

Supporting Information

Divergent total synthesis of azalamellarins D and N

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¹H and ¹³C NMR spectra

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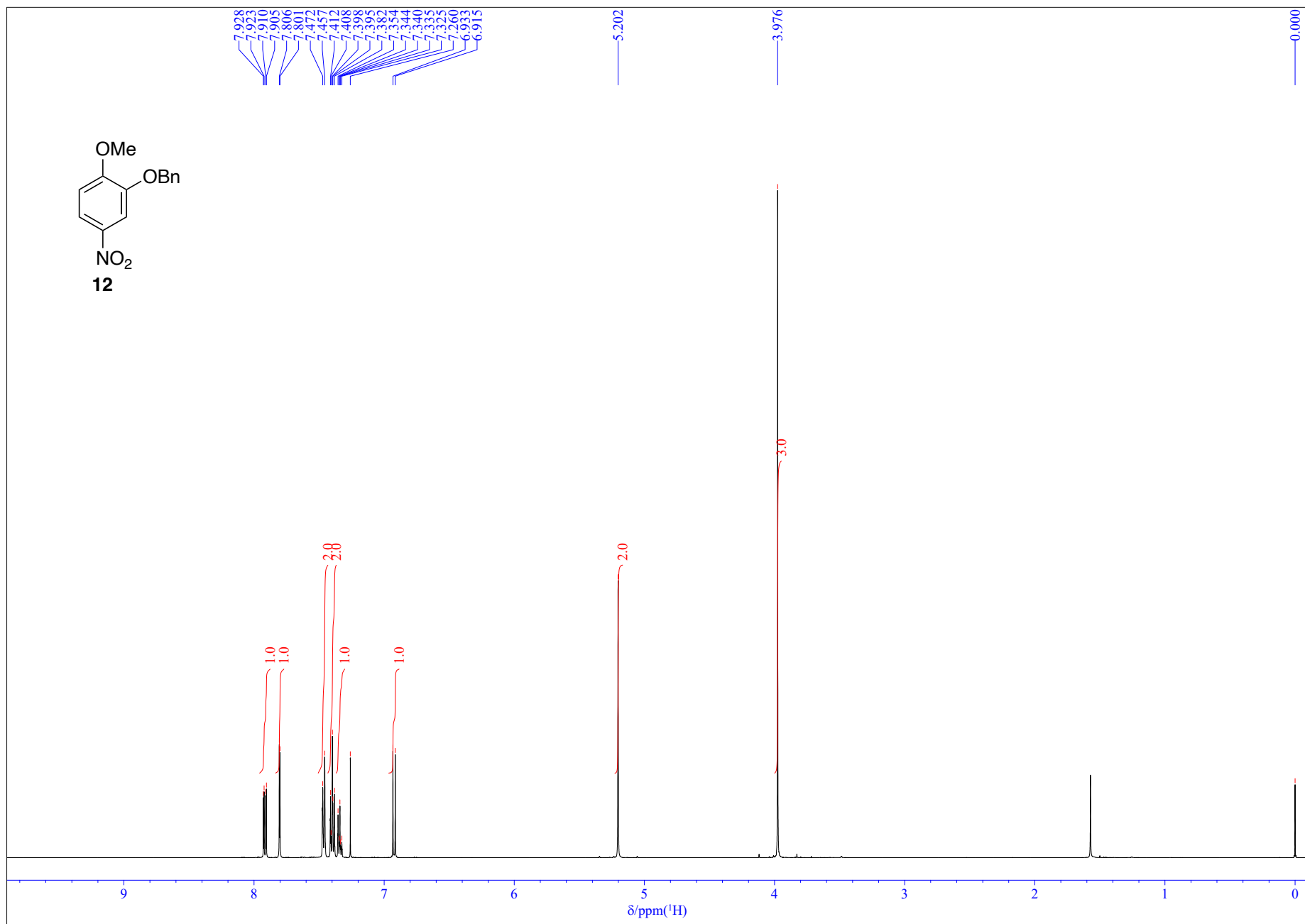


Figure S1. ^1H NMR spectrum of compound **12** (500 MHz, CDCl_3).

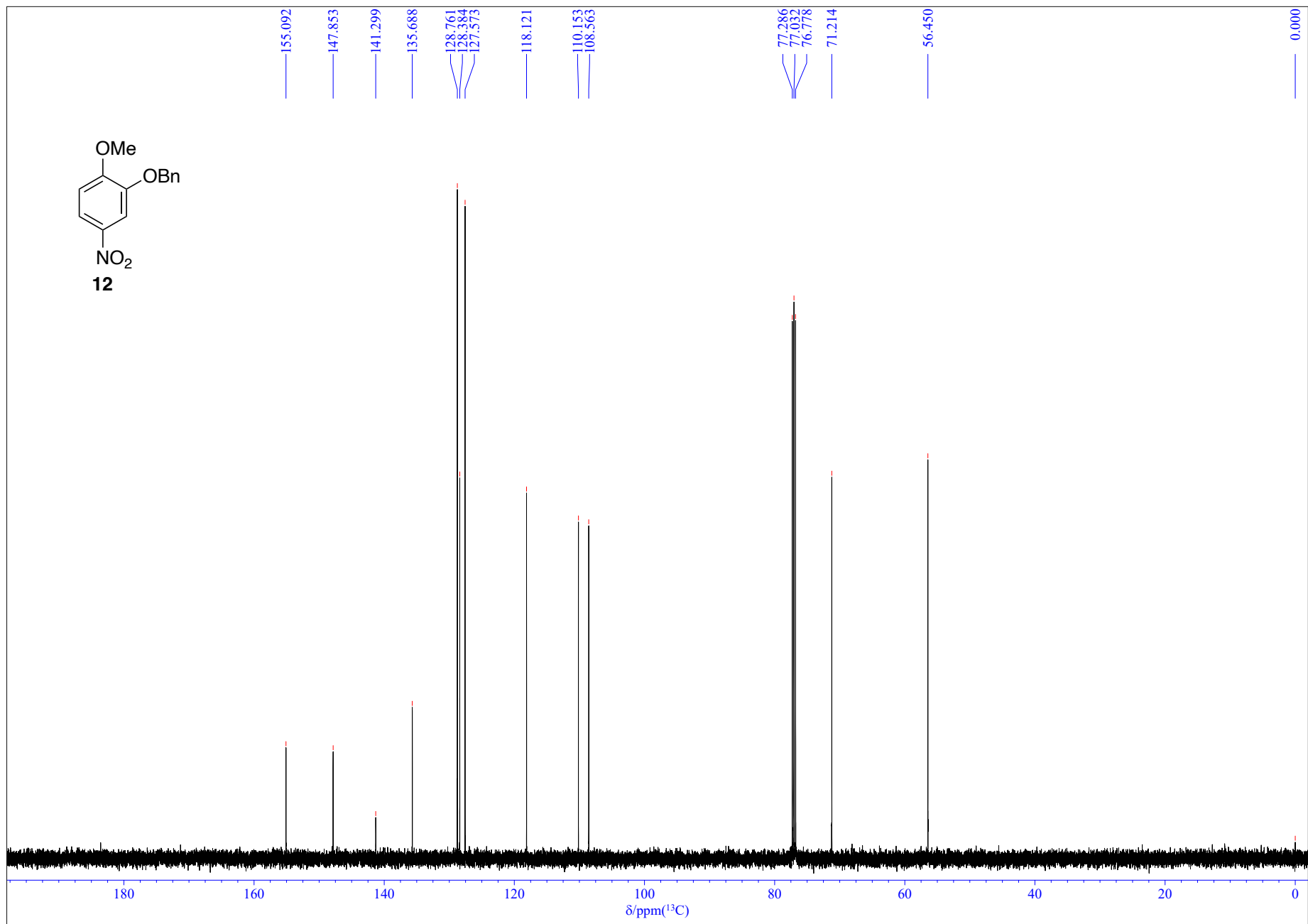


Figure S2. ^{13}C NMR spectrum of compound **12** (126 MHz, CDCl_3).

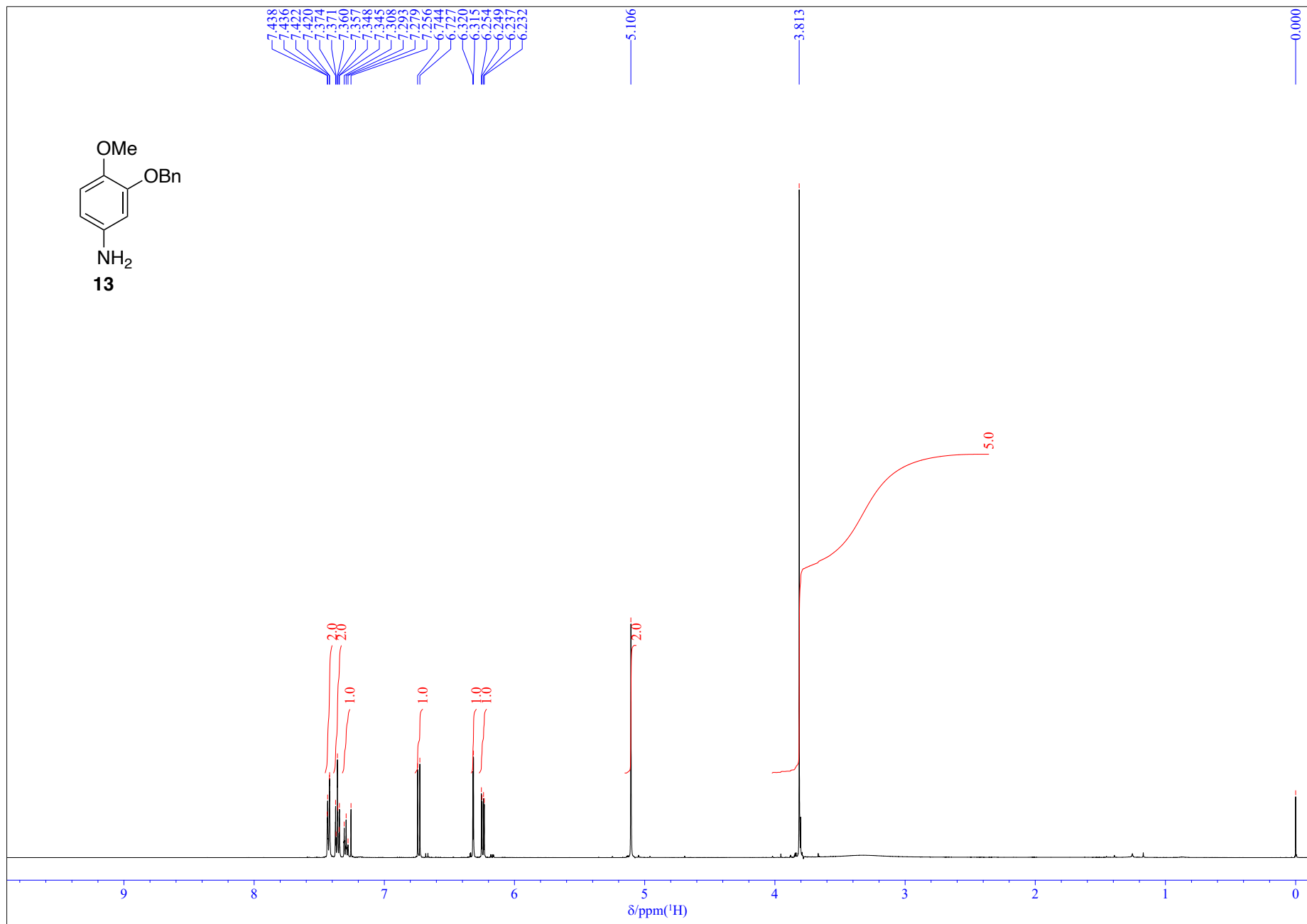


Figure S3. ¹H NMR spectrum of compound **13** (500 MHz, CDCl₃).

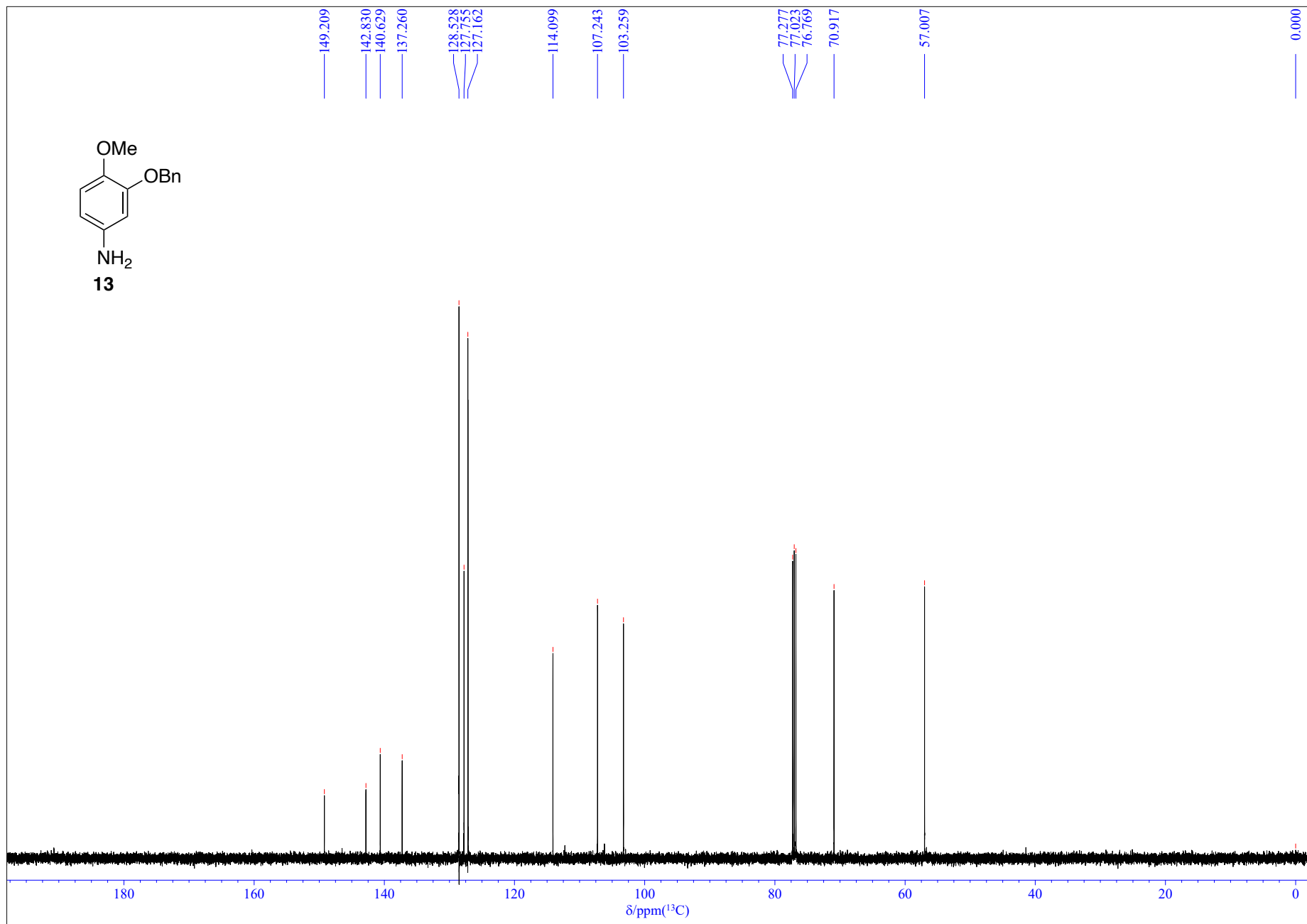


Figure S4. ^{13}C NMR spectrum of compound **13** (126 MHz, CDCl_3).

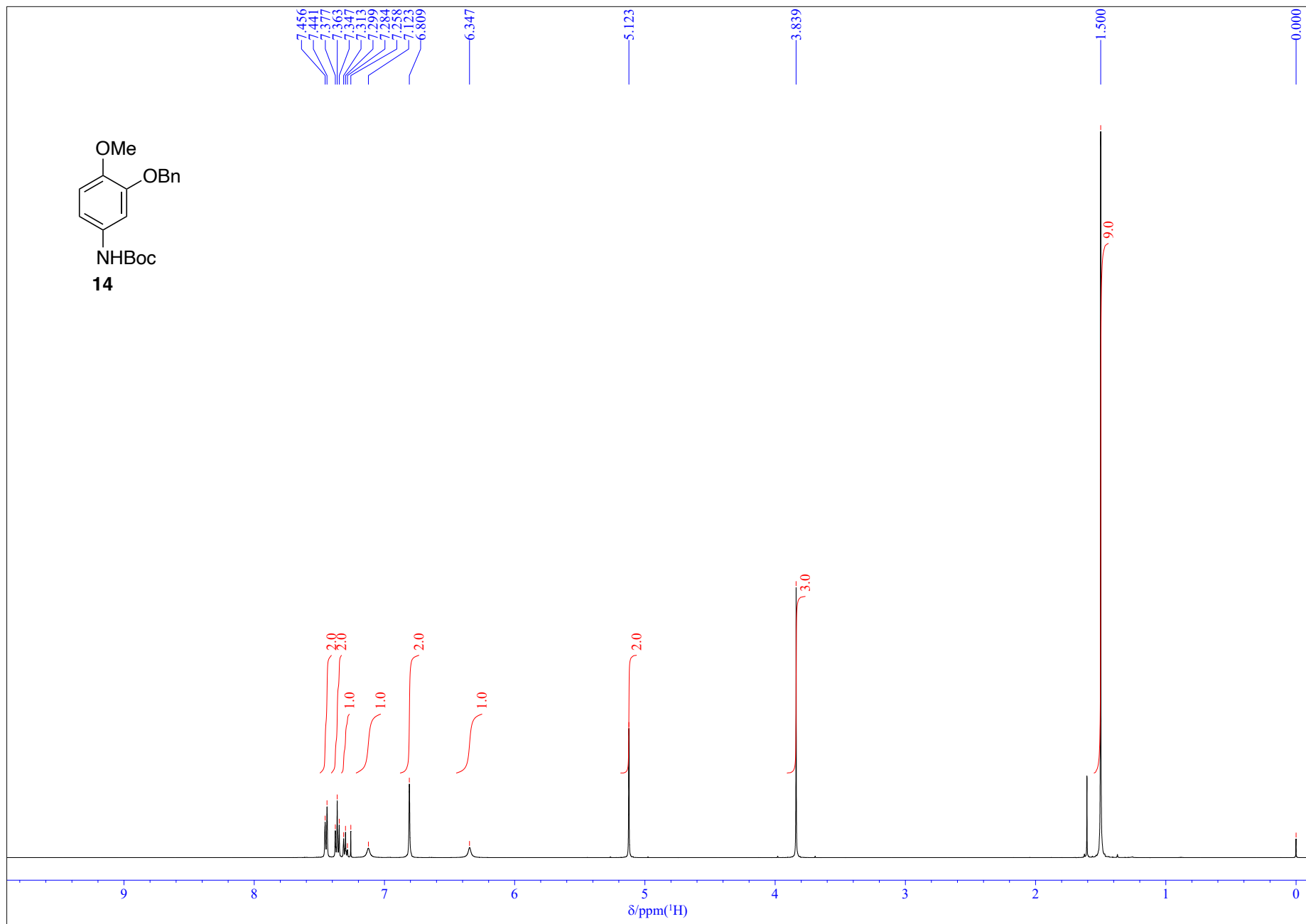


Figure S5. ¹H NMR spectrum of compound **14** (500 MHz, CDCl₃).

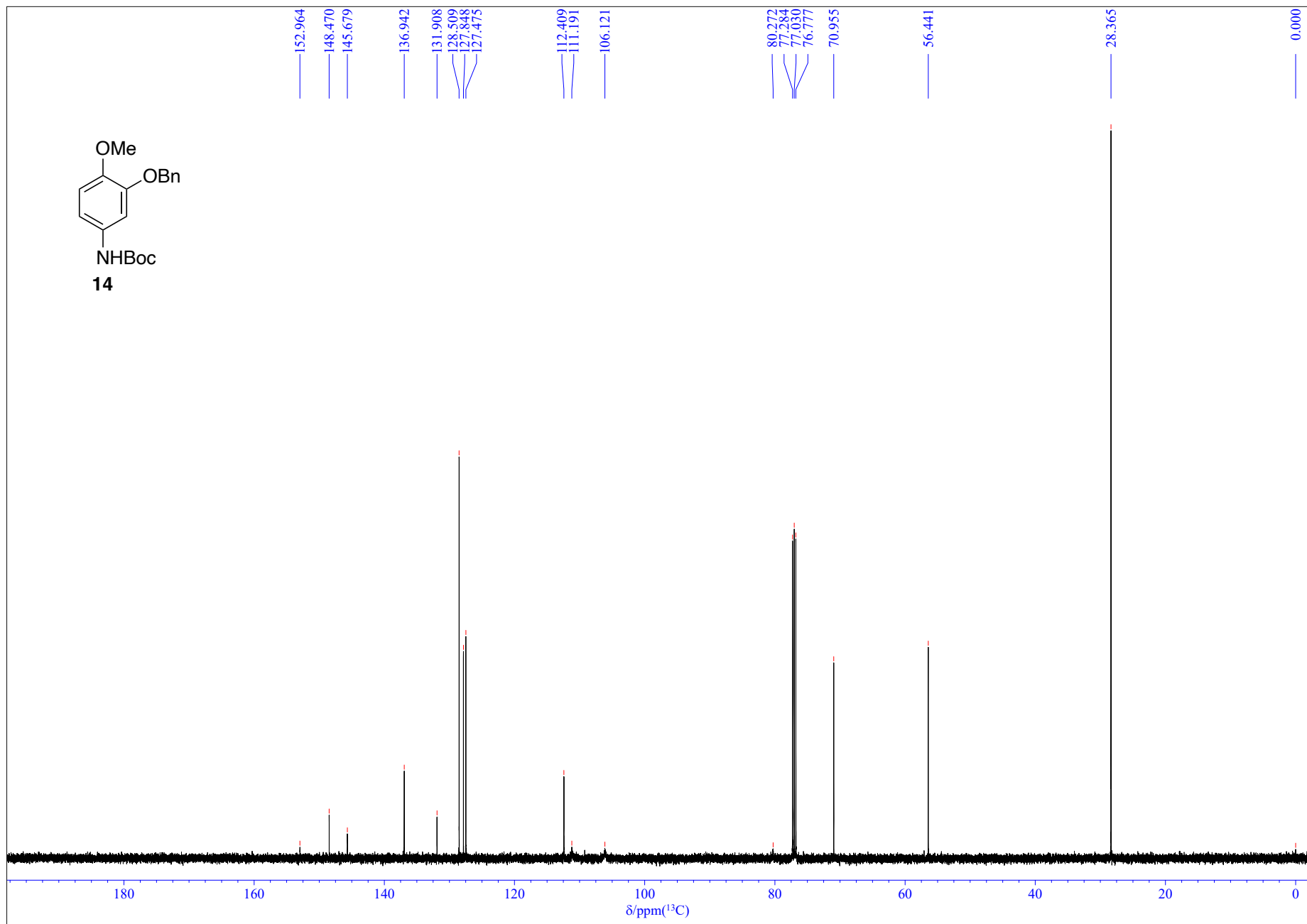


Figure S6. ^{13}C NMR spectrum of compound **14** (126 MHz, CDCl_3).

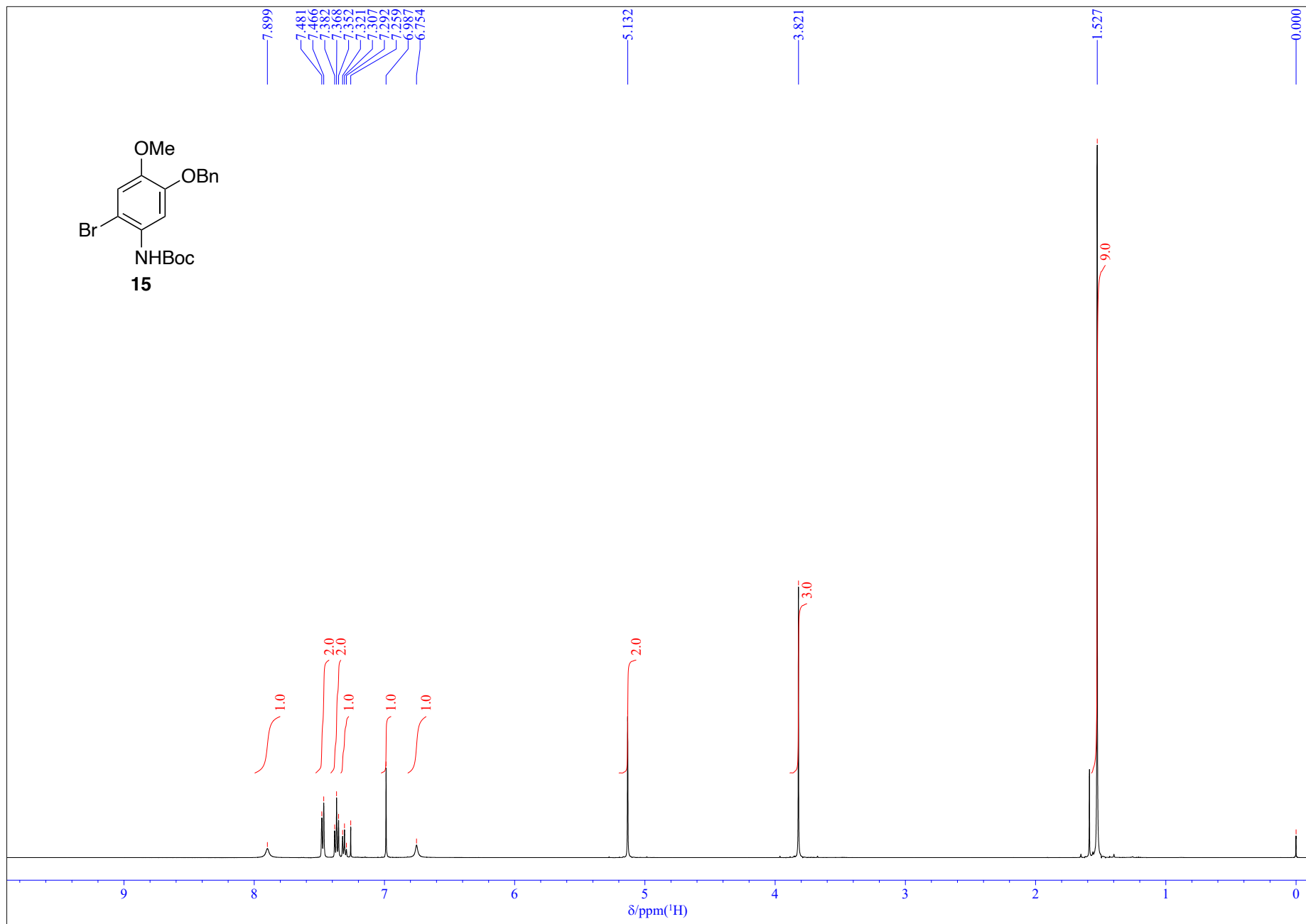


Figure S7. ^1H NMR spectrum of compound **15** (500 MHz, CDCl_3).

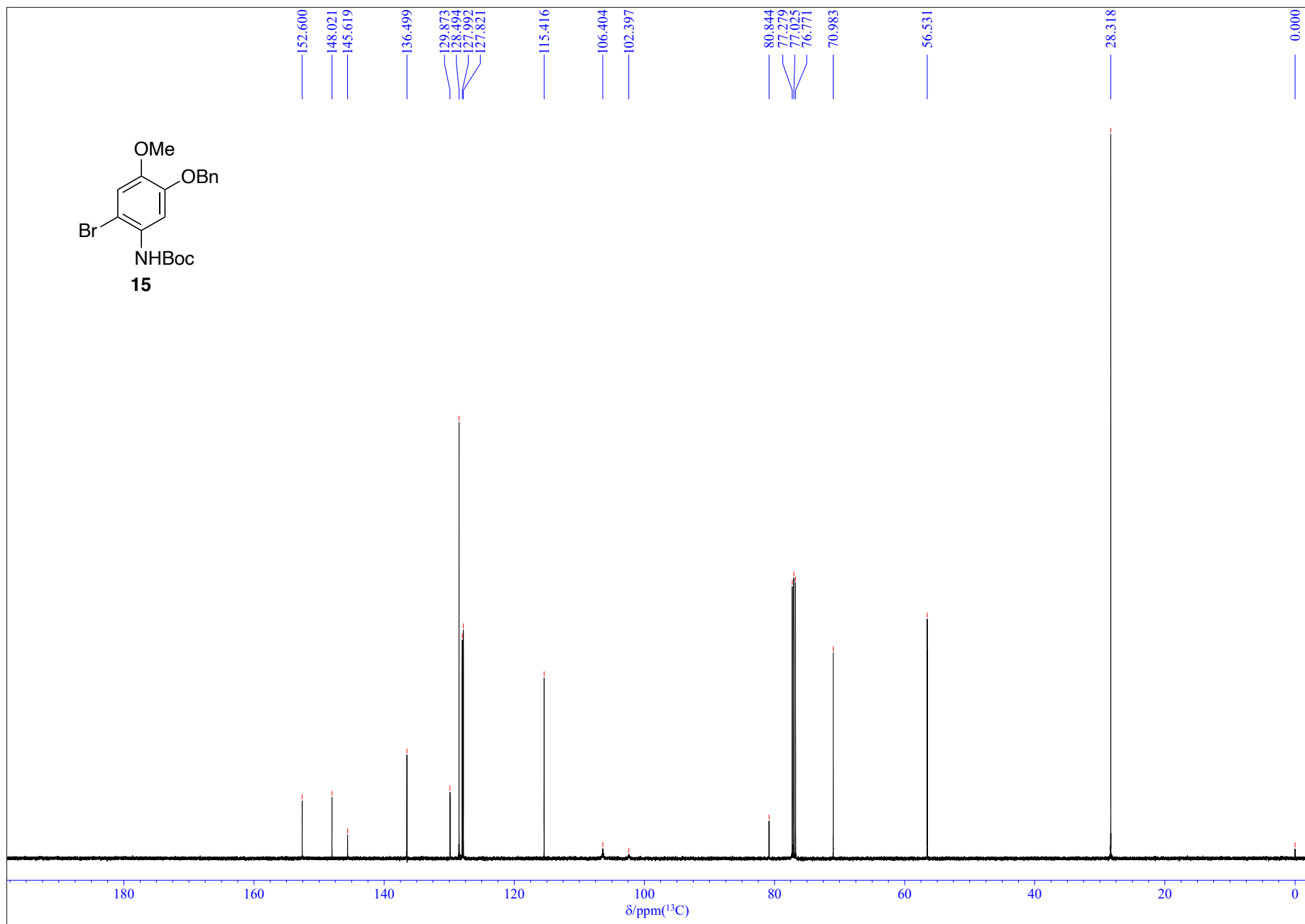


Figure S8. ^{13}C NMR spectrum of compound **15** (126 MHz, CDCl_3).

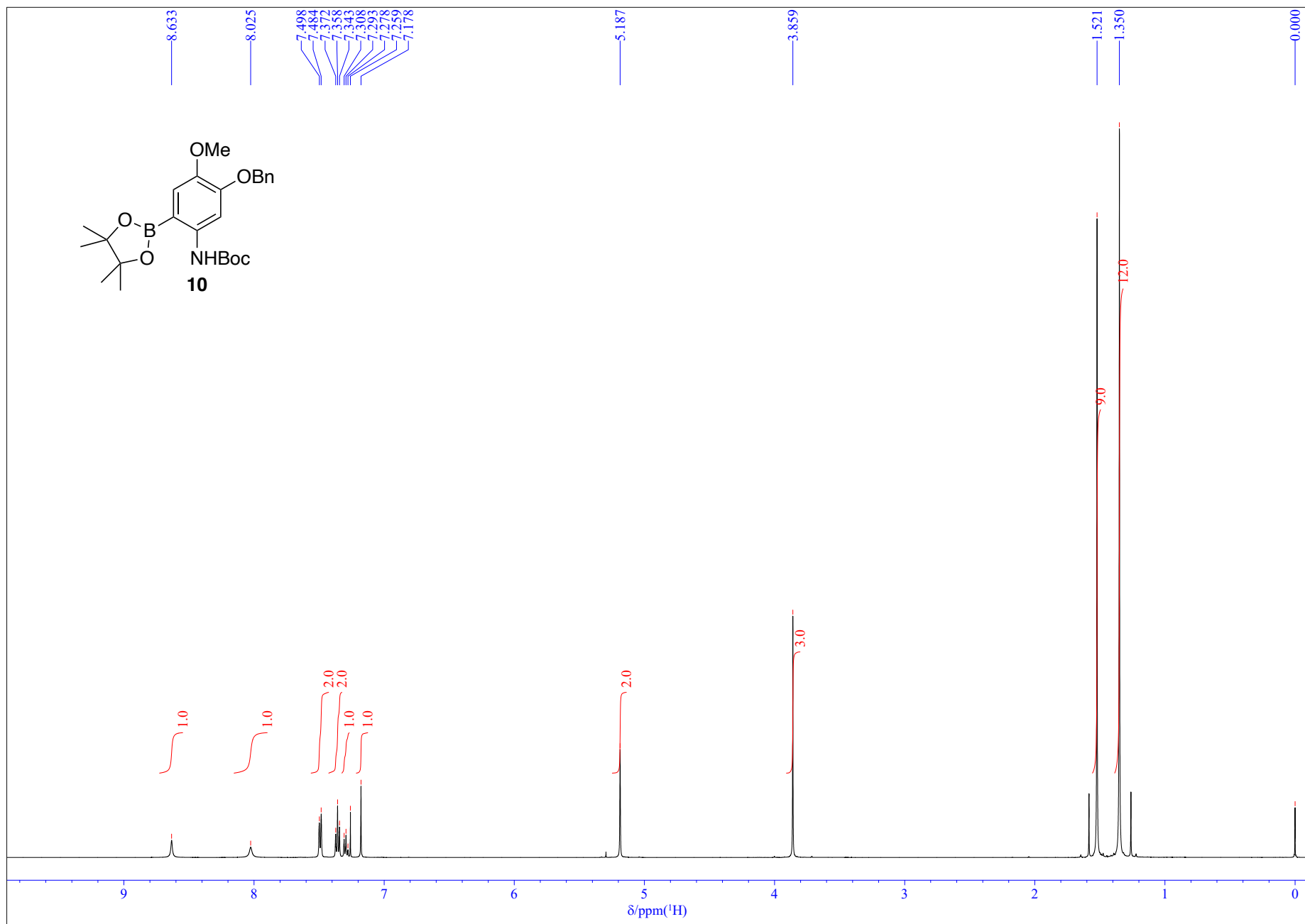


Figure S9. ¹H NMR spectrum of compound **10** (500 MHz, CDCl₃).

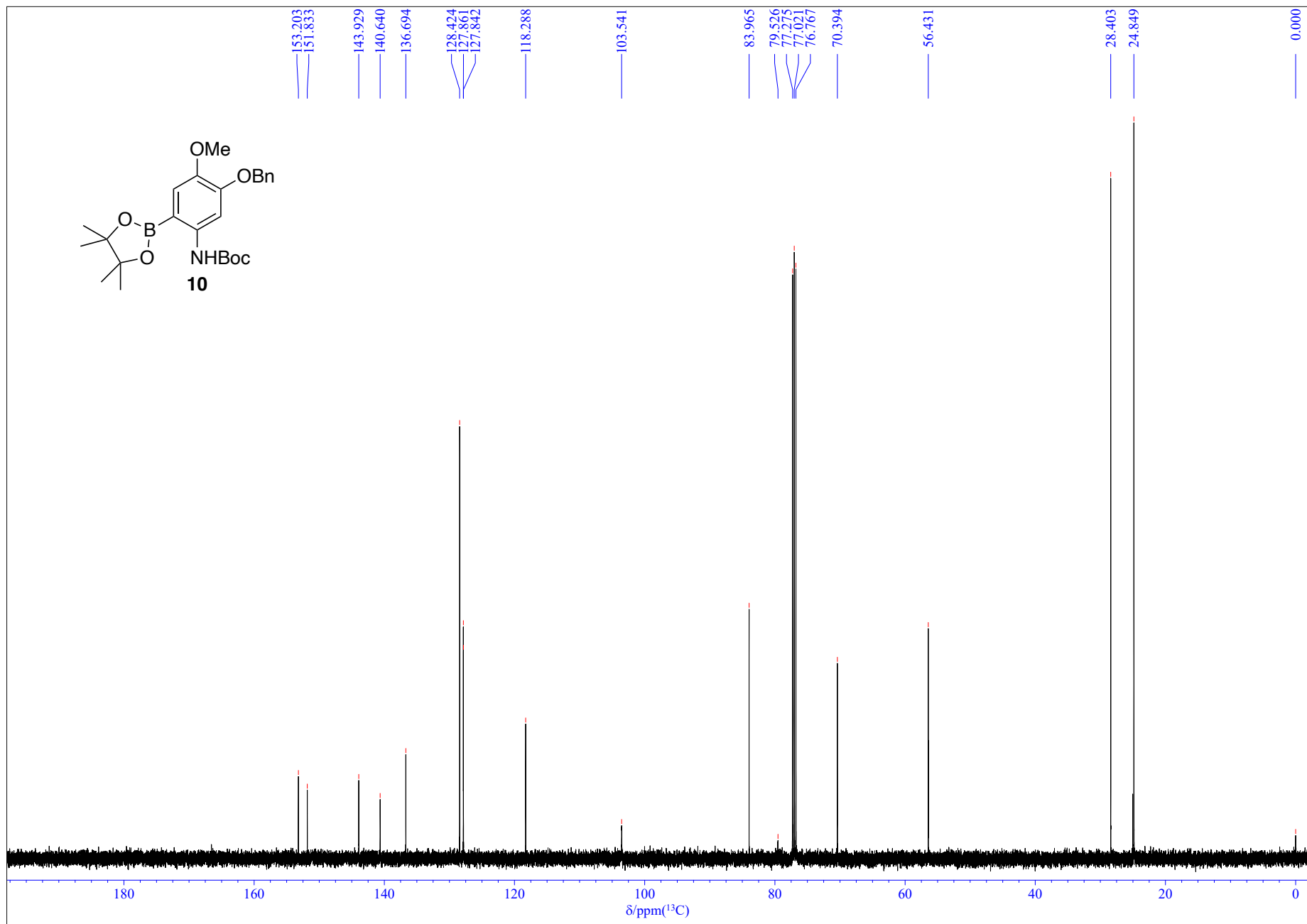


Figure S10. ¹³C NMR spectrum of compound **10** (126 MHz, CDCl₃).

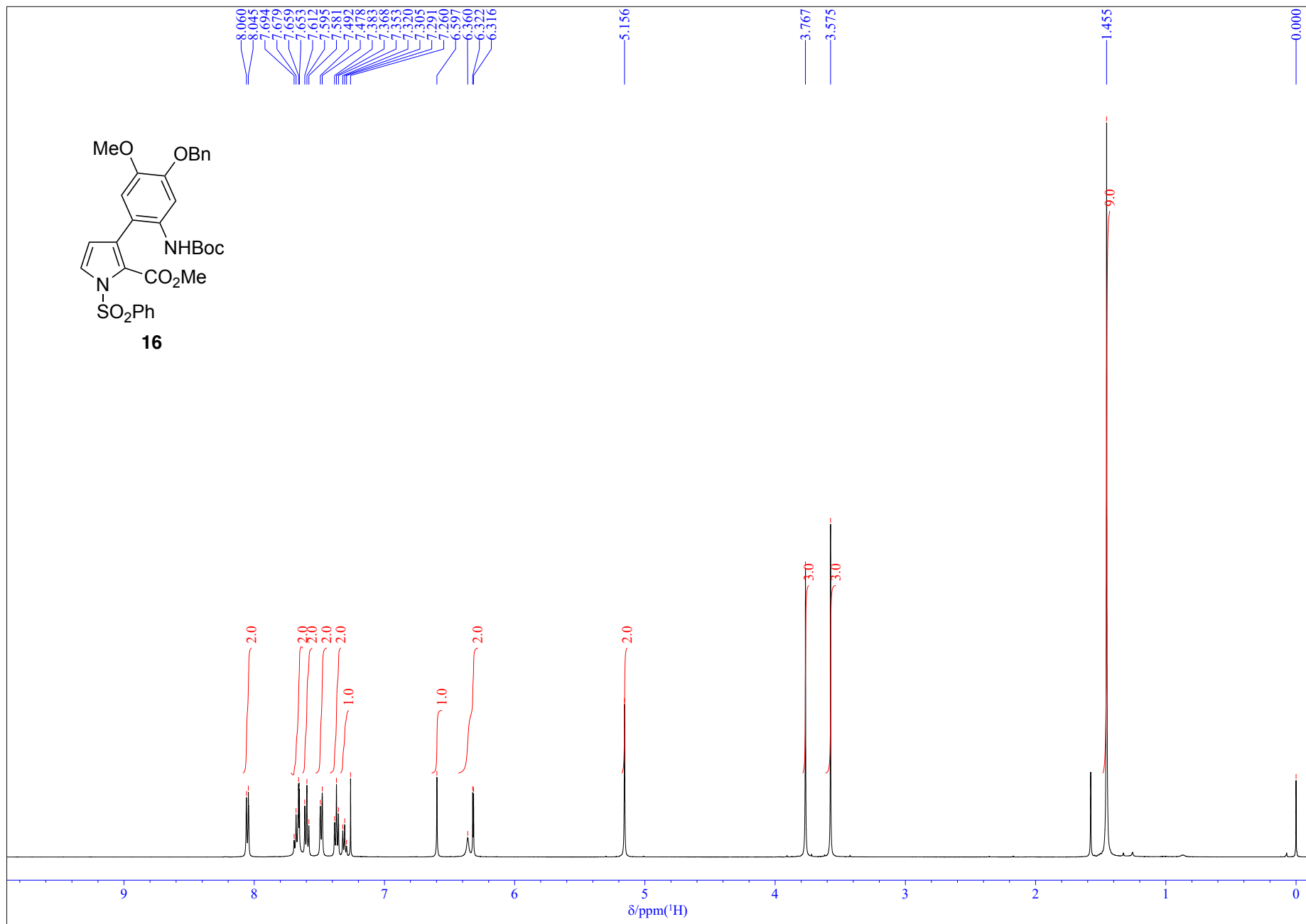


Figure S11. ^1H NMR spectrum of compound **16** (500 MHz, CDCl_3).

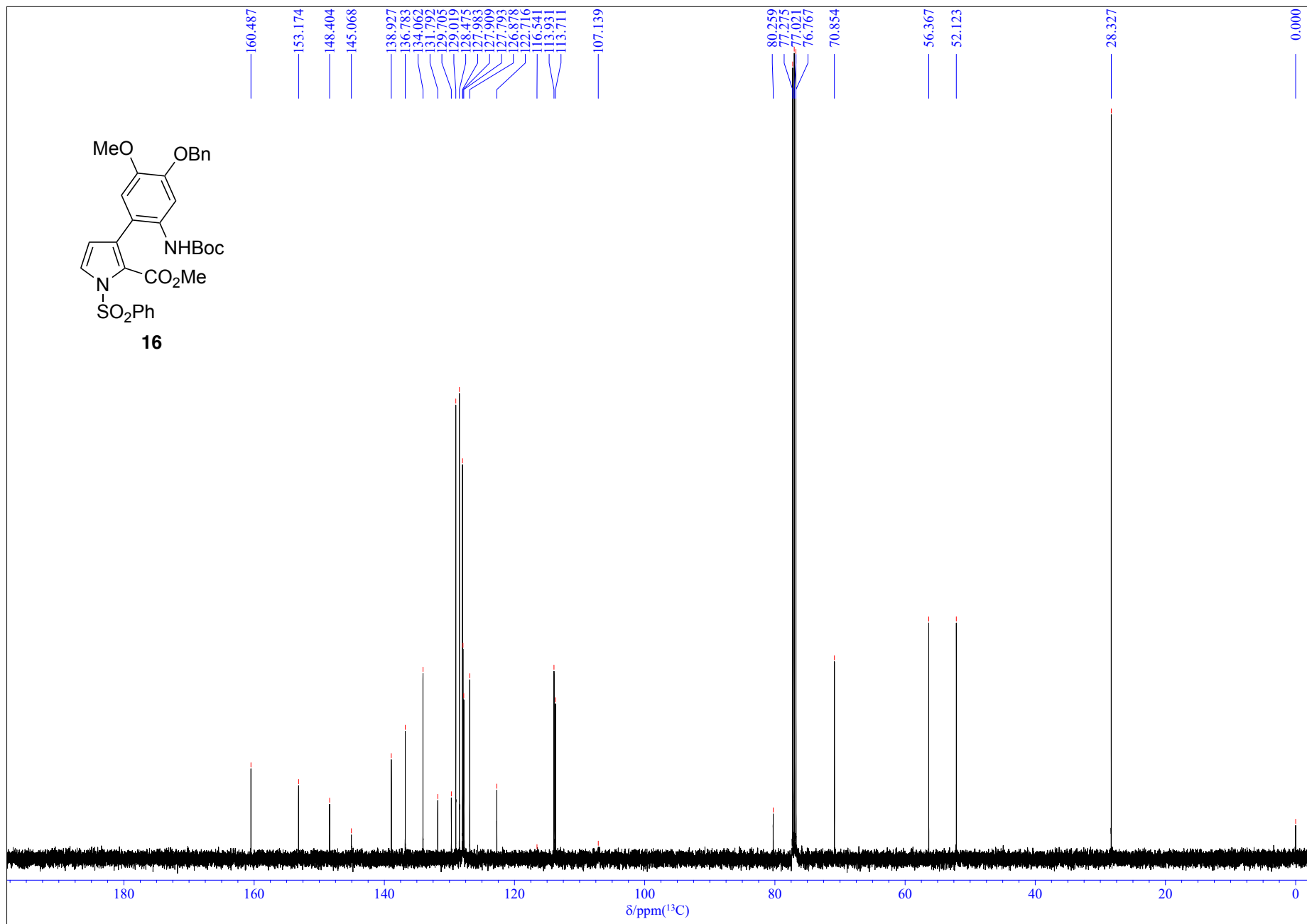


Figure S12. ¹³C NMR spectrum of compound **16** (126 MHz, CDCl₃).

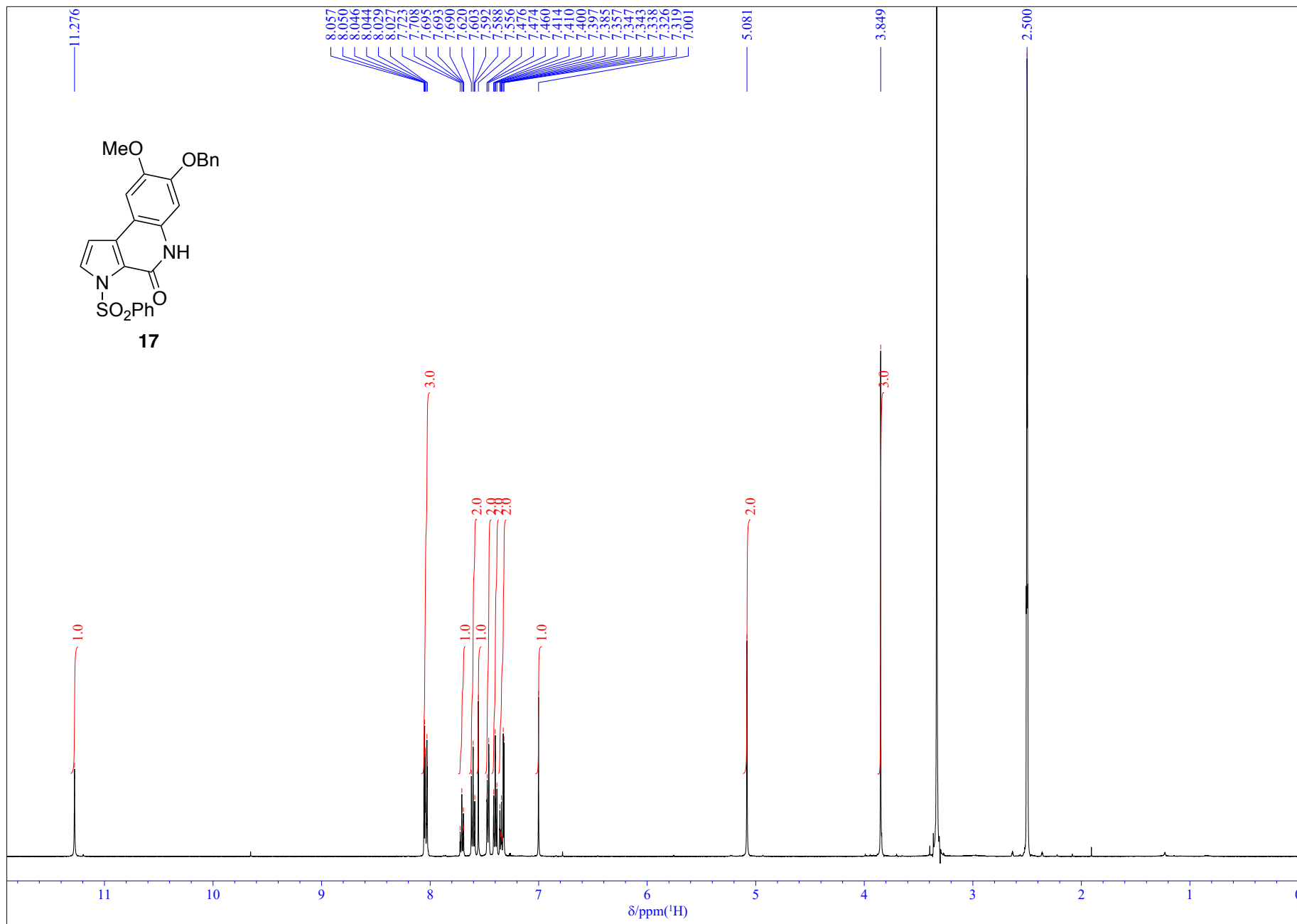


Figure S13. ^1H NMR spectrum of compound **17** (500 MHz, $\text{DMSO}-d_6$).

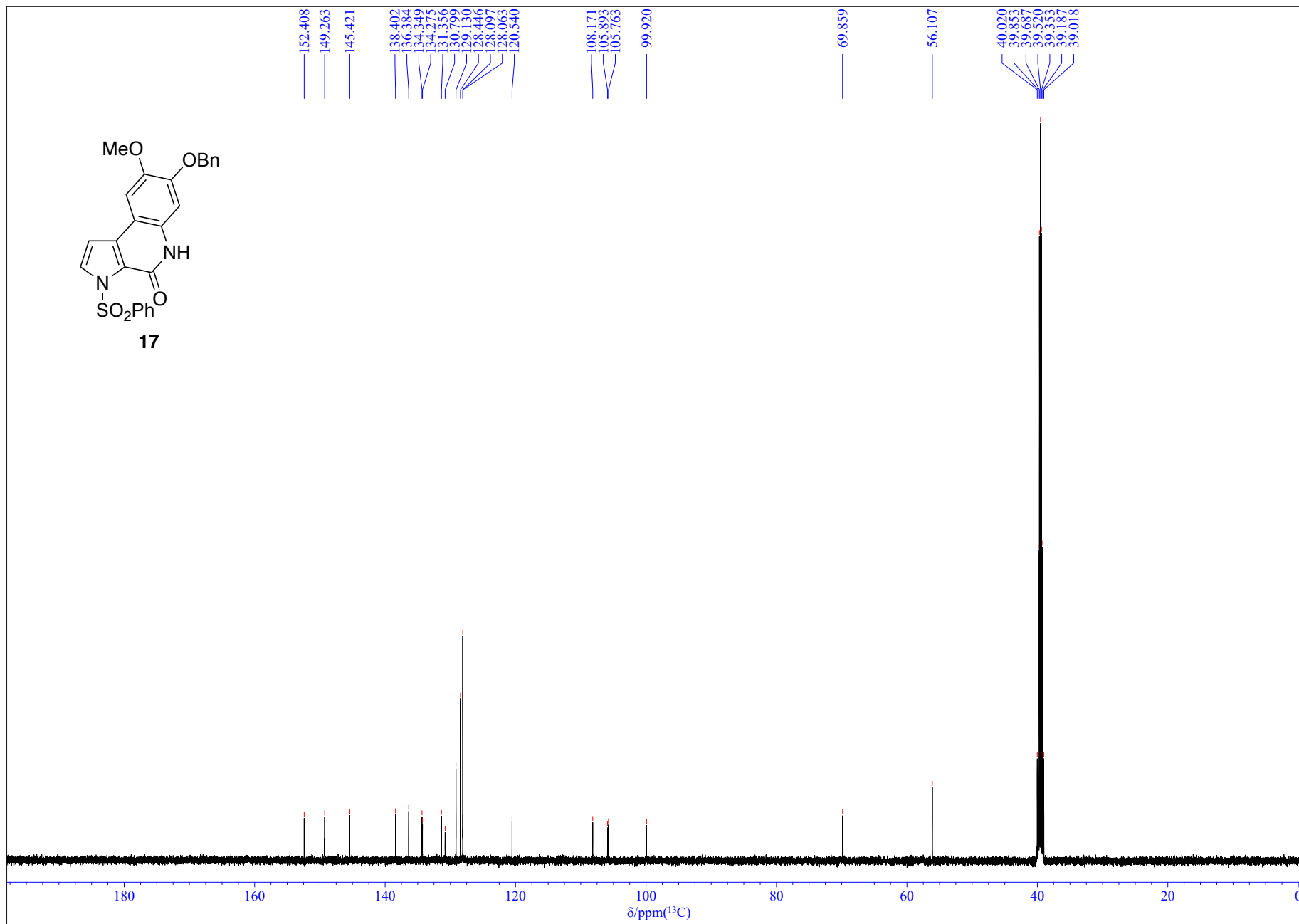


Figure S14. ^{13}C NMR spectrum of compound **17** (126 MHz, DMSO- d_6).

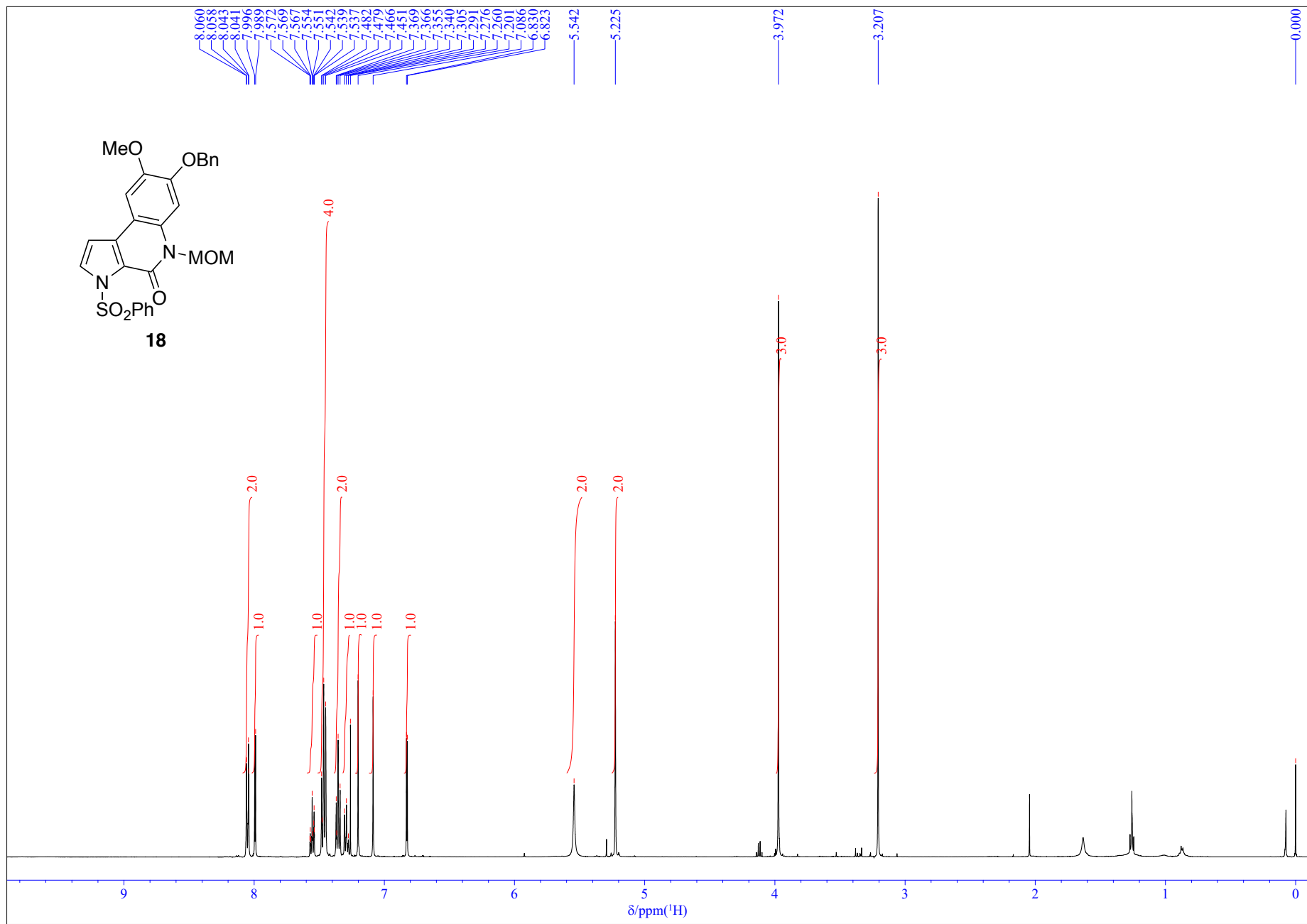


Figure S15. ^1H NMR spectrum of compound **18** (500 MHz, CDCl_3).

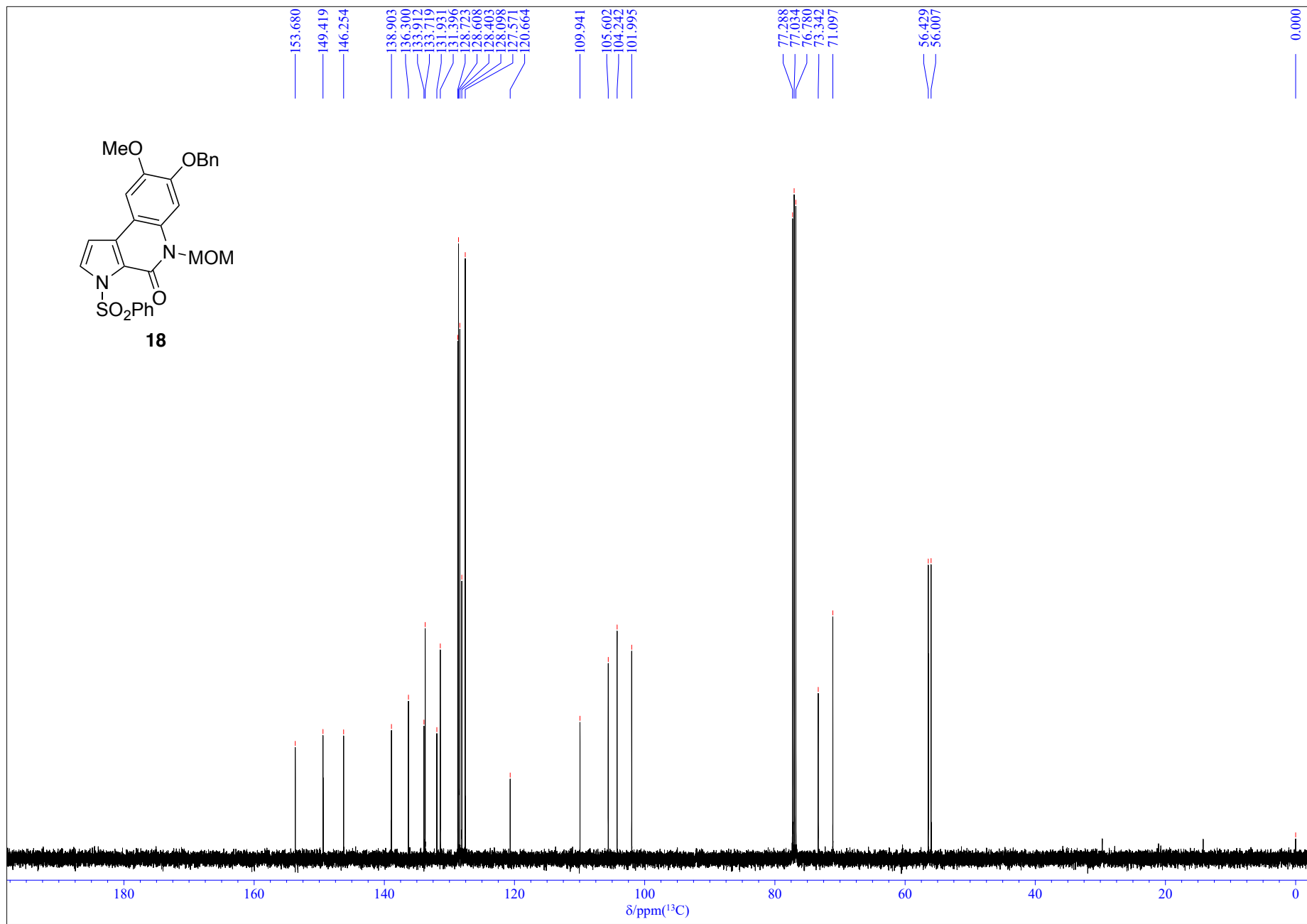


Figure S16. ¹³C NMR spectrum of compound **18** (126 MHz, CDCl₃).

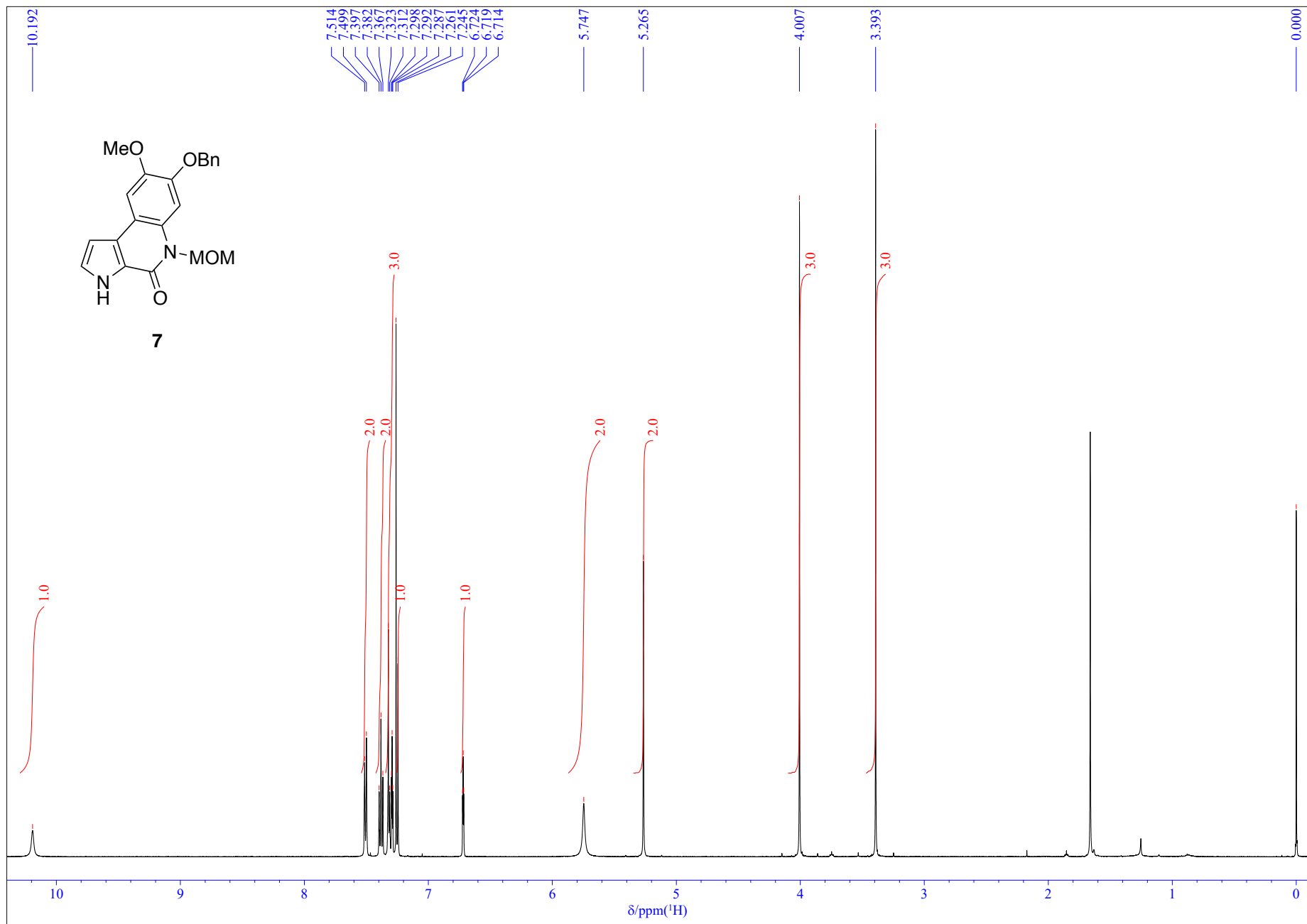


Figure S17. ¹H NMR spectrum of compound 7 (500 MHz, CDCl₃).

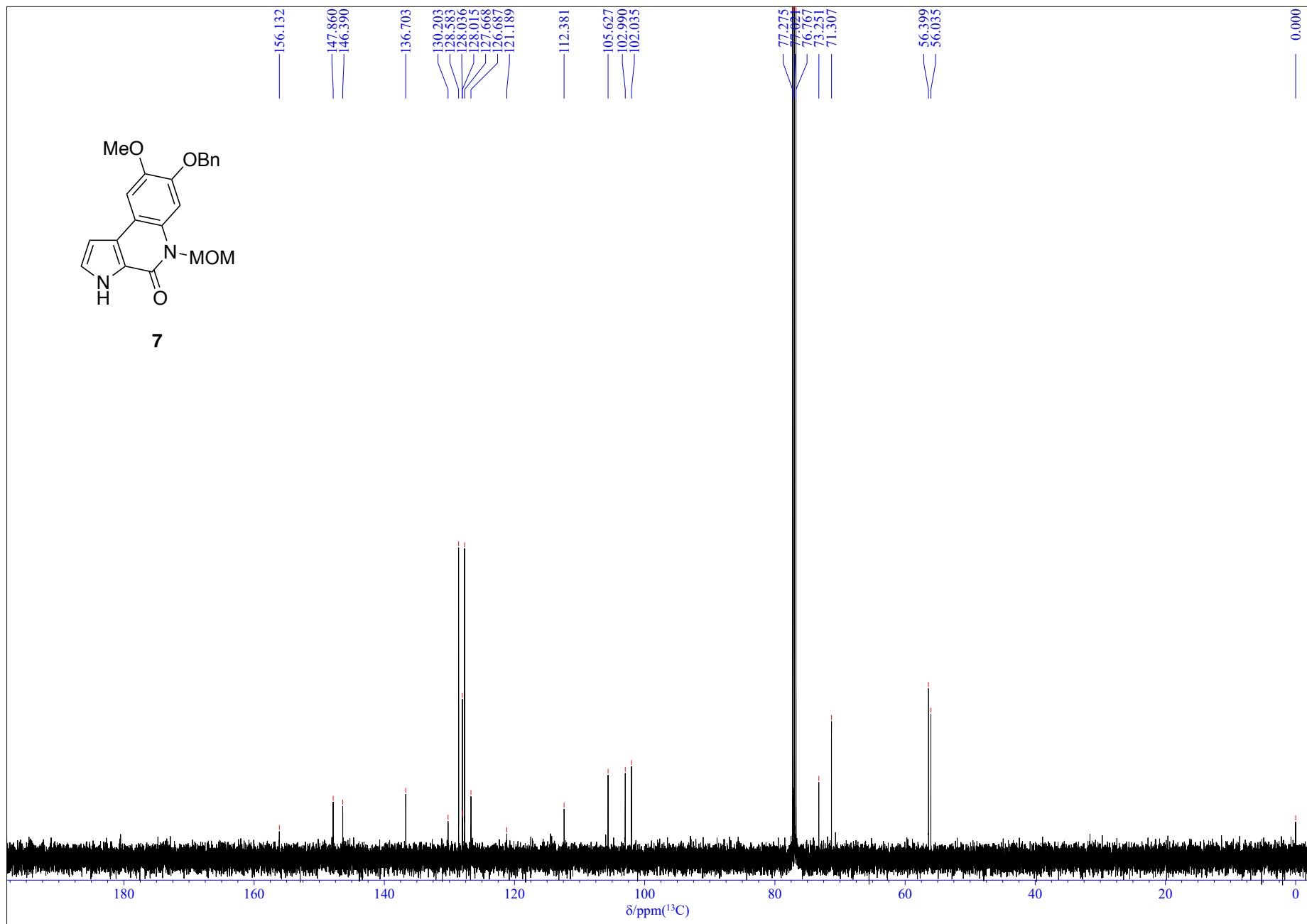


Figure S18. ^{13}C NMR spectrum of compound 7 (126 MHz, CDCl_3).

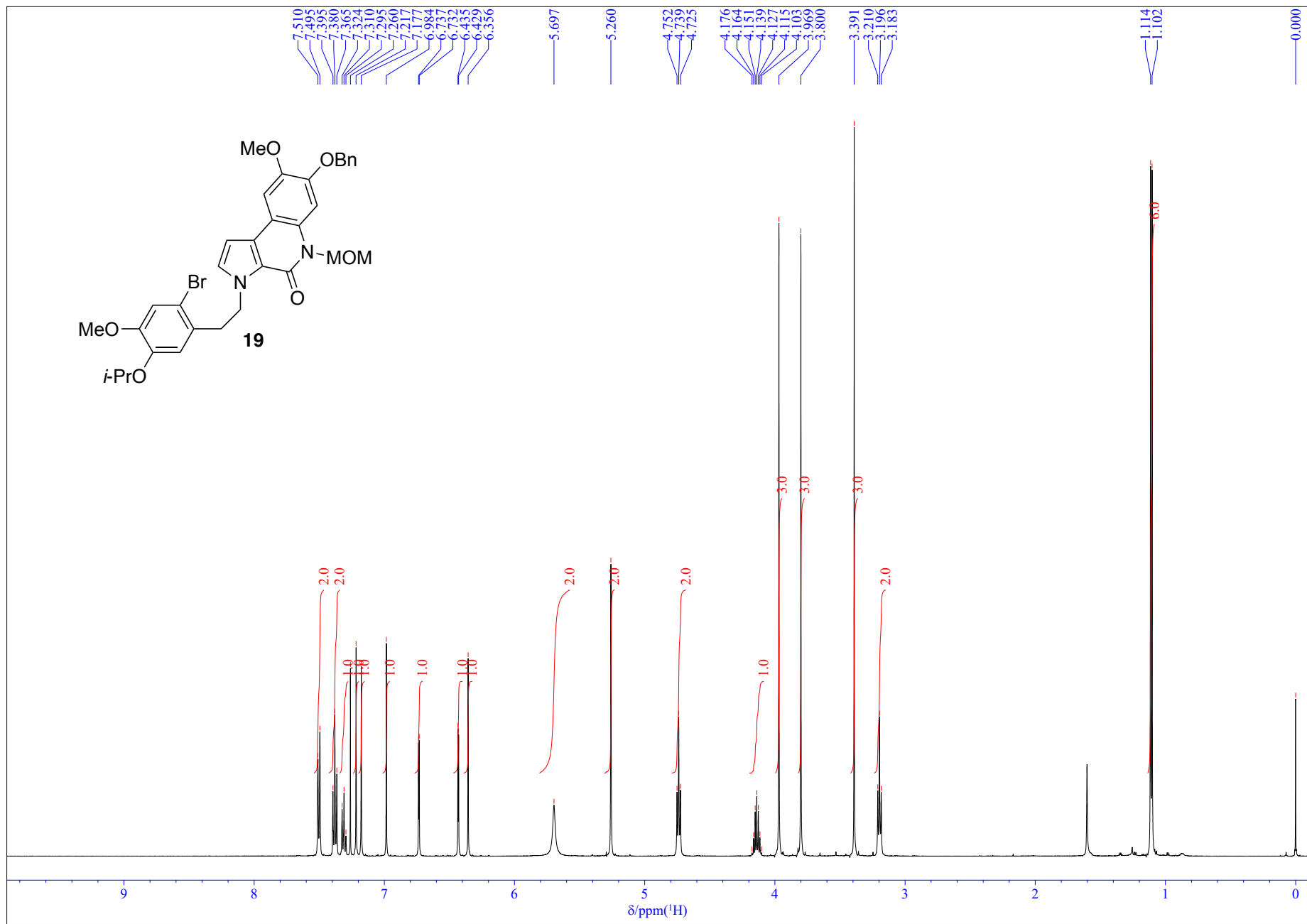


Figure S19. ¹H NMR spectrum of compound **19** (500 MHz, CDCl₃).

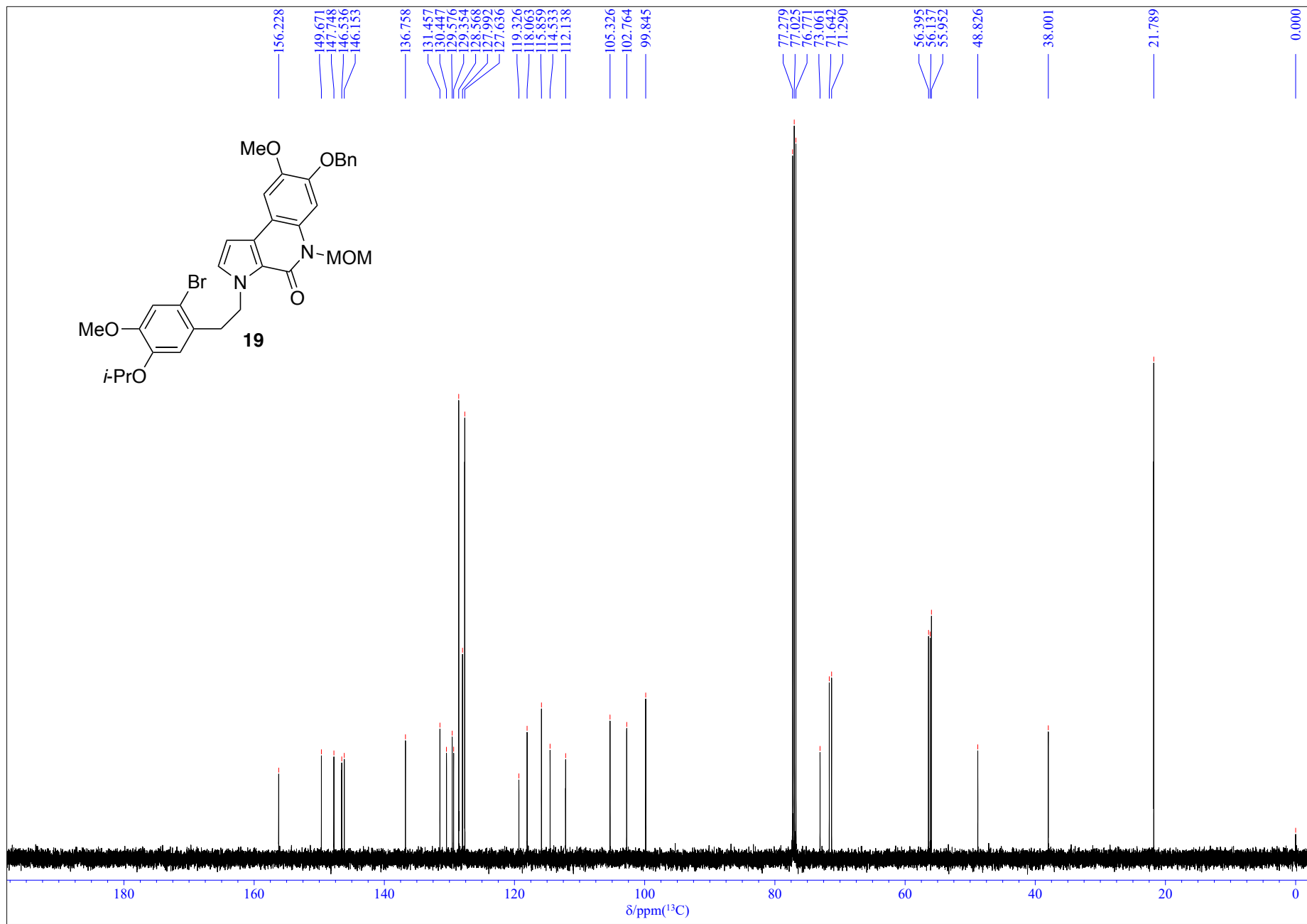


Figure S20. ^{13}C NMR spectrum of compound **19** (126 MHz, CDCl_3).

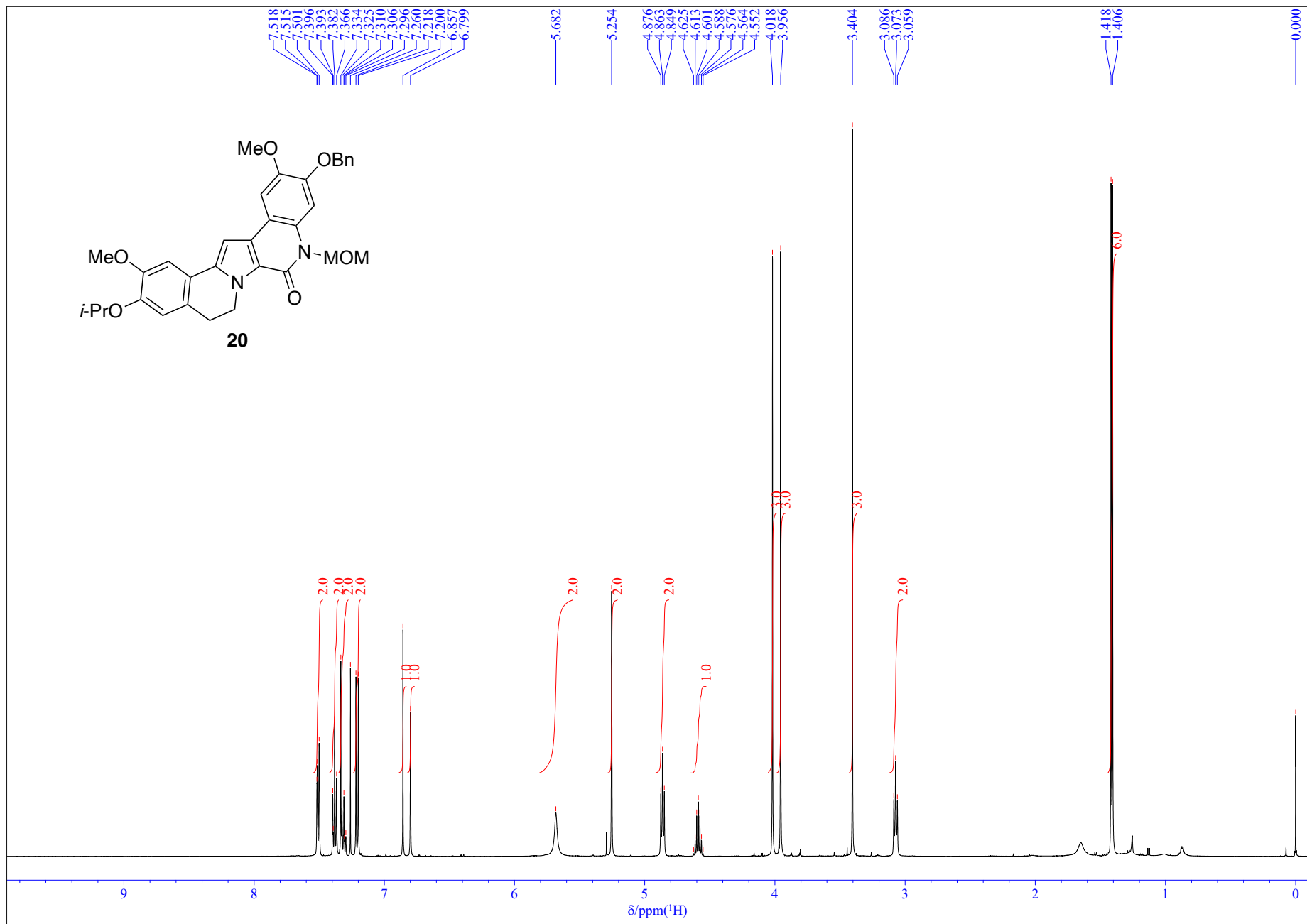


Figure S21. ¹H NMR spectrum of compound **20** (500 MHz, CDCl₃).

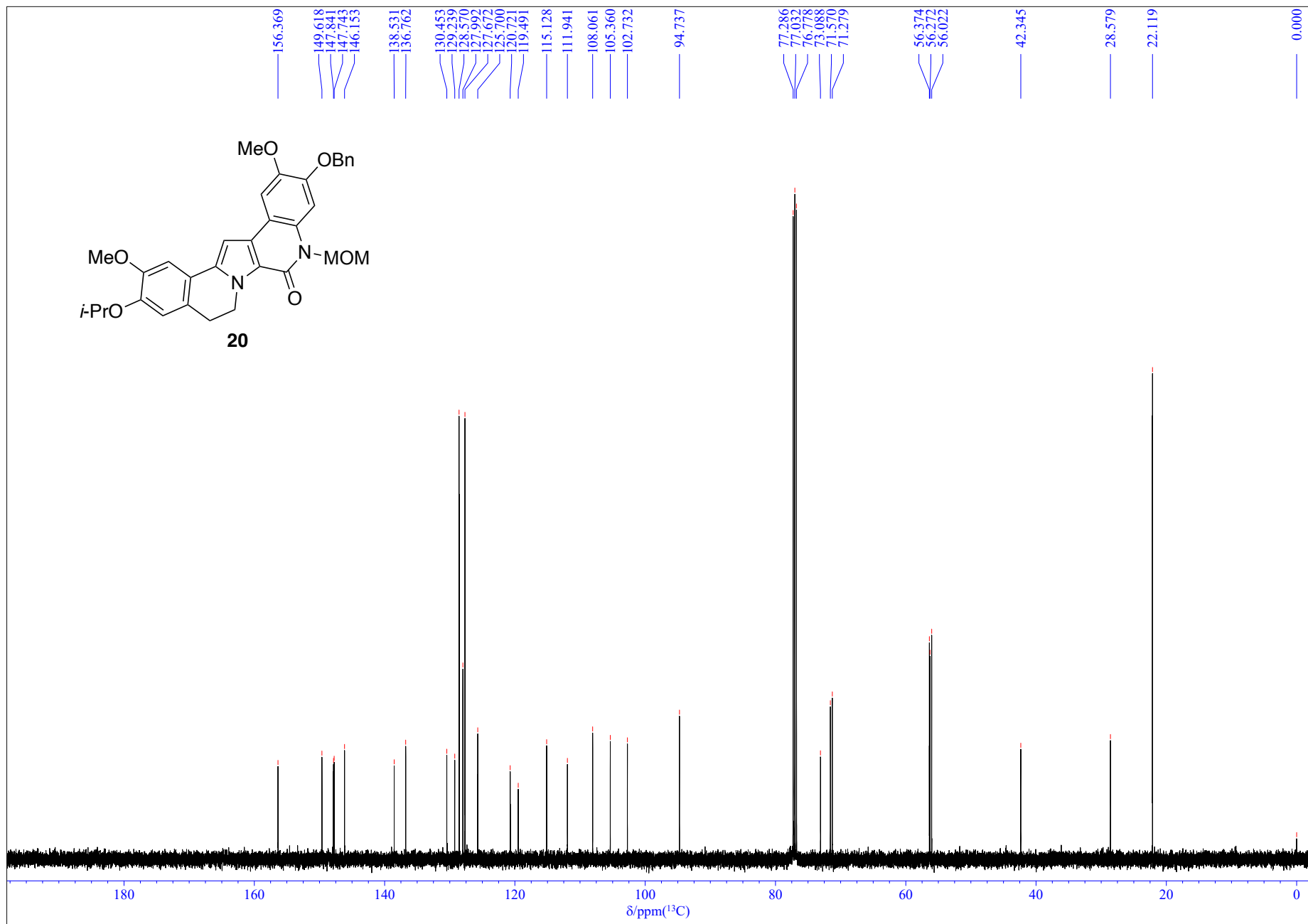


Figure S22. ^{13}C NMR spectrum of compound **20** (126 MHz, CDCl_3).

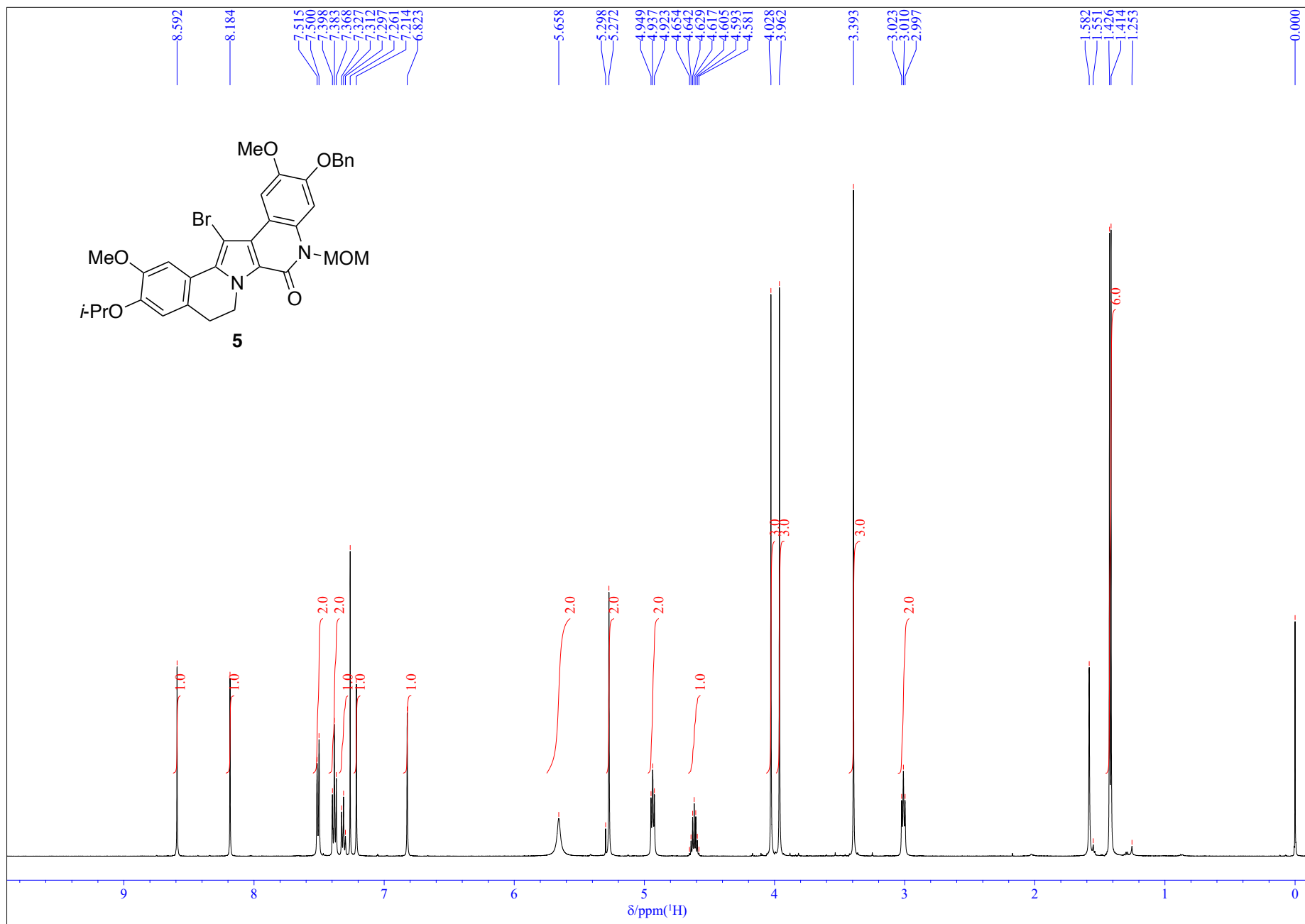


Figure S23. ¹H NMR spectrum of compound **5** (500 MHz, CDCl₃).

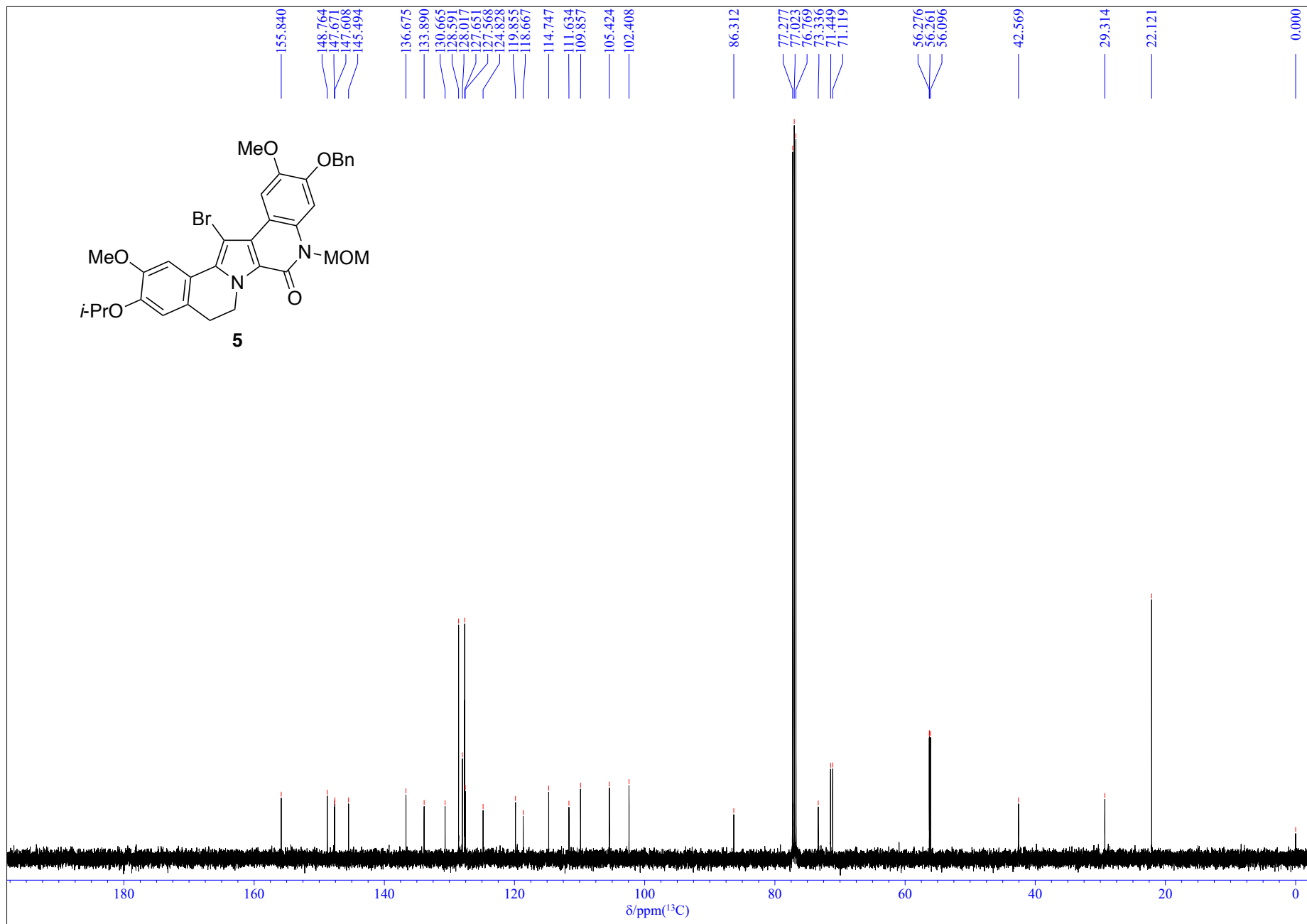


Figure S24. ^{13}C NMR spectrum of compound **5** (126 MHz, CDCl_3).

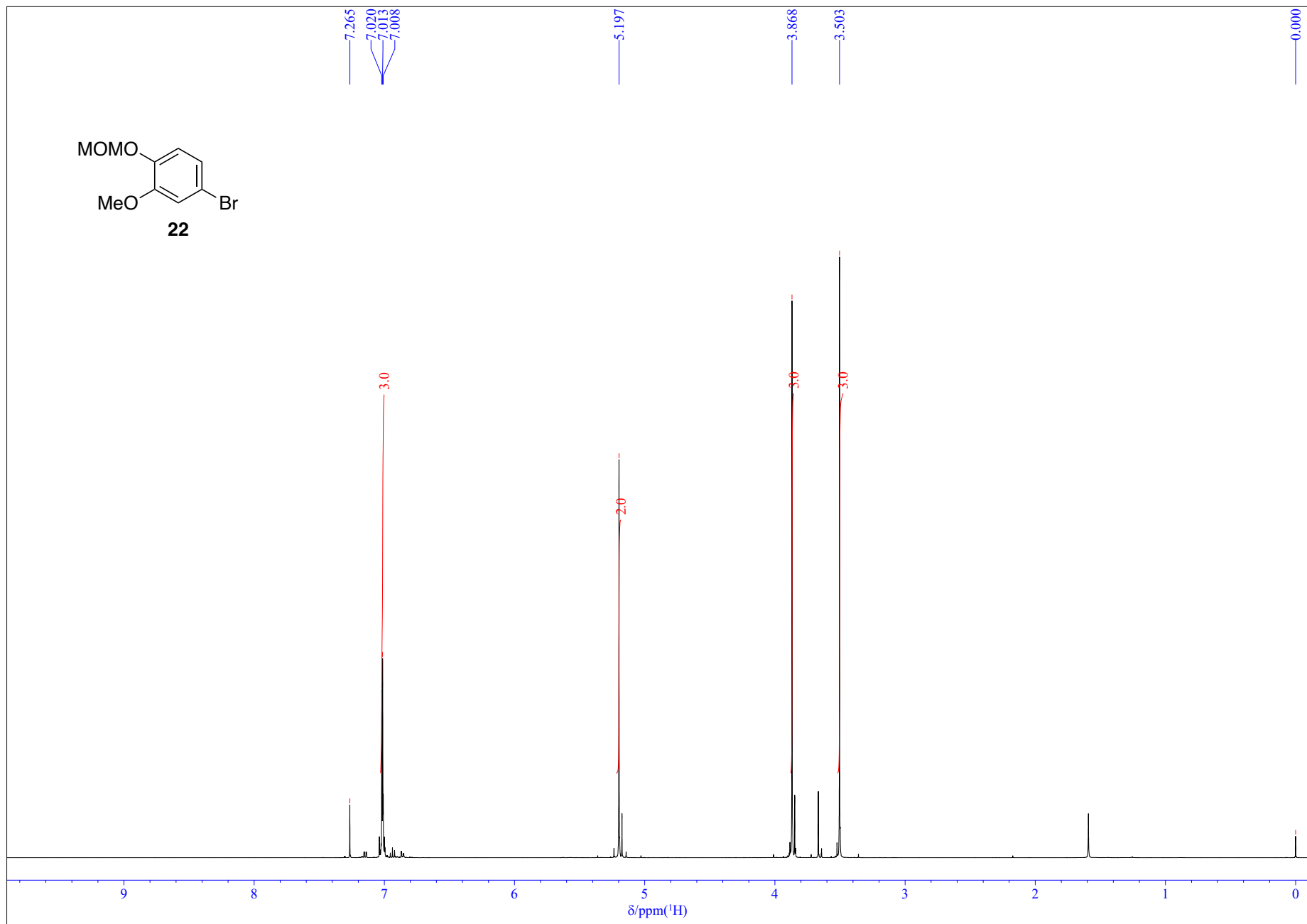


Figure S25. ¹H NMR spectrum of compound **22** (500 MHz, CDCl₃).

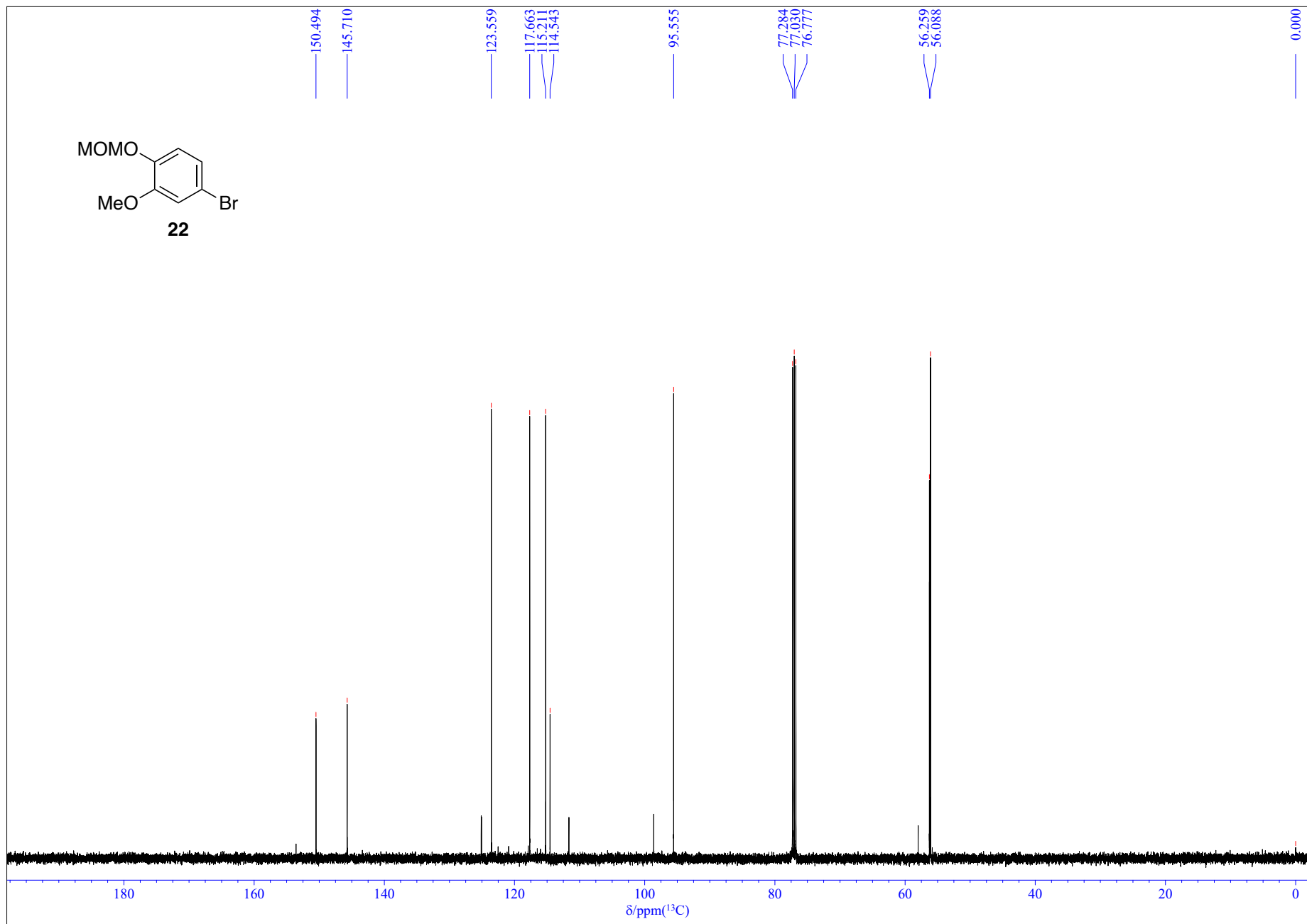


Figure S26. ^{13}C NMR spectrum of compound **22** (126 MHz, CDCl_3).

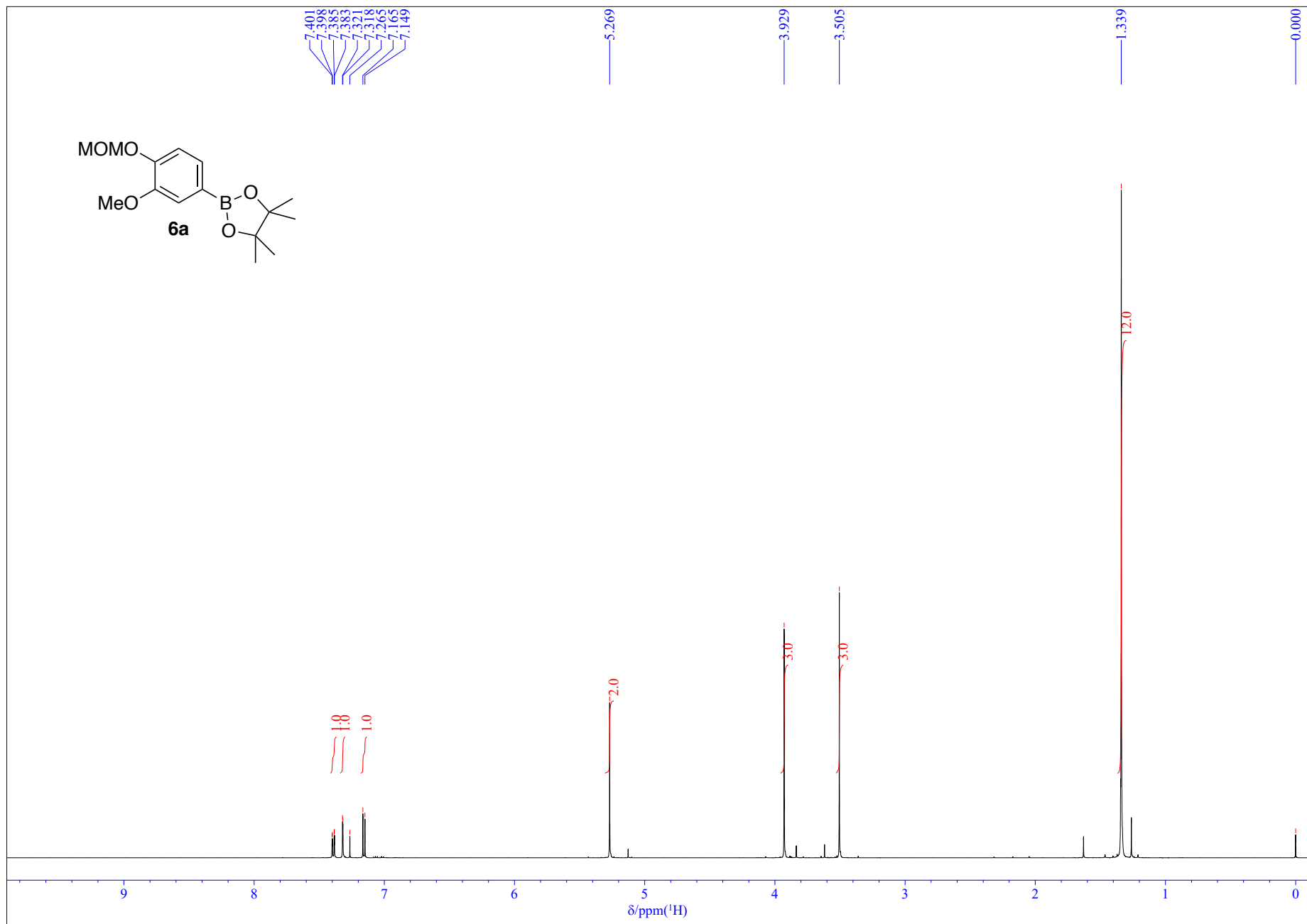


Figure S27. ^1H NMR spectrum of compound **6a** (500 MHz, CDCl_3).

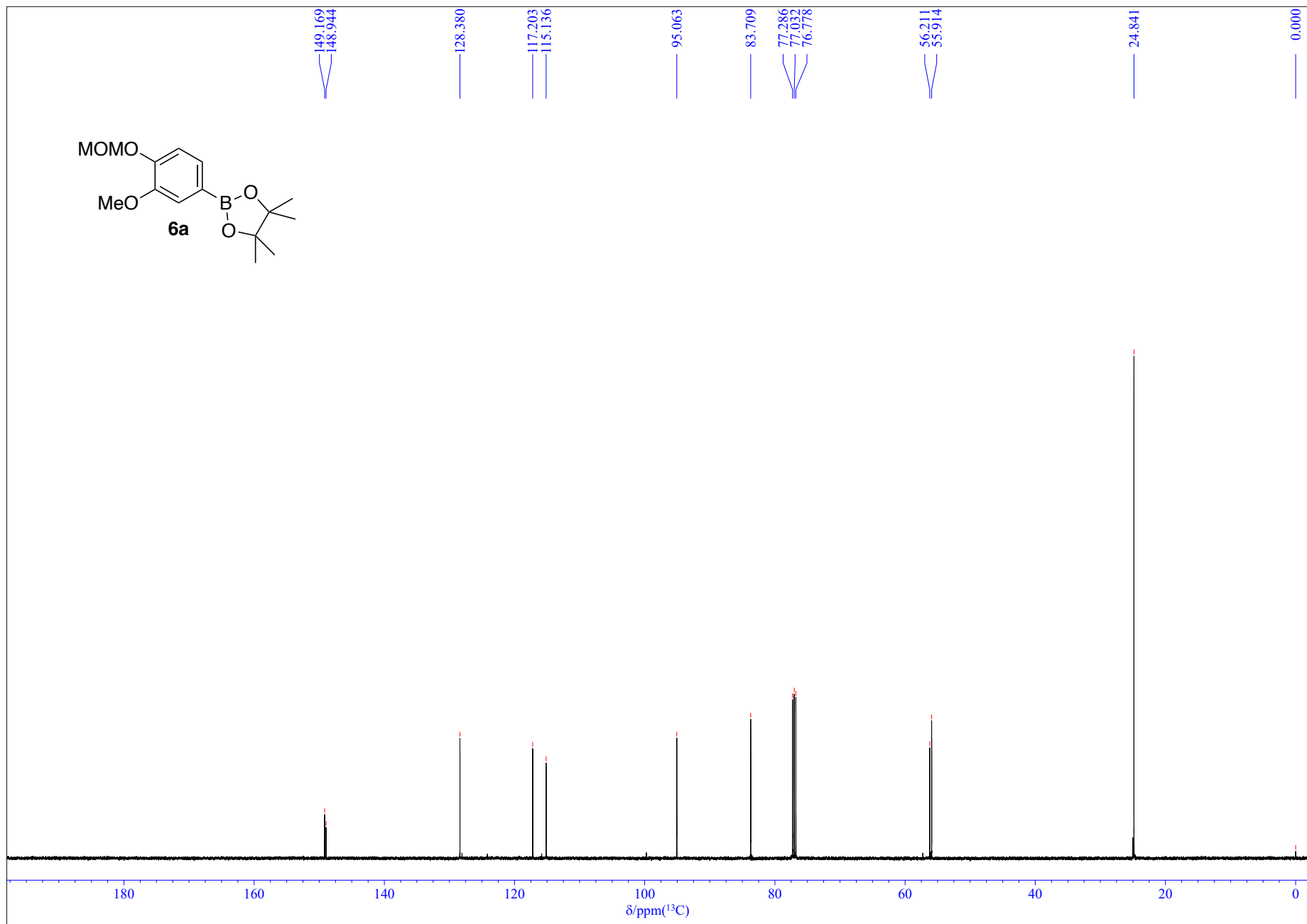


Figure S28. ^{13}C NMR spectrum of compound **6a** (126 MHz, CDCl_3).

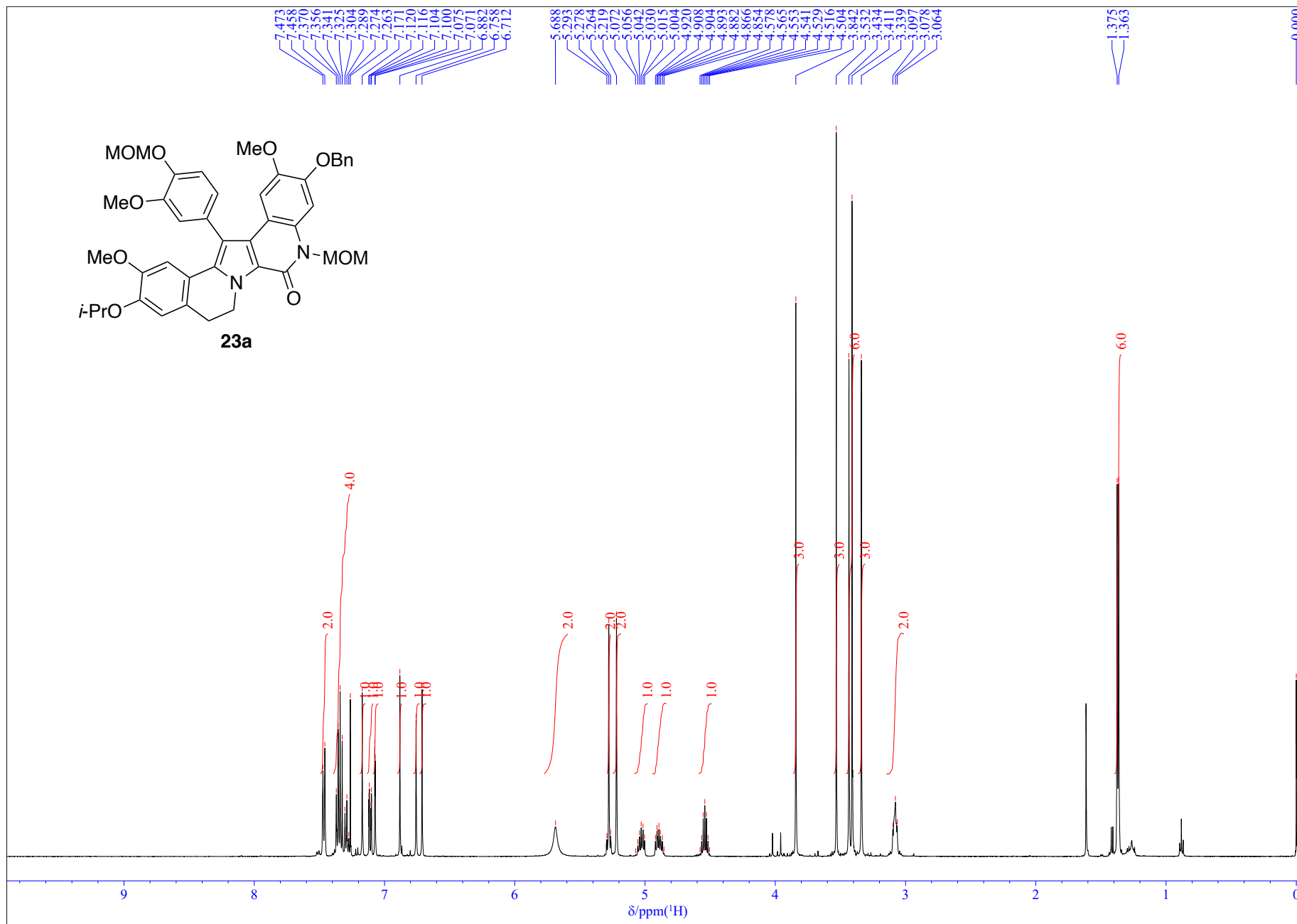


Figure S29. ^1H NMR spectrum of compound **23a** (500 MHz, CDCl_3).

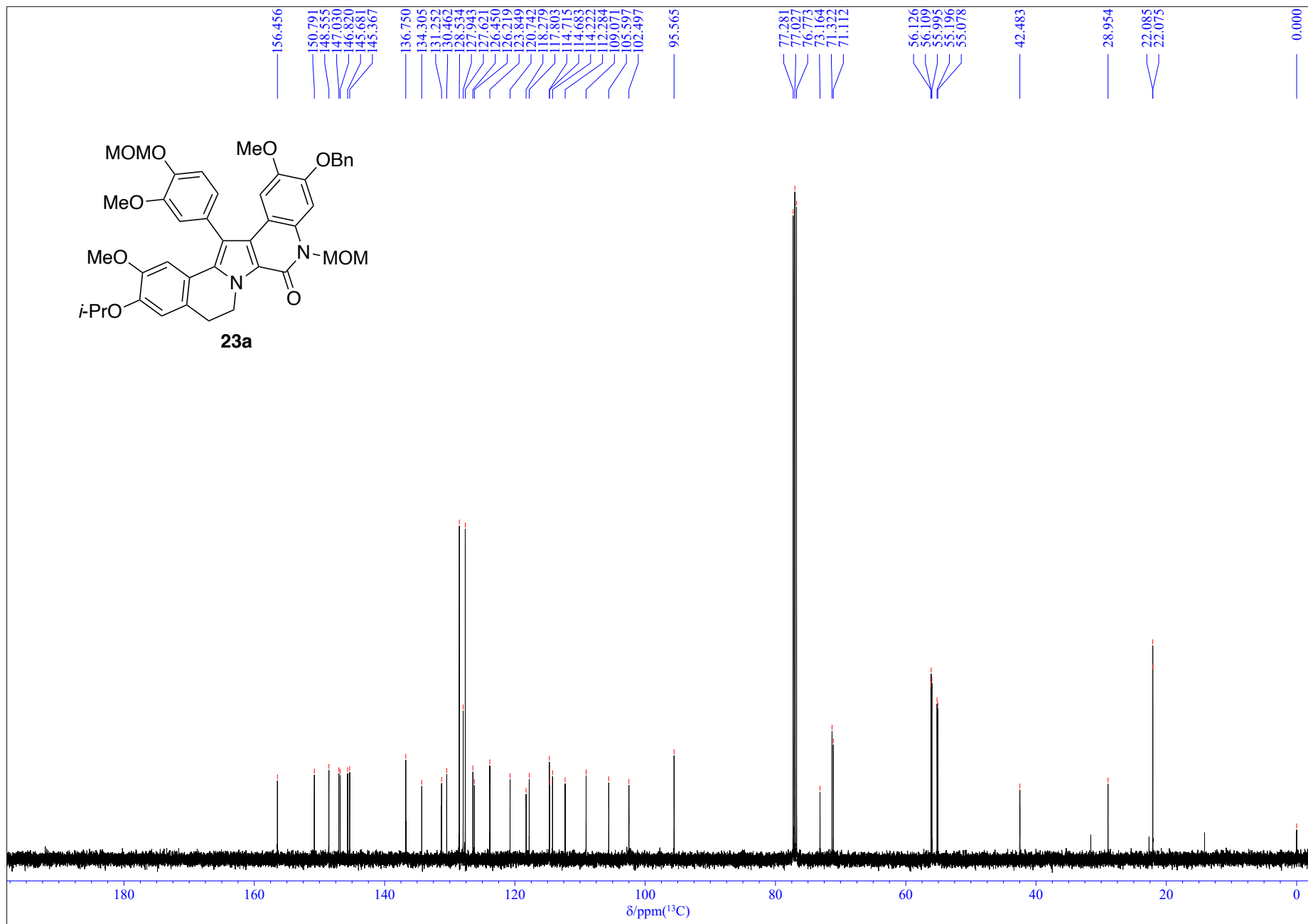


Figure S30. ^{13}C NMR spectrum of compound **23a** (126 MHz, CDCl_3).

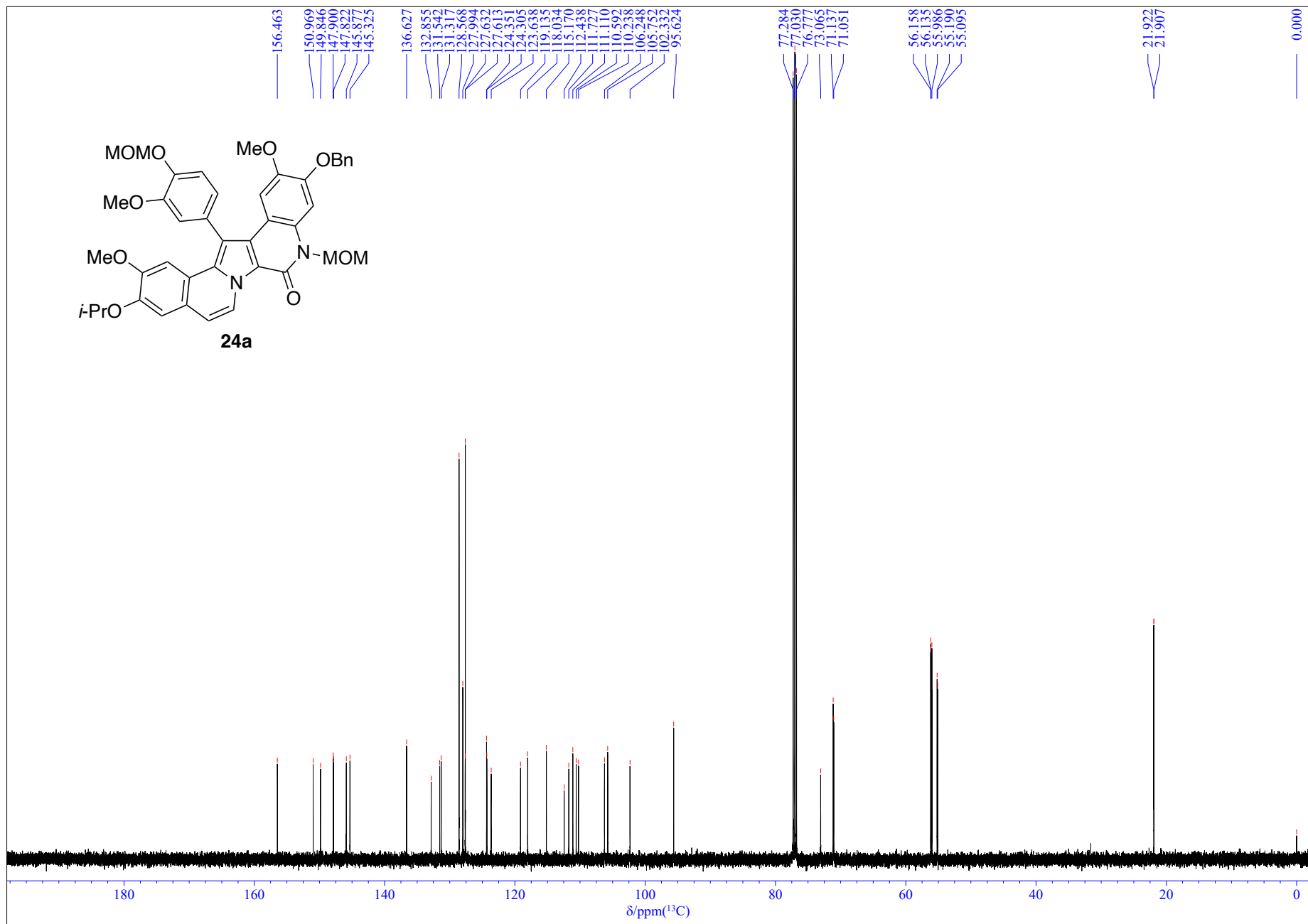


Figure S32. ^{13}C NMR spectrum of compound **24a** (126 MHz, CDCl_3).

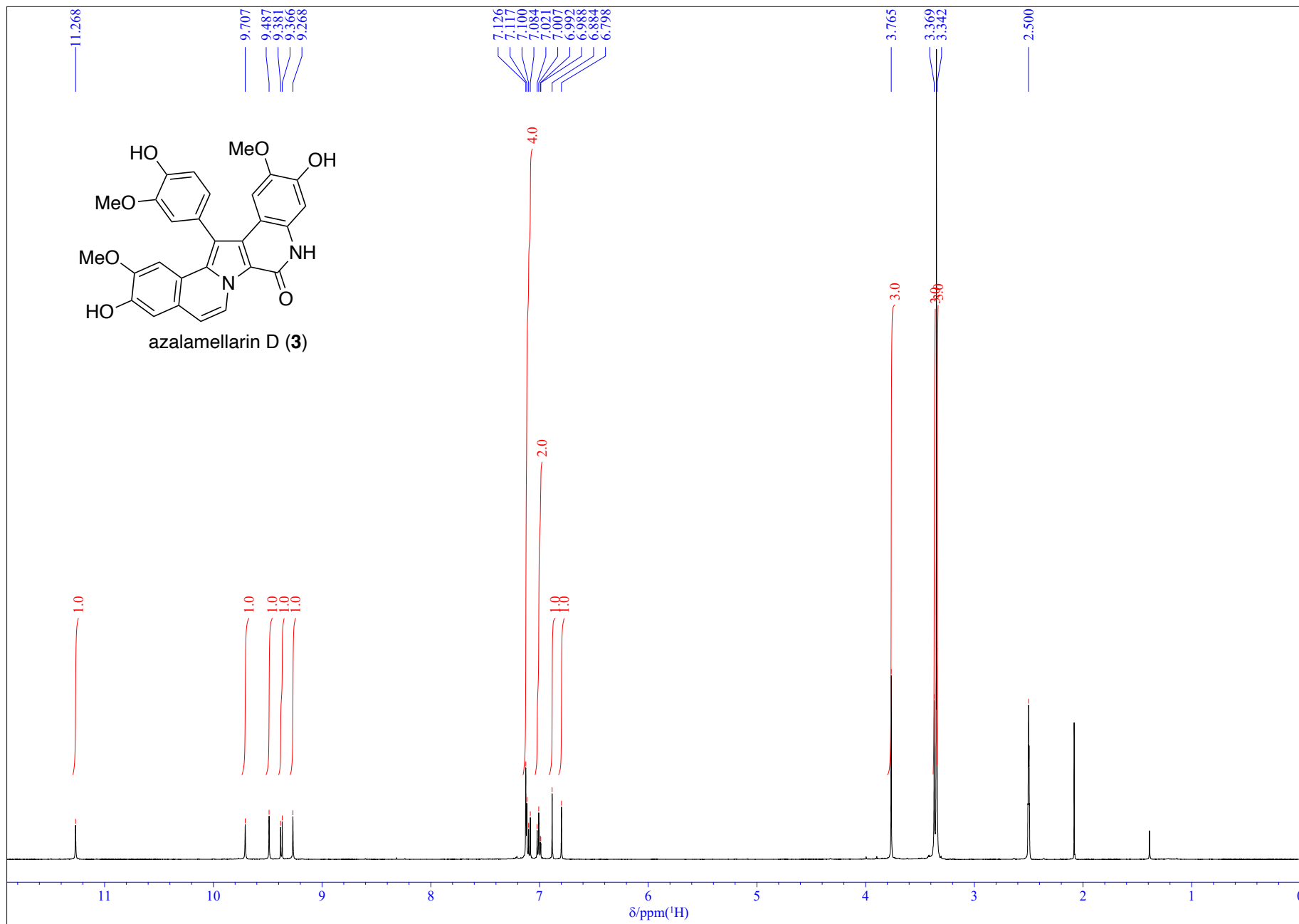


Figure S33. ¹H NMR spectrum of azalamellarin D (3) (500 MHz, DMSO-d₆).

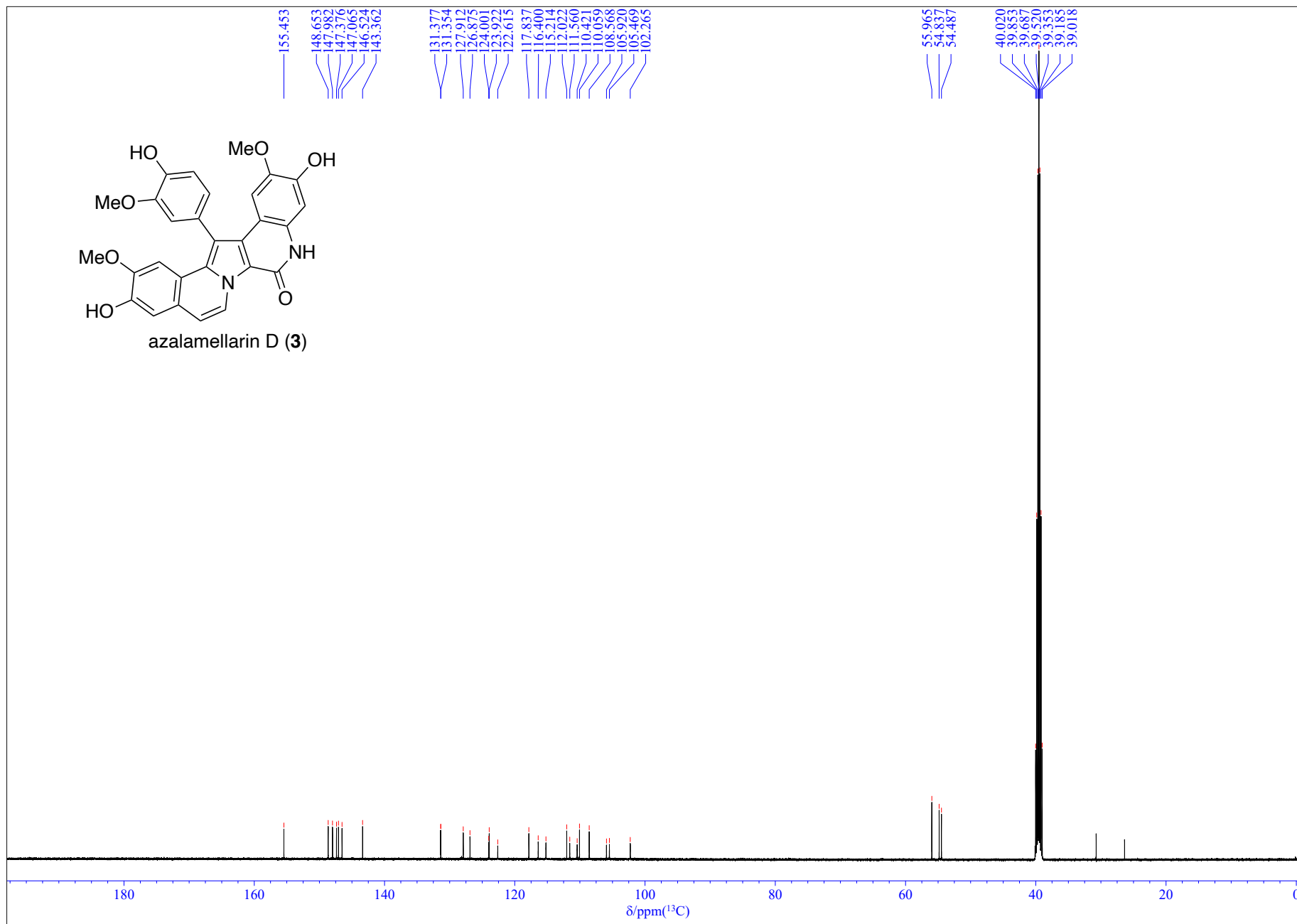


Figure S34. ^{13}C NMR spectrum of azalamellarin D (3) (126 MHz, $\text{DMSO}-d_6$).

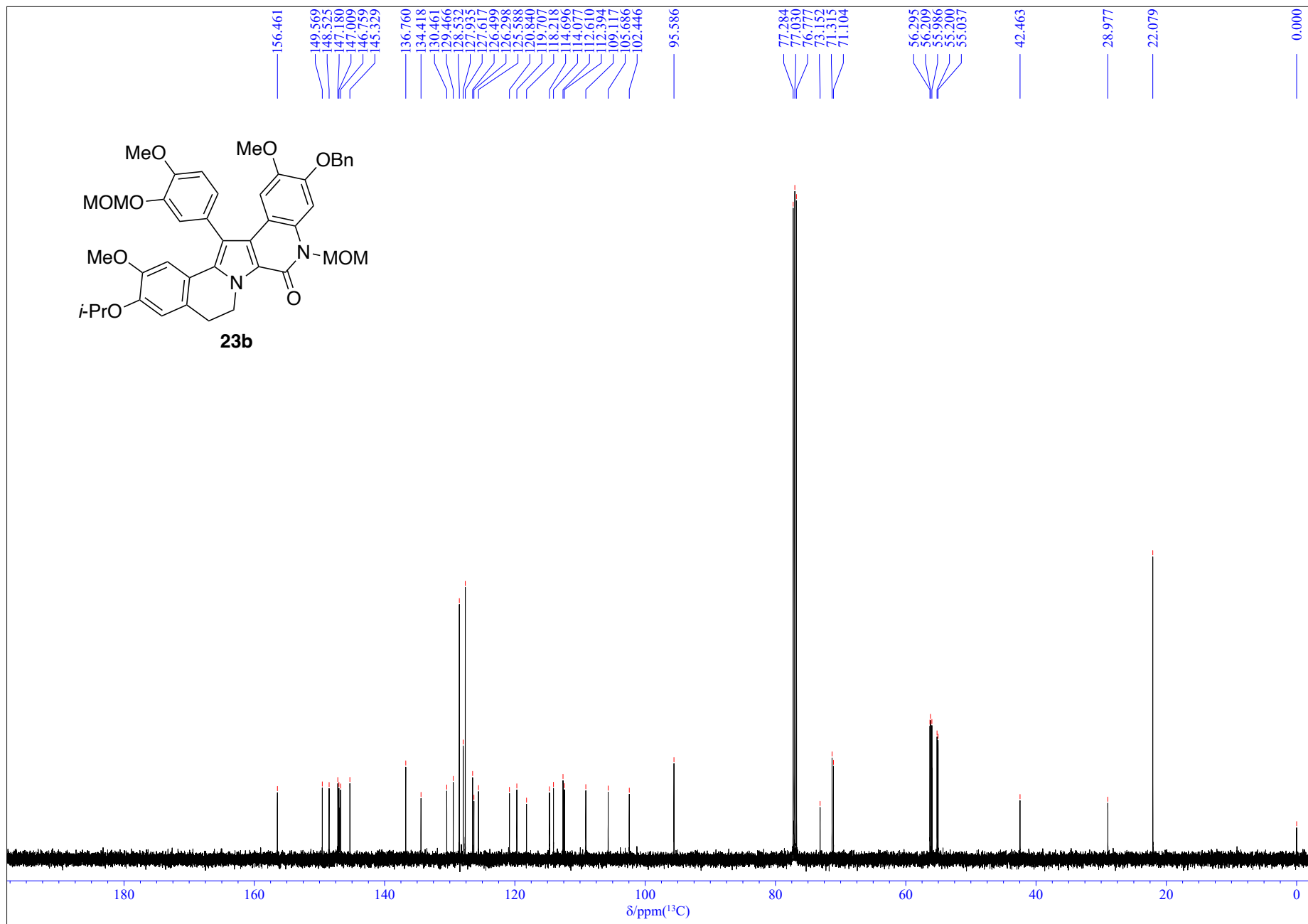


Figure S36. ^{13}C NMR spectrum of compound **23b** (126 MHz, CDCl_3).

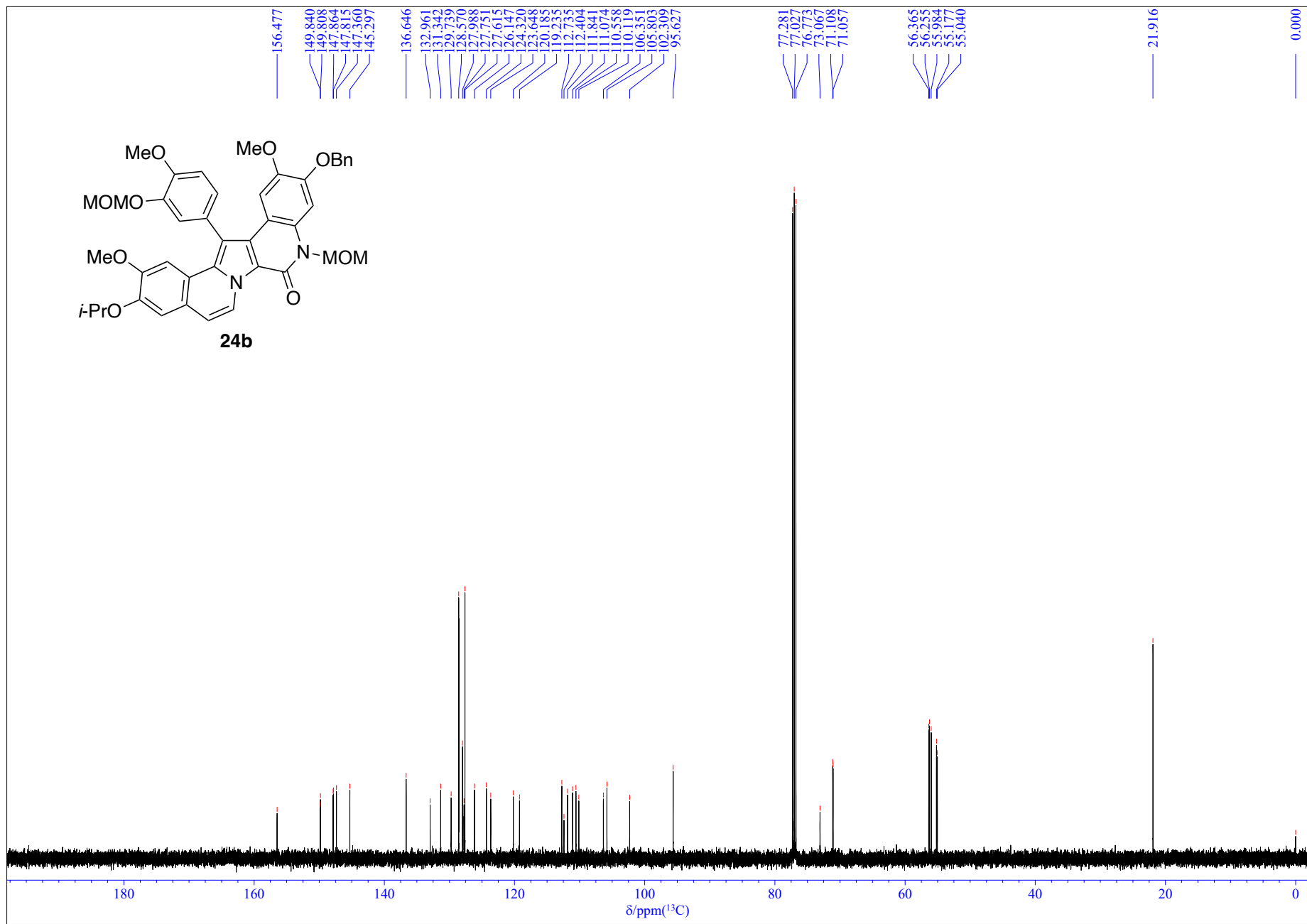


Figure S38. ^{13}C NMR spectrum of compound **24b** (126 MHz, CDCl_3).

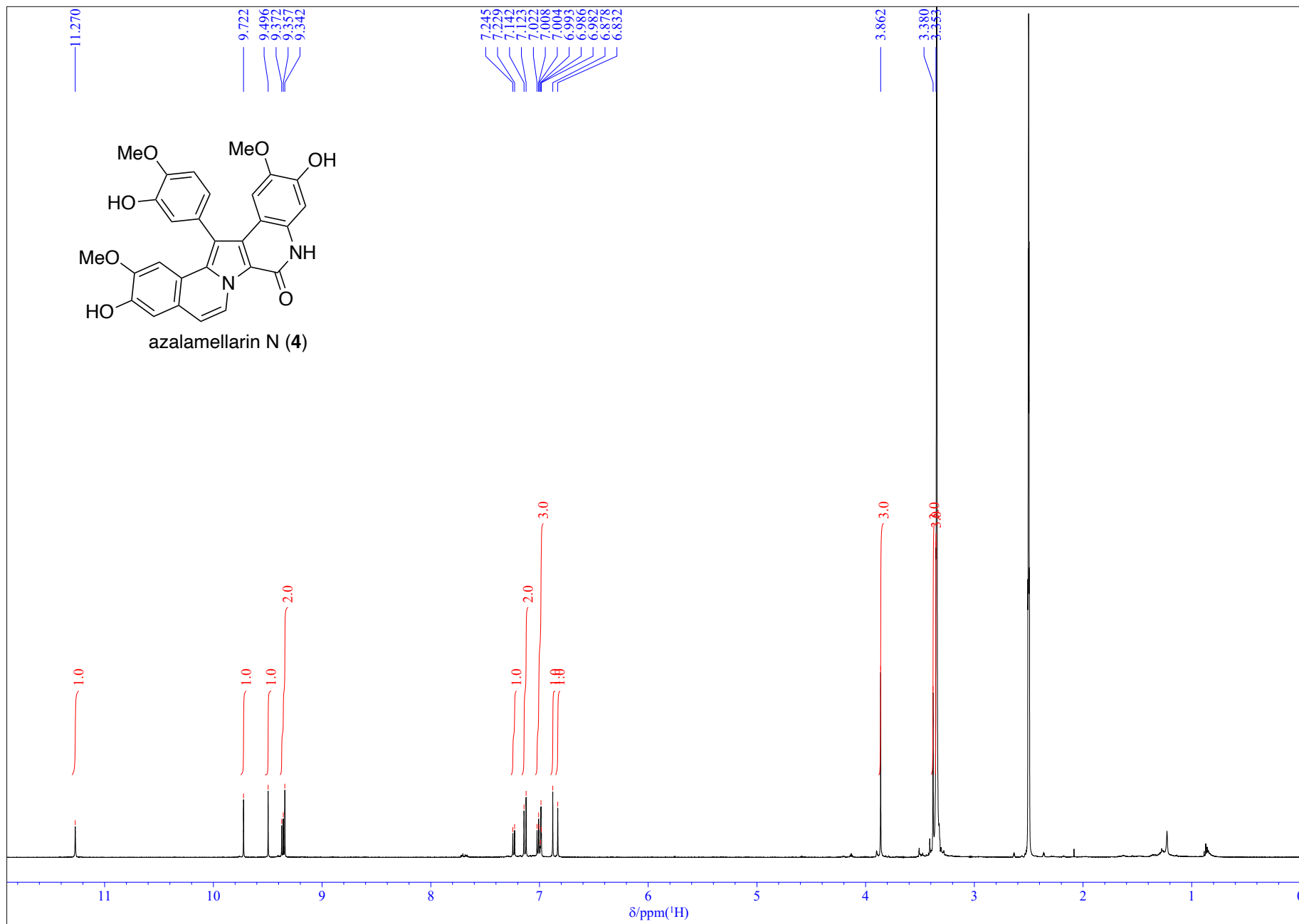


Figure S39. ¹H NMR spectrum of azalamellarin N (4) (500 MHz, DMSO-d₆).

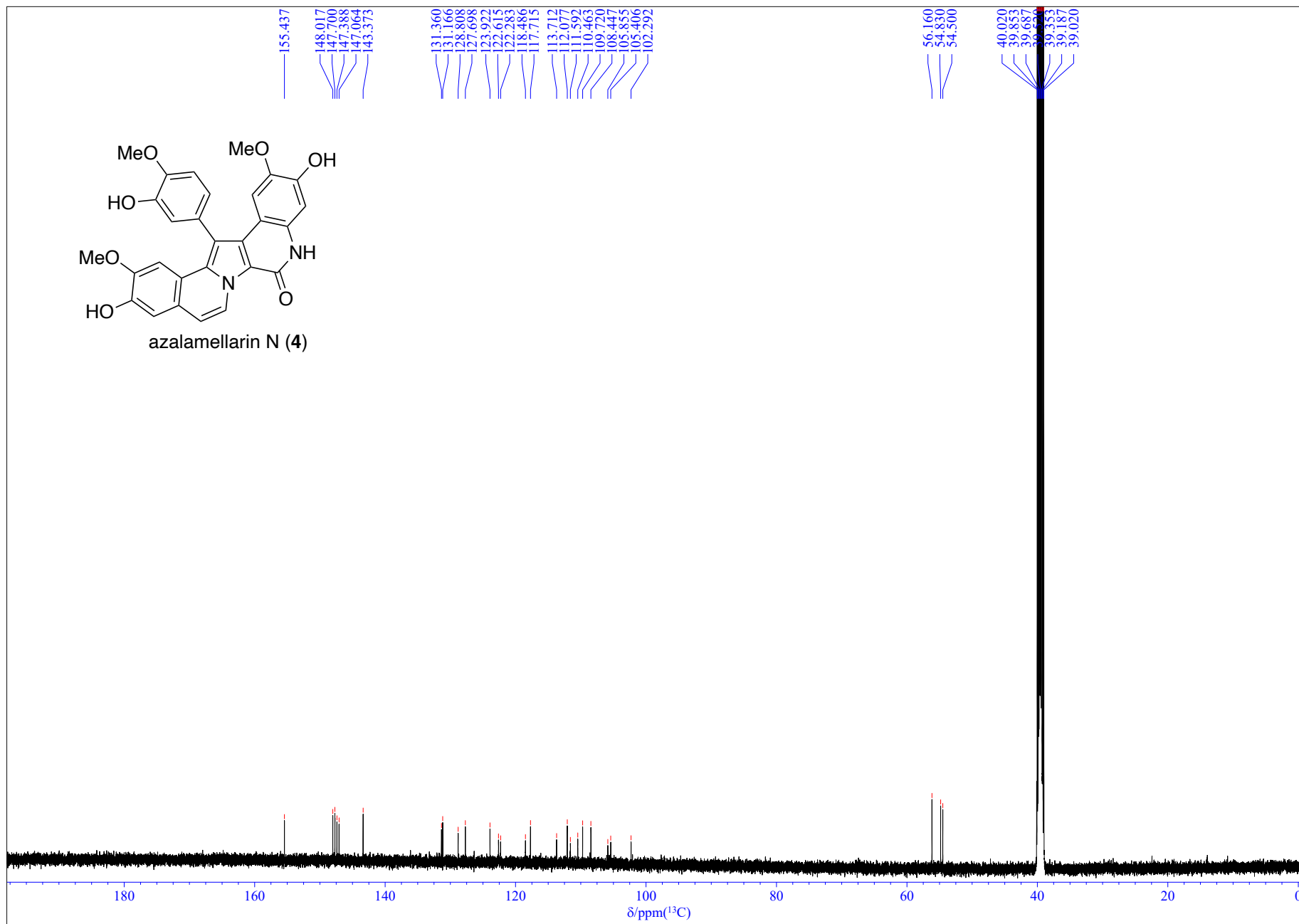


Figure S40. ^{13}C NMR spectrum of azalamellarin N (4) (126 MHz, $\text{DMSO-}d_6$).