

Figure S1. ¹H-NMR (400 MHz, CD₃OD δ ppm) spectrum of compound **1**.

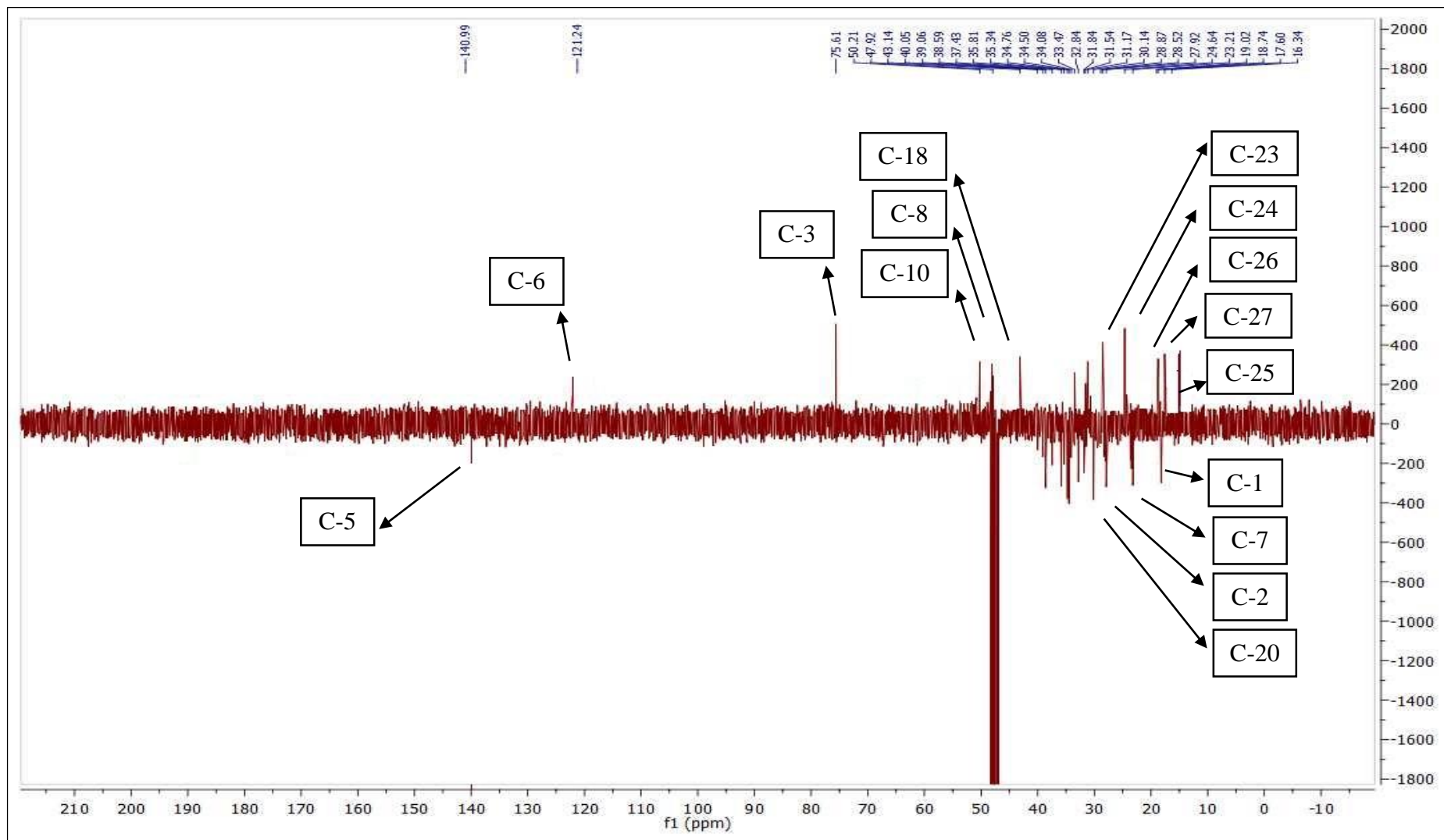


Figure S2. DEPT-Q NMR (100 MHz, CD₃OD δ ppm) spectrum of compound **1**.

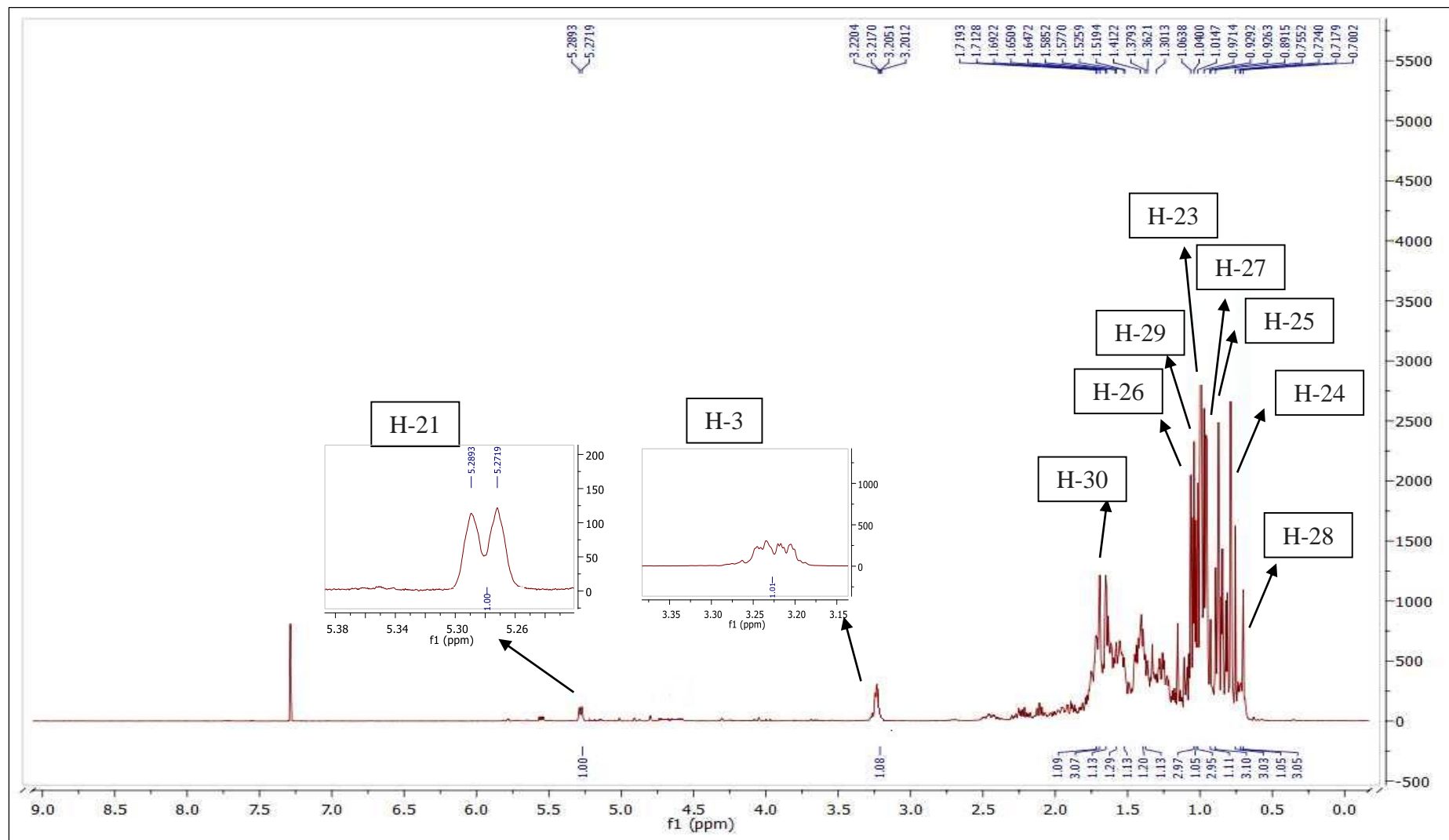


Figure S3. ^1H -NMR (400 MHz, CDCl_3 δ ppm) spectrum of compound 2.

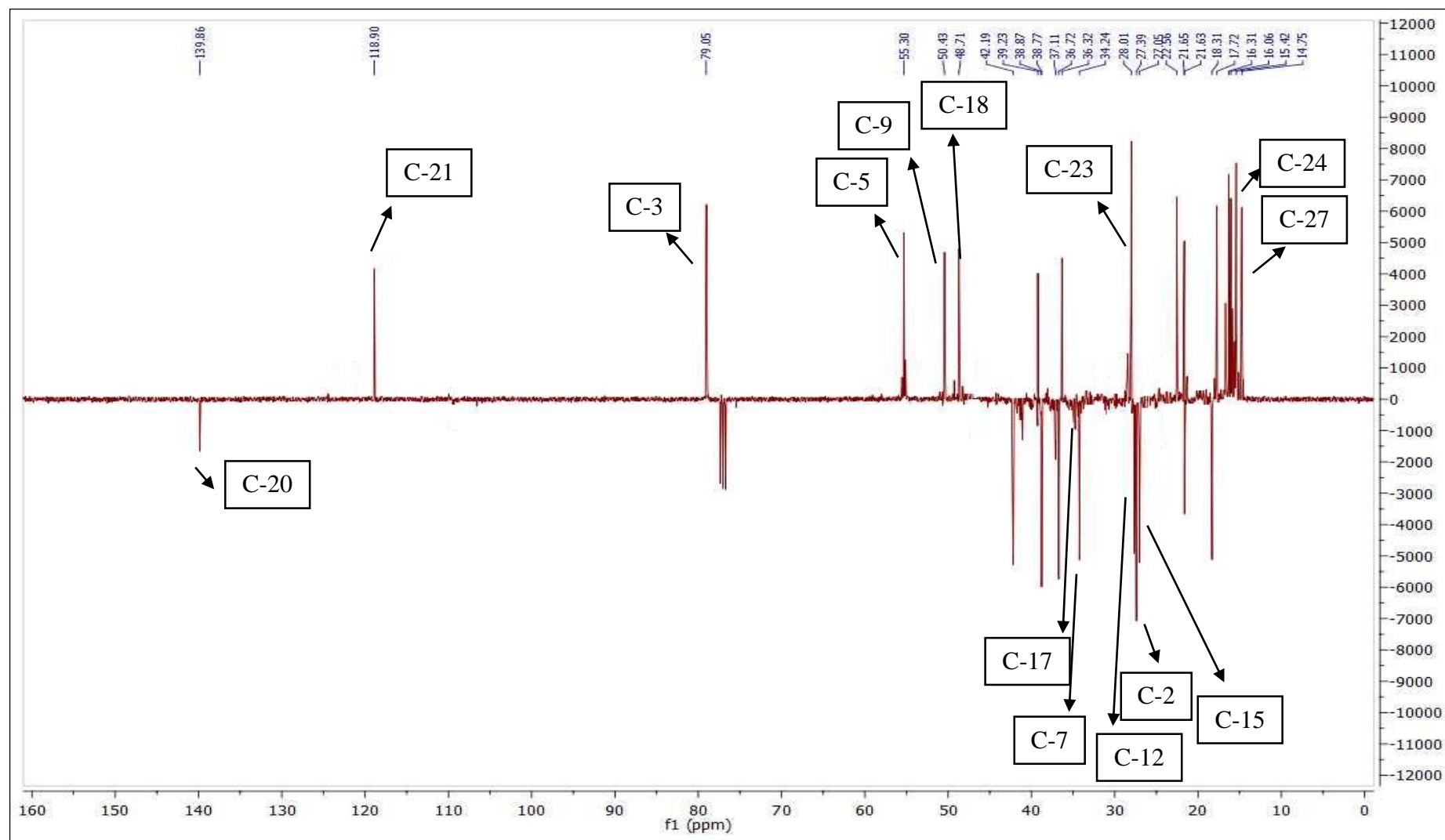


Figure S4. DEPT-Q NMR (100 MHz, CDCl₃ δ ppm) spectrum of compound 2.

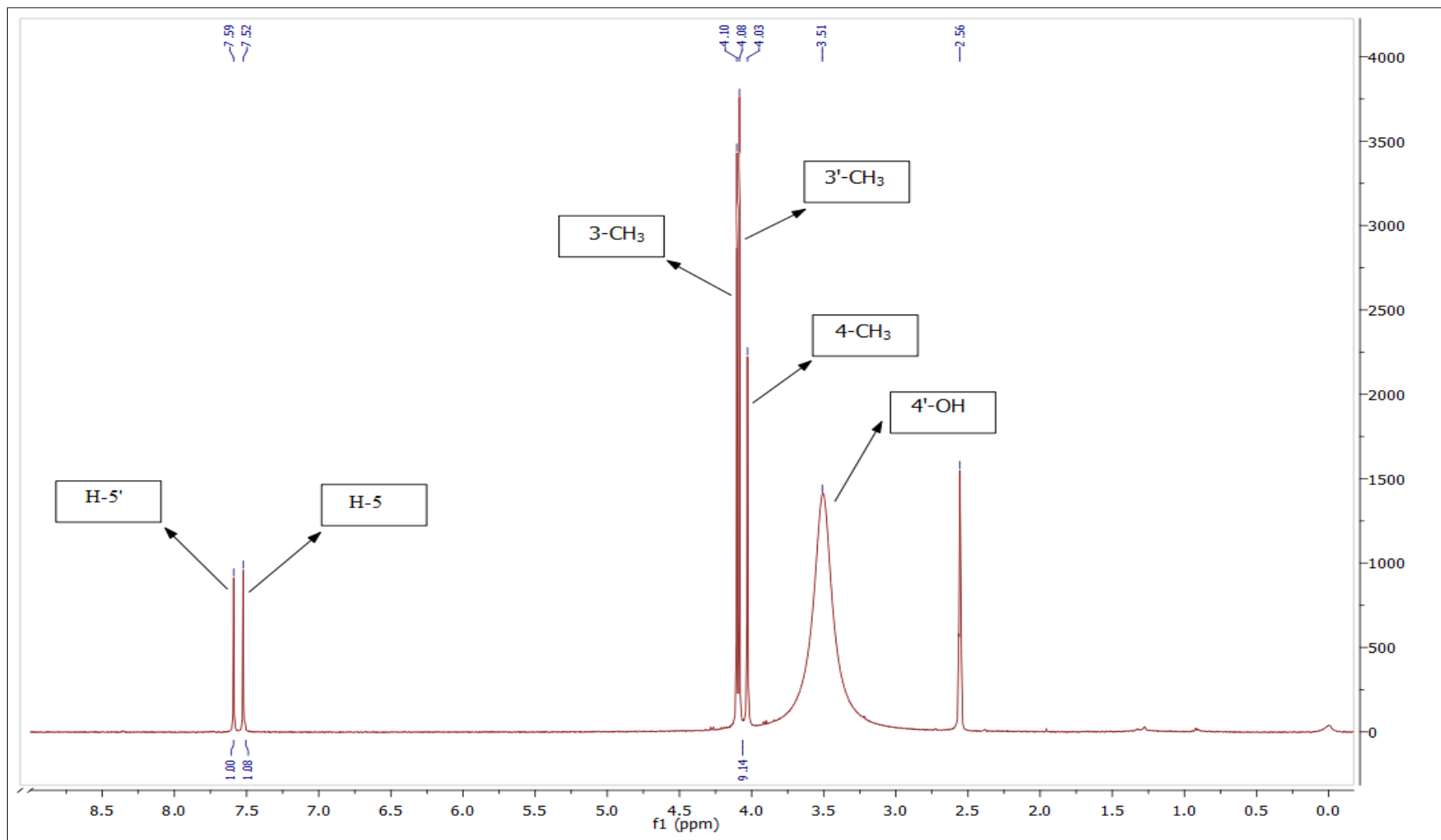


Figure S5. ^1H -NMR (400 MHz, $\text{DMSO}-d_6$ δ ppm) spectrum of compound **3**.

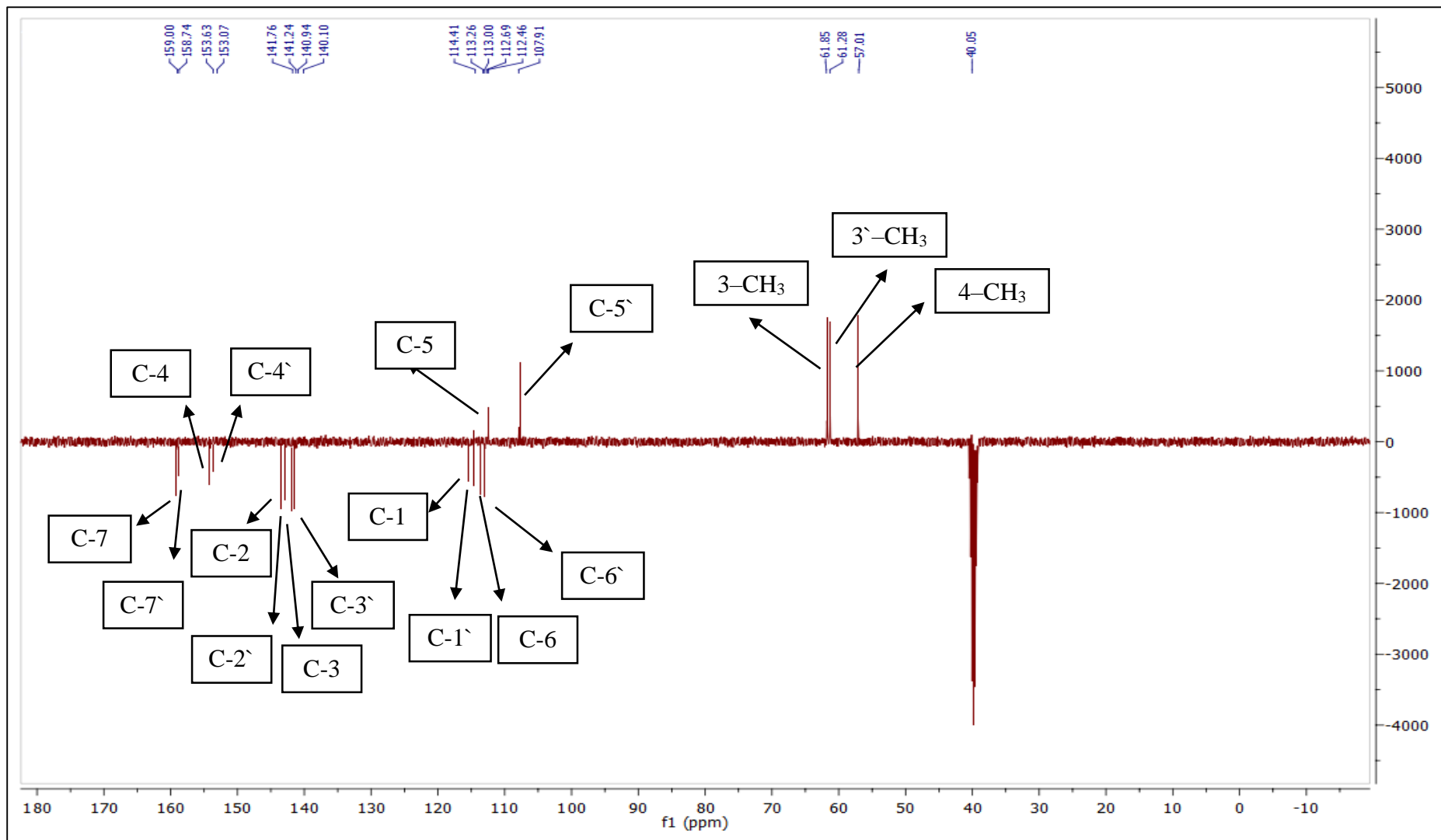


Figure S6. DEPT-Q NMR (100 MHz, DMSO- d_6 δ ppm) spectrum of compound **3**.

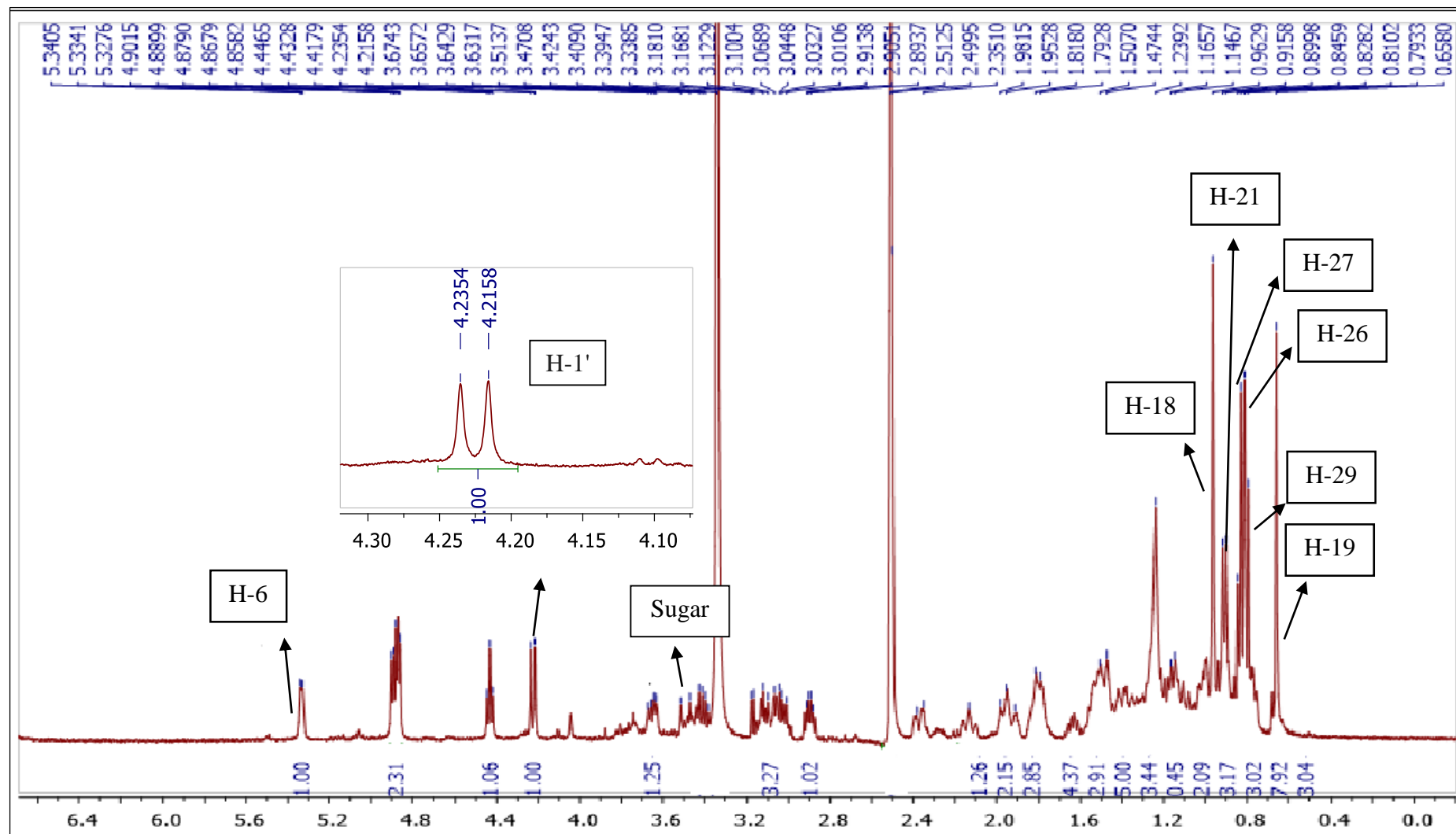


Figure S7. ^1H -NMR (400 MHz, $\text{DMSO}-d_6$ δ ppm) spectrum of compound **4**.

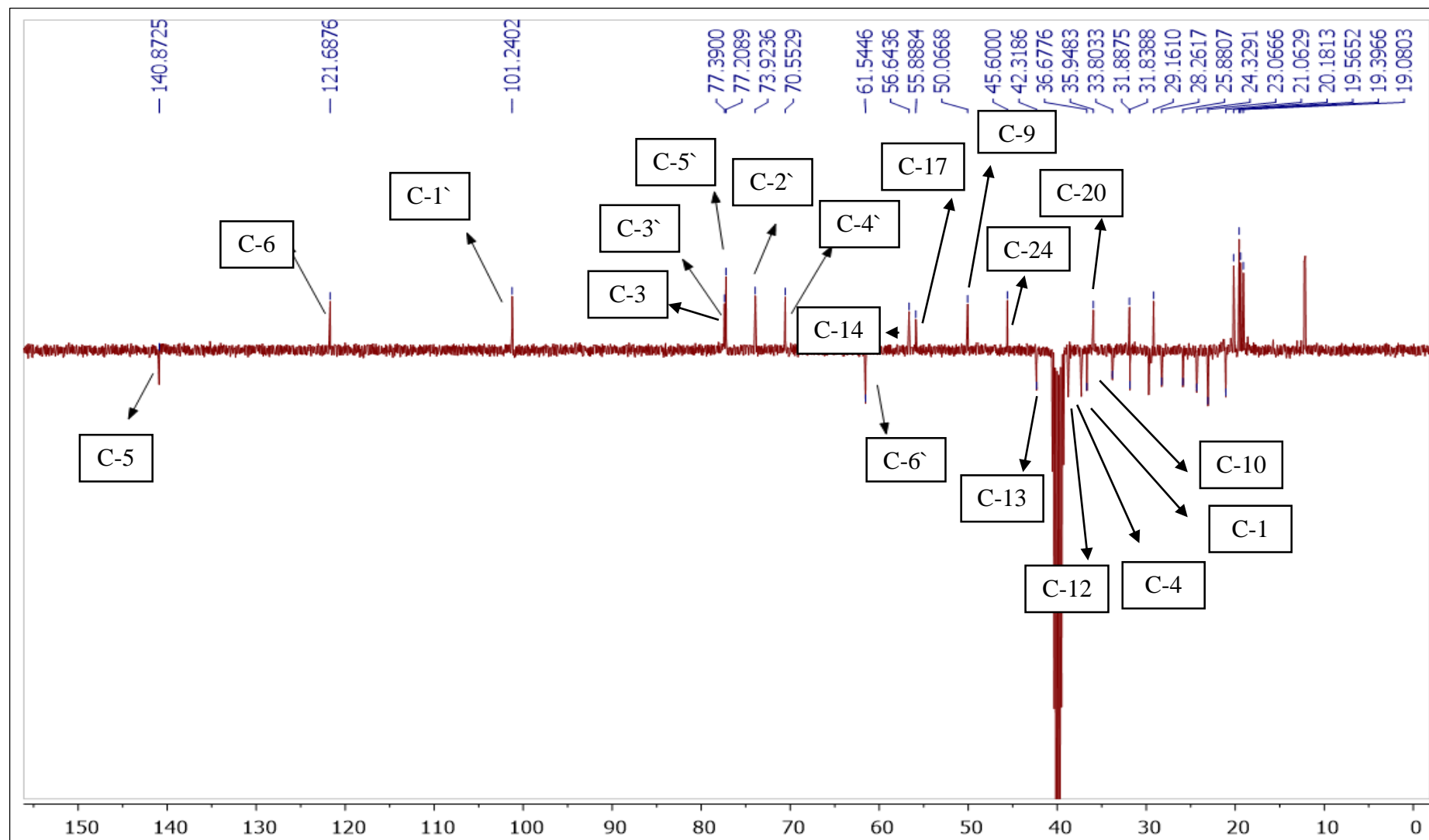


Figure S8. DEPT-Q NMR (100 MHz, DMSO-*d*₆ δ ppm) spectrum of compound 4.

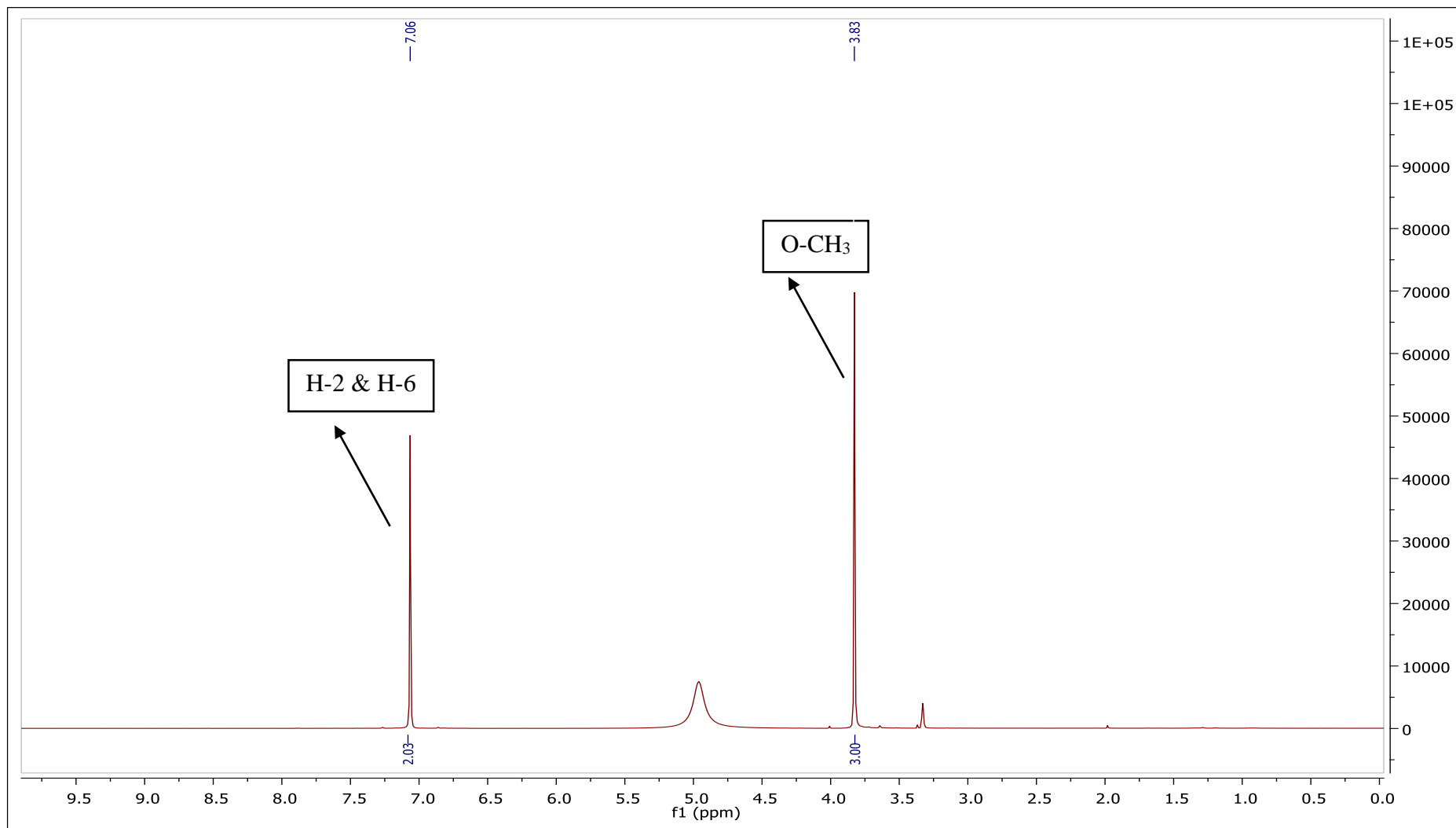


Figure S9. ^1H -NMR (400 MHz, CD_3OD δ ppm) spectrum of compound **5**.

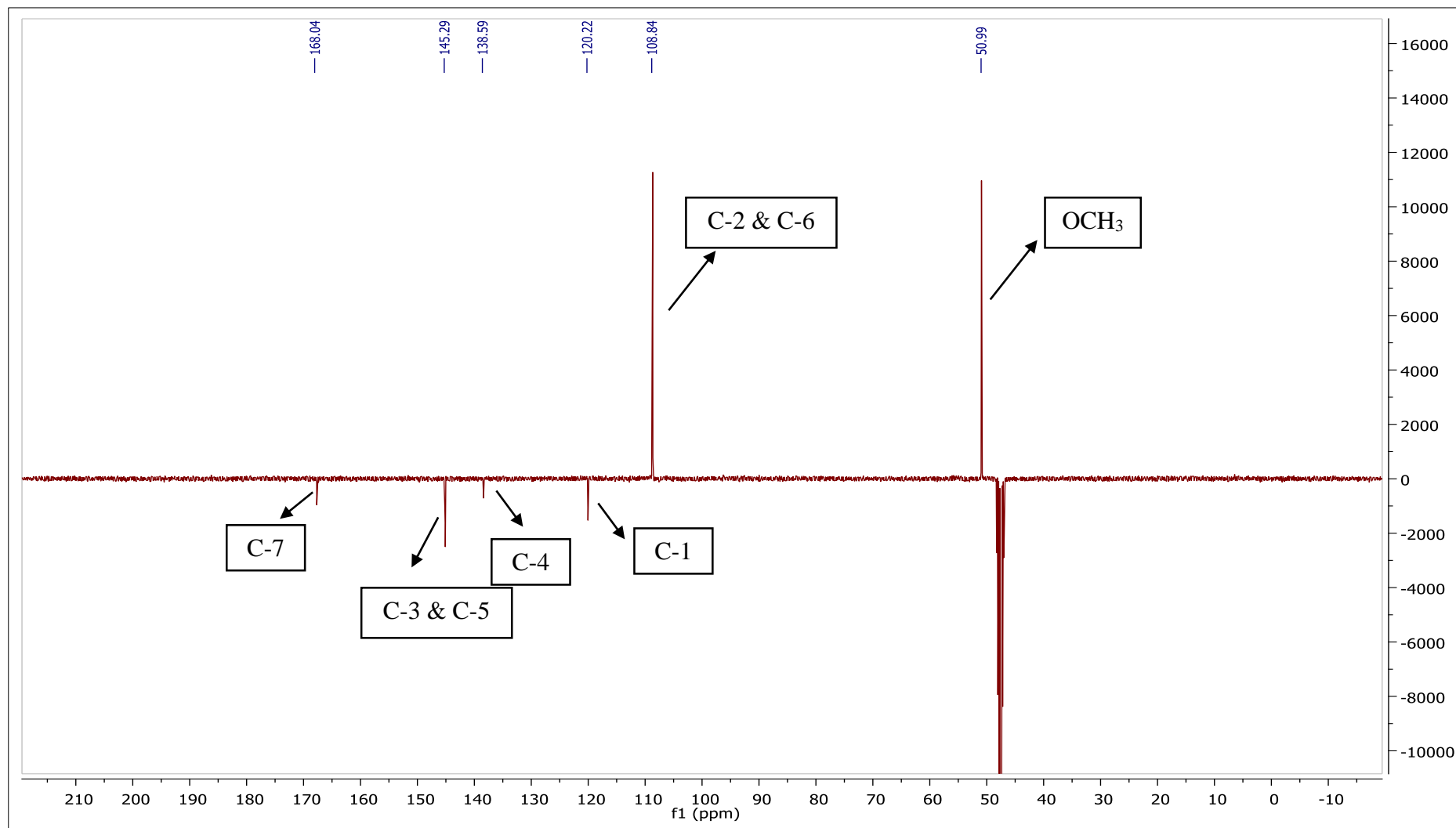


Figure S10. DEPT-Q NMR (100 MHz, CD₃OD δ ppm) spectrum of compound **5**.

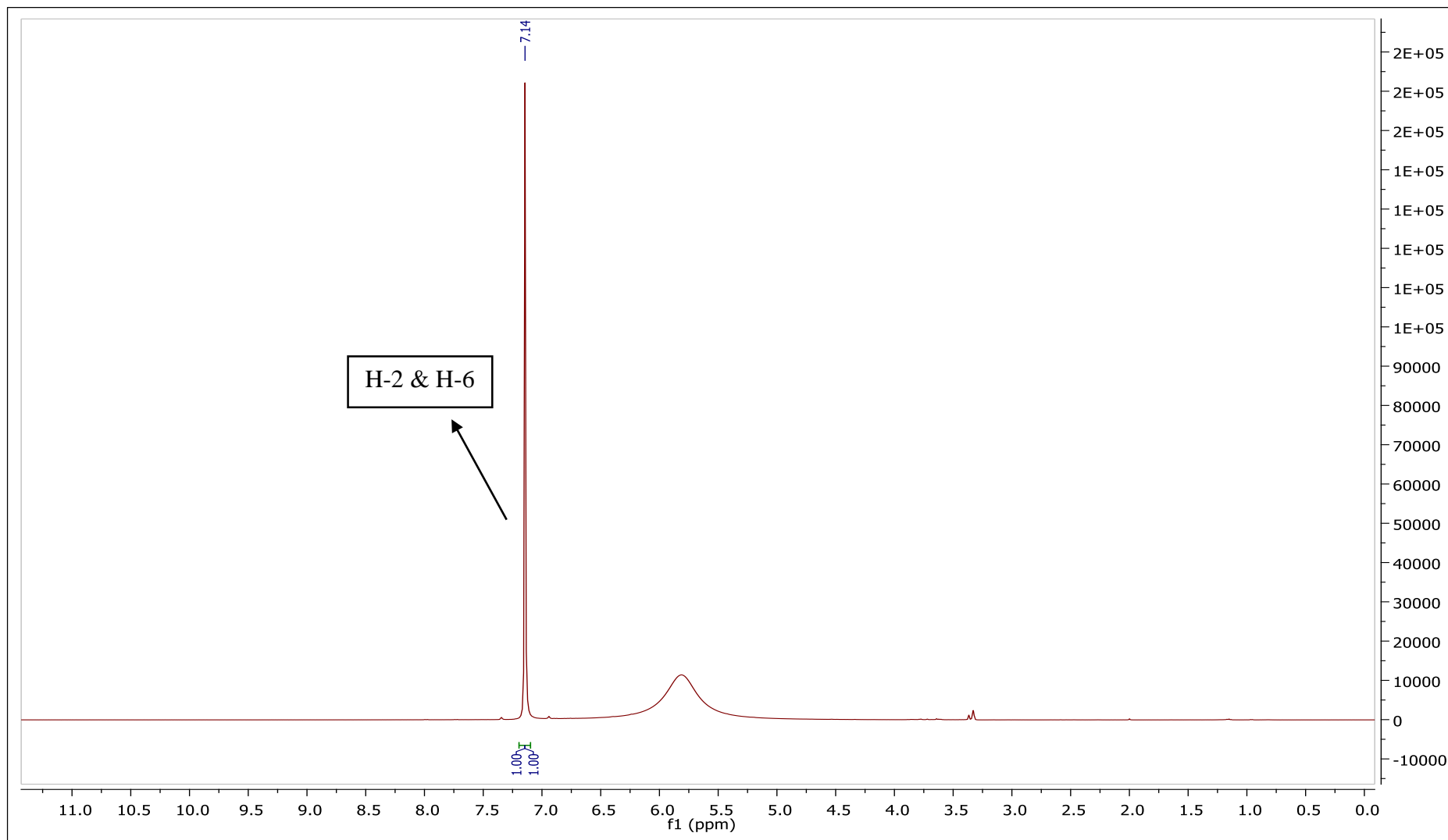


Figure S11. ^1H -NMR (400 MHz, CD_3OD δ ppm) spectrum of compound **6**.

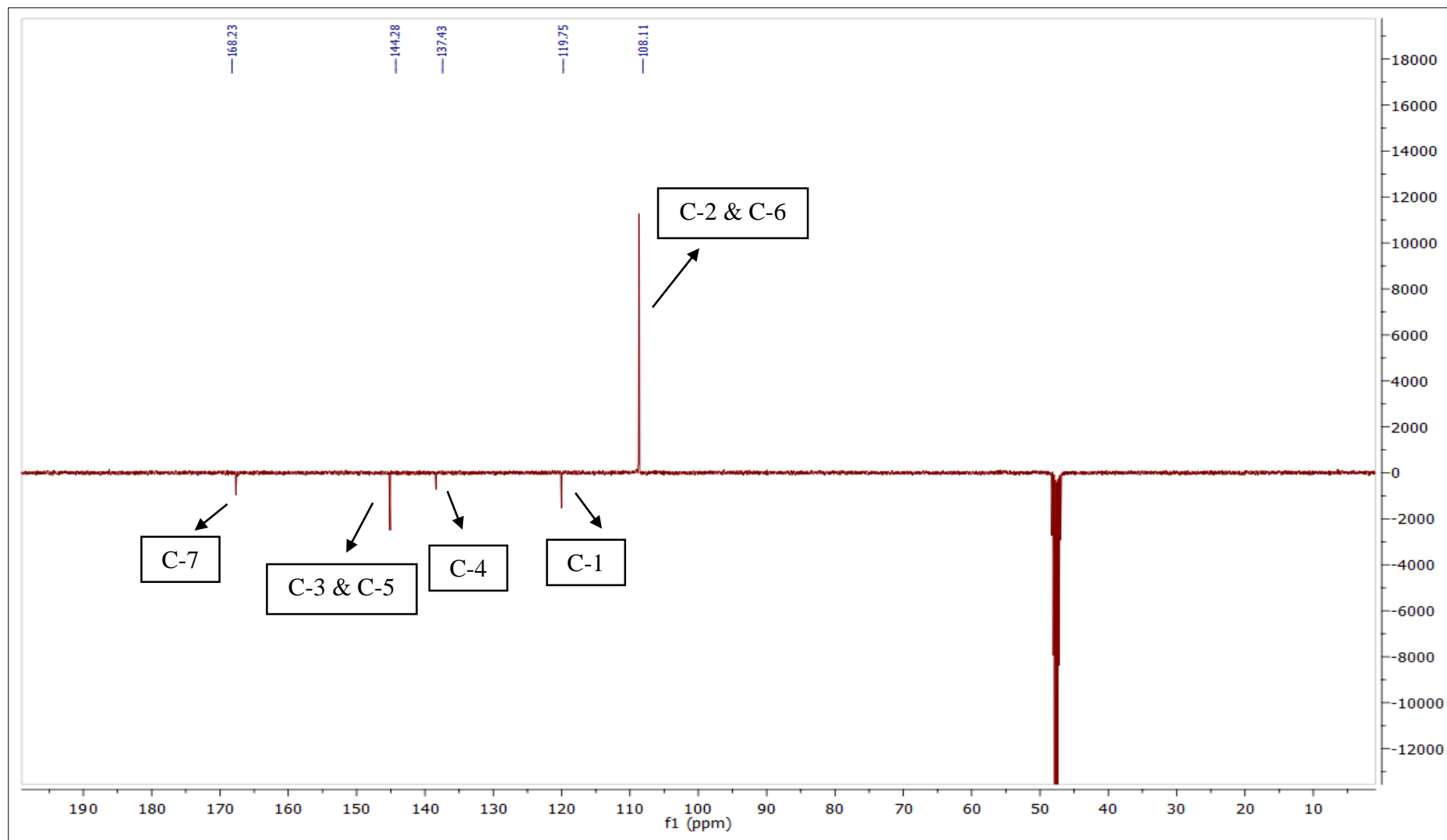


Figure S12. DEPT-Q NMR (100 MHz, CD₃OD δ ppm) spectrum of compound **6**.

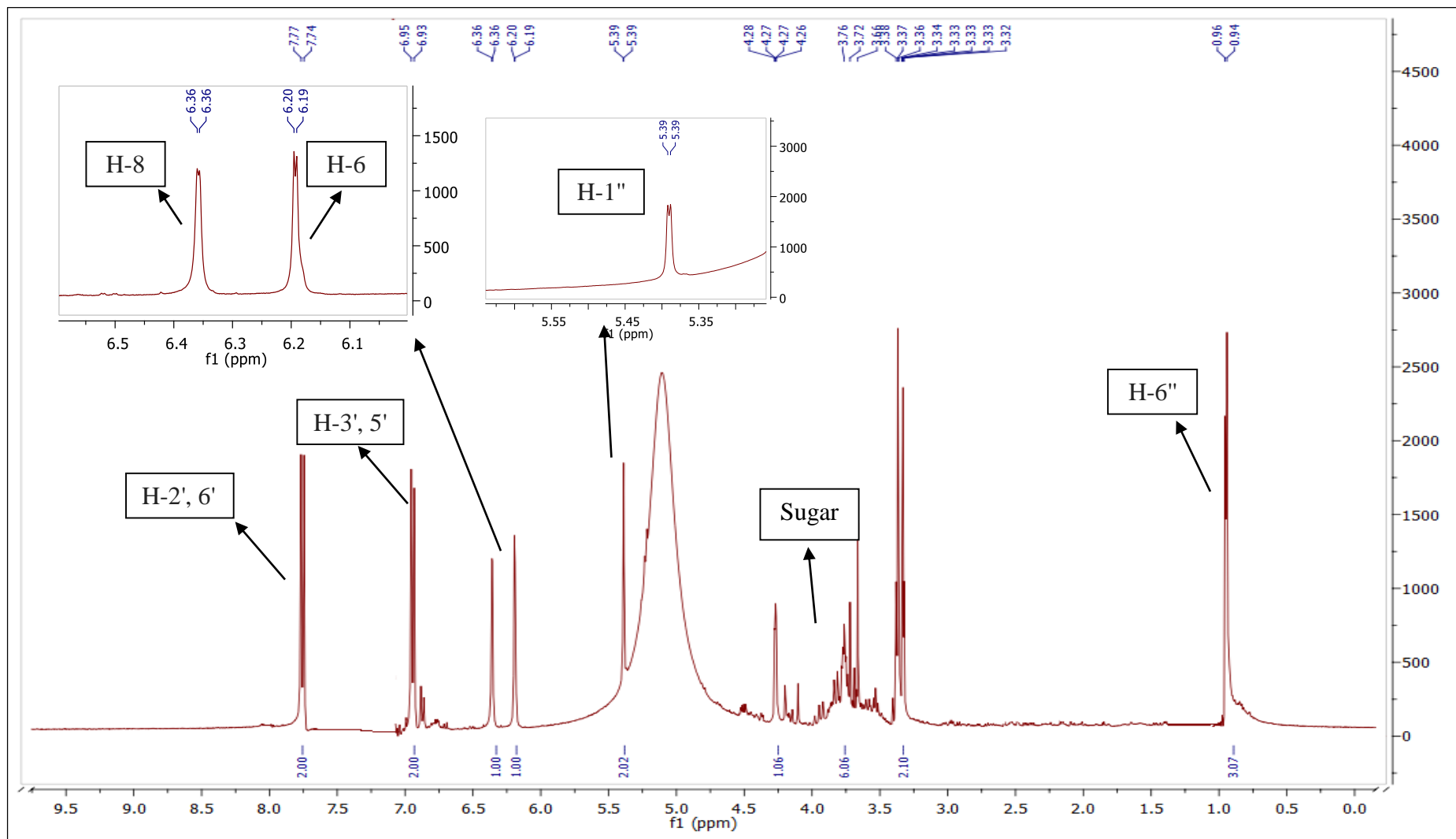


Figure S13. ^1H -NMR (400 MHz, CD_3OD δ ppm) spectrum of compound 7.

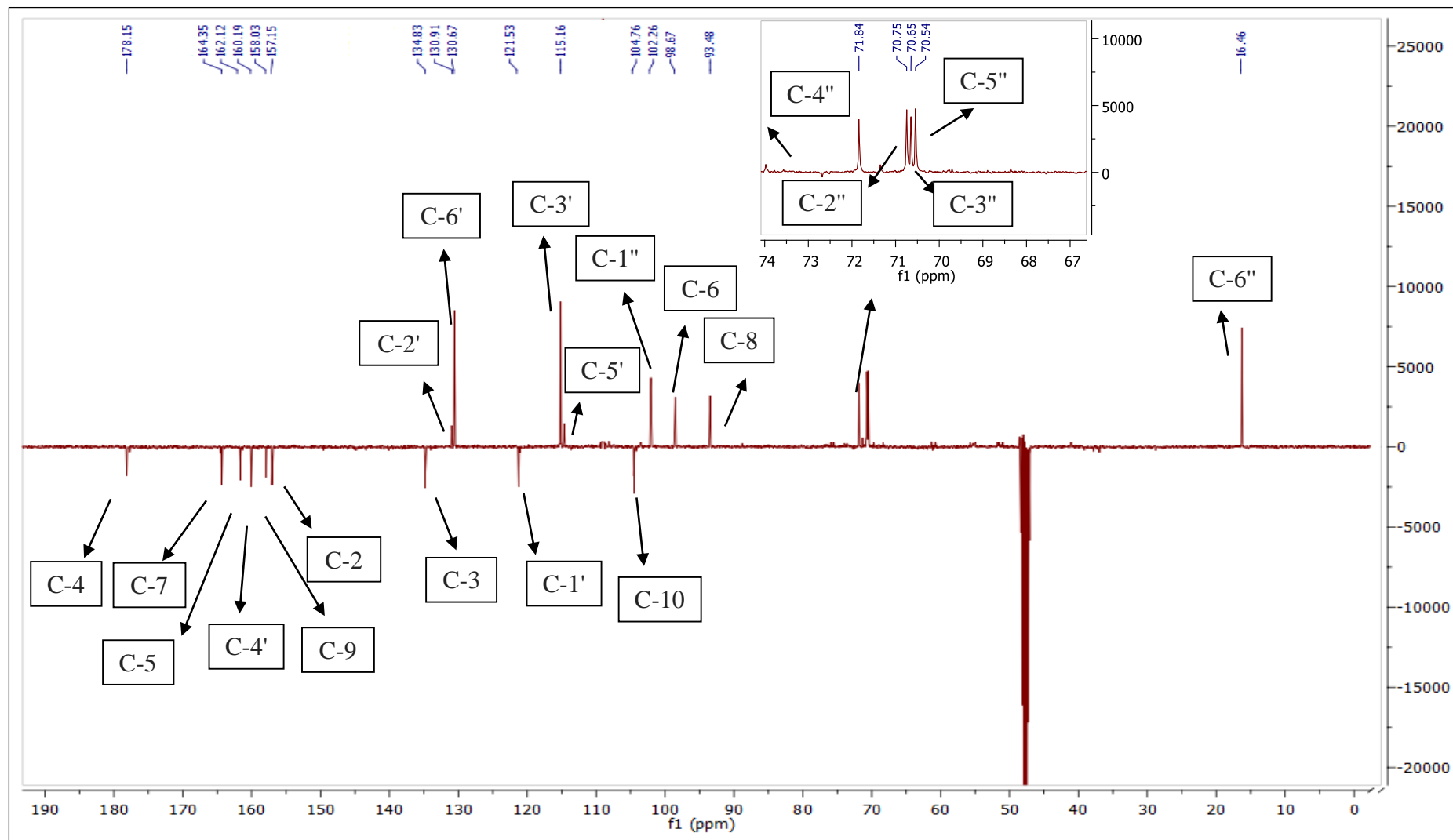


Figure S14. DEPT-Q NMR (100 MHz, CD₃OD δ ppm) spectrum of compound 7.

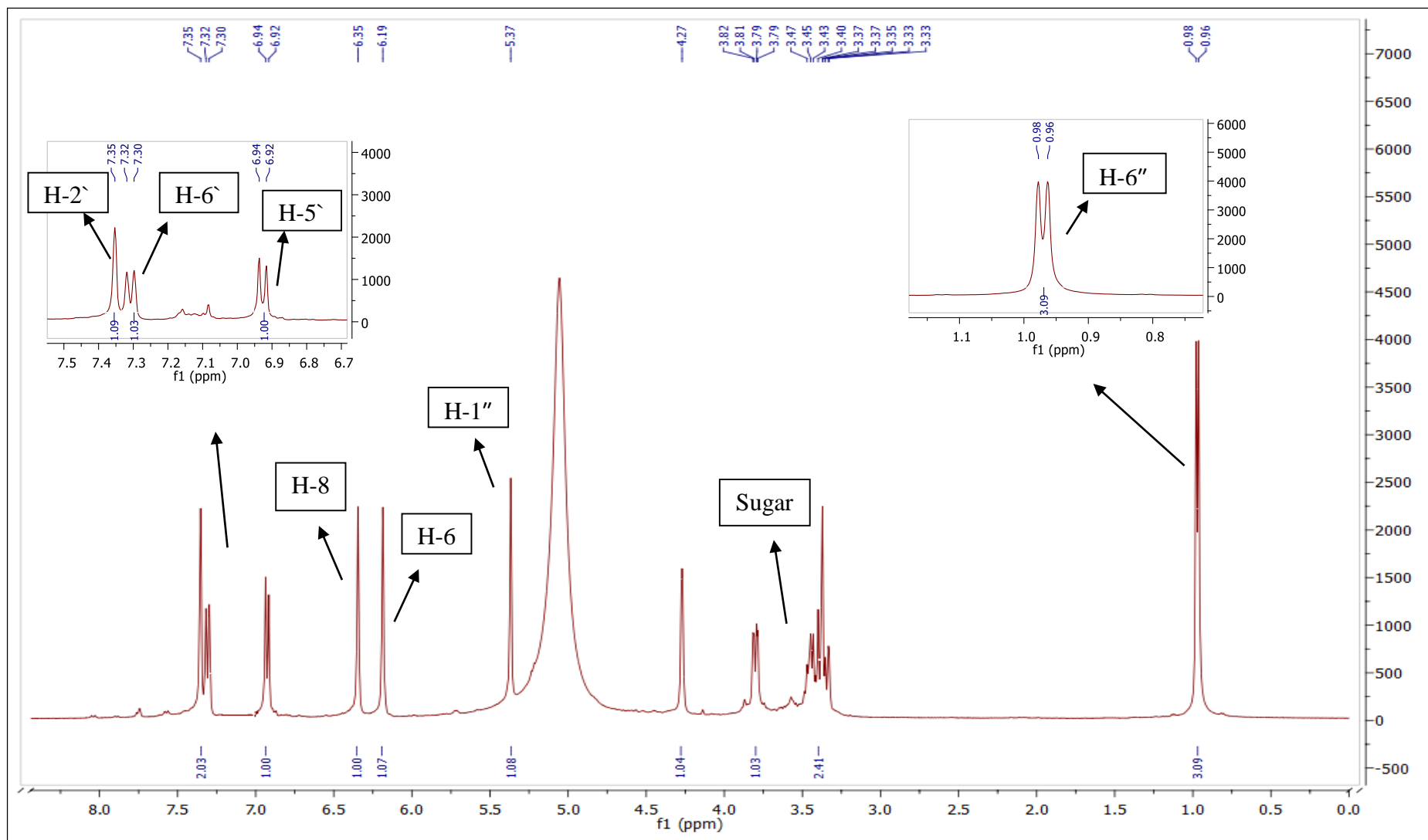


Figure S15. ^1H -NMR (400 MHz, CD_3OD δ ppm) spectrum of compound **8**.

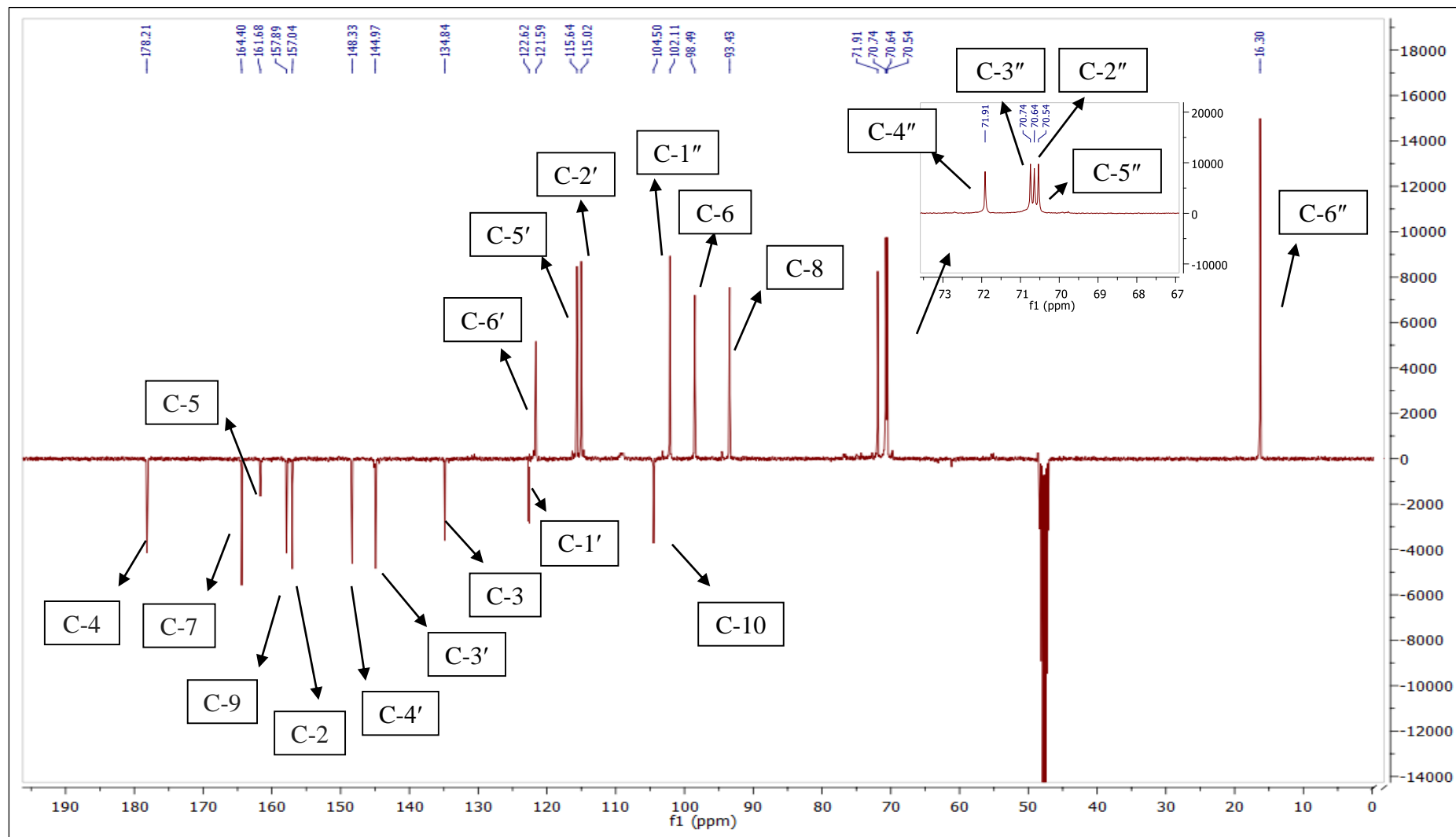


Figure S16. DEPT-Q NMR (100 MHz, CD₃OD δ ppm) spectrum of compound **8**.

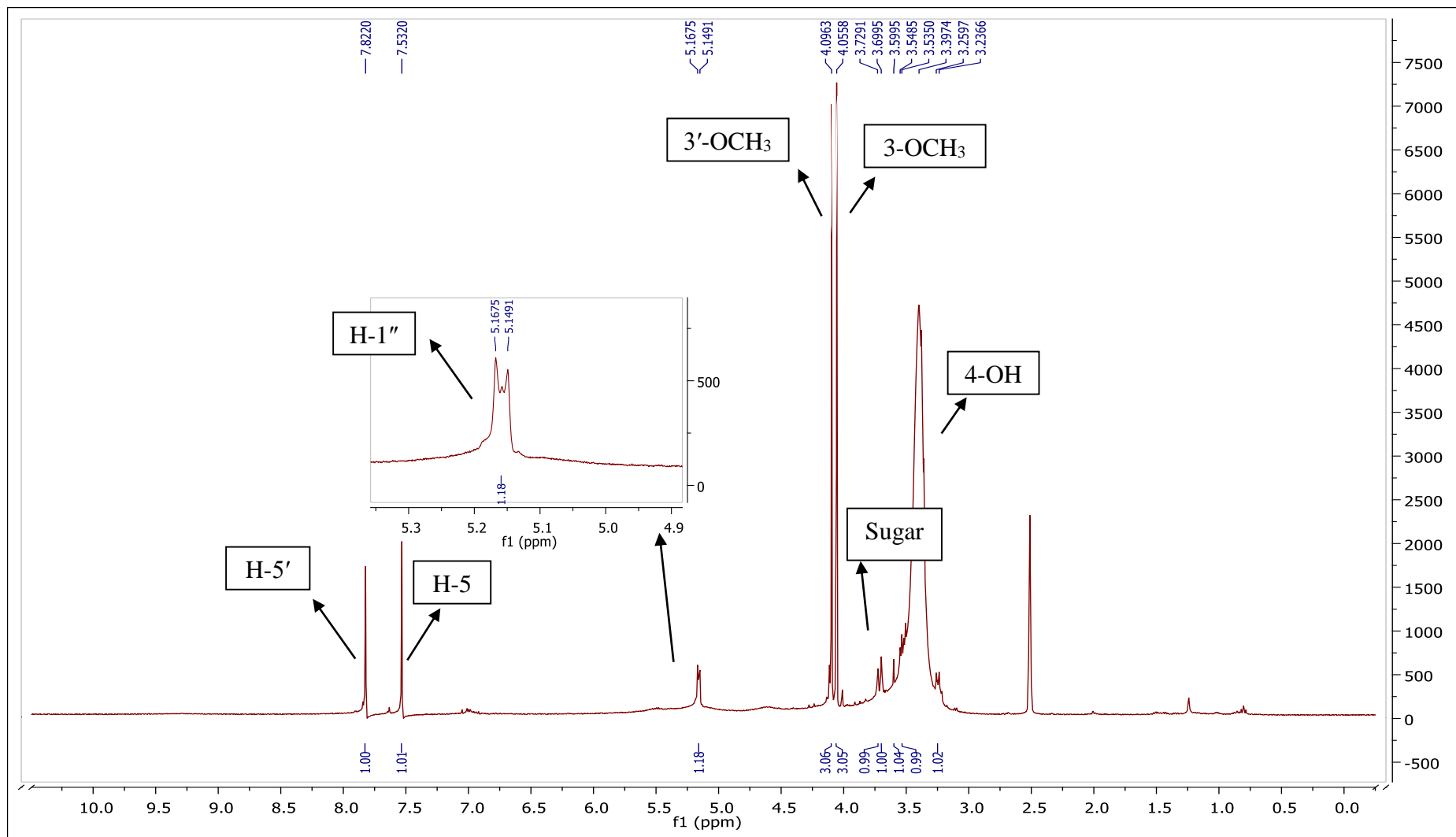


Figure S17. ¹H-NMR (400 MHz, DMSO-*d*₆ δ ppm) spectrum of compound **9**.

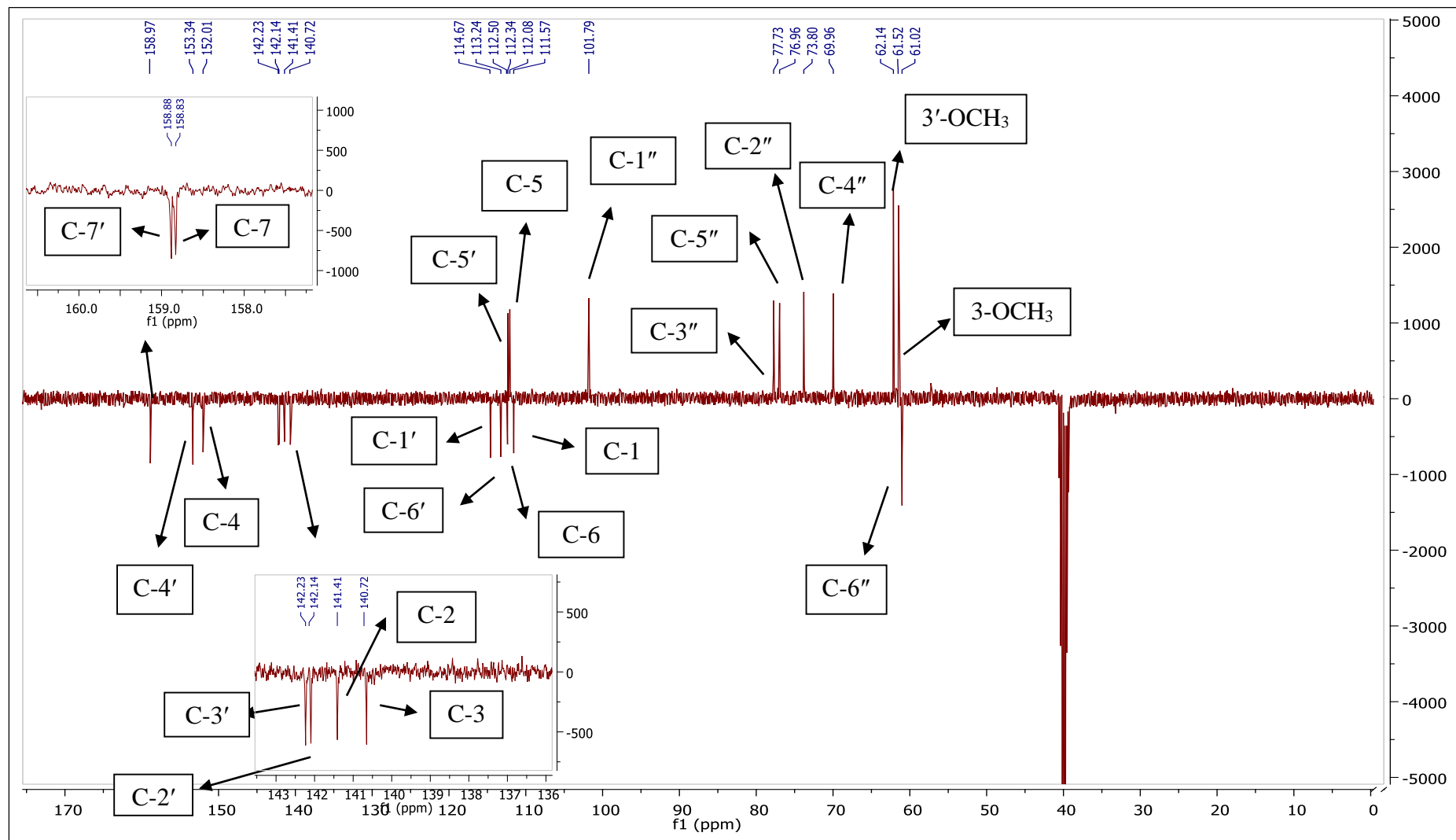


Figure S18. DEPT-Q NMR (100 MHz, DMSO-*d*₆ δ ppm) spectrum of compound **9**.

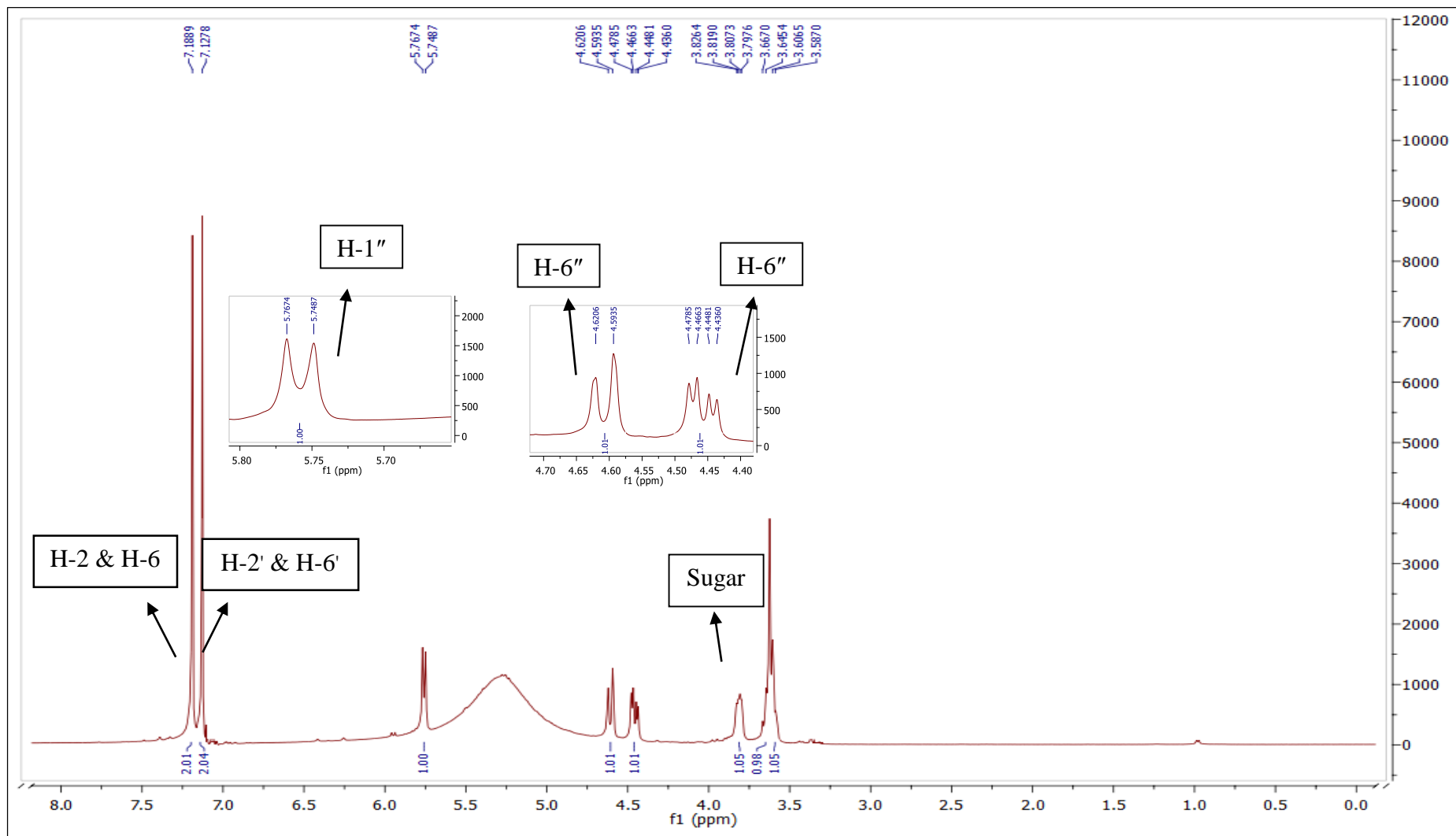


Figure S19. ^1H -NMR (400 MHz, CD_3OD δ ppm) spectrum of compound **10**.

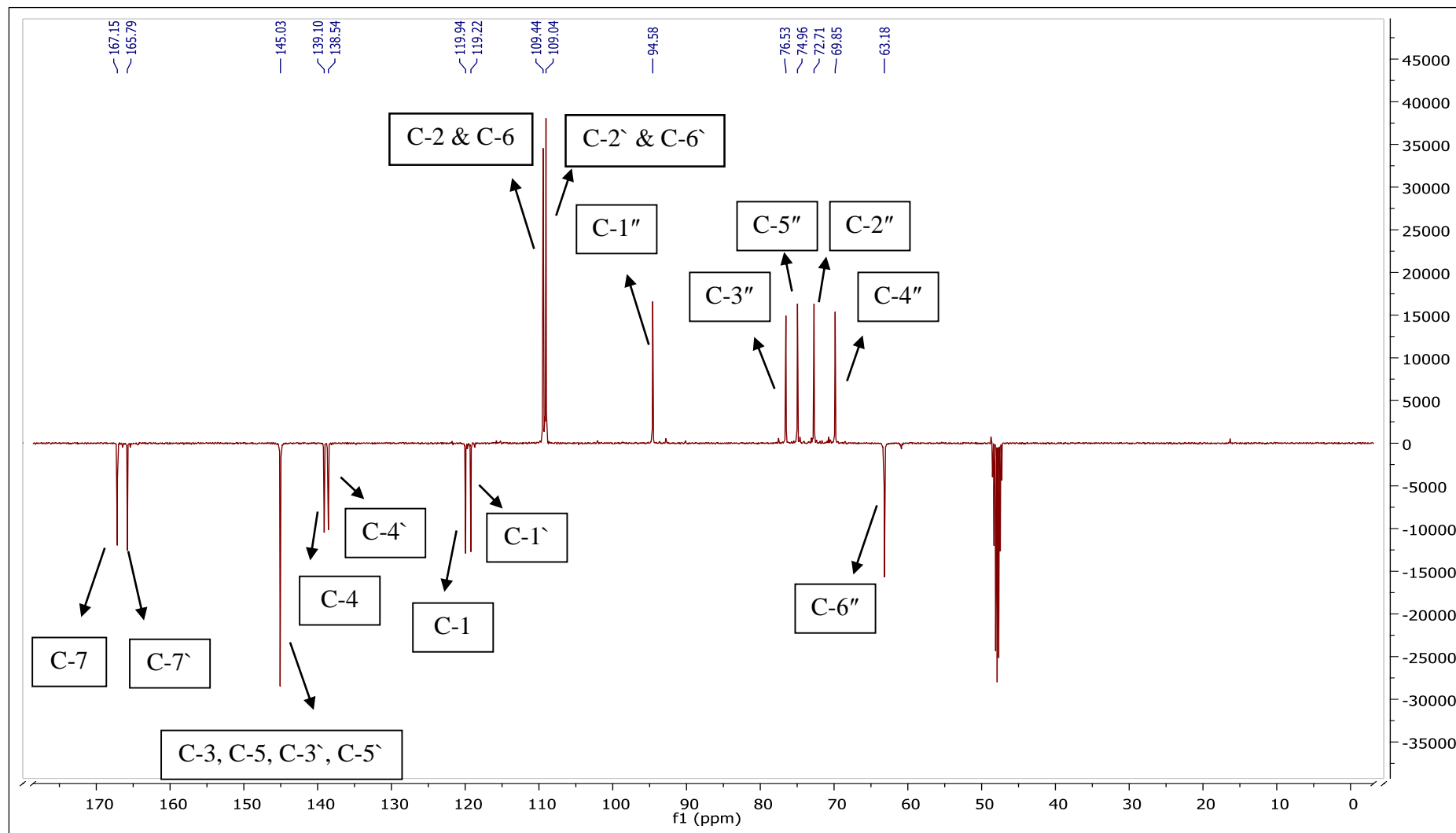


Figure S20. DEPT-Q NMR (100 MHz, CD₃OD δ ppm) spectrum of compound **10**.

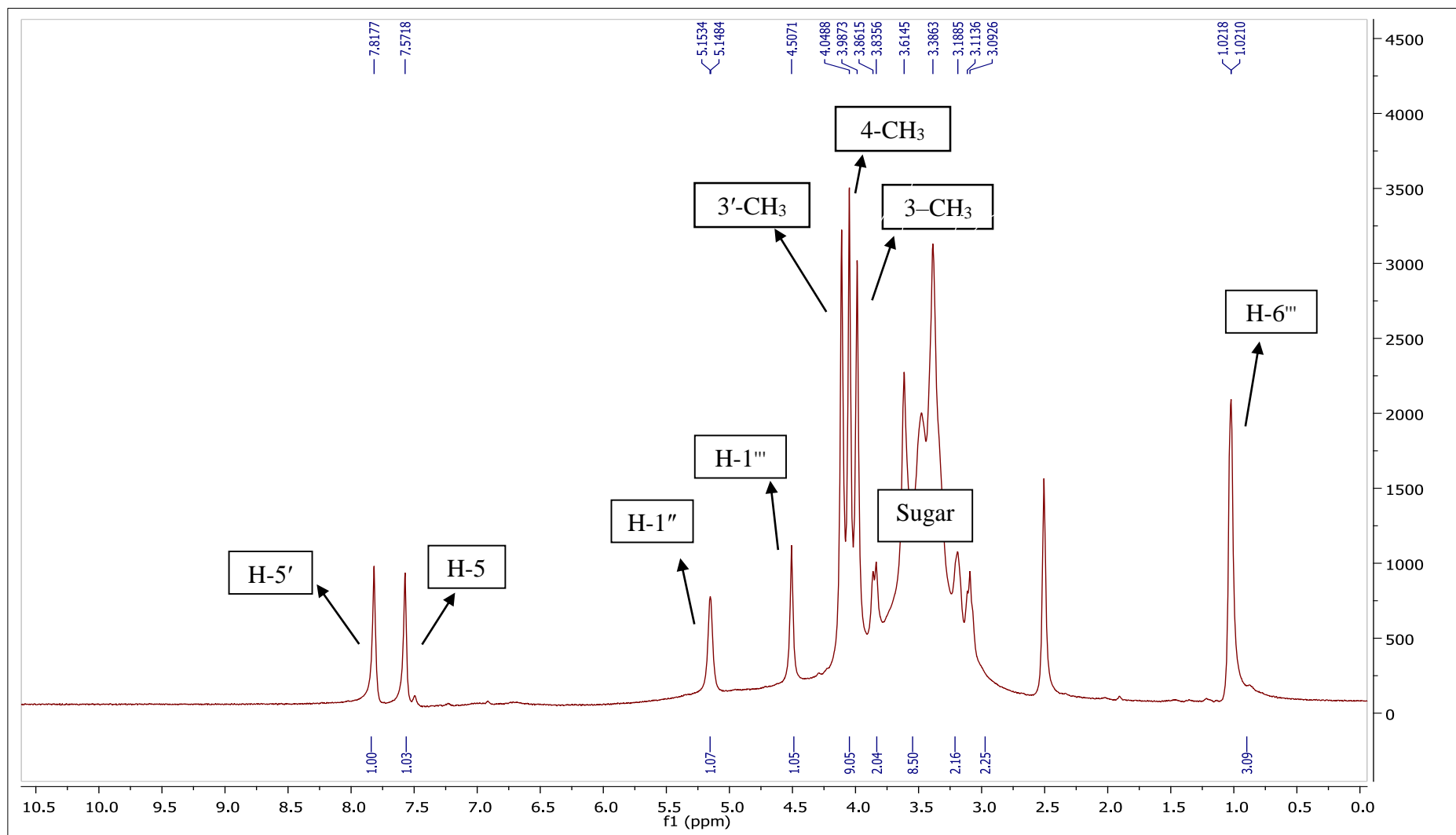


Figure S21. ¹H-NMR (400 MHz, DMSO-*d*₆ δ ppm) spectrum of compound **11**.

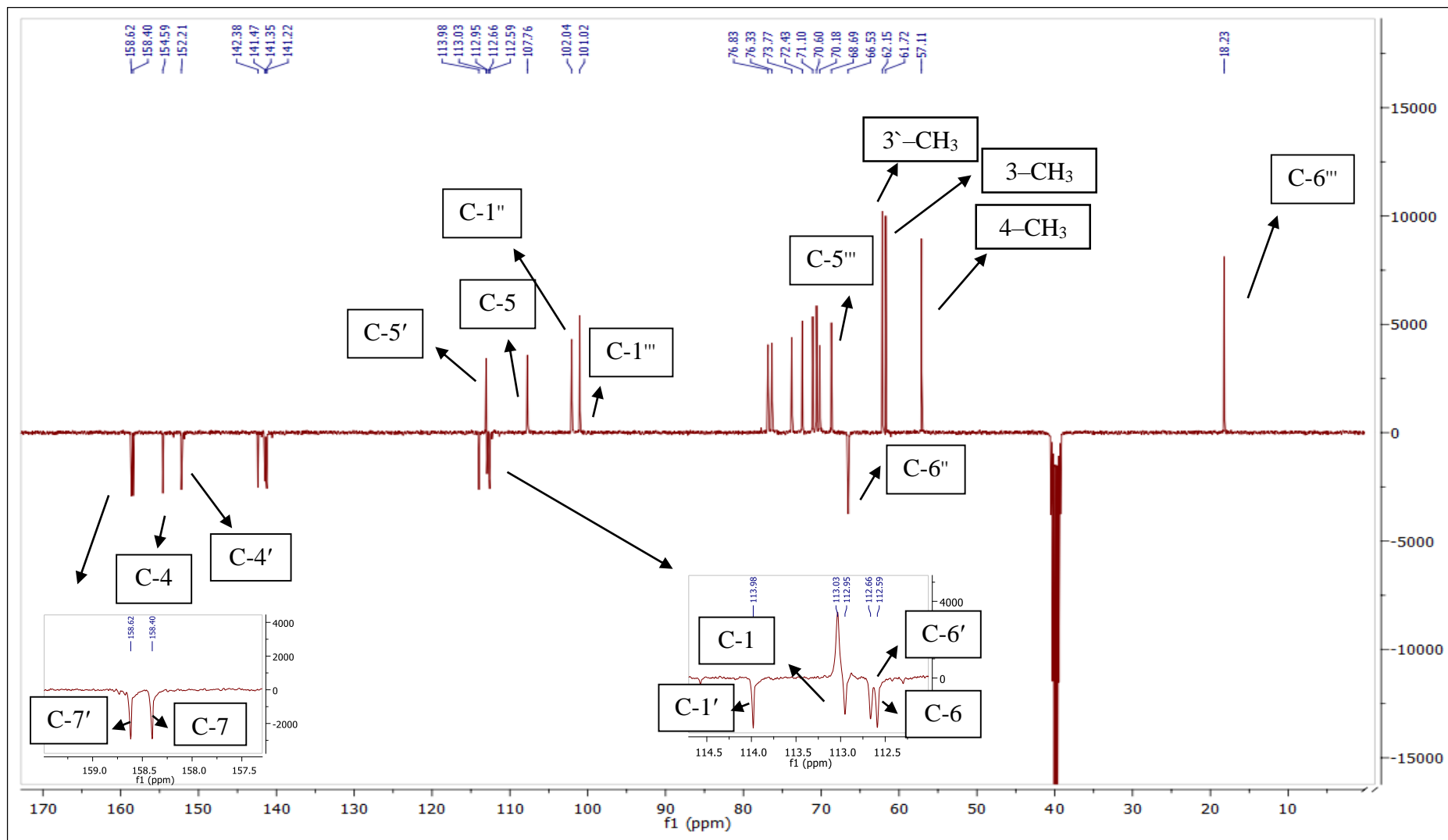


Figure S22. DEPT-Q NMR (100 MHz, DMSO- d_6 δ ppm) spectrum of compound **11**

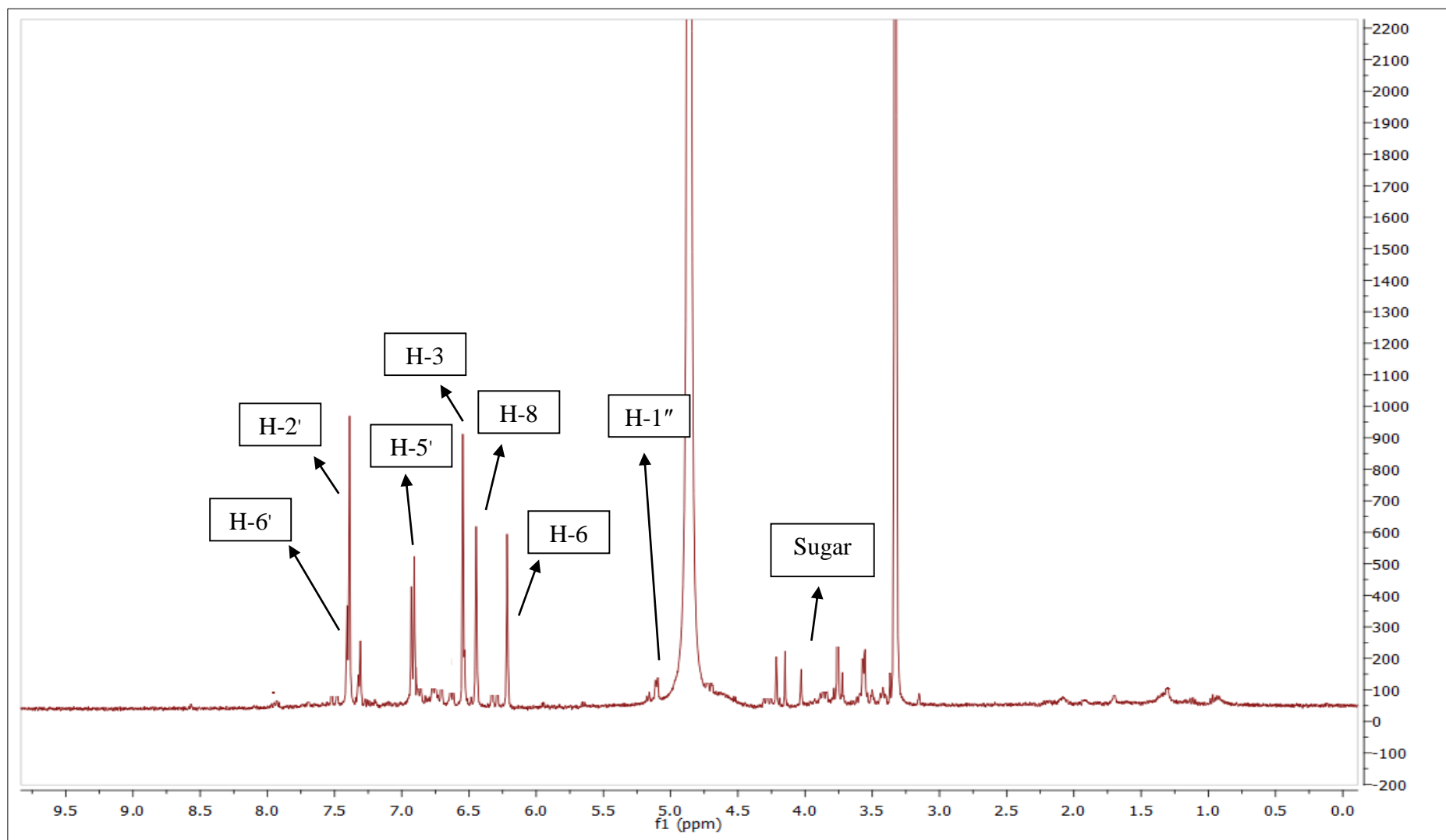


Figure S23. ^1H -NMR (400 MHz, CD_3OD δ ppm) spectrum of compound **12**.

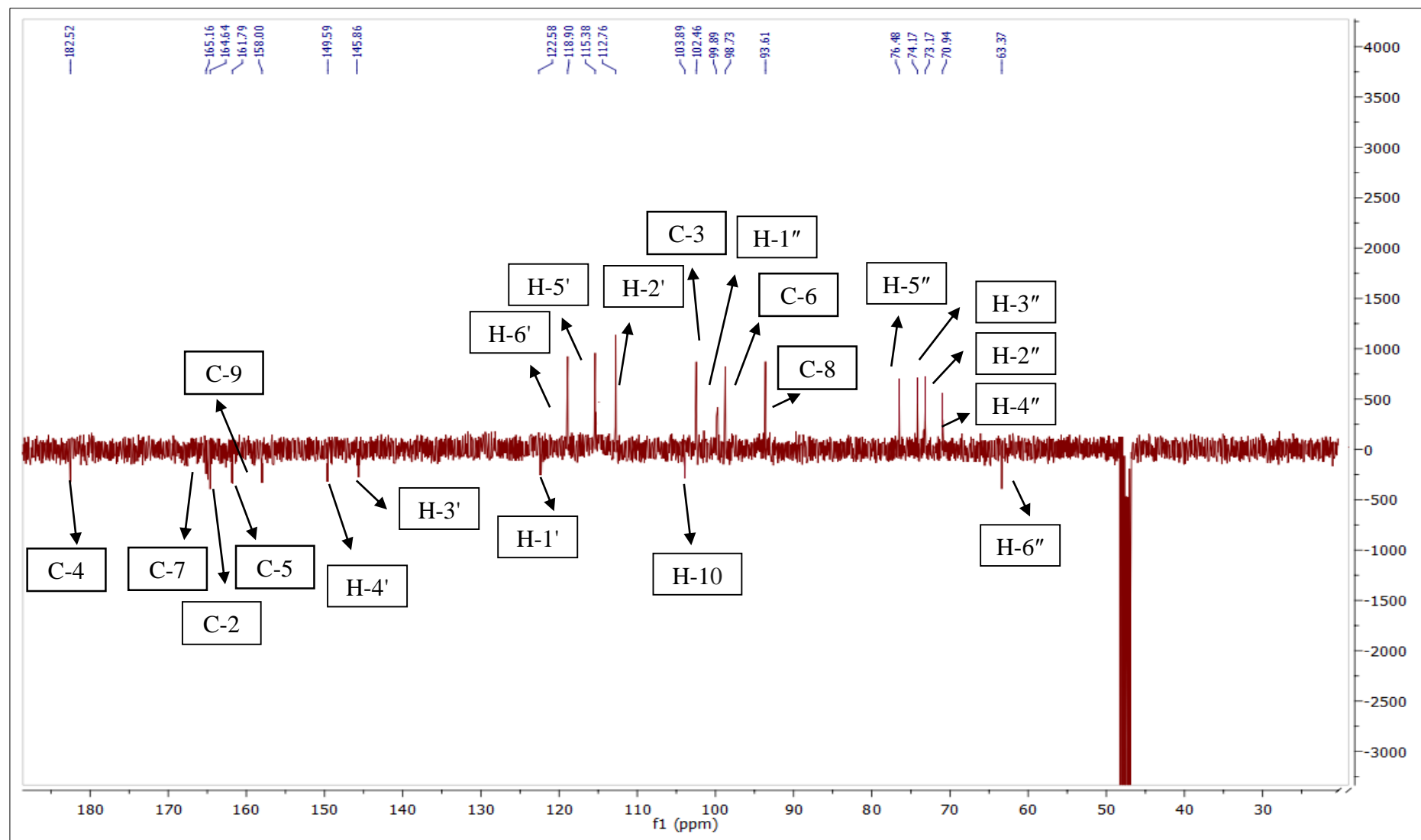


Figure S24. DEPT-Q NMR (100 MHz, CD₃OD δ ppm) spectrum of compound **12**.