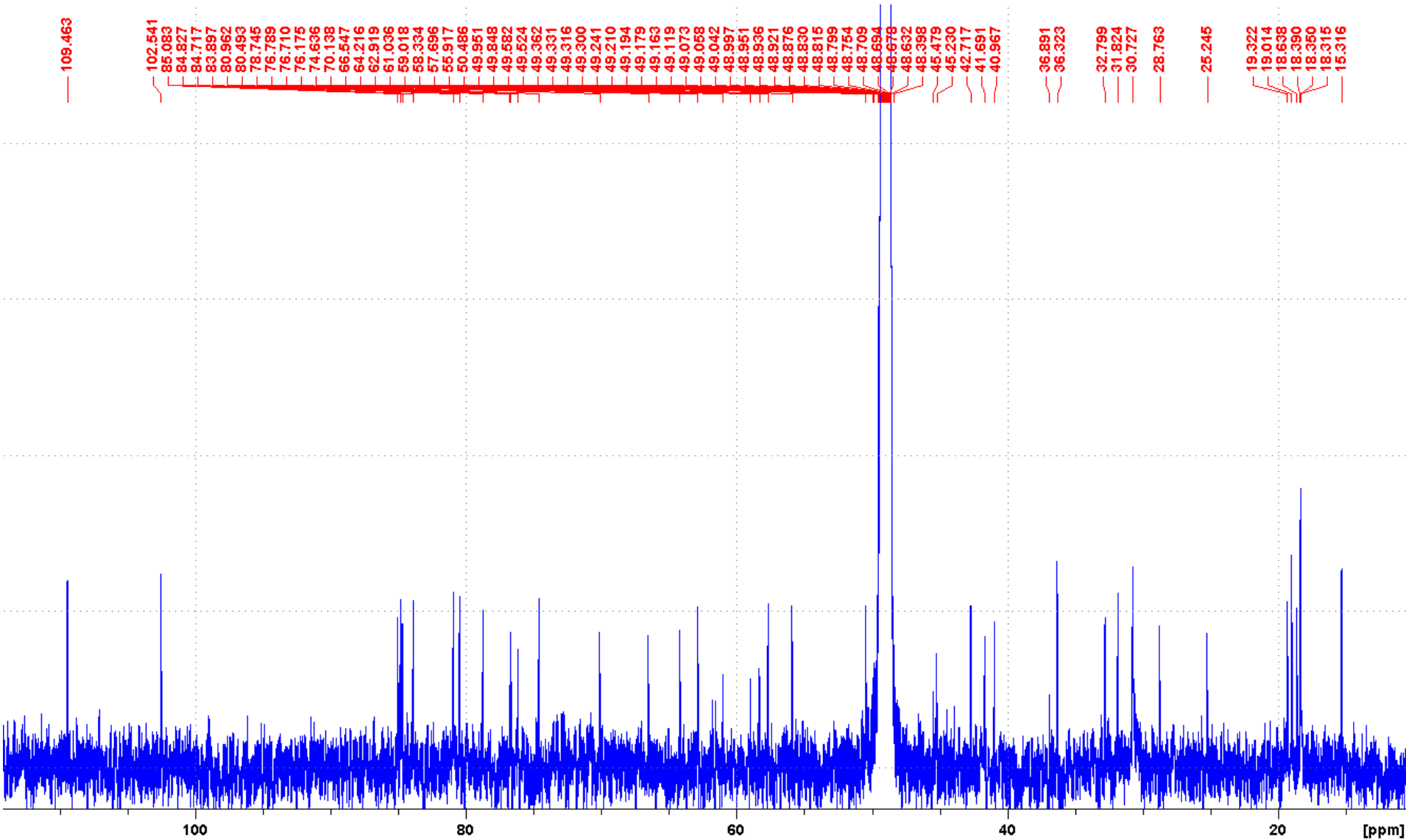
(+)HRESIMS/MS of the  $[M + Na]^+$  ion at  $m/z$  783



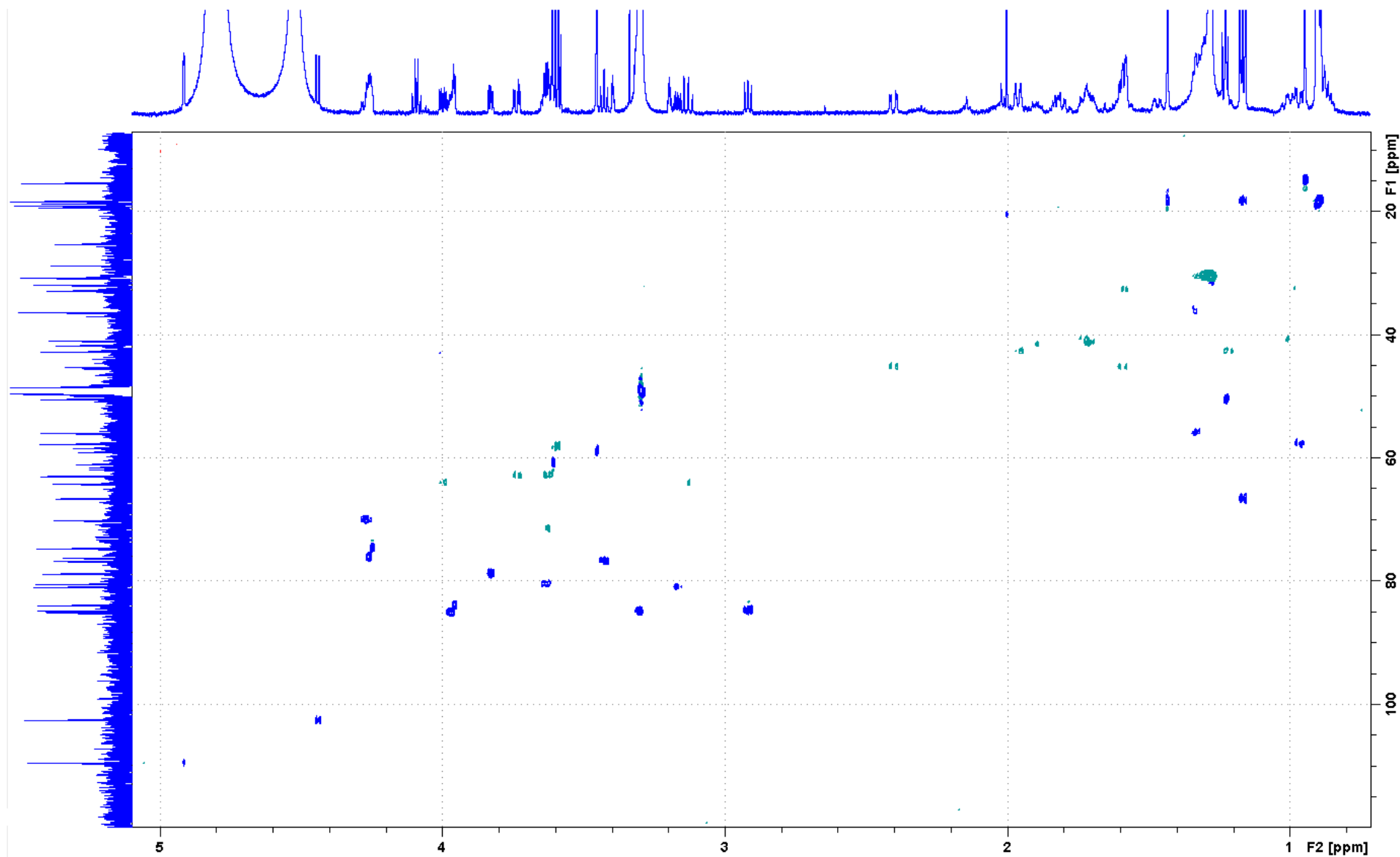
**Figure S18.**  $^1\text{H}$ -NMR (700.13 MHz,  $\text{CD}_3\text{OD}$ ) spectrum of compound **2a**.



**Figure S19.**  $^{13}\text{C}$ -NMR (176.04 MHz,  $\text{CD}_3\text{OD}$ ) spectrum of compound **2a**.

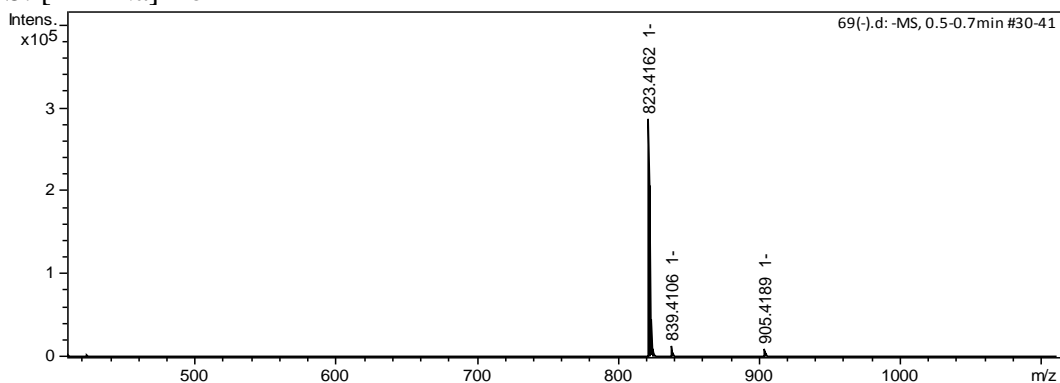


**Figure S20.** HSQC (700.13 MHz, CD<sub>3</sub>OD) spectrum of compound **2a**.

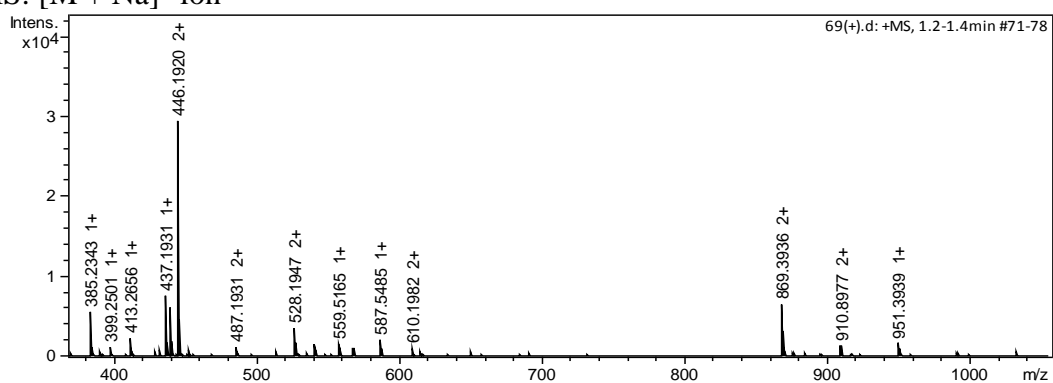


**Figure S21.** HRESIMS and HRESIMS/MS spectra of compound **3**.

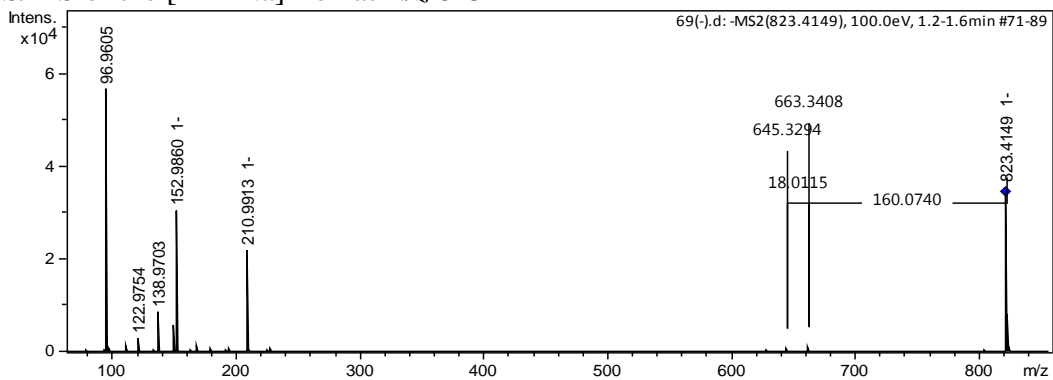
(-)HRESIMS:  $[M - Na]^-$  ion



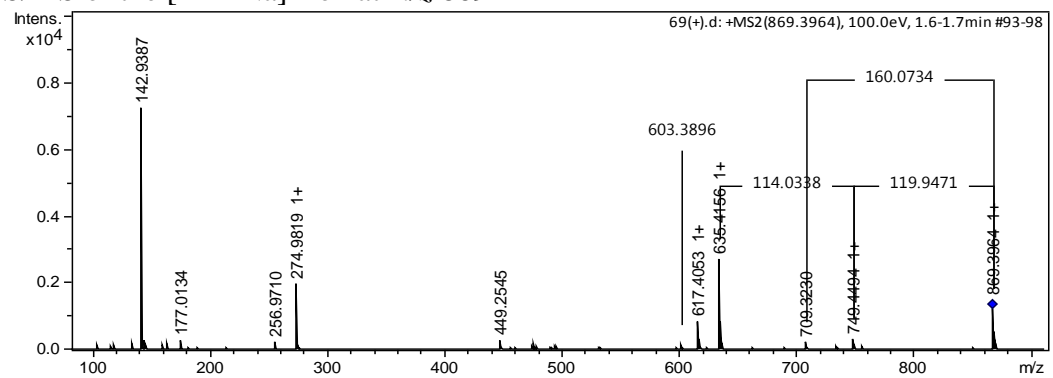
(+)HRESIMS:  $[M + Na]^+$  ion



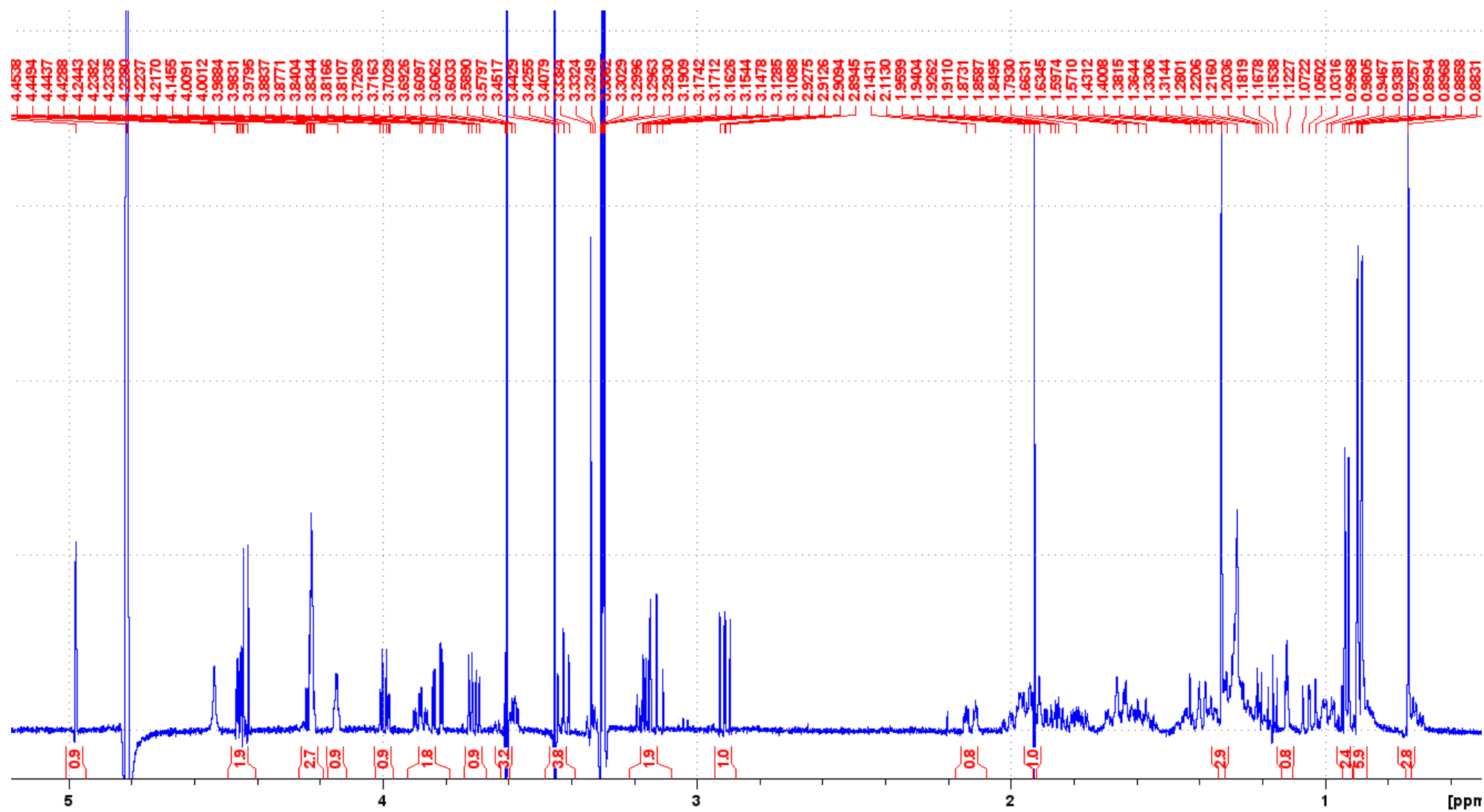
(-)HRESIMS/MS of the  $[M - Na]^-$  ion at  $m/z$  823



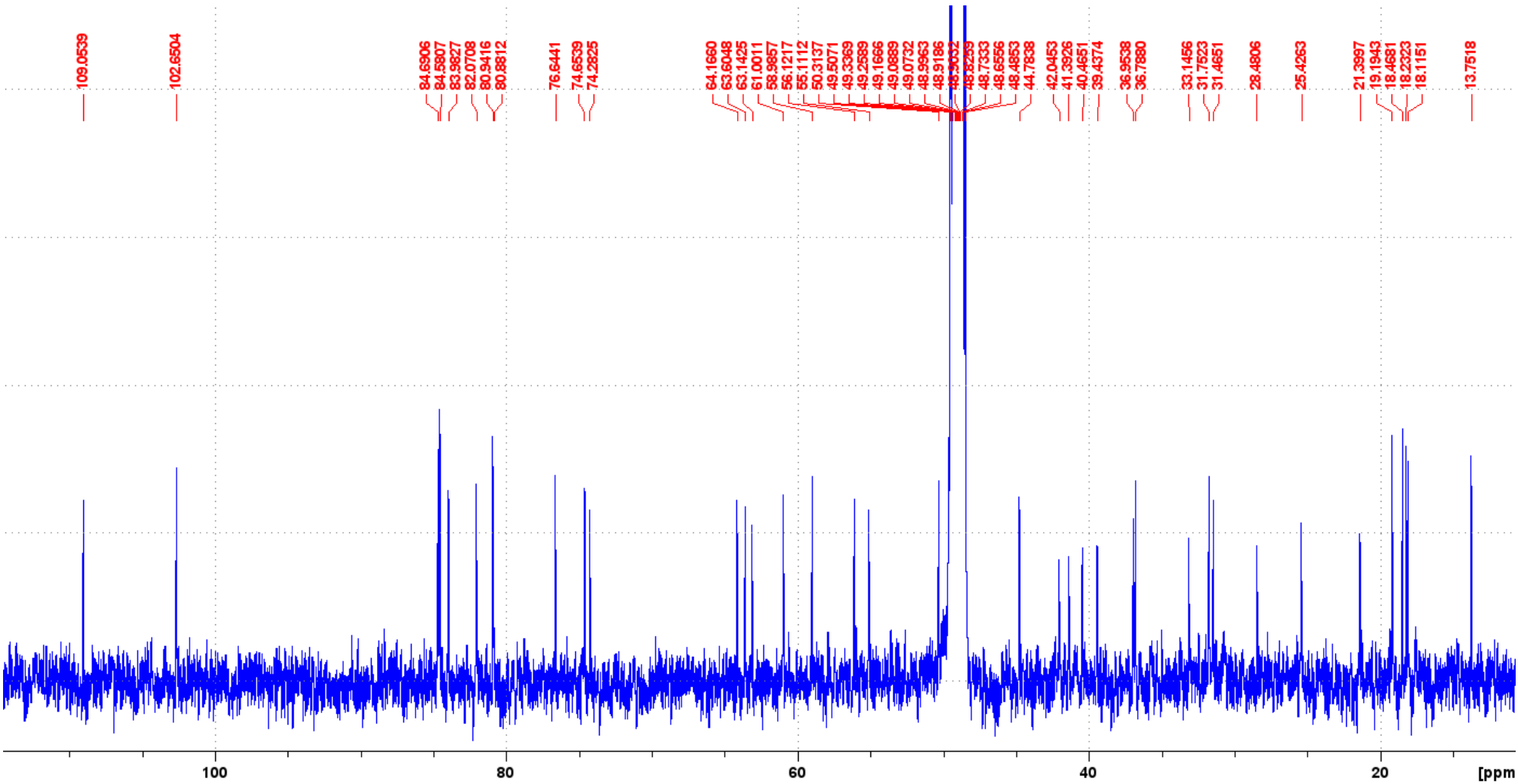
(+)HRESIMS/MS of the  $[M + Na]^+$  ion at  $m/z$  869



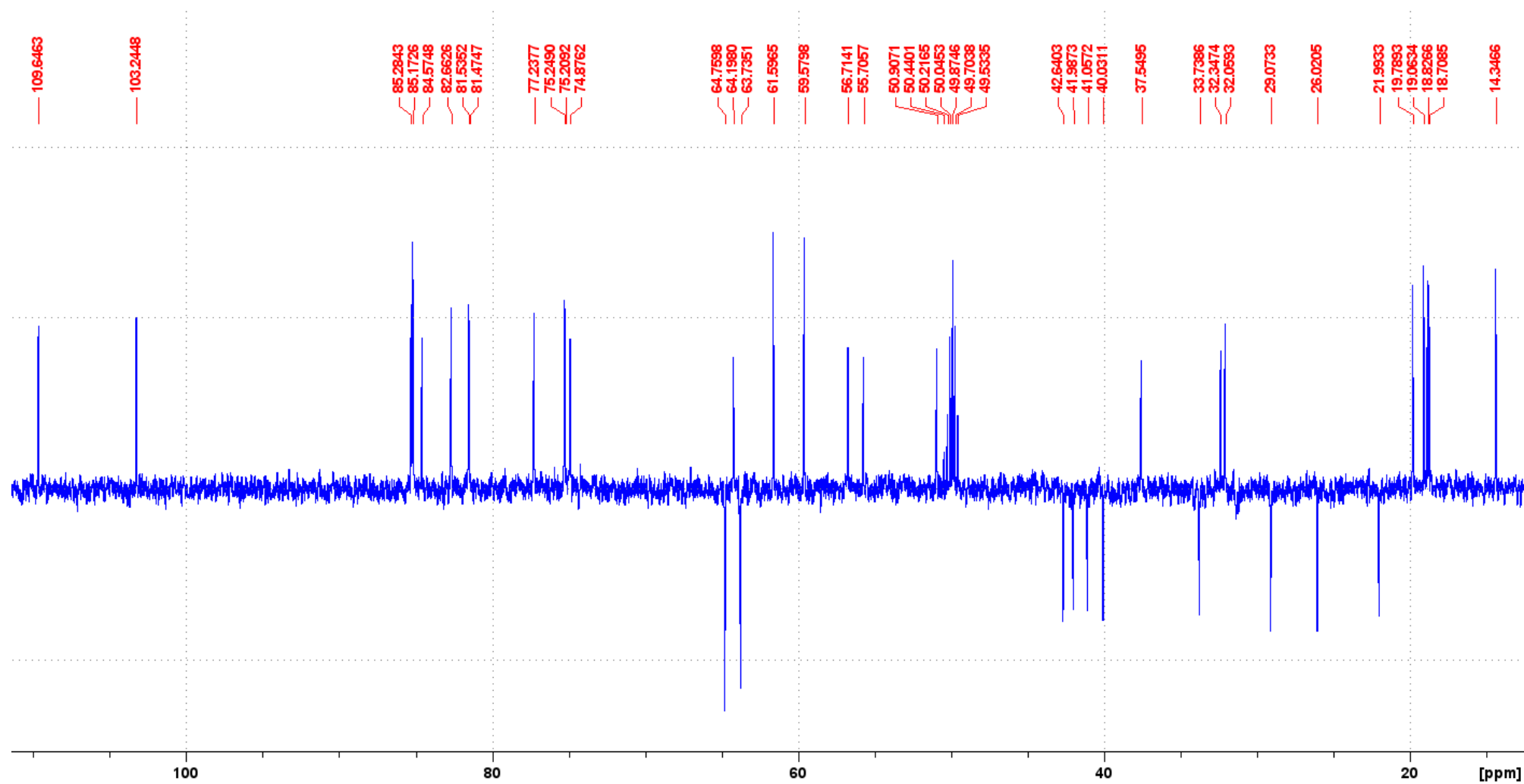
**Figure S22.**  $^1\text{H}$ -NMR (500.13 MHz,  $\text{CD}_3\text{OD}$ ) spectrum of compound **3**.



**Figure S23.**  $^{13}\text{C}$ -NMR (125.76 MHz,  $\text{CD}_3\text{OD}$ ) spectrum of compound **3**.

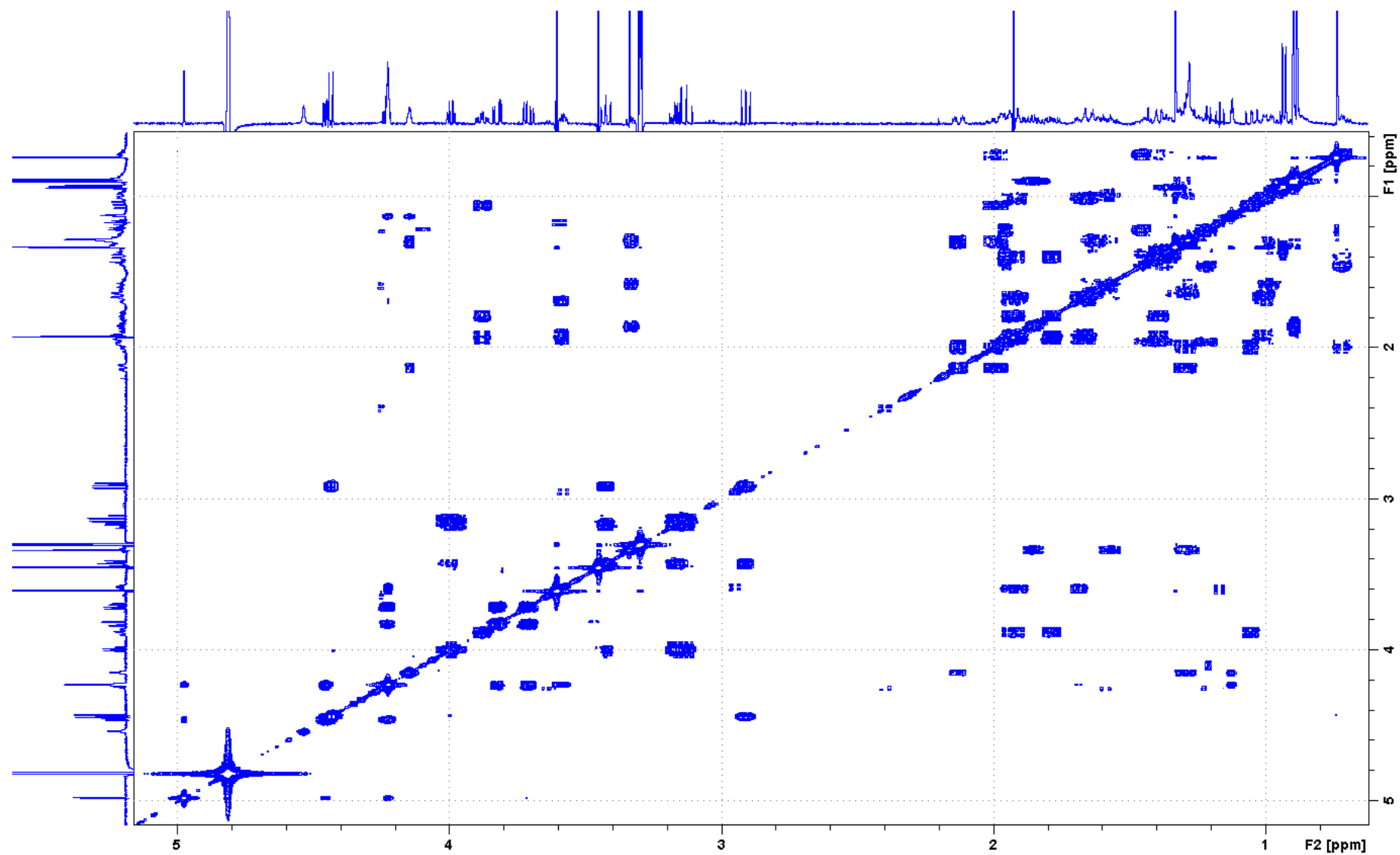


**Figure S24.** DEPT (125.76 MHz, CD<sub>3</sub>OD) spectrum of compound **3**.

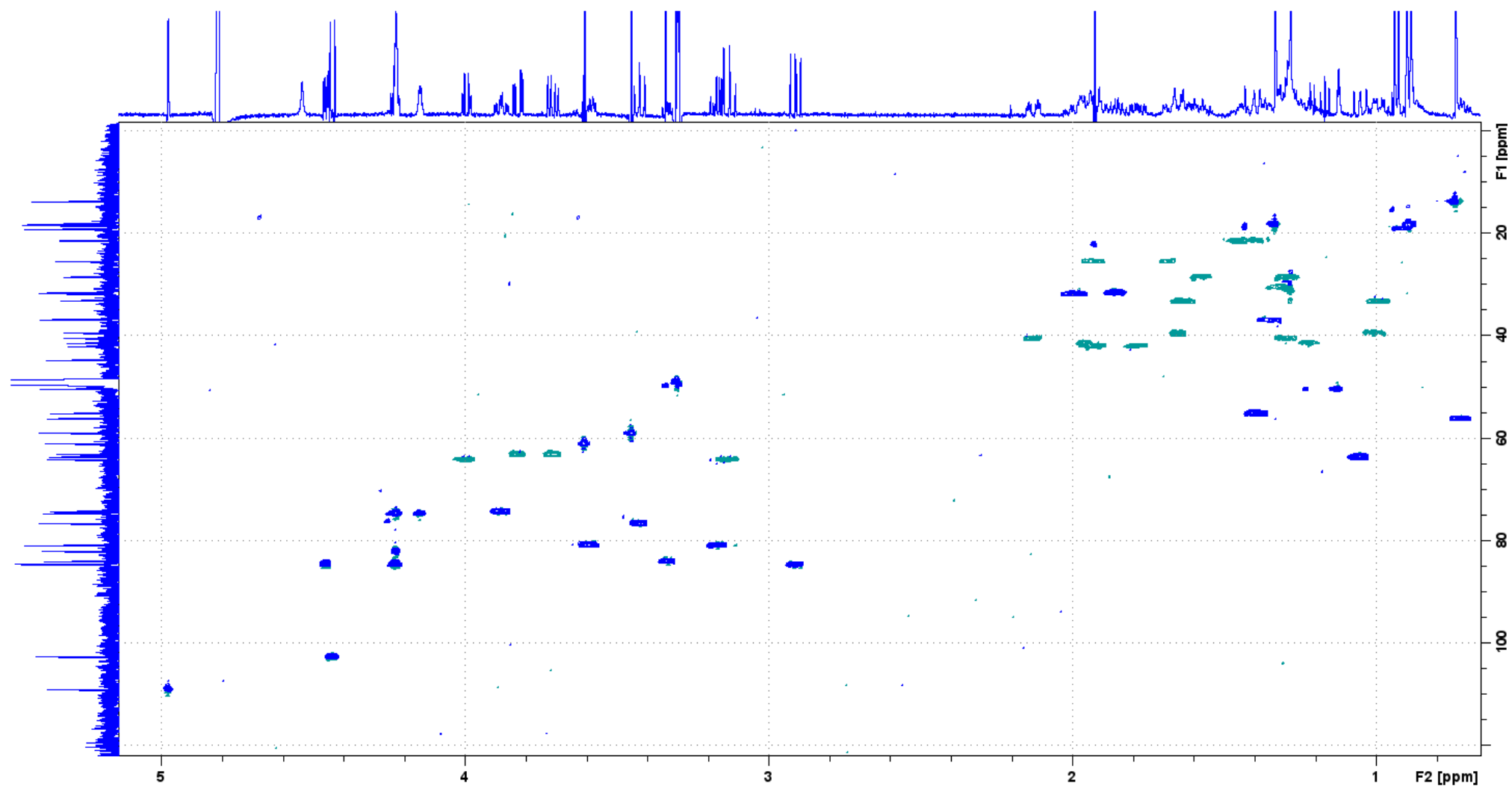




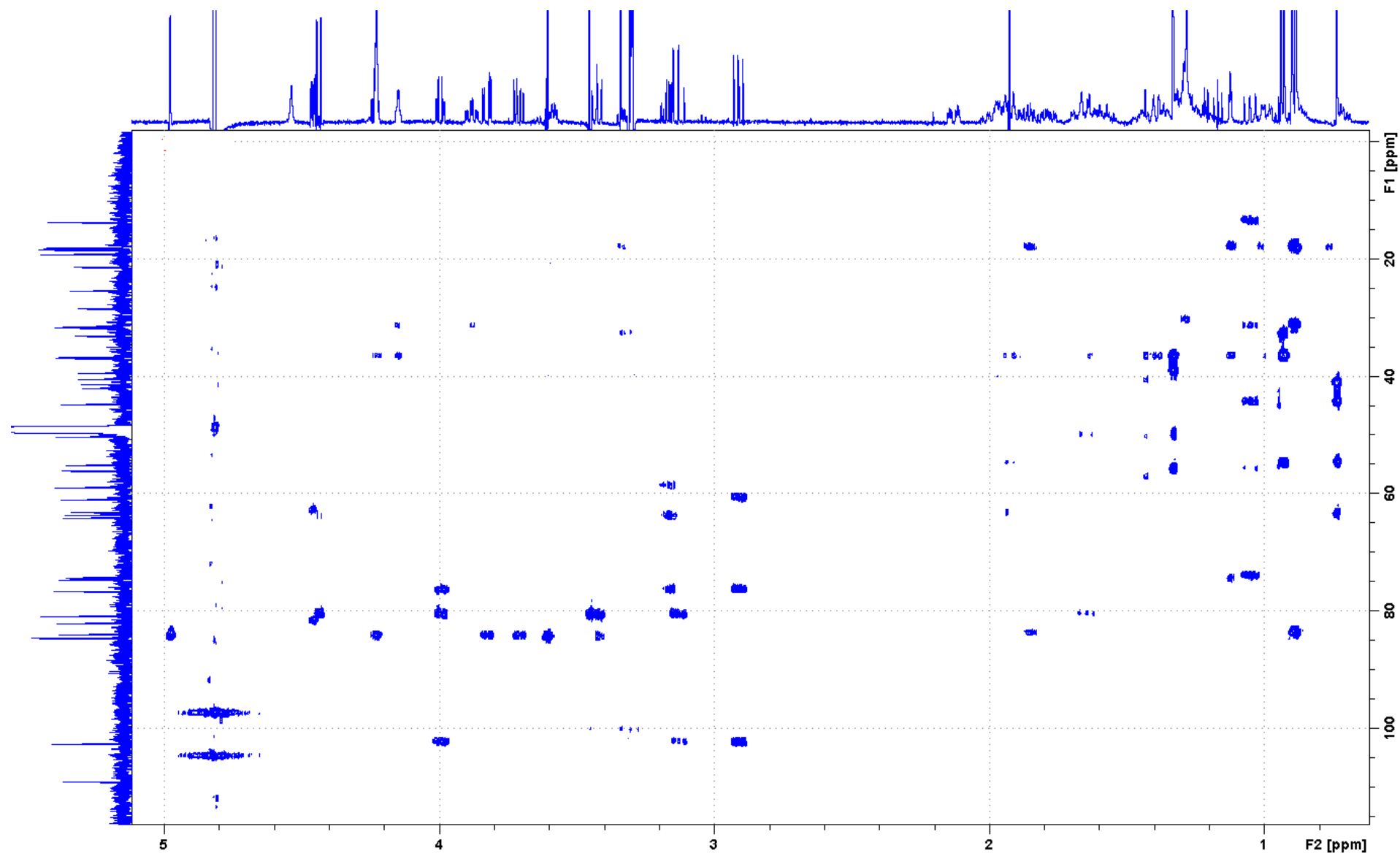
**Figure S25.**  $^1\text{H}$ - $^1\text{H}$  COSY (500.13 MHz,  $\text{CD}_3\text{OD}$ ) spectrum of compound **3**.



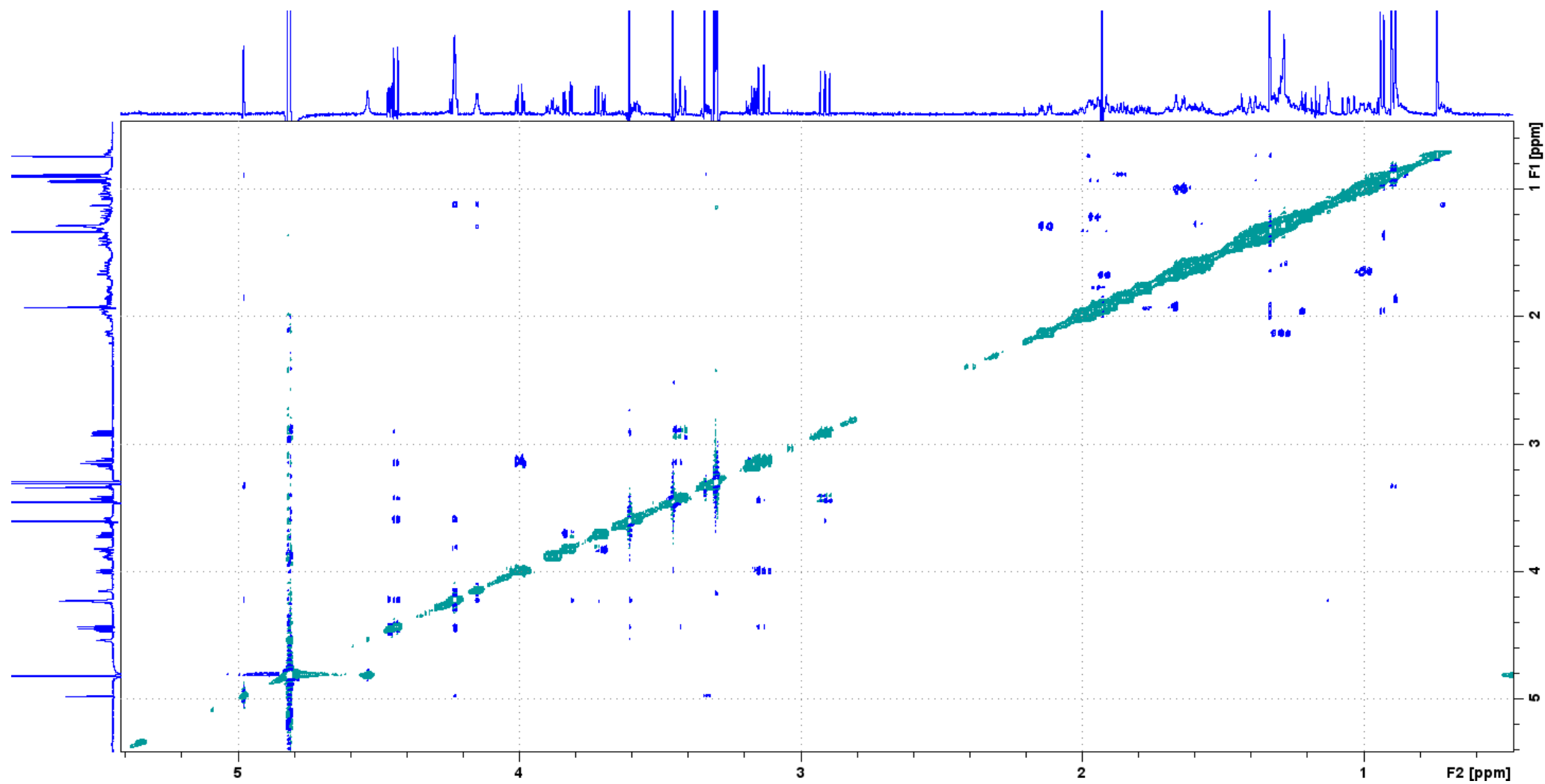
**Figure S26.** HSQC (500.13 MHz, CD<sub>3</sub>OD) spectrum of compound **3**.



**Figure S27.** HMBC (500.13 MHz, CD<sub>3</sub>OD) spectrum of compound **3**.

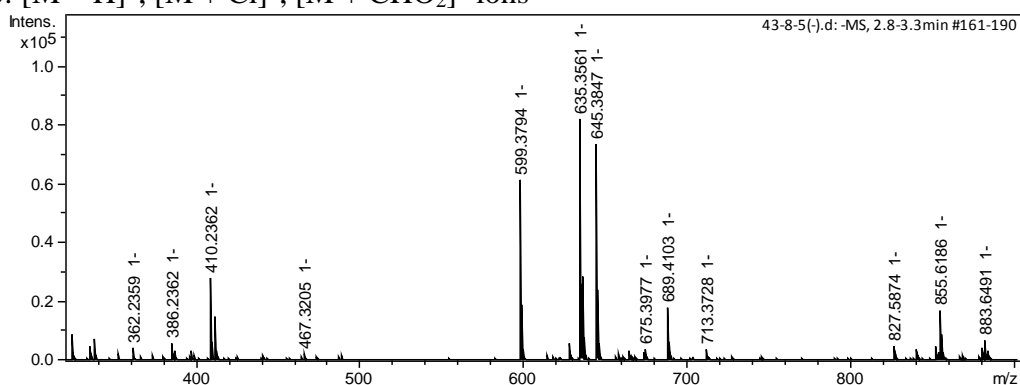


**Figure S28.** ROESY (500.13 MHz, CD<sub>3</sub>OD) spectrum of compound **3**.

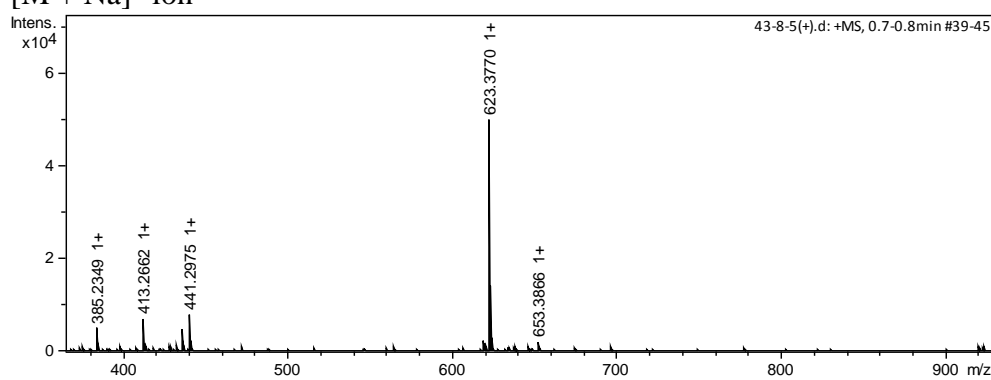


**Figure S29.** HRESIMS and HRESIMS/MS spectra of compound **4**.

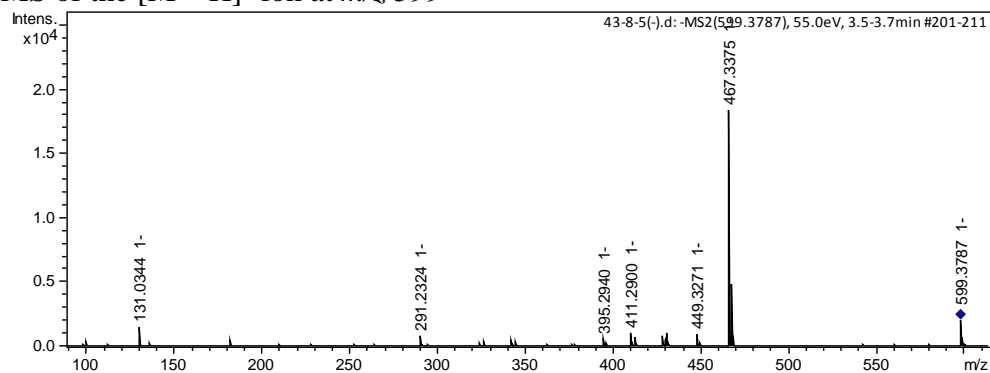
(-)HRESIMS:  $[M - H]^-$ ,  $[M + Cl]^-$ ,  $[M + CHO_2]^-$  ions



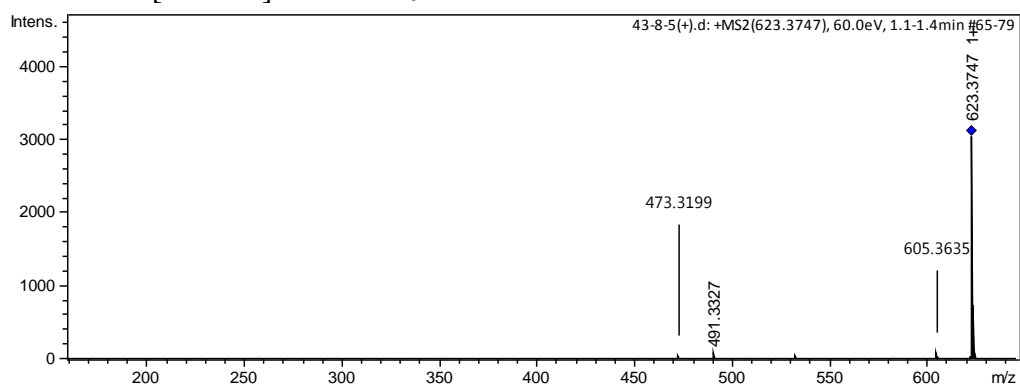
(+)HRESIMS:  $[M + Na]^+$  ion



(-)HRESIMS/MS of the  $[M - H]^-$  ion at m/z 599



(+)HRESIMS/MS of the  $[M + Na]^+$  ion at m/z 623





**Figure S31.**  $^{13}\text{C}$ -NMR (176.04 MHz,  $\text{CD}_3\text{OD}$ ) spectrum of compound **4**.

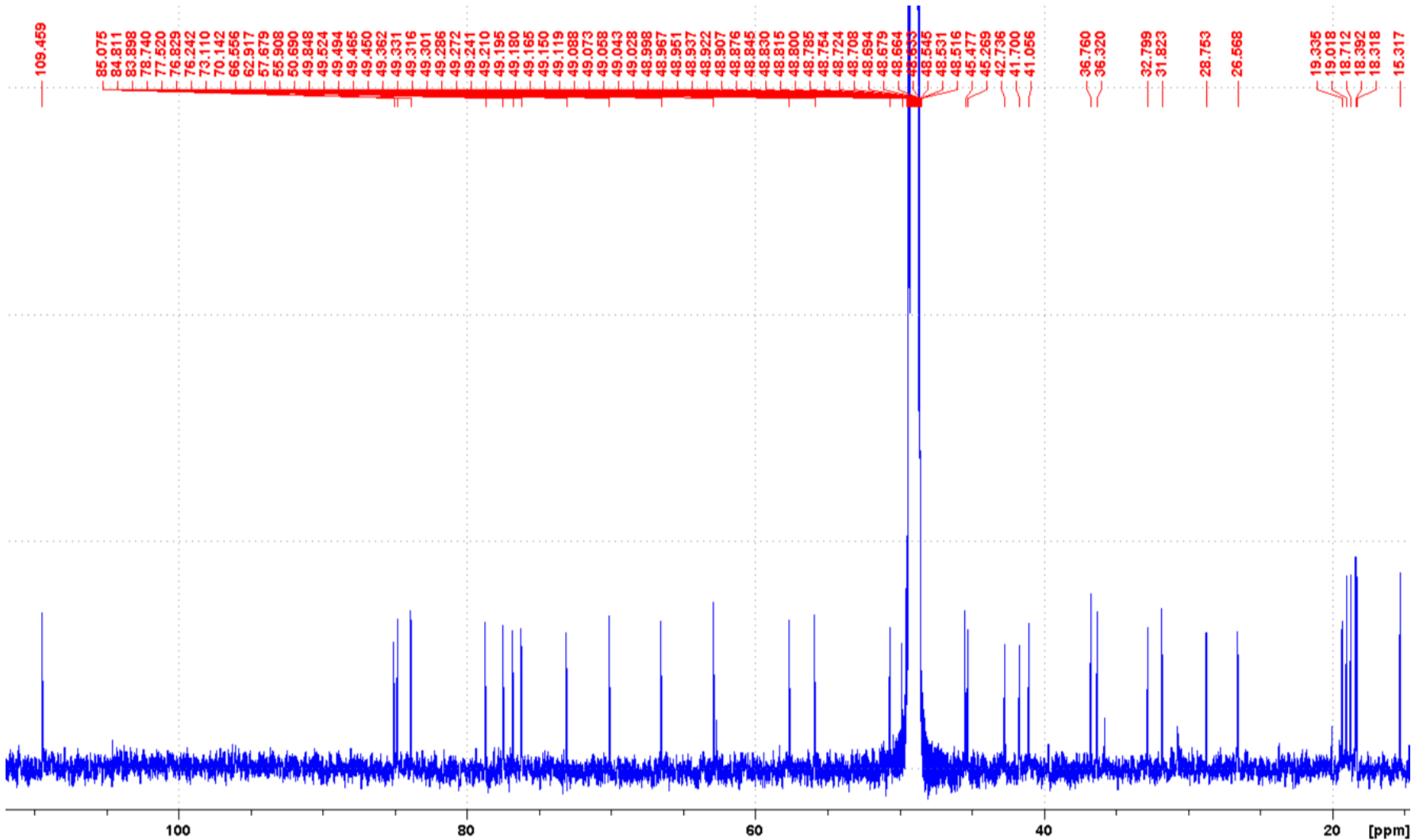
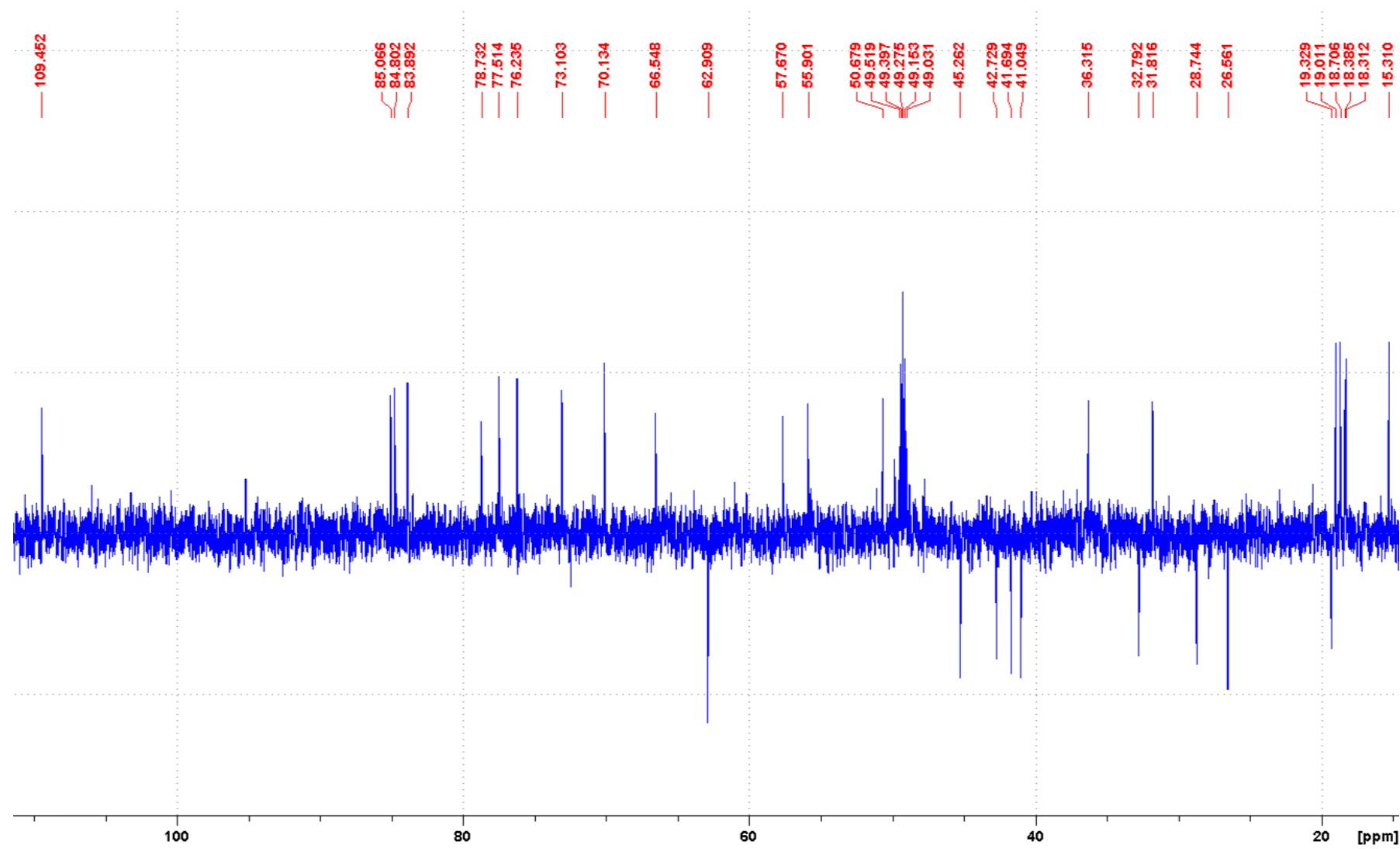
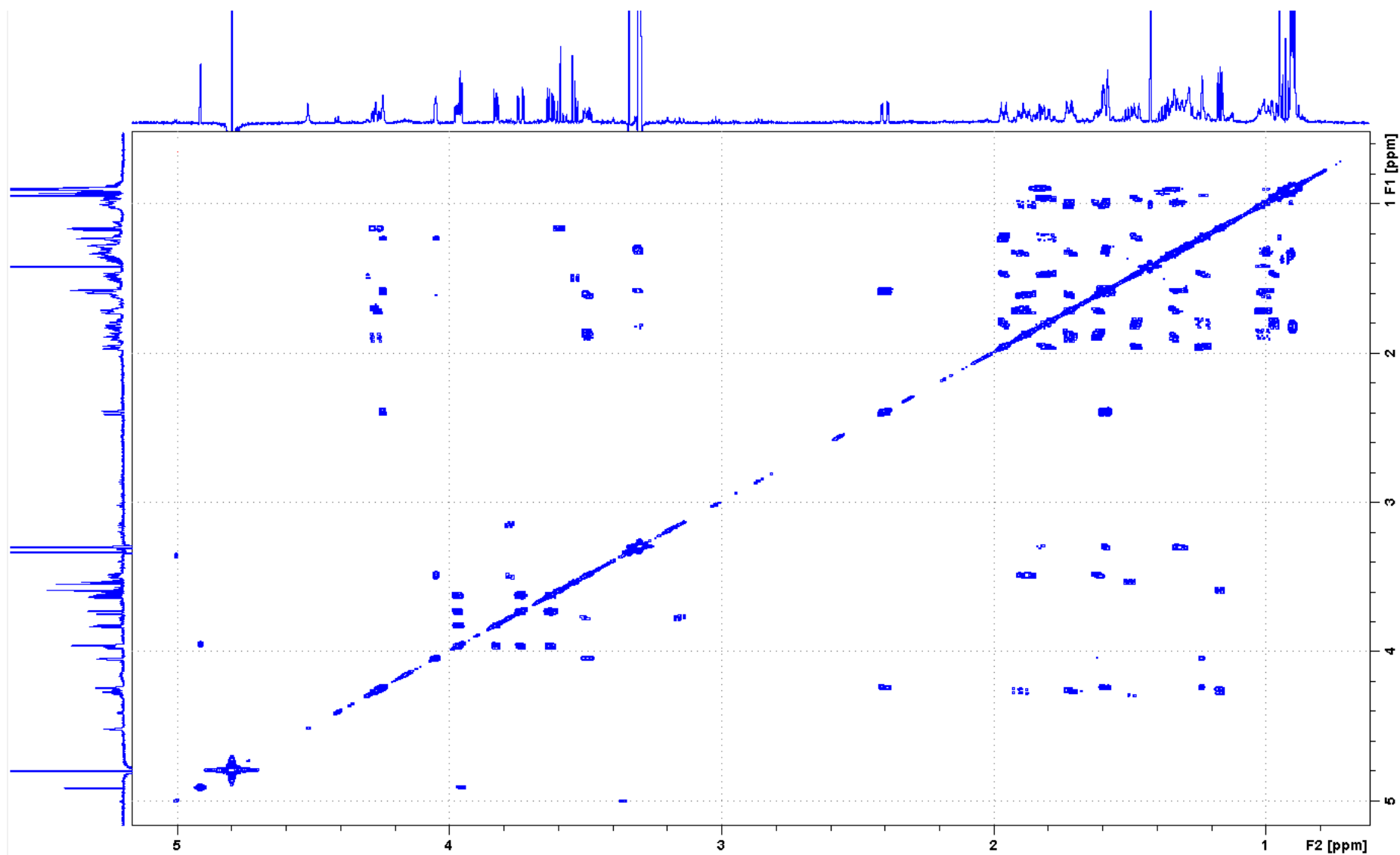


Figure S32. DEPT (176.04 MHz, CD<sub>3</sub>OD) spectrum of compound 4.

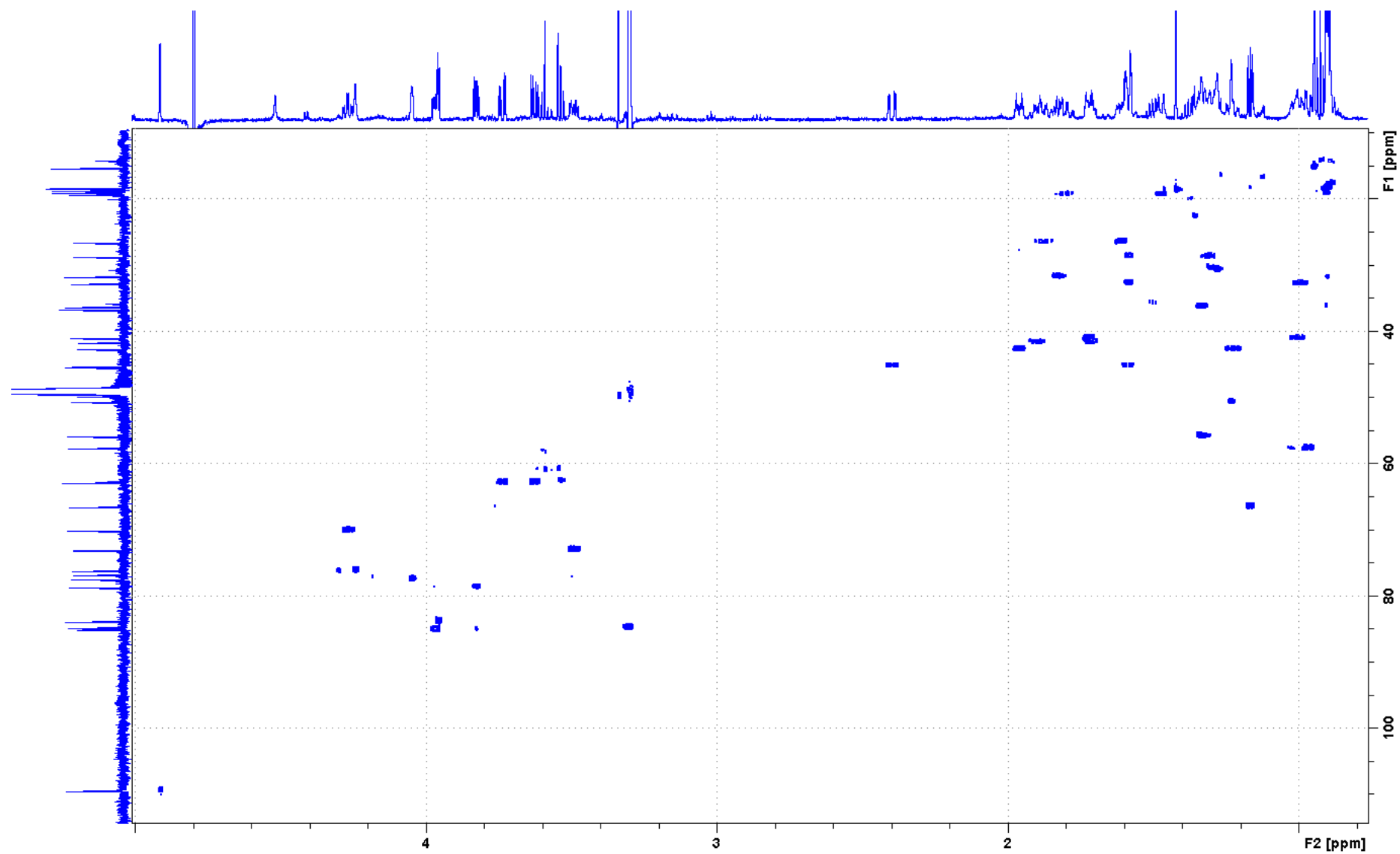




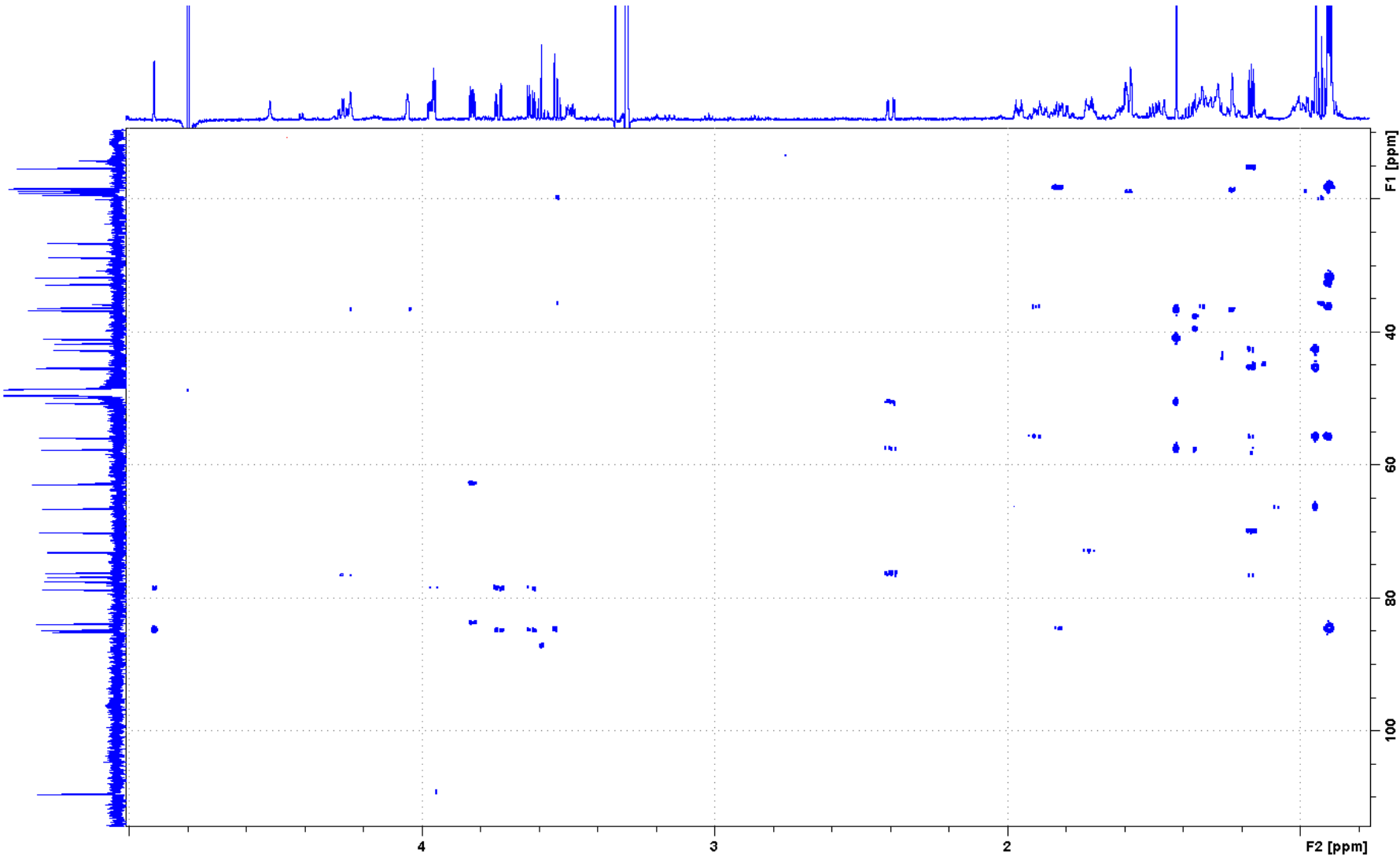
**Figure S33.**  $^1\text{H}$ - $^1\text{H}$  COSY (700.13 MHz,  $\text{CD}_3\text{OD}$ ) spectrum of compound **4**.



**Figure S34.** HSQC (700.13 MHz, CD<sub>3</sub>OD) spectrum of compound **4**.



**Figure S35.** HMBC (700.13 MHz, CD<sub>3</sub>OD) spectrum of compound **4**.



**Figure S36.** ROESY (700.13 MHz, CD<sub>3</sub>OD) spectrum of compound **4**.

