

Supplementary data for article:

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SUPPLEMENTARY DATA

Synthesis, cytotoxic activity and DNA-interaction studies of novel anthraquinone-thiosemicarbazones with tautomerizable methylene group

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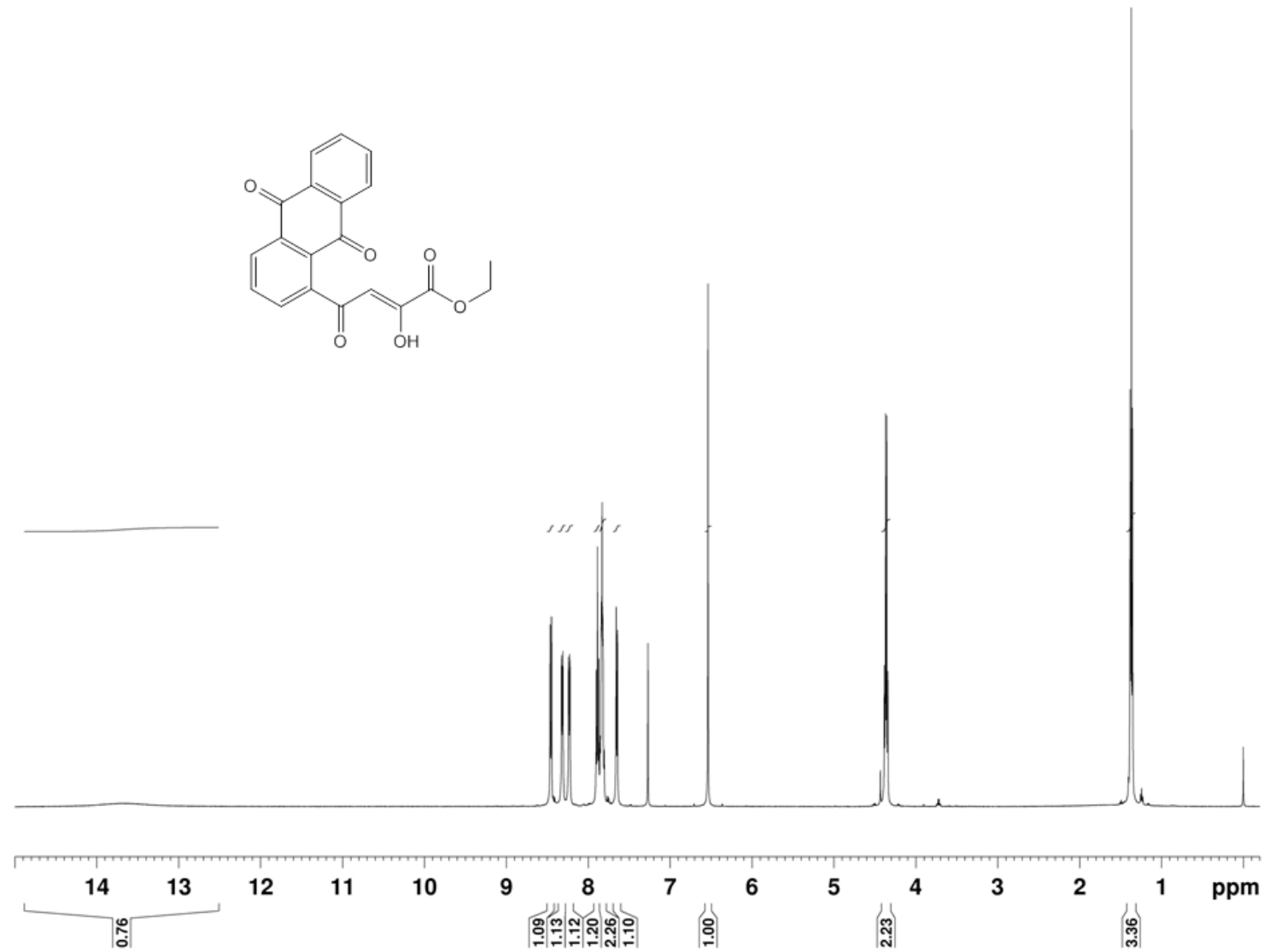


Fig. S1. ¹H NMR spectrum of 4.

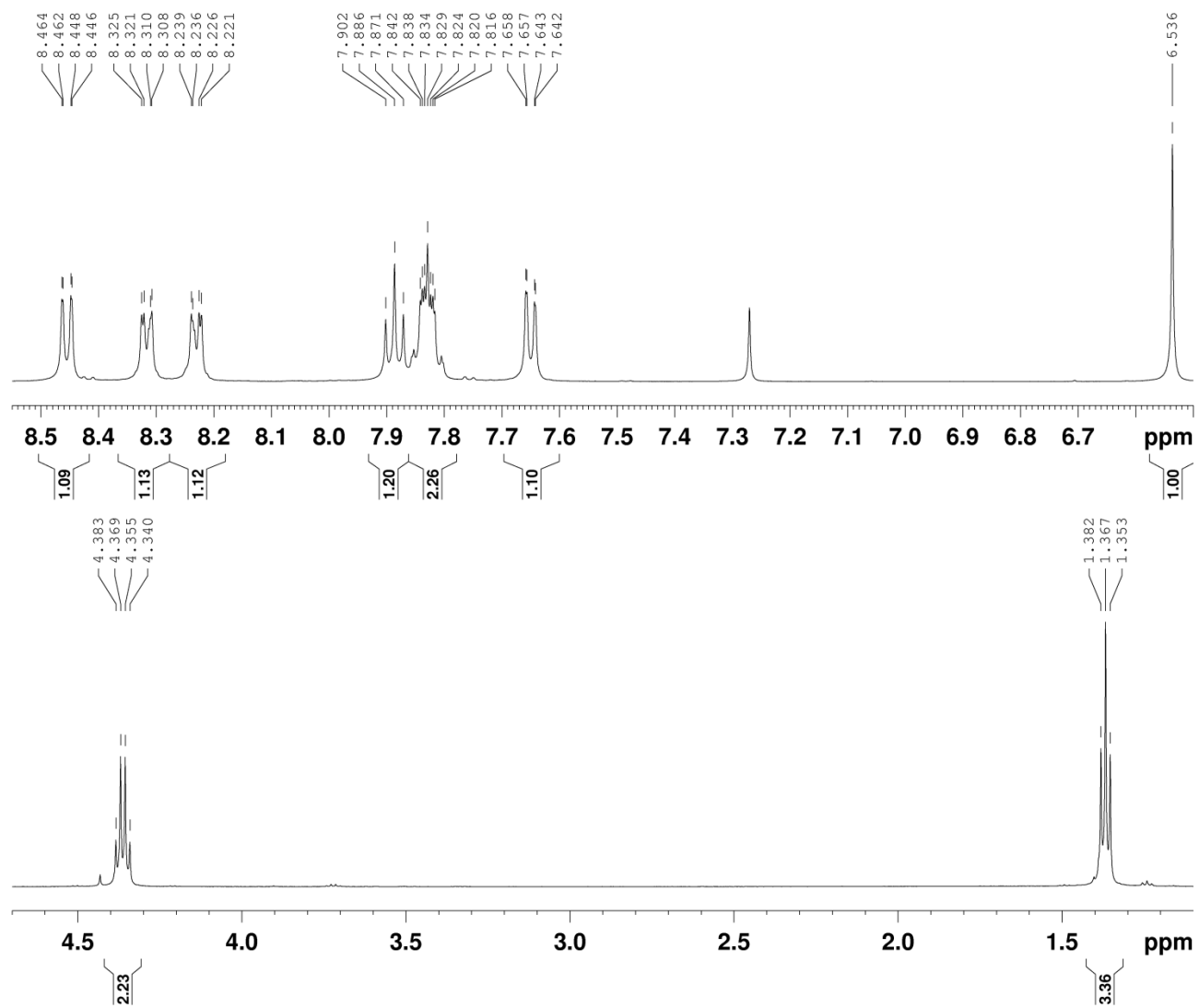


Fig. S2. Expanded ^1H NMR spectrum of **4**.

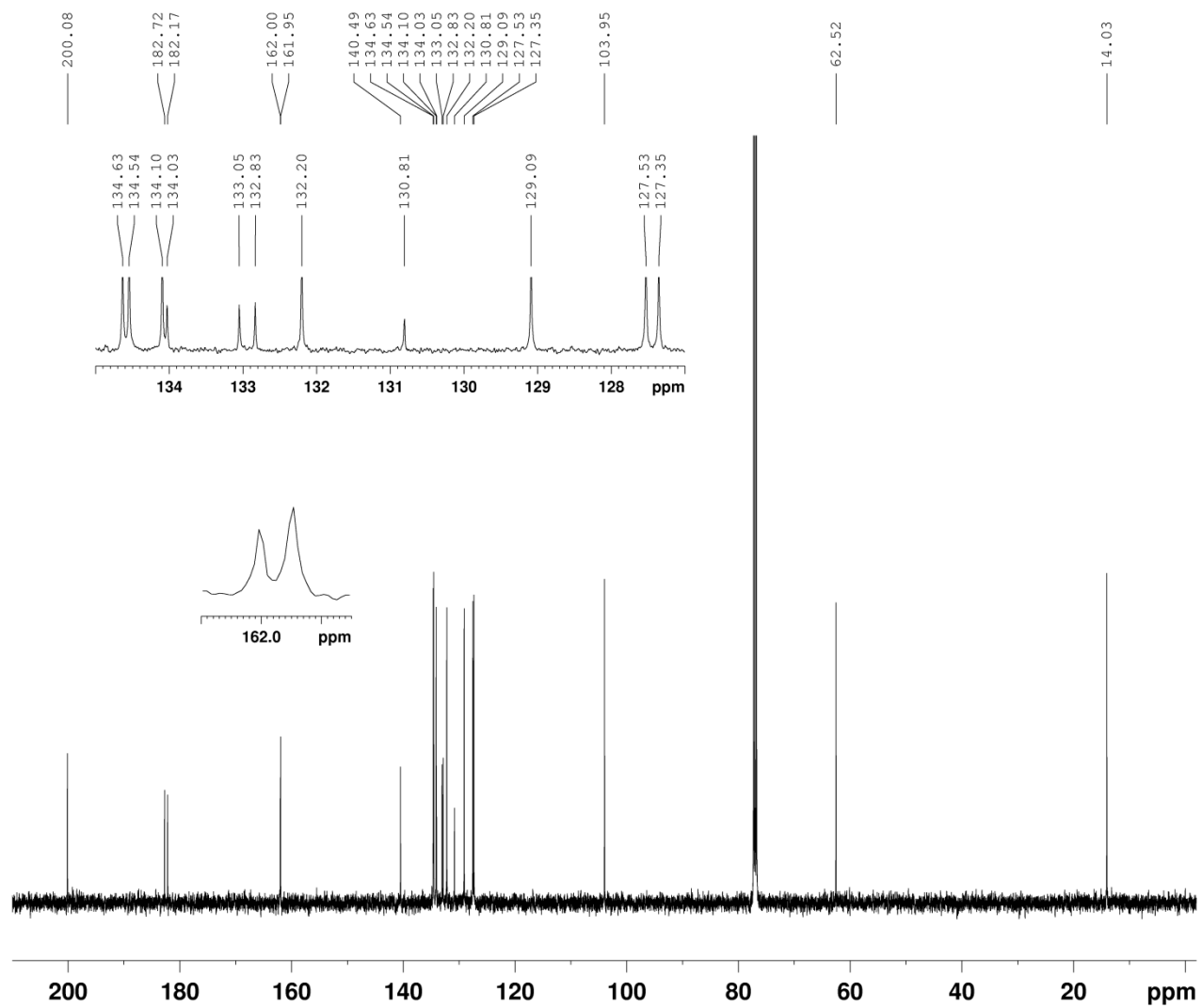


Fig. S3. ^{13}C NMR spectrum of 4.

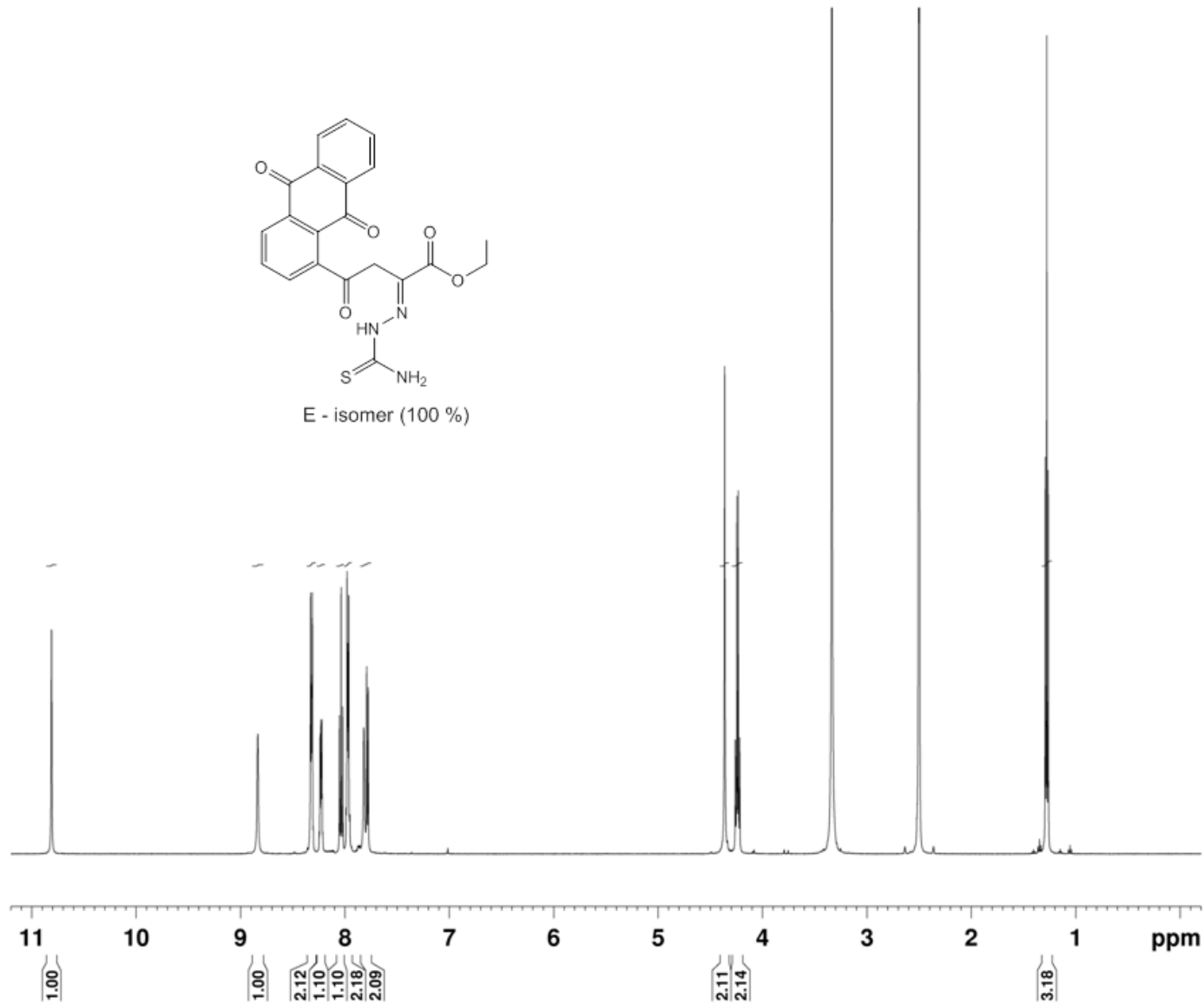


Fig. S4. ¹H NMR spectrum of 5a.

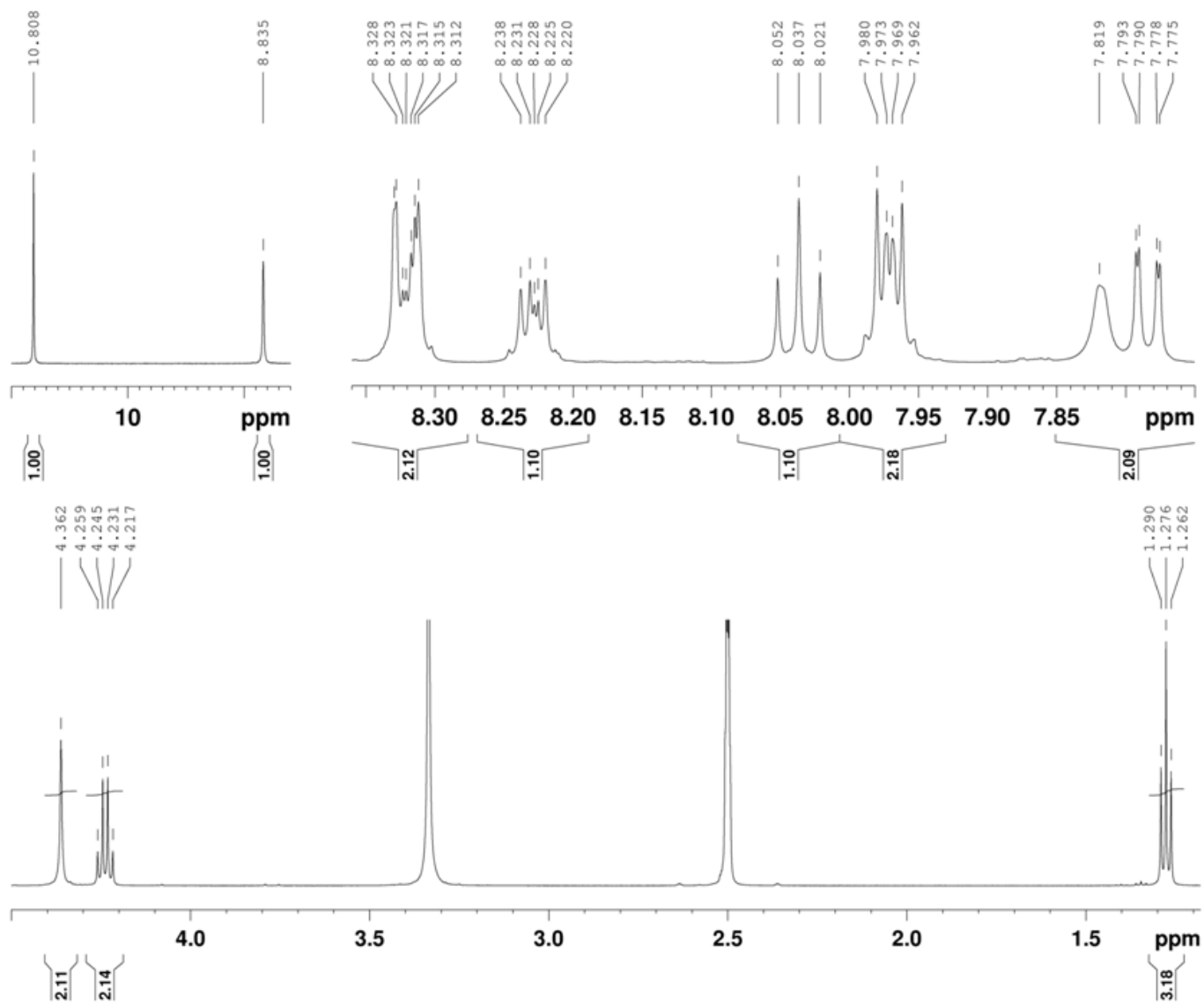


Fig. S5. Expanded ¹H NMR spectrum of 5a.

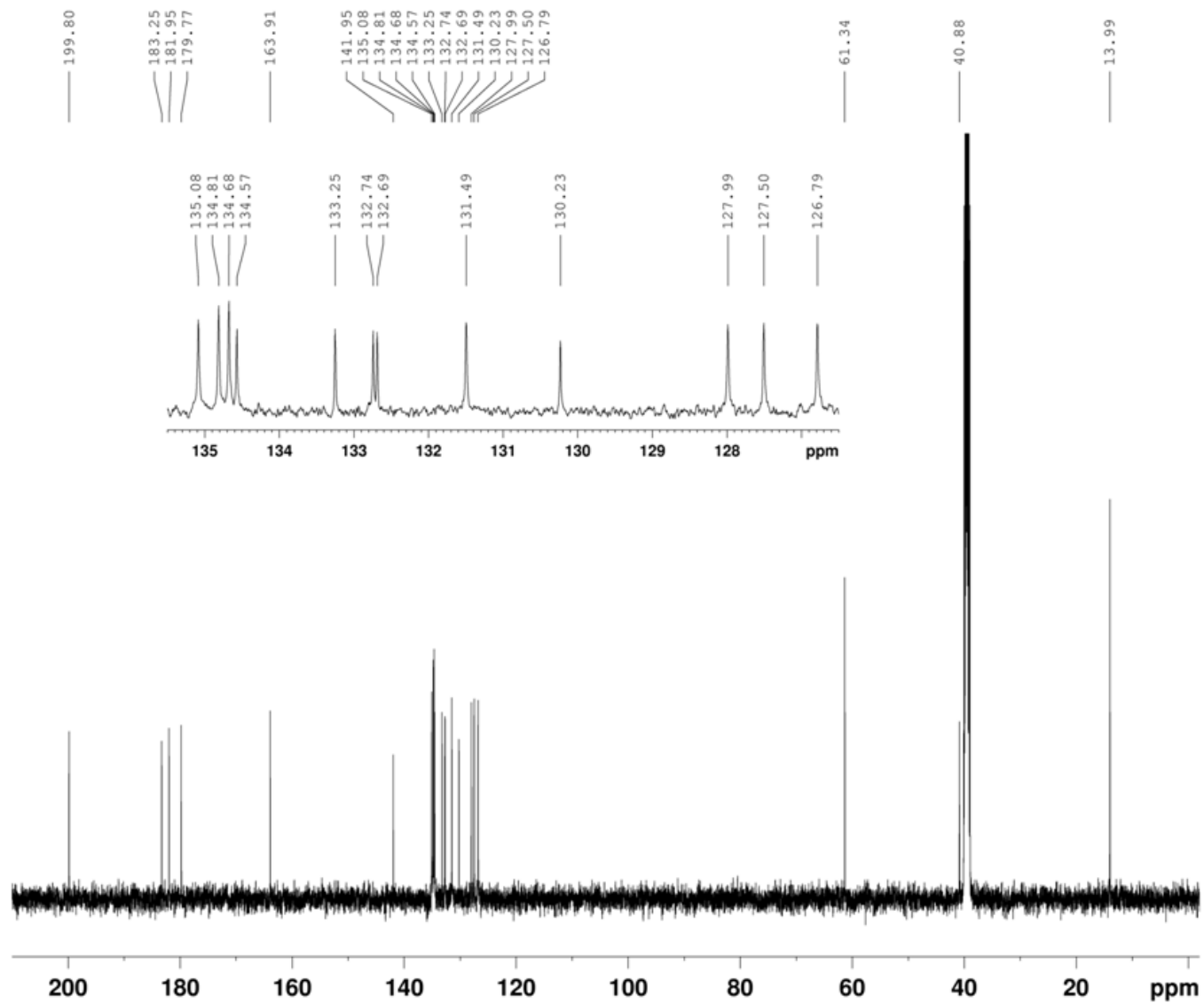


Fig. S6. ^{13}C NMR spectrum of **5a**.

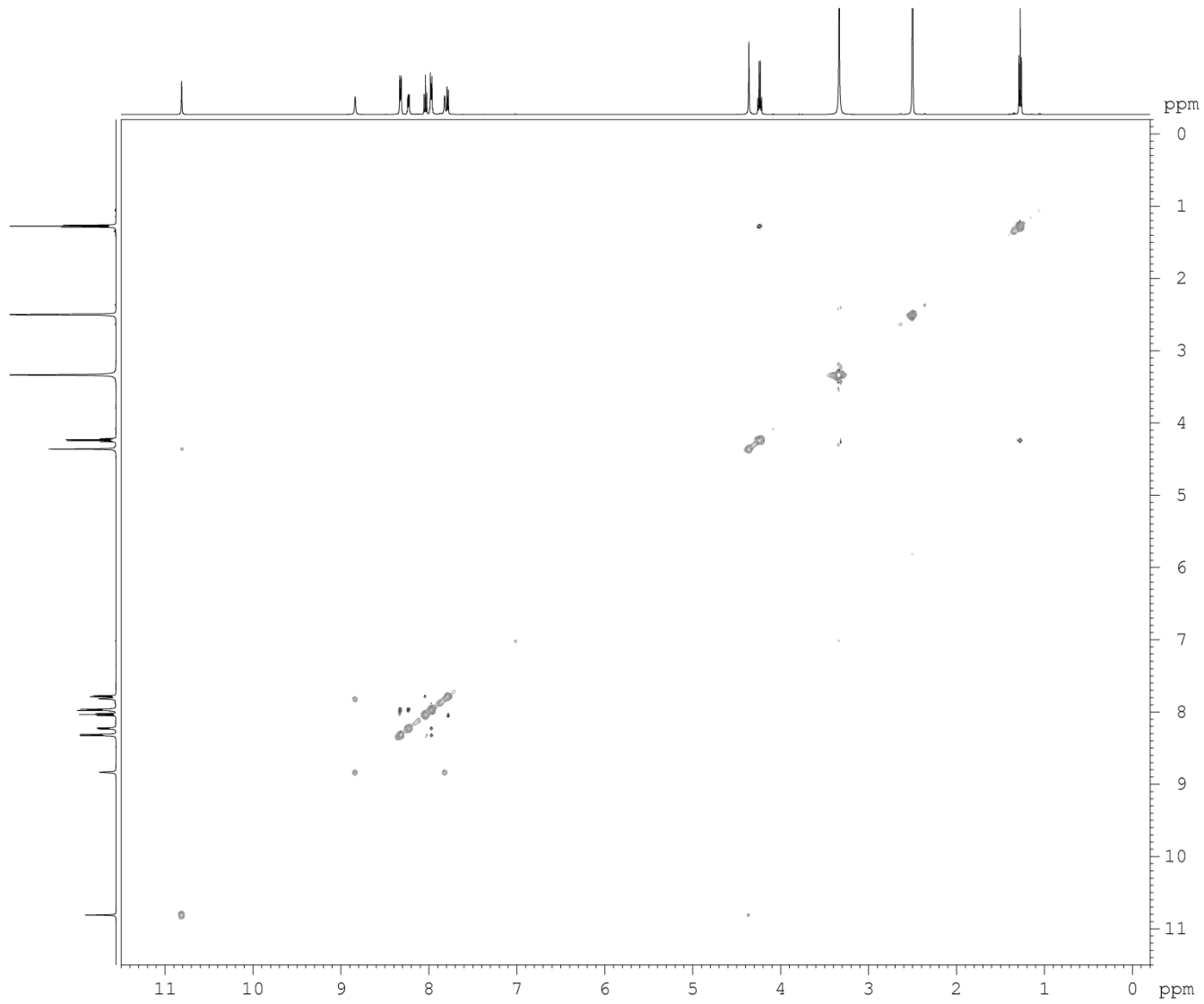


Fig. S7. NOESY spectrum of **5a**.

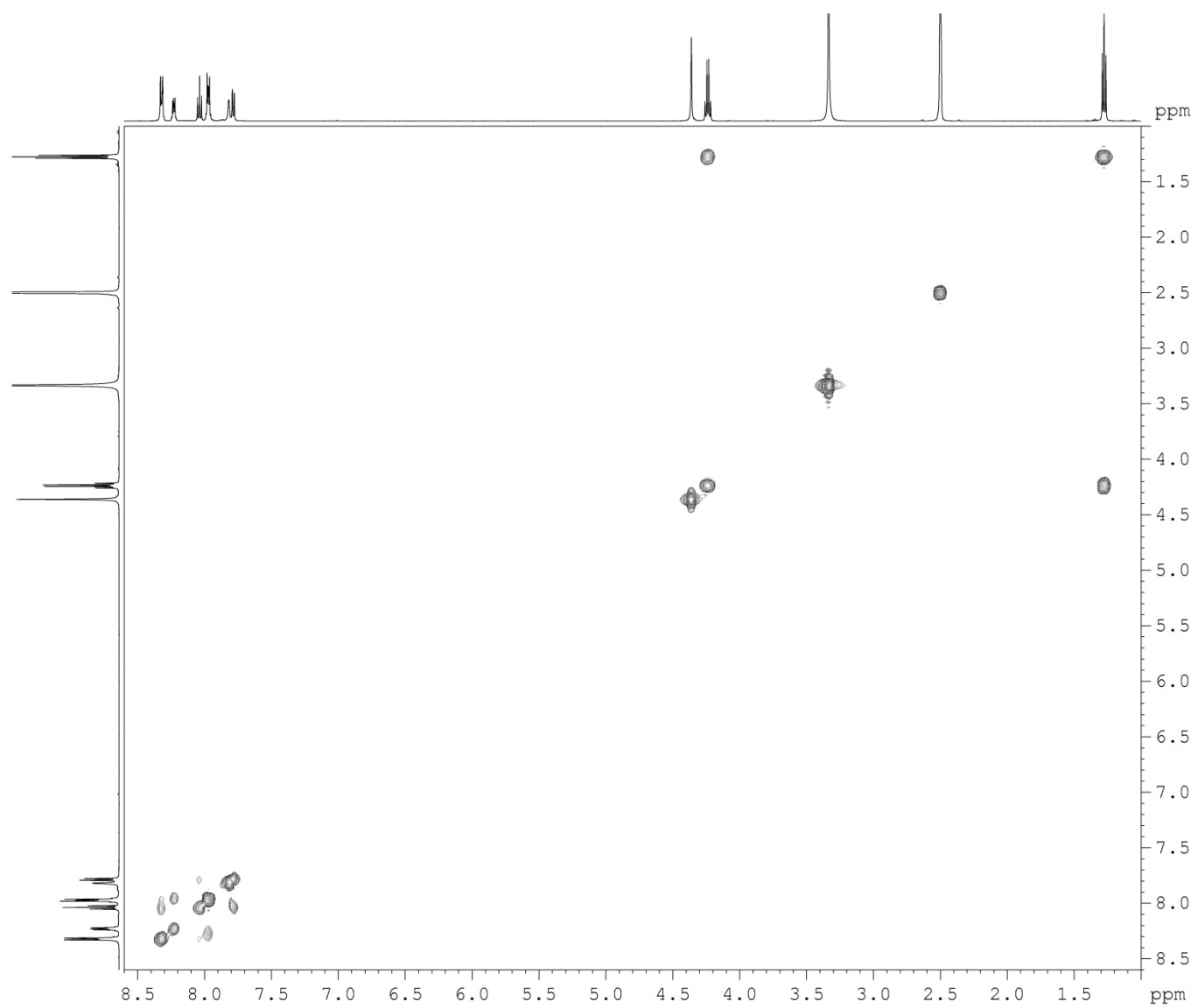


Fig. S8. COSY spectrum of **5a**.

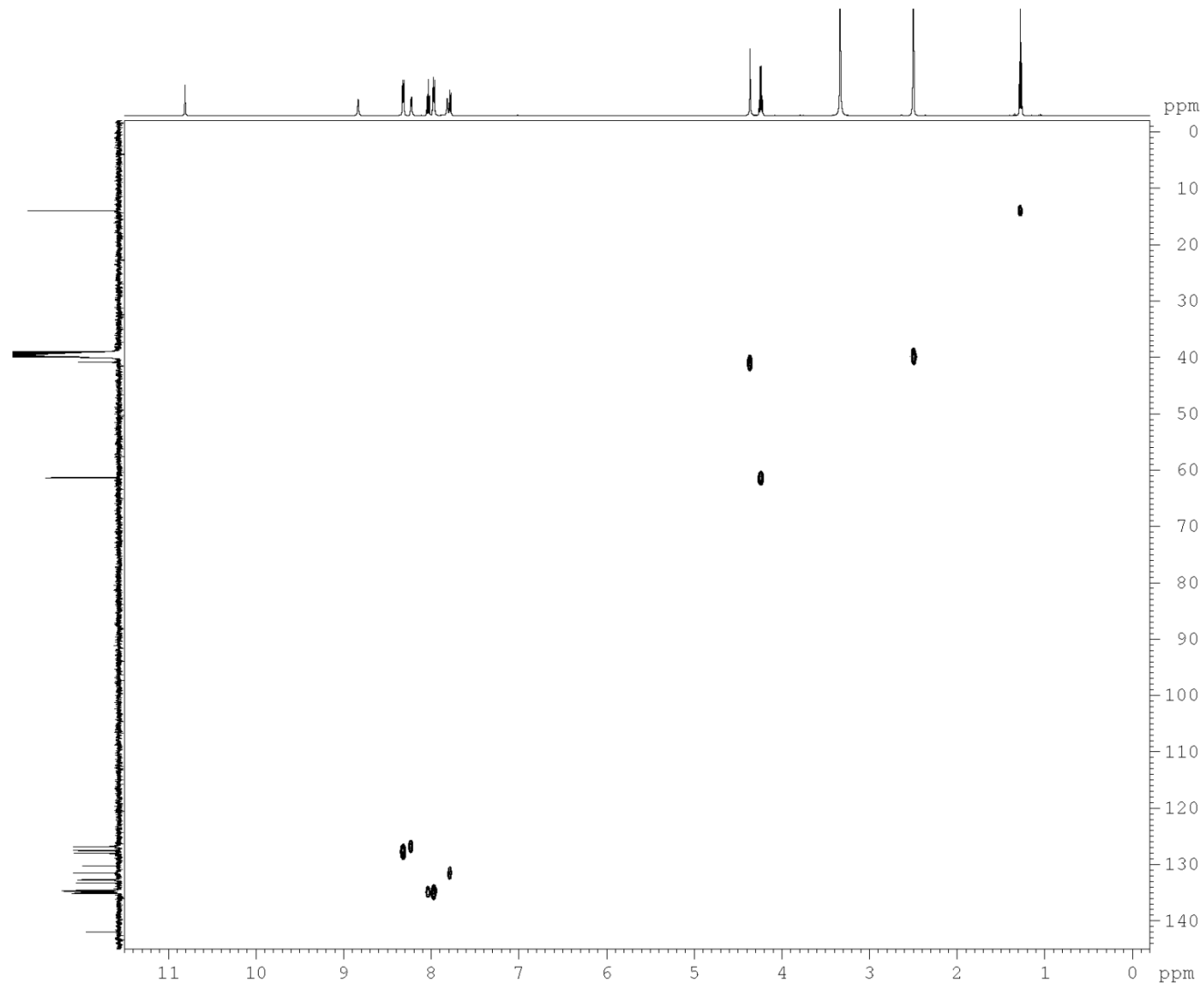


Fig. S9. HSQC spectrum of **5a**.

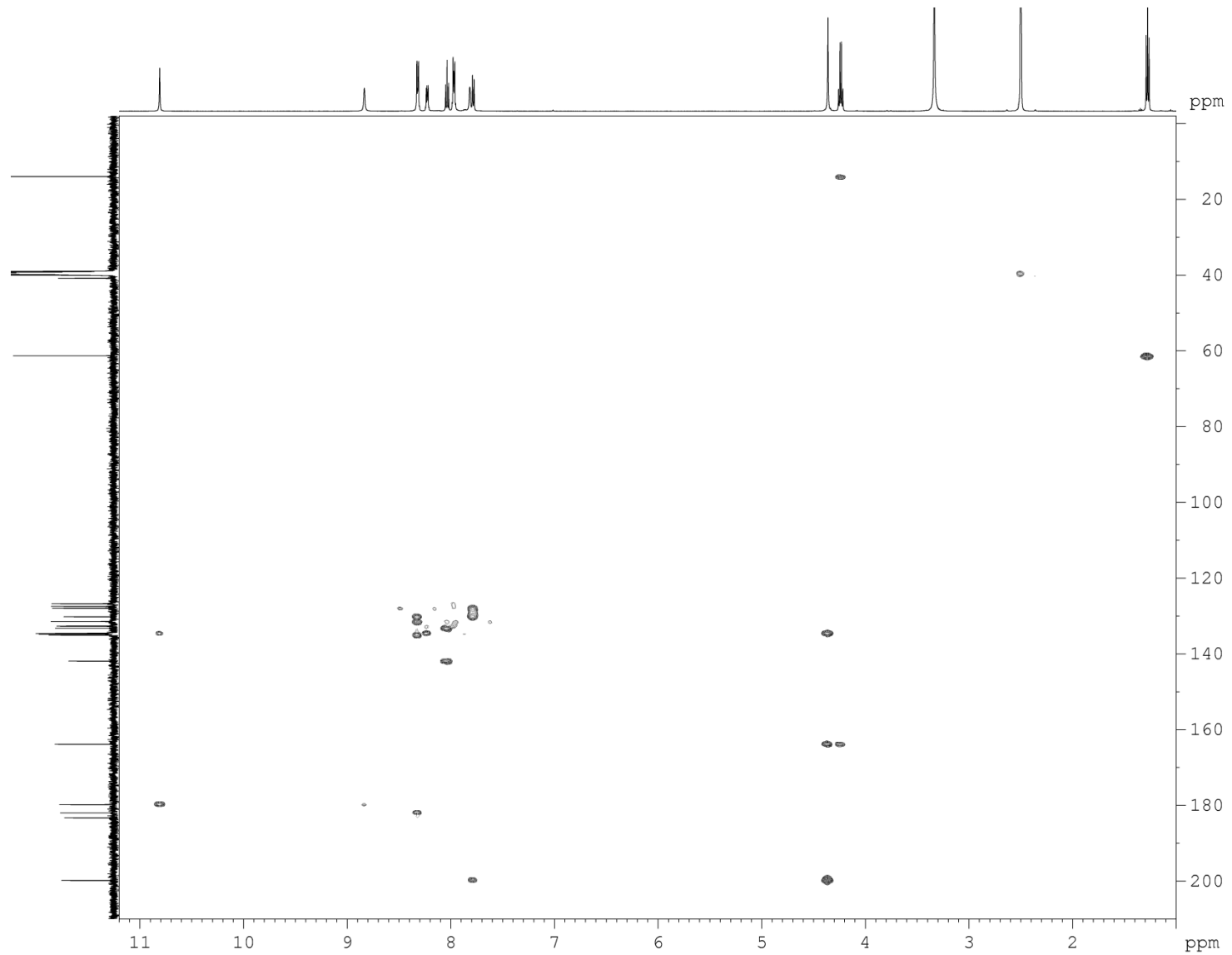


Fig. S10. HMBC spectrum of **5a**.

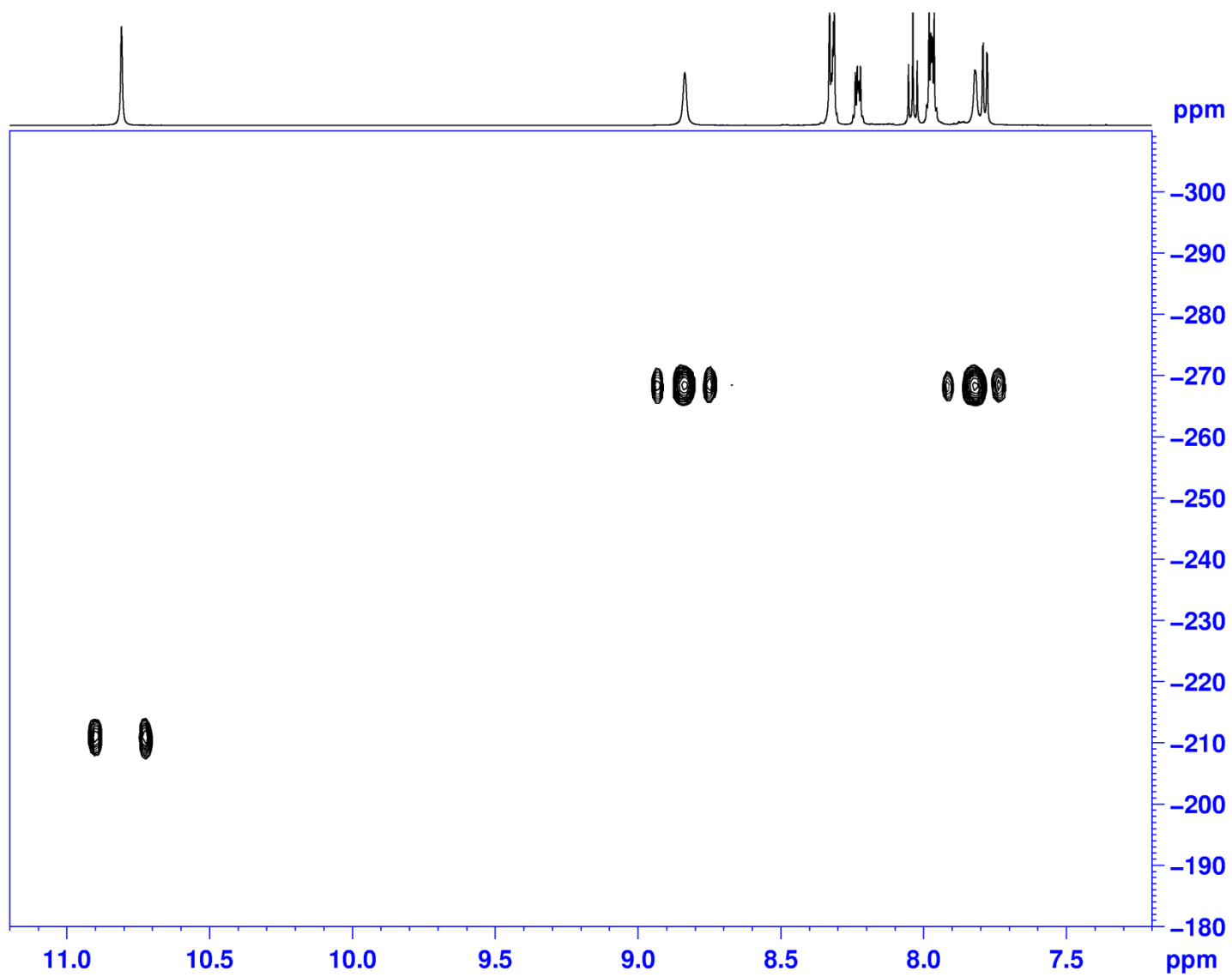


Fig. S11. ^1H - ^{15}N HSQC spectrum of **5a**.

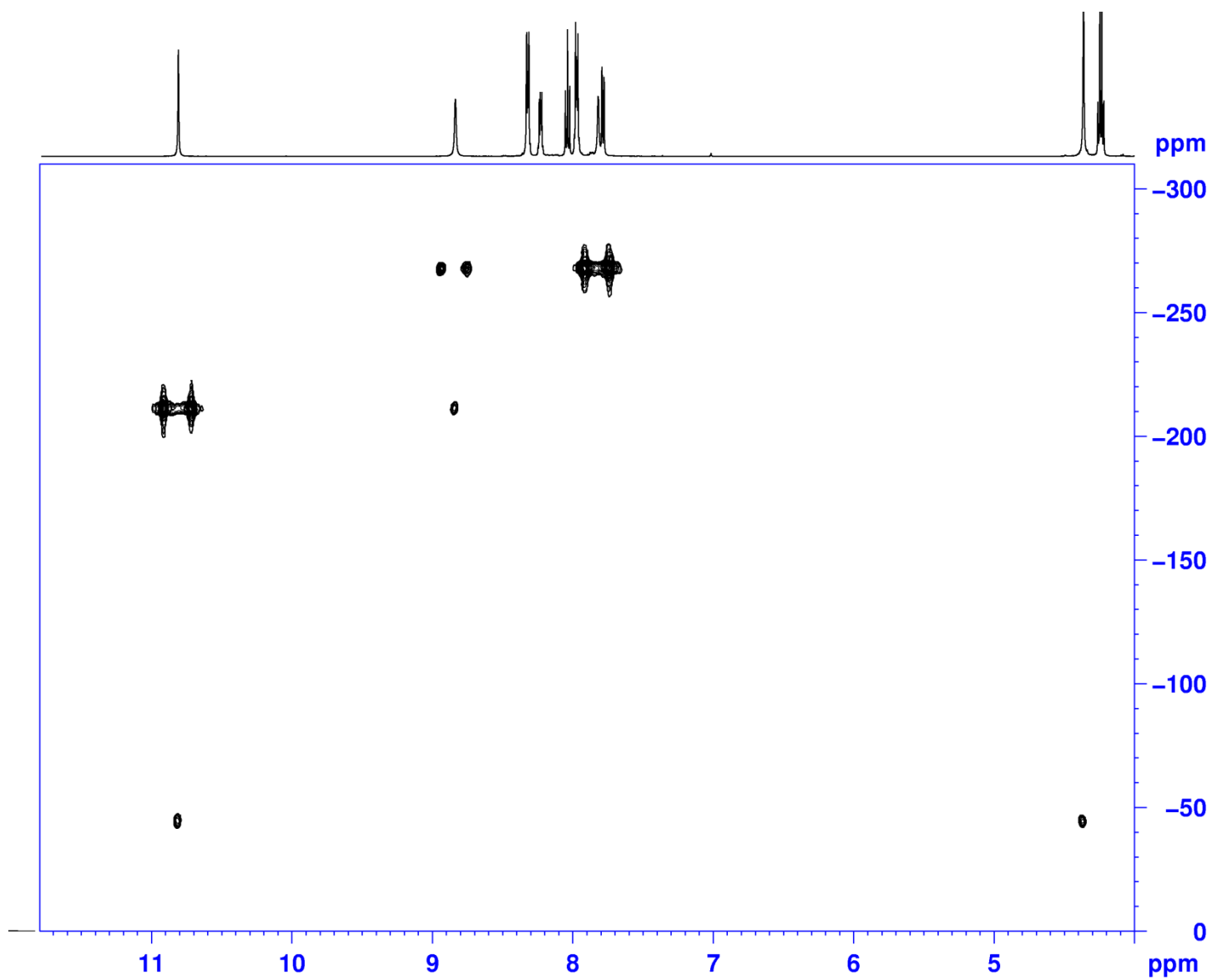


Fig. S12. ^1H - ^{15}N HMBC spectrum of **5a**.

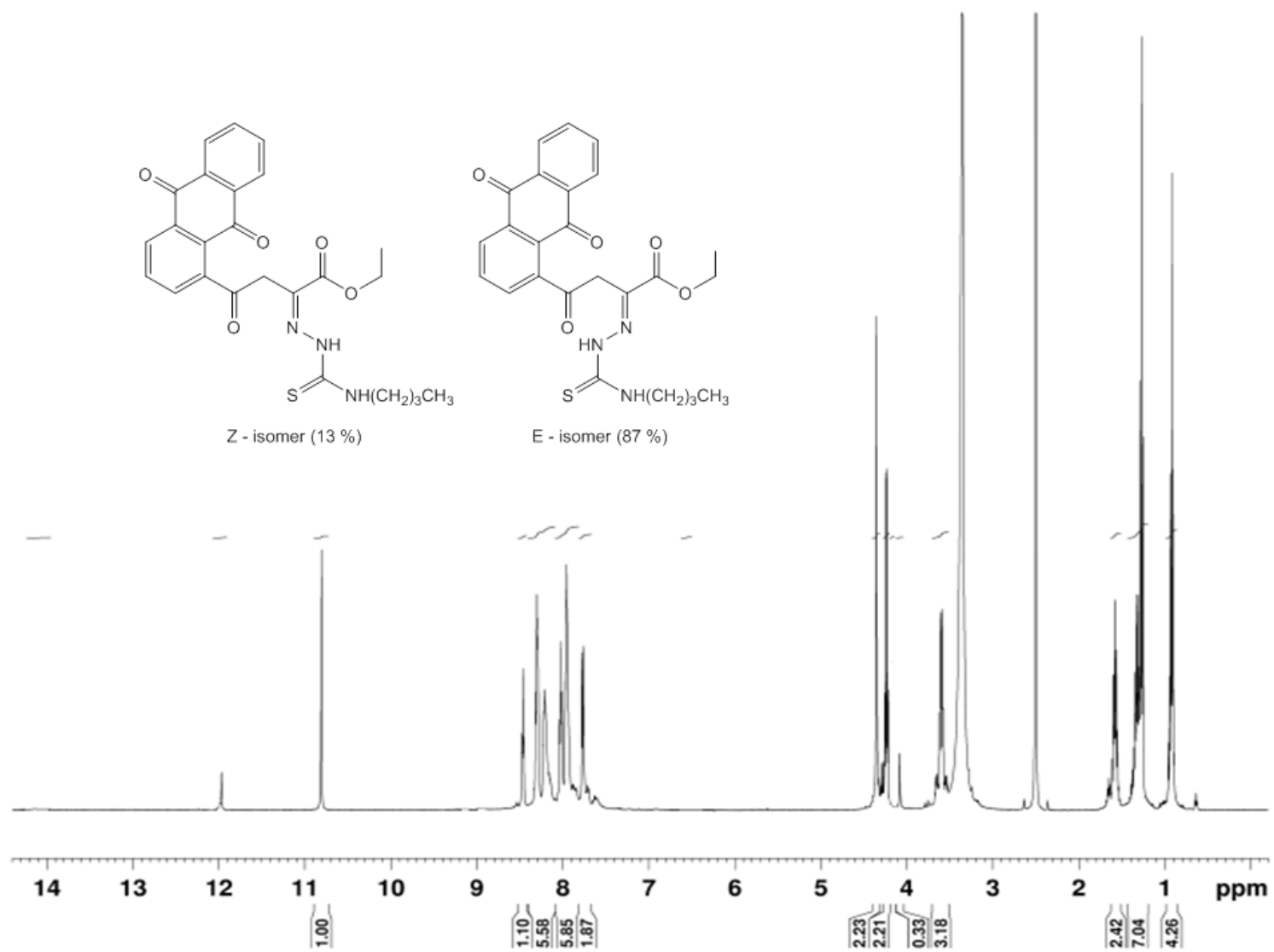


Fig. S13. ¹H NMR spectrum of **5b**.

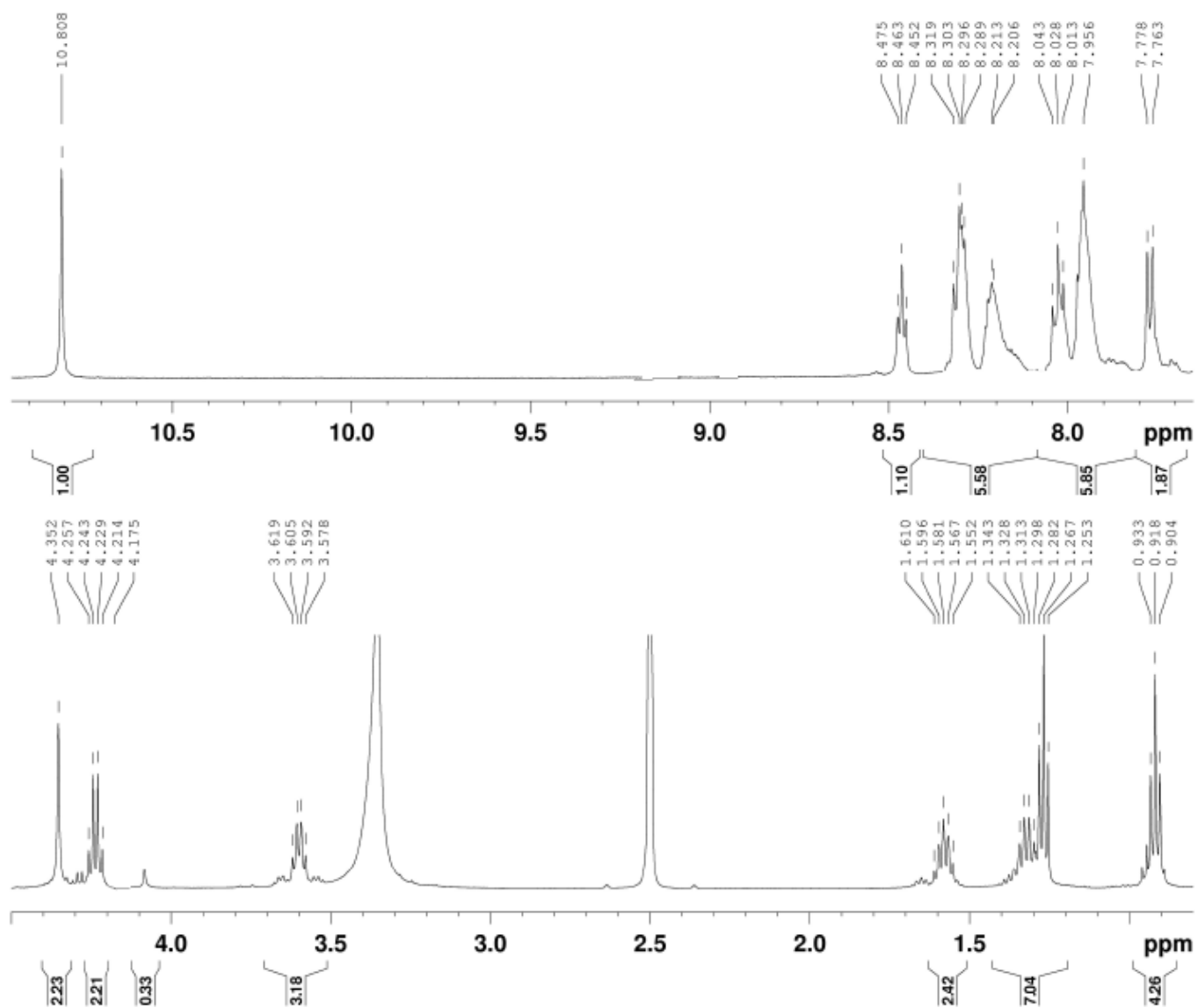


Fig. S14. Expanded ^1H NMR spectrum of **5b**.

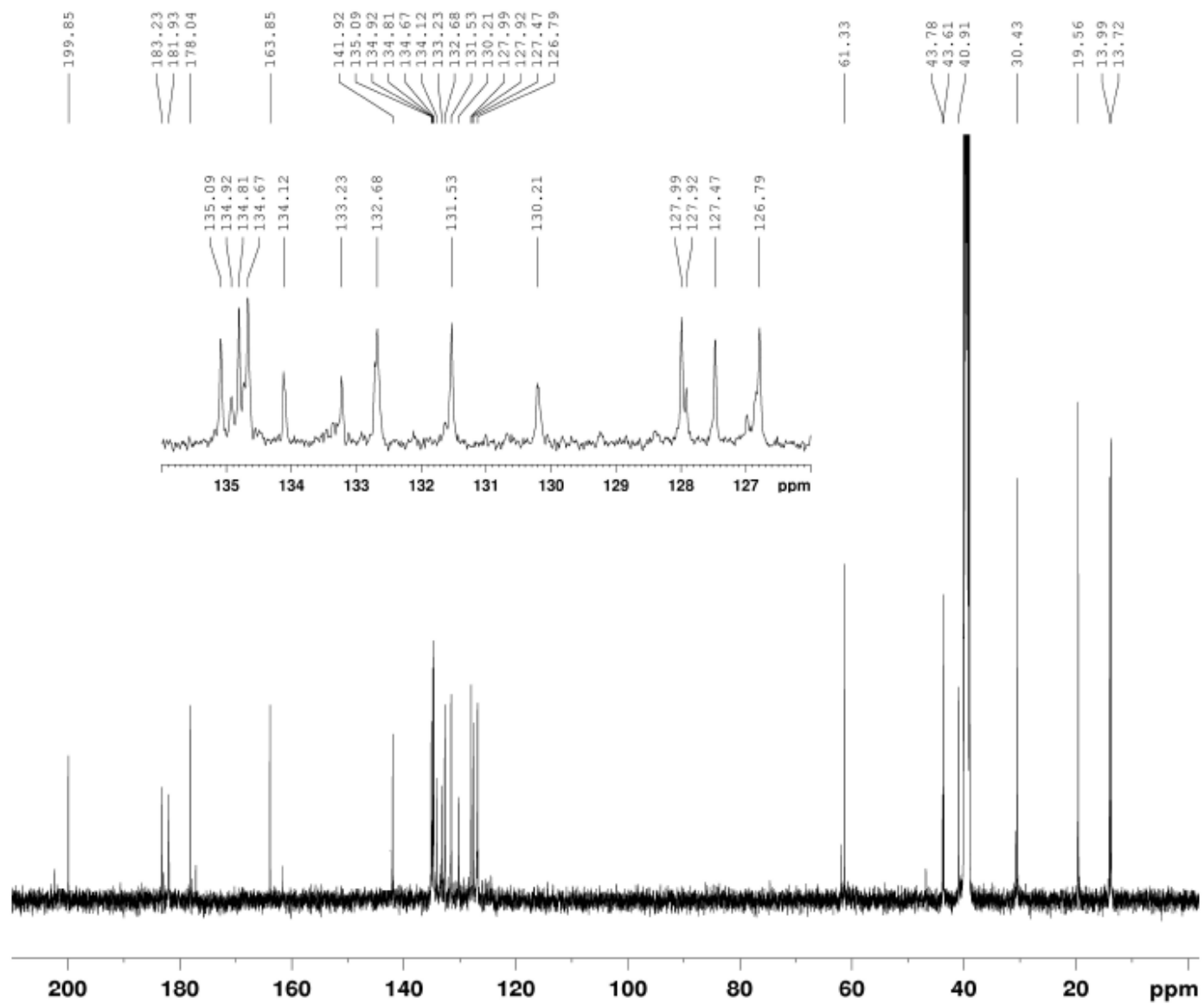


Fig. S15. ^{13}C NMR spectrum of **5b**.

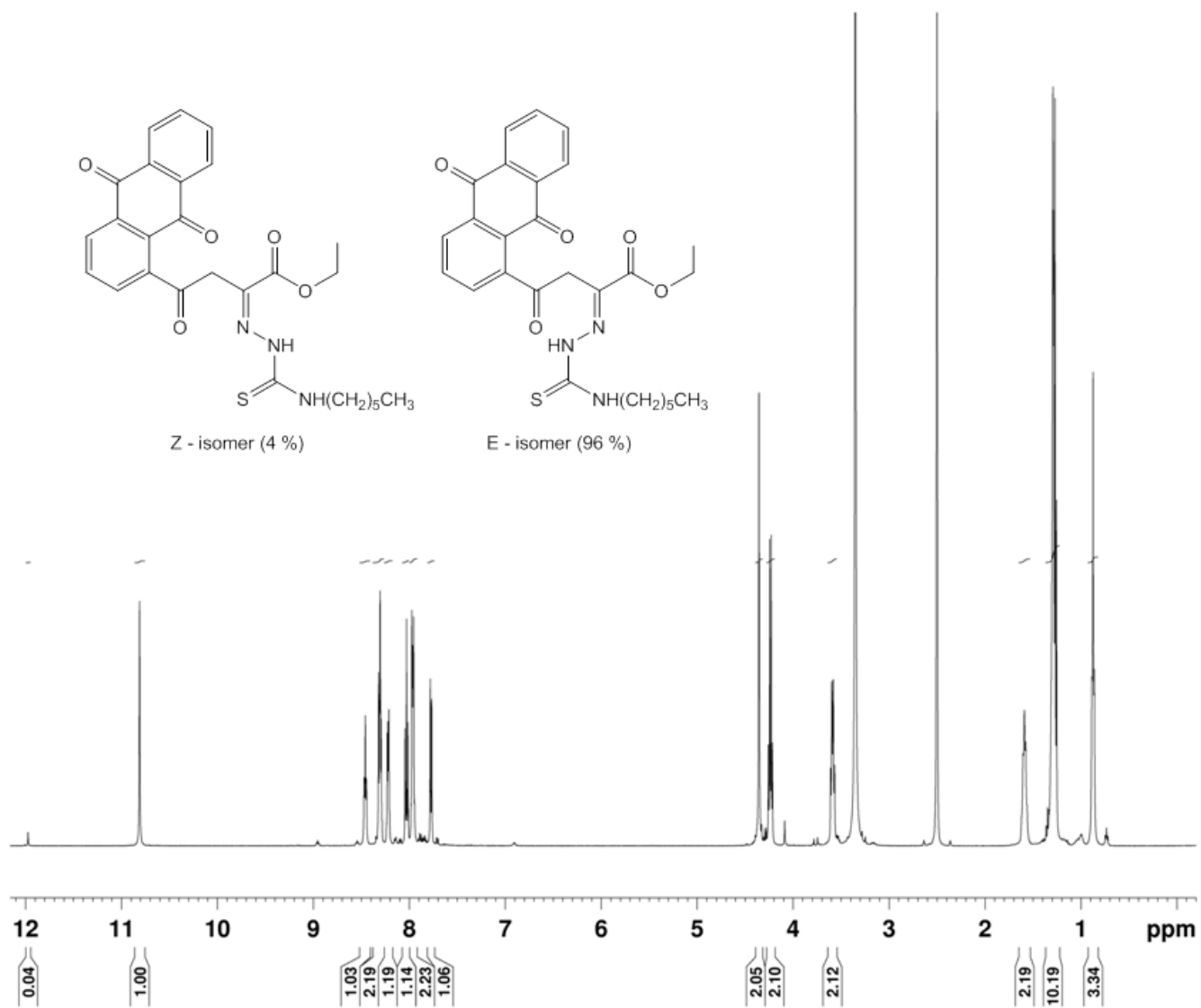


Fig. S16. ¹H NMR spectrum of 5c.

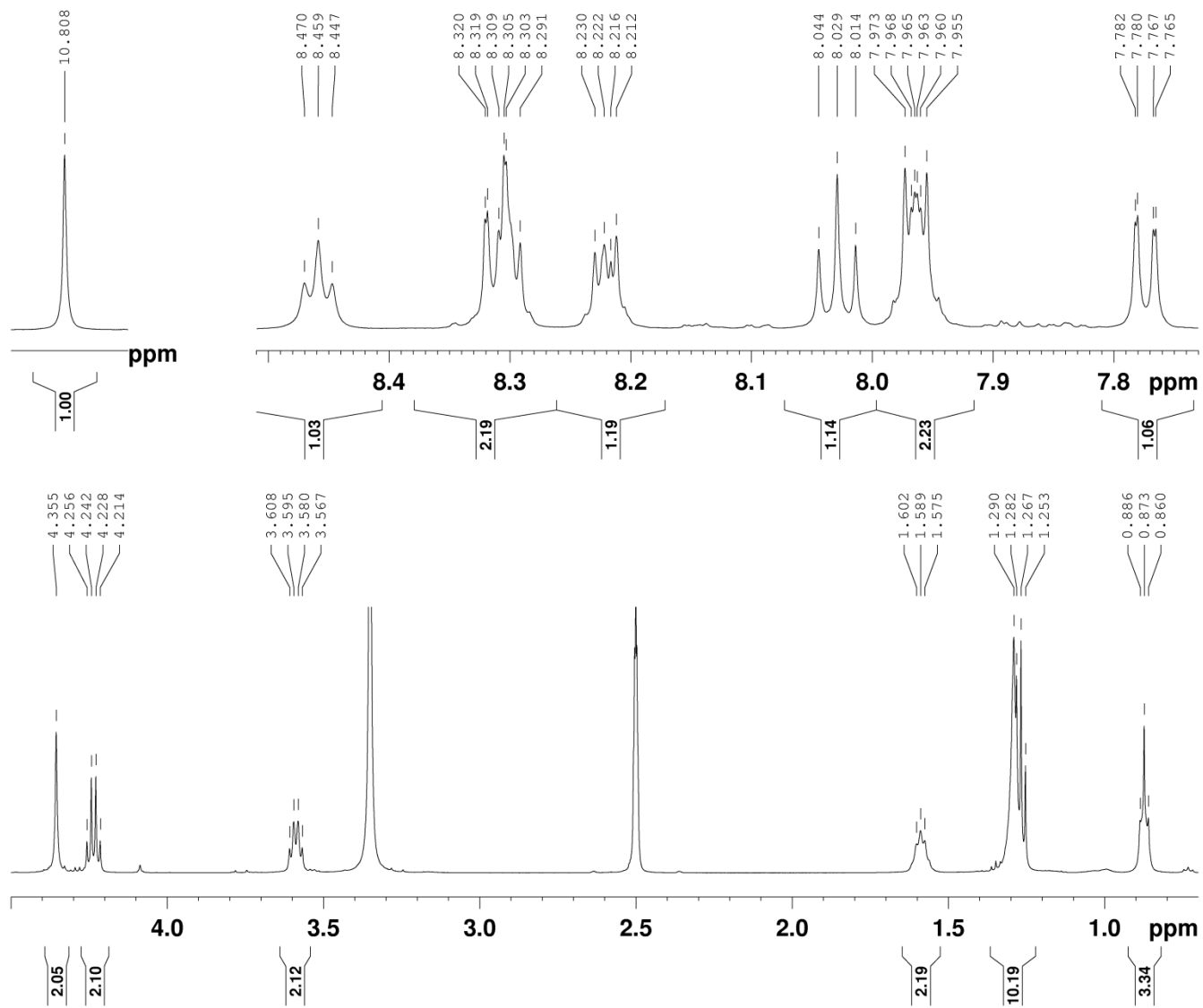


Fig. S17. Expanded ^1H NMR spectrum of **5c**.

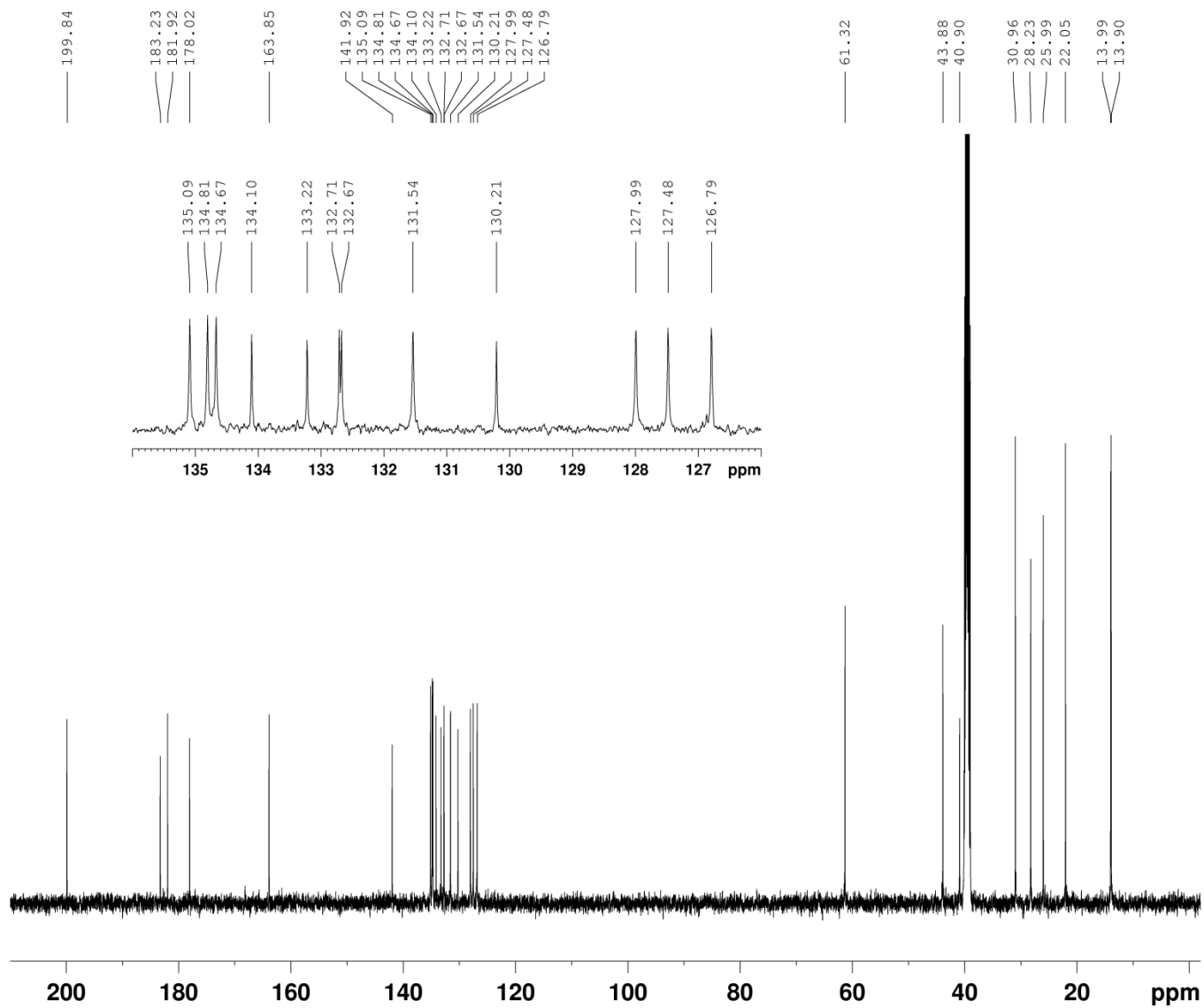


Fig. S18. ^{13}C NMR spectrum of **5c**.

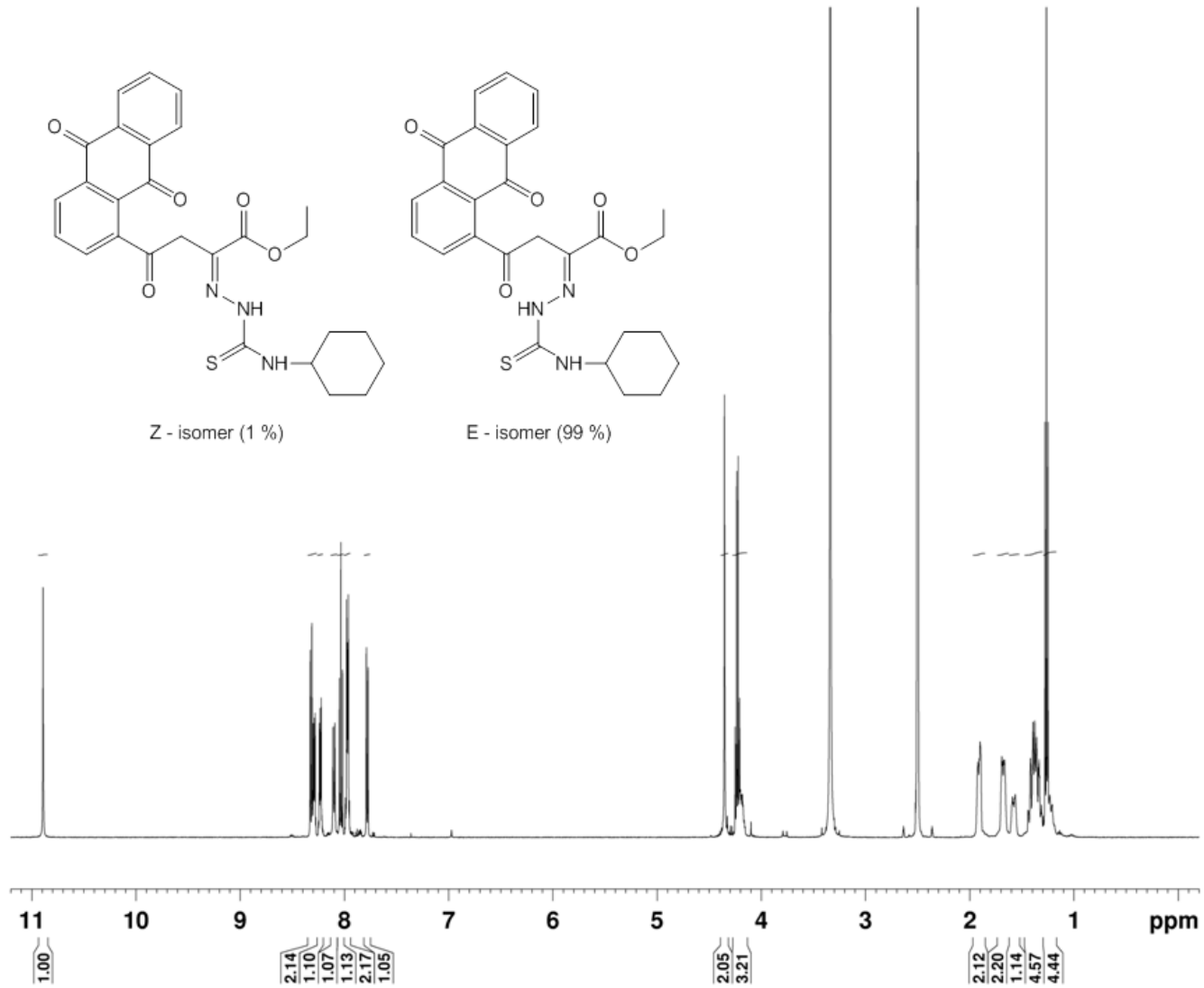


Fig. S19. ¹H NMR spectrum of 5d.

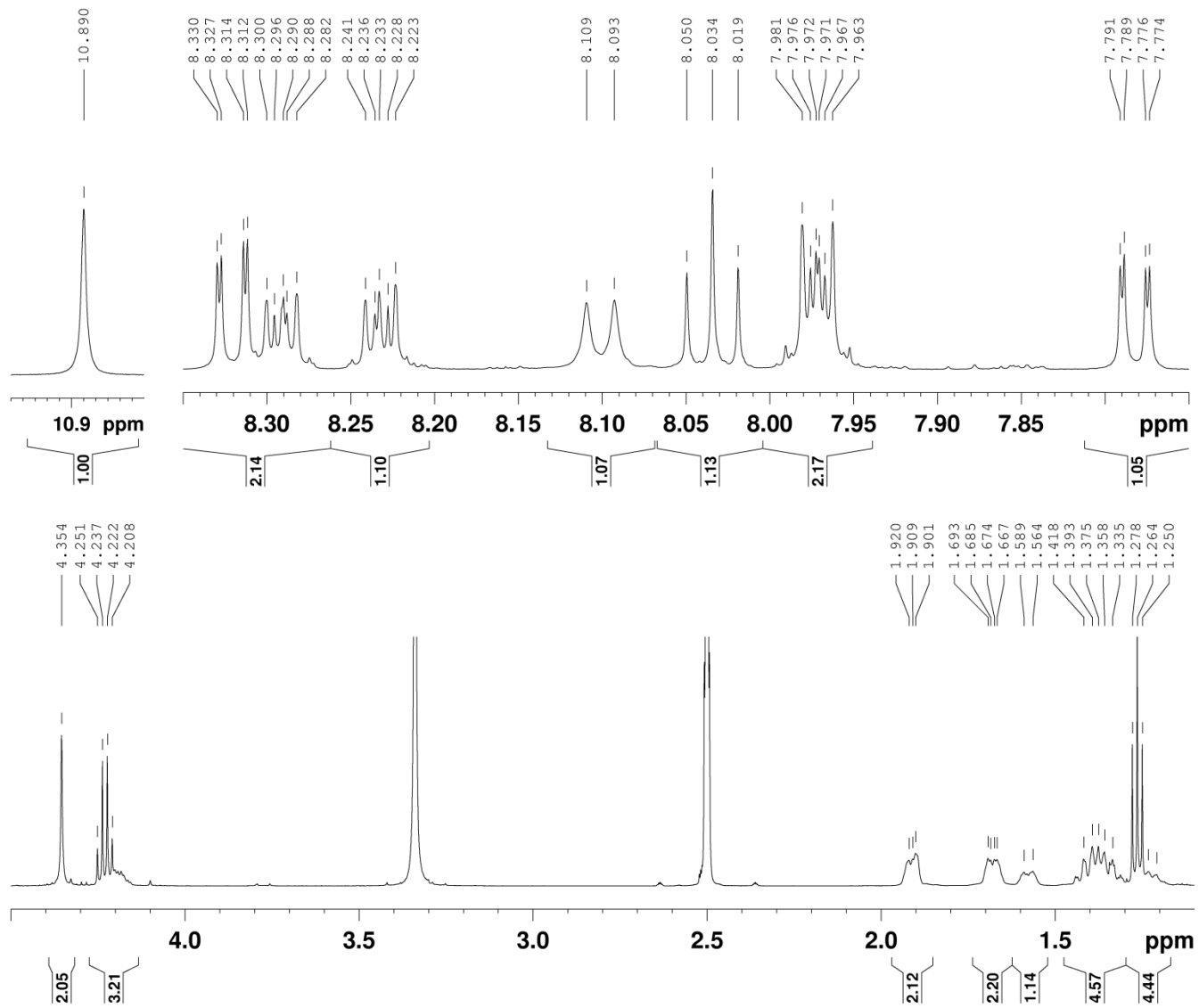


Fig. S20. Expanded ^1H NMR spectrum of **5d**.

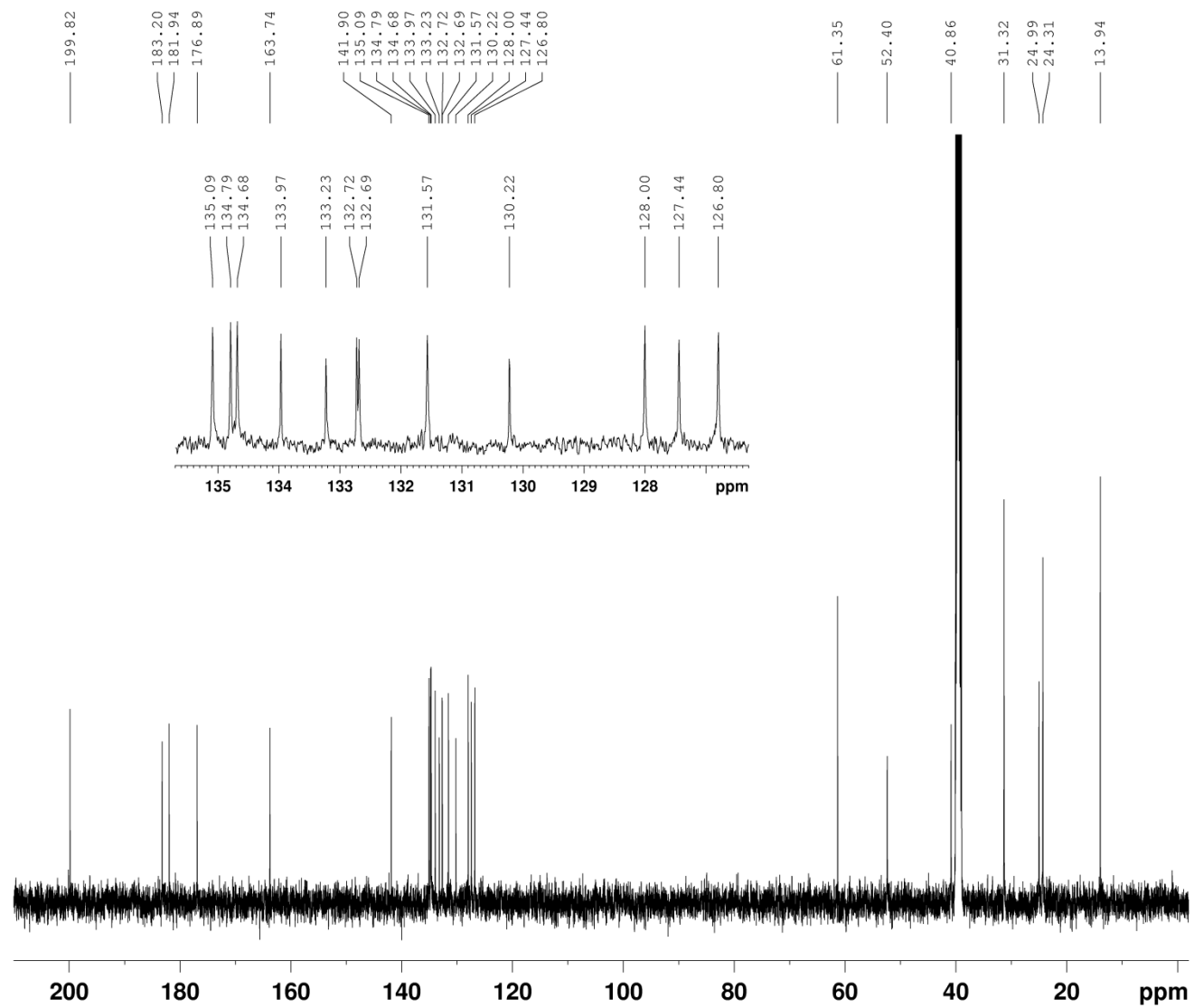


Fig. S21. ^{13}C NMR spectrum of **5d**.

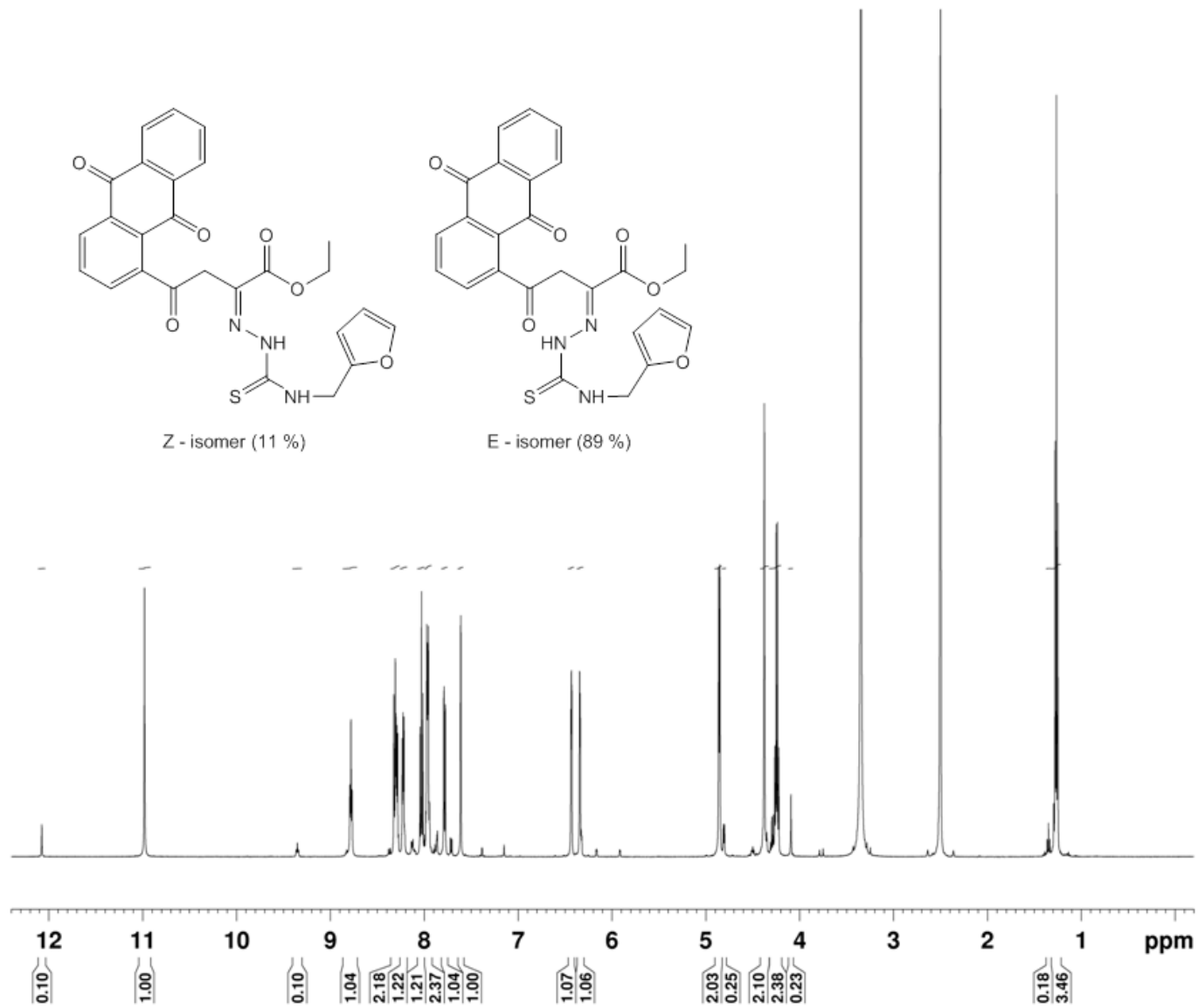


Fig. S22. ¹H NMR spectrum of 5e.

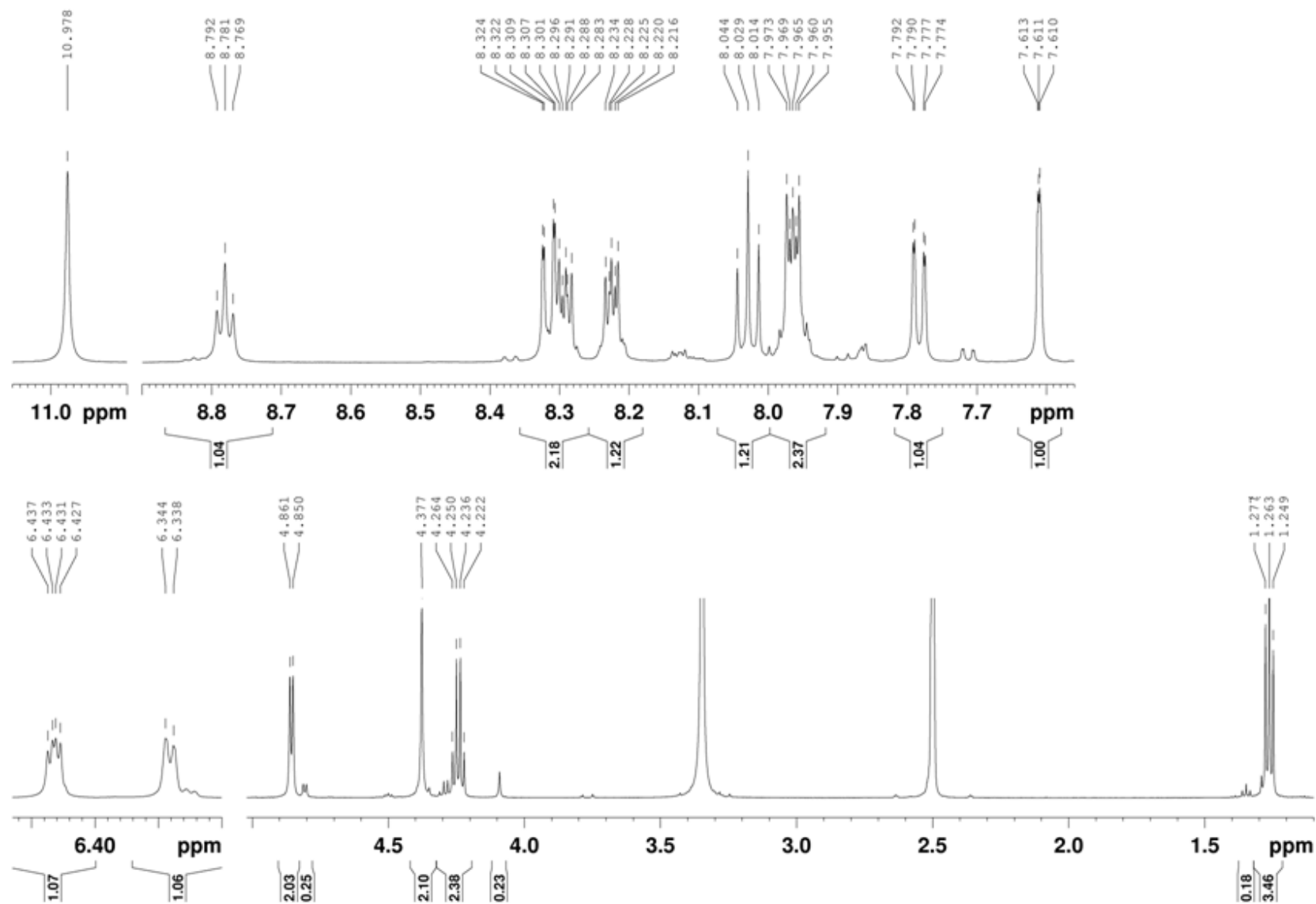


Fig. S23. Expanded ^1H NMR spectrum of **5e**.

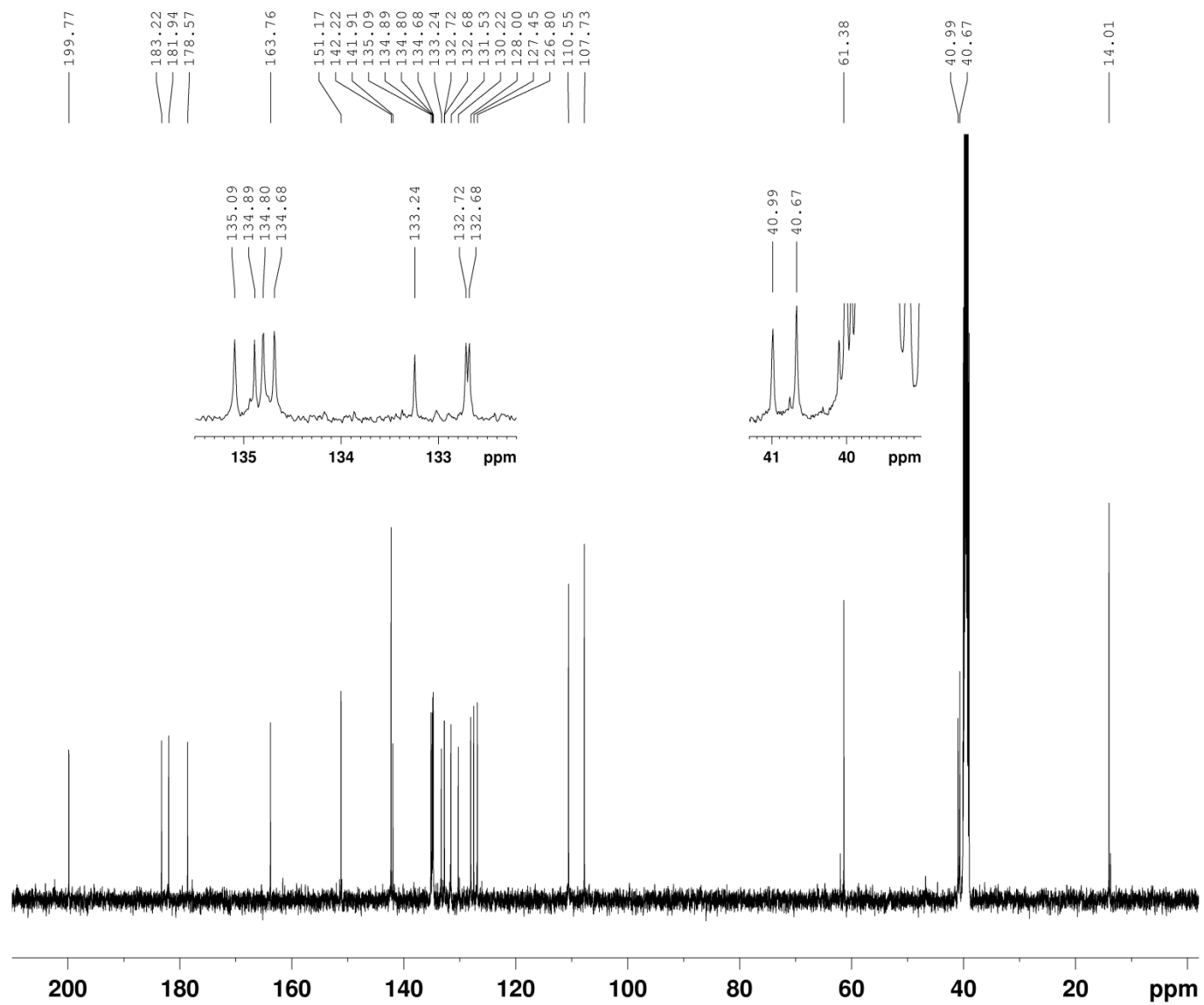


Fig. S24. ^{13}C NMR spectrum of **5e**.

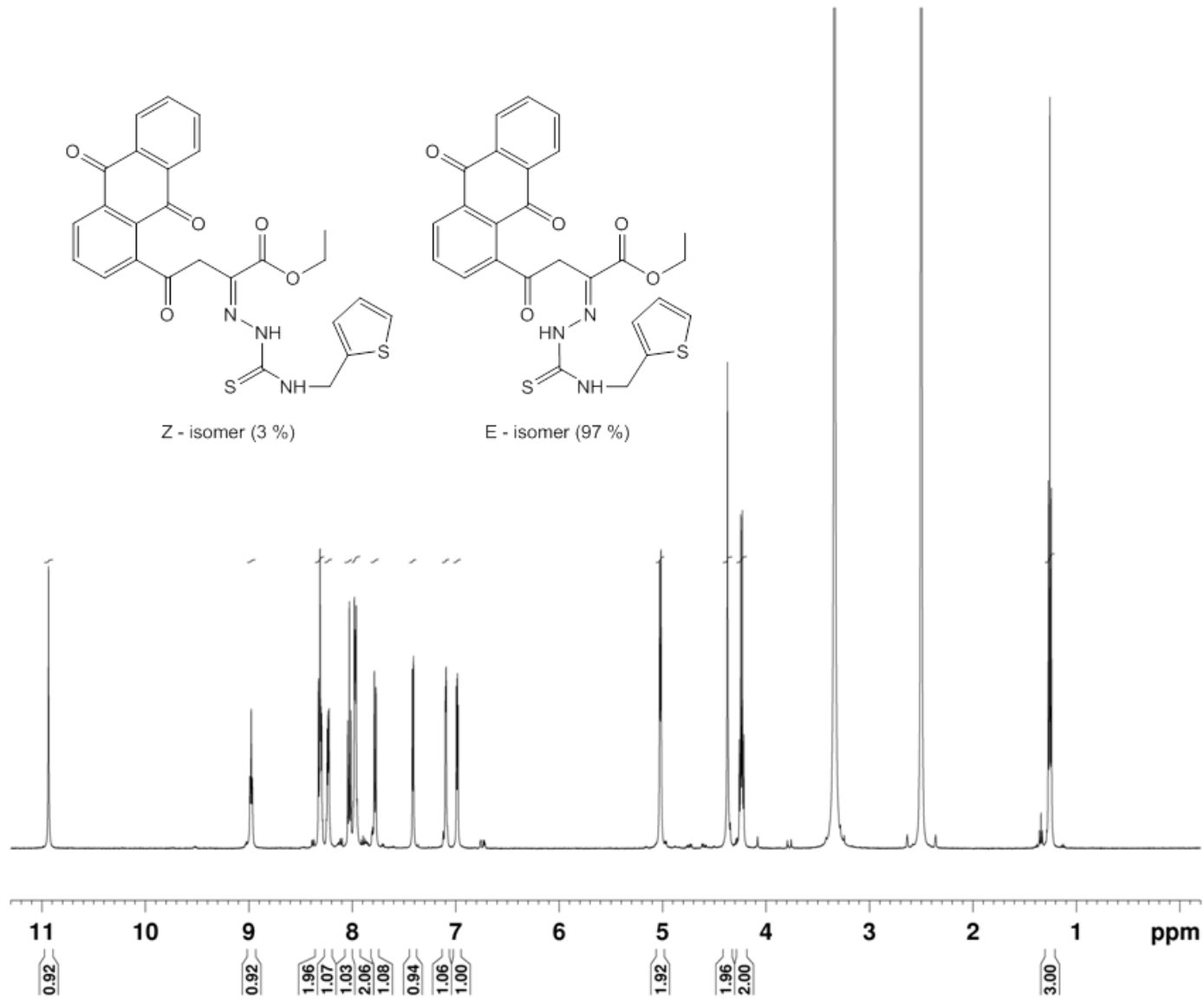


Fig. S25. ¹H NMR spectrum of 5f.

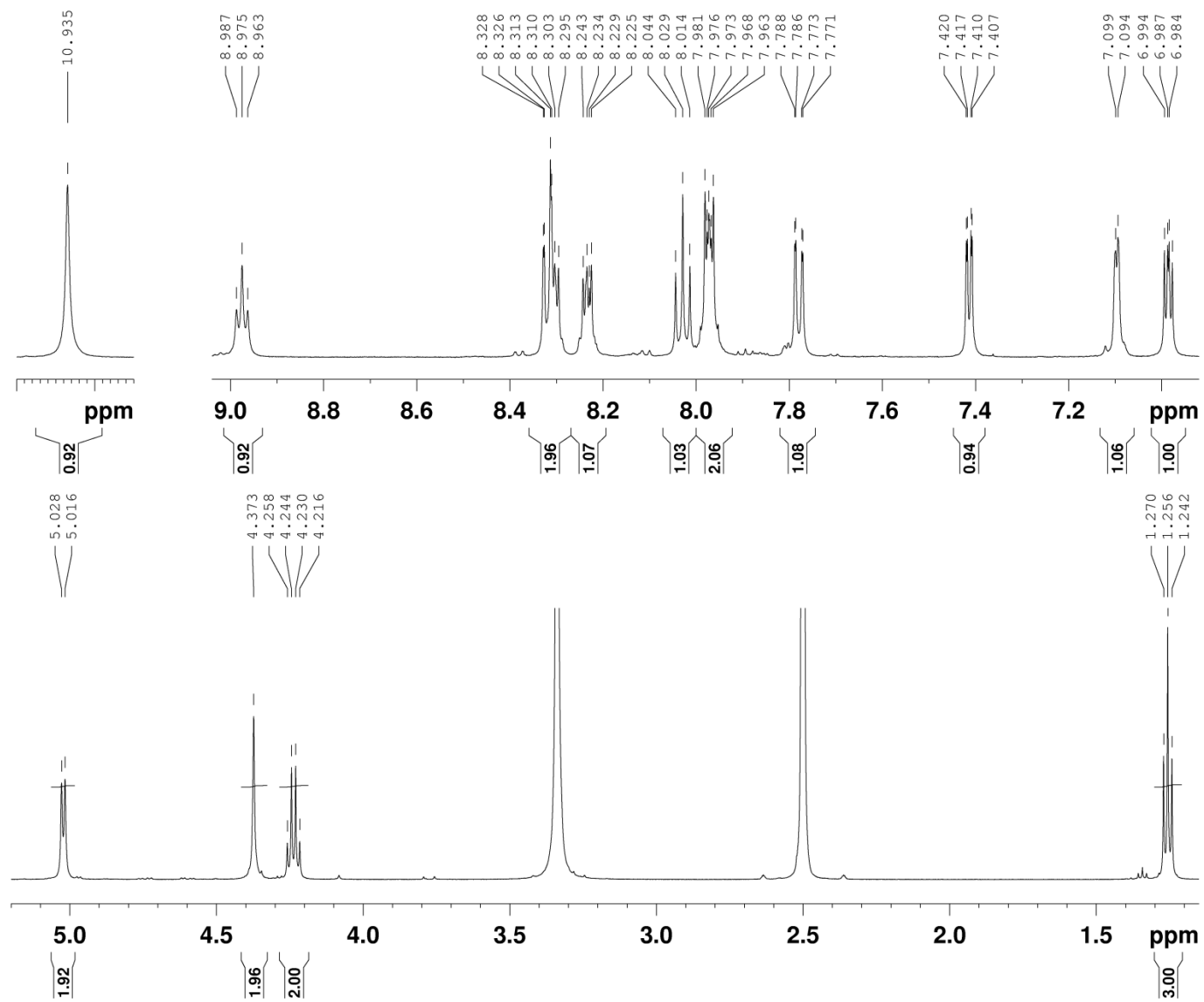


Fig. S26. Expanded ^1H NMR spectrum of **5f**.

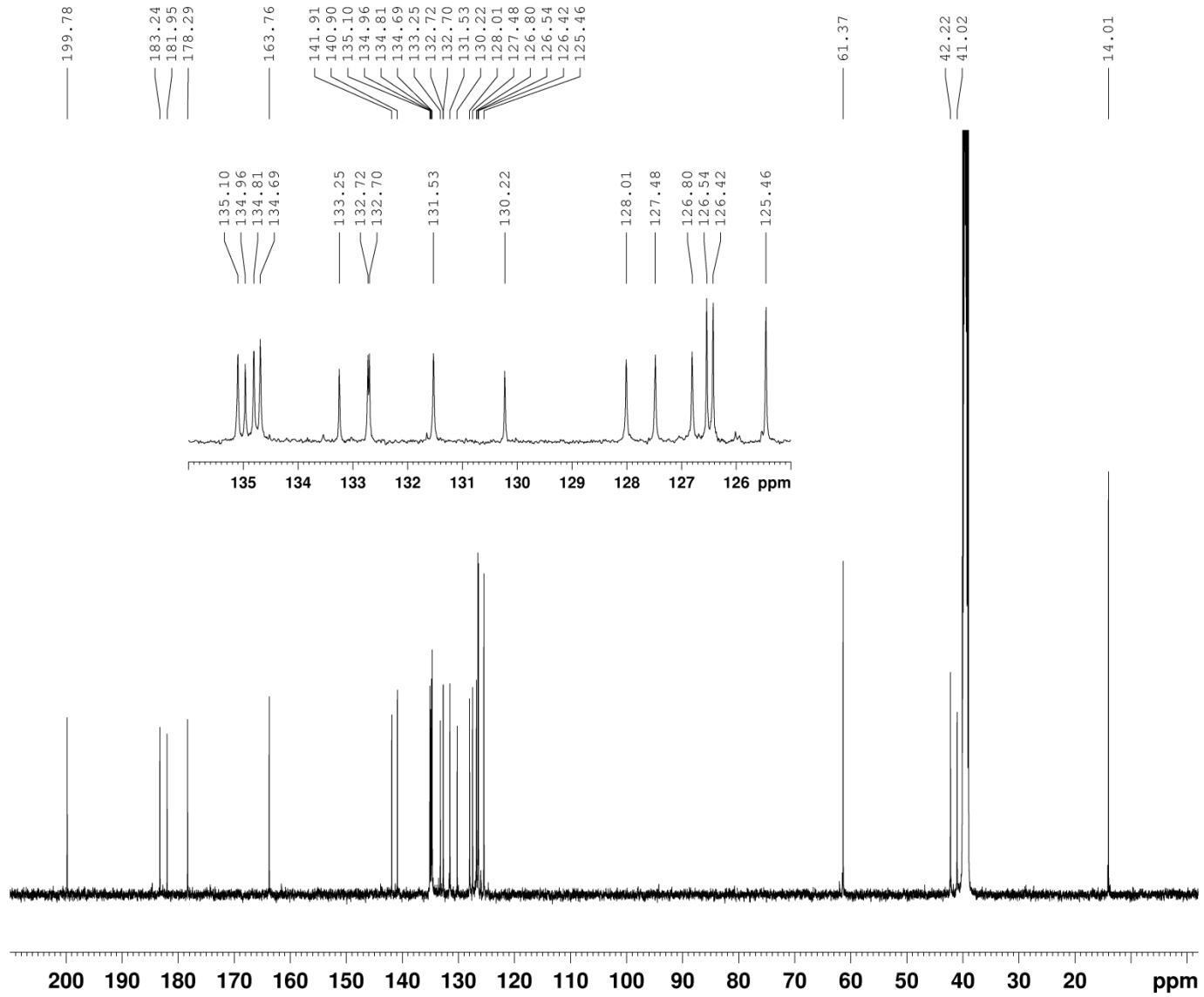


Fig. S27. ^{13}C NMR spectrum of **5f**.

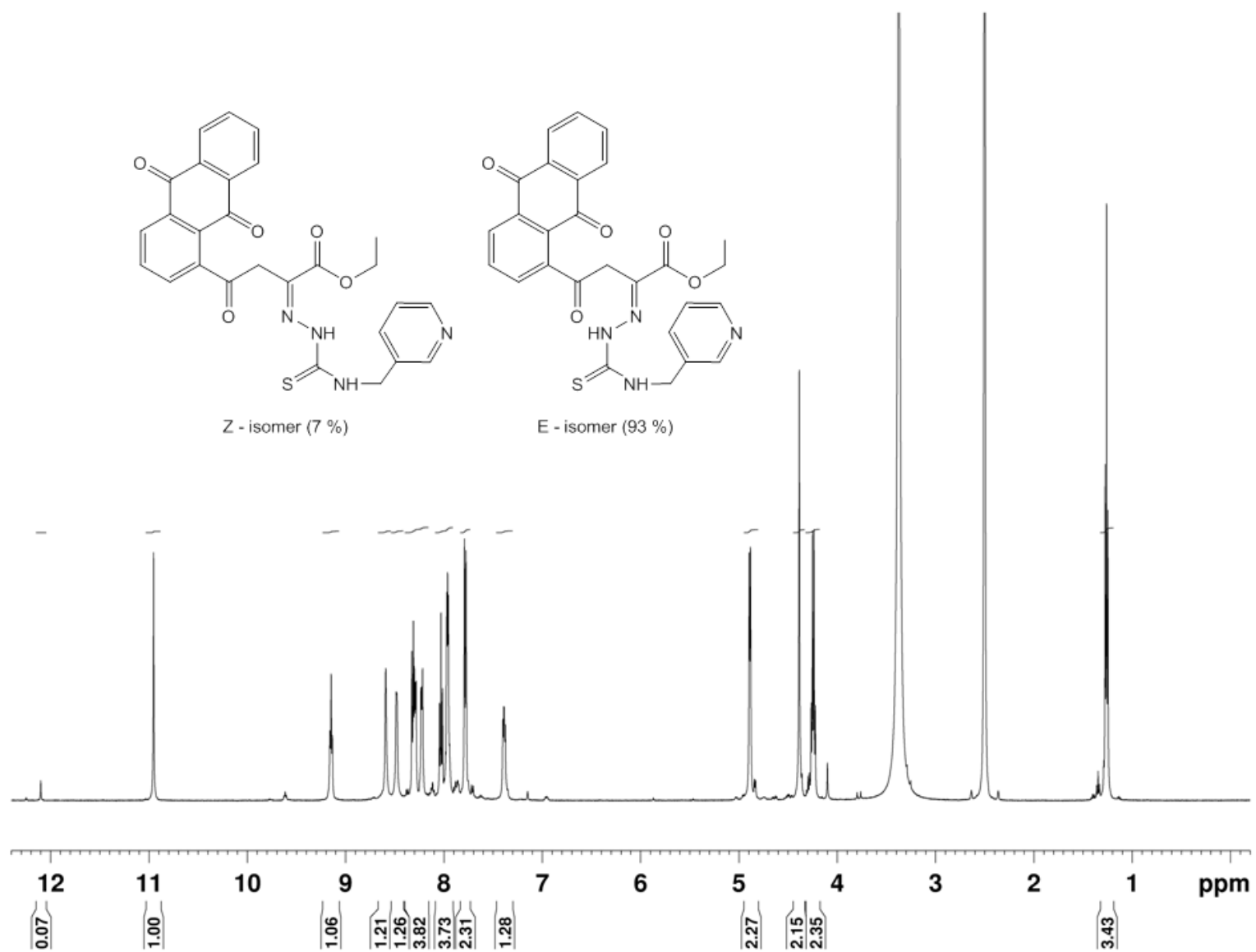


Fig. S28. ¹H NMR spectrum of 5g.

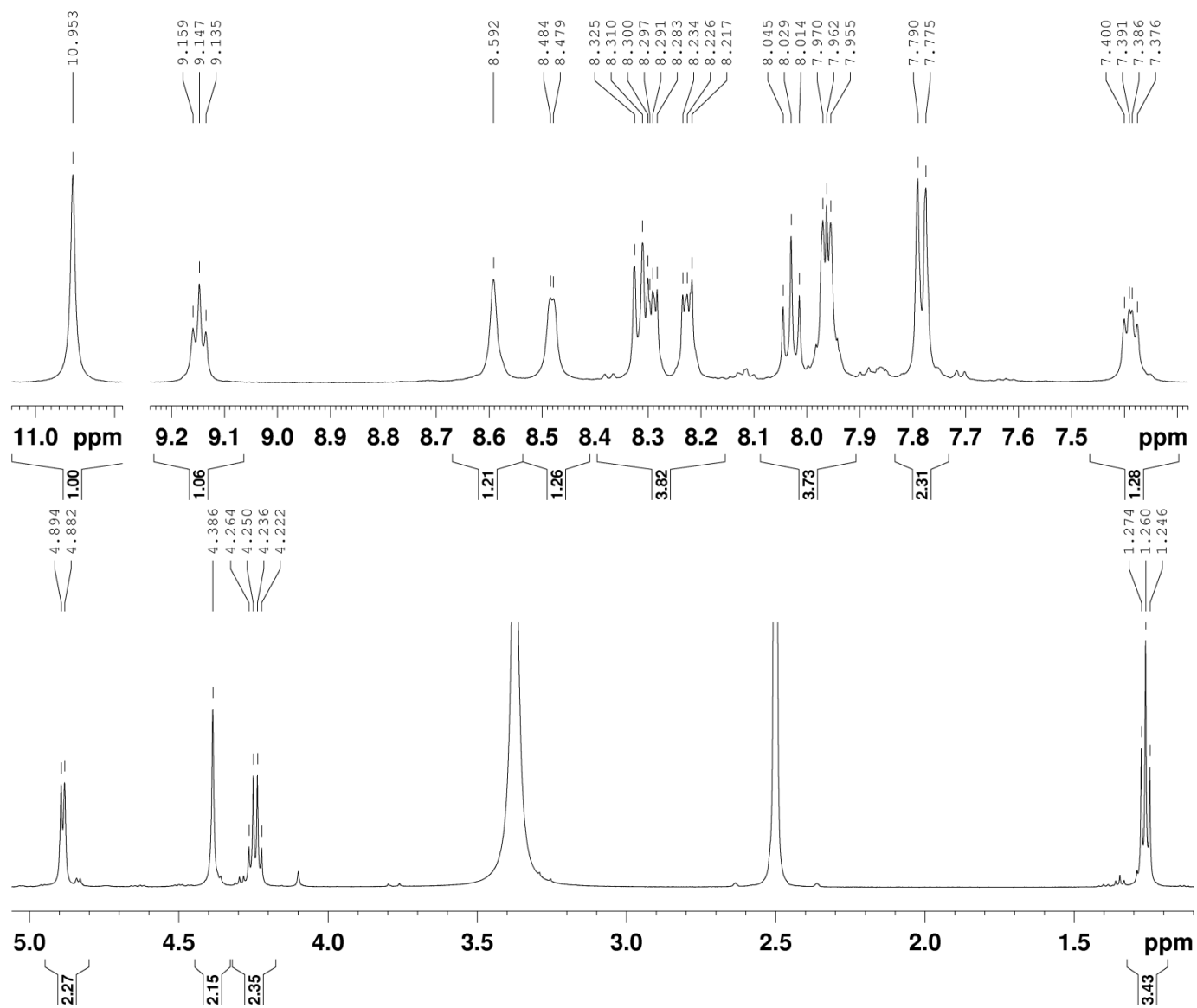


Fig. S29. Expanded ^1H NMR spectrum of **5g**.

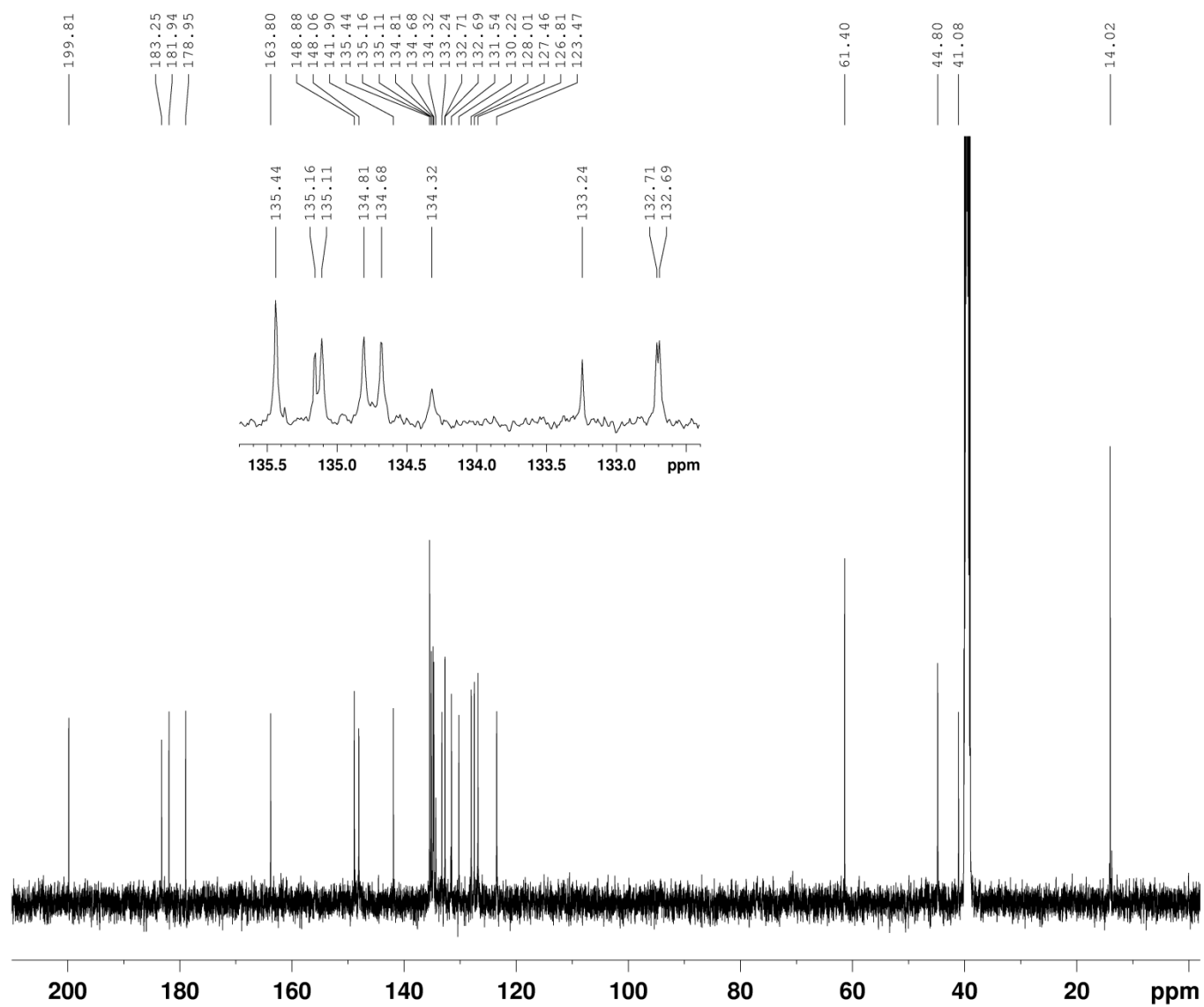


Fig. S30. ^{13}C NMR spectrum of **5g**.

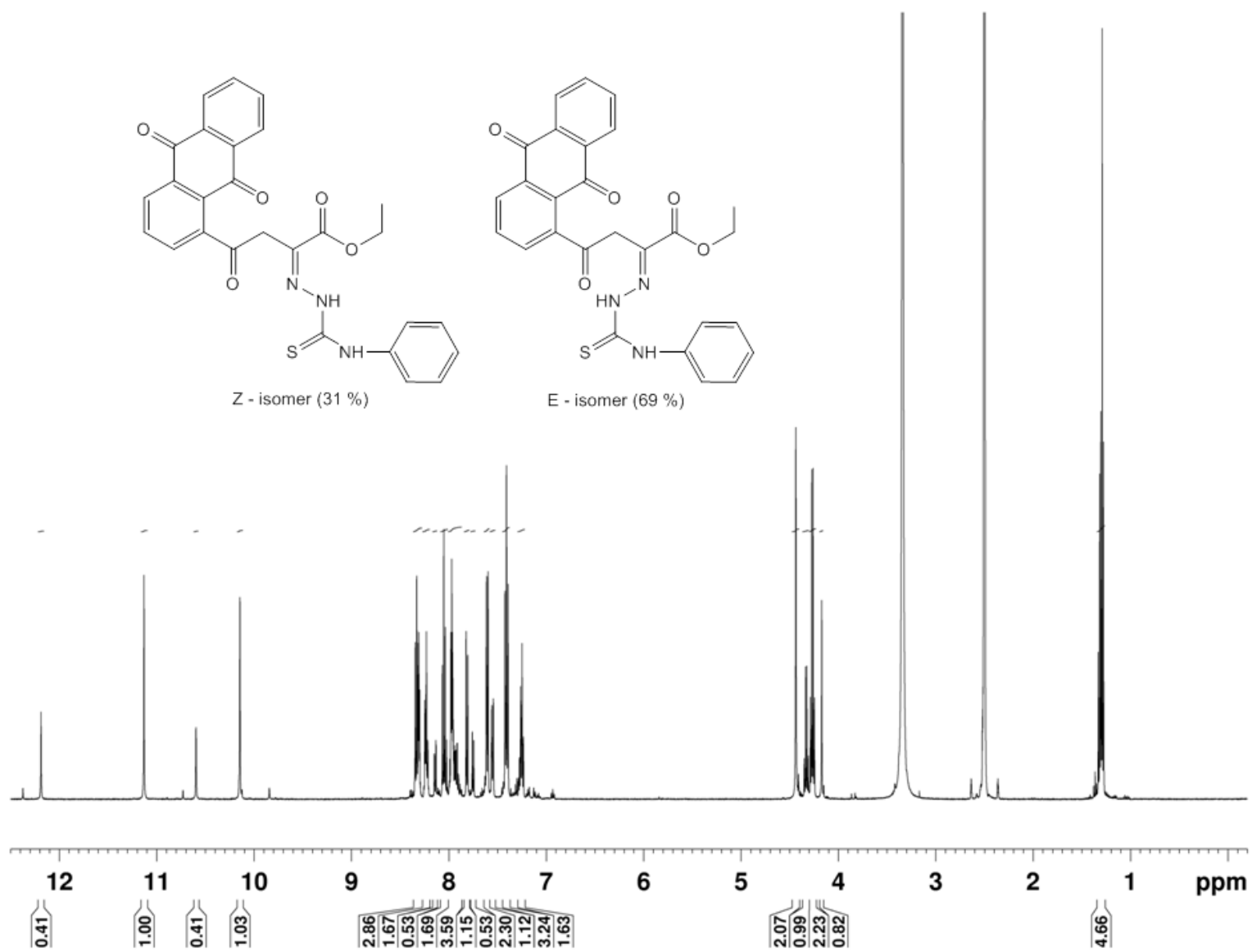


Fig. S31. ¹H NMR spectrum of 5h.

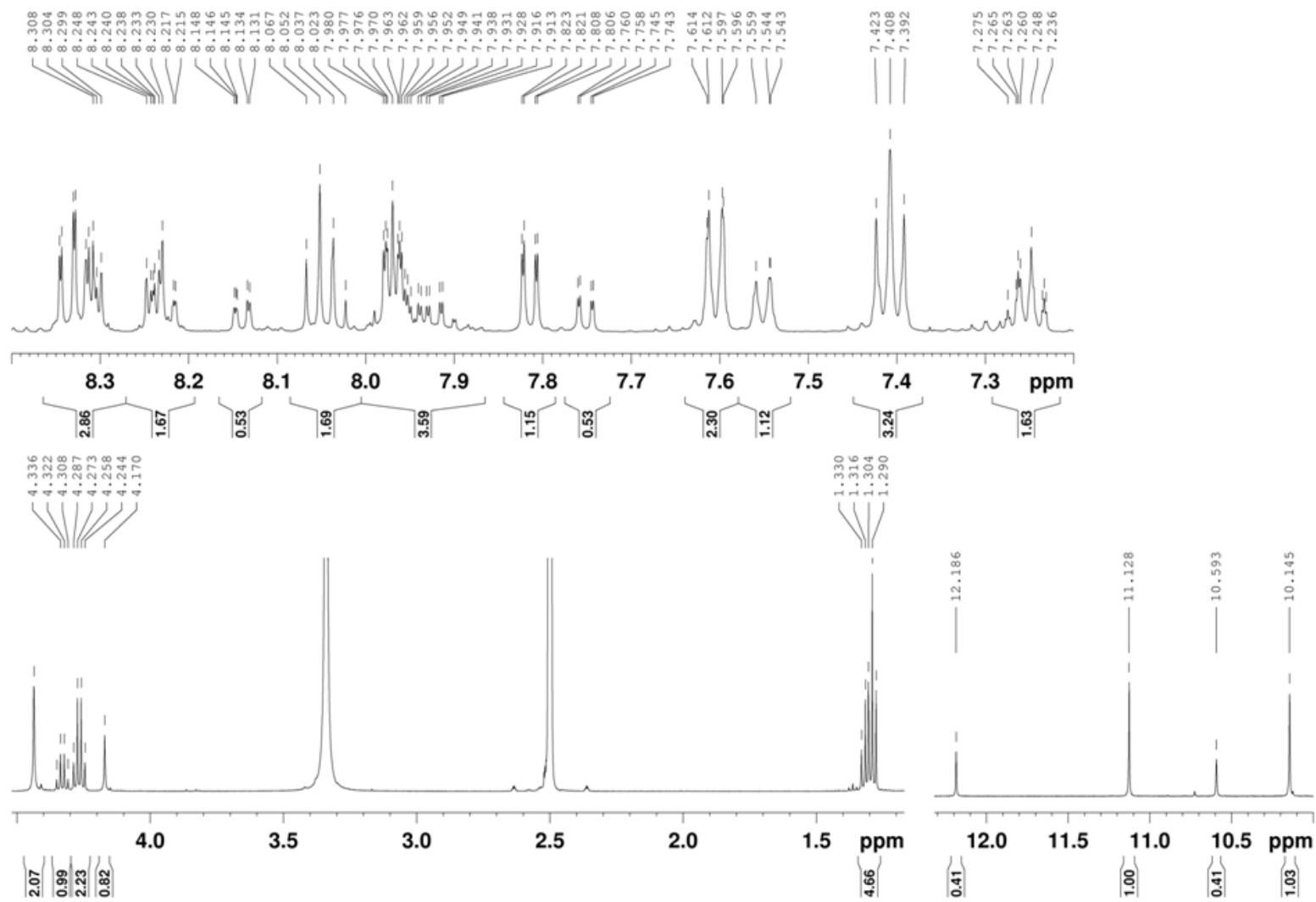


Fig. S32. Expanded ^1H NMR spectrum of **5h**.

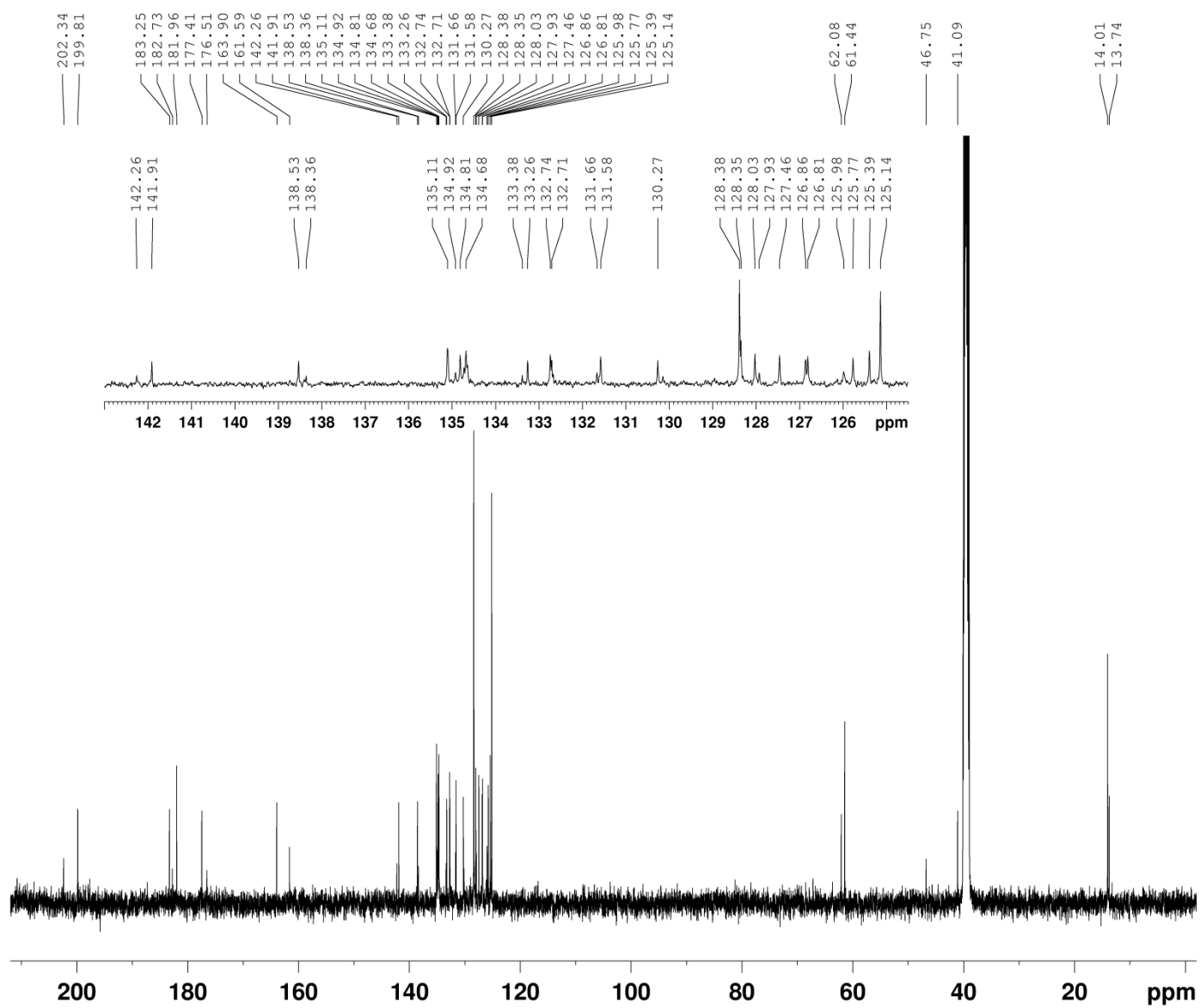


Fig. S33. ^{13}C NMR spectrum of **5h**.

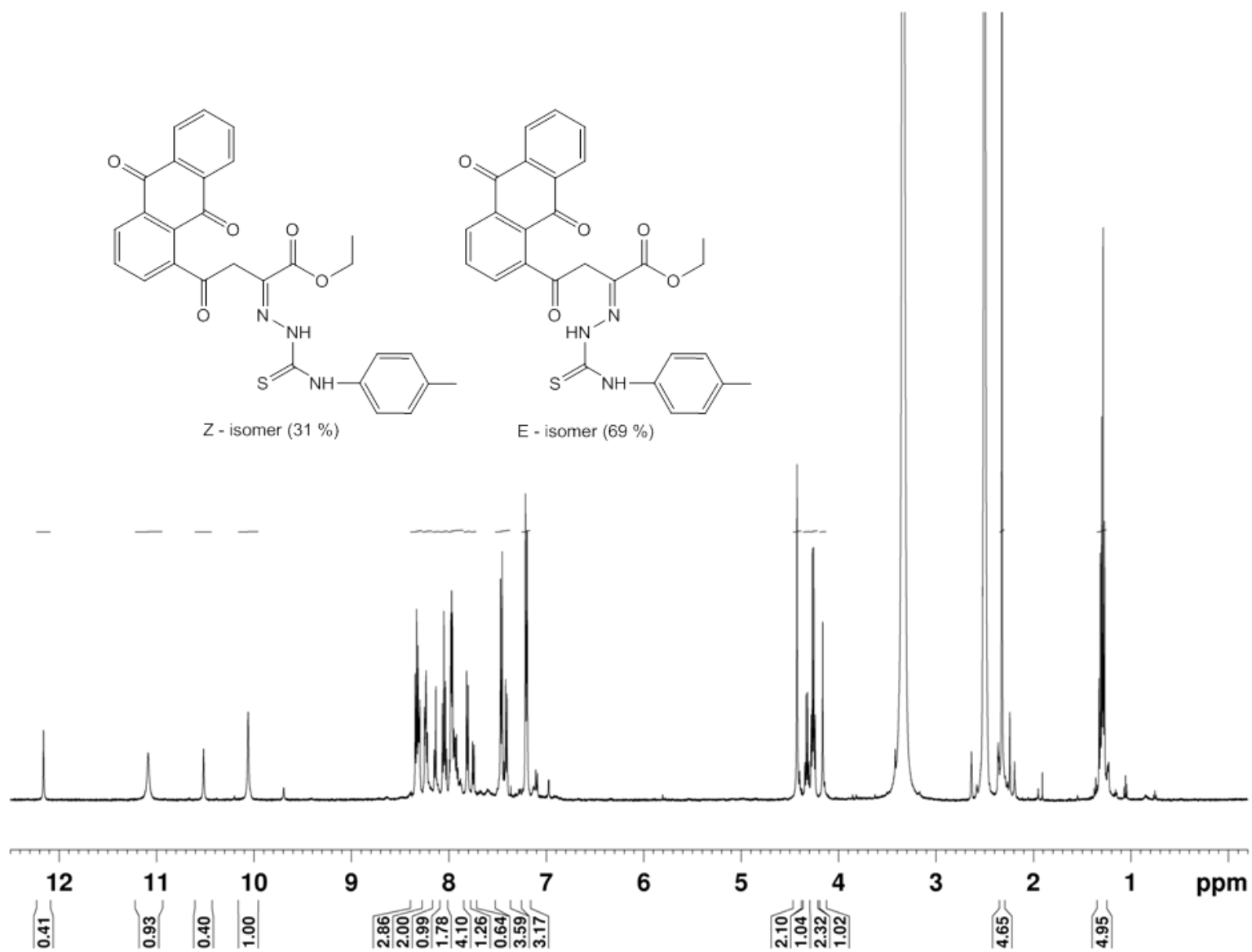


Fig. S34. ¹H NMR spectrum of **5i**.

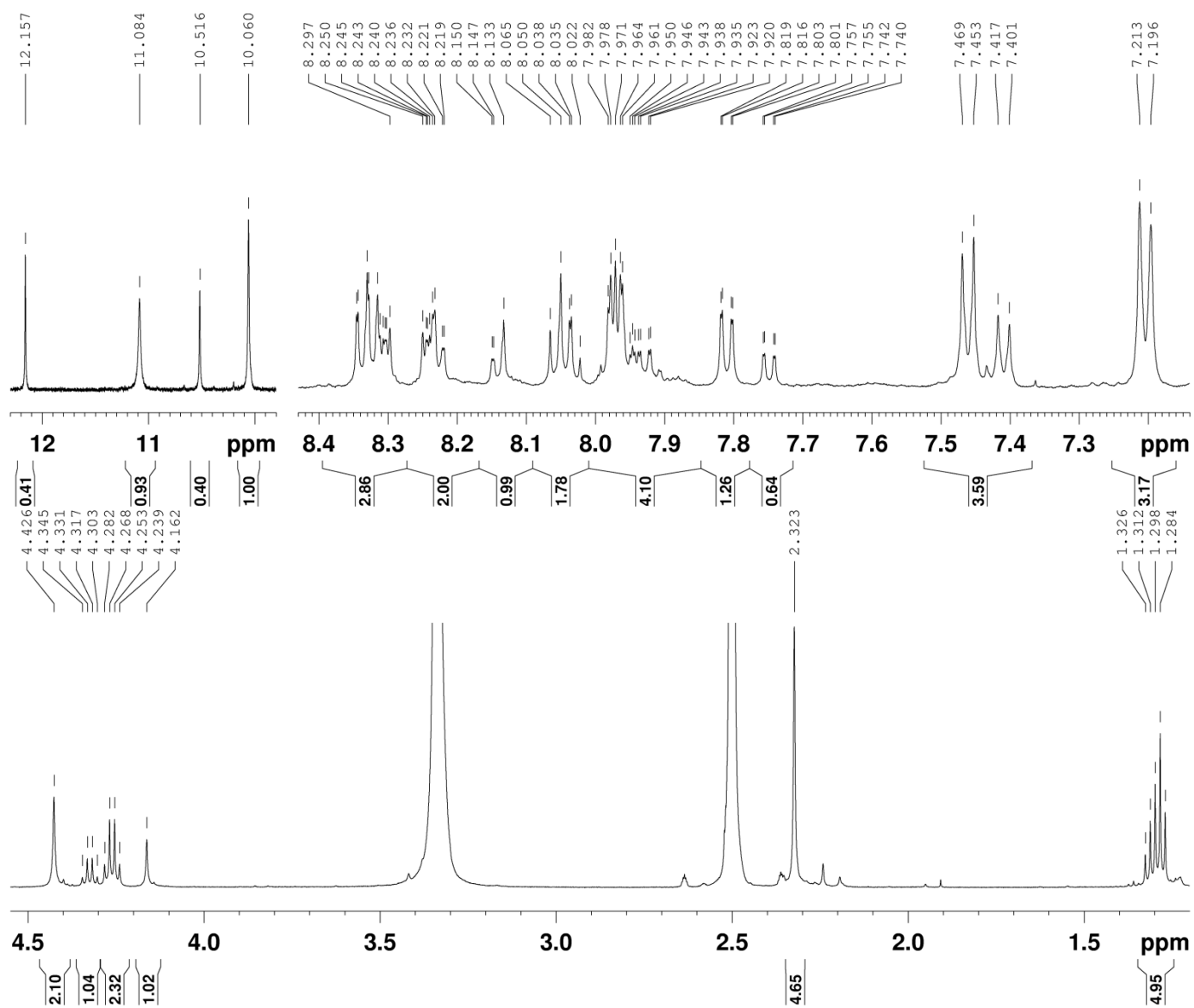


Fig. S35. Expanded ^1H NMR spectrum of **5i**.

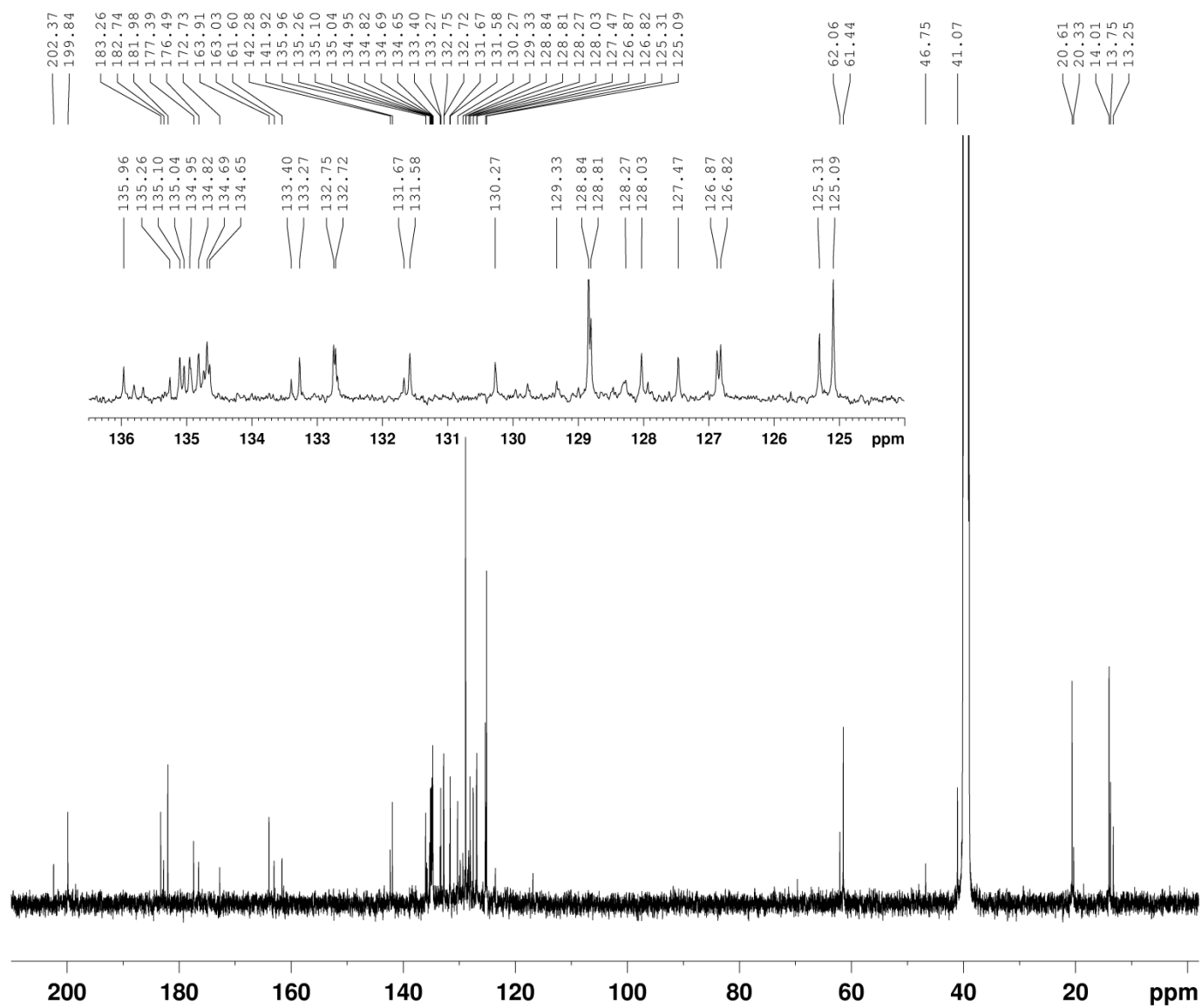


Fig. S36. ^{13}C NMR spectrum of **5i**.