

Supporting Information

Trichosterol A, a unique 6/6/6/5/6-fused steroid-alkaloid hybrid with bioherbicidal activity from *Trichoderma koningiopsis*

Shuyuan Mo,^{†a,b} Jian Yang,^{†b} Jie Zhao,^{†a} Jianping Wang,^{*a} Yonghui Zhang^{*a} and Zhengxi Hu^{*a,c}

^a*Hubei Key Laboratory of Natural Medicinal Chemistry and Resource Evaluation School of Pharmacy, Tongji Medical College, Huazhong University of Science and Technology, Wuhan 430030, China. E-mail addresses: hzx616@126.com (Z. Hu); zhangyh@mails.tjmu.edu.cn (Y. Zhang); jpwang1001@163.com (J. Wang)*

^b*Department of Pharmacy, Renmin Hospital of Wuhan University, Wuhan 430060, China*

^c*Hubei Shizhen Laboratory, Wuhan 430061, China*

*Corresponding author.

Tel.: 86-027-83692892.

E-mail addresses: hzx616@126.com (Z. Hu); zhangyh@mails.tjmu.edu.cn (Y. Zhang); jpwang1001@163.com (J. Wang)

[†]These authors contributed equally to this work.

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Figure S1. ^1H NMR spectrum of compound **1** (Recorded in $\text{C}_5\text{D}_5\text{N}$)

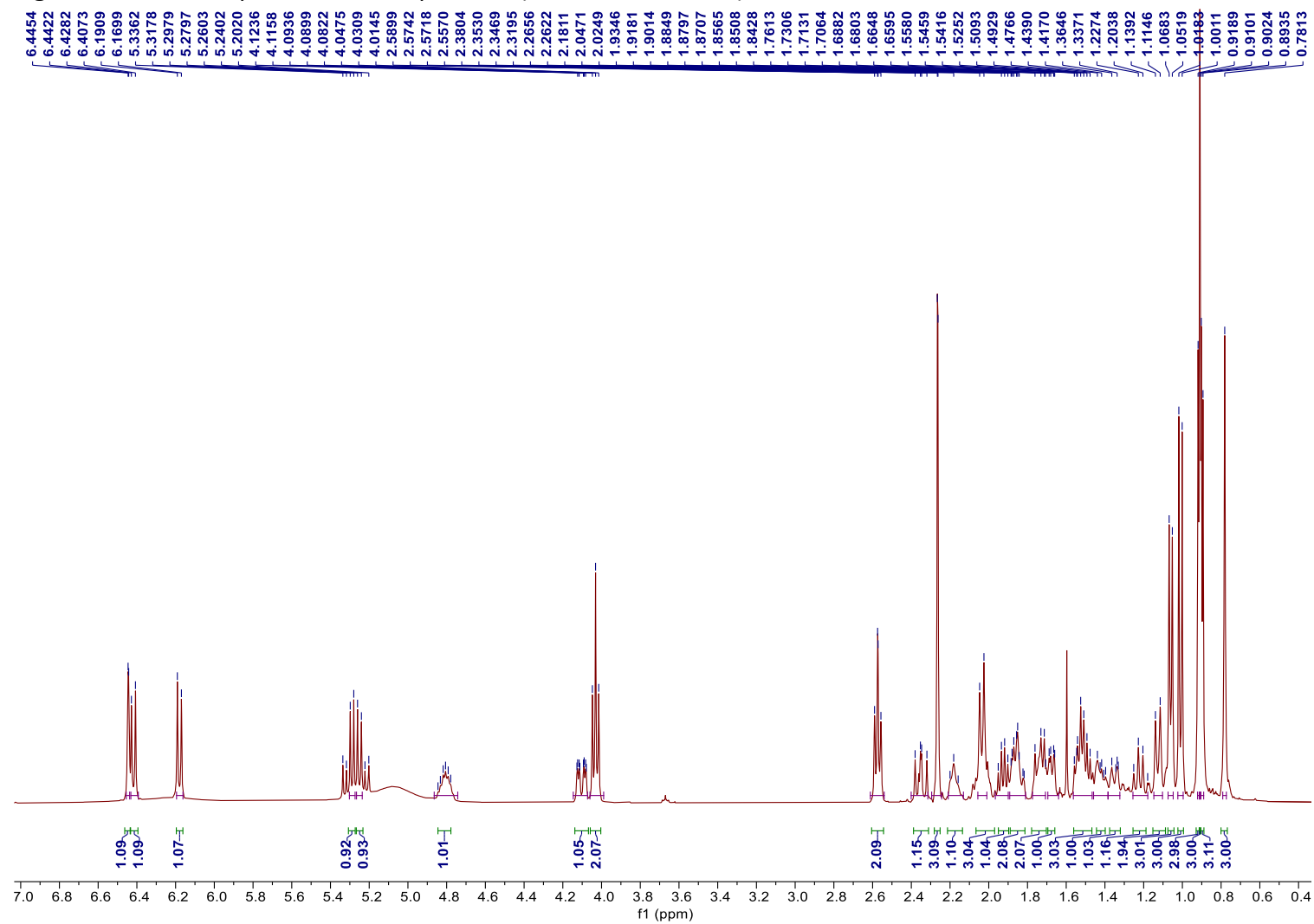


Figure S2. ^{13}C NMR and DEPT spectra of compound **1** (Recorded in $\text{C}_5\text{D}_5\text{N}$)

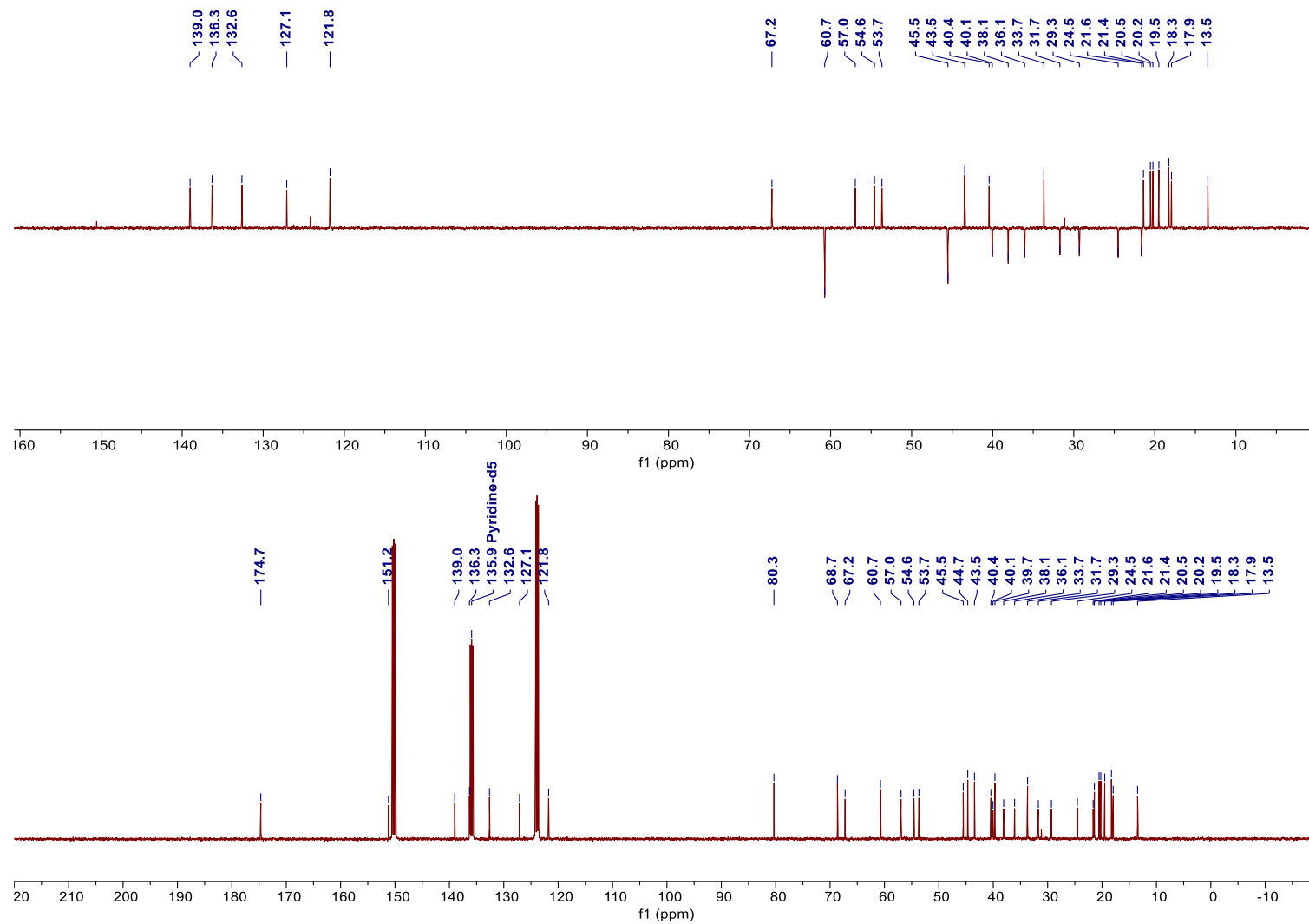


Figure S3. HSQC spectrum of compound **1** (Recorded in C₅D₅N)

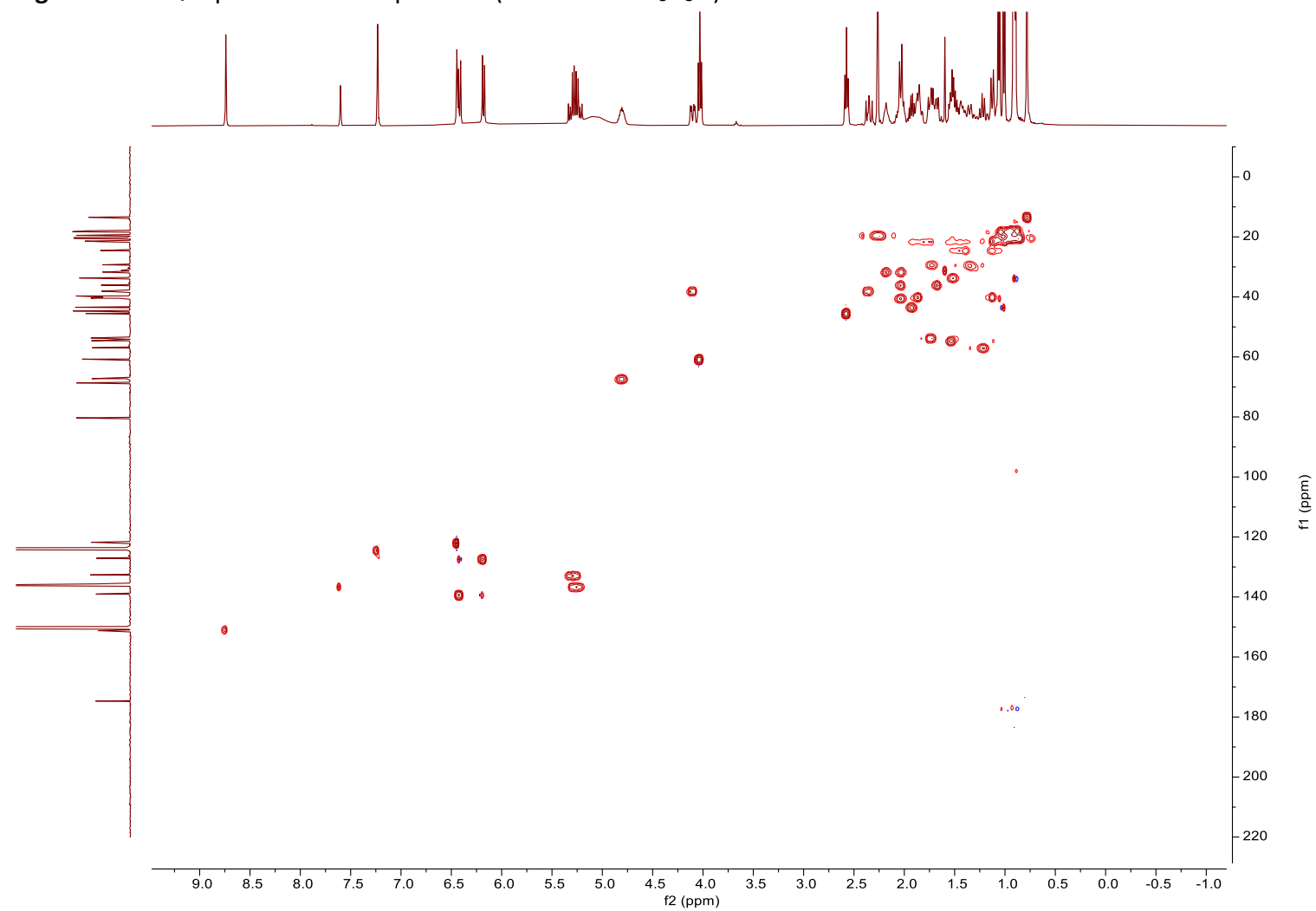


Figure S4. ^1H - ^1H COSY spectrum of compound **1** (Recorded in $\text{C}_5\text{D}_5\text{N}$)

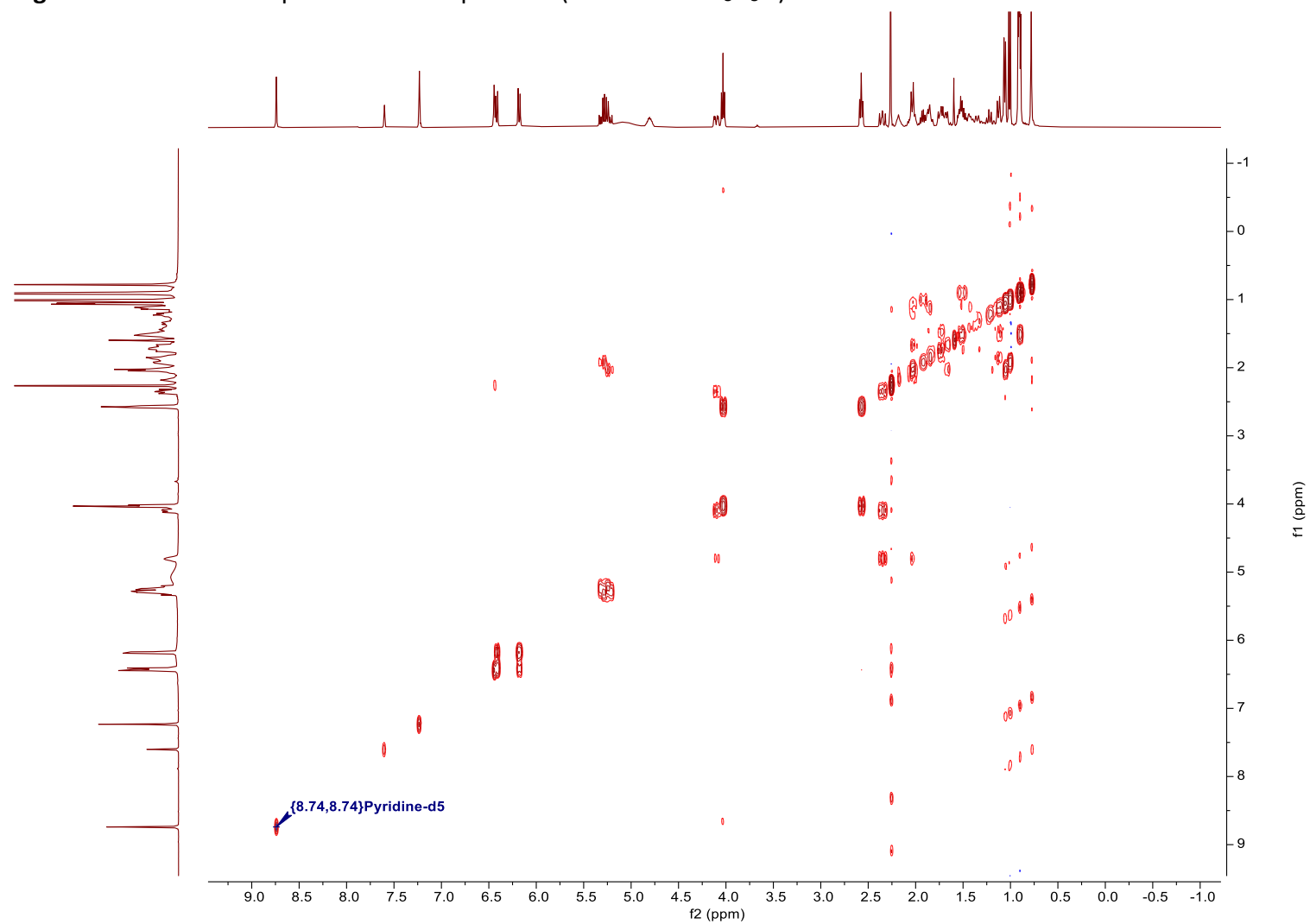


Figure S5. HMBC spectrum of compound **1** (Recorded in C₅D₅N)

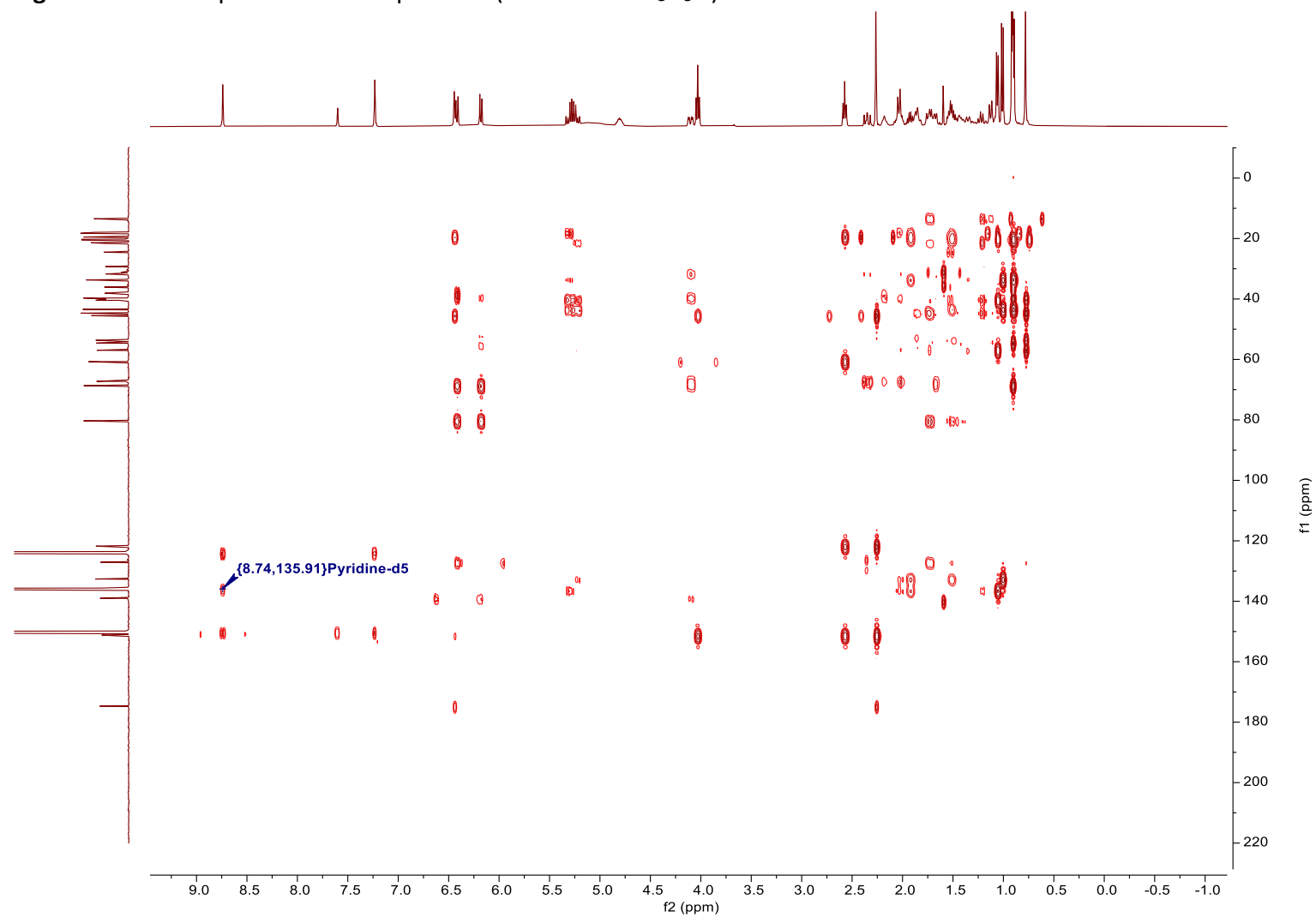


Figure S6. NOESY spectrum of compound **1** (Recorded in C₅D₅N)

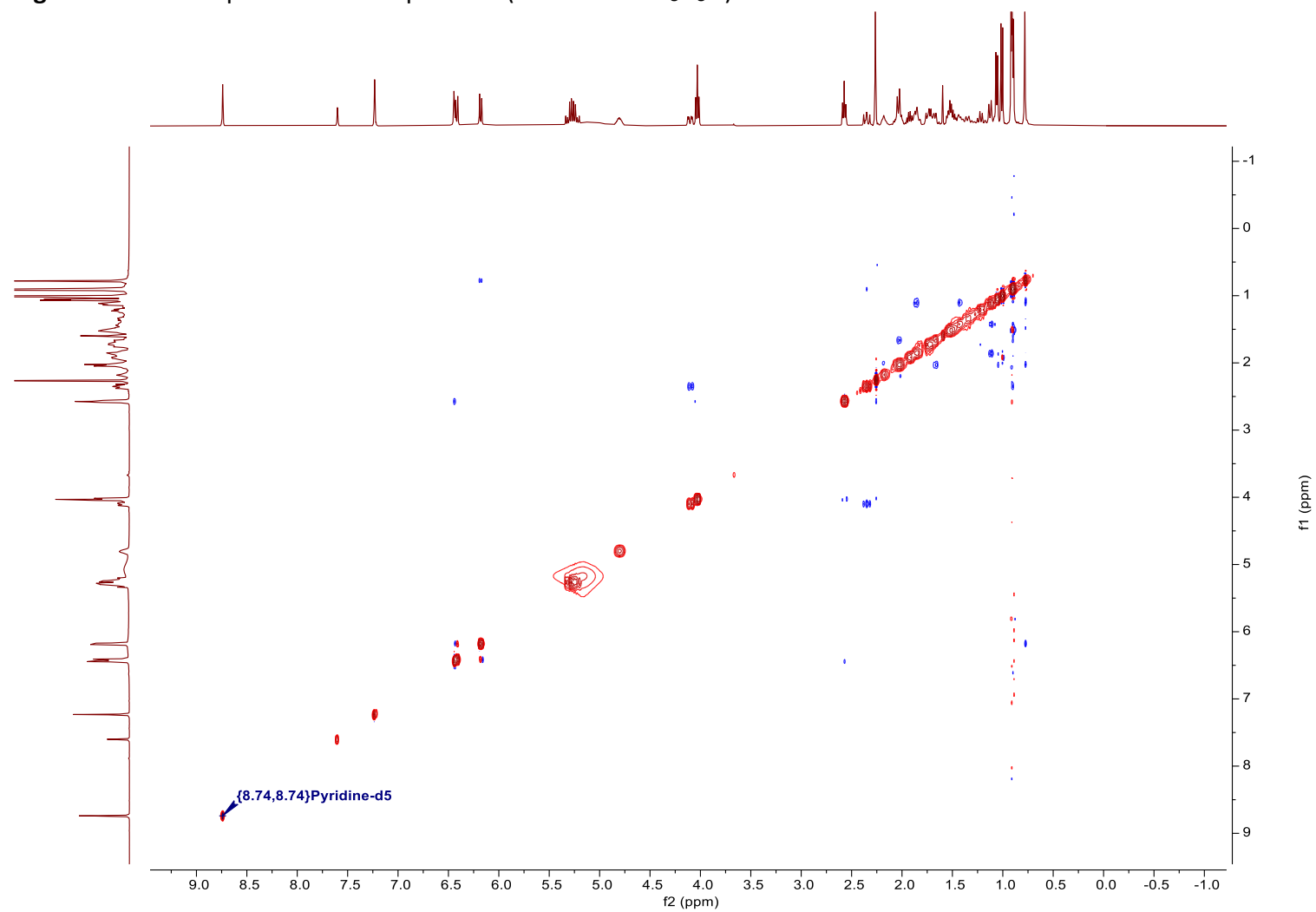


Figure S7. HRESIMS spectrum of compound **1**

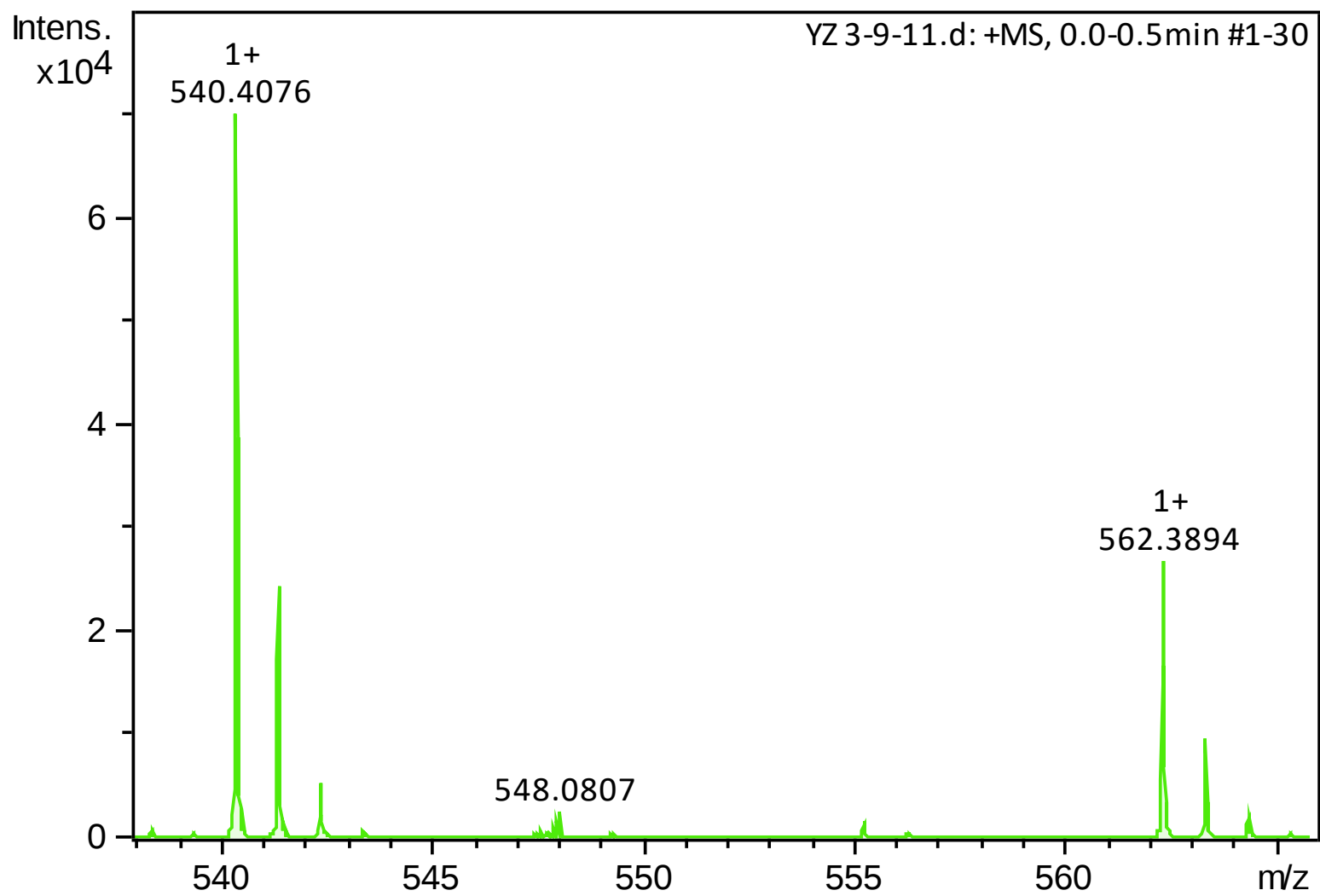


Figure S8. IR spectrum of compound **1**

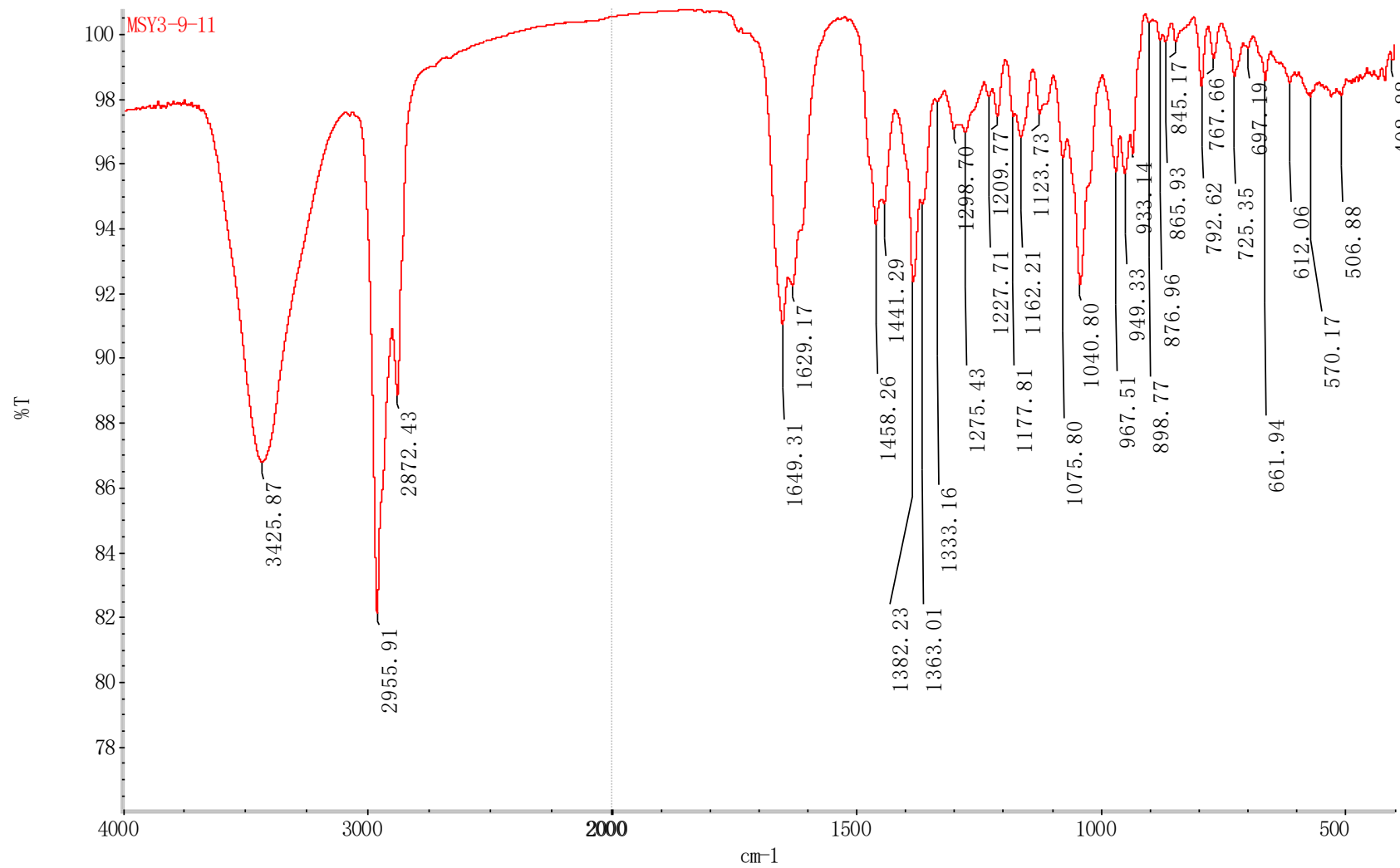


Figure S9. UV spectrum of compound **1**

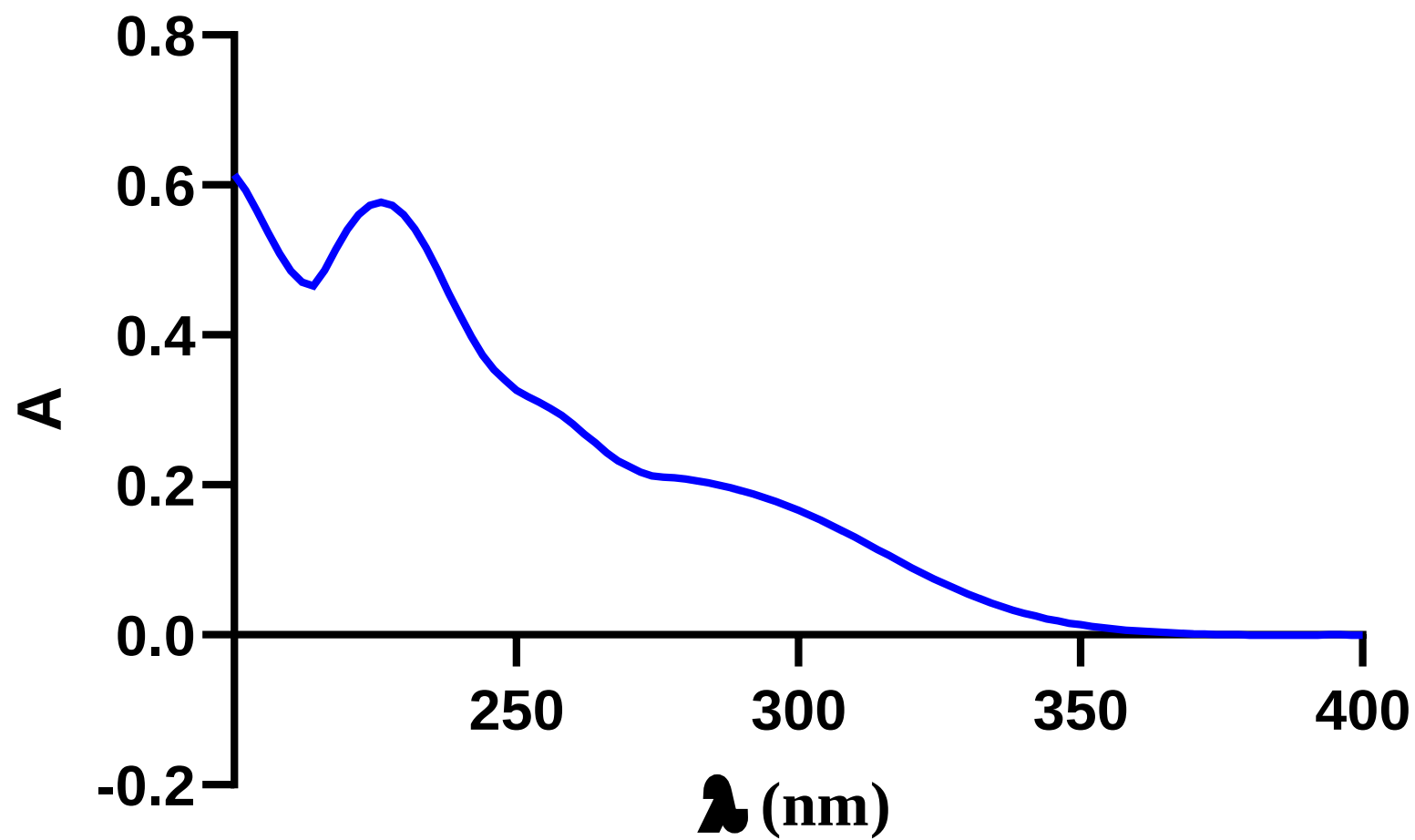


Figure S10. CD spectrum of compound **1**

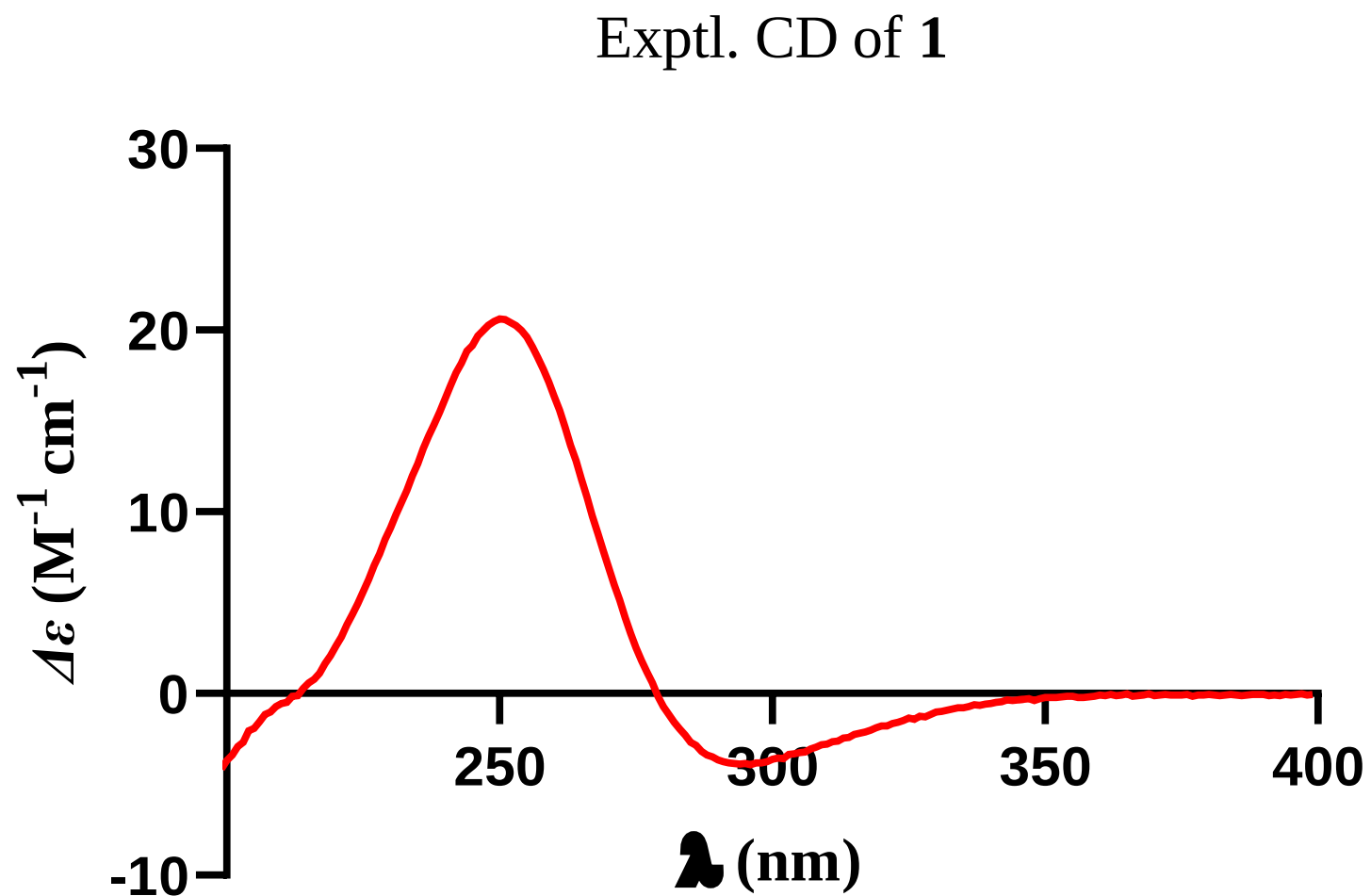


Figure S11. ^1H NMR spectrum of compound **2** (Recorded in $\text{DMSO}-d_6$)

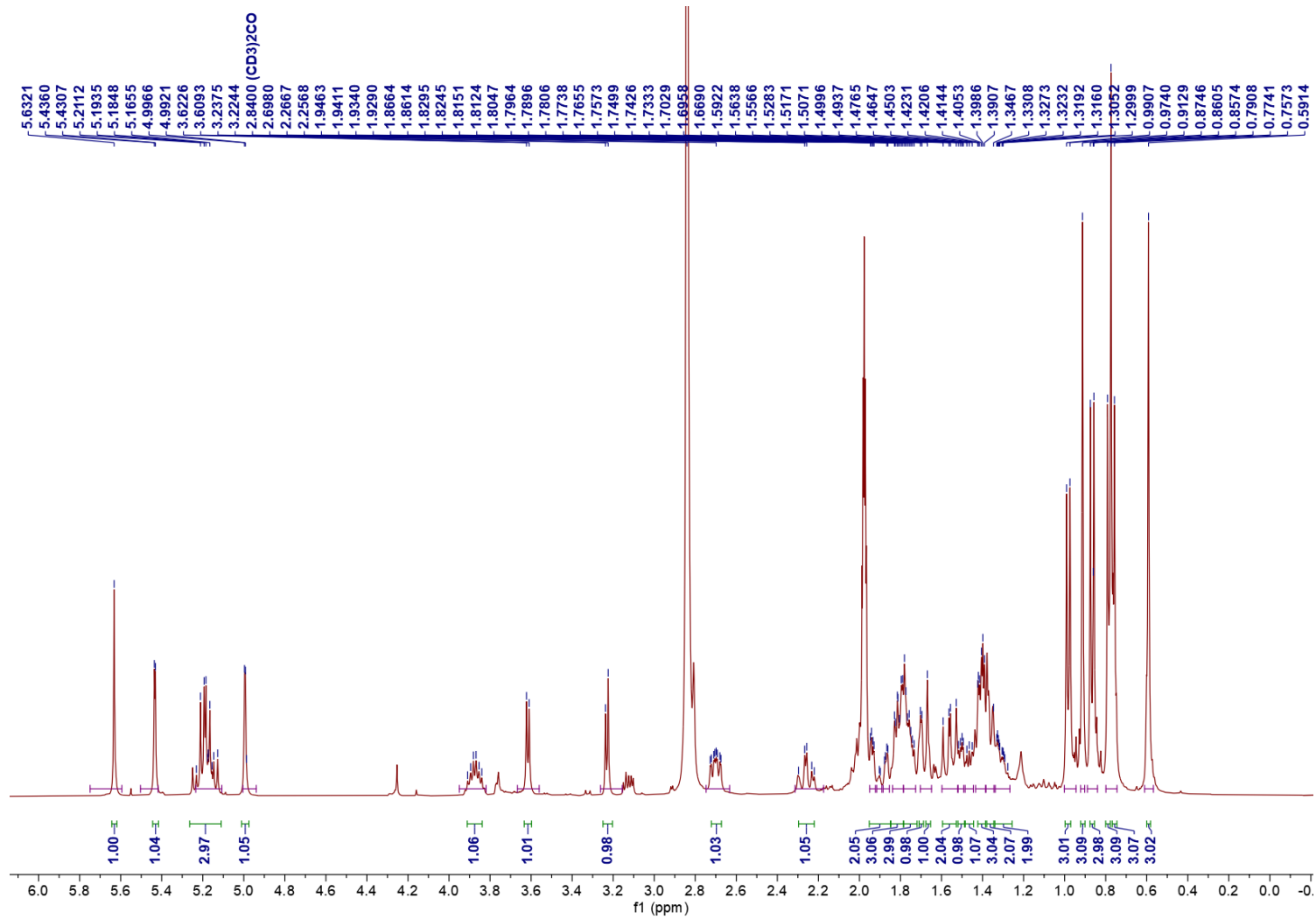


Figure S12. ^{13}C NMR and DEPT spectra of compound **2** (Recorded in $\text{DMSO}-d_6$)

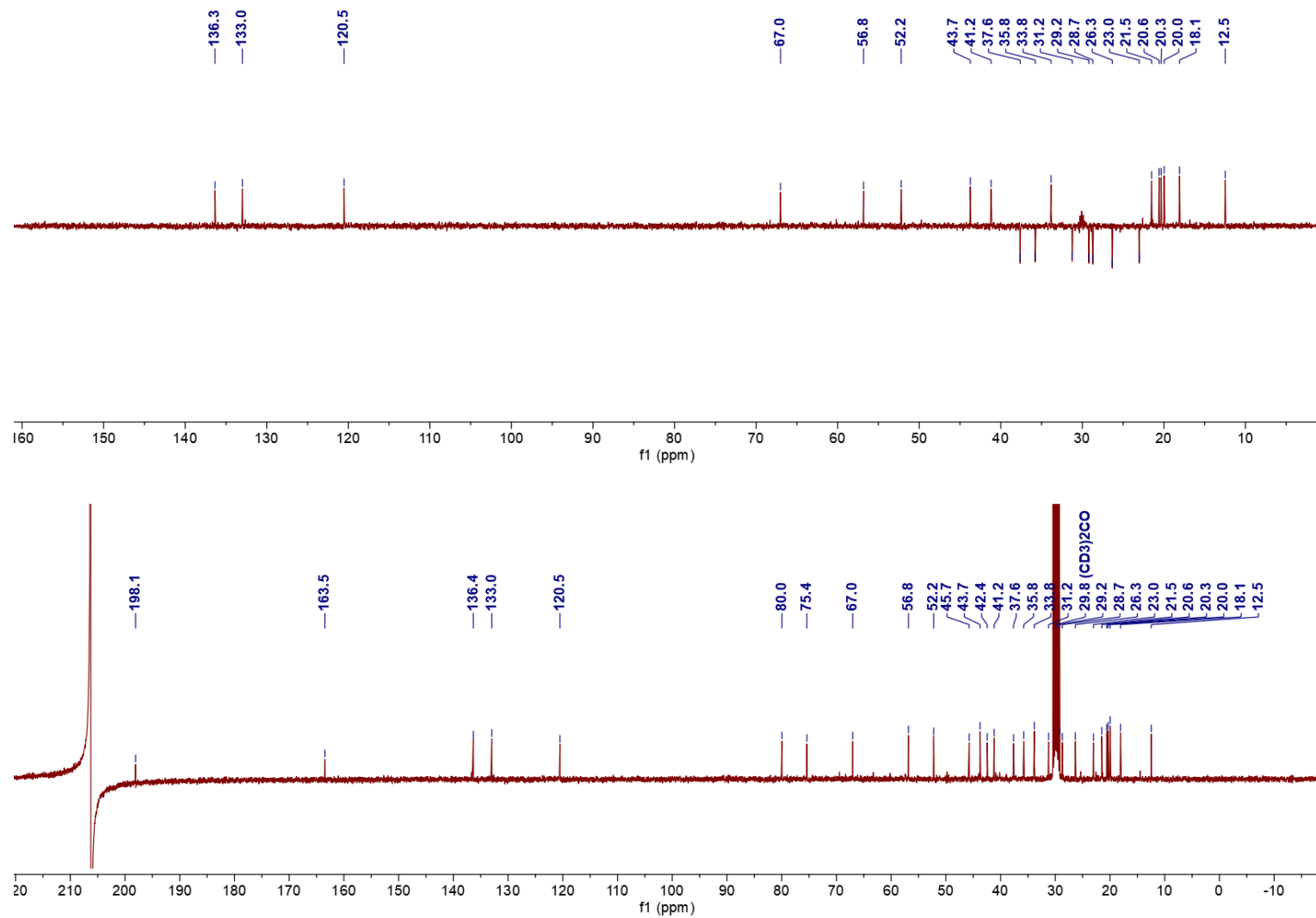


Figure S13. ^1H NMR spectrum of compound **3** (Recorded in chloroform-*d*)

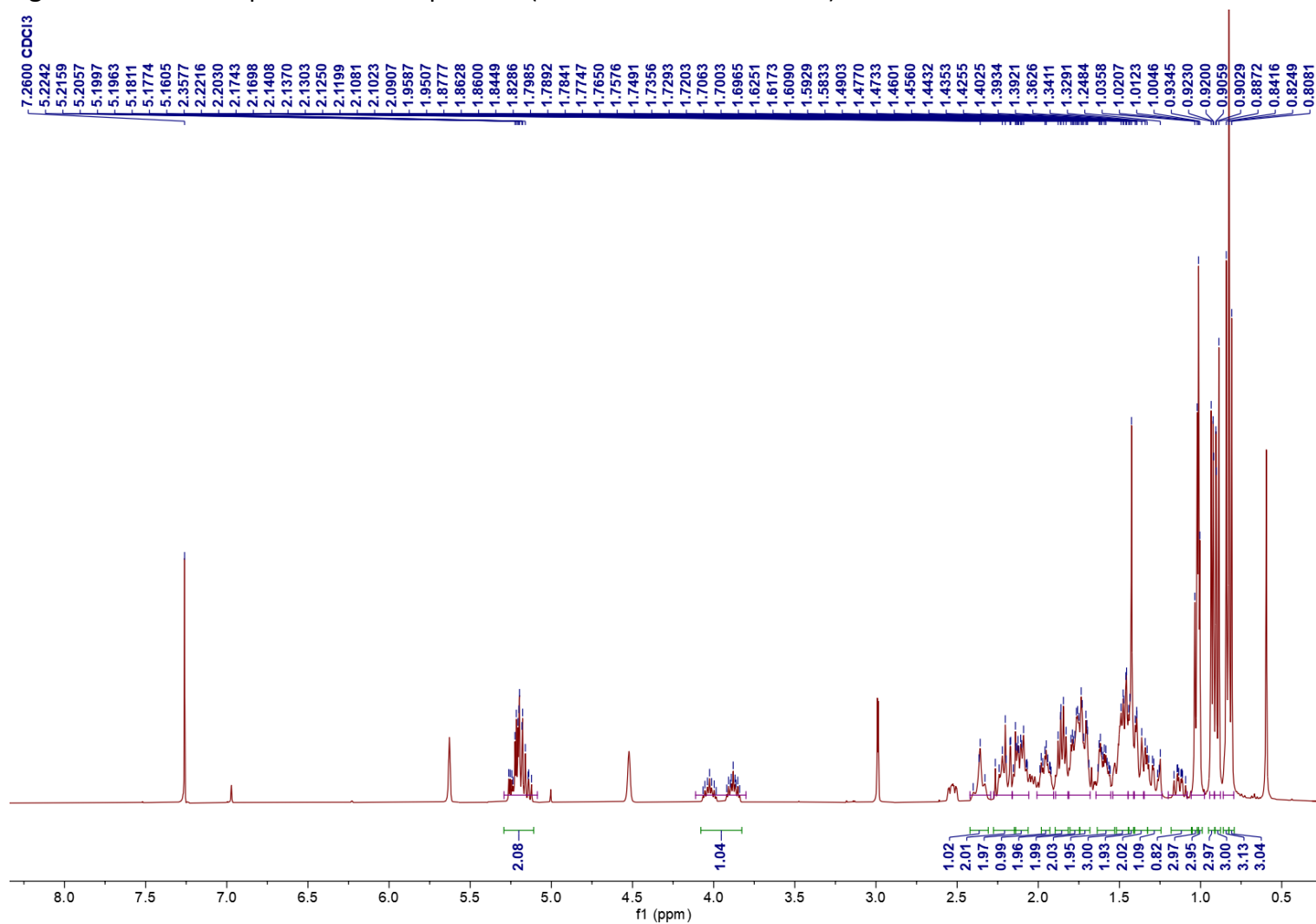


Figure S14. ^{13}C NMR and DEPT spectra of compound **3** (Recorded in chloroform-*d*)

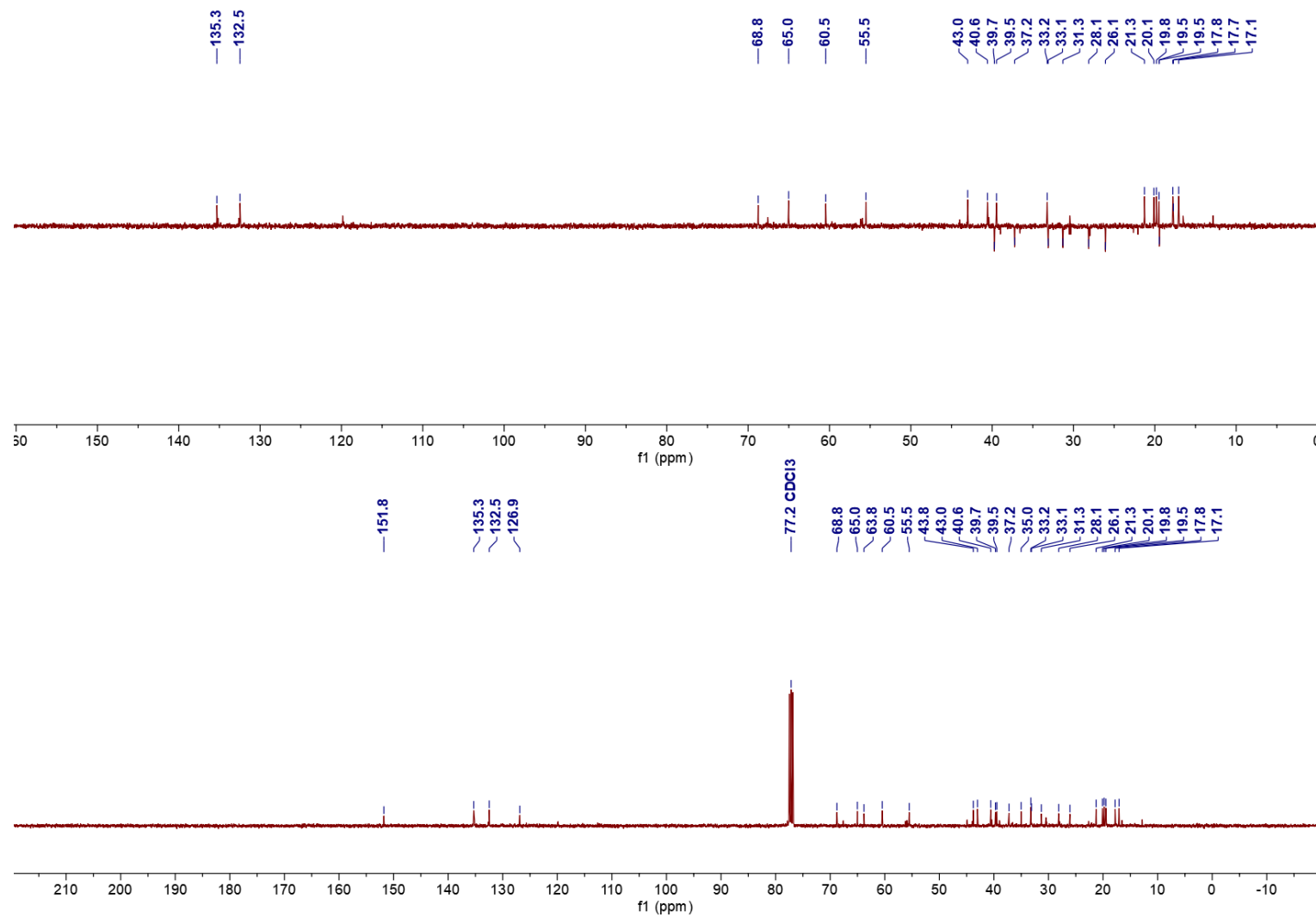


Figure S15. ^1H NMR spectrum of compound **4** (Recorded in $\text{DMSO-}d_6$)

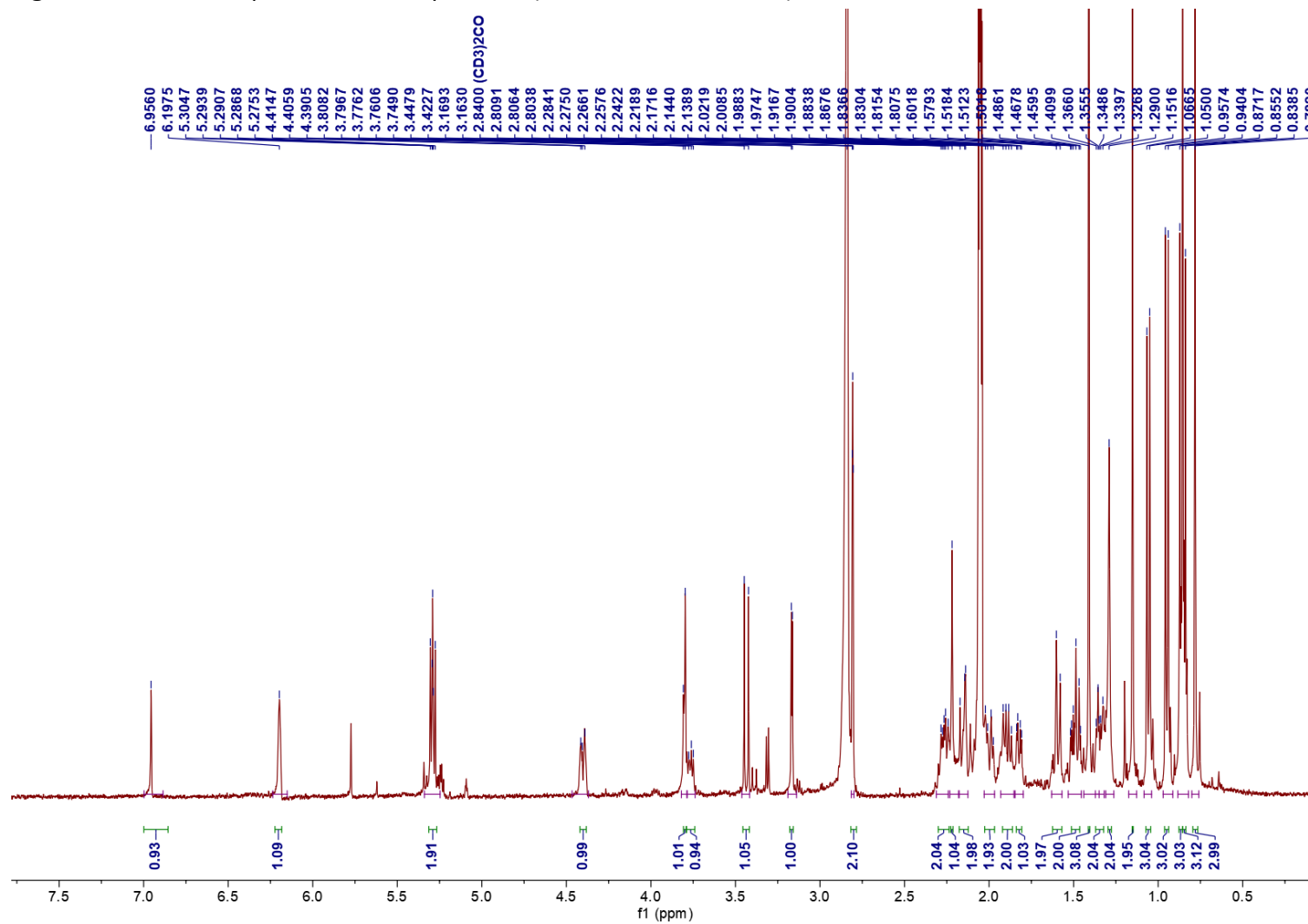


Figure S16. ^{13}C NMR and DEPT spectra of compound **4** (Recorded in $\text{DMSO}-d_6$)

