Article

Sarcoconvolutums F and G: Polyoxygenated Cembrane-Type Diterpenoids from *Sarcophyton convolutum*, a Red Sea Soft Coral

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Supporting data **Page**

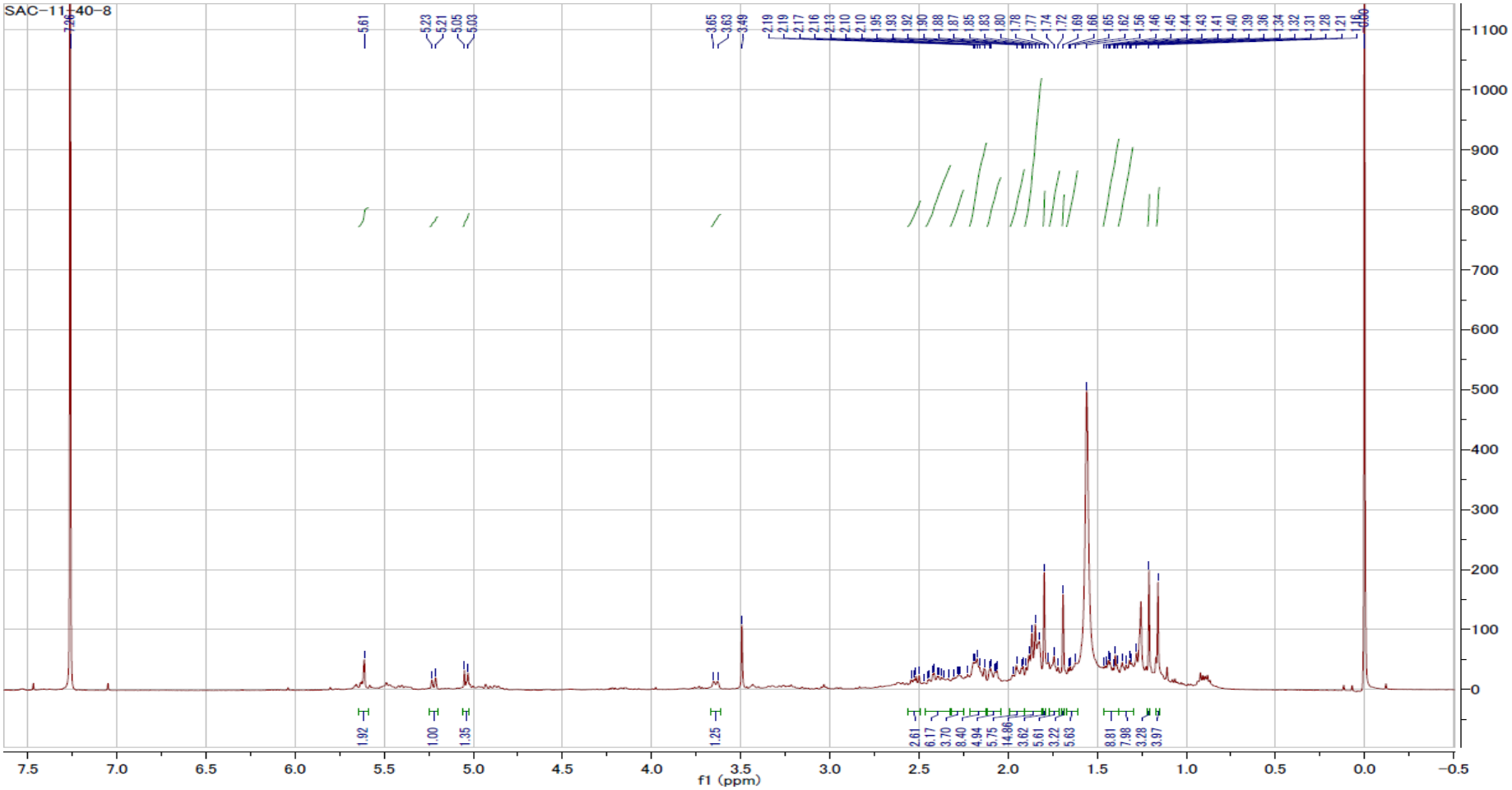

Figure S1. H NMR (CDCl3, 500 MHz) of **1.**

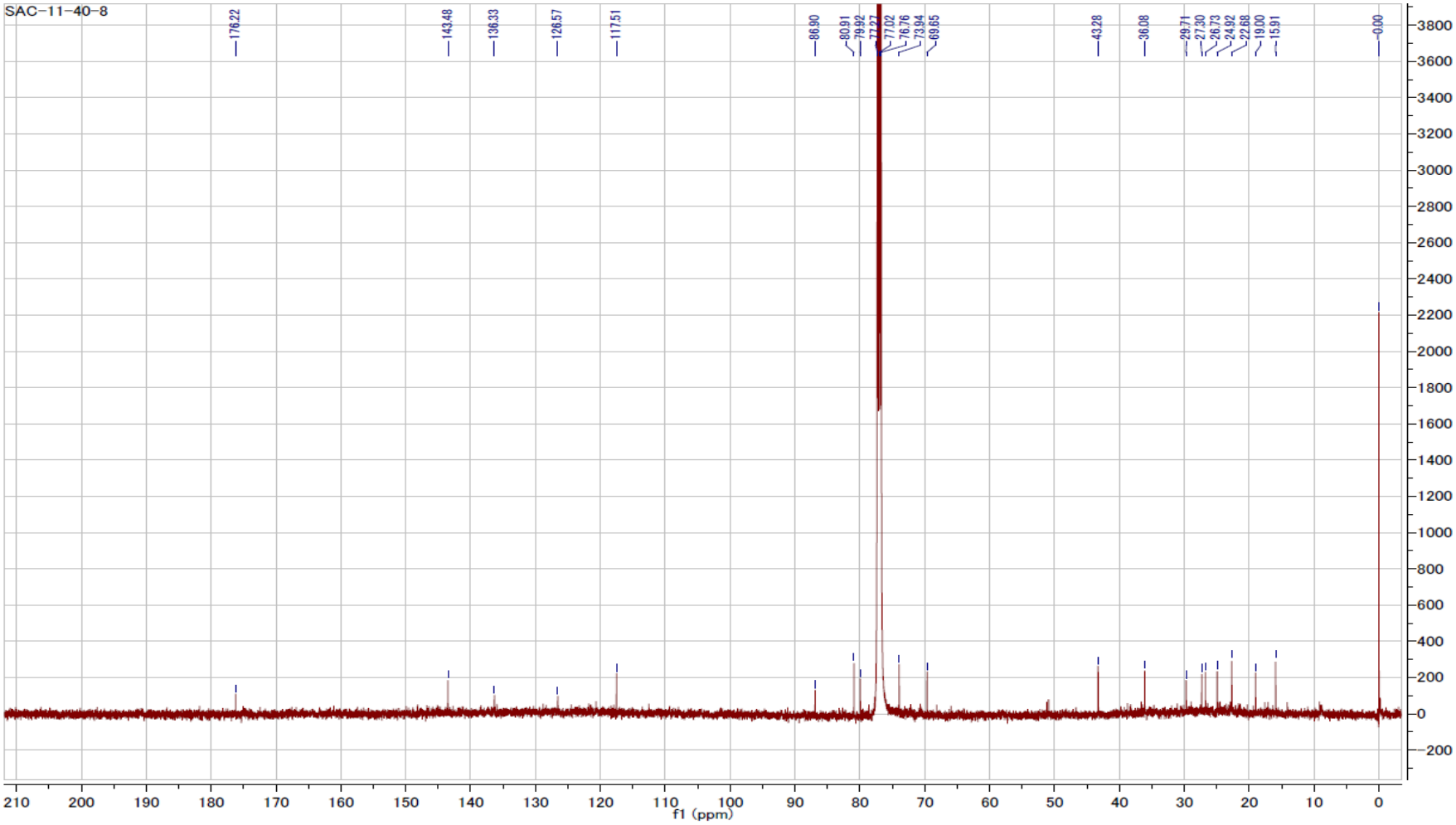

Figure S2. C NMR (CDCl3, 125 MHz) of **1.**

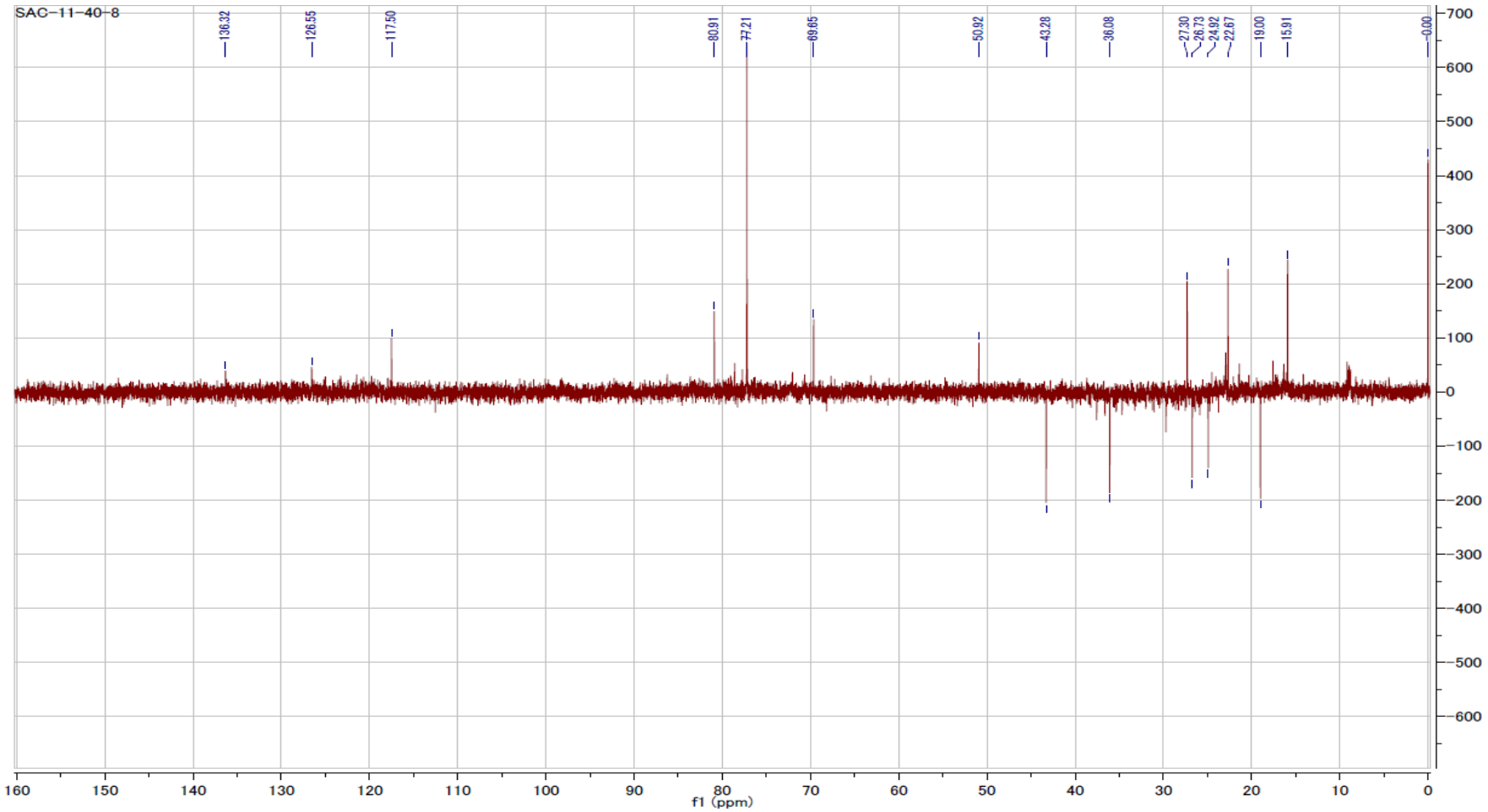

Figure S3. DEPT of **1.**

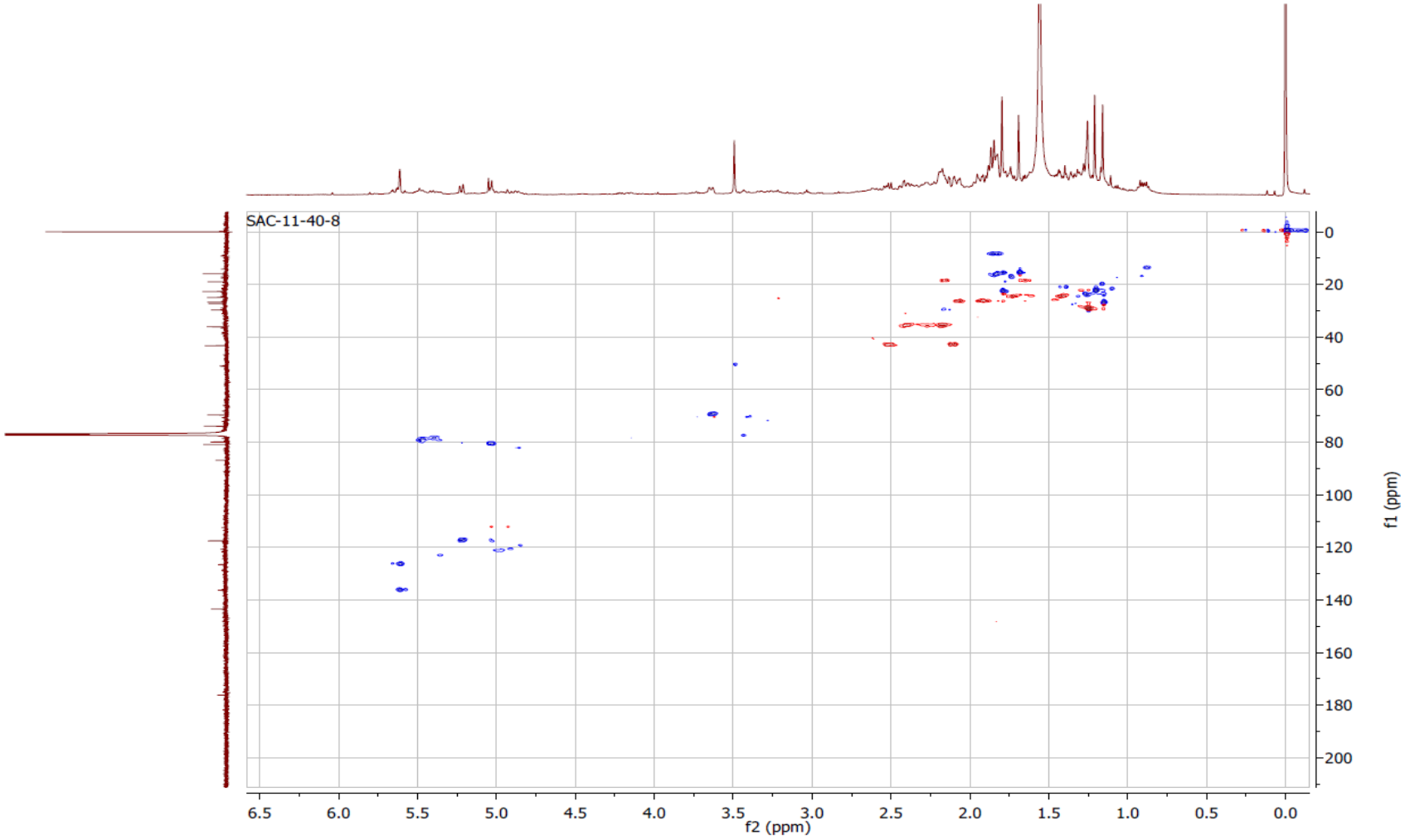

Figure S4. HSQC of **1.**

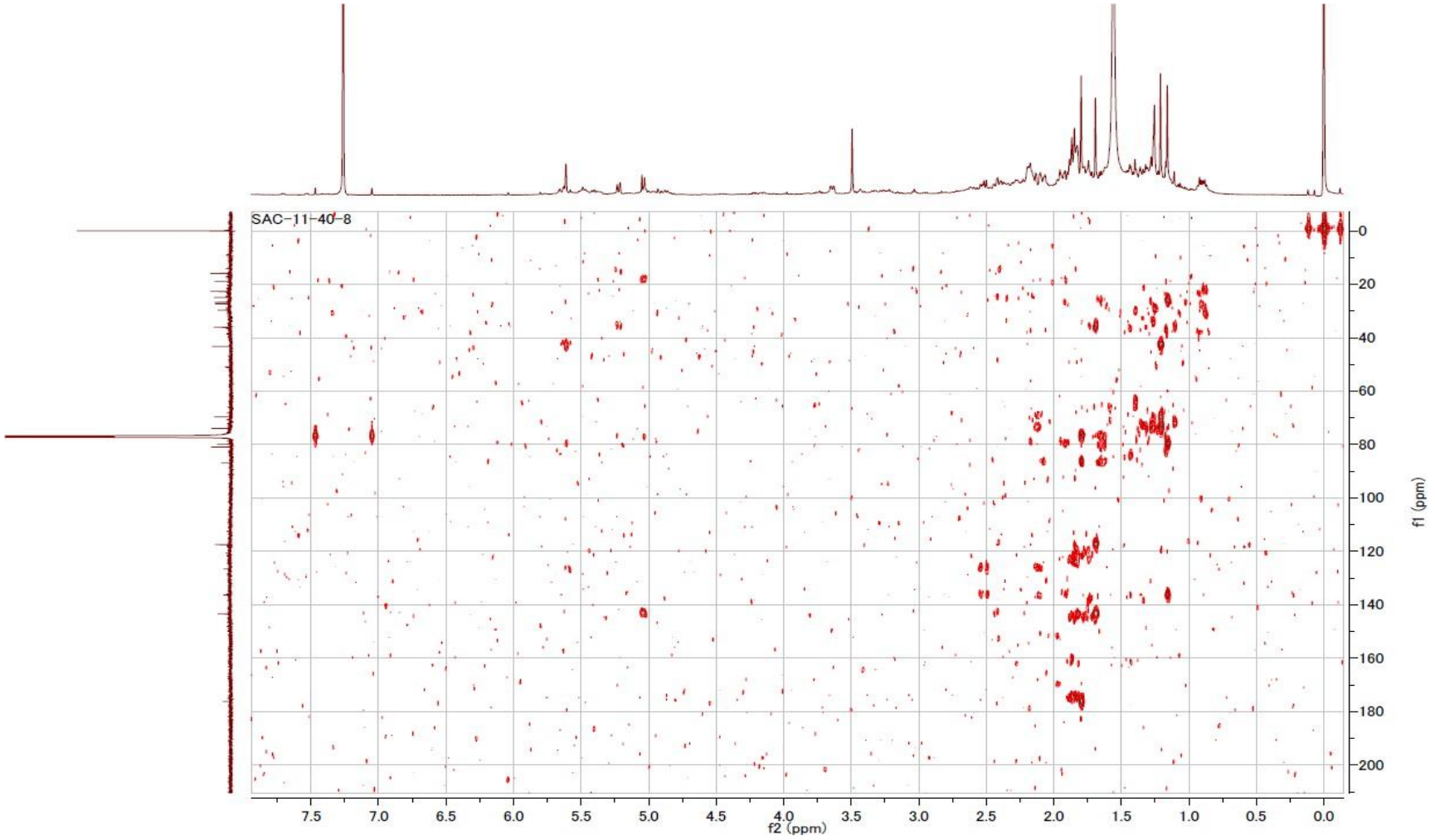

Figure S5. HMBC of **1.**

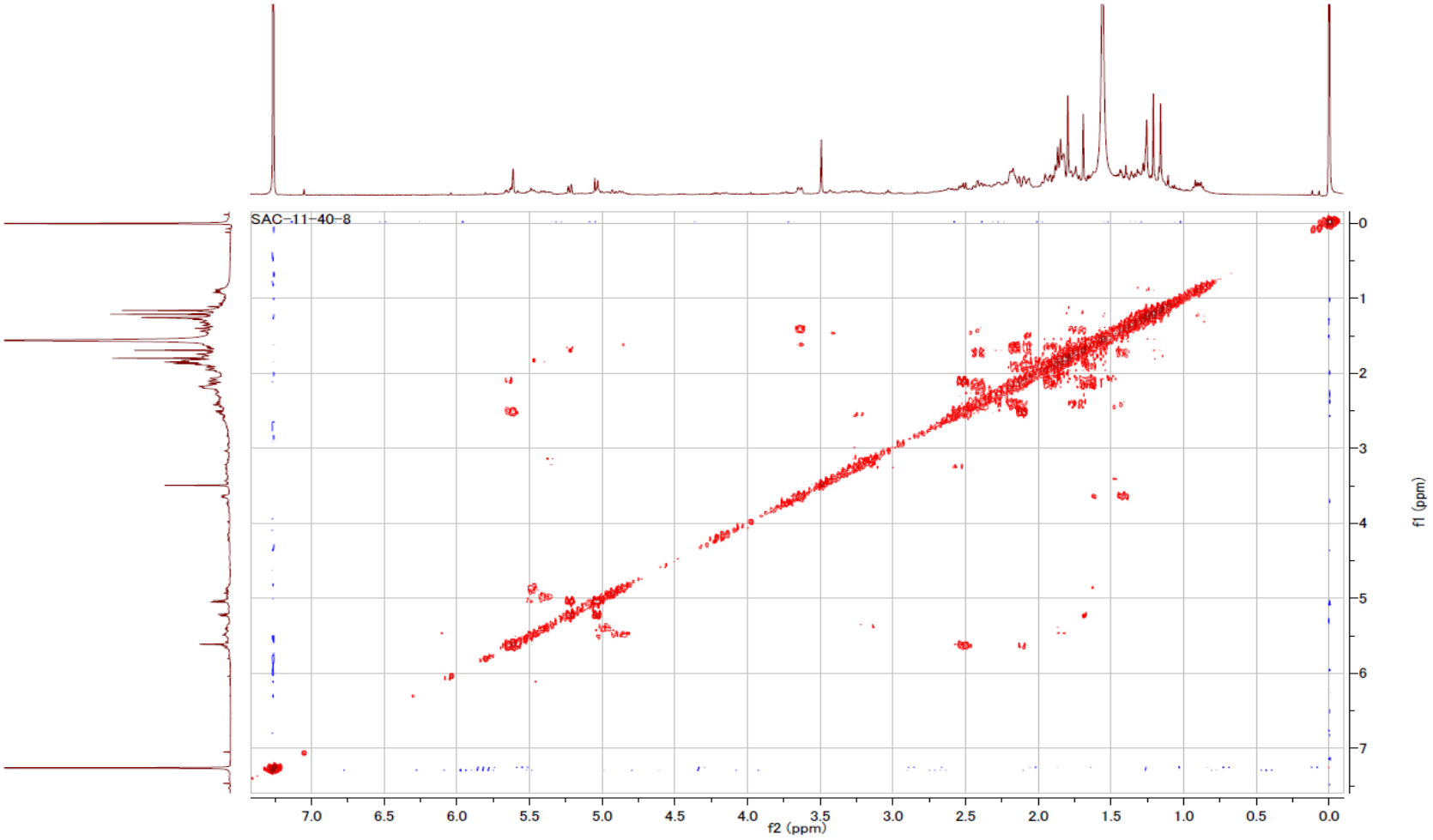

Figure S6. ^{1}H-^{1}H COSY of **1.**

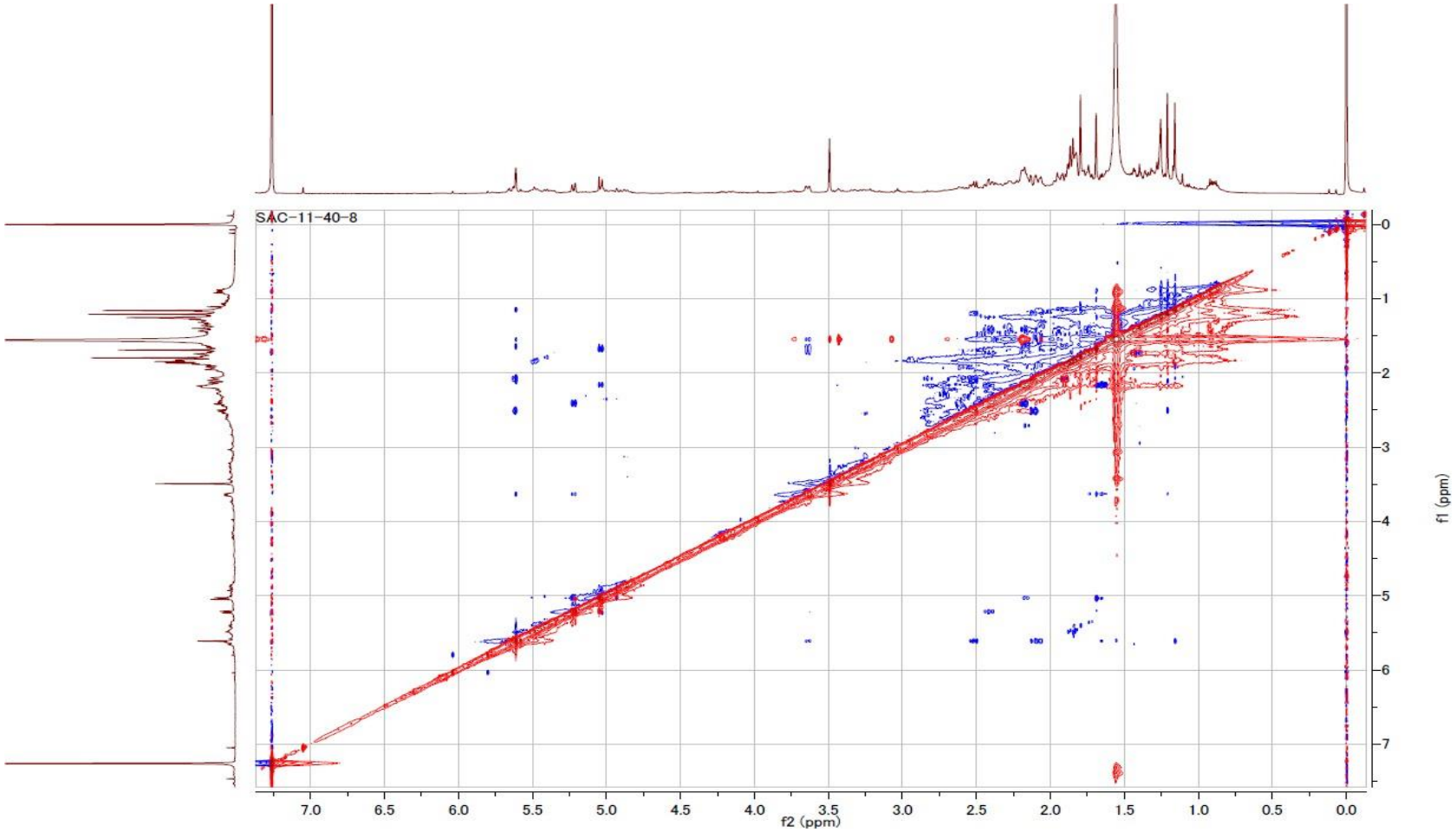

Figure S7. NOESY of **1.**

Data: Umeyama-CIHR. 07-Aug-2019.004 Date: 07-Aug-2019 17:02
Instrument: MStation

Sample: SAS-11-40-8

Note: MStation
Inlet: Direct Ion Mode: CI+
RT: 1.04 Scan#: 27
Elements: C 150/0, H 250/0, 50/0
Mass Tolerance: 5mmu
Unsaturation (U.S.): 0.0 – 15.0

	Observed *M/Z*	Int. %	Err. [ppm / mmu]	U.S.	Composition
1	400.2094	16.23	- 0.8 / -0.3	1.5	C20 H32 O8

Figure S8. HRCI/mas of **1.**

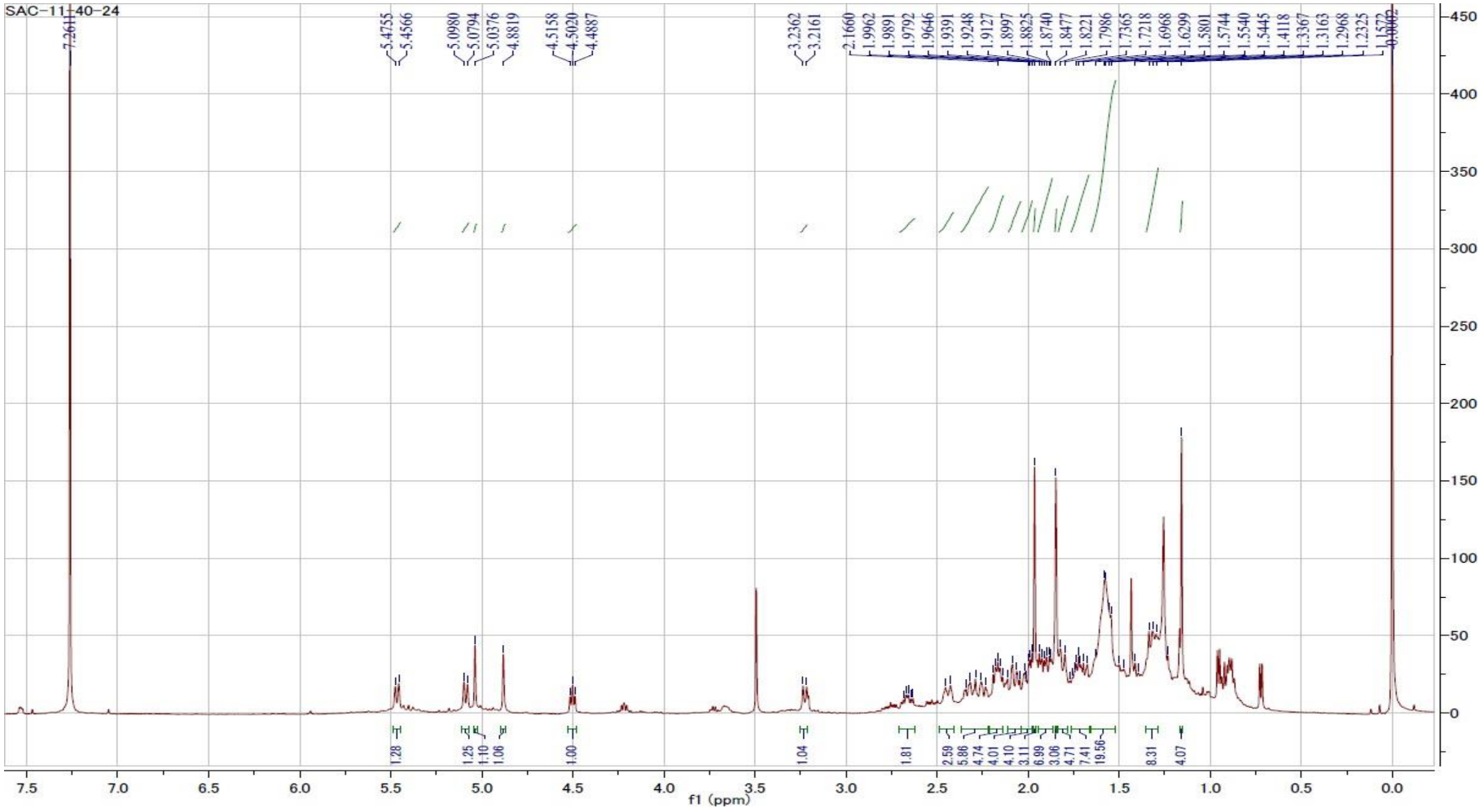

Figure S9. H NMR (CDCl3, 500 MHz) of **2.**

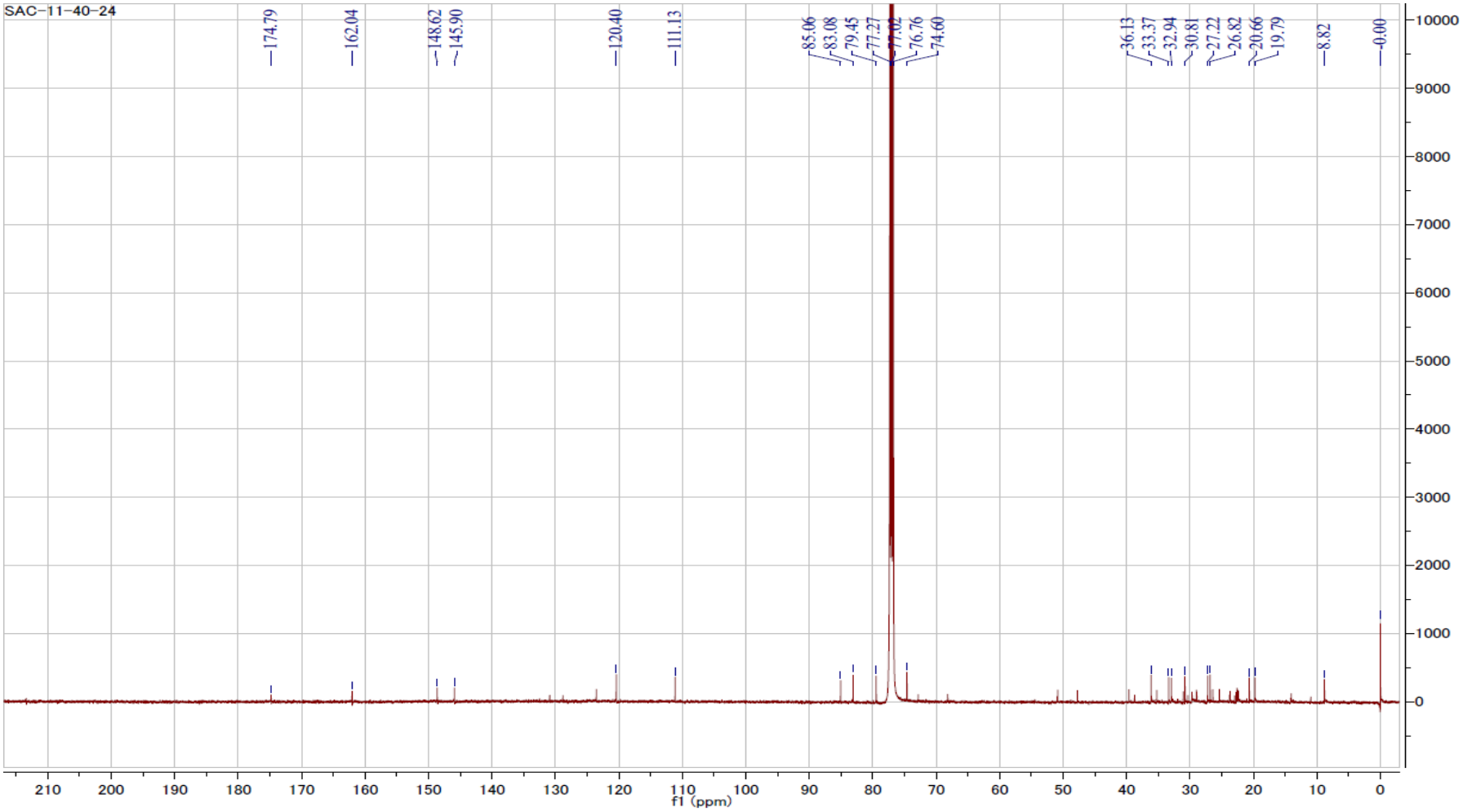

Figure S10. C NMR (CDCl3, 125 MHz) of **2.**

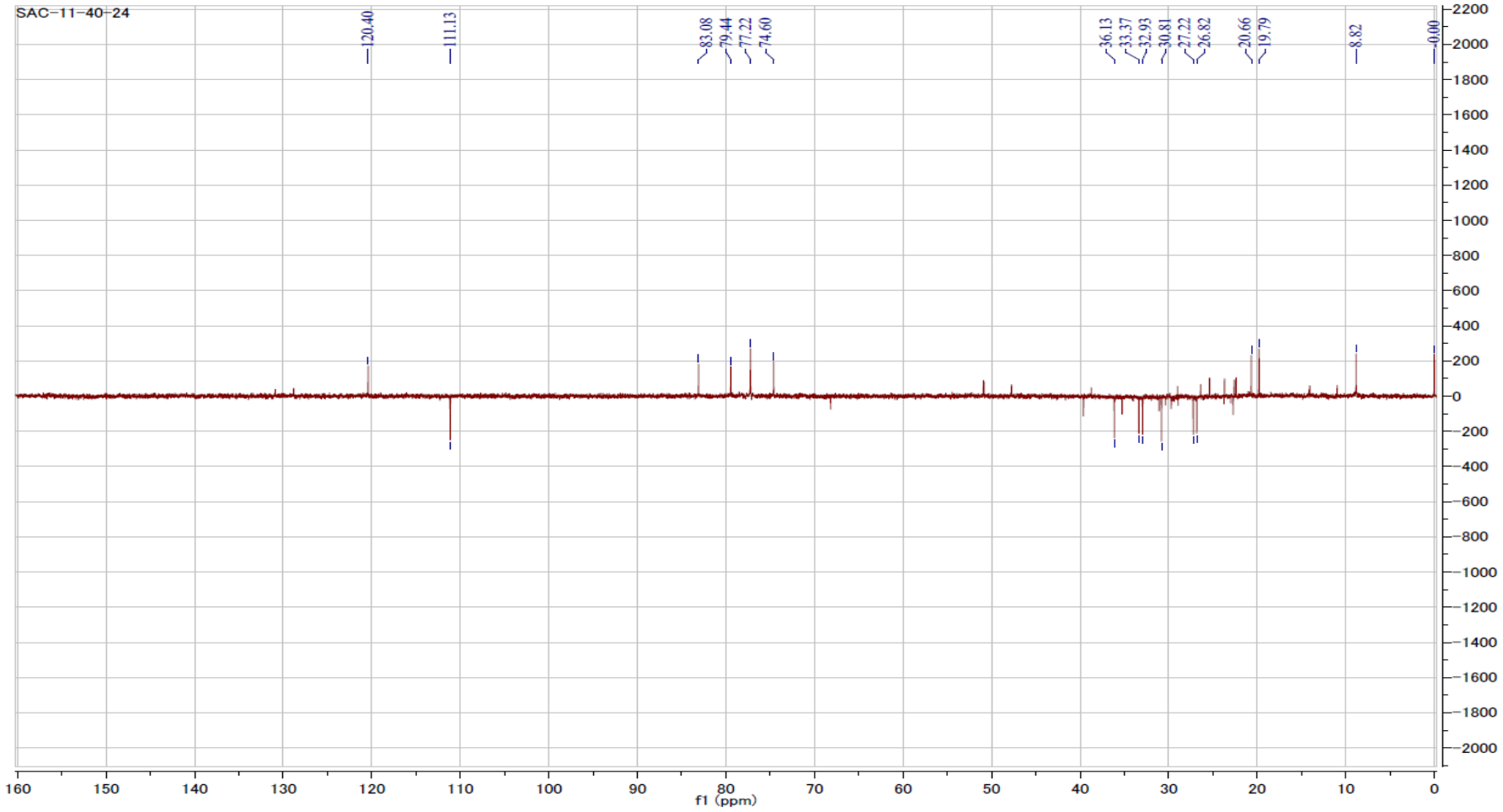

Figure S11. DEPT of **2.**

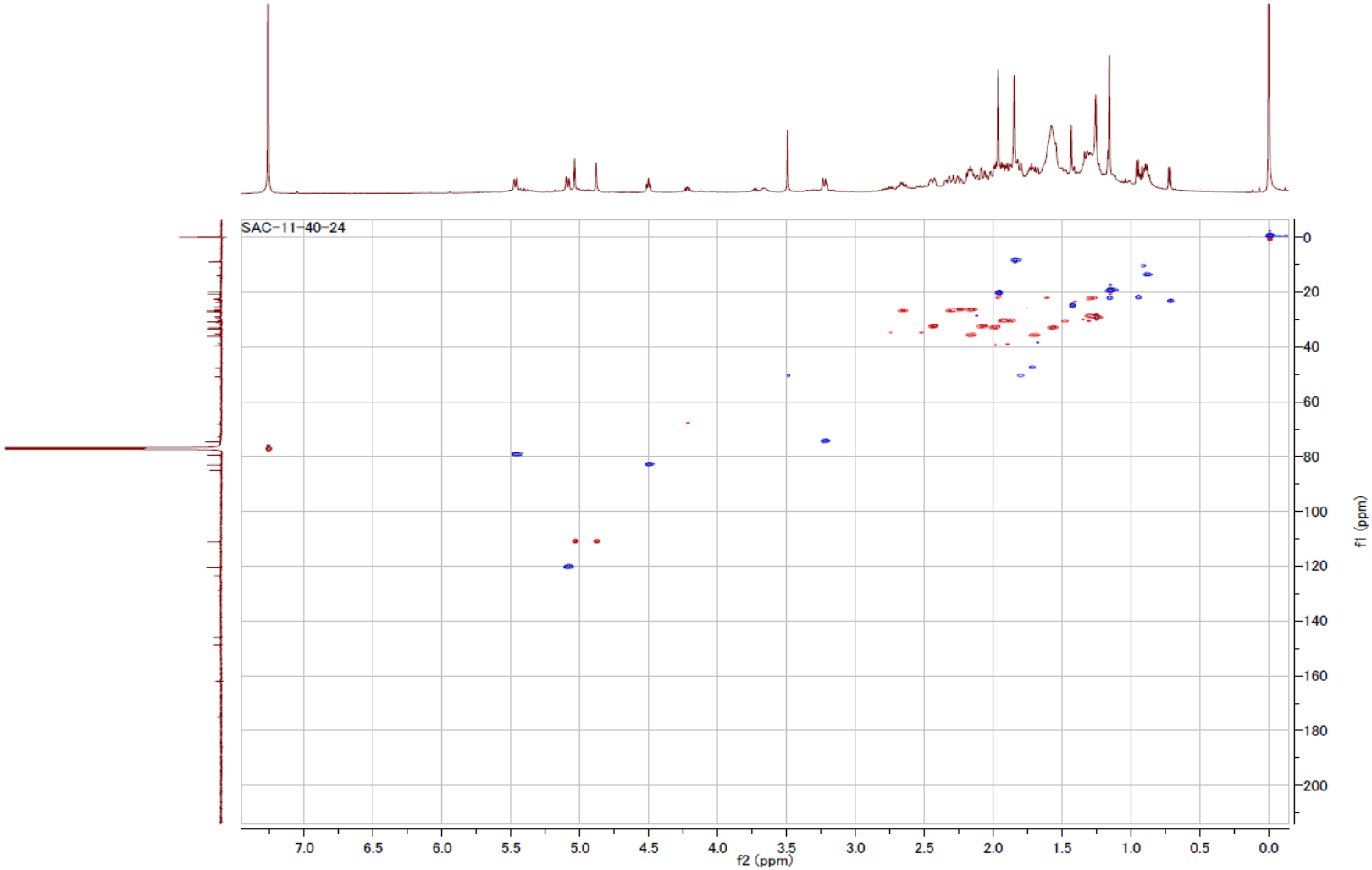

Figure S12. HSQC of **2.**

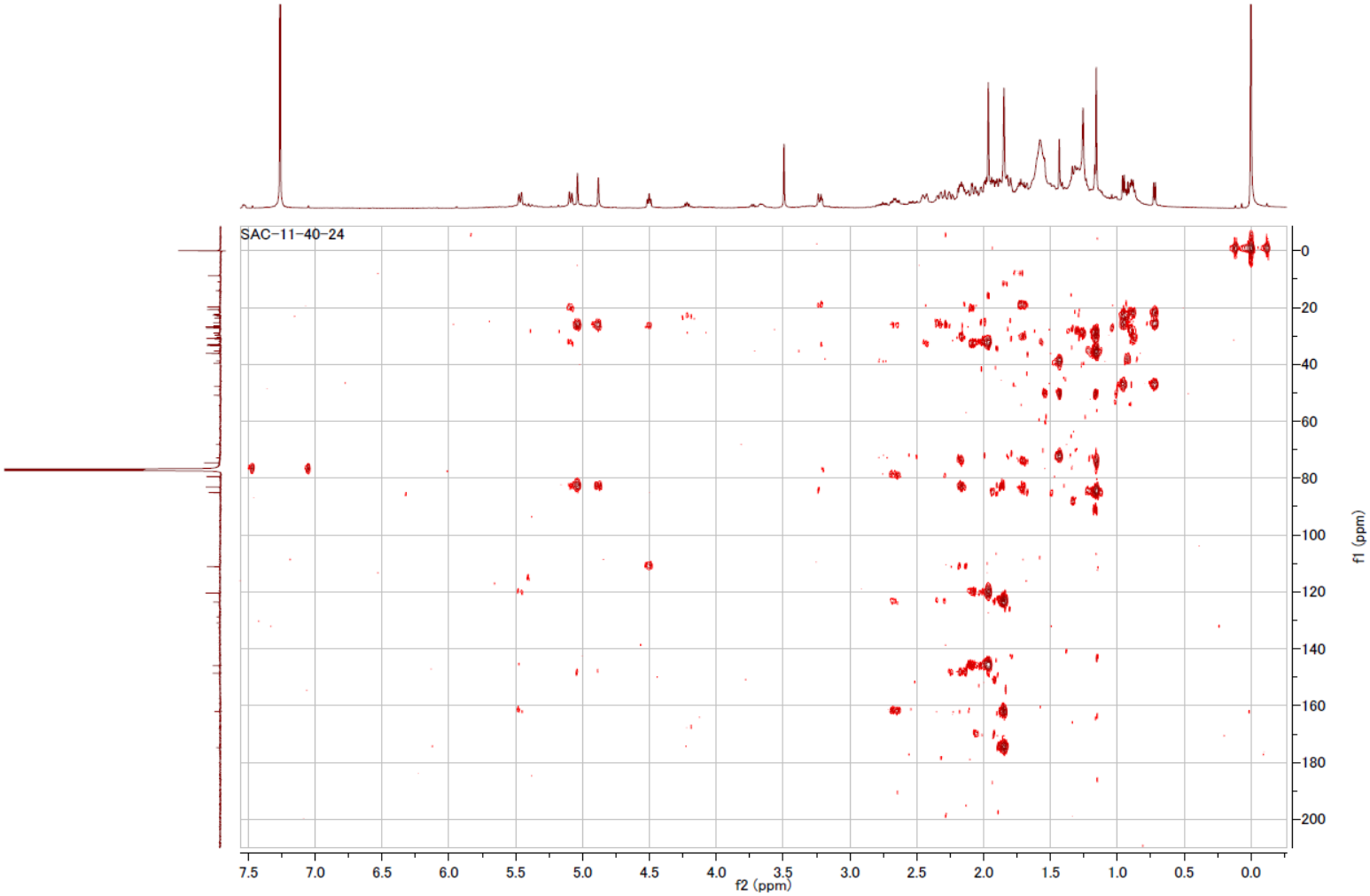

Figure S13. HMBC of **2.**

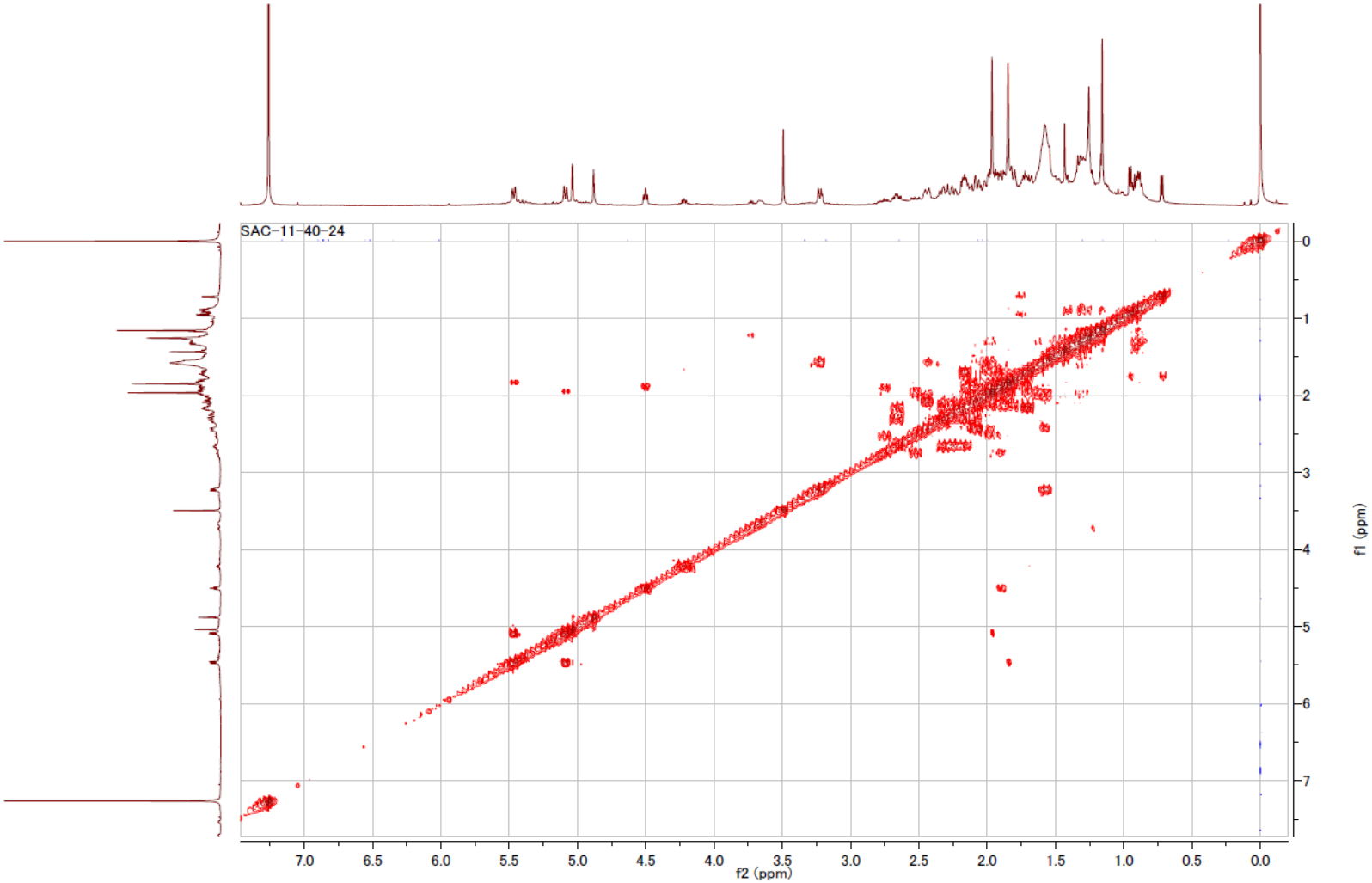

Figure S14. ^{1}H-^{1}H COSY of **2.**

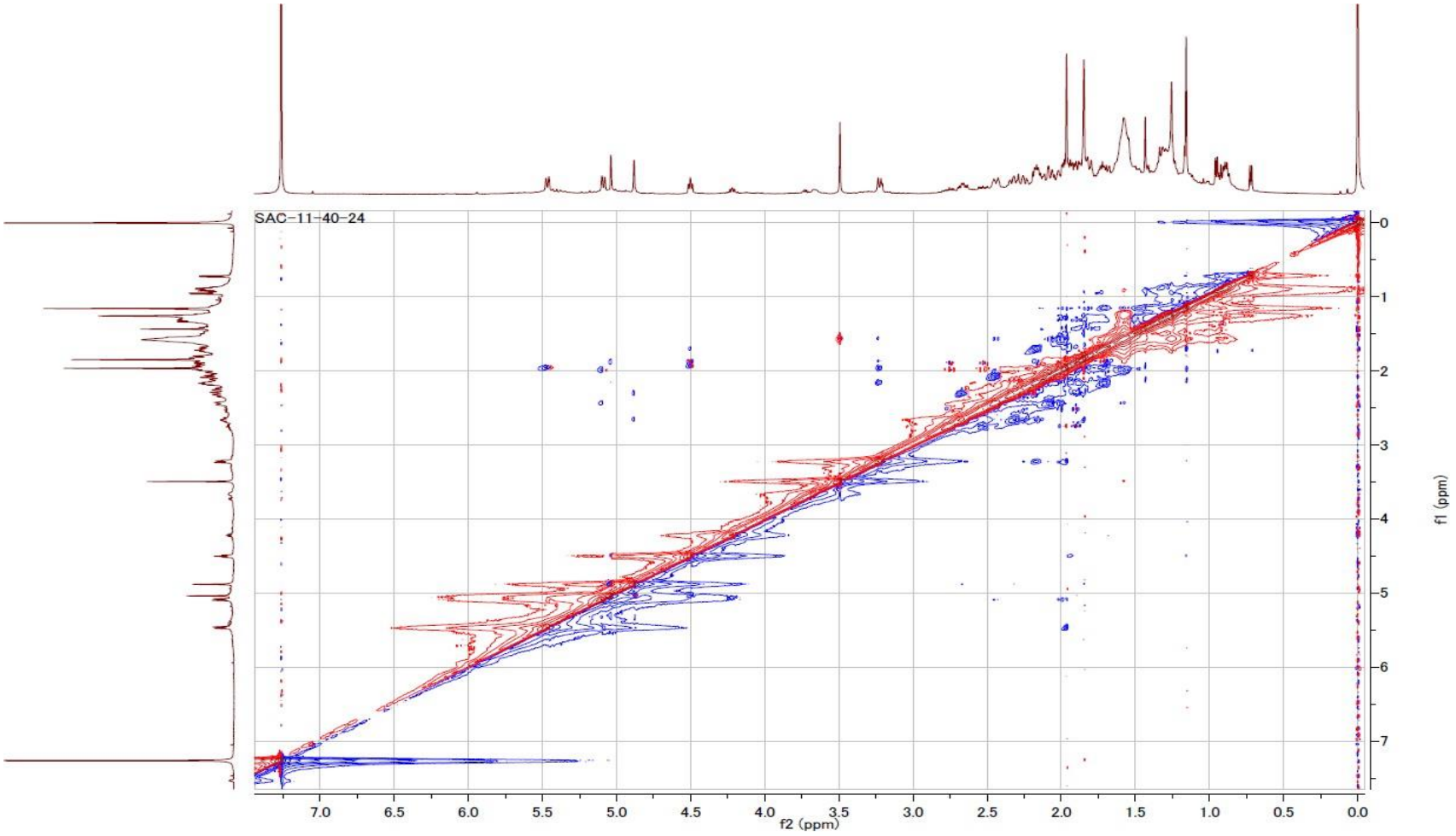

Figure S15. NOESY of **2.**

[Mass Spectrum]
Data : Umeyama-CI.25-Mar-2019.001 Date : 25-Mar-2019 16:17
Sample : SAC-11-40-24(CH4)
Note : MStation
Inlet : Direct Ion Mode : CI+
Spectrum Type : Normal Ion [MF-Linear]
RT : 1.75 min Scan# : 65
BP : m/z 332 Int. : 79.33 (831792)
Output m/z range : 35 to 500 Cut Level : 0.00 %

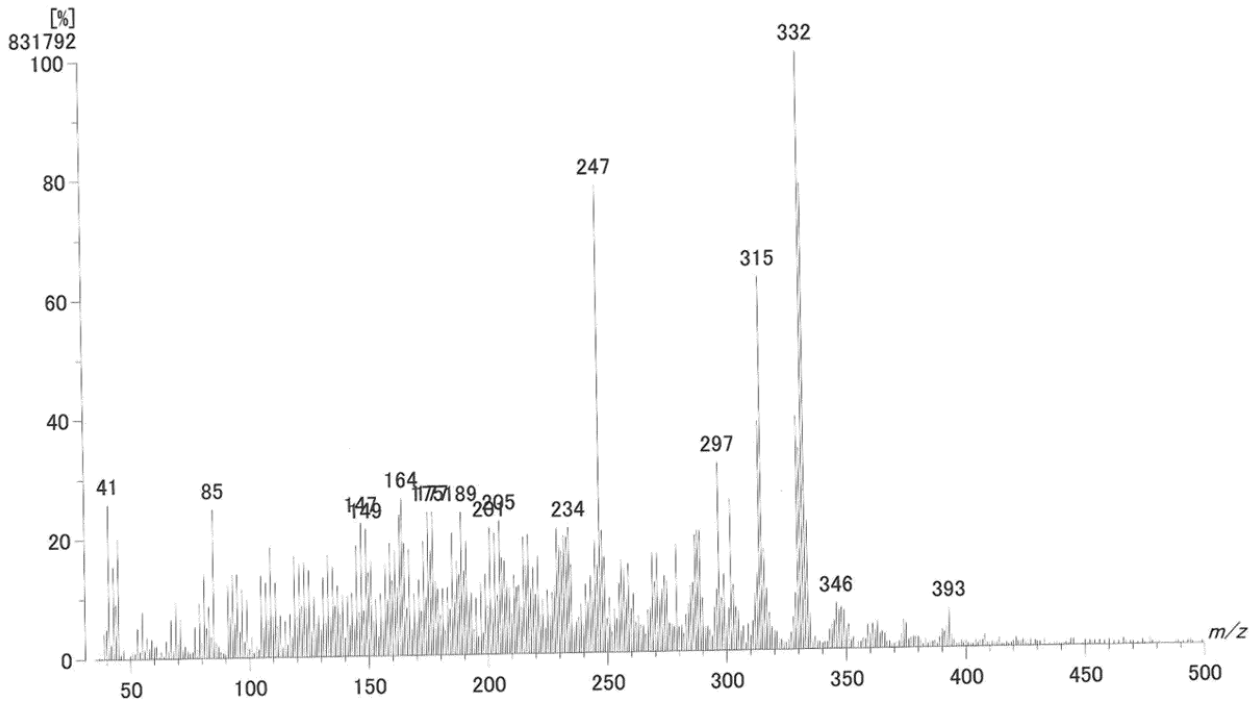

Figure S16. CI/mas of **2.**

Data: Umeyama-EIHR. 27-Mar-2019.003 Date: 27-Mar-2019 08:10
Instrument: MS700D

Sample: SAS-11-40-24

Note: MStation
Inlet: Direct Ion Mode: EI+
RT: 1.68 Scan#: 43
Elements: C 150/0, H 250/0, 50/0
Mass Tolerance: 5mmu
Unsaturation (U.S.): 0.0 - 20

	Observed *M/Z*	Int. %	Err. [ppm / mmu]	U.S.	Composition
1	332.1991	14.53	- 1.1 / -0.7	6.0	C20 H28 O4

Figure 17. HRCI/mas of **2.**

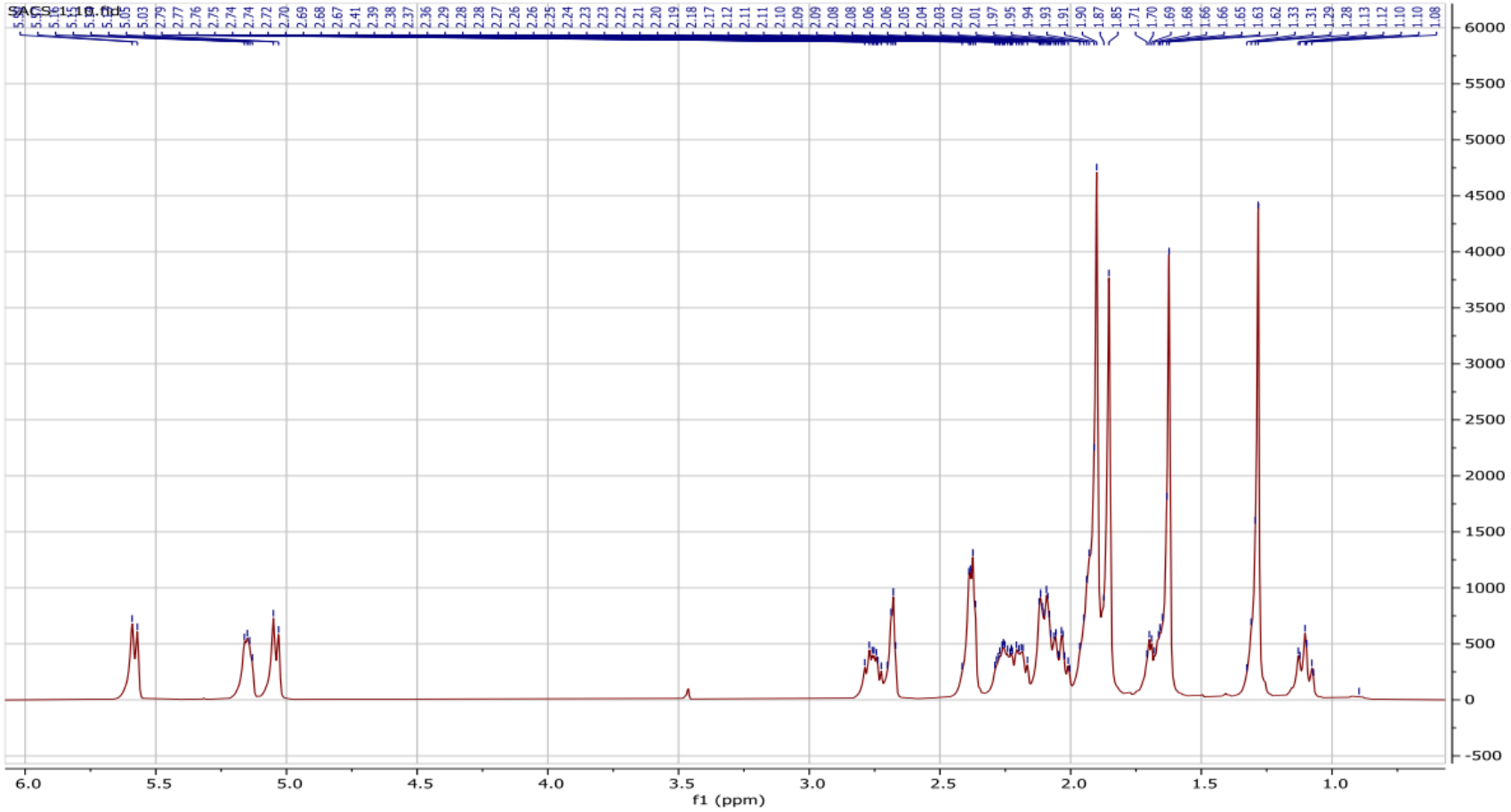

Figure S18. ^{1}H NMR($CDCl_3$, 500 MHz) of **3**.

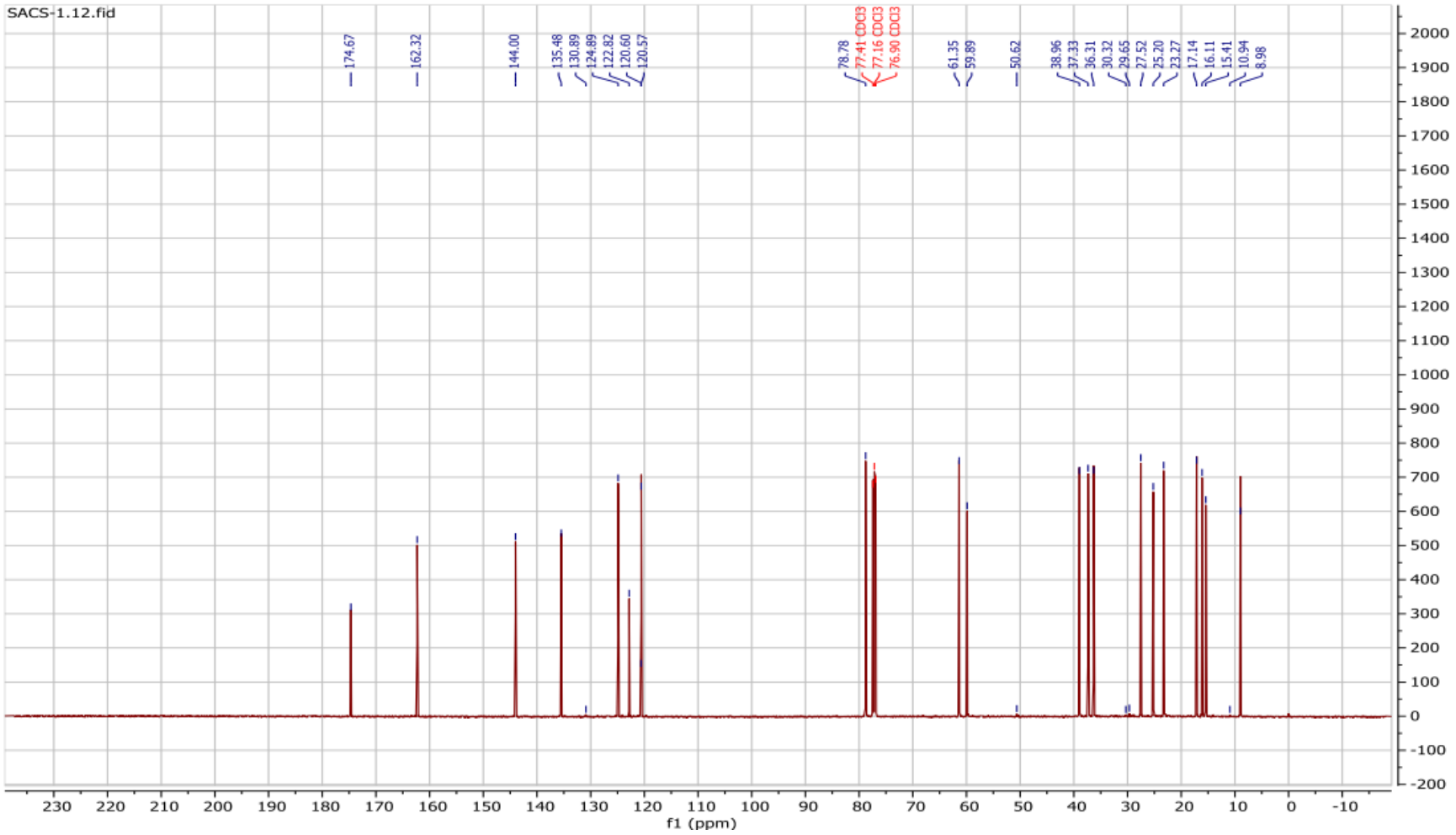

Figure S19. ^{13}C NMR (C_5D_5N, 125 MHz) of **3.**

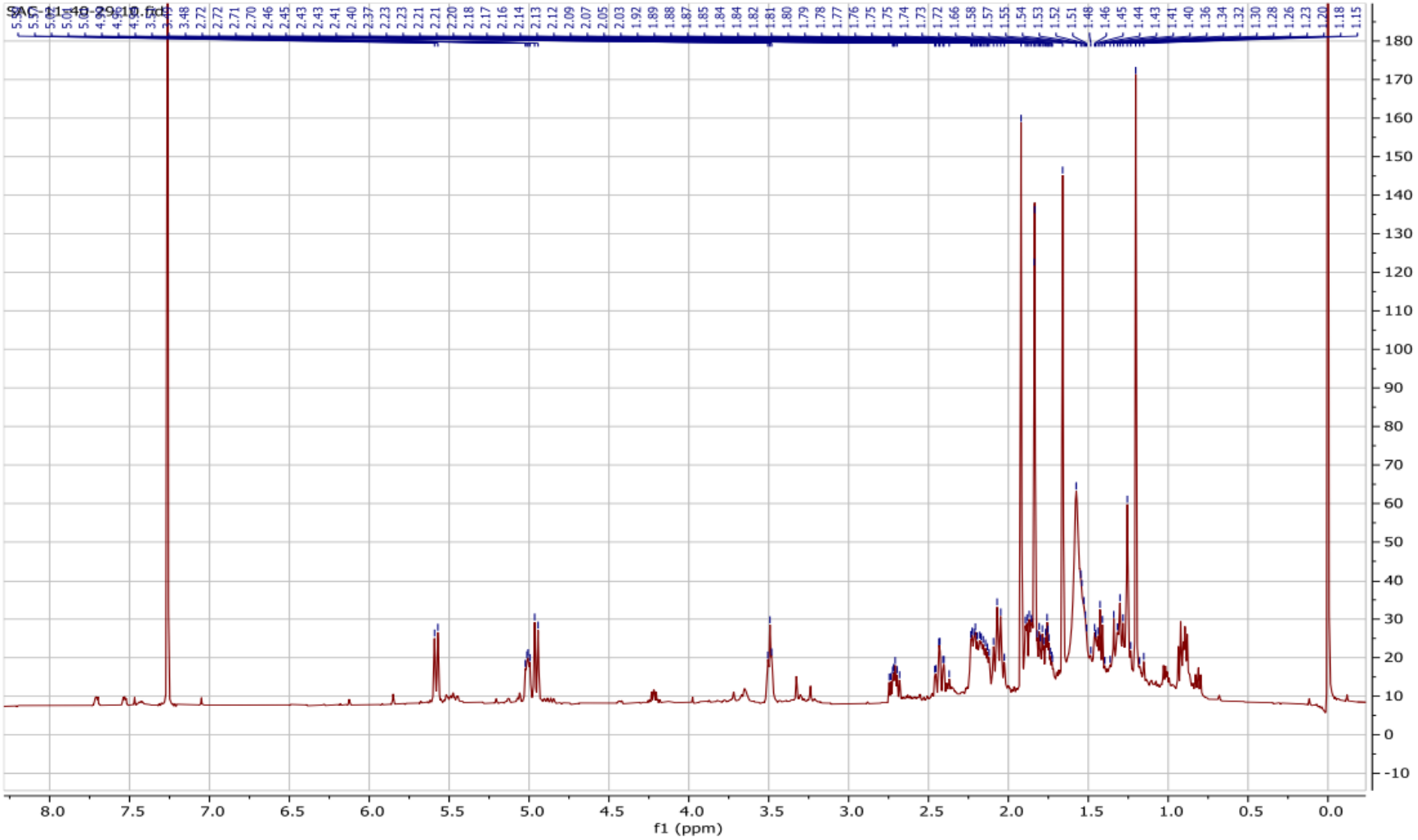

Figure S20. ^{1}H NMR ($CDCl_3$, 500 MHz) of **4.**

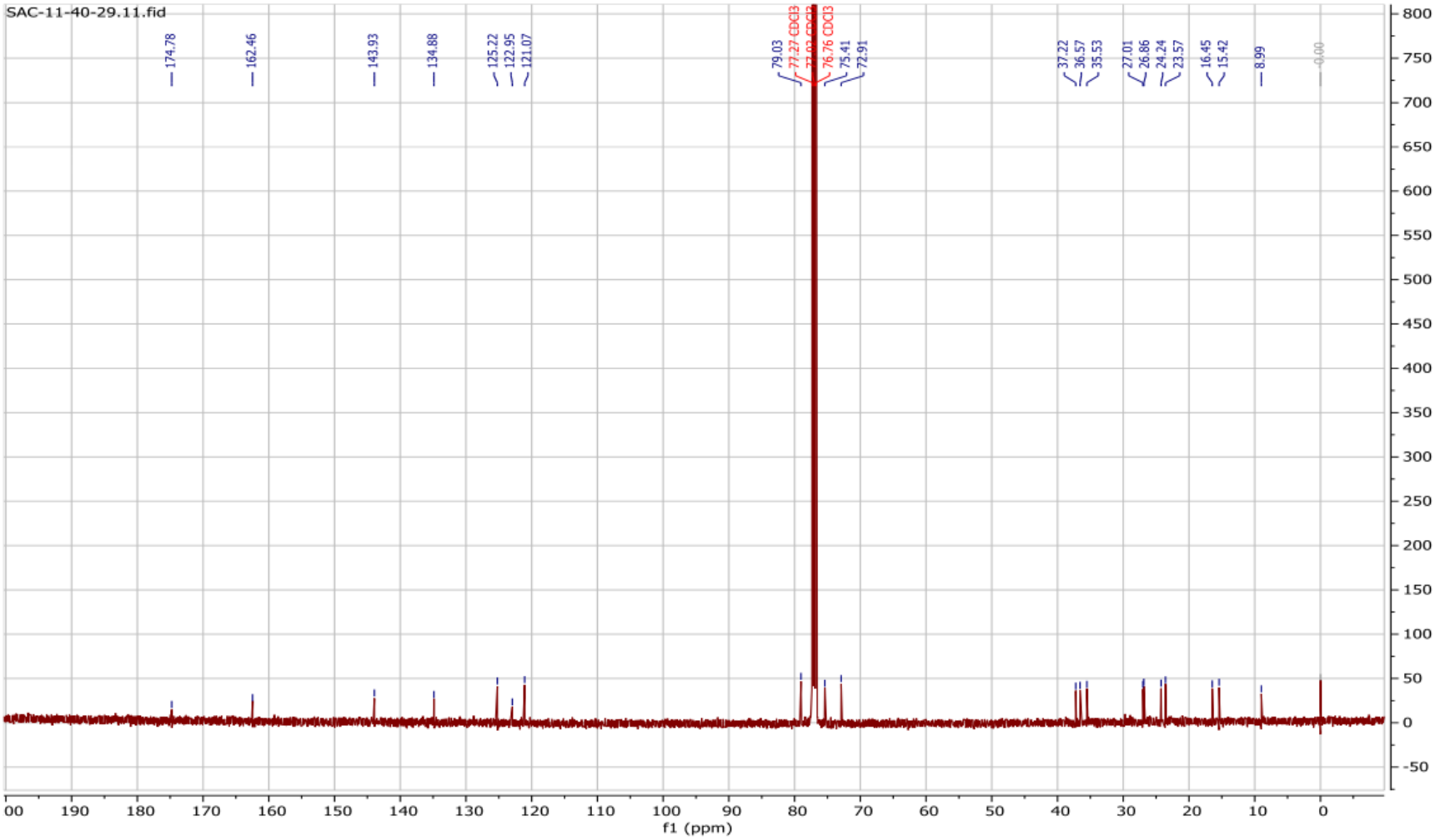

Figure S21. ^{13}C NMR (C_5D_5N, 125 MHz) of **4.**

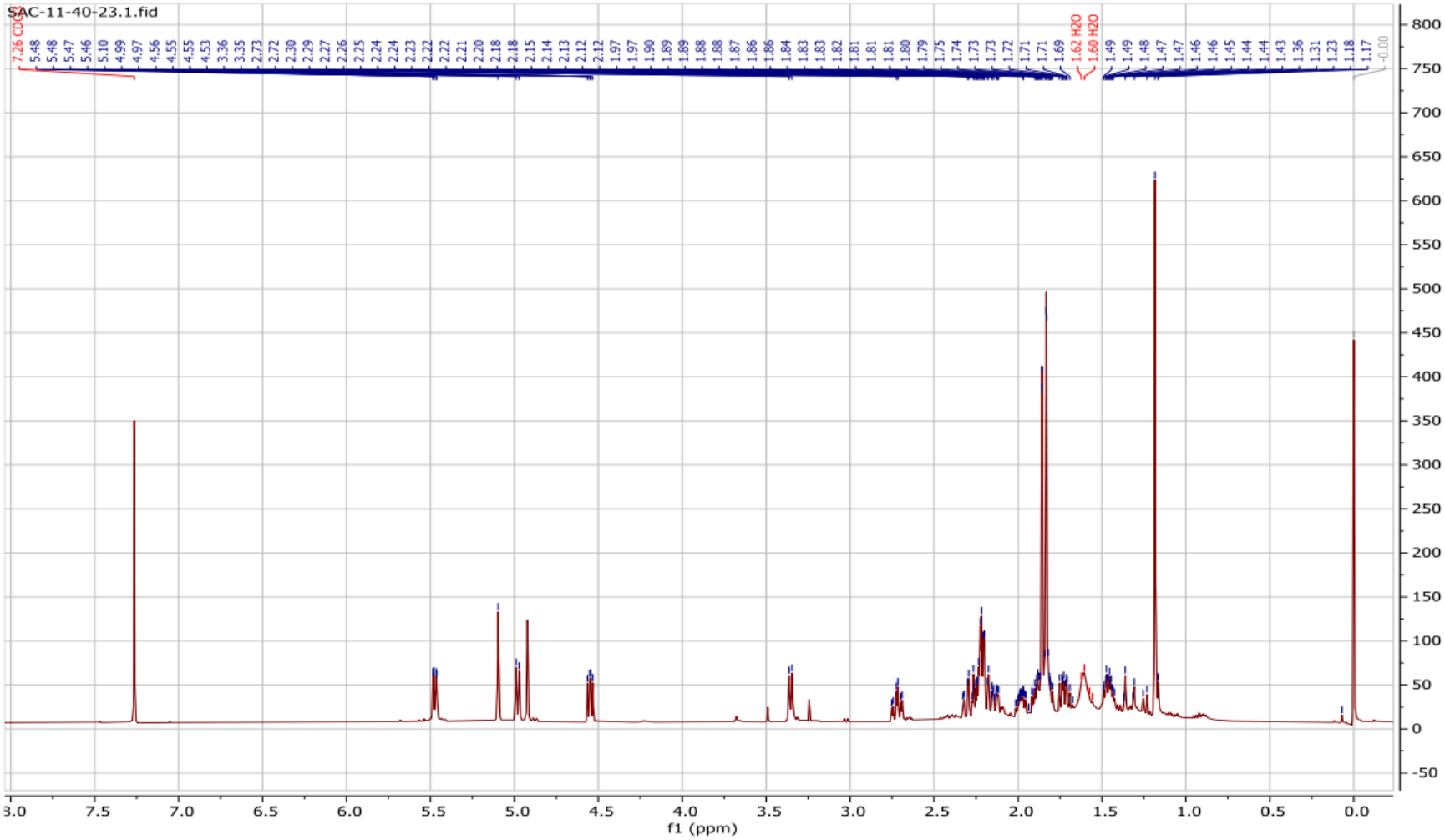

Figure S22. ^{1}H NMR ($CDCl_3$, 500 MHz) of **5.**

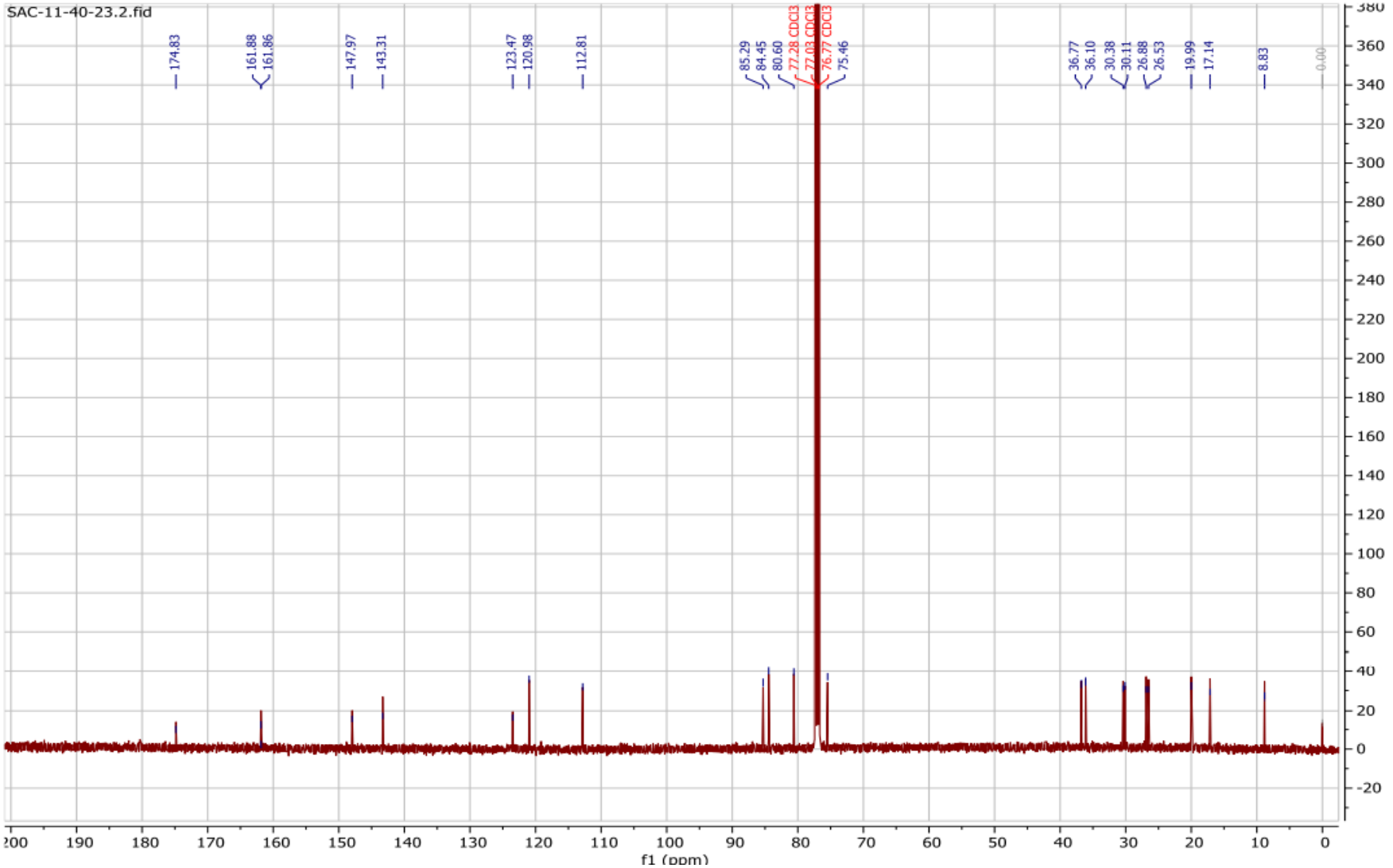

Figure S23. ^{13}C NMR (C_5D_5N, 125 MHz) of **5**.

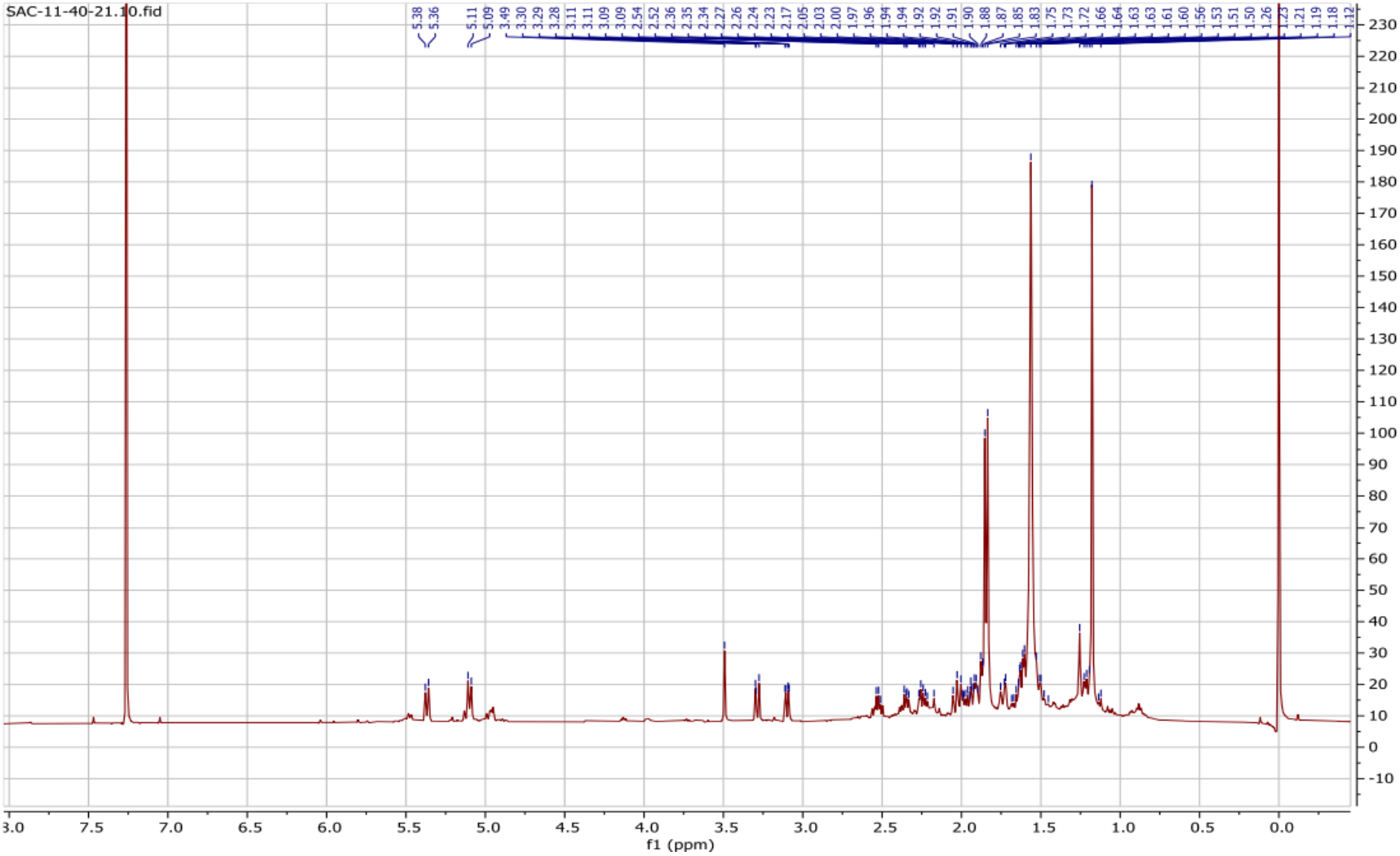

Figure S24. ^{1}H NMR ($CDCl_3$, 500 MHz) of **6**.

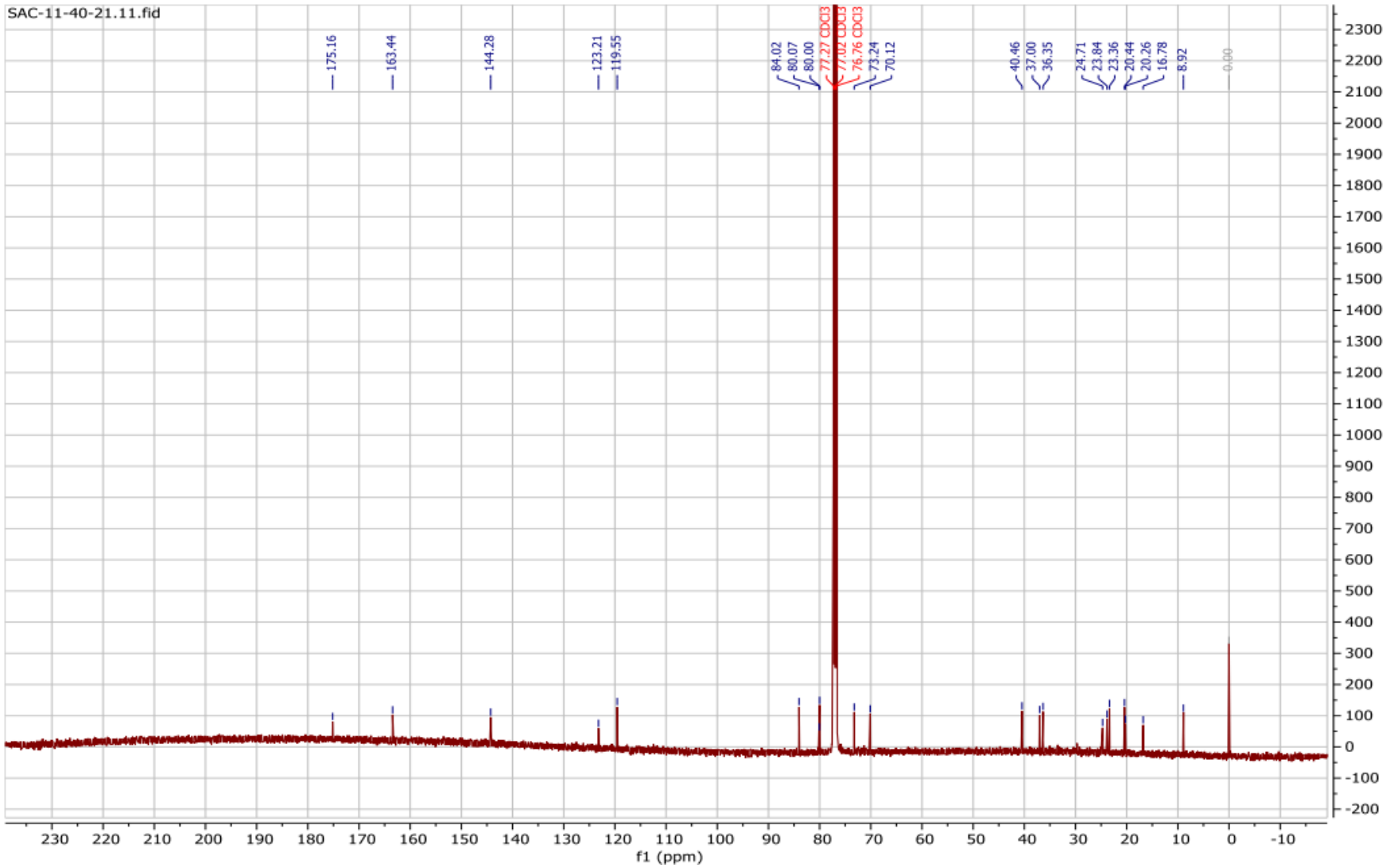

Figure S25. ^{13}C NMR (C_5D_5N, 125 MHz) of **6.**

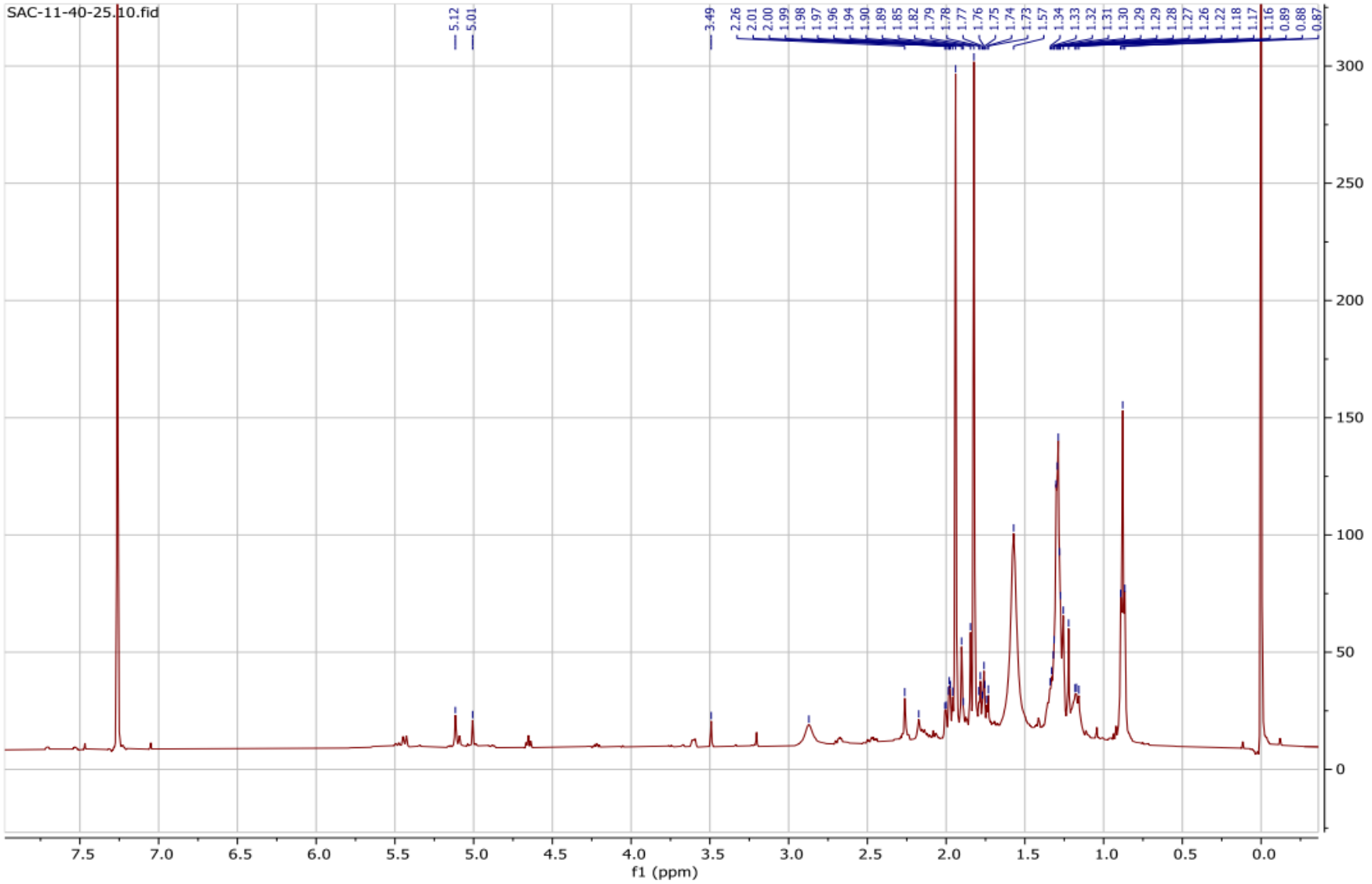

Figure S26. ^{1}H NMR ($CDCl_3$, 500 MHz) of **7.**

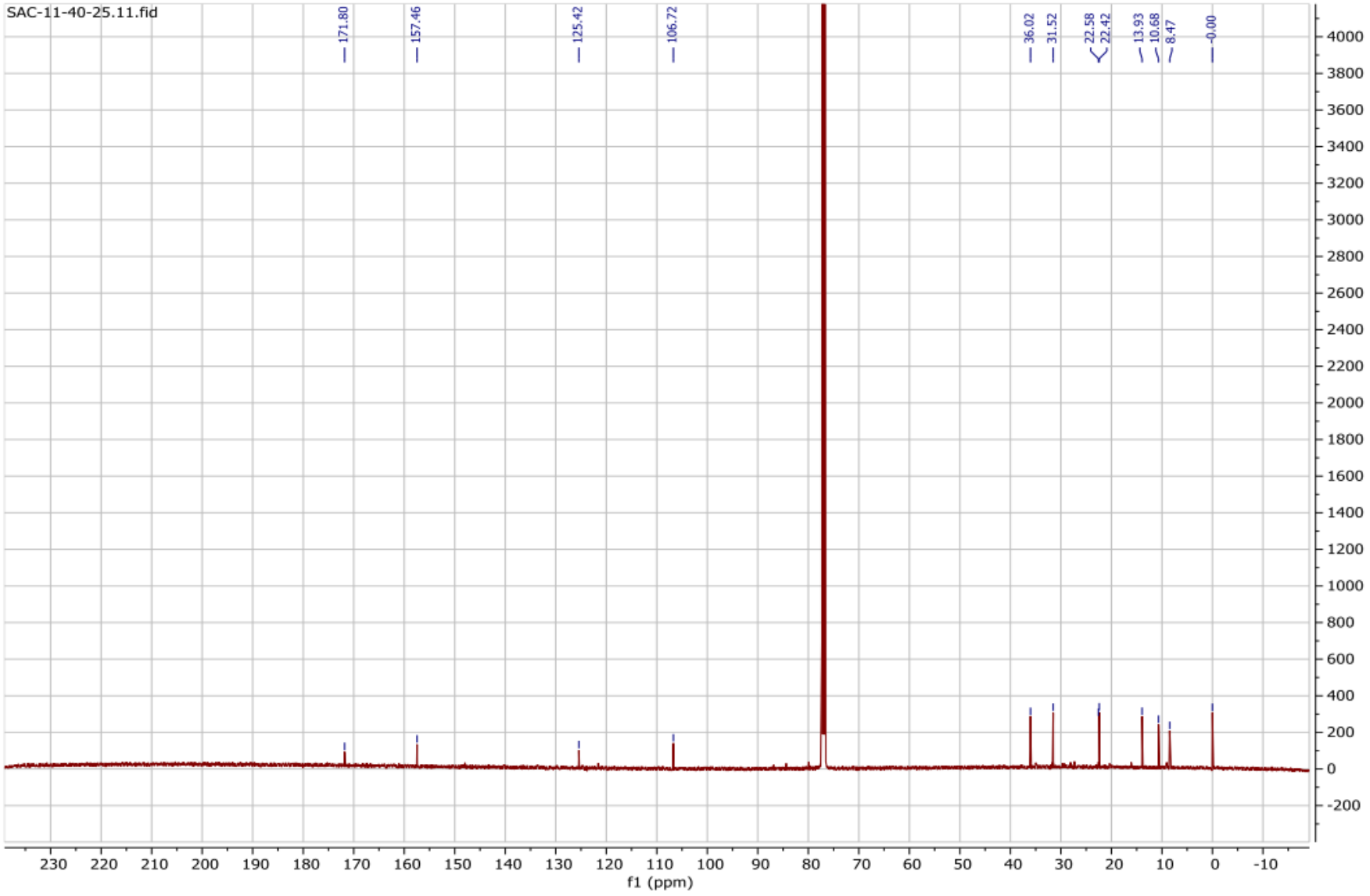

Figure S27. ^{13}C NMR (C_5D_5N, 125 MHz) of **7**.