Supplementary Information

Figure S1. ^{1}H NMR spectrum of **1** in CD_3OD at 500 MHz.

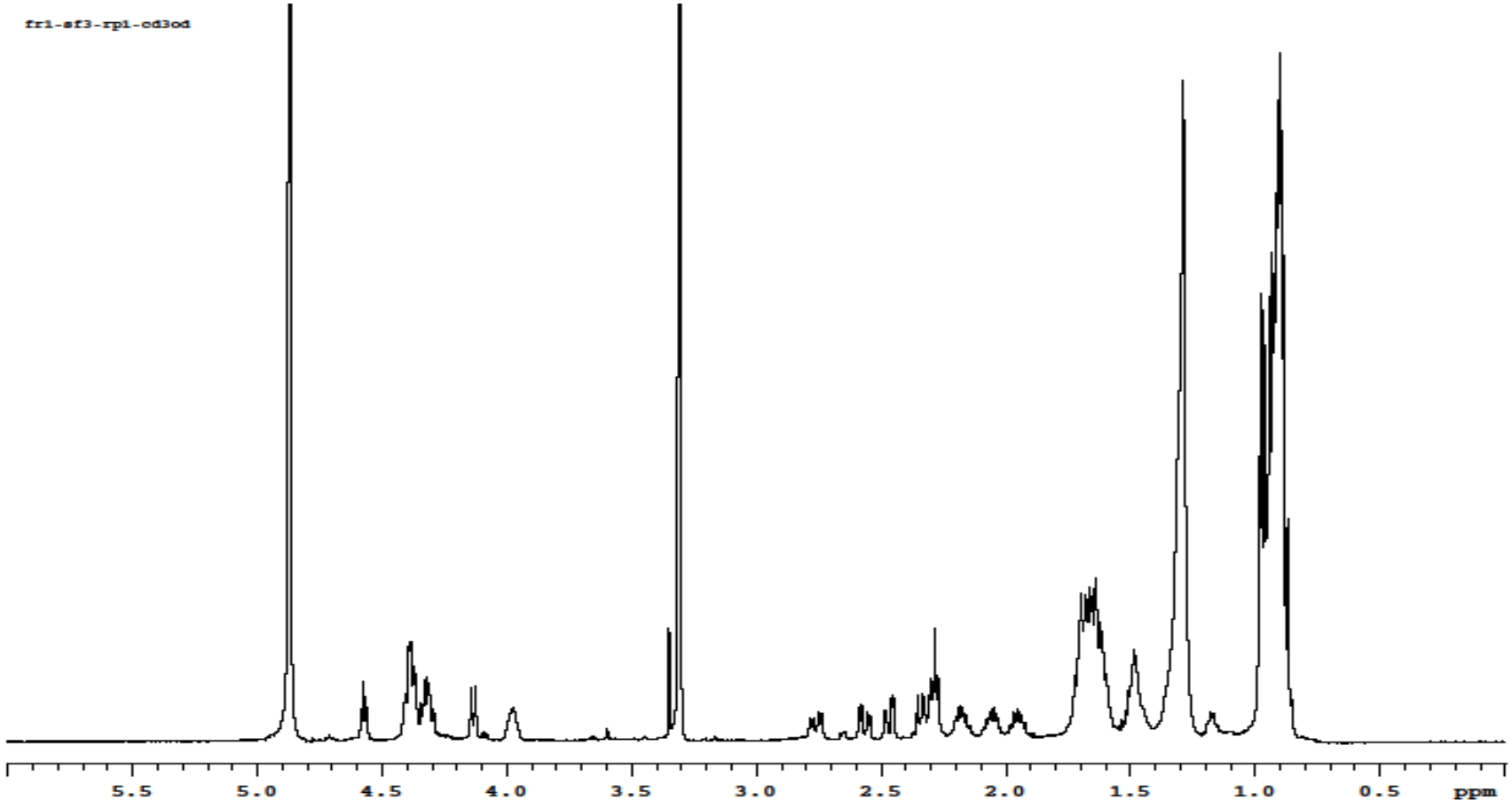


Figure S1. *Cont.*

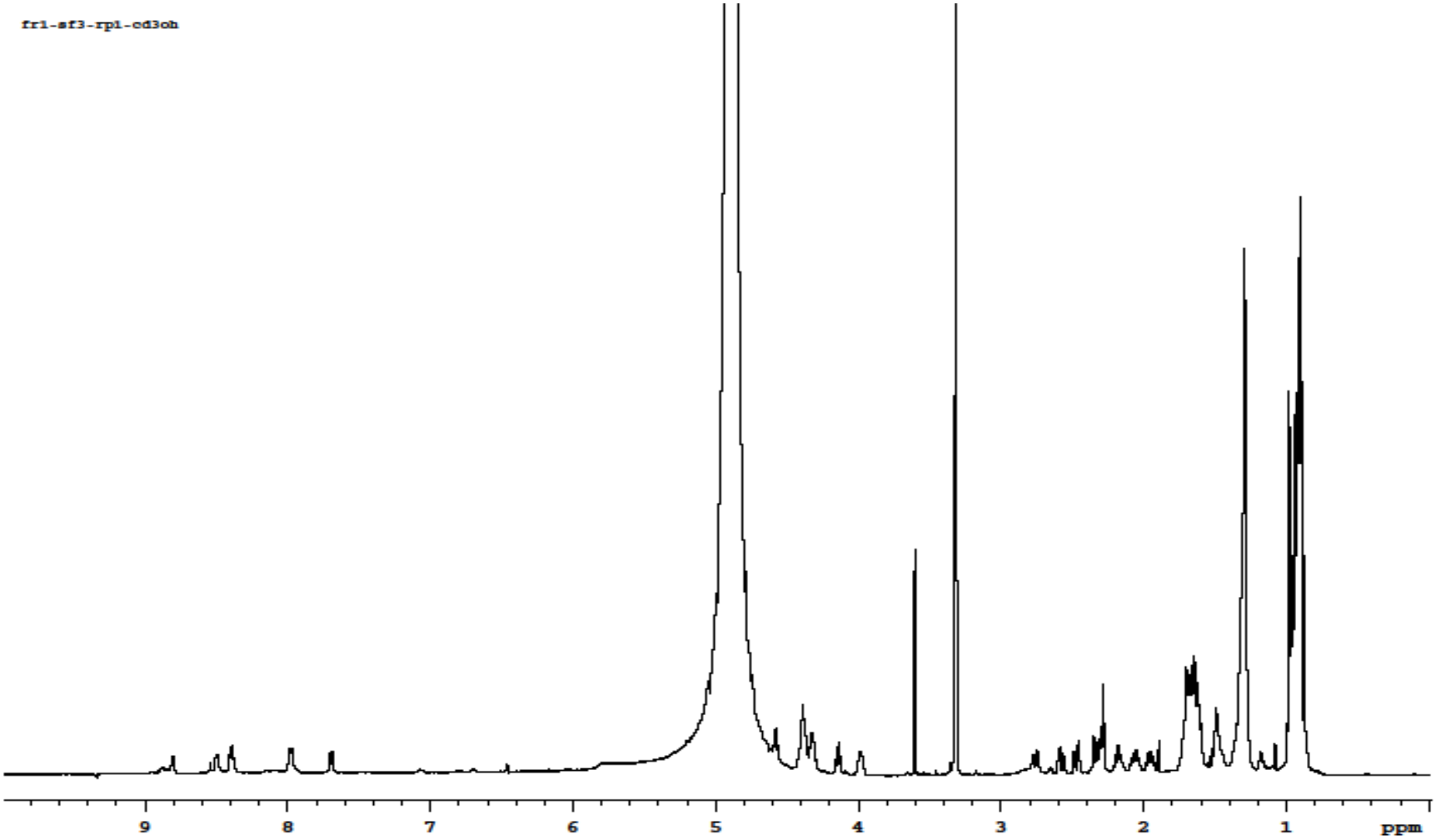


Figure S2. ^{13}C NMR spectrum of **1** in CD_3OD.

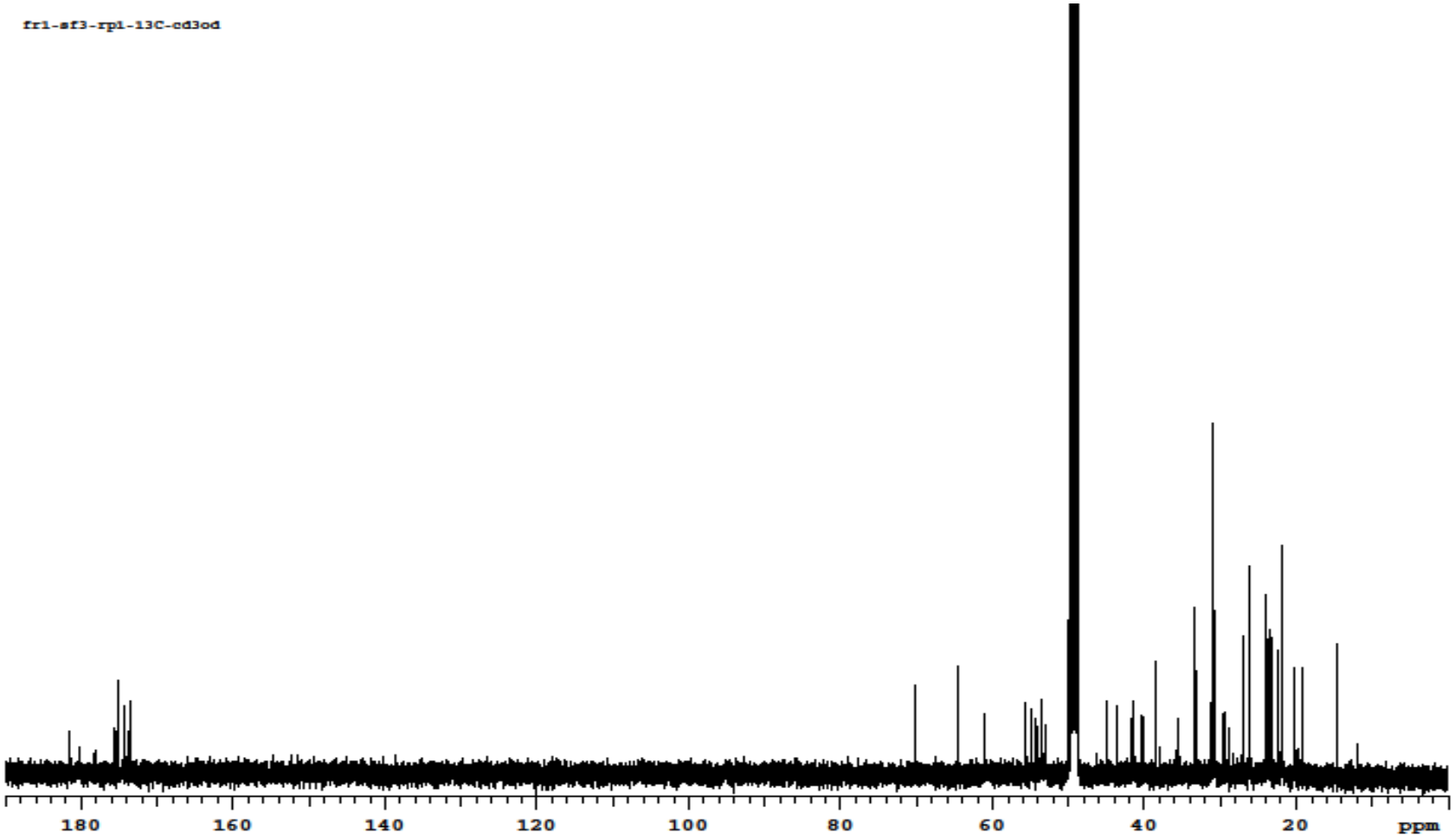


Figure S3. COSY spectrum of **1** in CD_3OD.

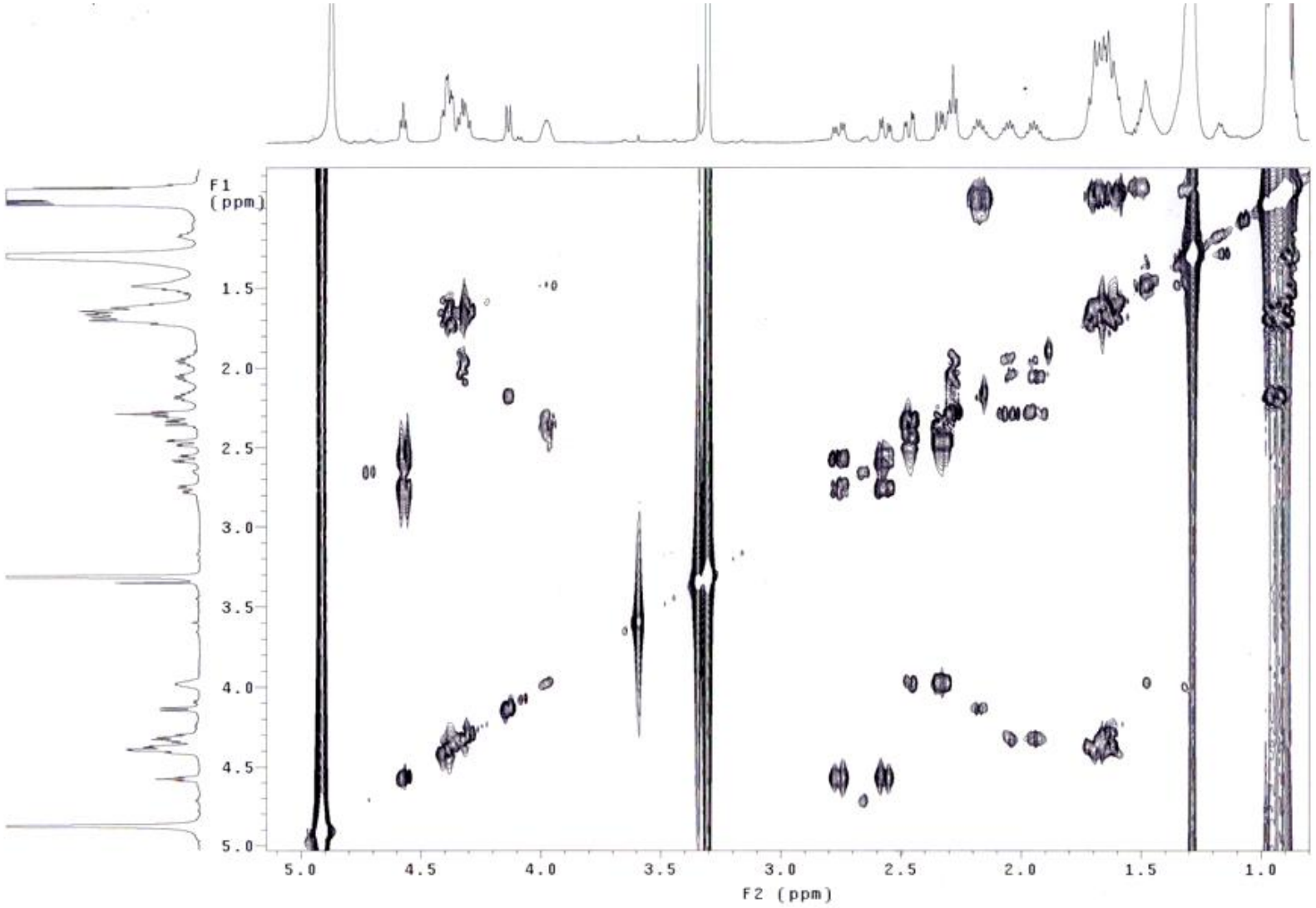


Figure S4. COSY spectrum of **1** in CD_3OH.

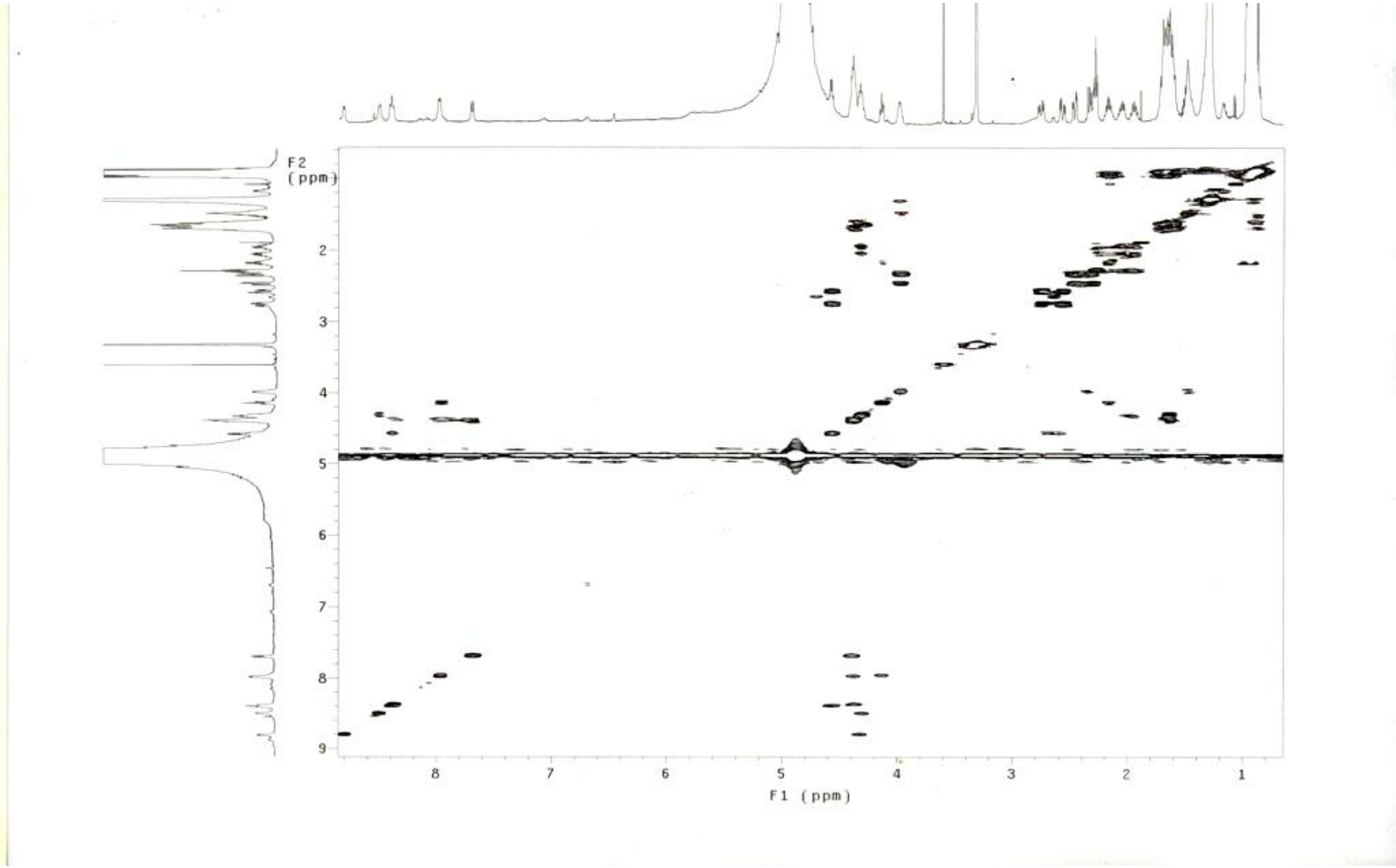


Figure S5. TOCSY spectrum of **1** in CD_3OH.

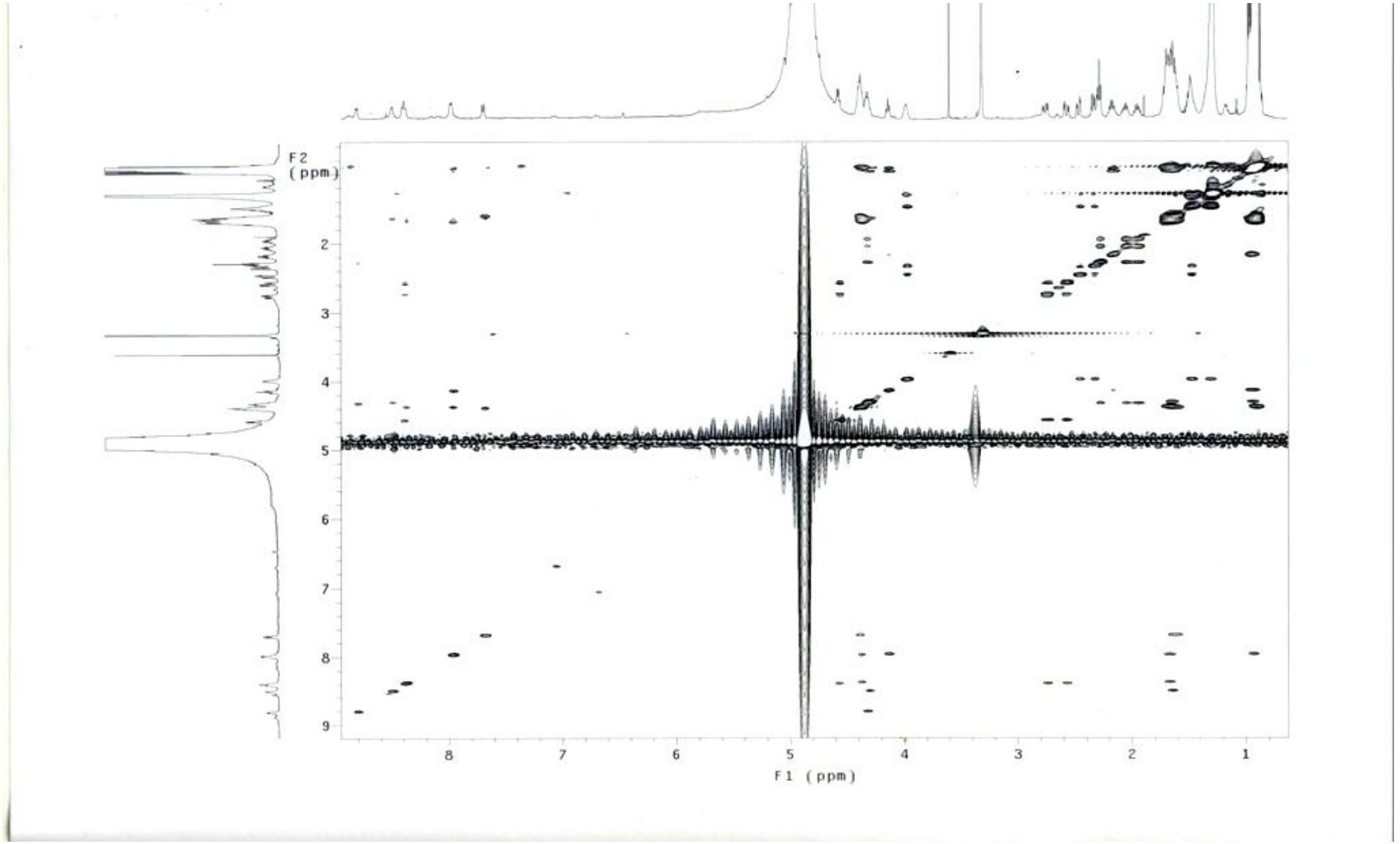


Figure S6. HSQC spectrum of **1** in CD_3OD.

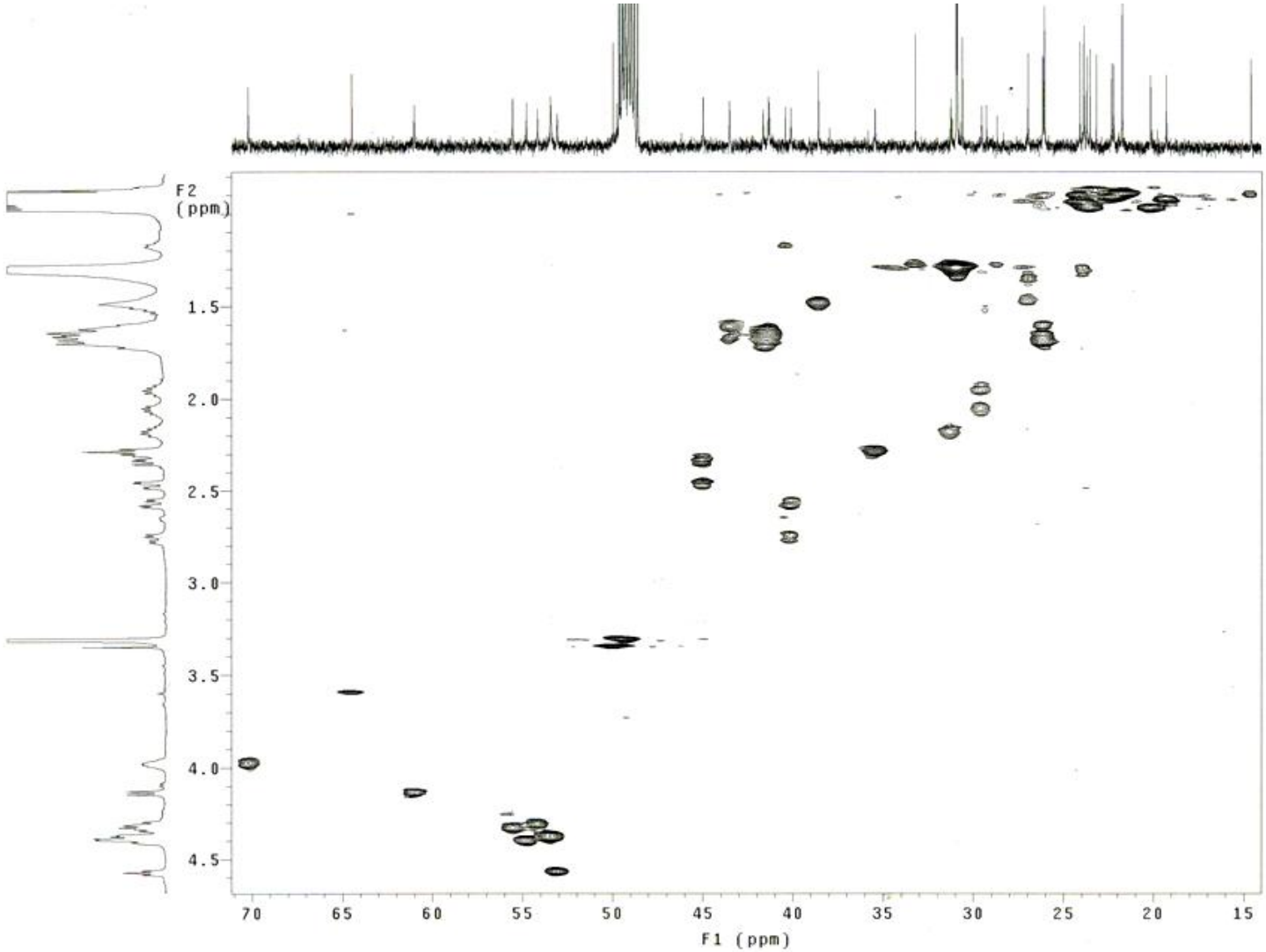


Figure S7. HMBC spectrum of **1** in CD_3OD.

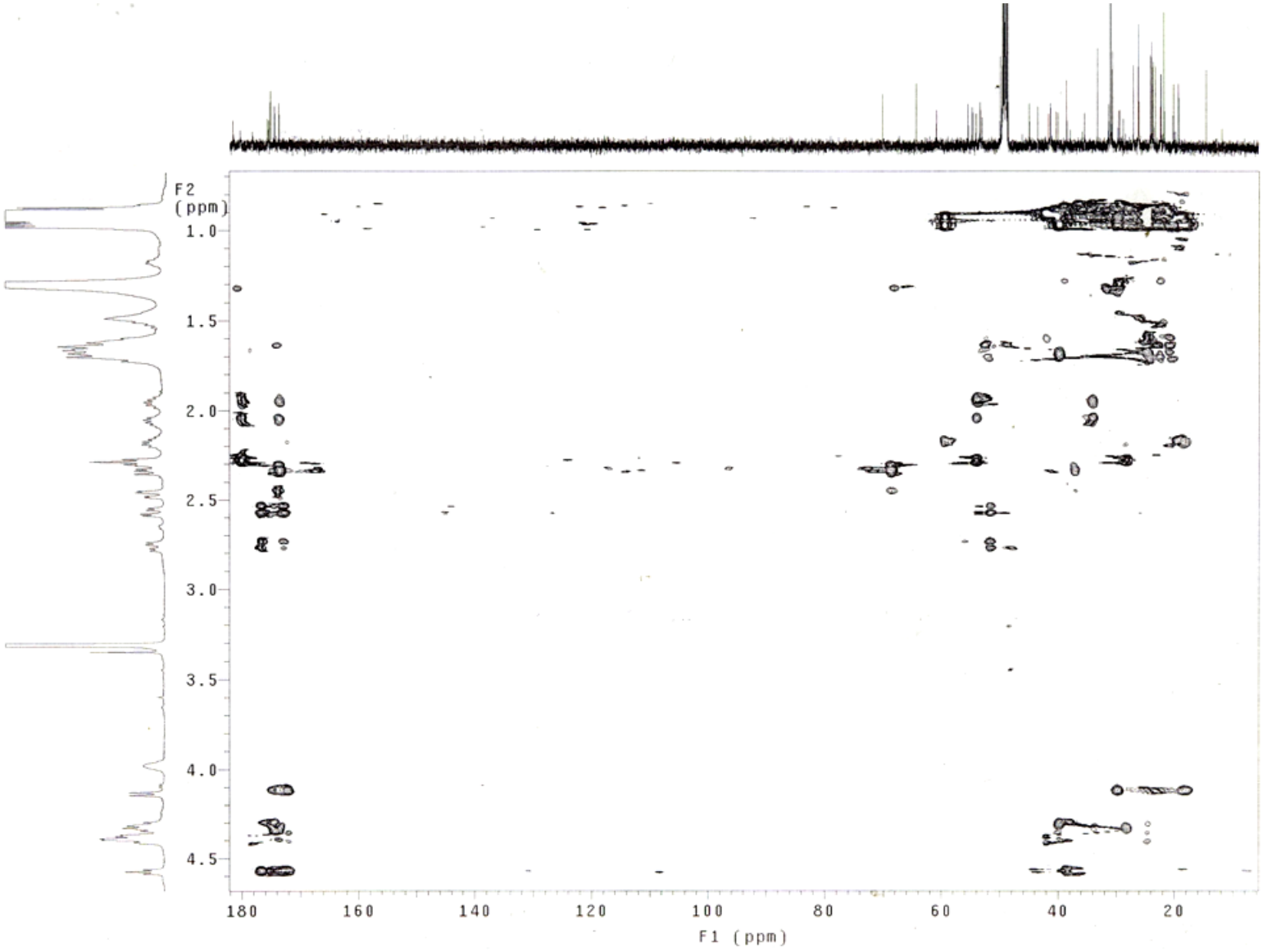


Figure S8. HMBC spectrum of **1** in CD_3OH.

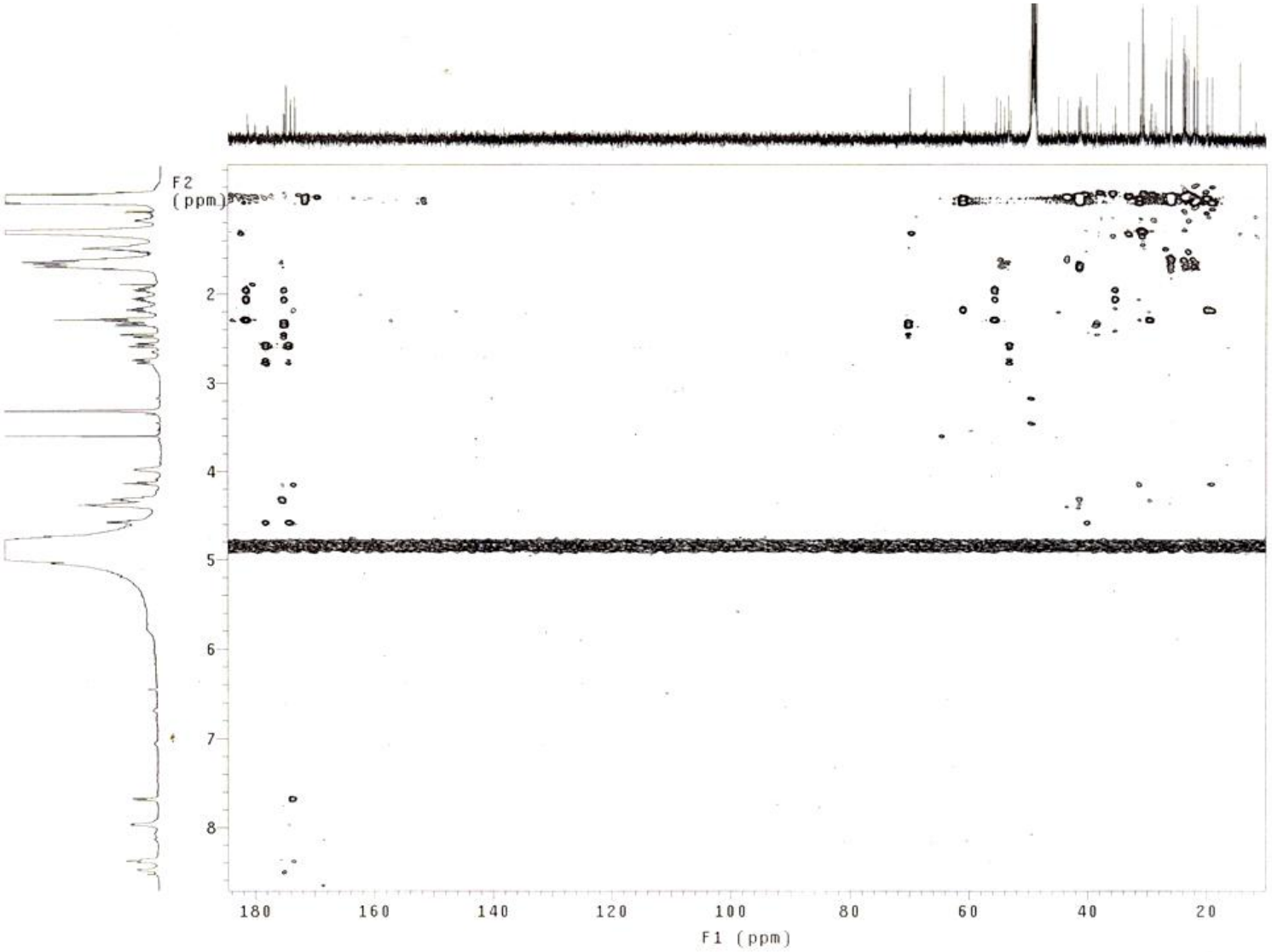


Figure S9. ^{1}H NMR spectrum of **2** in CD_3OD.

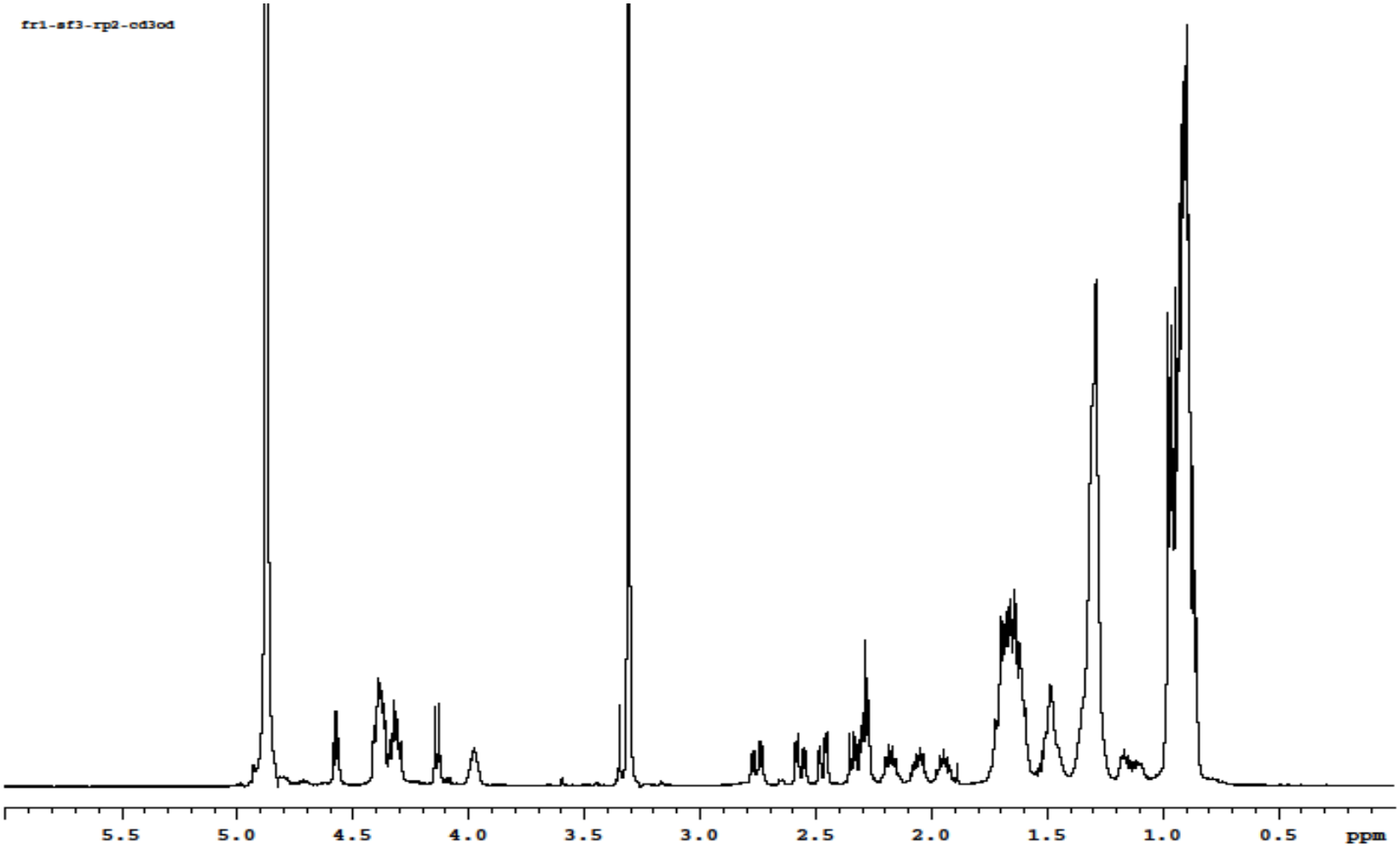


Figure S9. *Cont.*

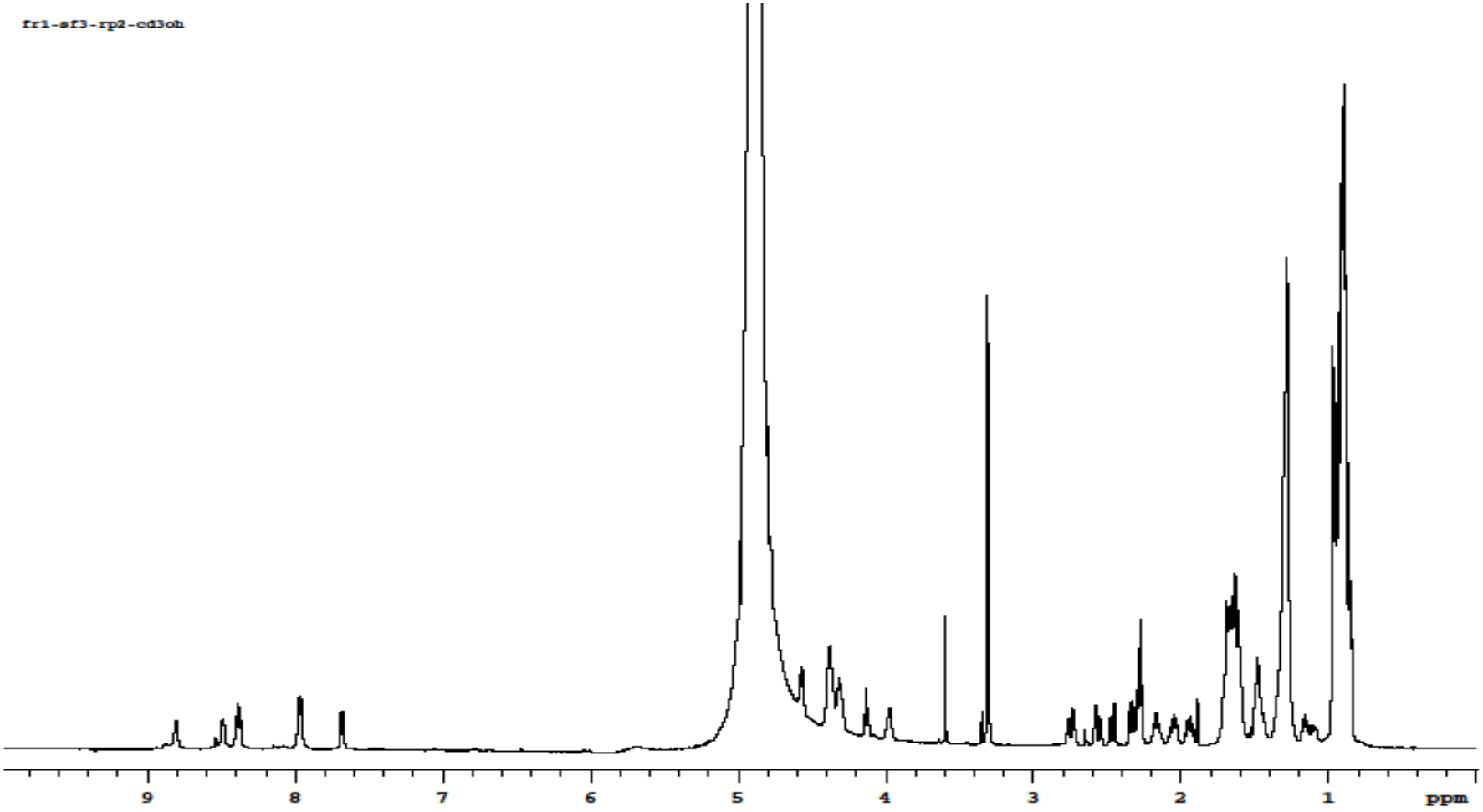


Figure S10. ^{13}C NMR spectrum of **2** in CD_3OD.

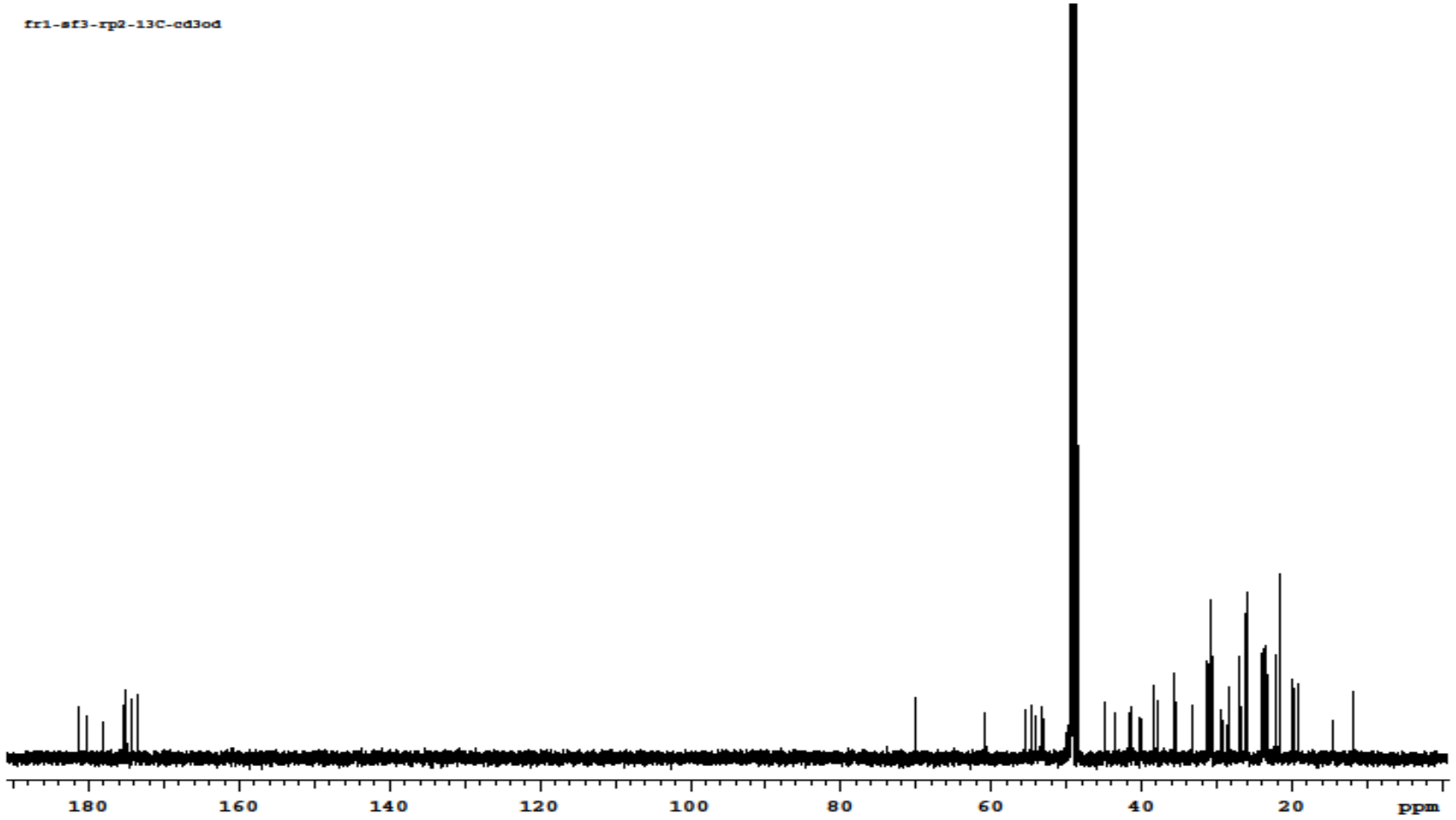


Figure S11. COSY spectrum of **2** in CD_3OD.

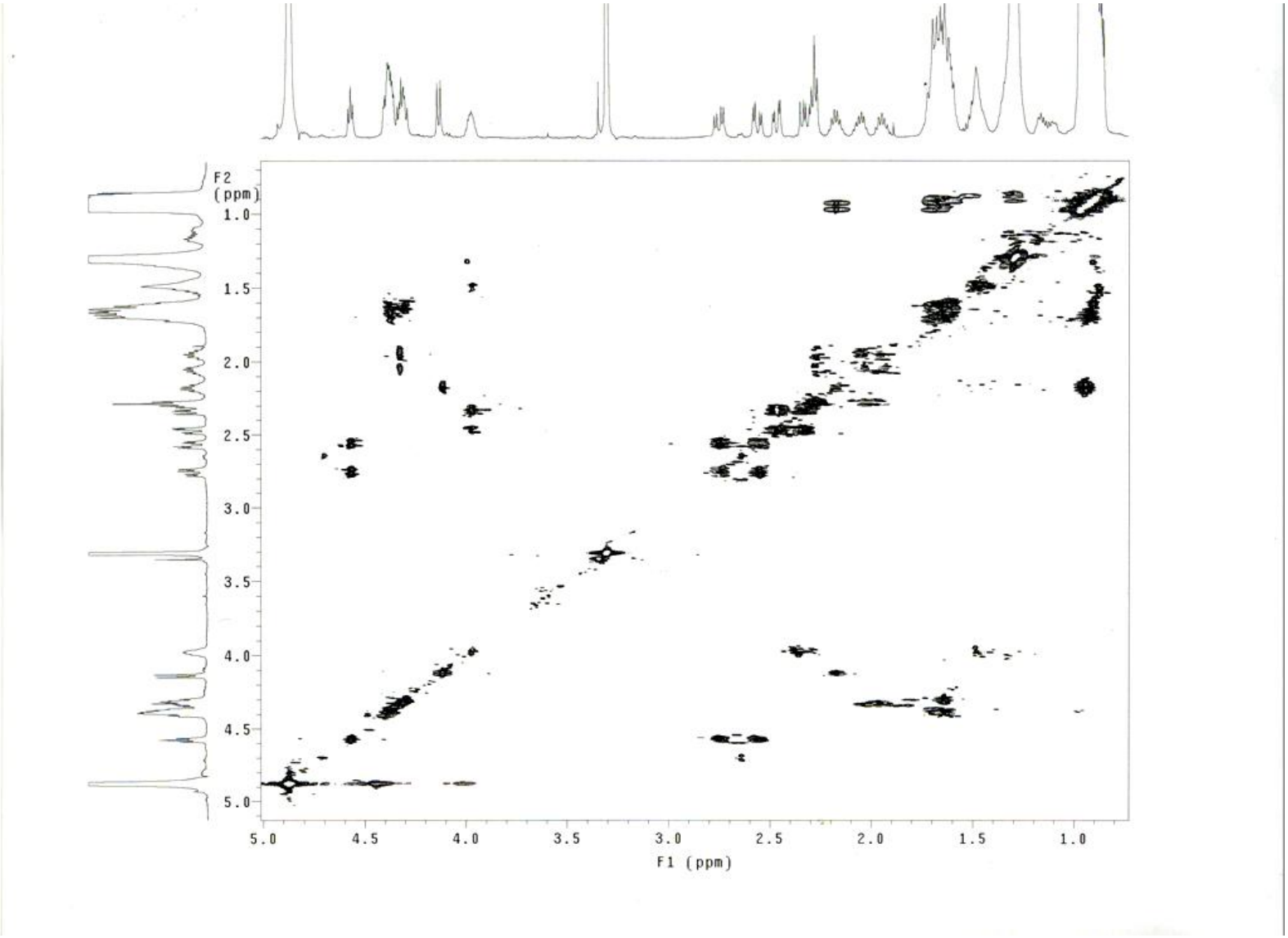


Figure S12. TOCSY spectrum of **2** in CD_3OH.

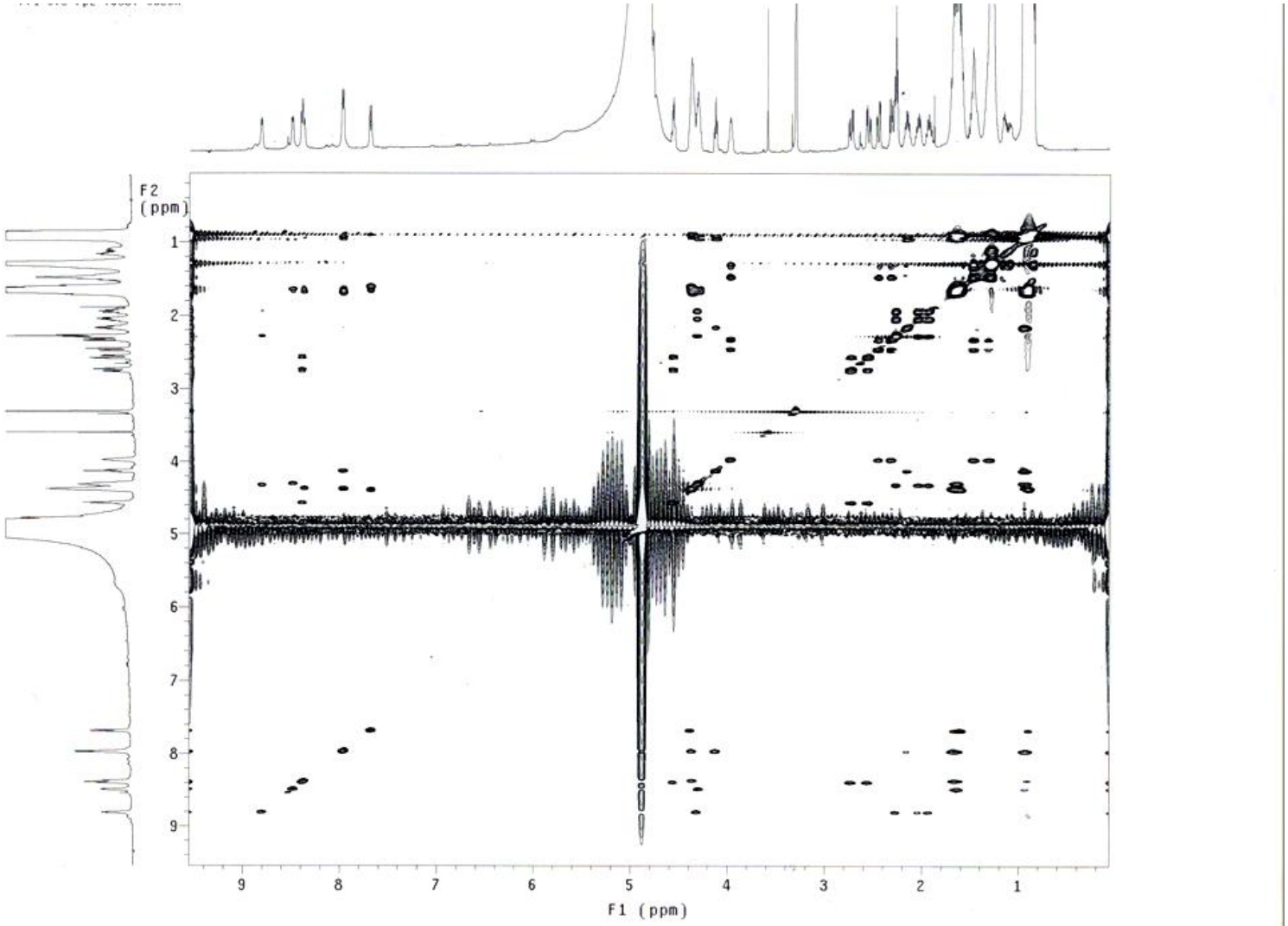


Figure S13. HSQC spectrum of **2** in CD_3OD.

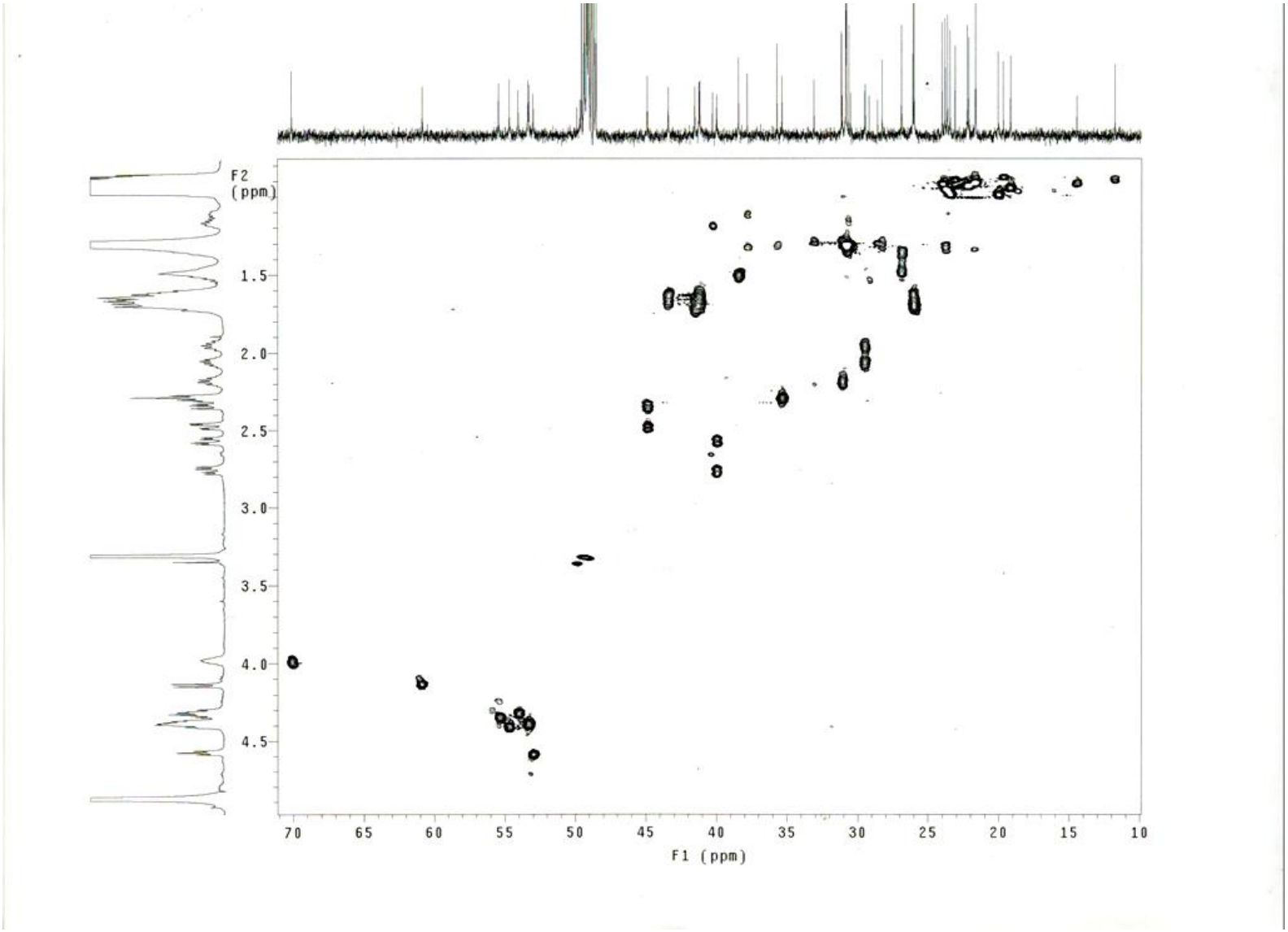


Figure S14. HMBC spectrum of **2** in CD_3OD.

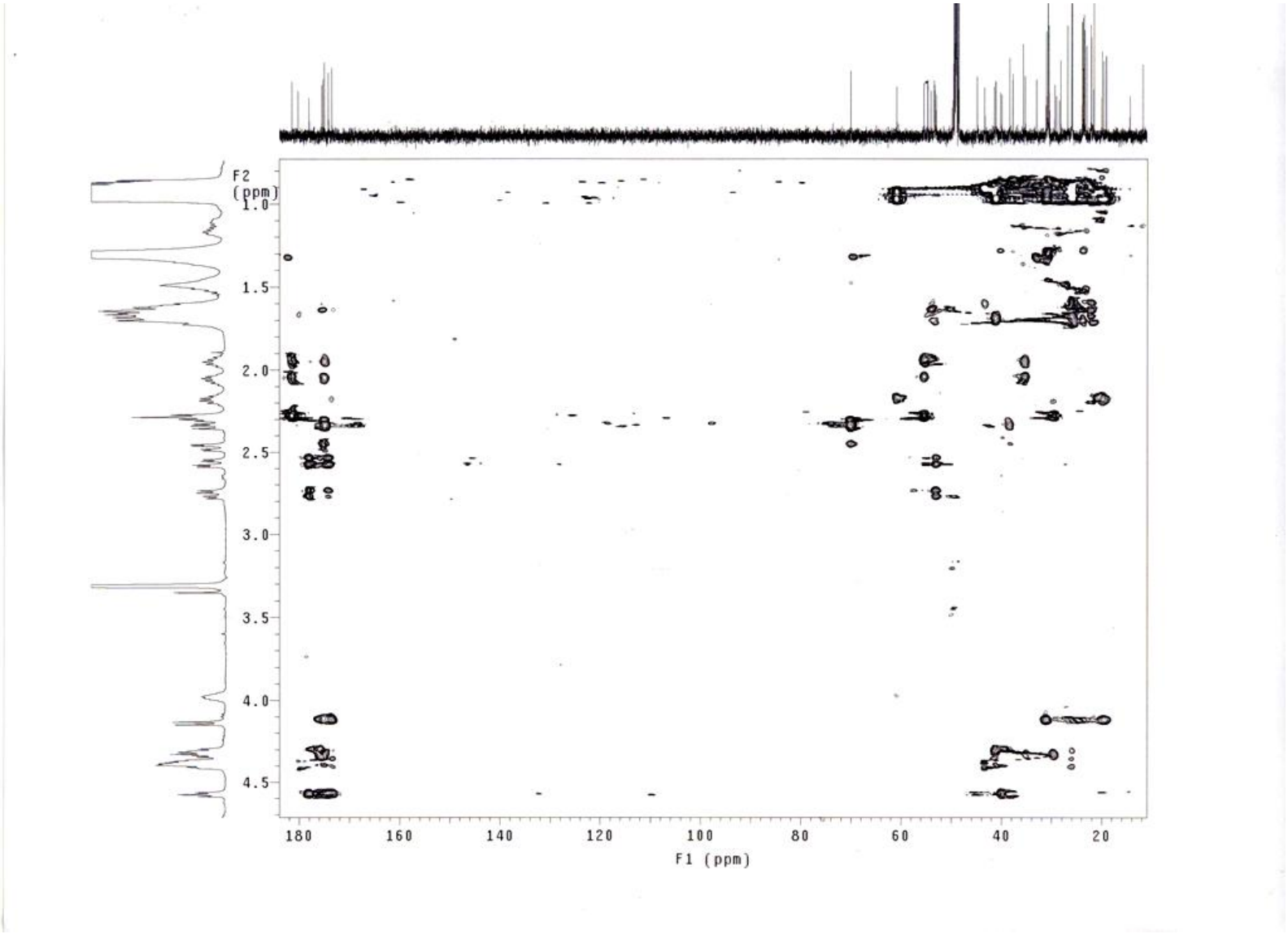


Figure S15. ROESY spectrum of **2** in CD_3OH.

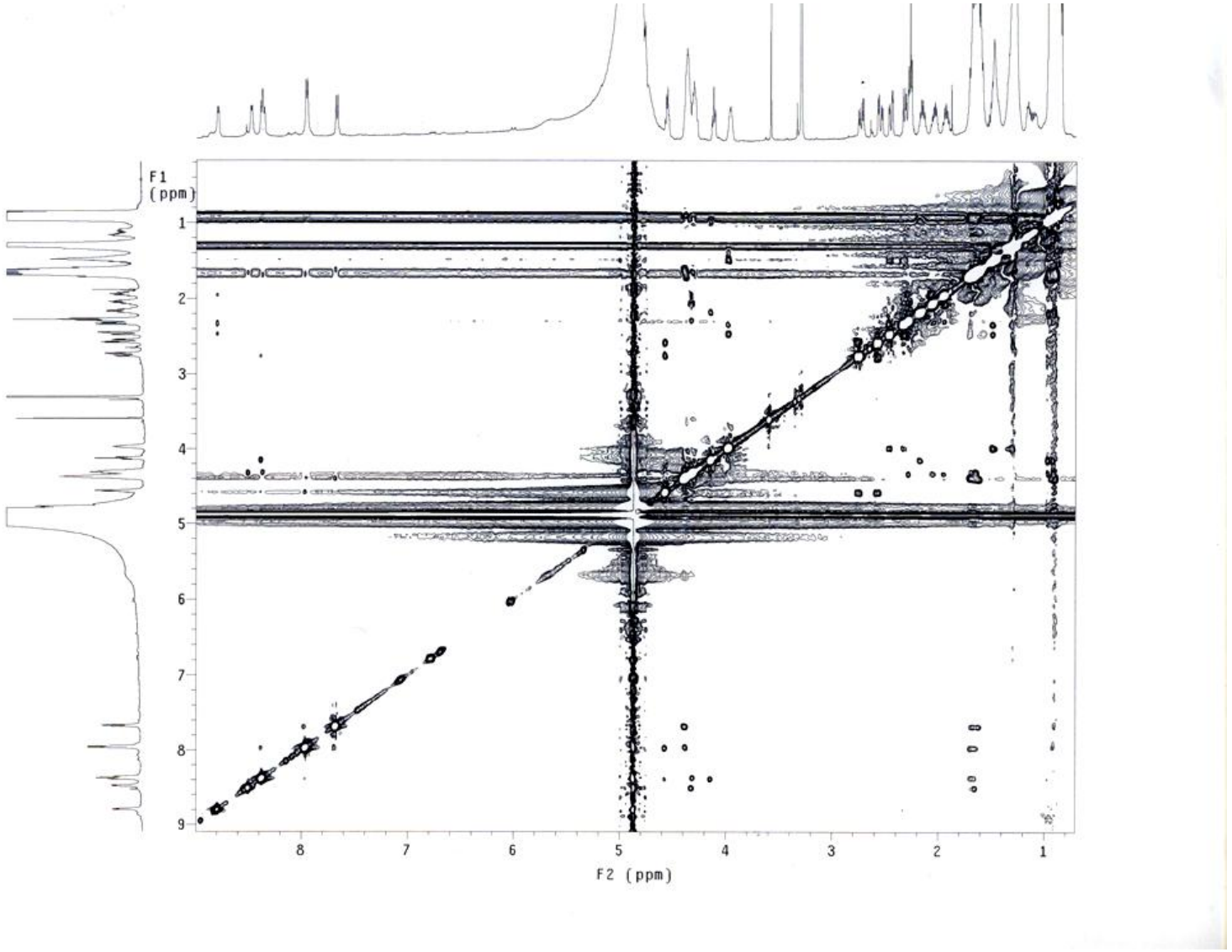


Figure S16. ^{1}H NMR spectrum of **3** in CD_3OD.

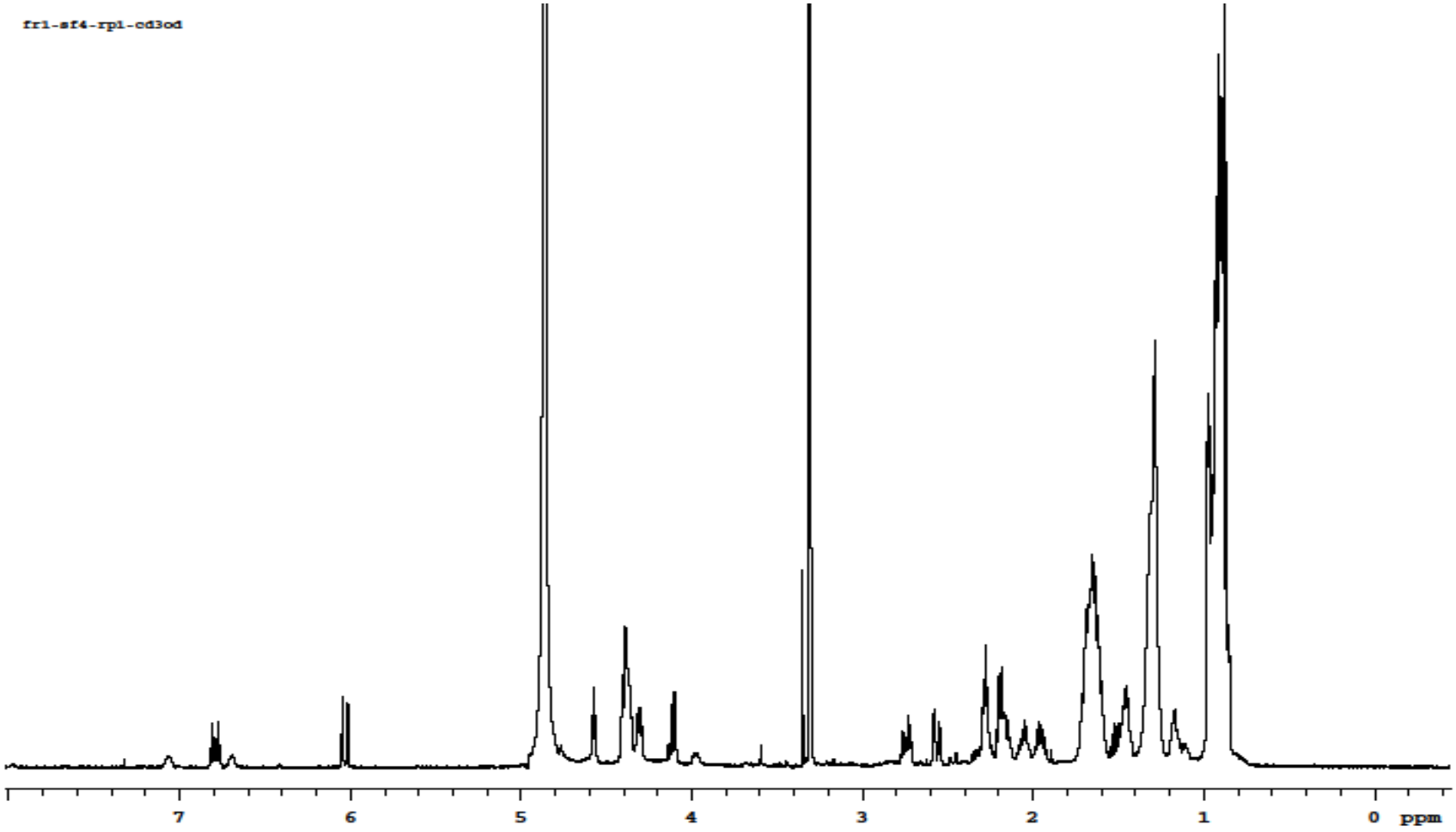


Figure S16. *Cont.*

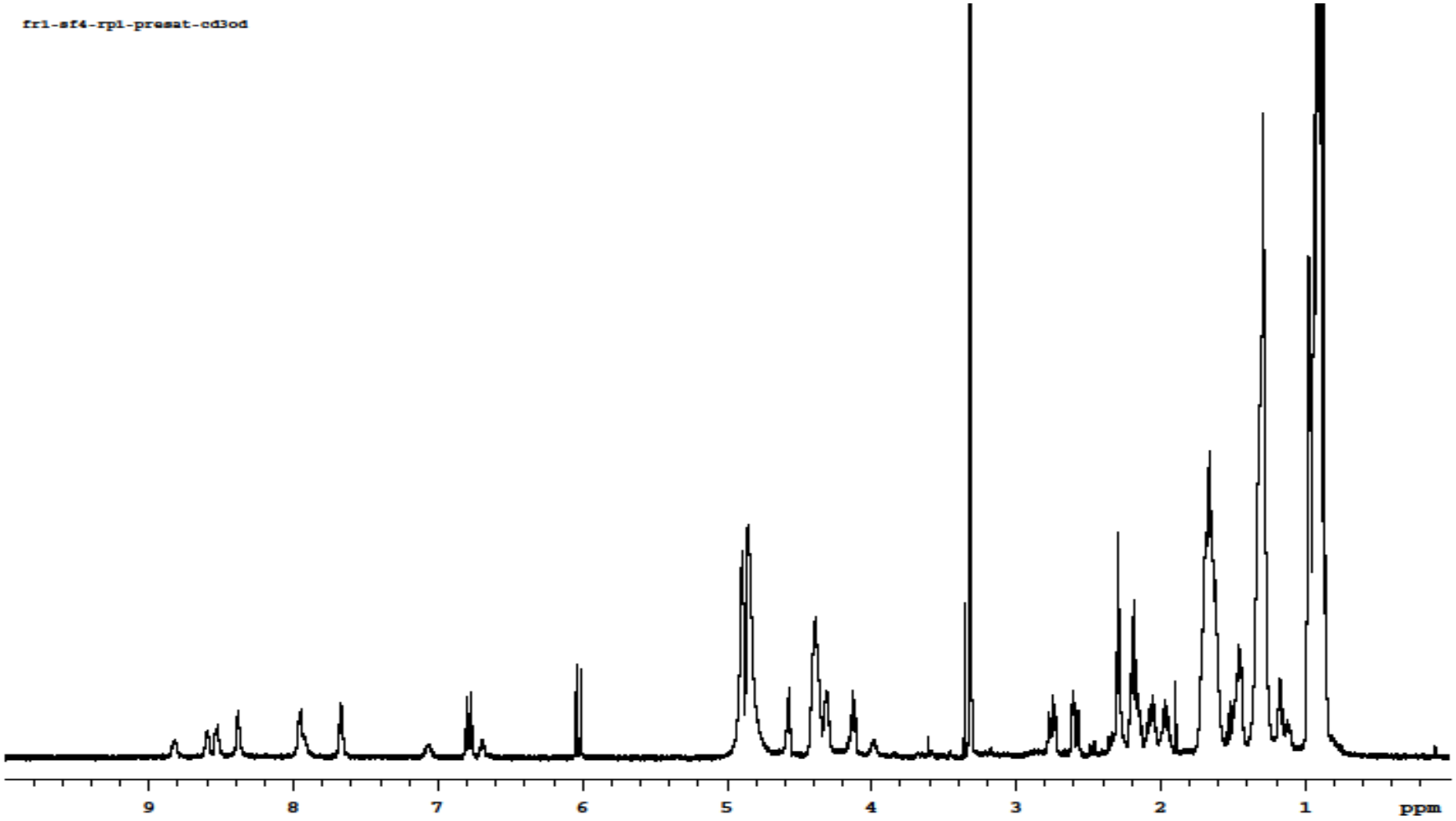


Figure S17. ^{13}C NMR spectrum of **3** in CD_3OD.

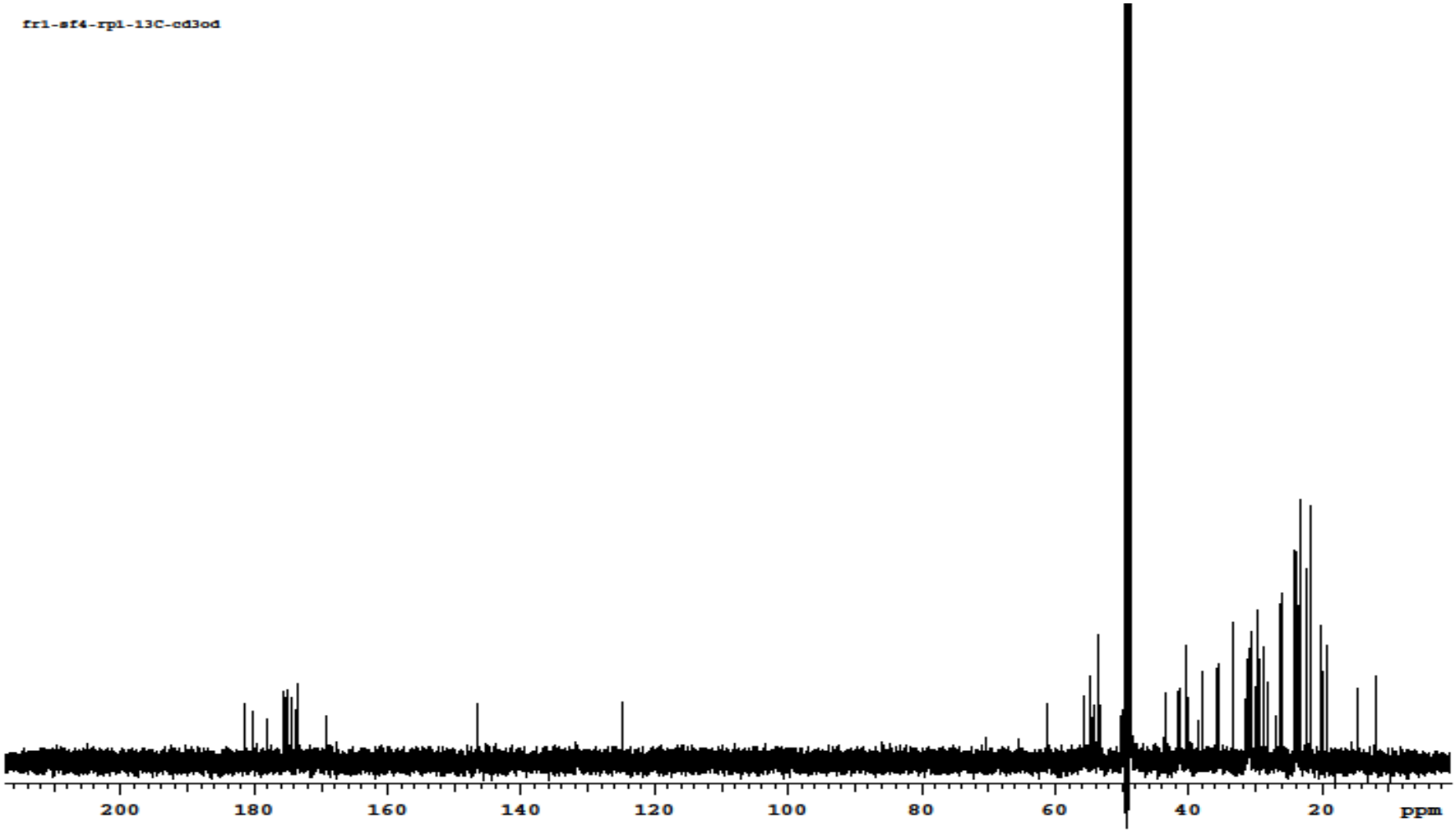


Figure S18. COSY spectrum of **3** in CD_3OD.

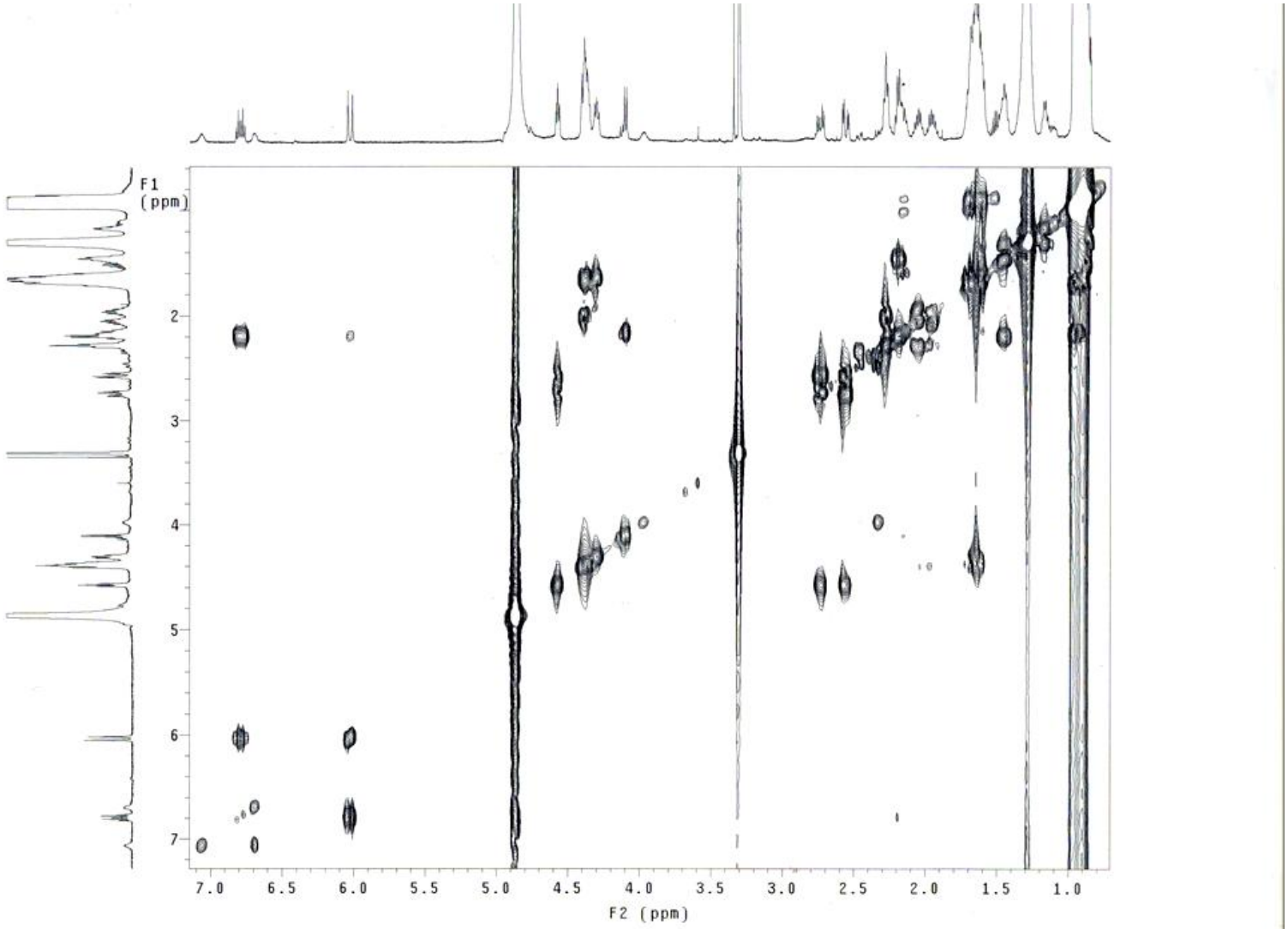


Figure S19. TOCSY spectrum of **3** in CD_3OH.

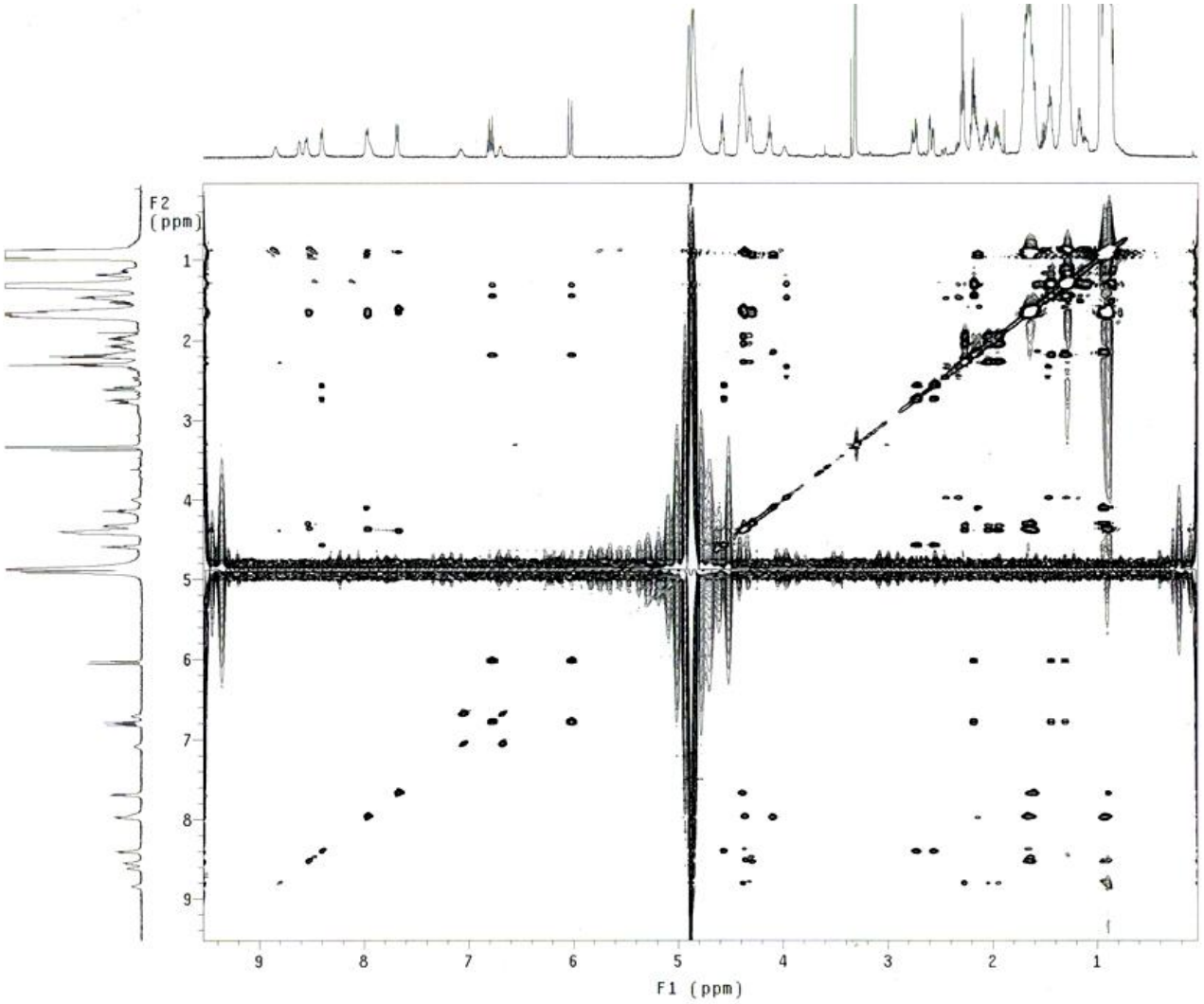


Figure S20. HSQC spectrum of **3** in CD_3OD.

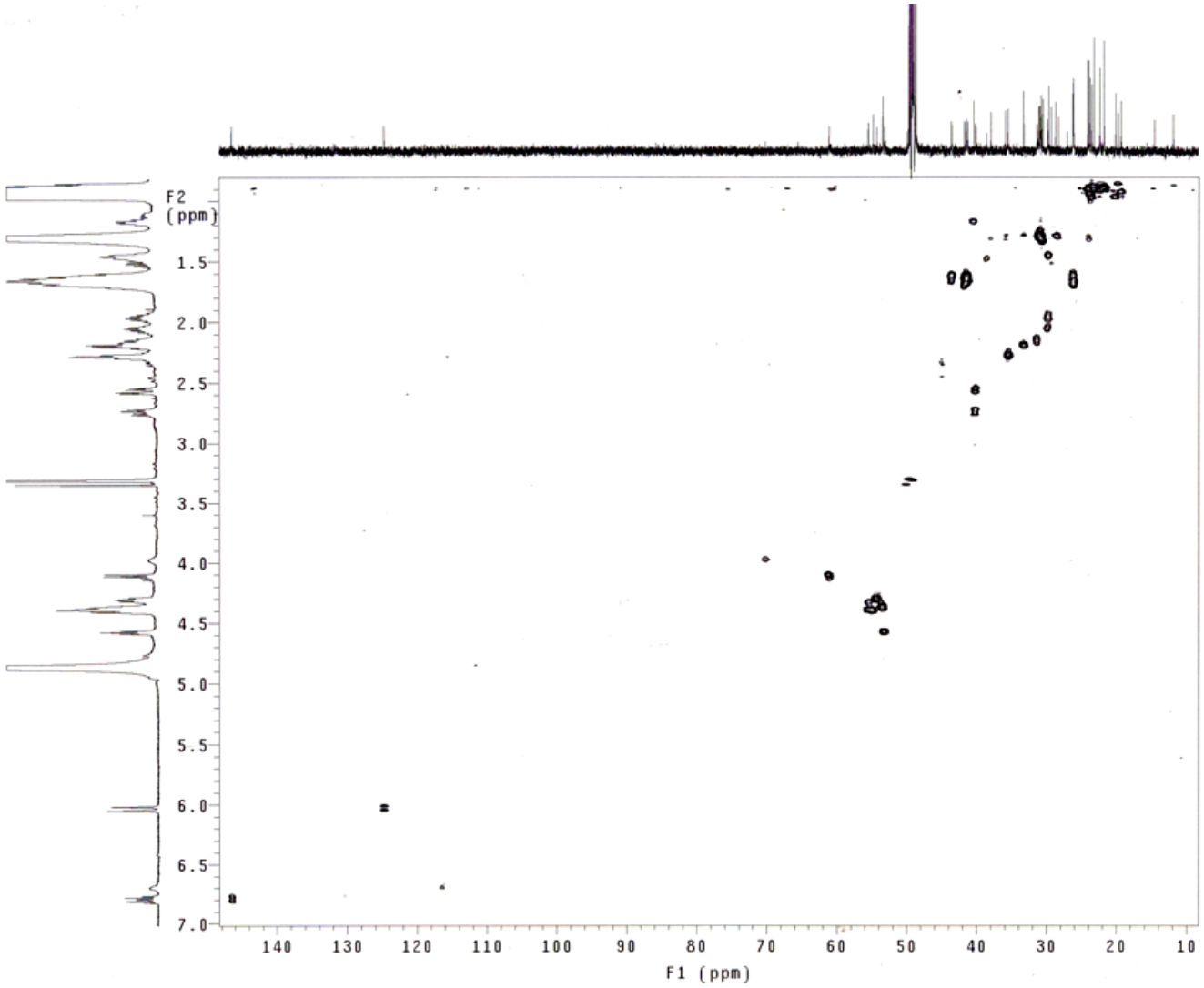


Figure S21. HMBC spectrum of **3** in CD_3OH.

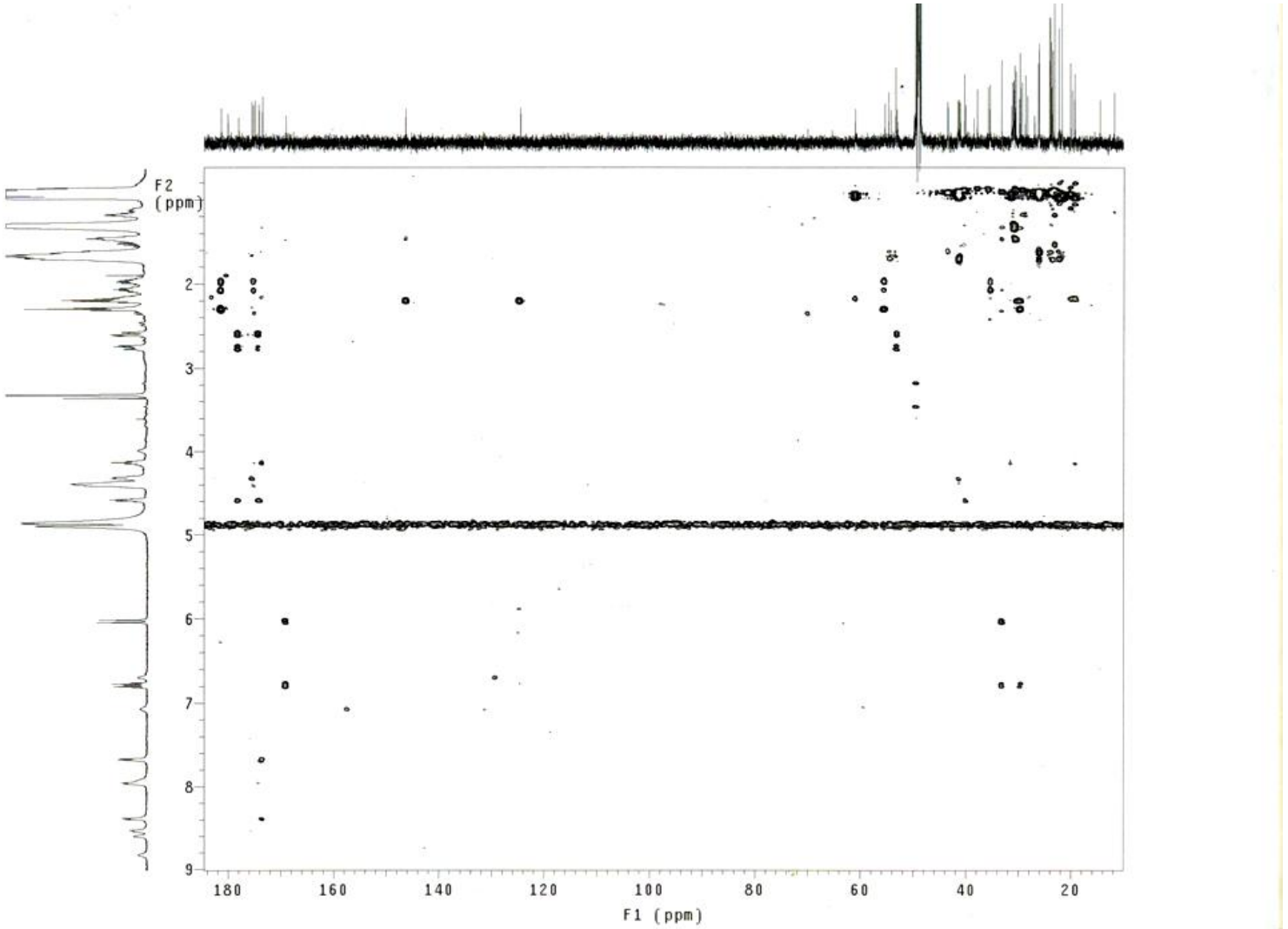


Figure S22. ROESY spectrum of **3** in CD_3OH.

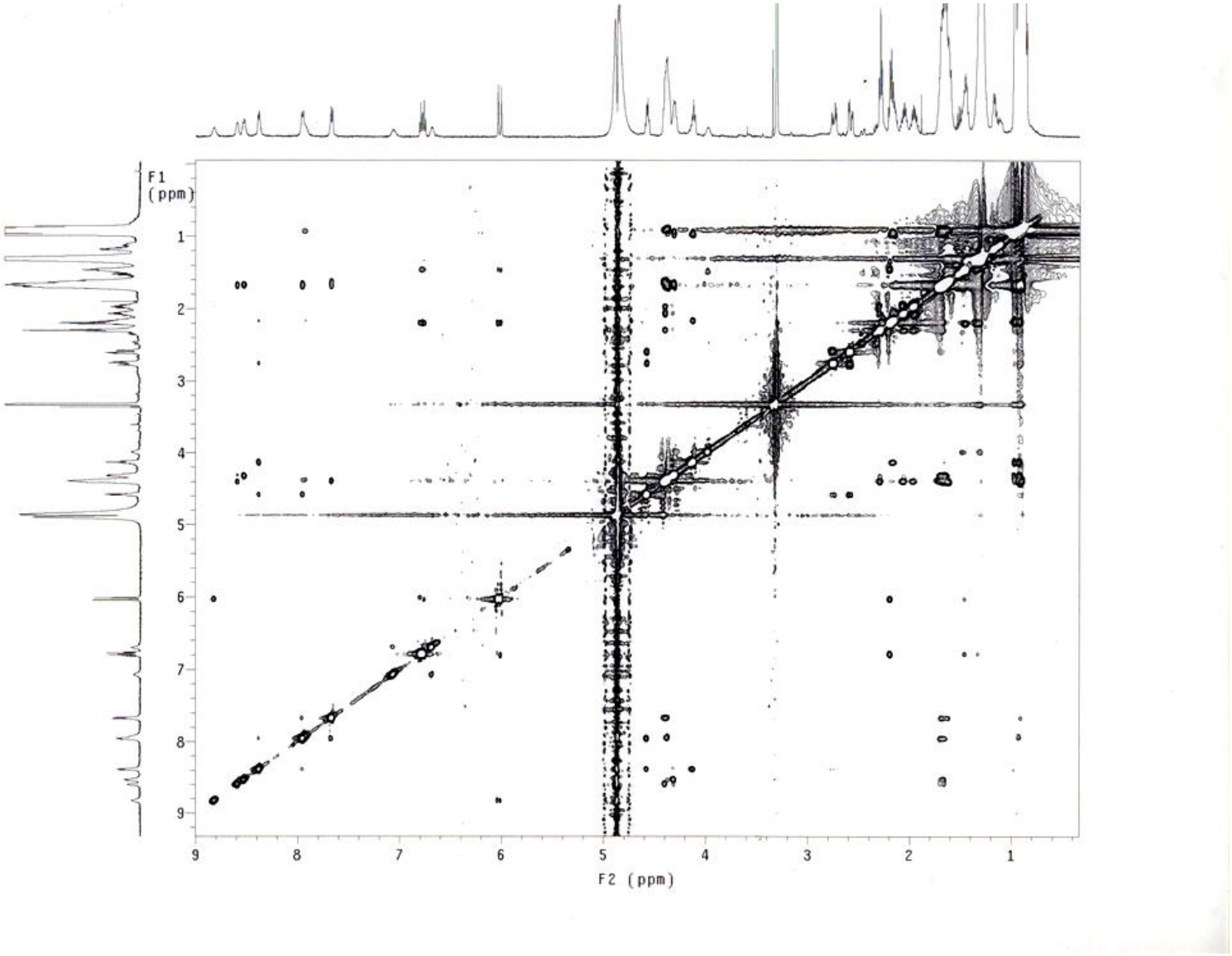
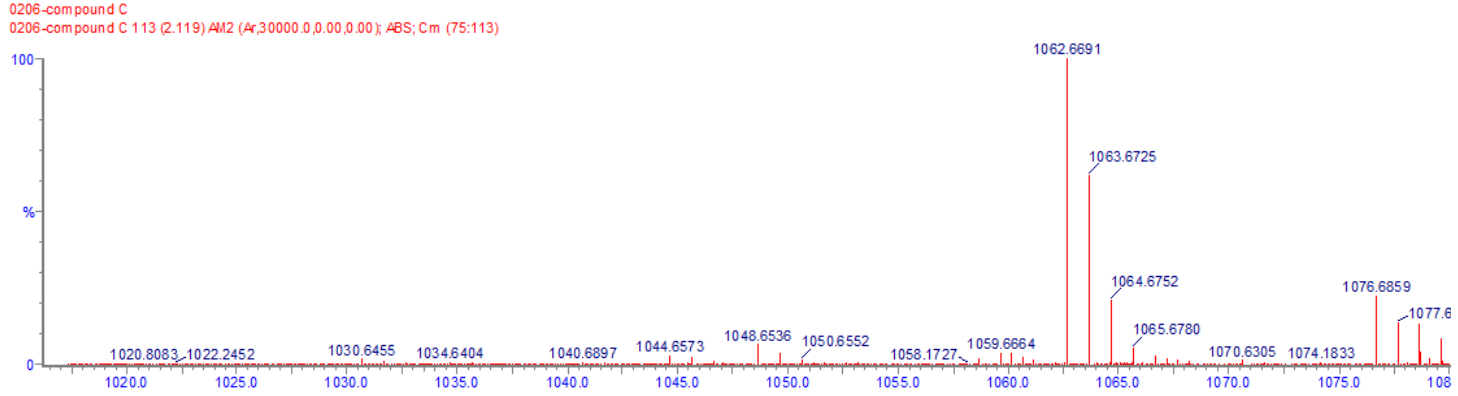
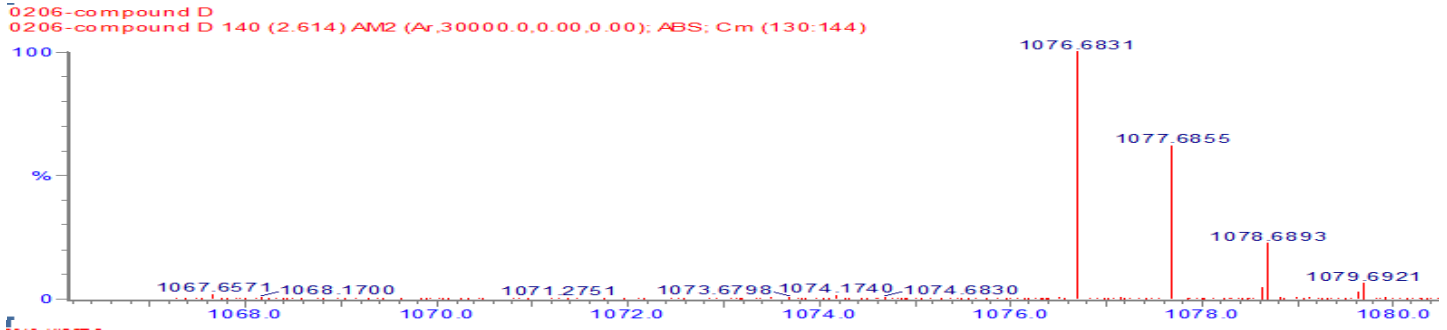


Figure S23. HRESI-MS of **1**–**3**.

1



2



3

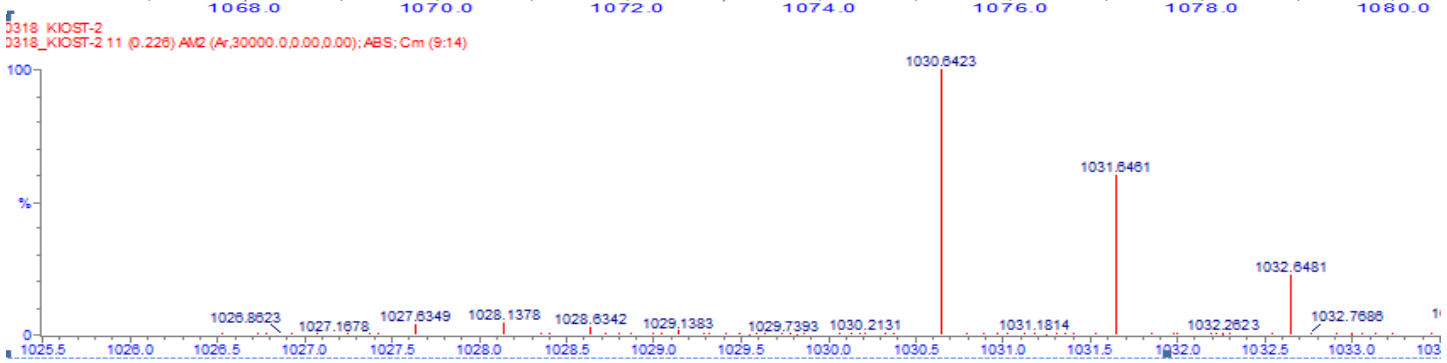


Figure S24. APCI-MS data of fatty acid in **1**.

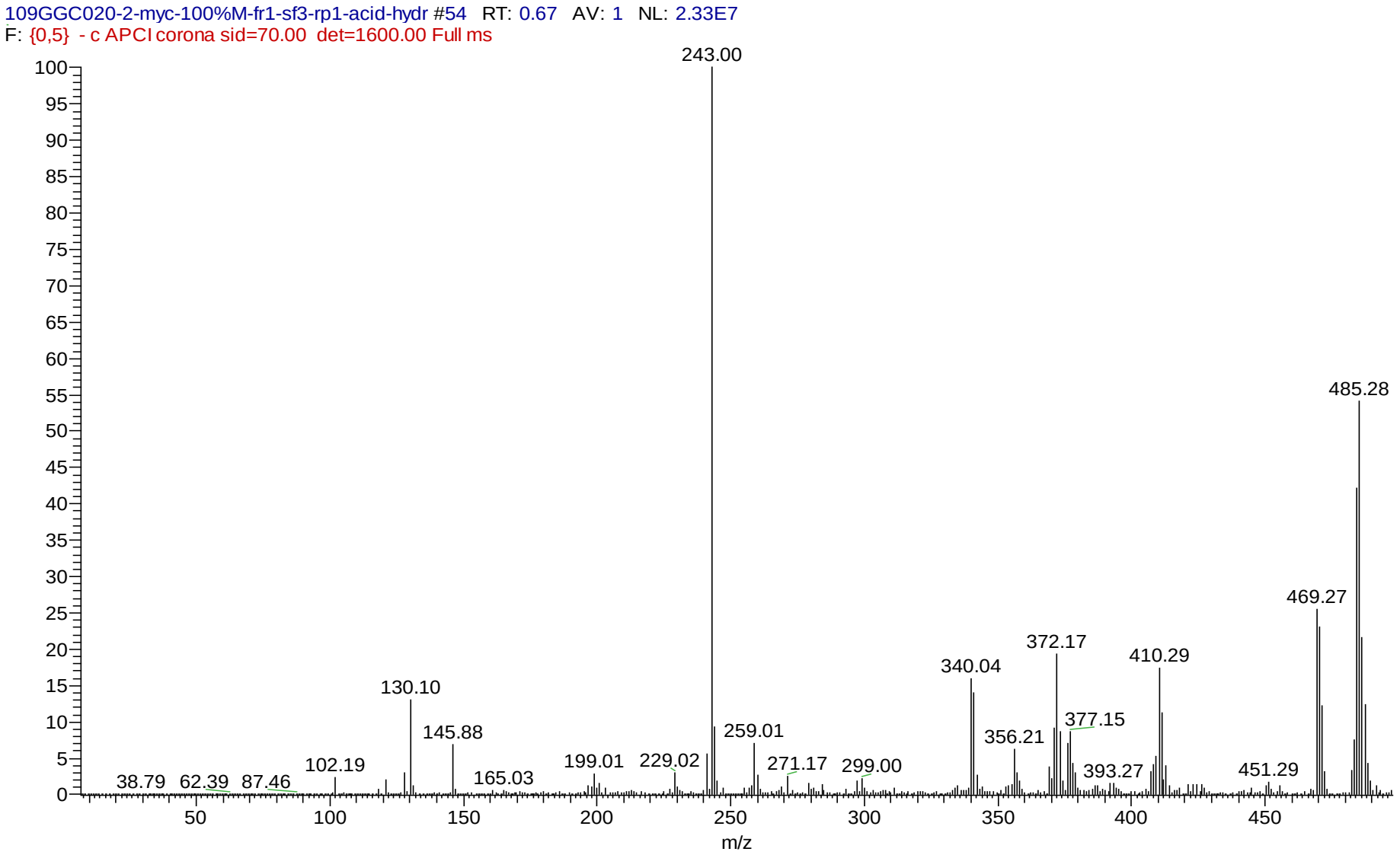


Figure S25. ^{1}H NMR spectrum of fatty acid in **1**.

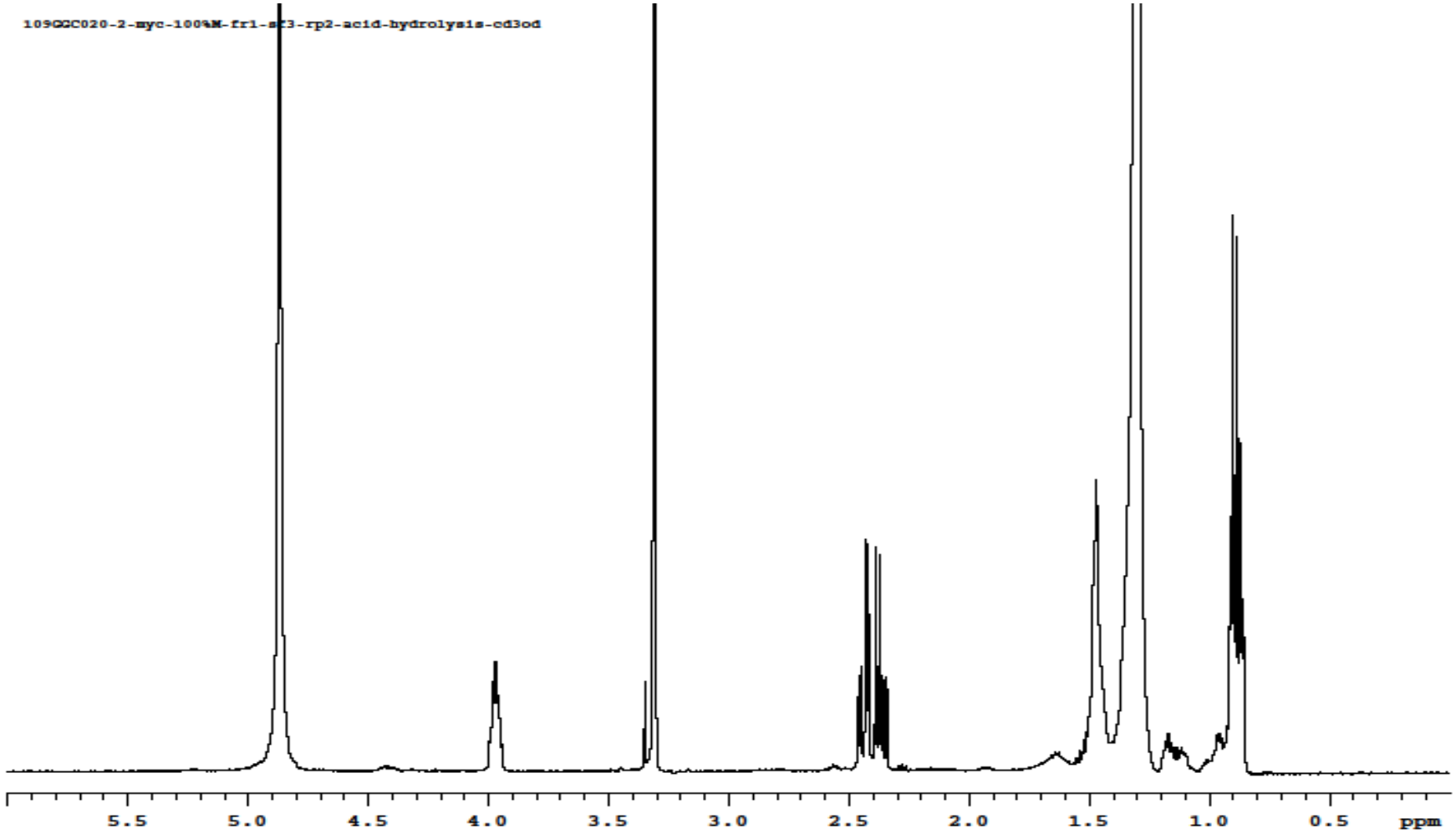


Figure S26. HPLC data for amino acid analysis in **1**.

Gageostatin-A

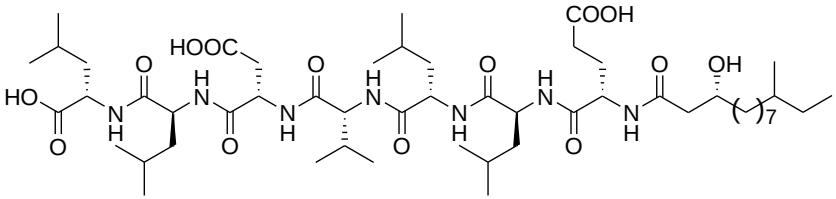
Solvent system: 40% MeCN in H_2O + 0.5% TFA

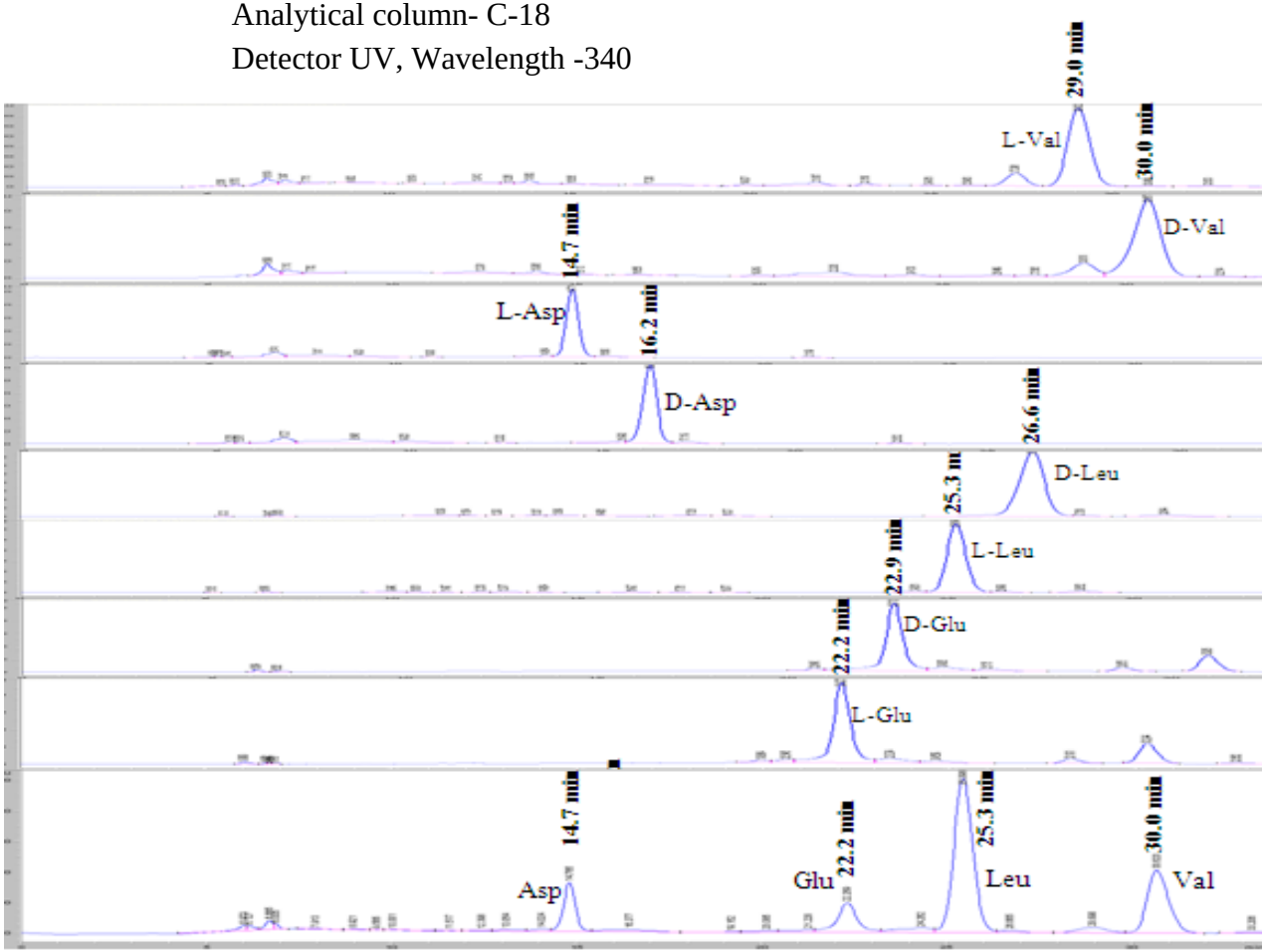
Flow- 0.5 ml/min

Injection - 10

Analytical column- C-18

Detector UV, Wavelength -340





FDAA derivatives of standard L-Val

FDAA derivatives of standard D-Val

FDAA derivatives of standard L-Asp

FDAA derivatives of standard D-Asp

FDAA derivatives of standard D-Leu

FDAA derivatives of standard L-Leu

FDAA derivatives of standard D-Glu

FDAA derivatives of standard L-Glu

FDAA derivatives of amino acids in **1**