

Supplemental Information

Preparation of Chiral Enantioenriched Densely Substituted Cyclopropyl Azoles, Amines, and Ethers via Formal SN2' Substitution of Bromocyclopropanes

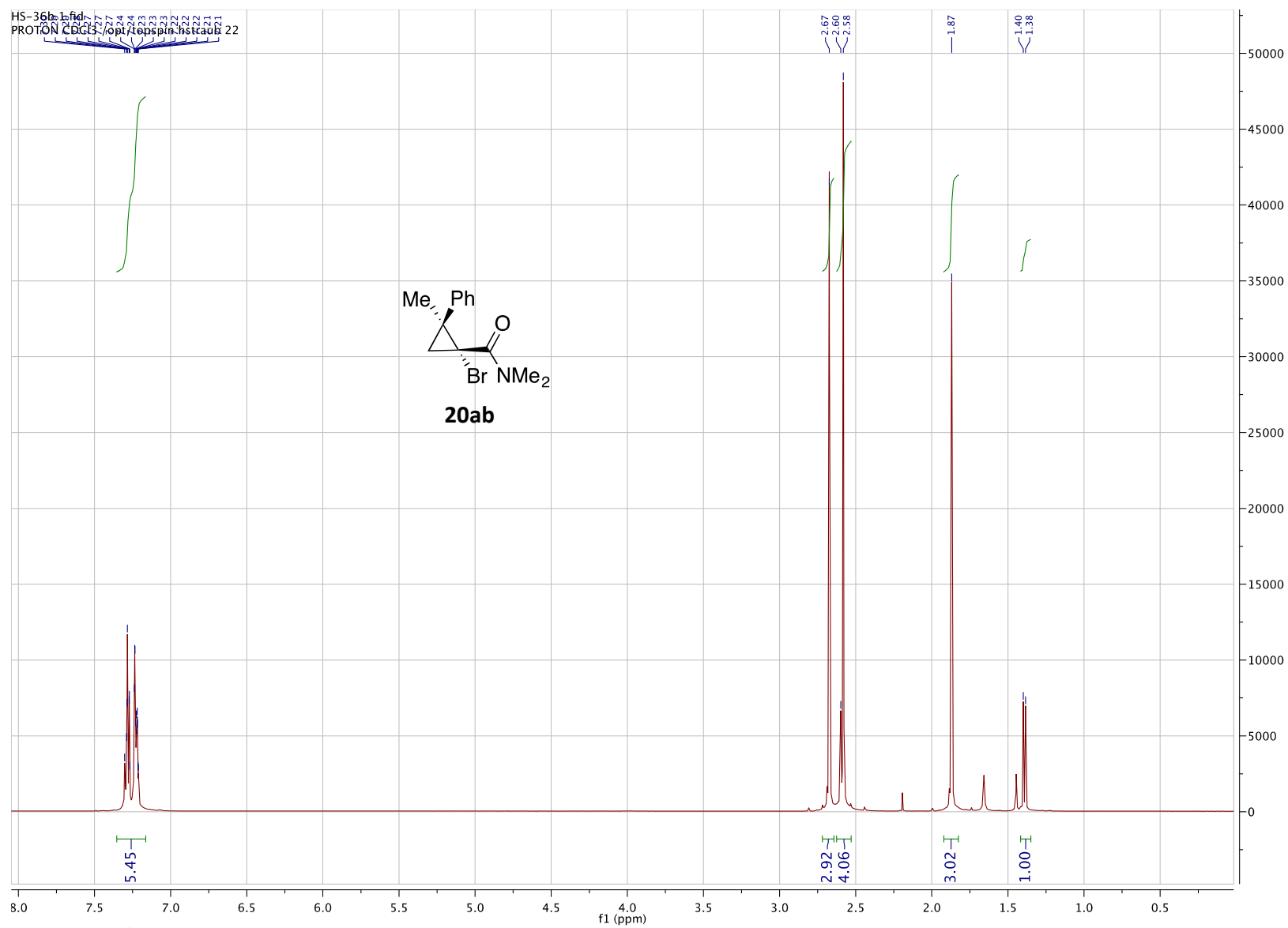


Figure S1. ^1H NMR spectrum of compound **20ab**.

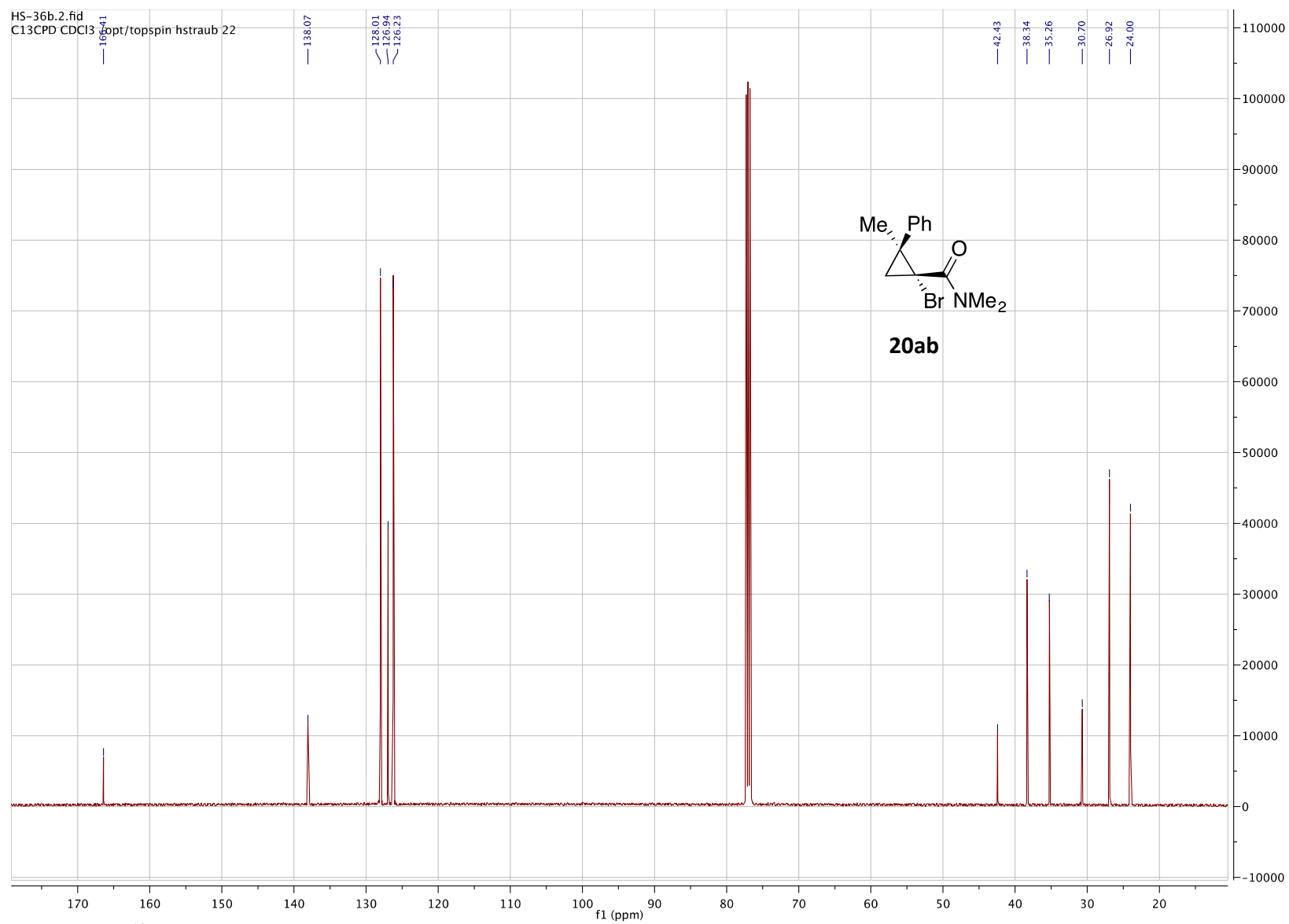


Figure S2. ^{13}C NMR spectrum of compound **20ab**.

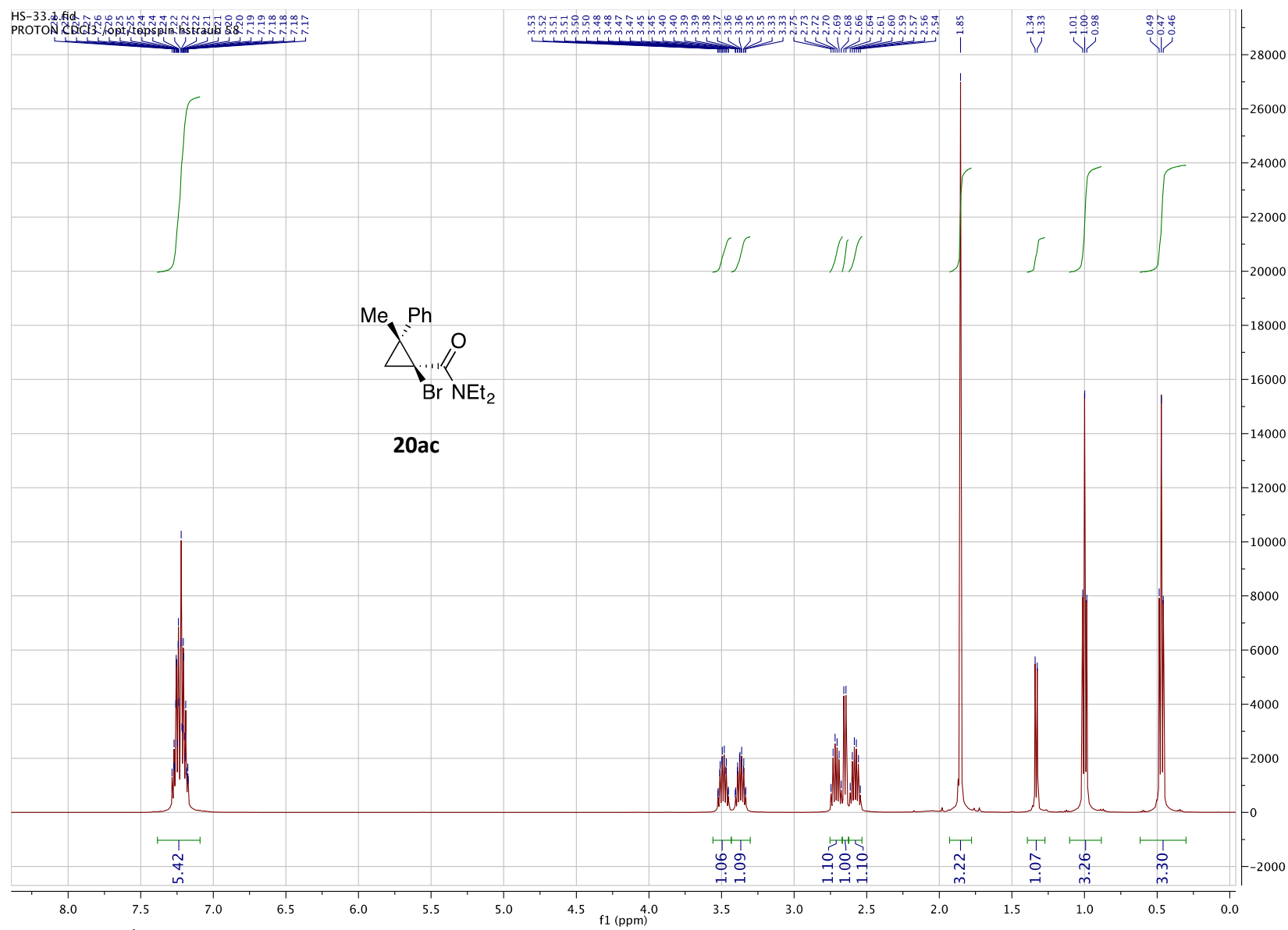


Figure S3. ¹H NMR spectrum of compound **20ac**

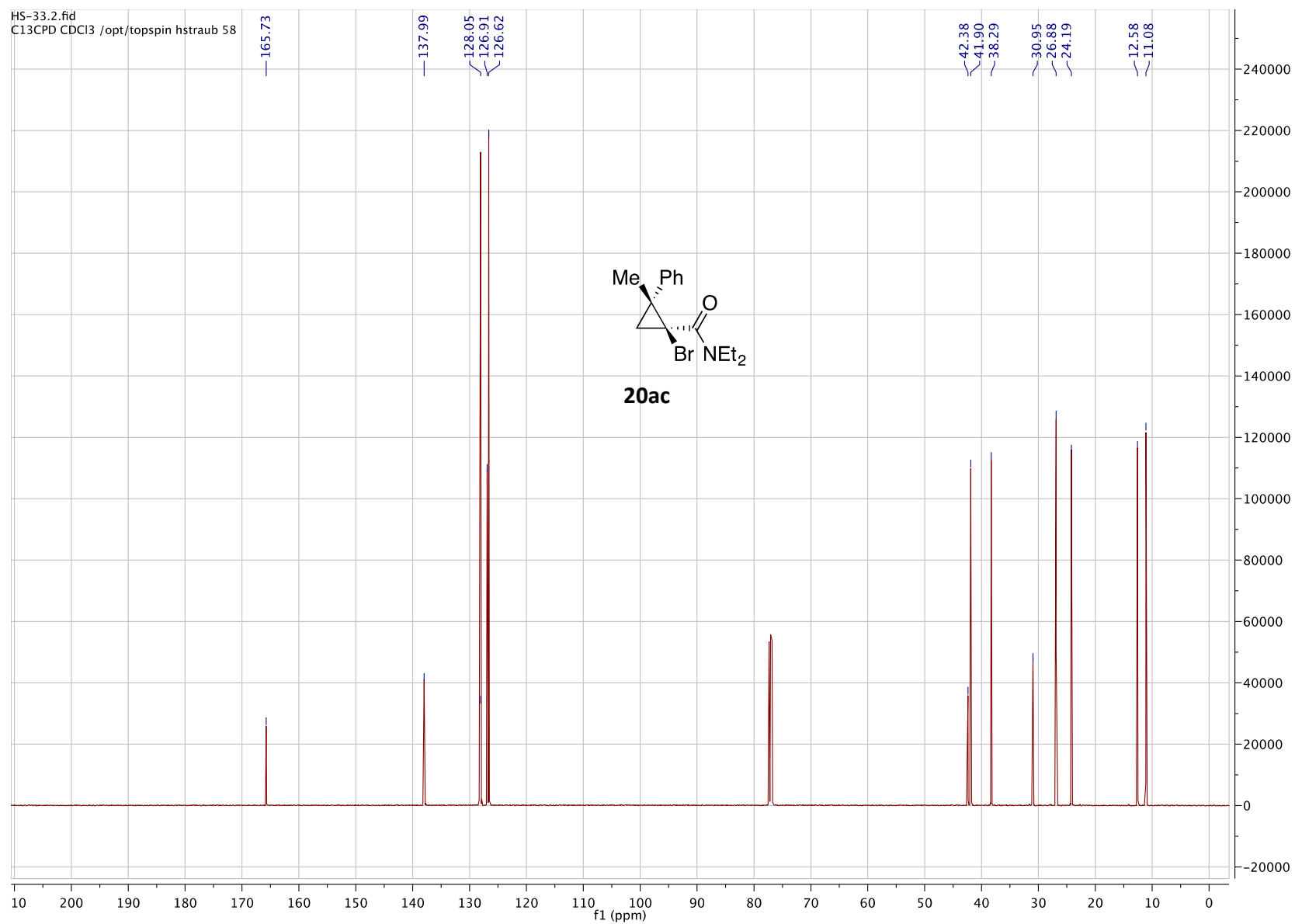


Figure S4. ^{13}C NMR spectrum of compound **20ac**

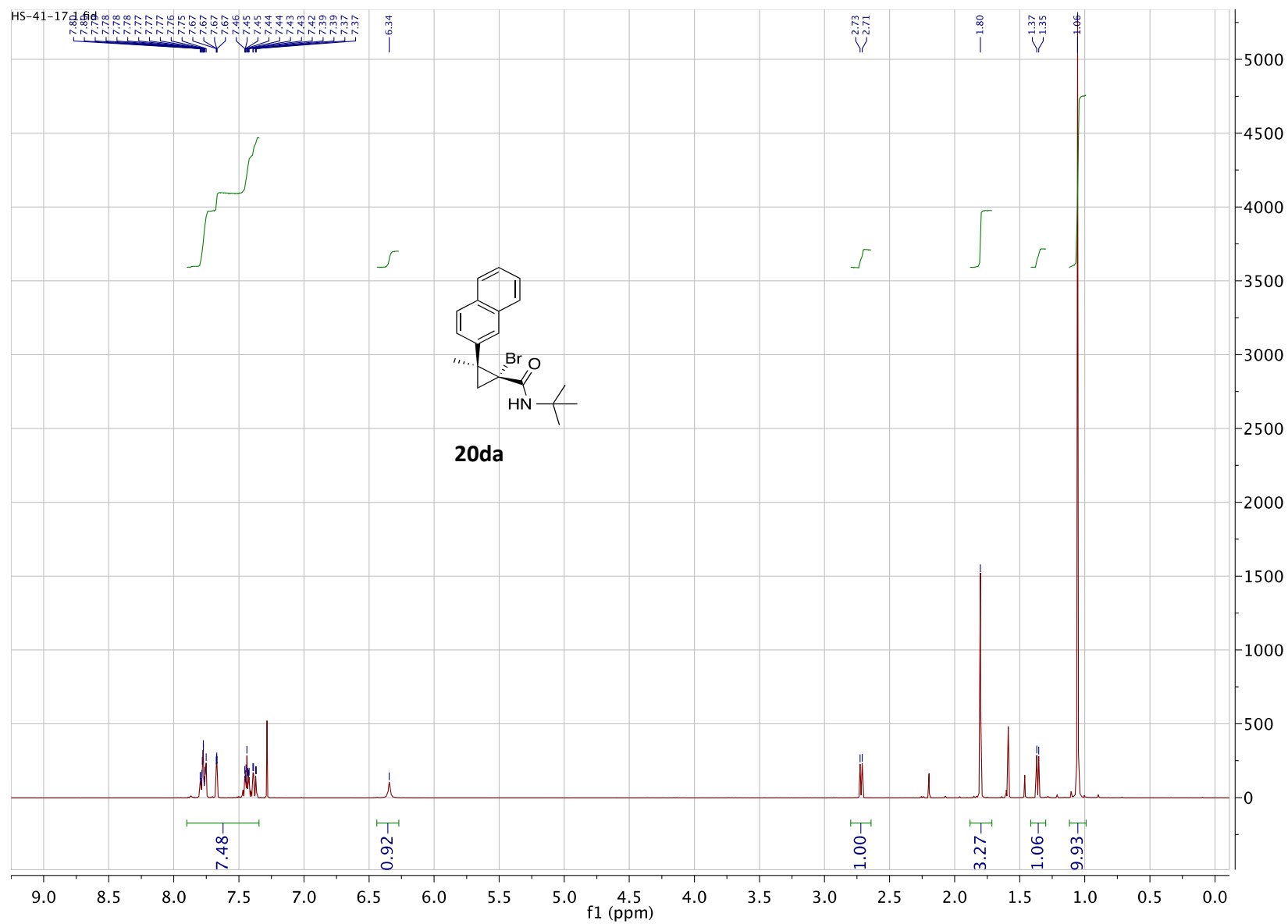


Figure S5. ^1H NMR spectrum of compound 20da

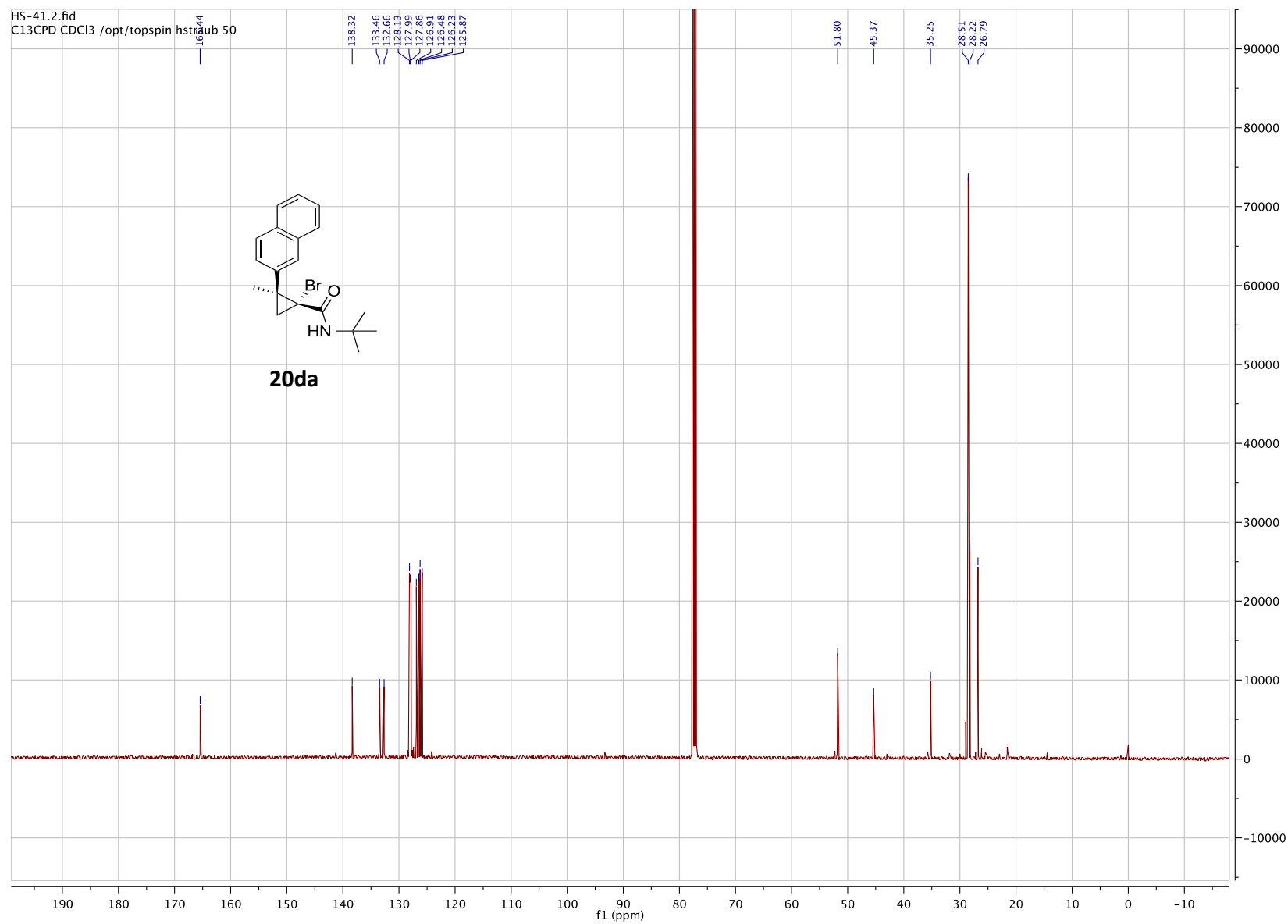


Figure S6. ^{13}C NMR spectrum of compound **20da**

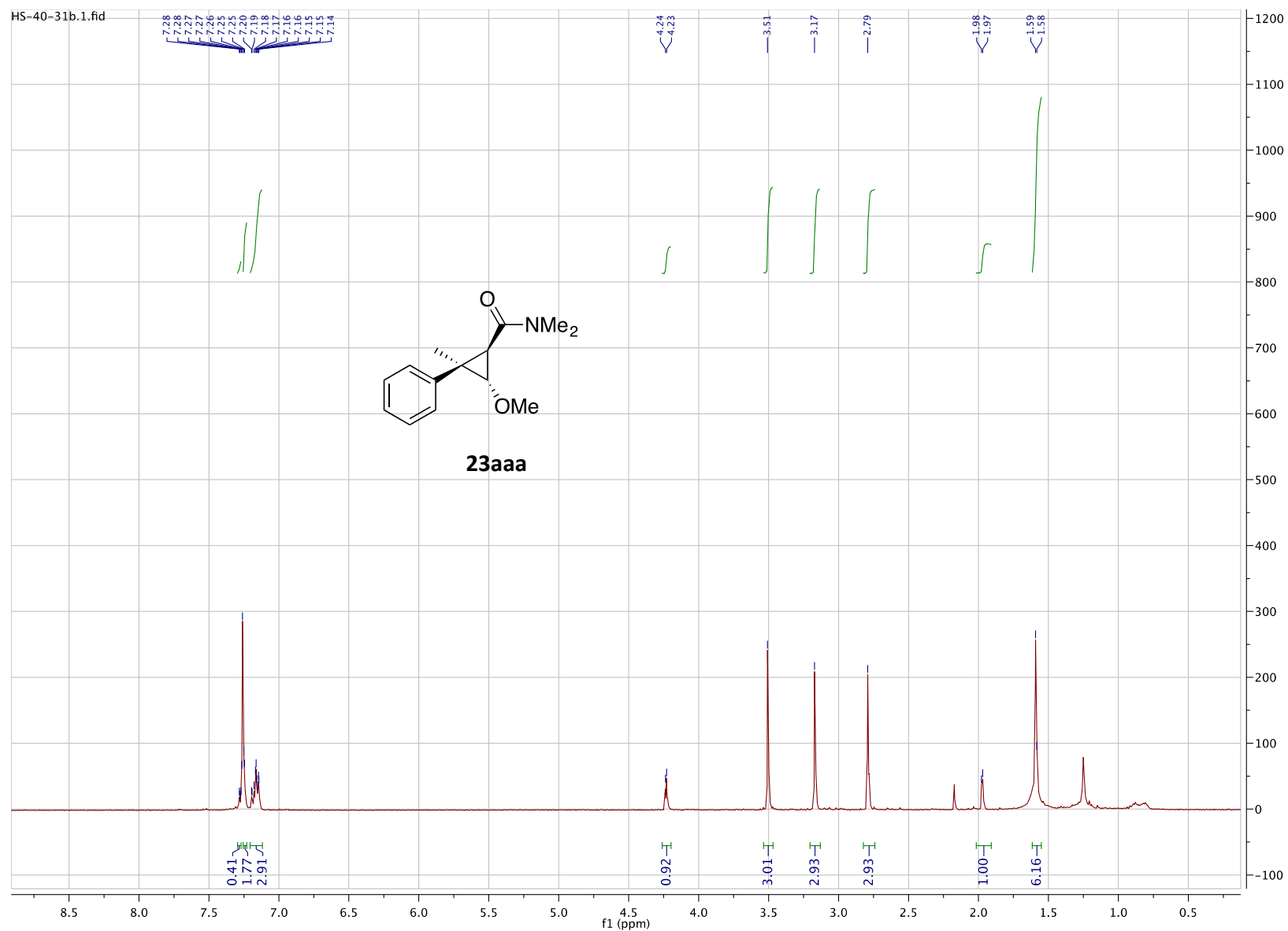


Figure S7. ^1H NMR spectrum of compound **23aaa**

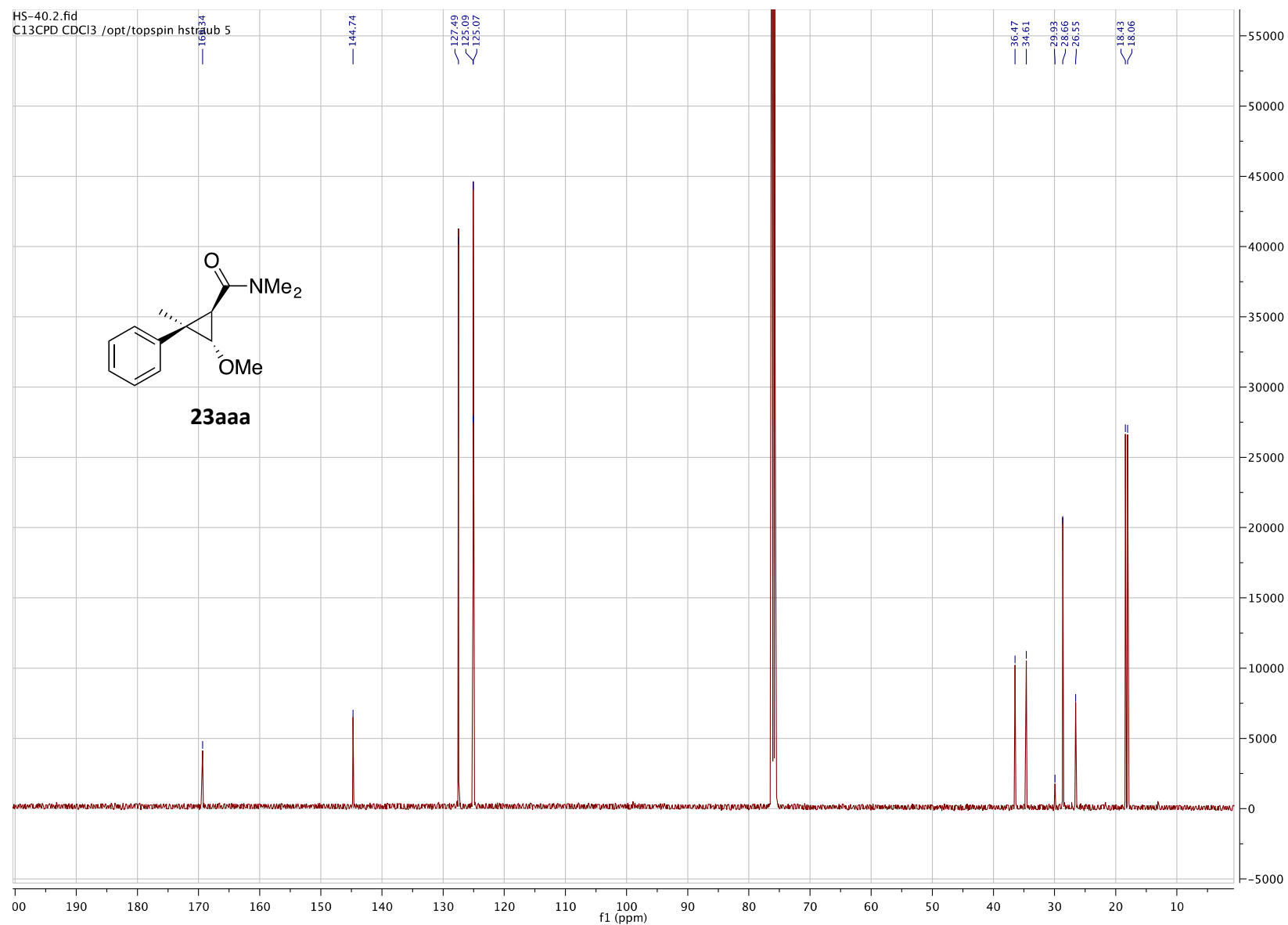


Figure S8. ^{13}C NMR spectrum of compound **23aaa**

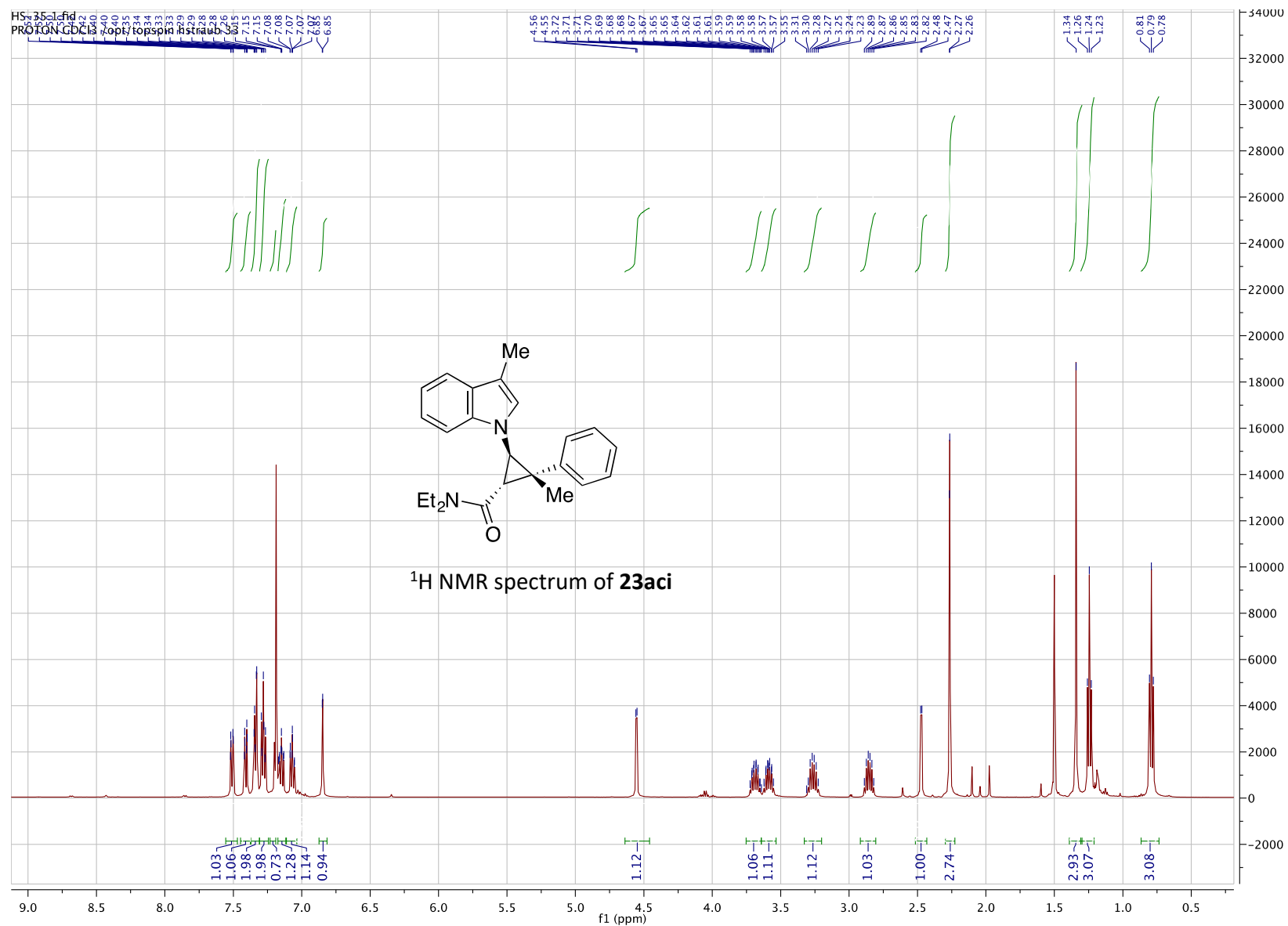


Figure S9. ¹H NMR spectrum of compound **23aci**

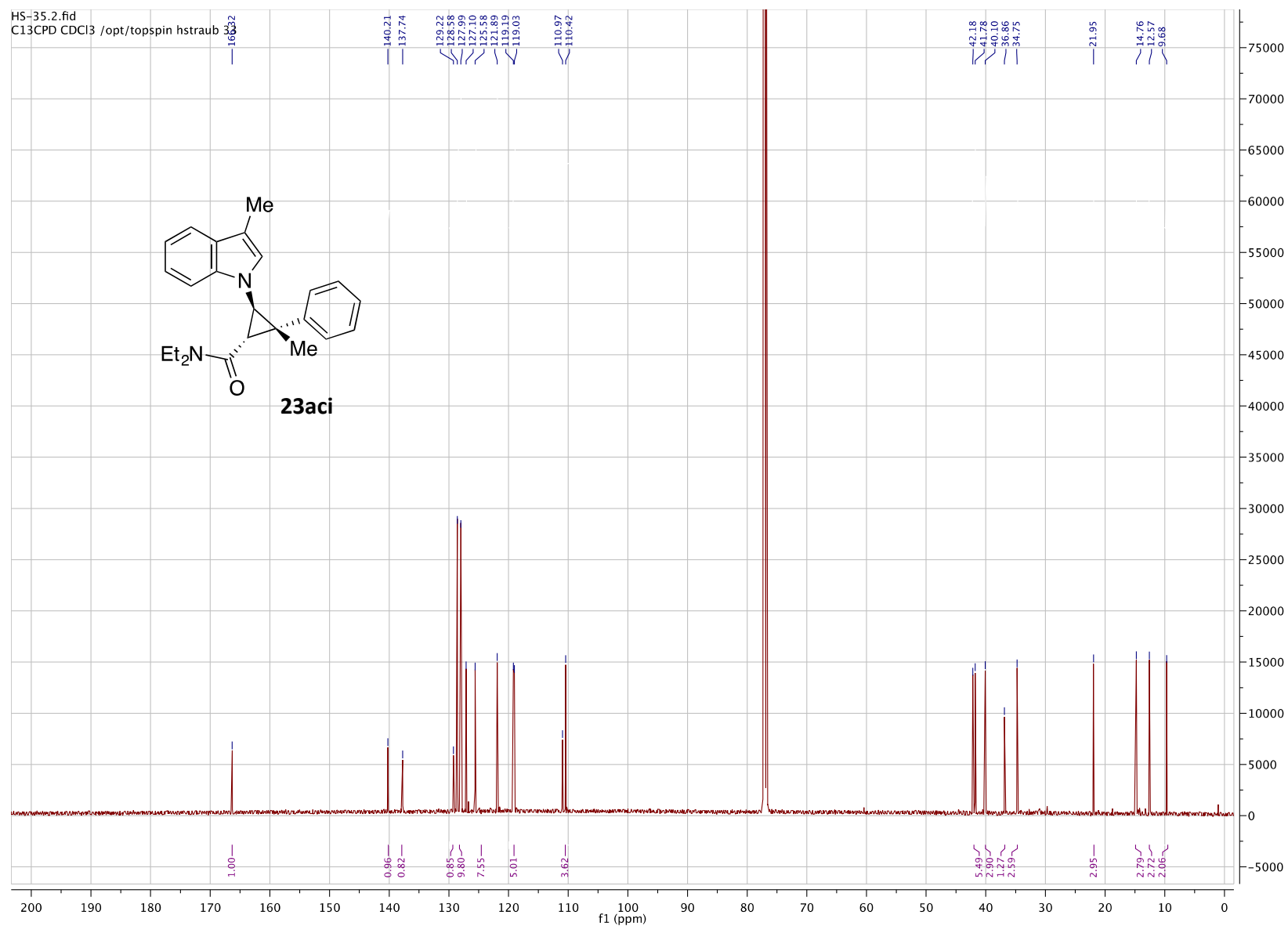


Figure S10. ^{13}C NMR spectrum of compound **23aci**

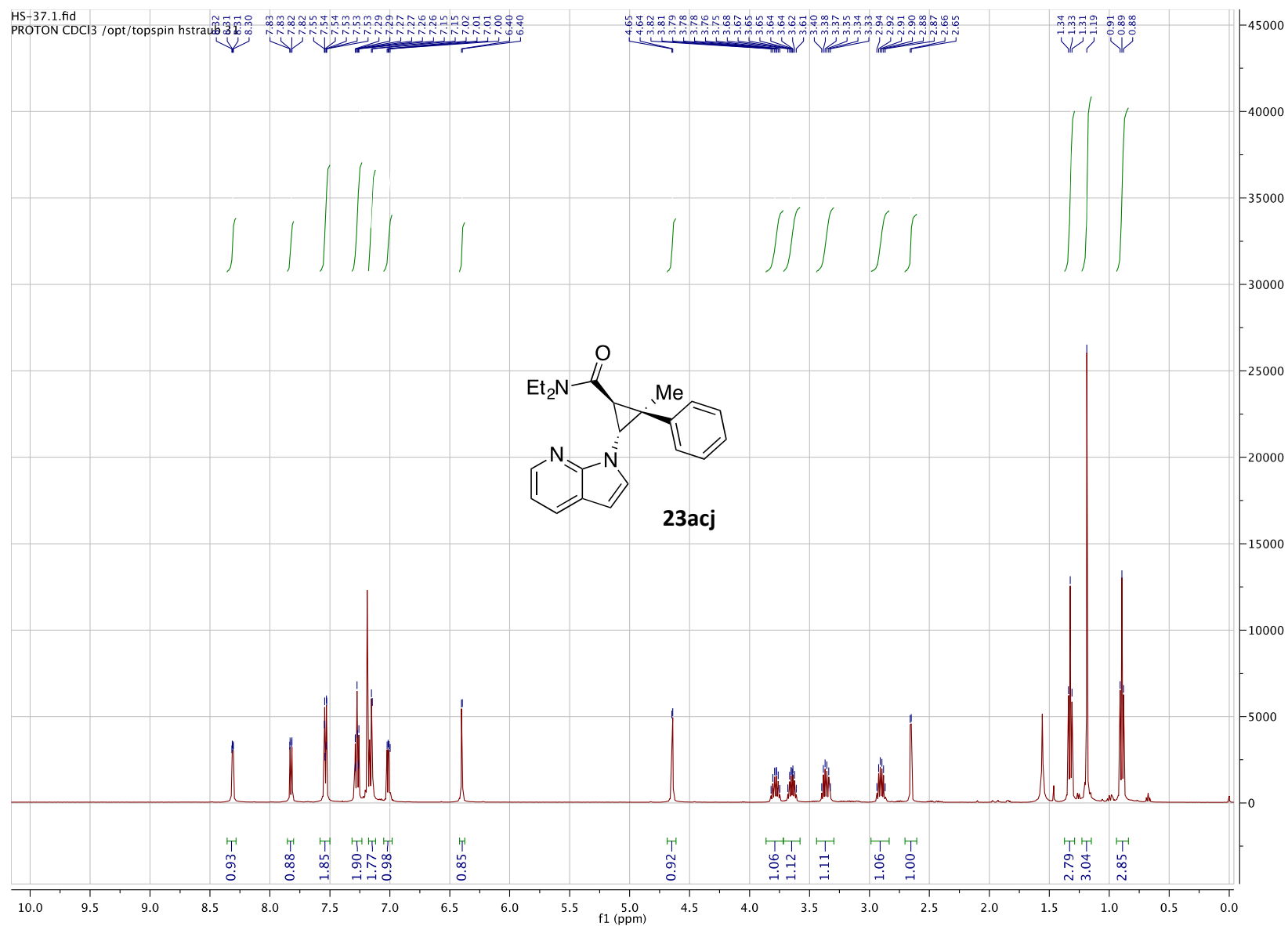


Figure S11. ^1H NMR spectrum of compound **23acj**

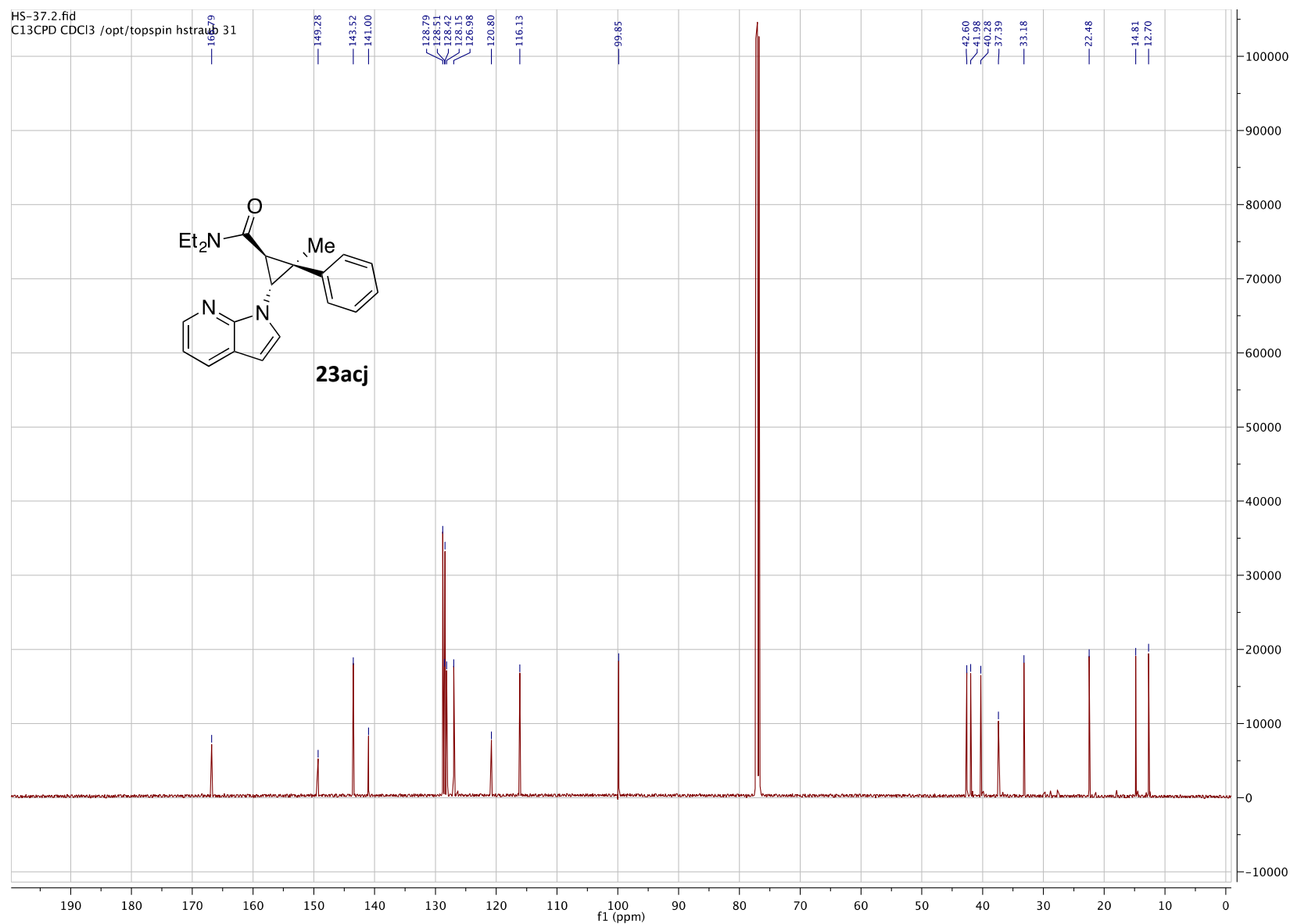


Figure S12. ^{13}C NMR spectrum of compound **23acj**

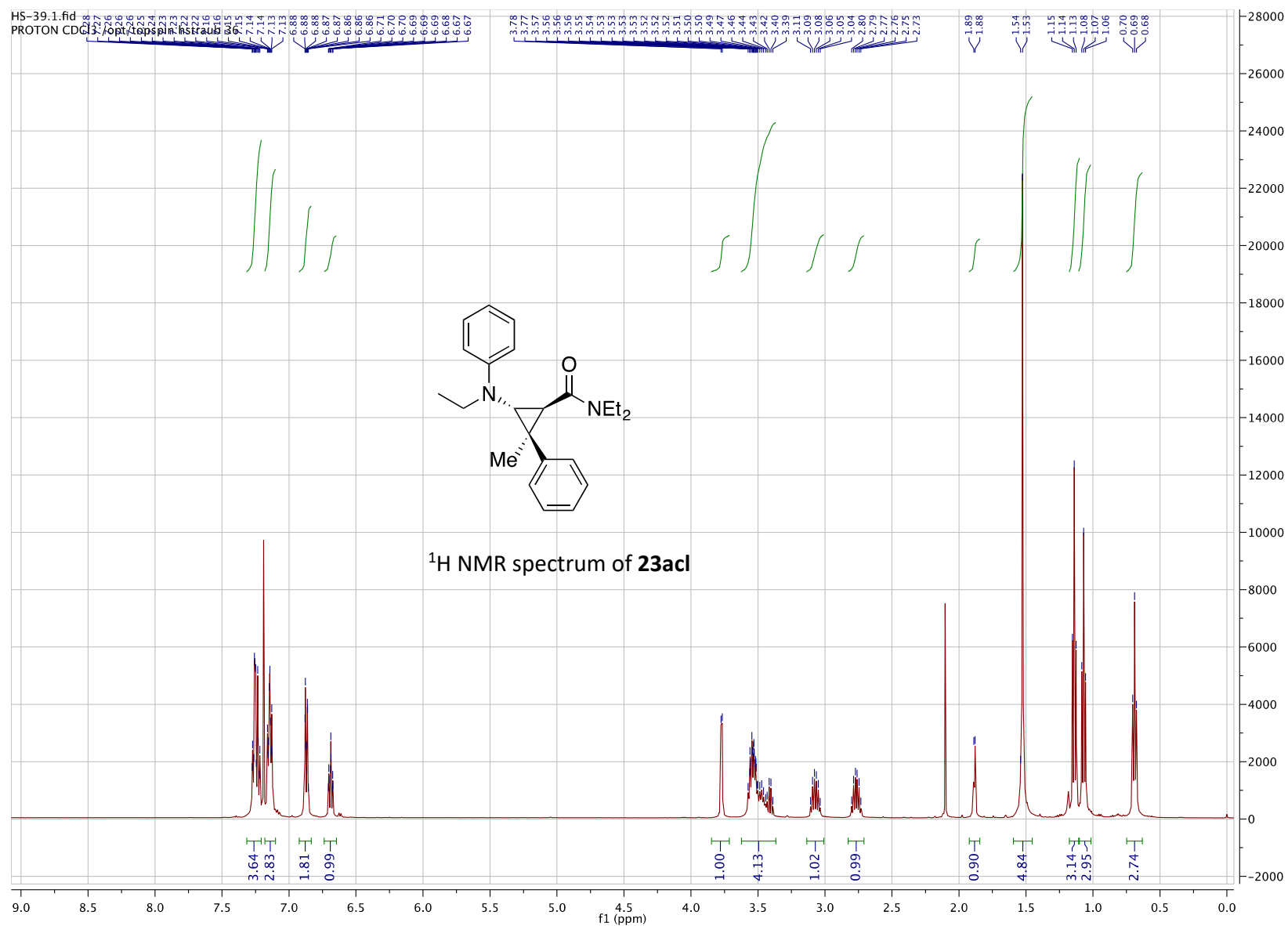


Figure S13. ¹H NMR spectrum of compound **23acl**

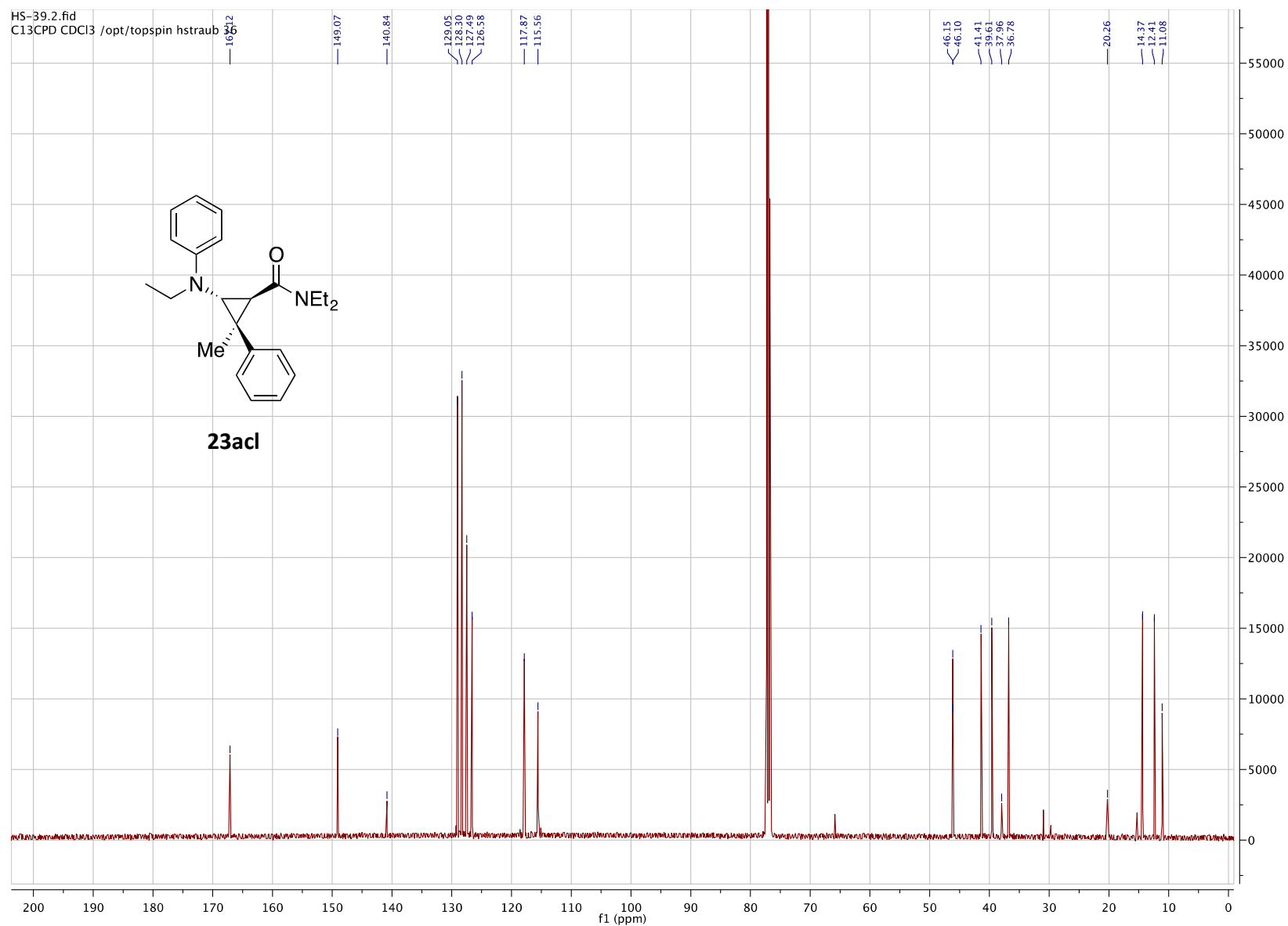


Figure S14. ^{13}C NMR spectrum of compound **23acl**

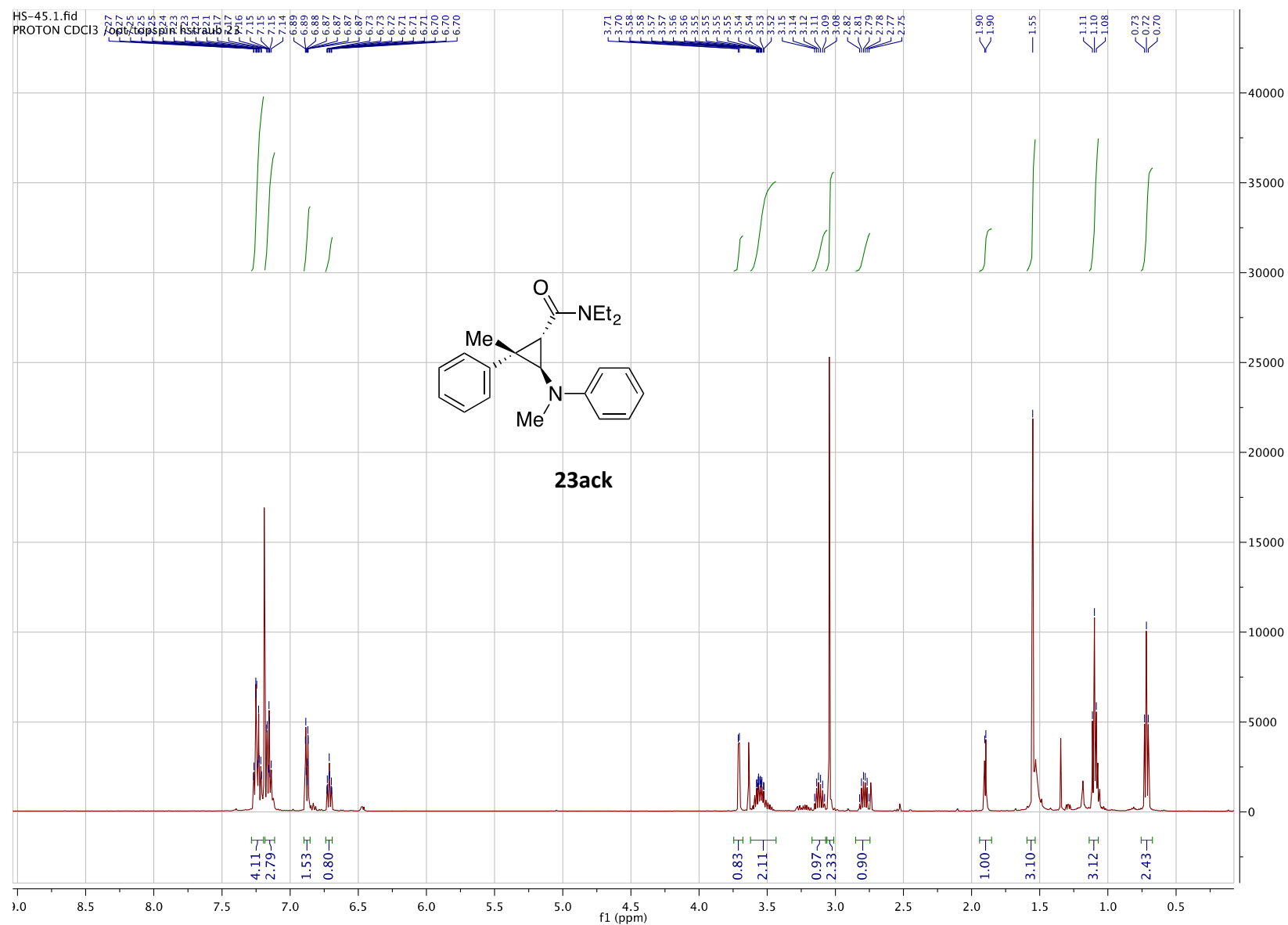


Figure S15. ^1H NMR spectrum of compound **23ack**

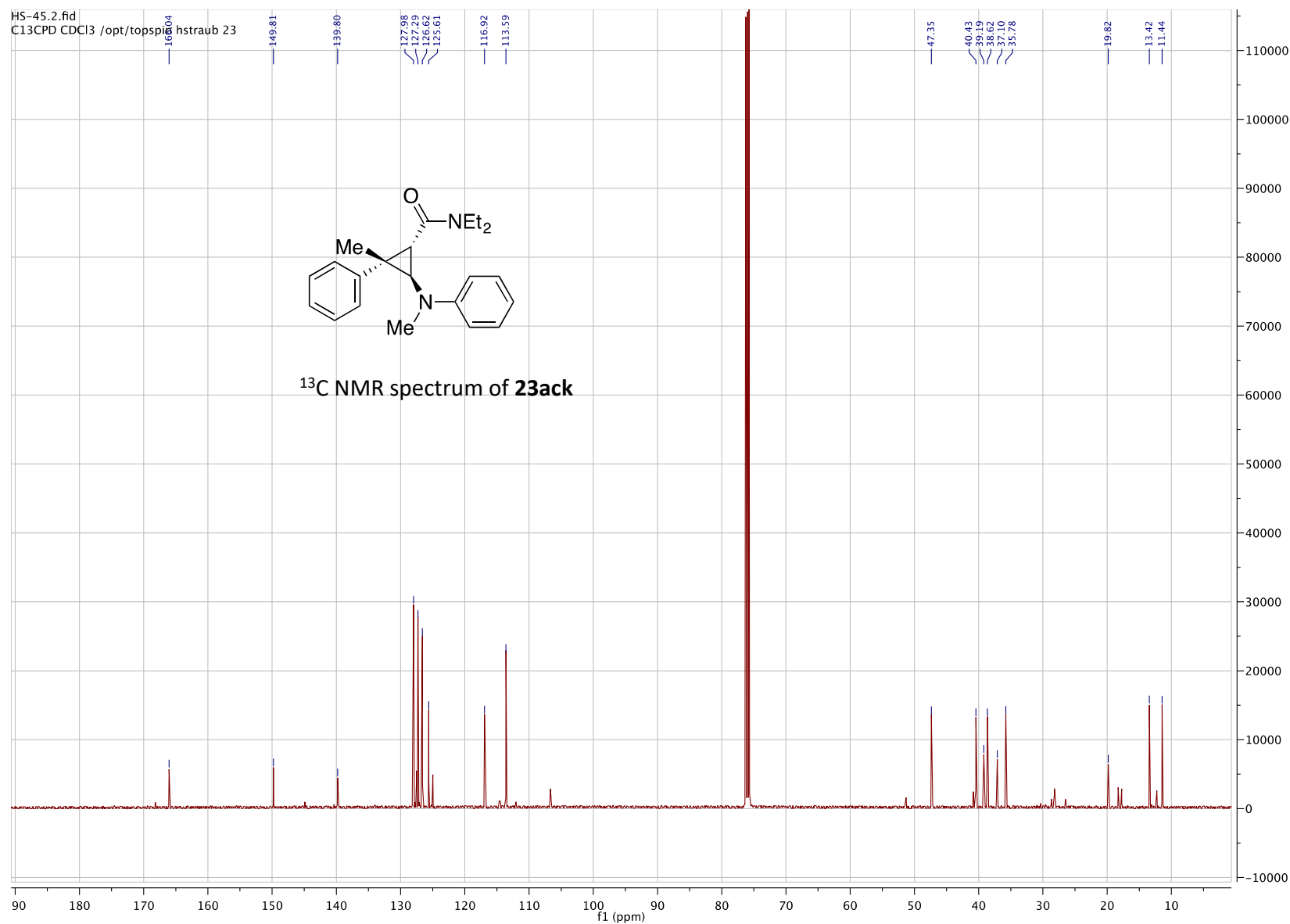


Figure S16. ¹³C NMR spectrum of compound **23ack**

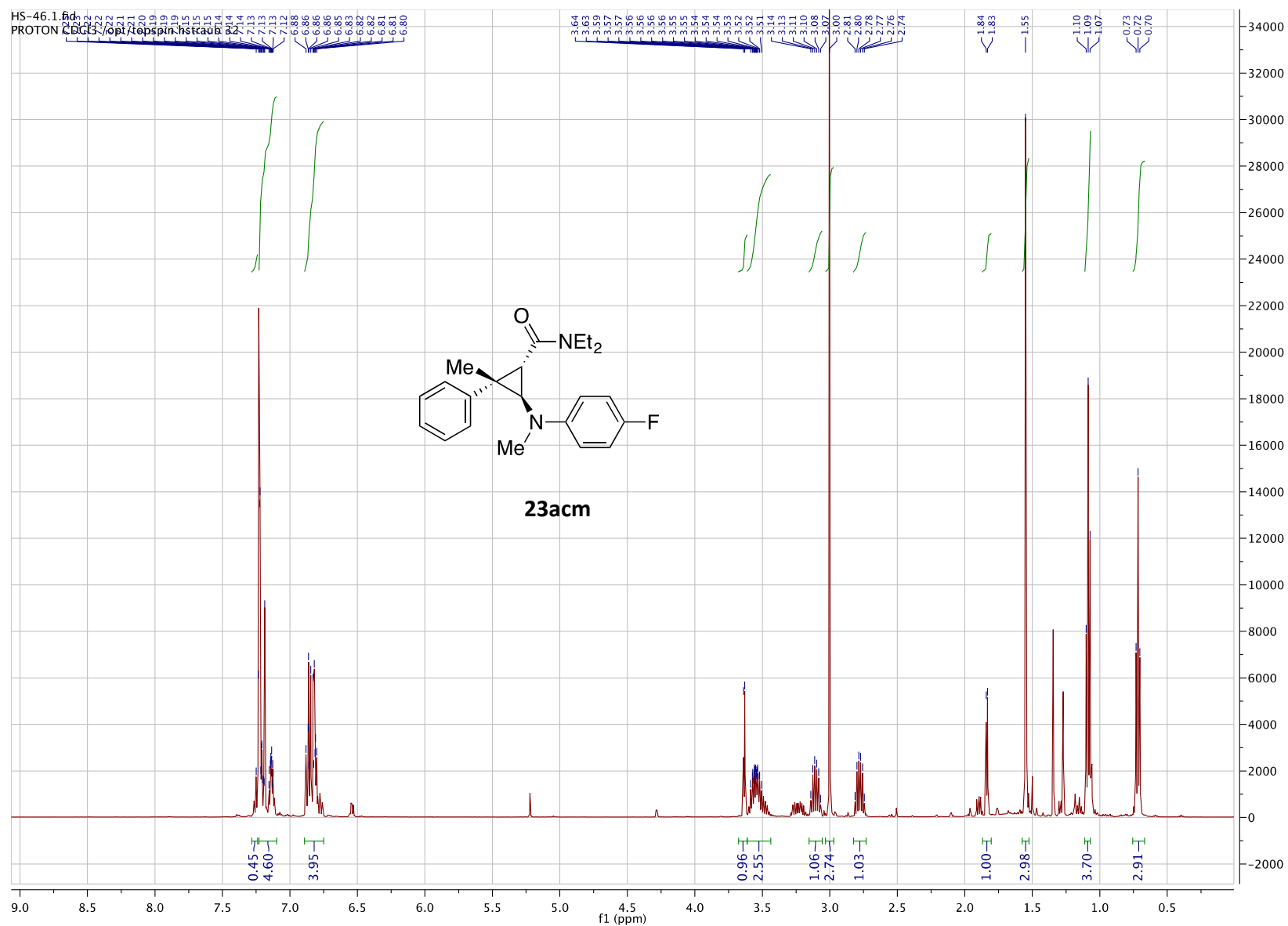


Figure S17. ¹H NMR spectrum of compound **23acm**

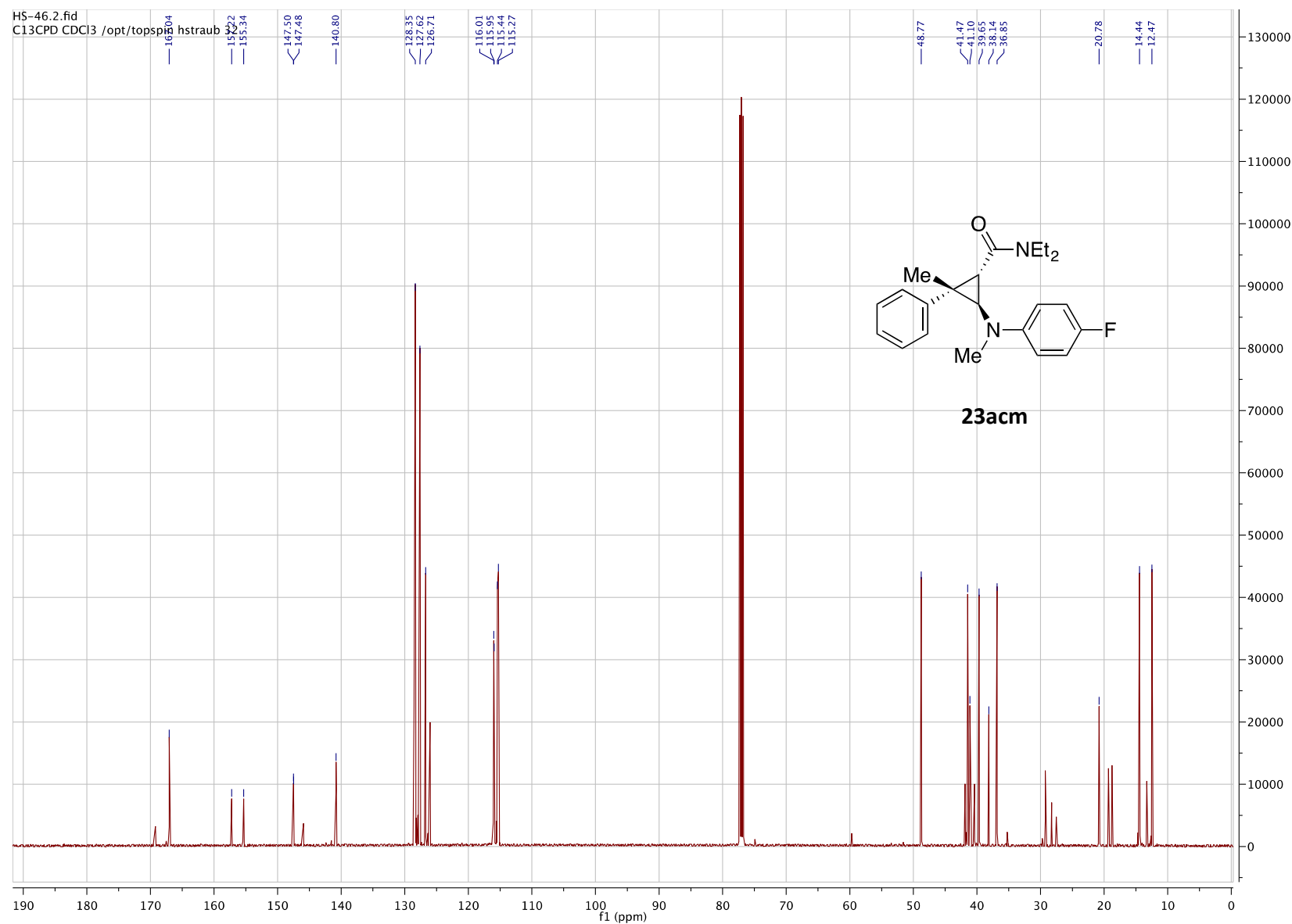


Figure S18. ^{13}C NMR spectrum of compound **23acm**

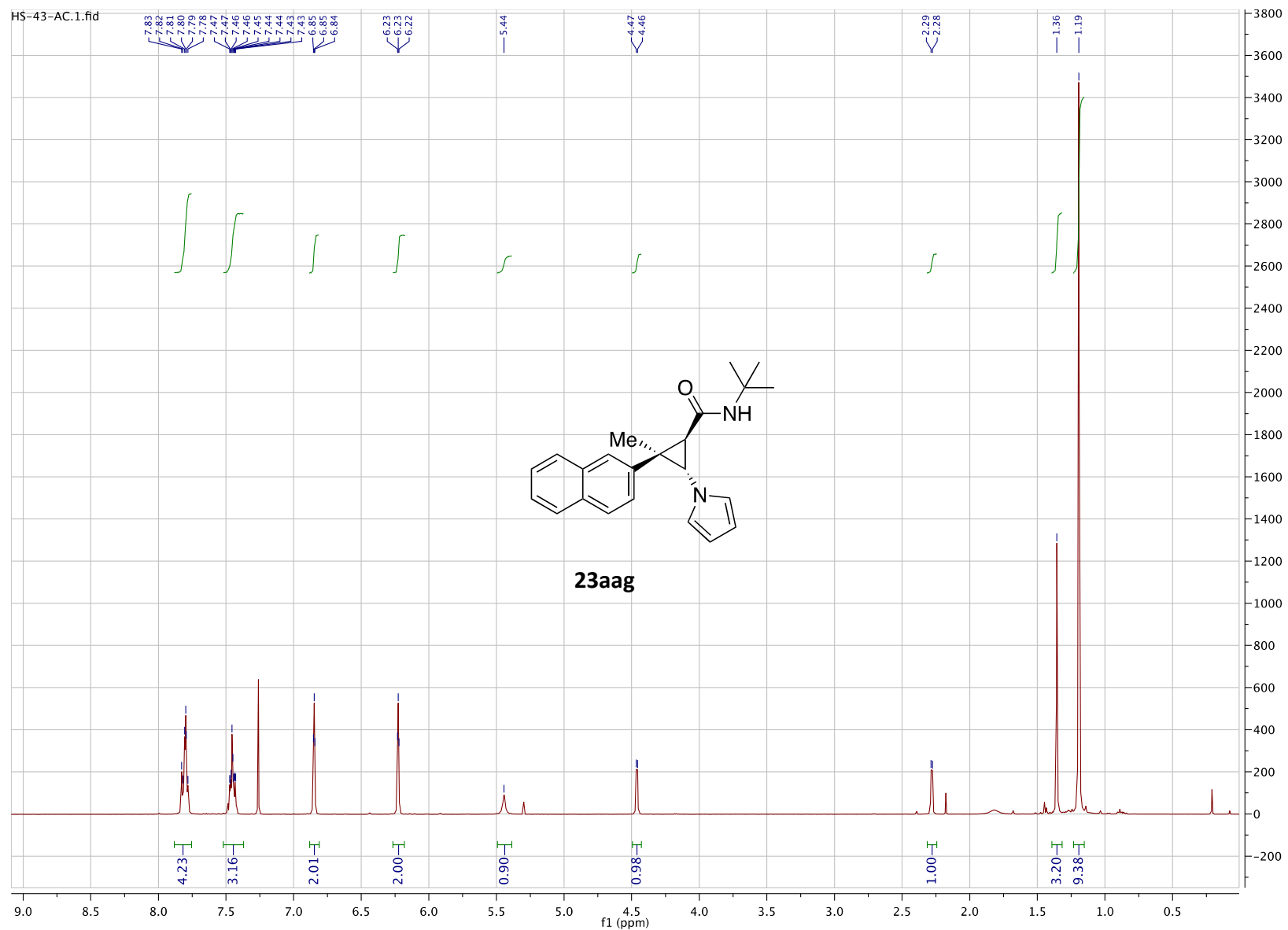


Figure S19. ^1H NMR spectrum of compound **23aag**

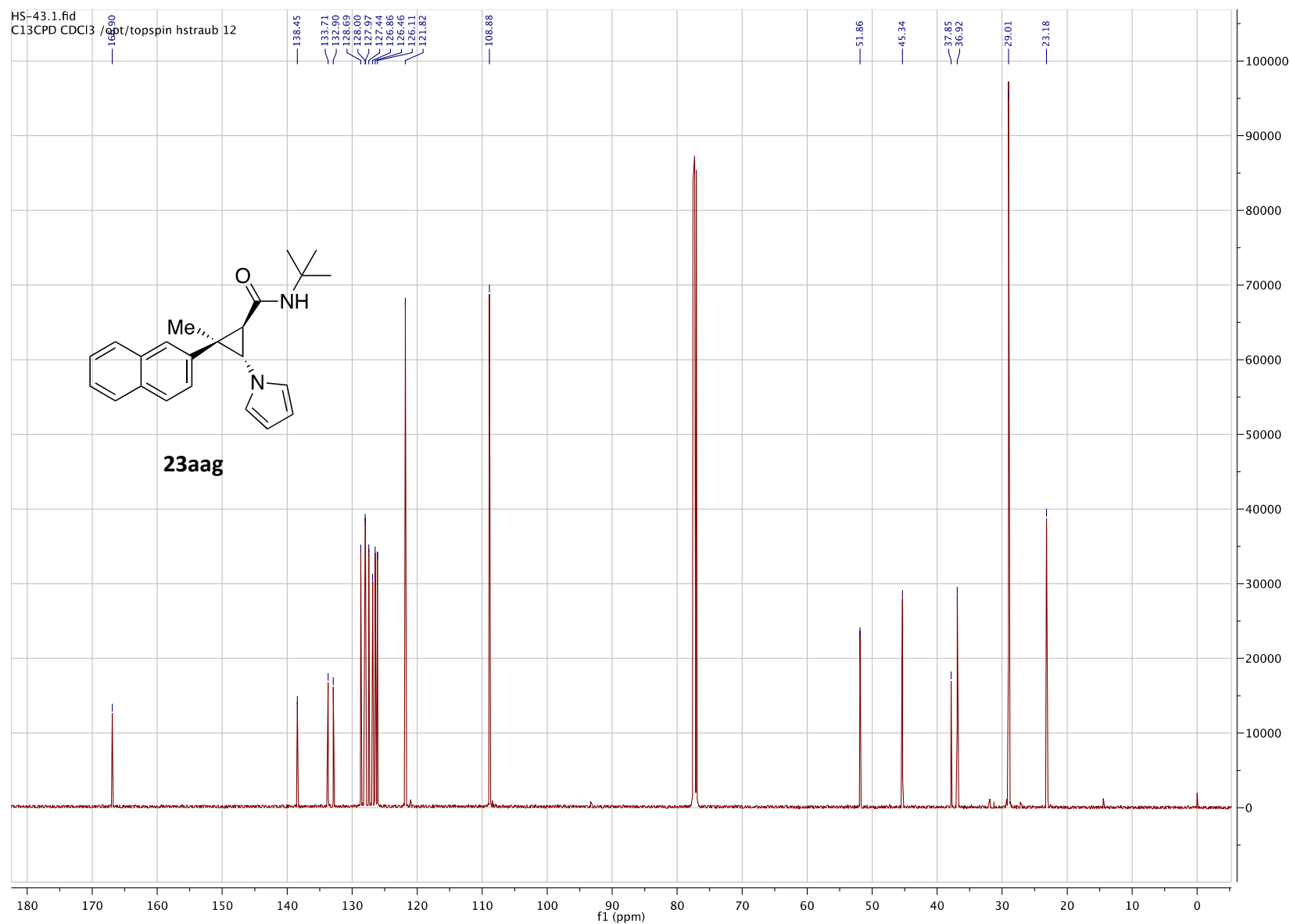


Figure S20. ^{13}C NMR spectrum of compound **23aag**

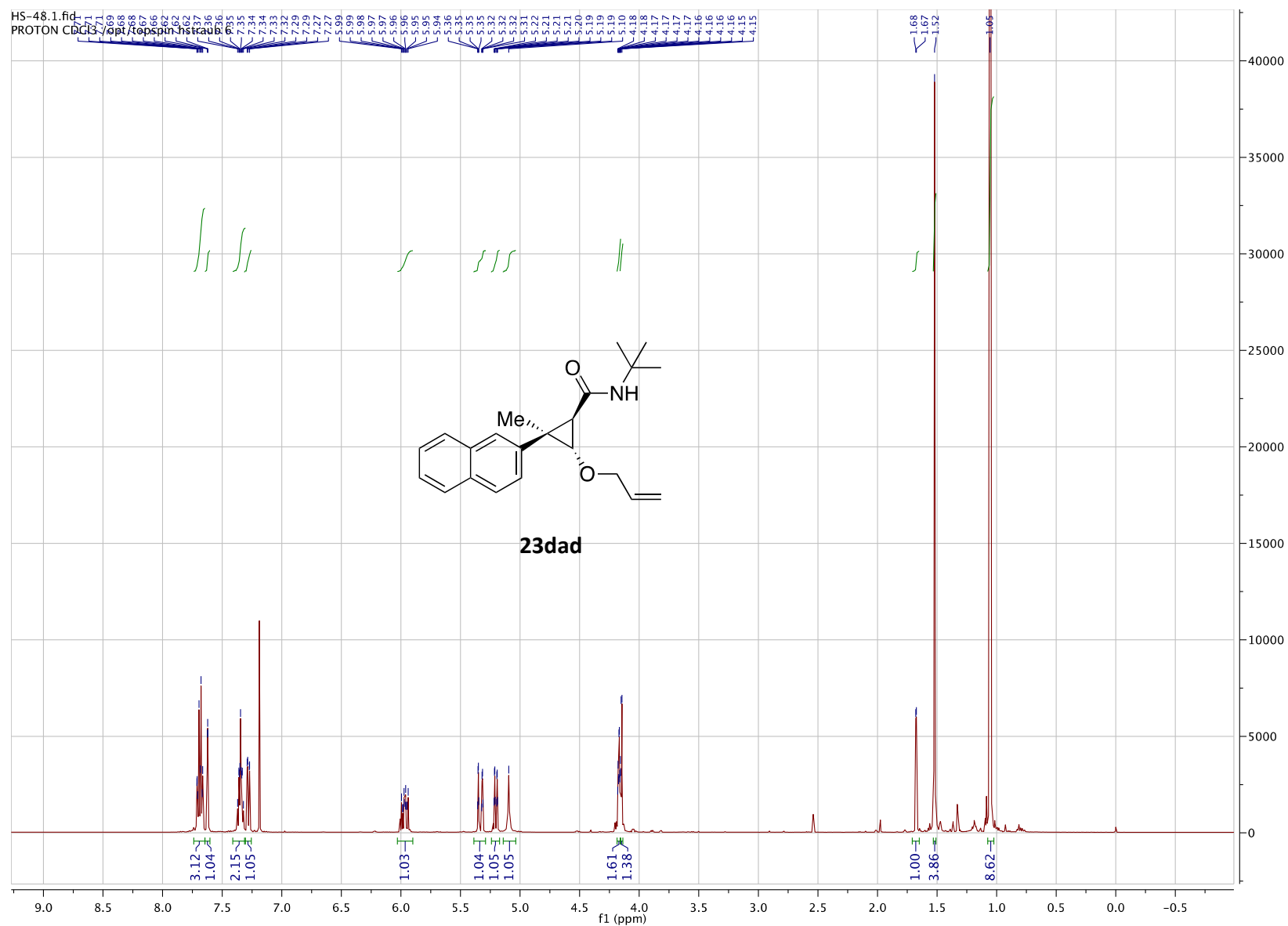


Figure S21. ¹H NMR spectrum of compound **23dad**

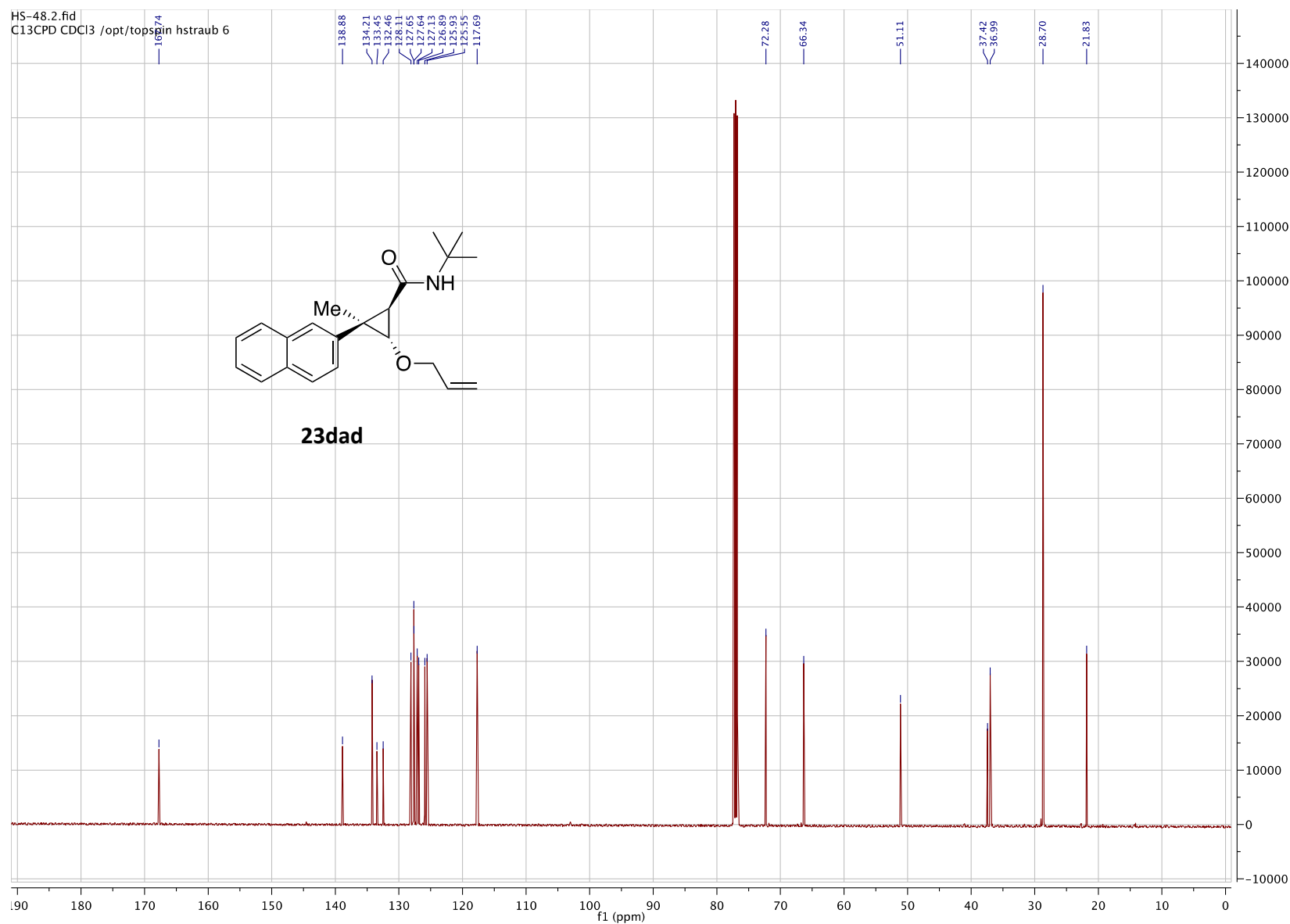


Figure S22. ^{13}C NMR spectrum of compound **23dad**

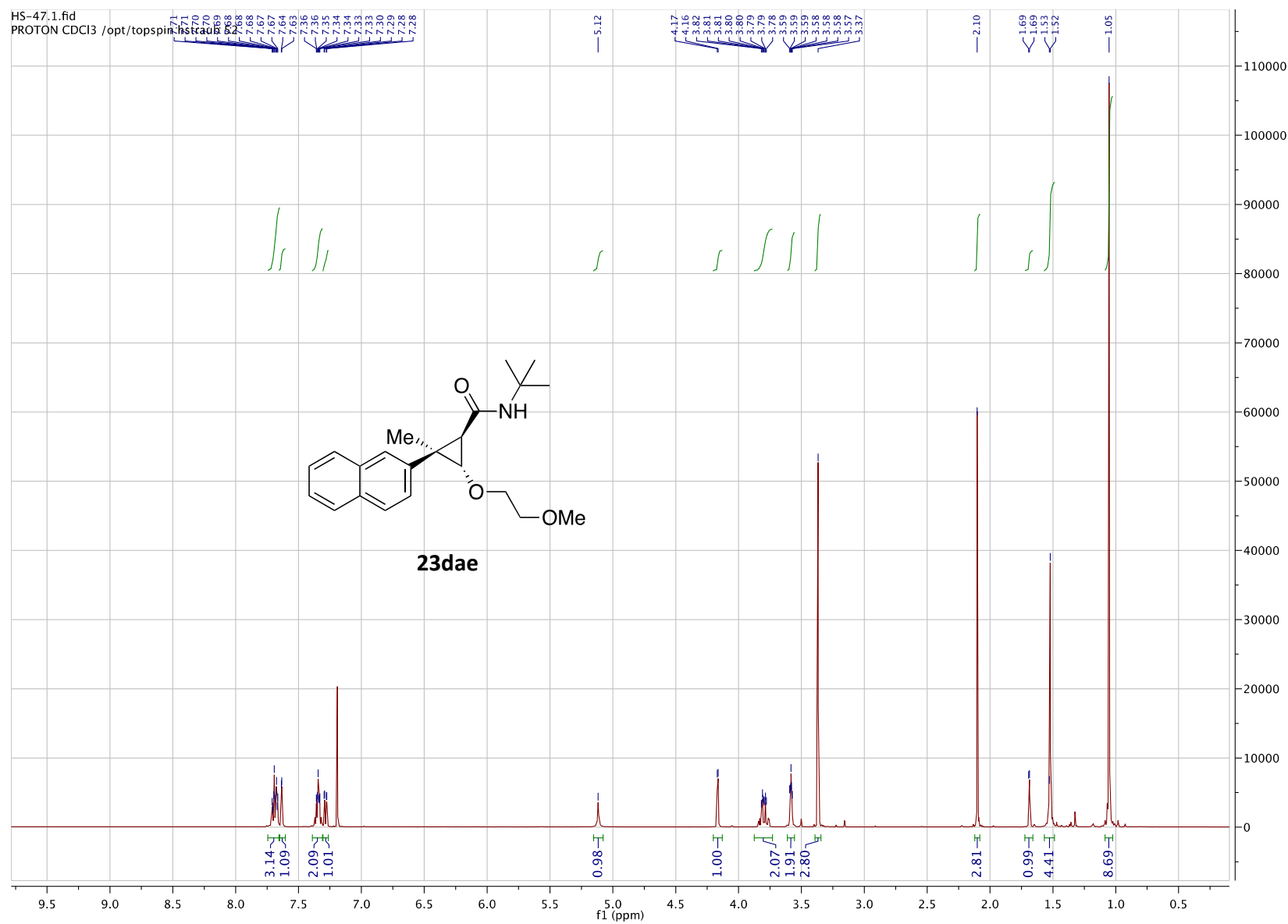


Figure S23. ^1H NMR spectrum of compound **23dae**

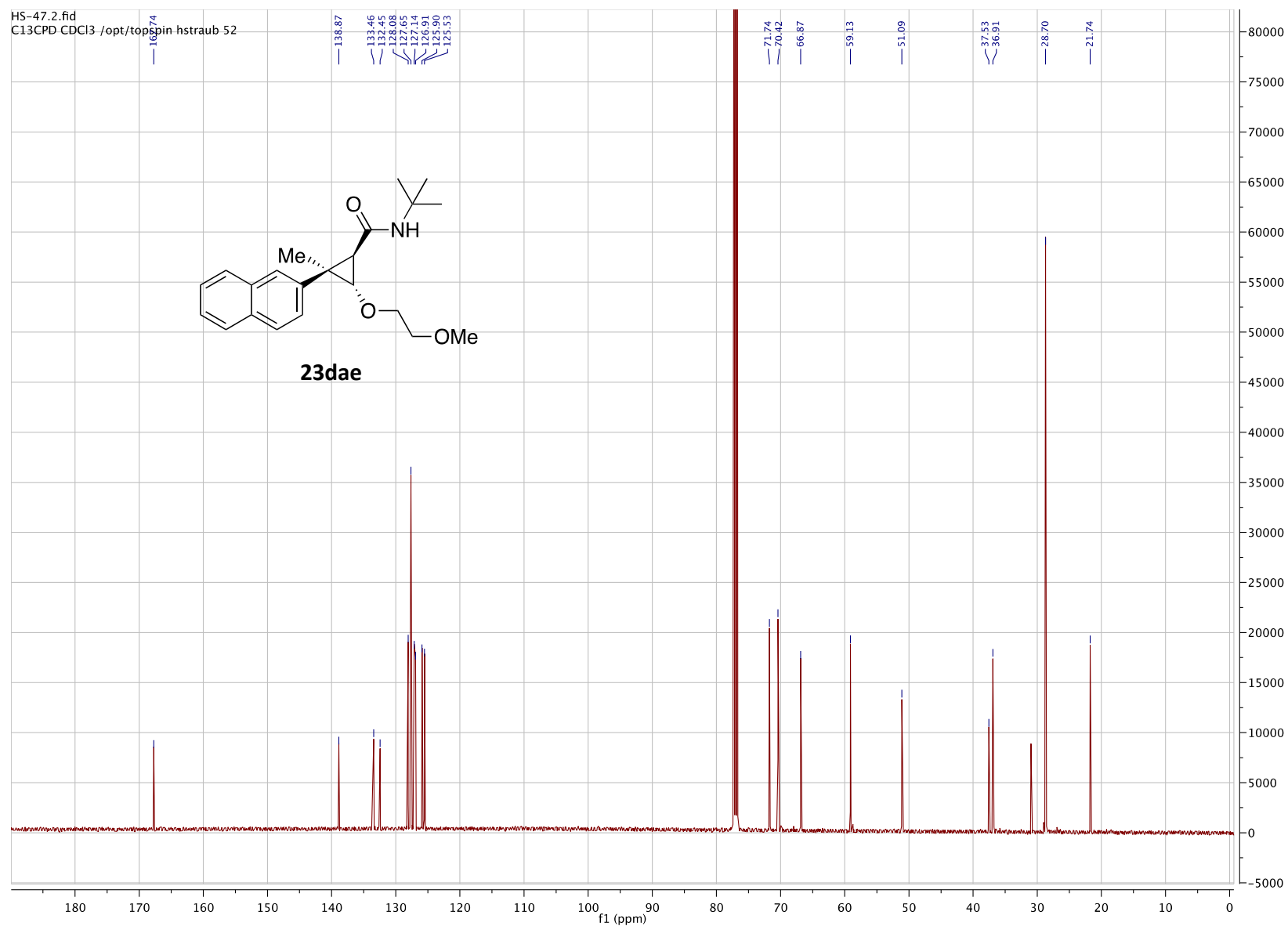


Figure S24. ^{13}C NMR spectrum of compound **23dae**

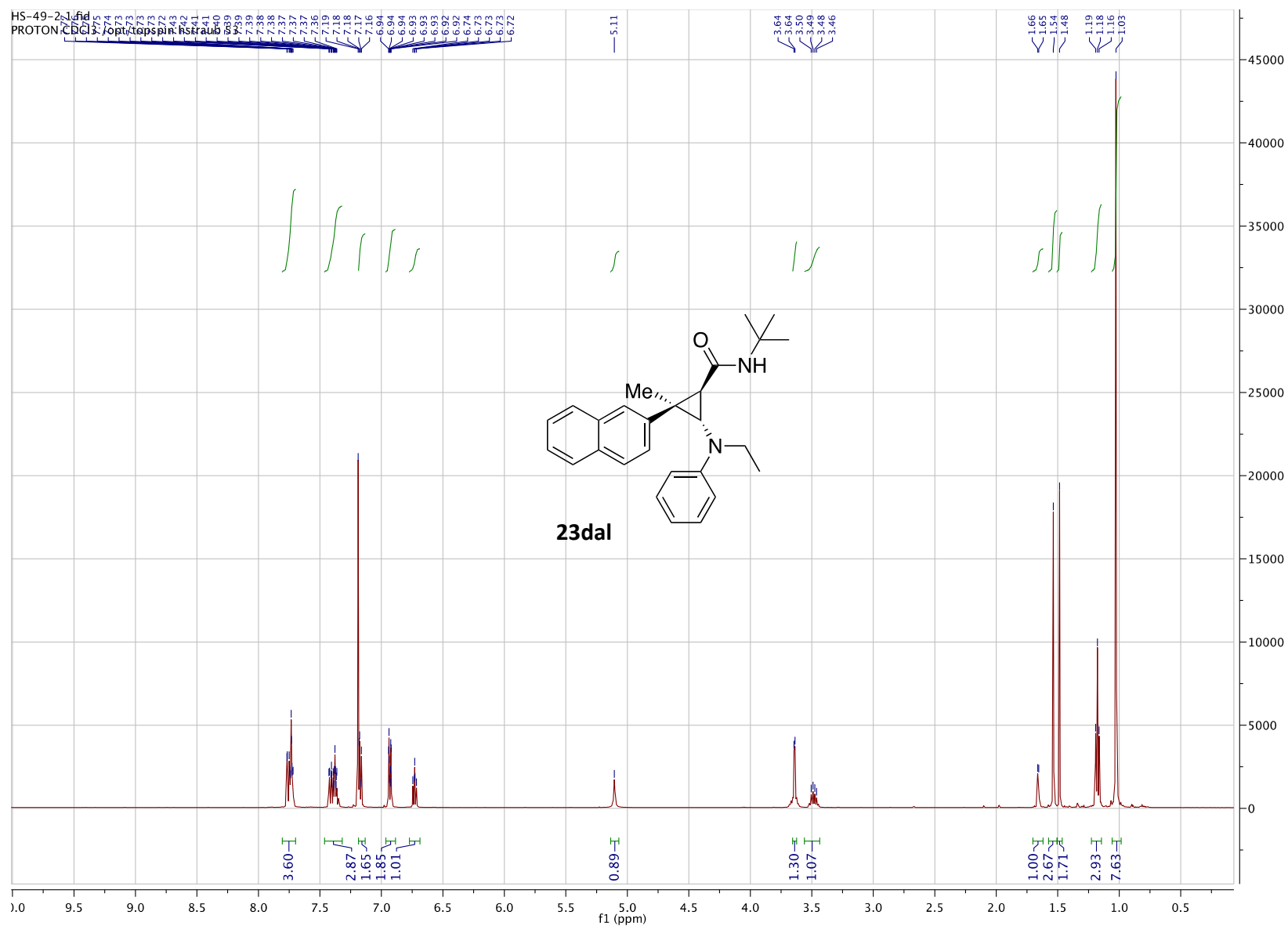


Figure S25. ¹H NMR spectrum of compound **23dal**

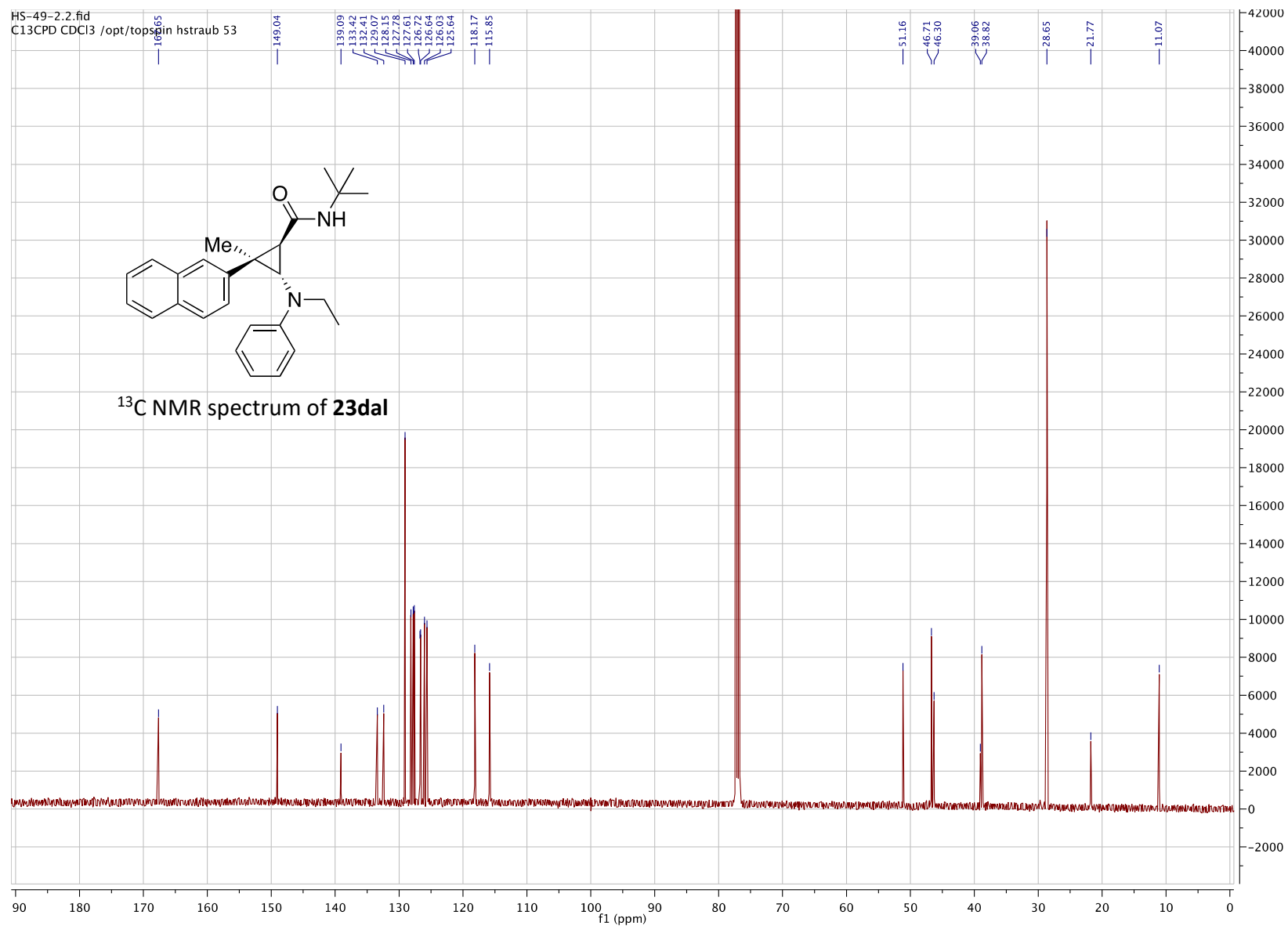


Figure S26. ¹³C NMR spectrum of compound 23dal

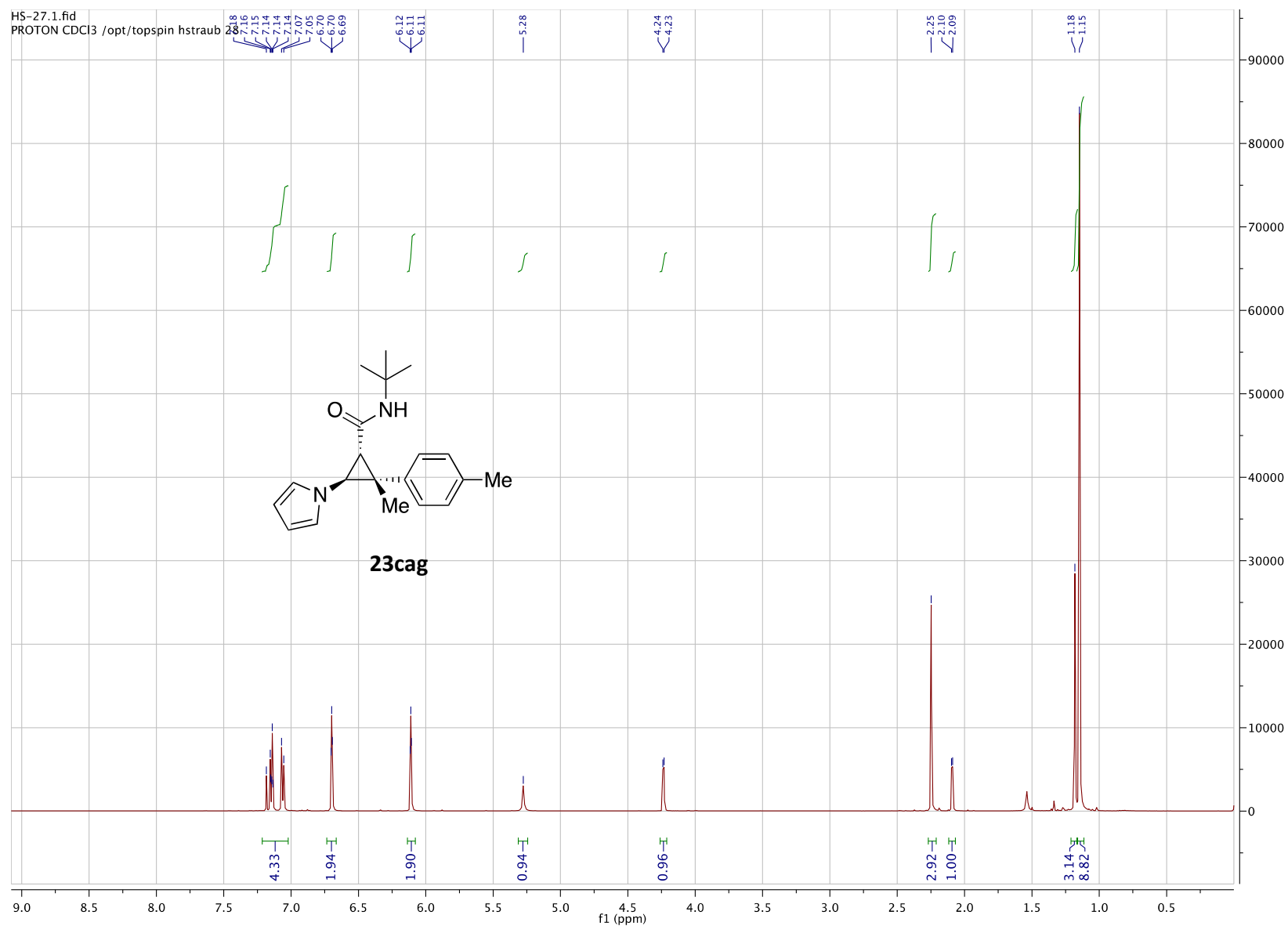


Figure S27. ^1H NMR spectrum of compound **23cag**

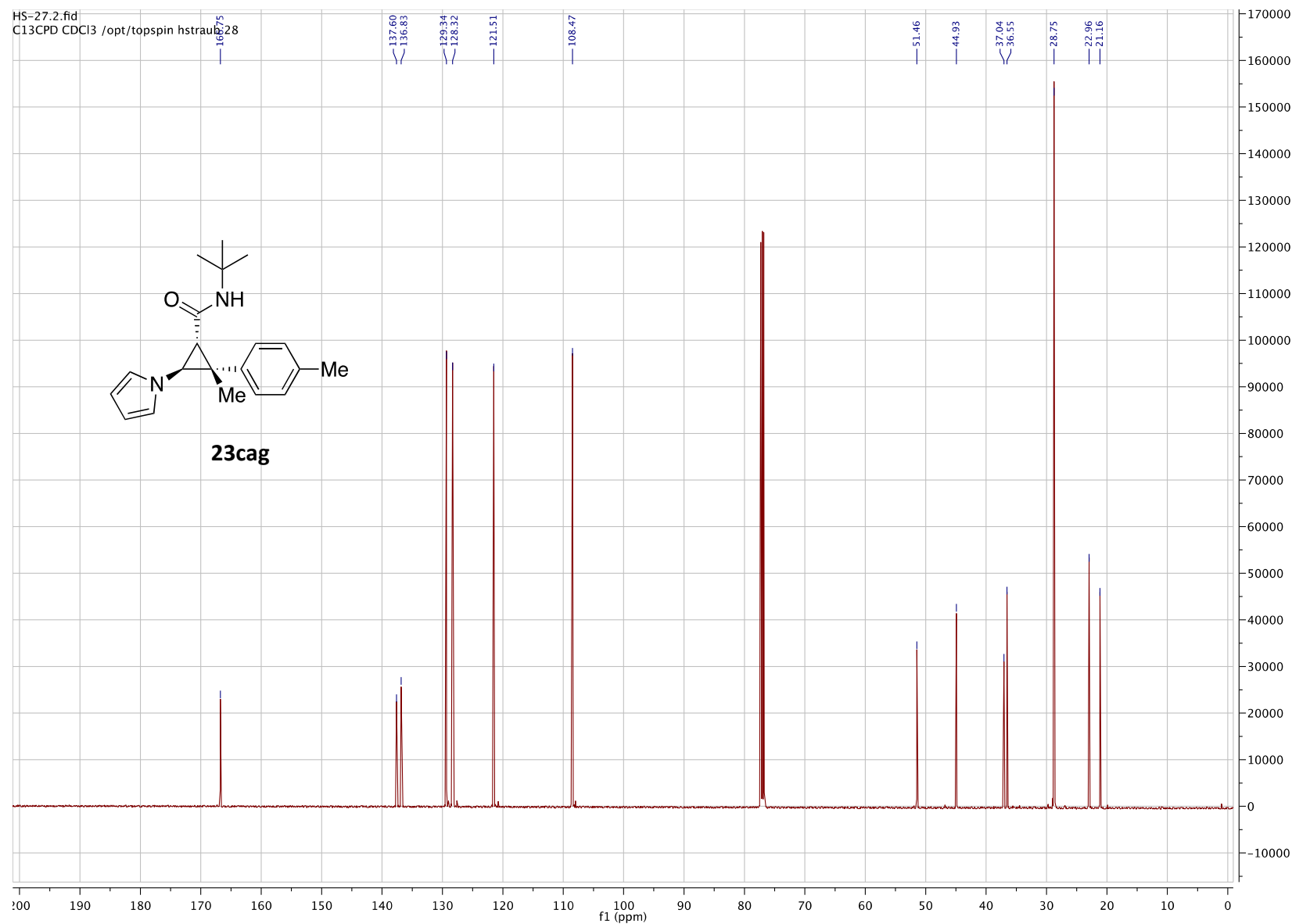


Figure S28. ^{13}C NMR spectrum of compound **23cag**

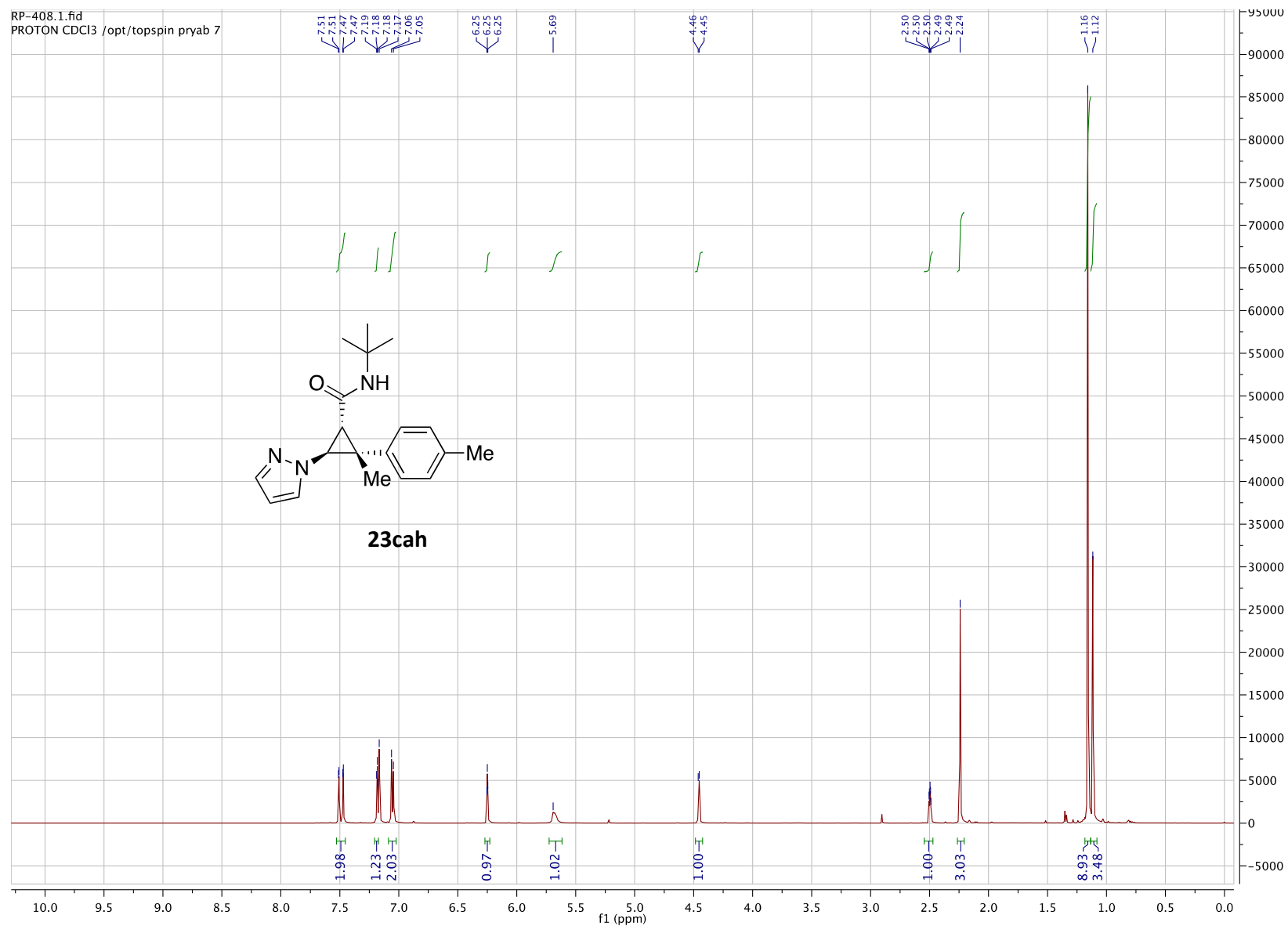


Figure S29. ^1H NMR spectrum of compound **23cah**

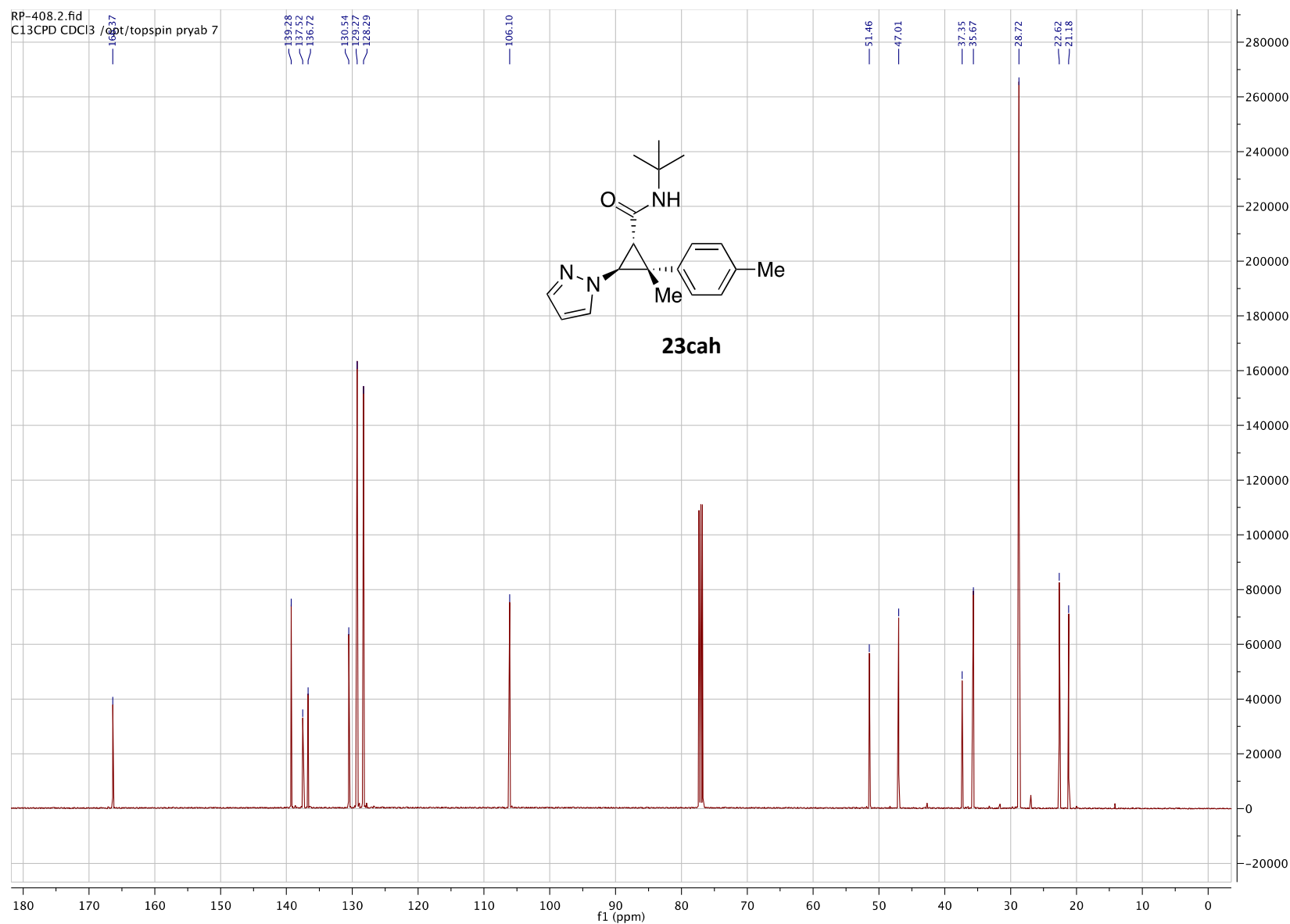


Figure S30. ^{13}C NMR spectrum of compound **23cah**

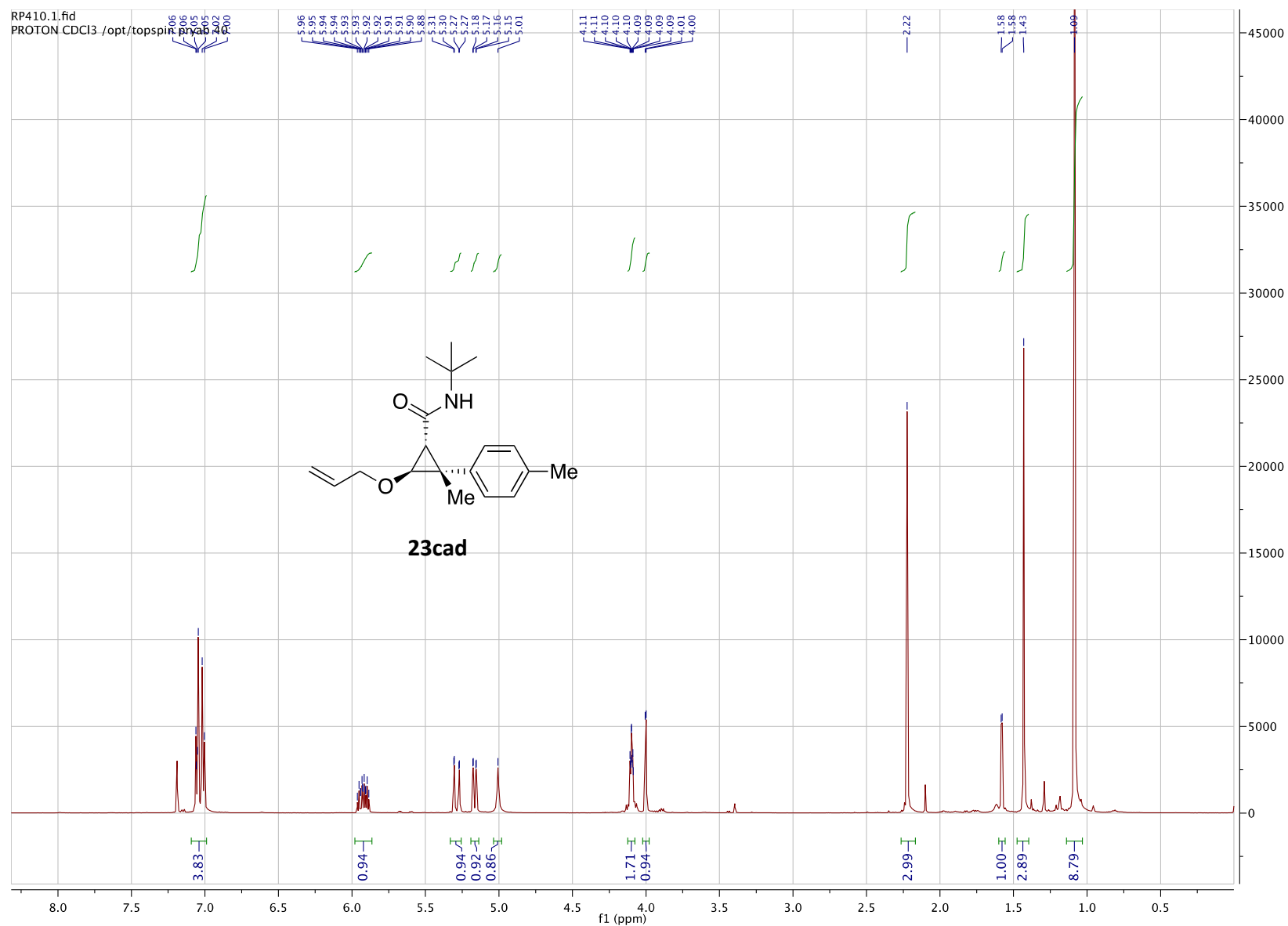


Figure S31. ^1H NMR spectrum of compound **23cad**

