

Supporting Information

Synthesis and herbicidal activity against buffelgrass (*Cenchrus ciliaris*) of (±)-3-deoxyradicinin

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Figure S1. ¹HNMR spectrum of compound 4

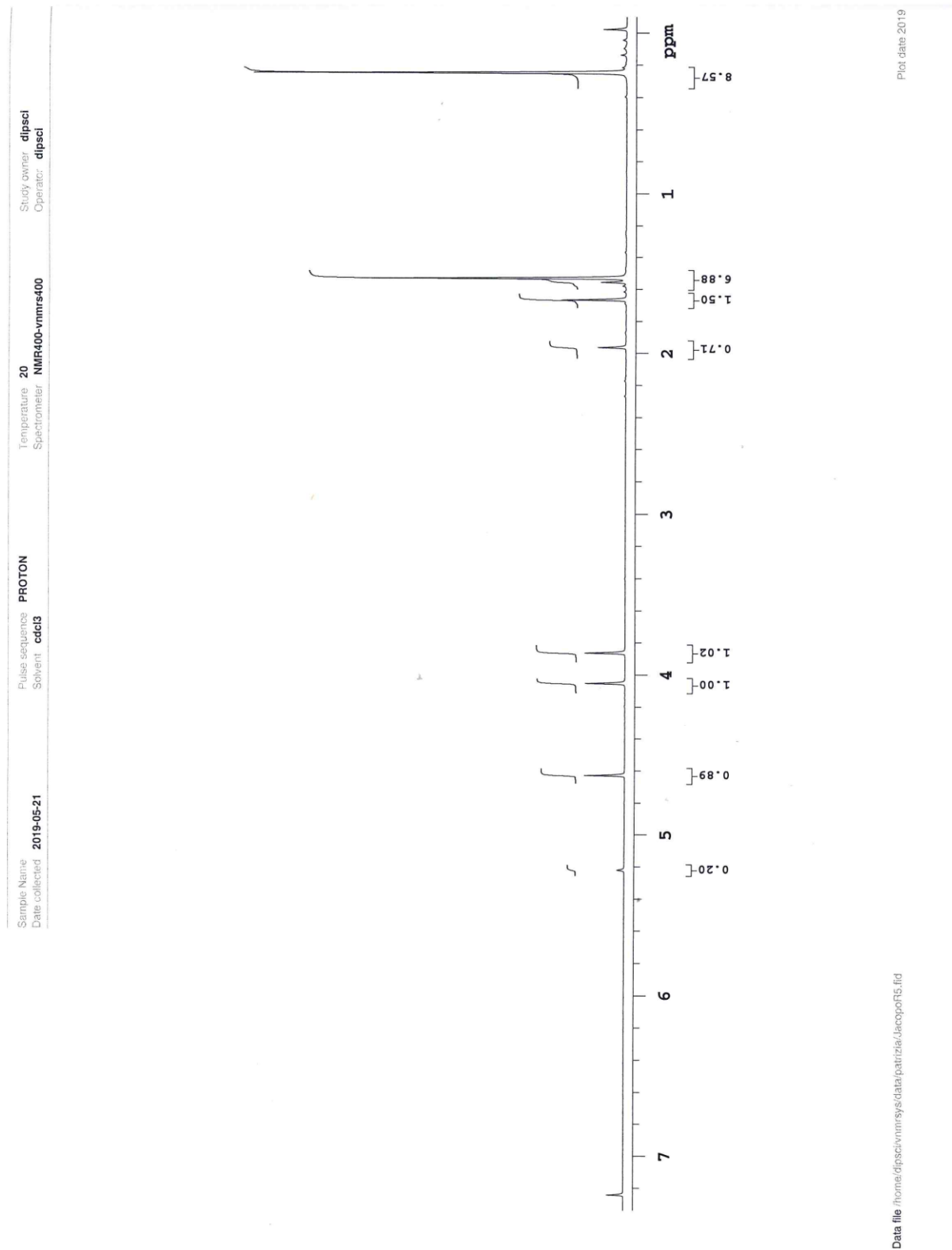


Figure S2. ^{13}C NMR spectrum of compound **4**

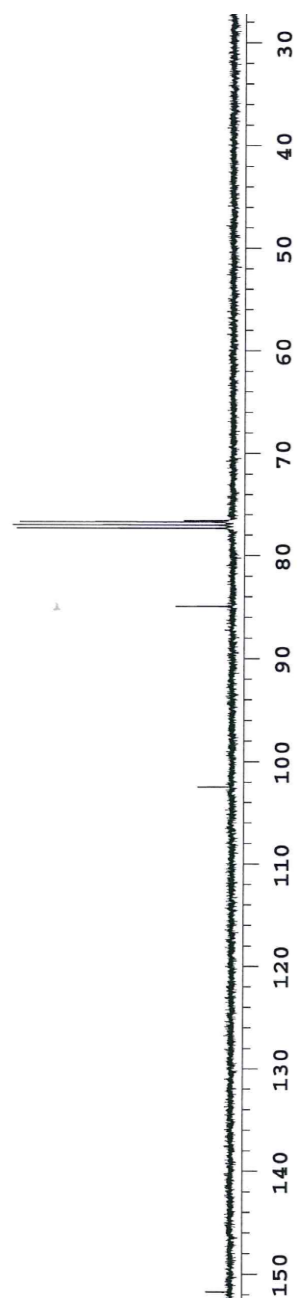


Figure S3. ^1H NMR spectrum of compound **5a**

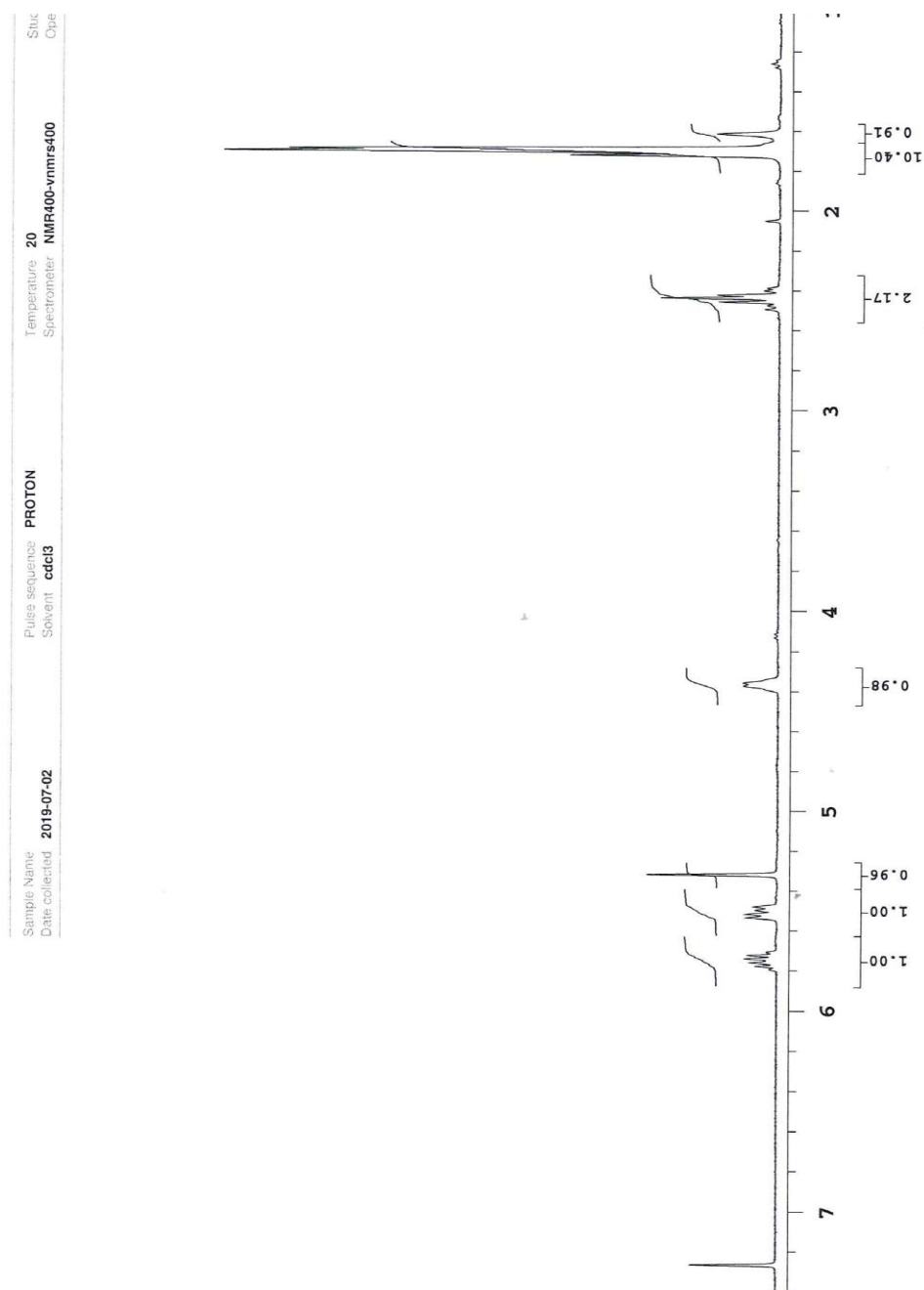


Figure S4. ^{13}C NMR spectrum of compound **5a**

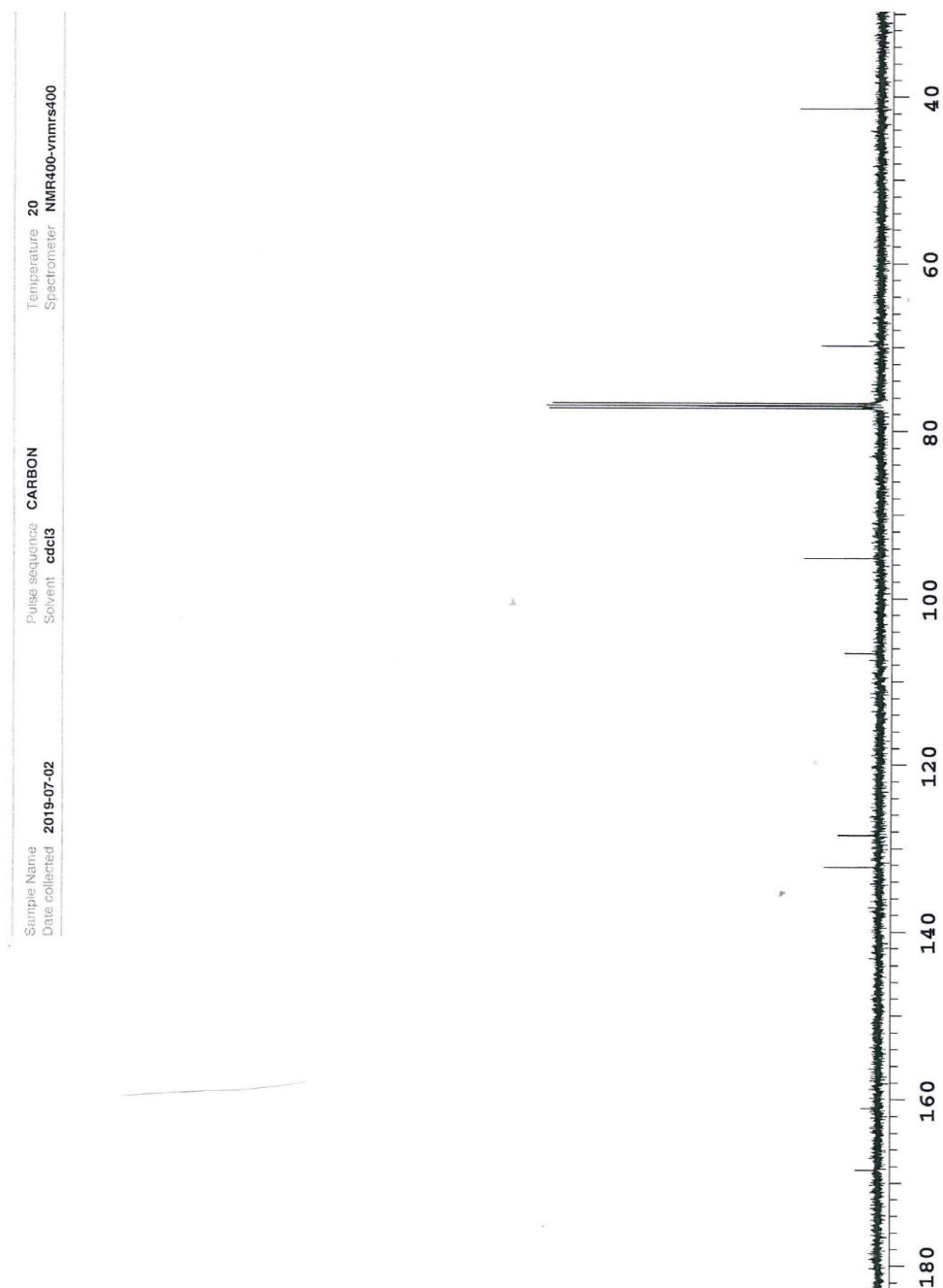


Figure S5. ^1H NMR spectrum of compound **6a**

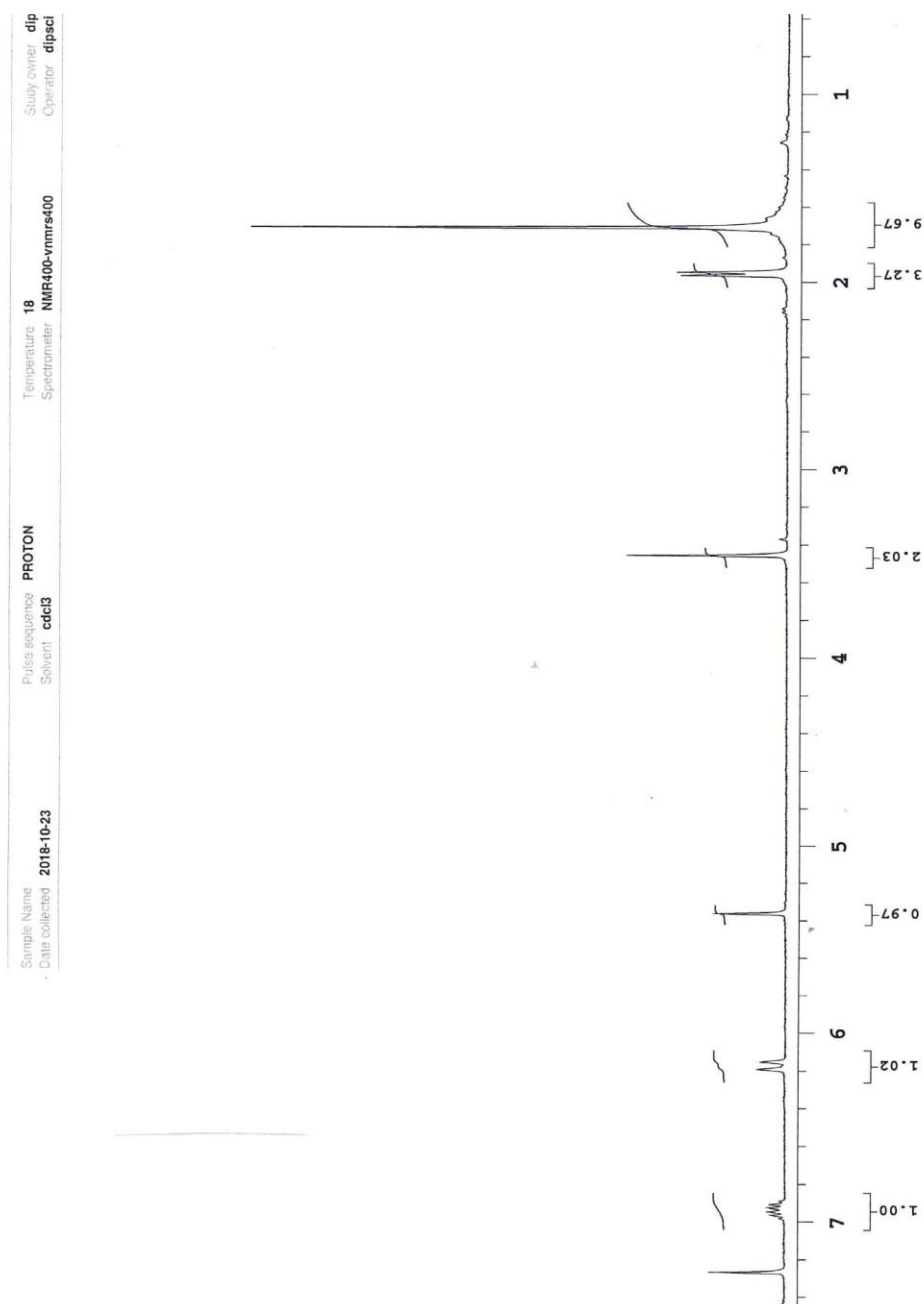


Figure S6. ^{13}C NMR spectrum of compound **6a**

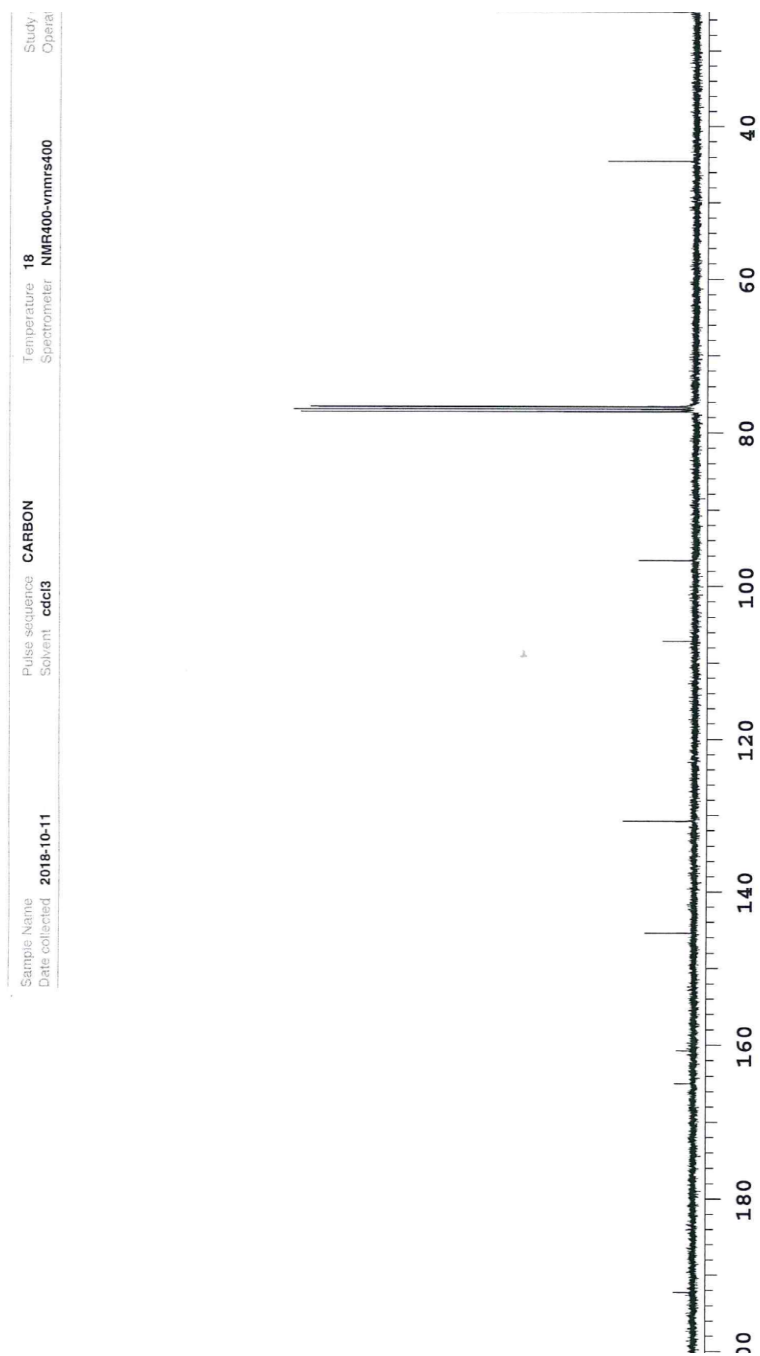


Figure S7. ^1H NMR spectrum of compound **7a**

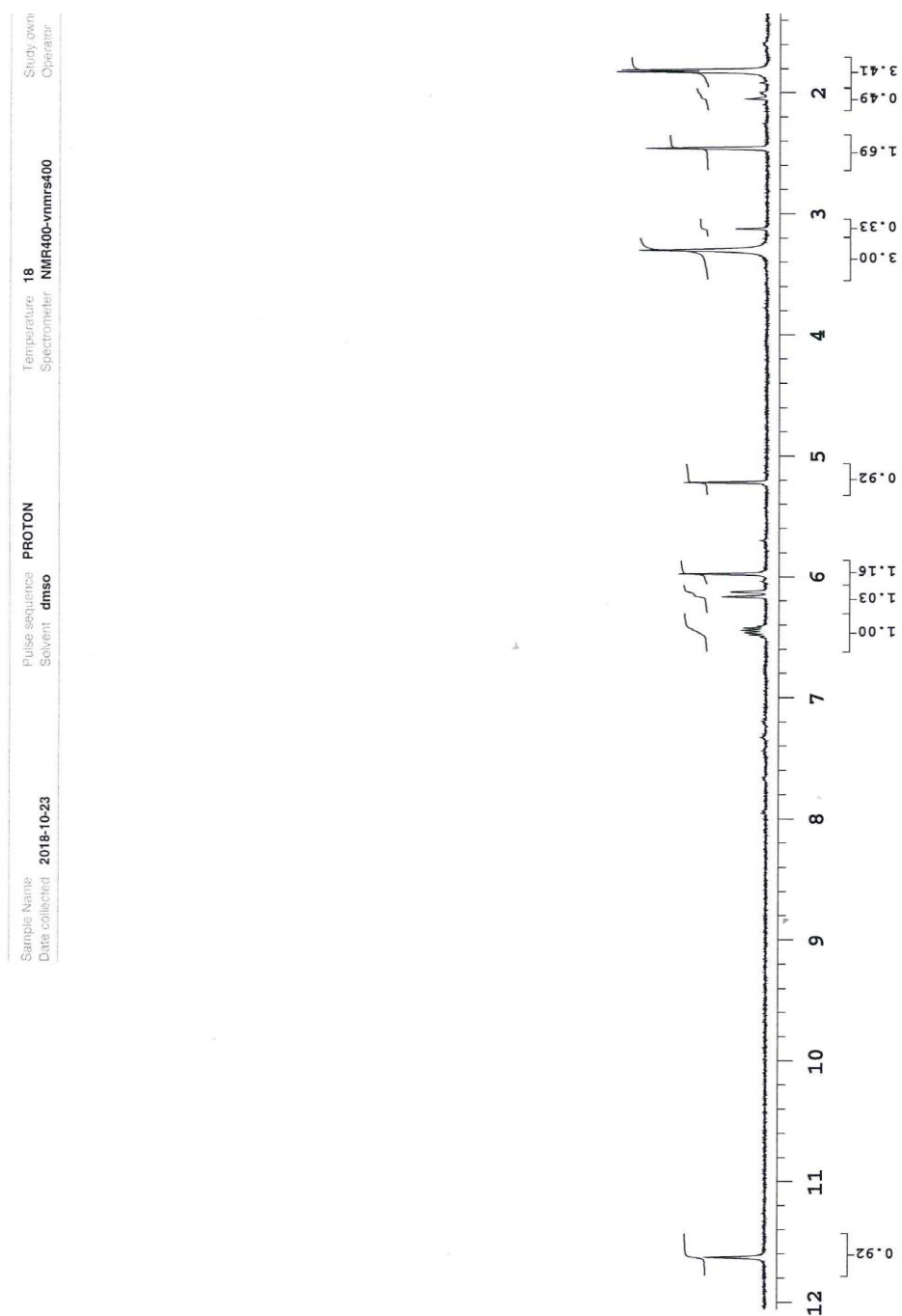


Figure S8. ^{13}C NMR spectrum of compound **7a**

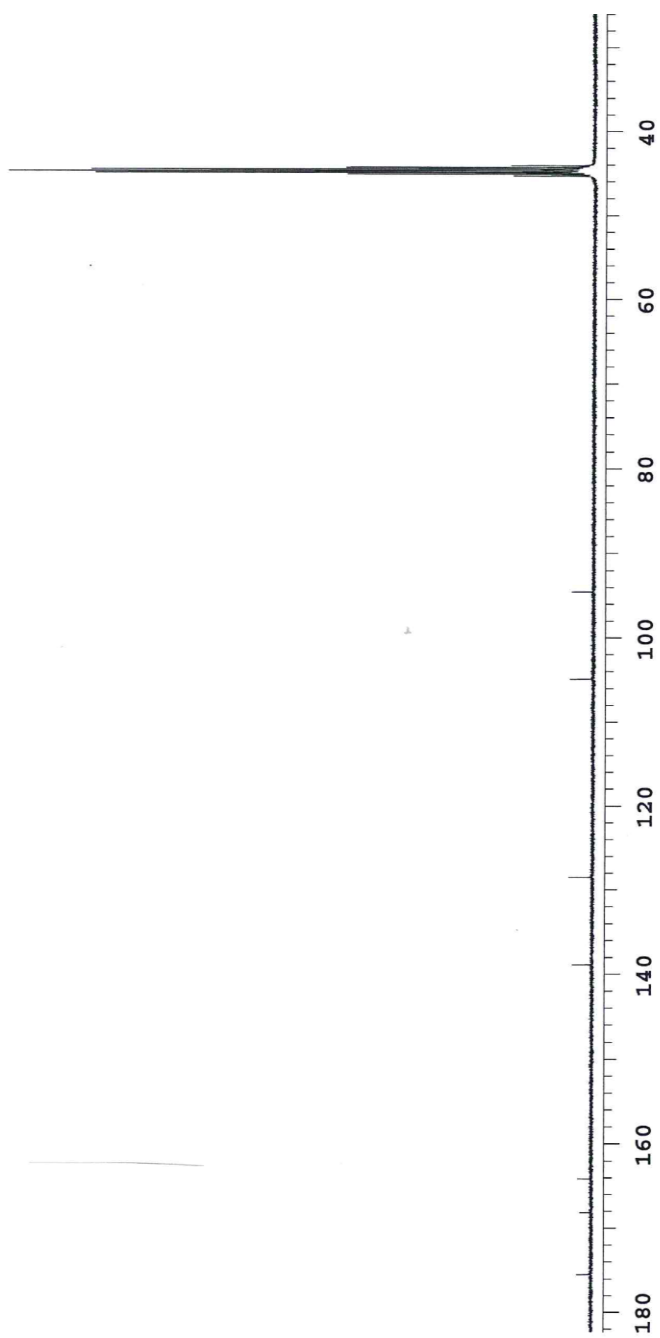


Figure S9. ^1H NMR spectrum of compound **2**

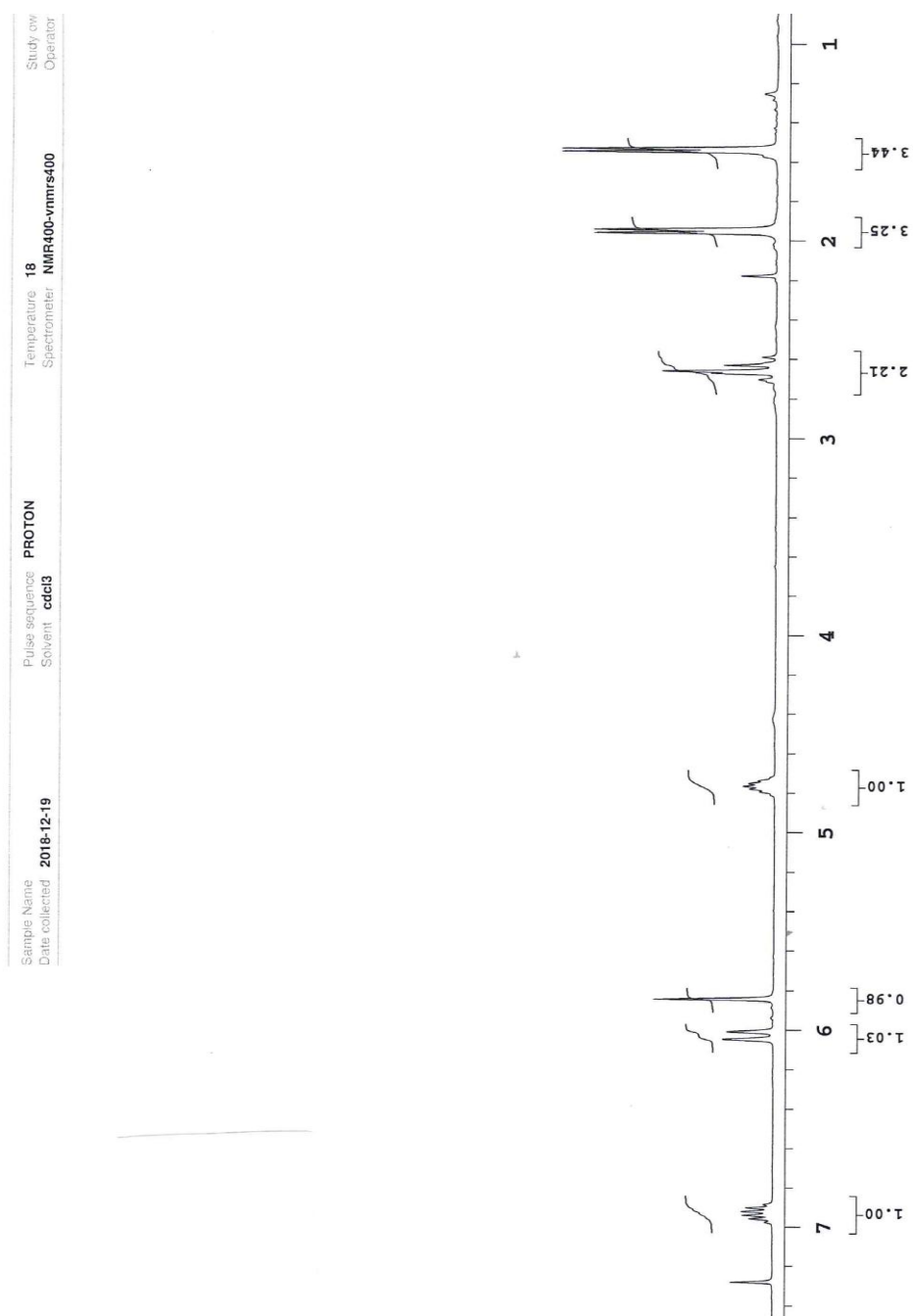


Figure S10. ^{13}C NMR spectrum of compound **2**

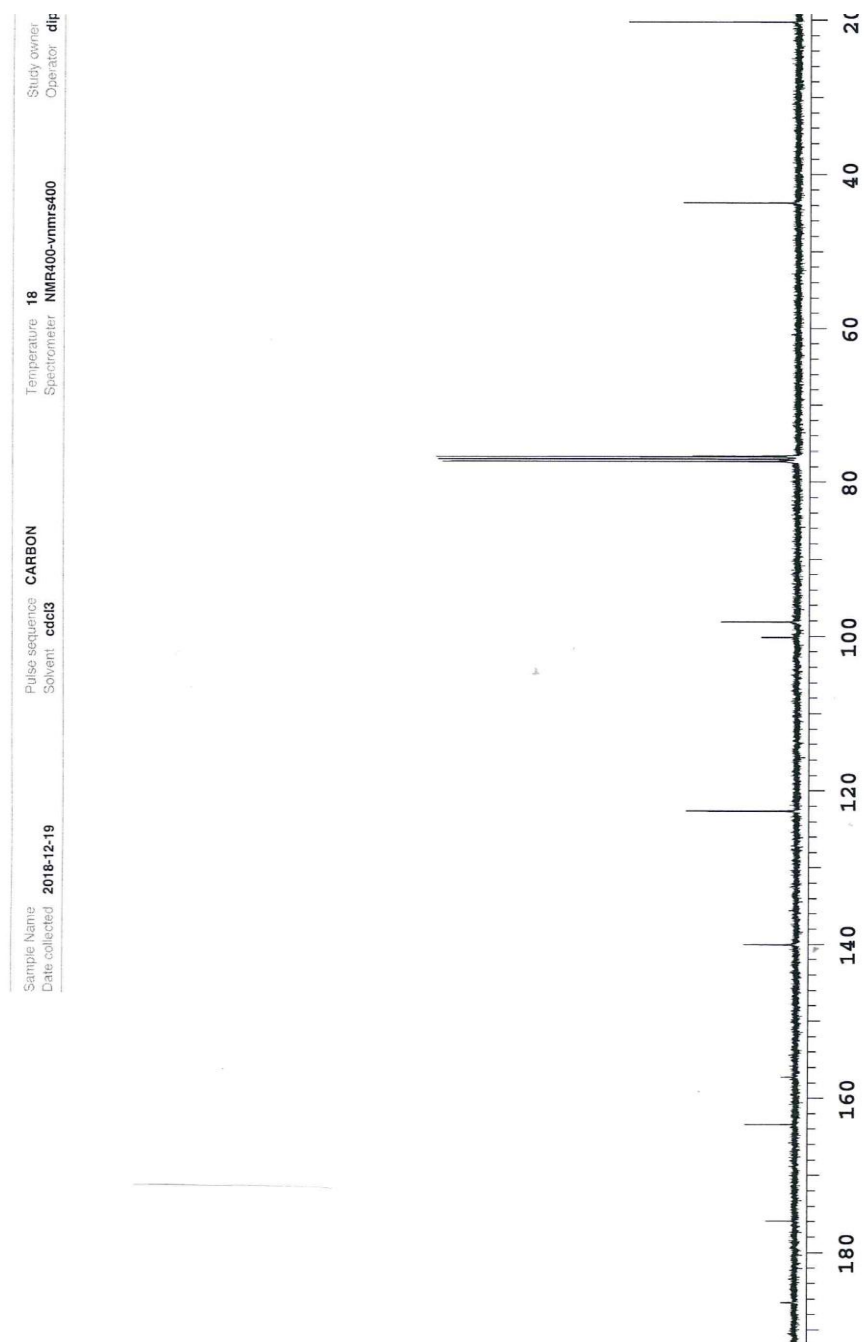


Figure S11. ^1H NMR spectrum of compound **9a/9b**

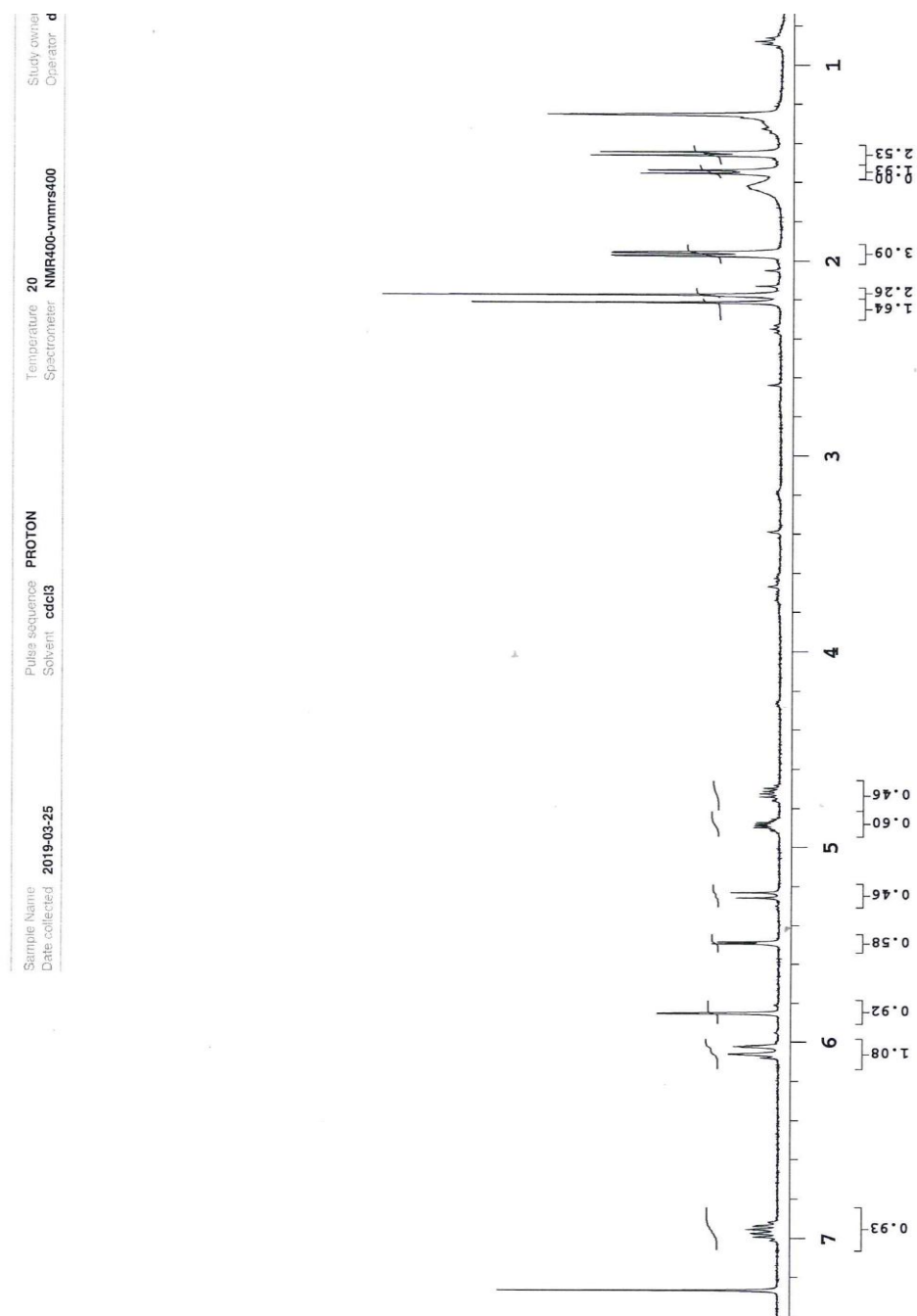


Figure S12. ¹HNMR spectrum of compound 10

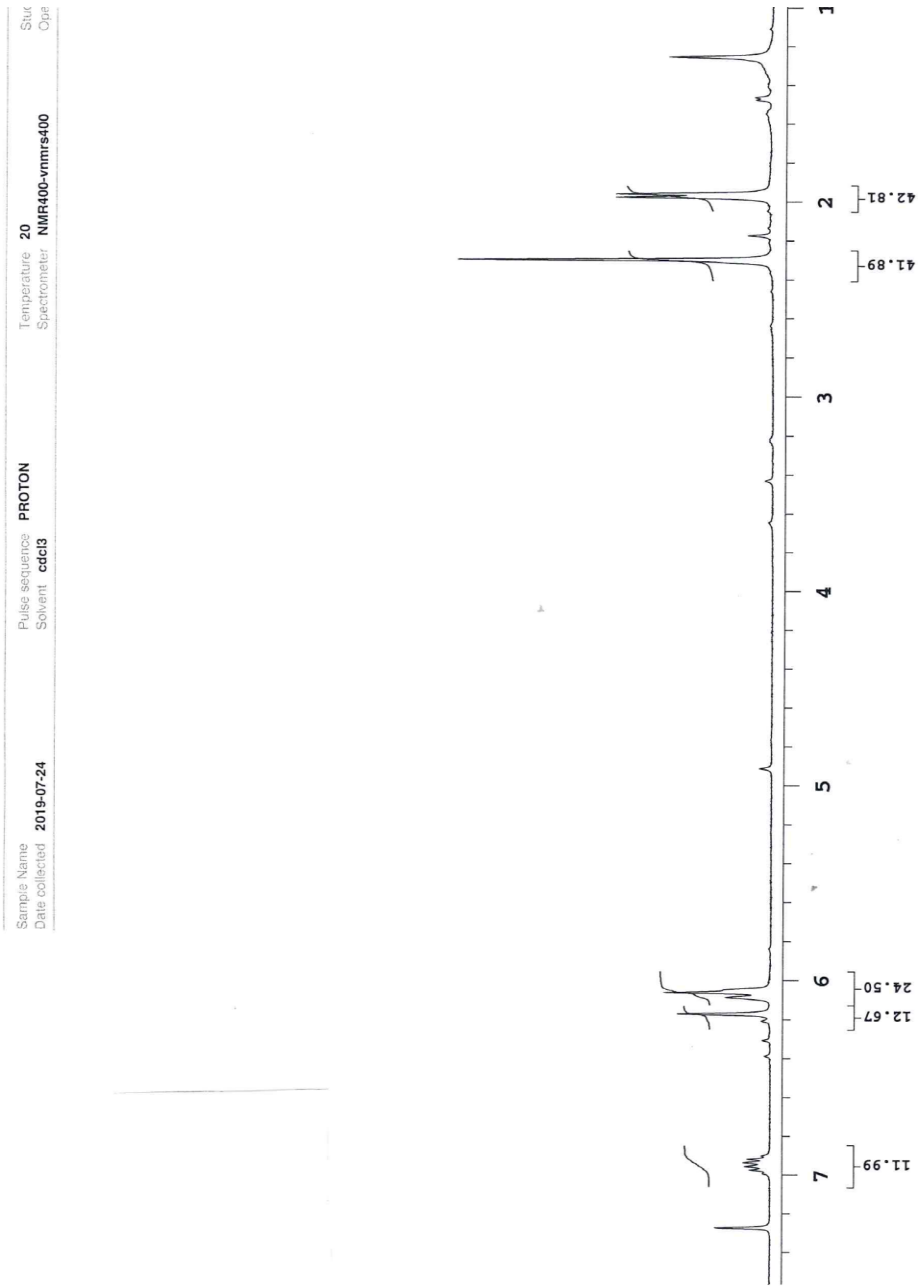


Figure S13. ^{13}C NMR spectrum of compound **10**

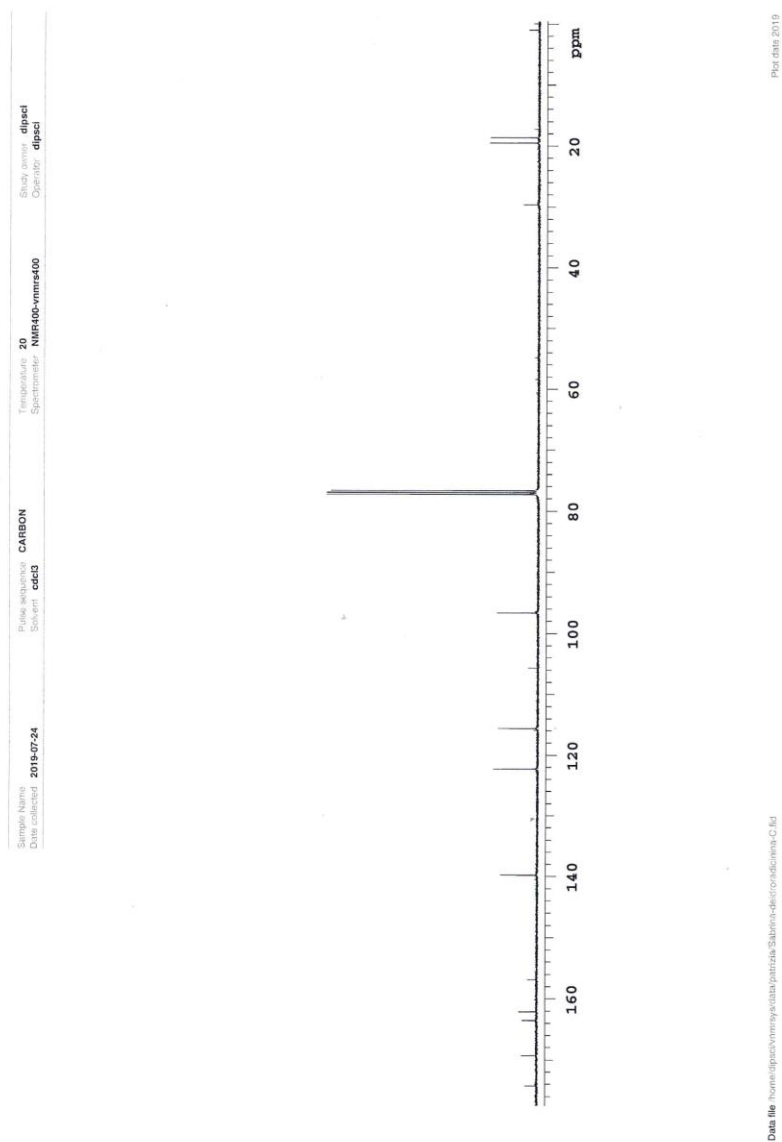


Figure S14. ^1H NMR spectrum of compound **5b**

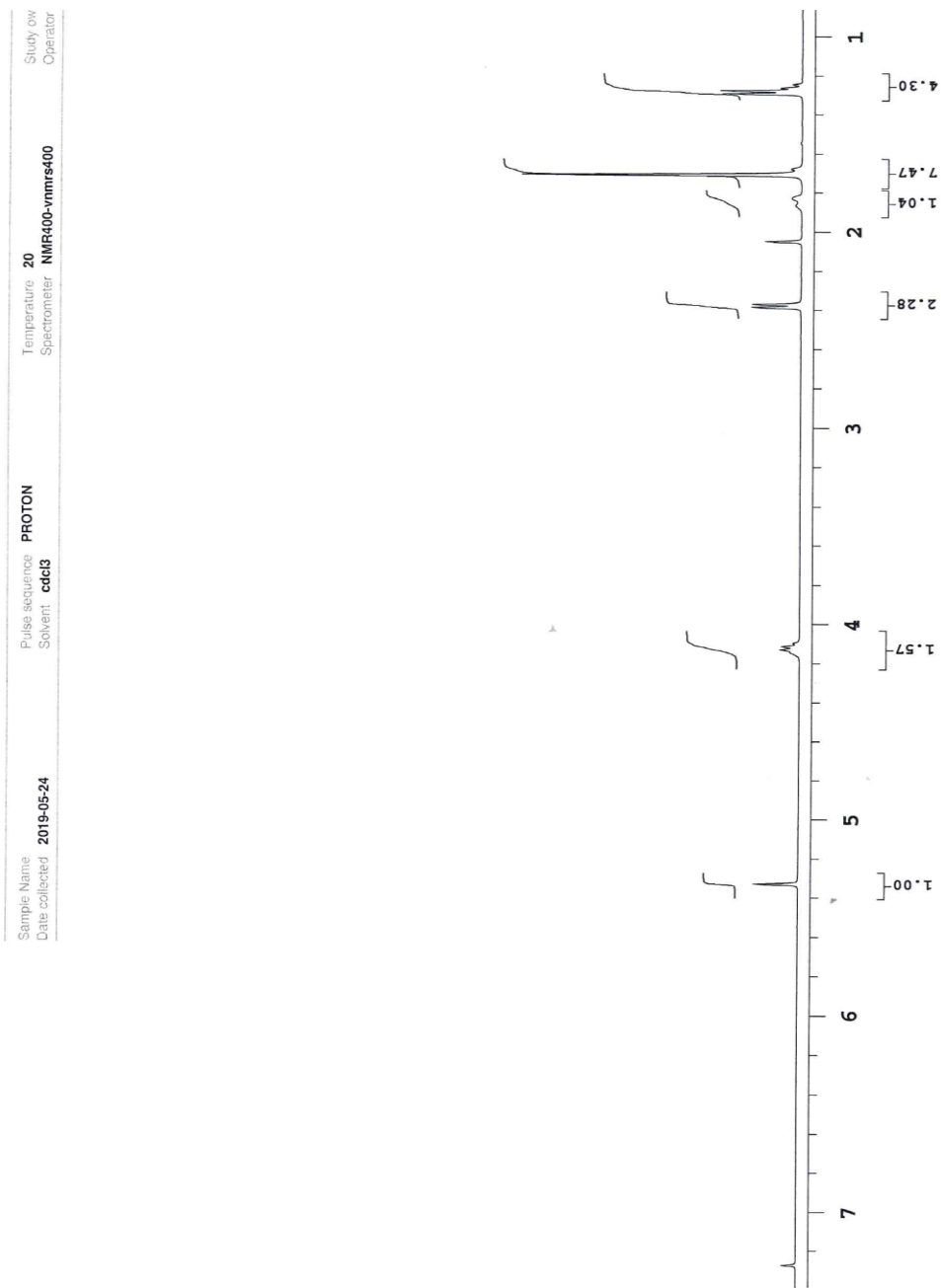


Figure S15. ^{13}C NMR spectrum of compound **5b**

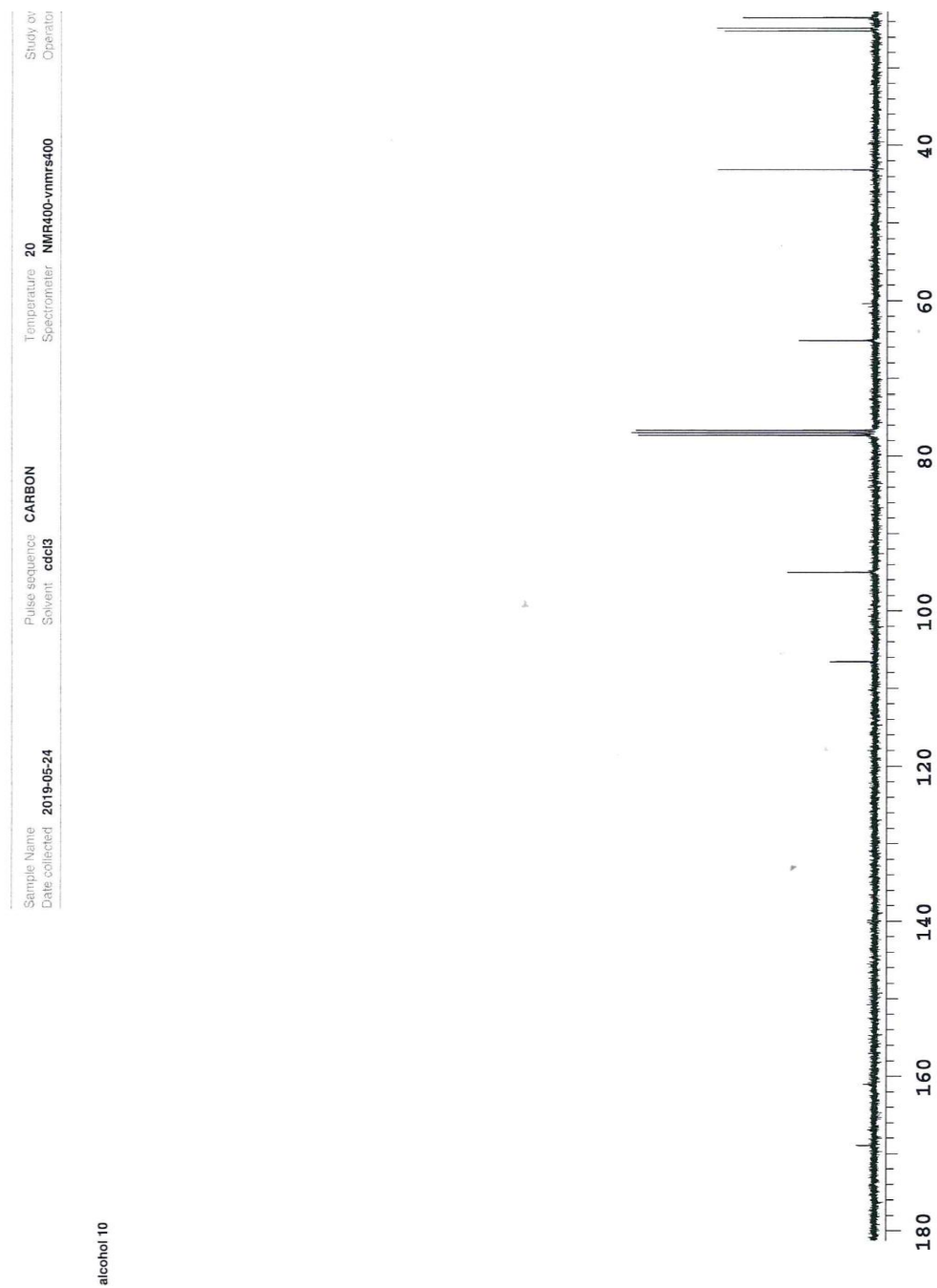


Figure S16. ^1H NMR spectrum of compound **6b**

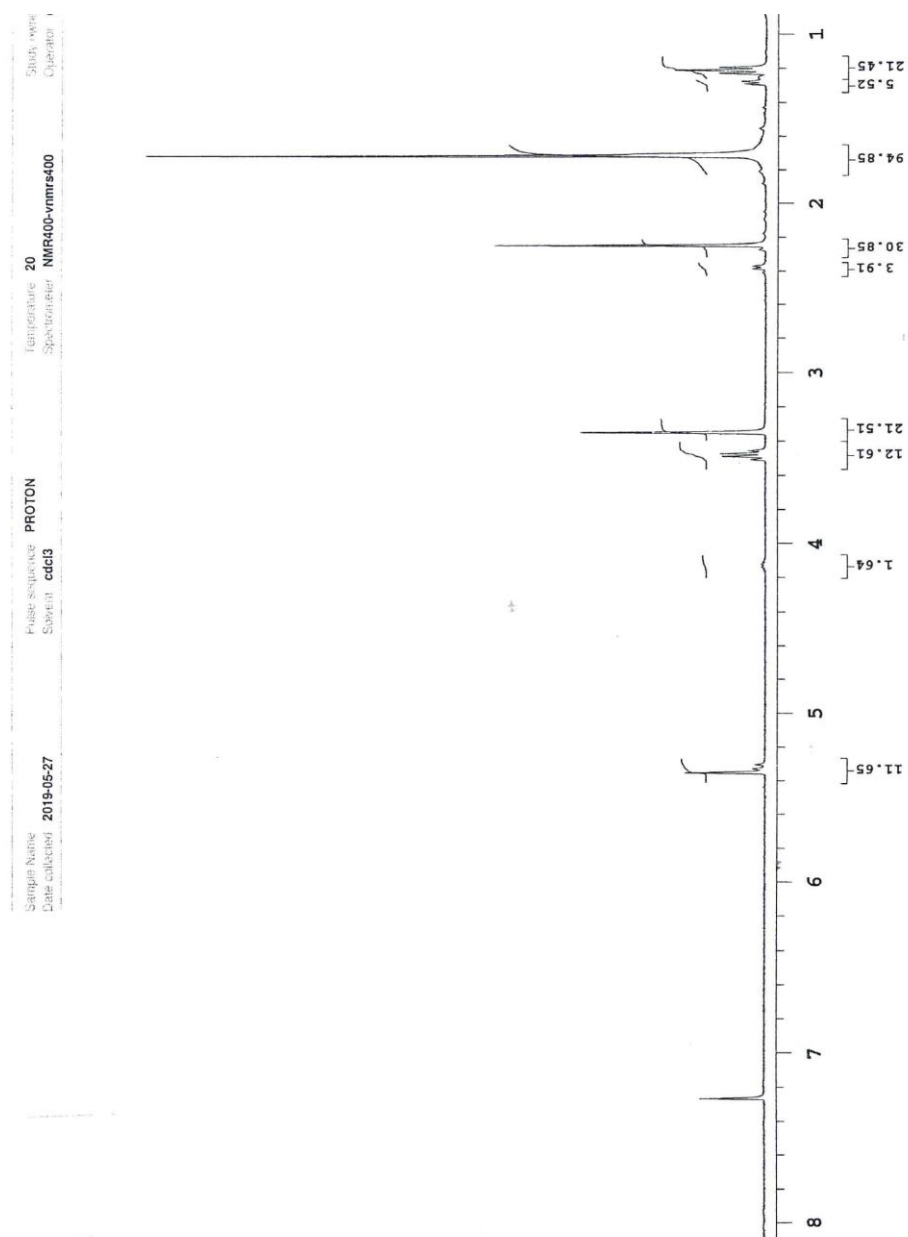


Figure S17. ^{13}C NMR spectrum of compound **6b**

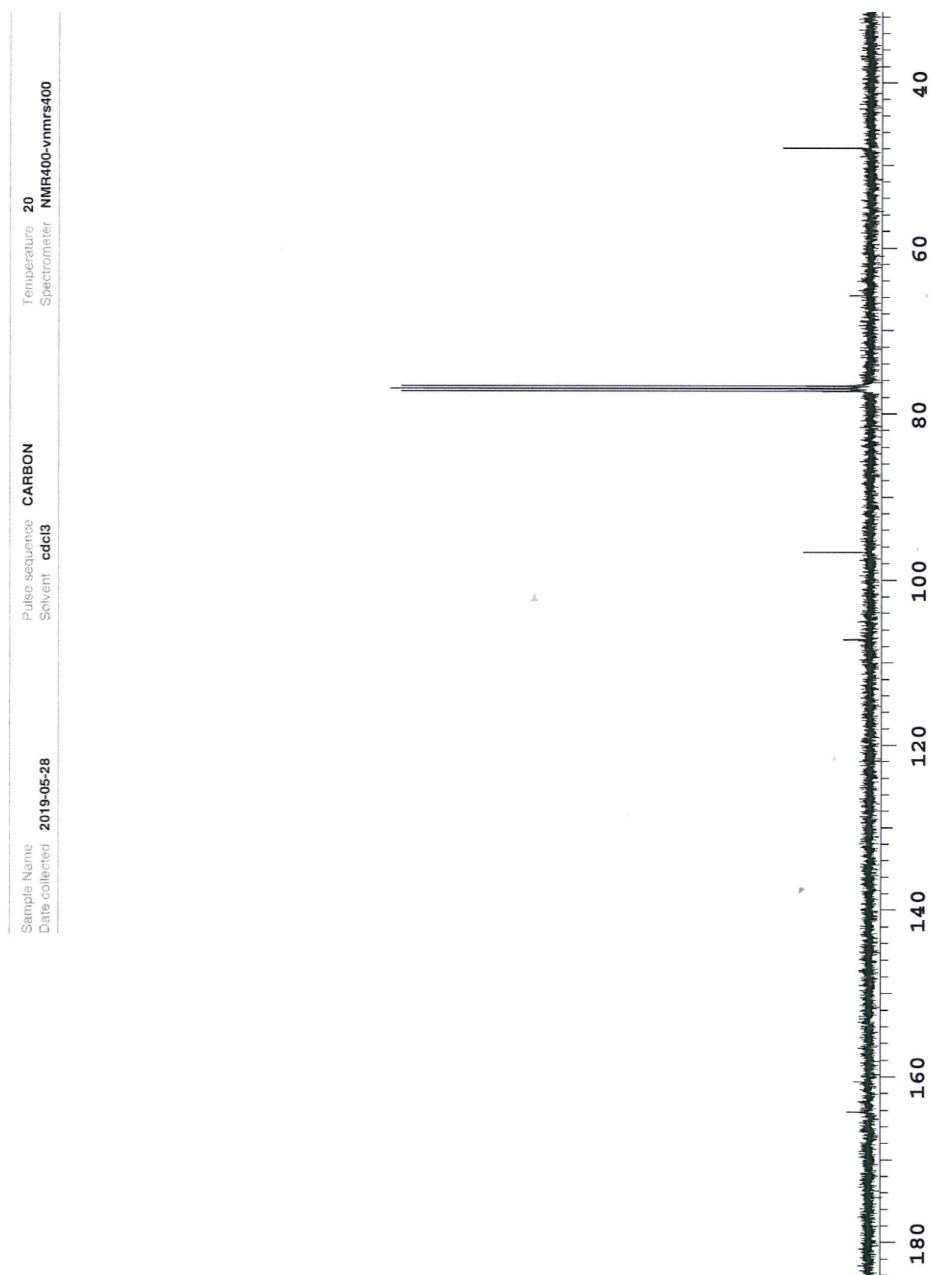


Figure S18. ^1H NMR spectrum of compound **7b**

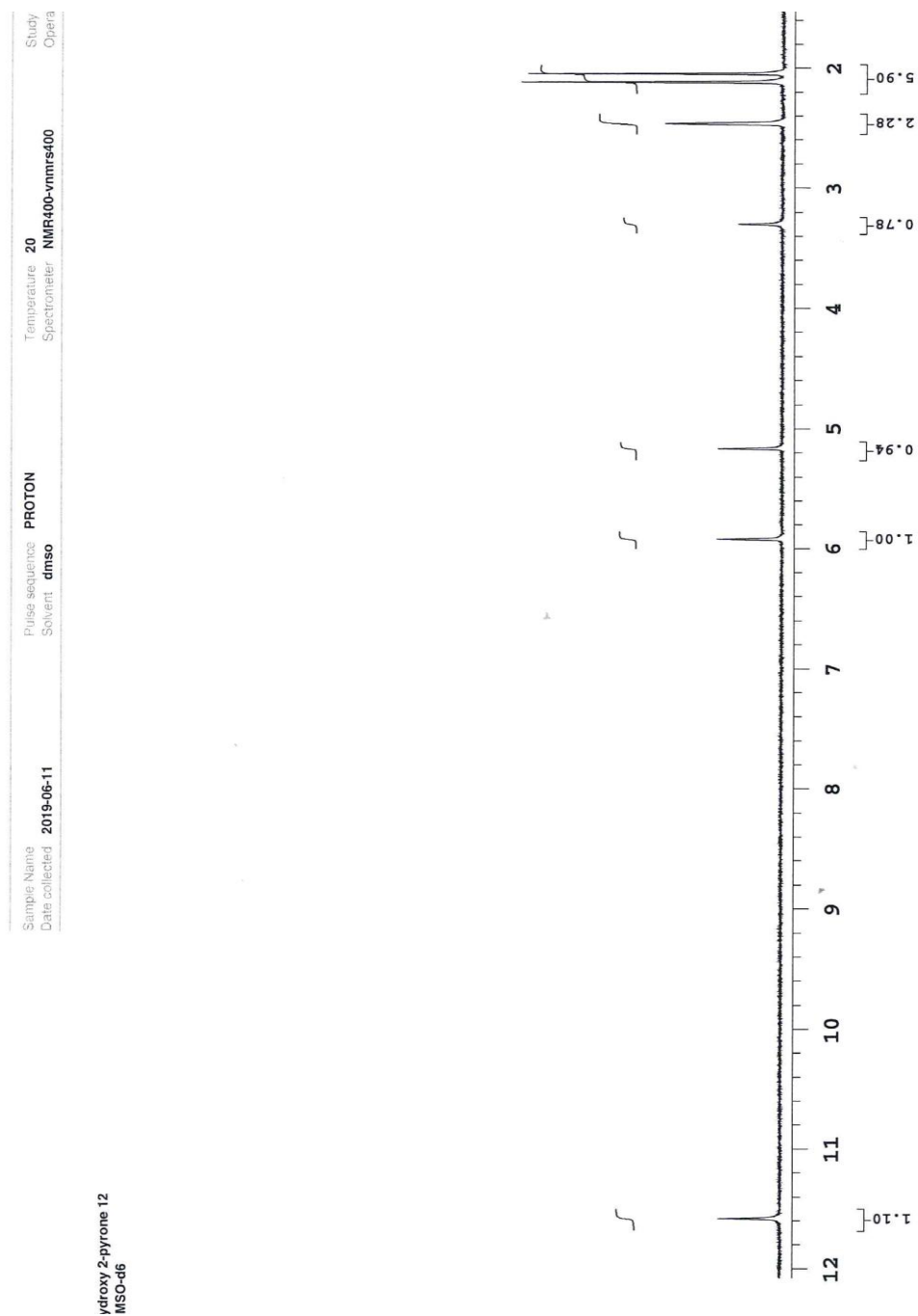


Figure S19. ^{13}C NMR spectrum of compound **7b**

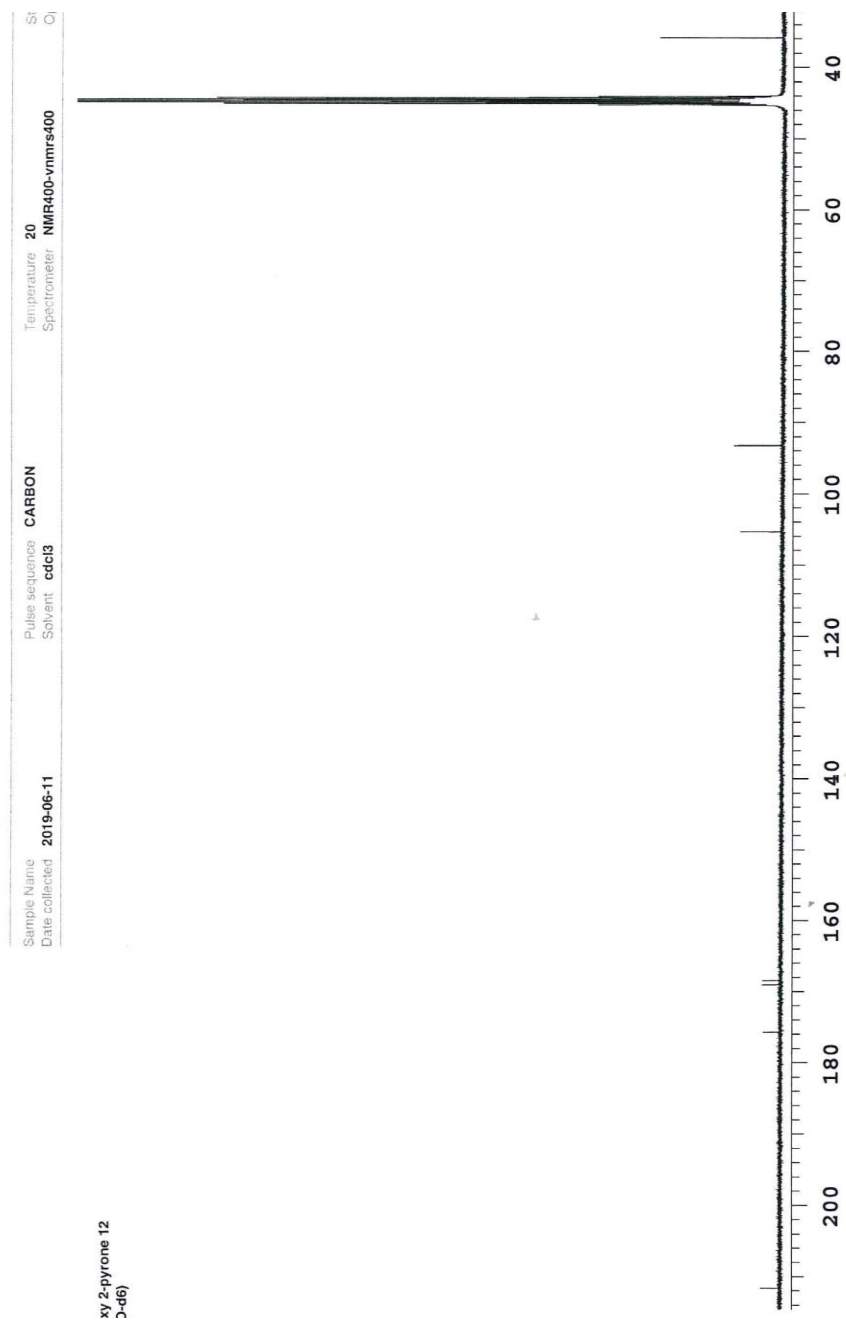


Figure S20. ^1H NMR spectrum of compound (\pm)-**8**

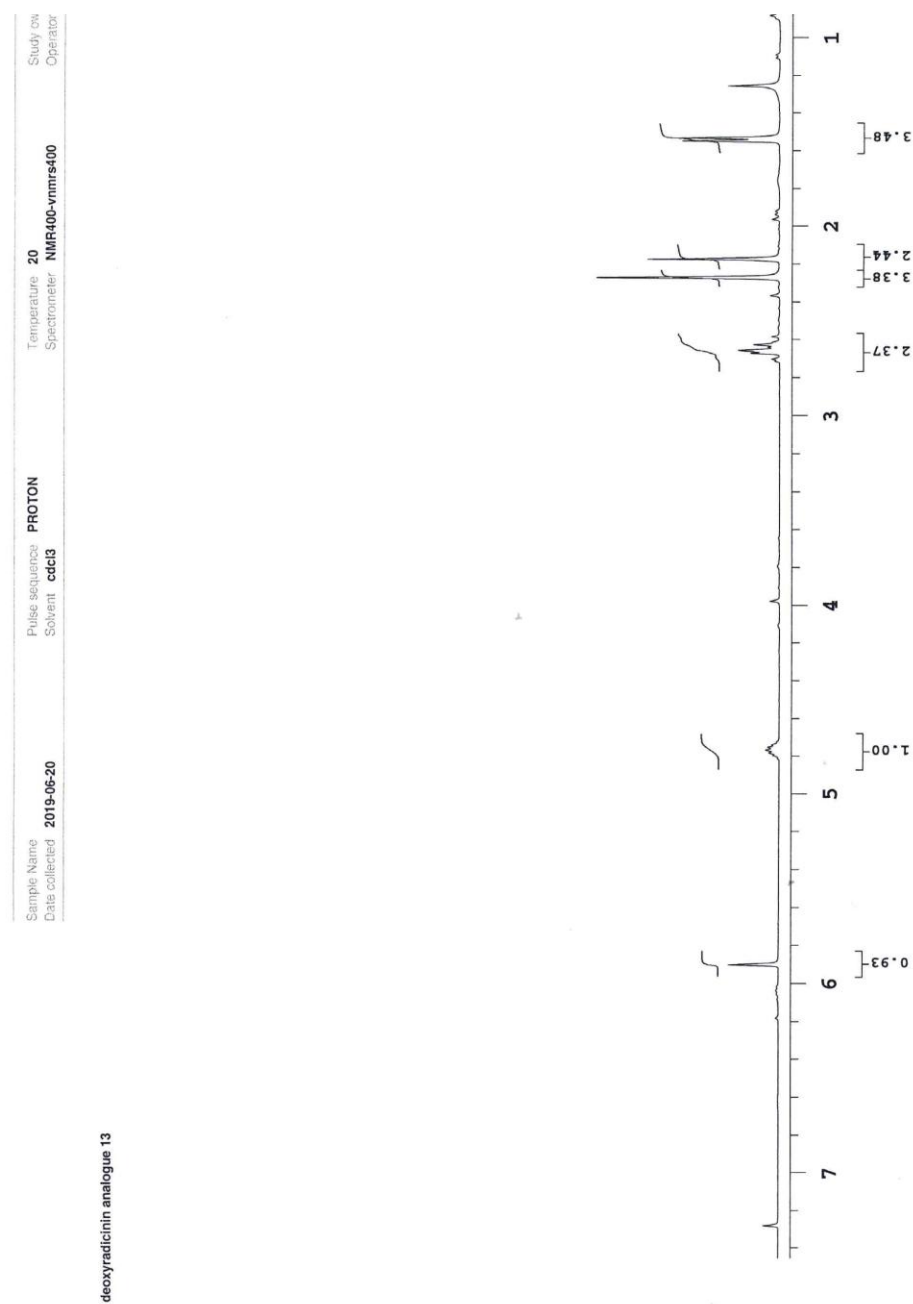


Figure S21. ^{13}C NMR spectrum of compound (\pm)-8

