

Supplementary information

^1H and ^{13}C NMR spectra of compounds **3a-l** and **5a-n, 5m', 5n'**

S2

NOESY correlation of compounds **5m, 5m', 5n, 5n'**

S25

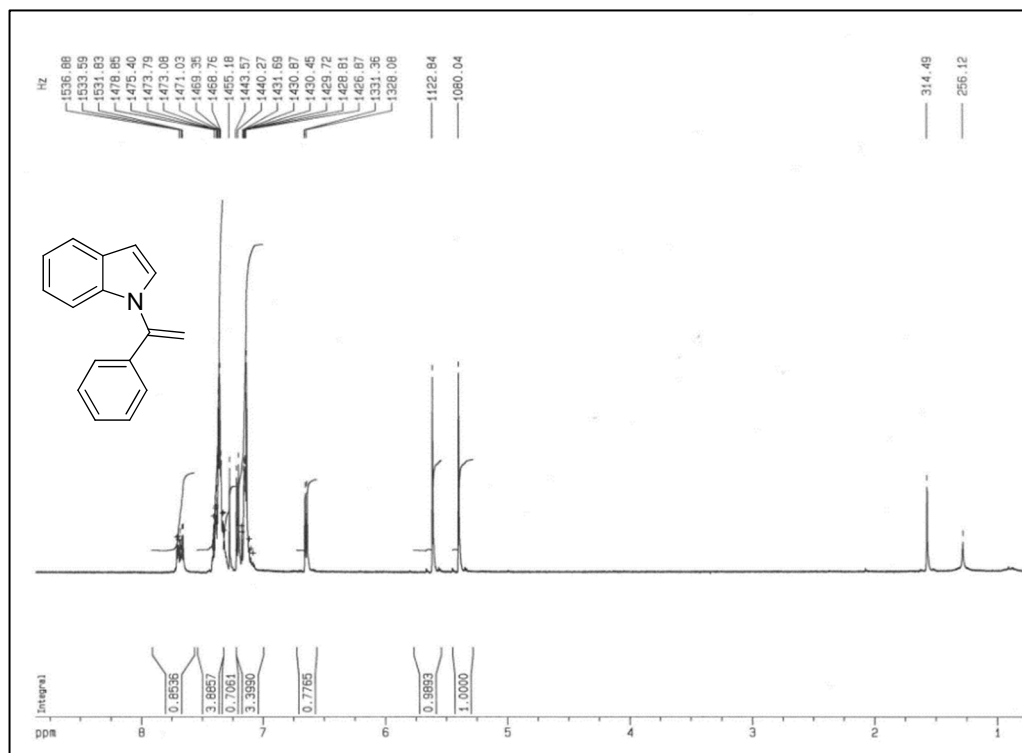


Figure S1. ¹H spectrum of compound **3a**²⁴ in CDCl₃.

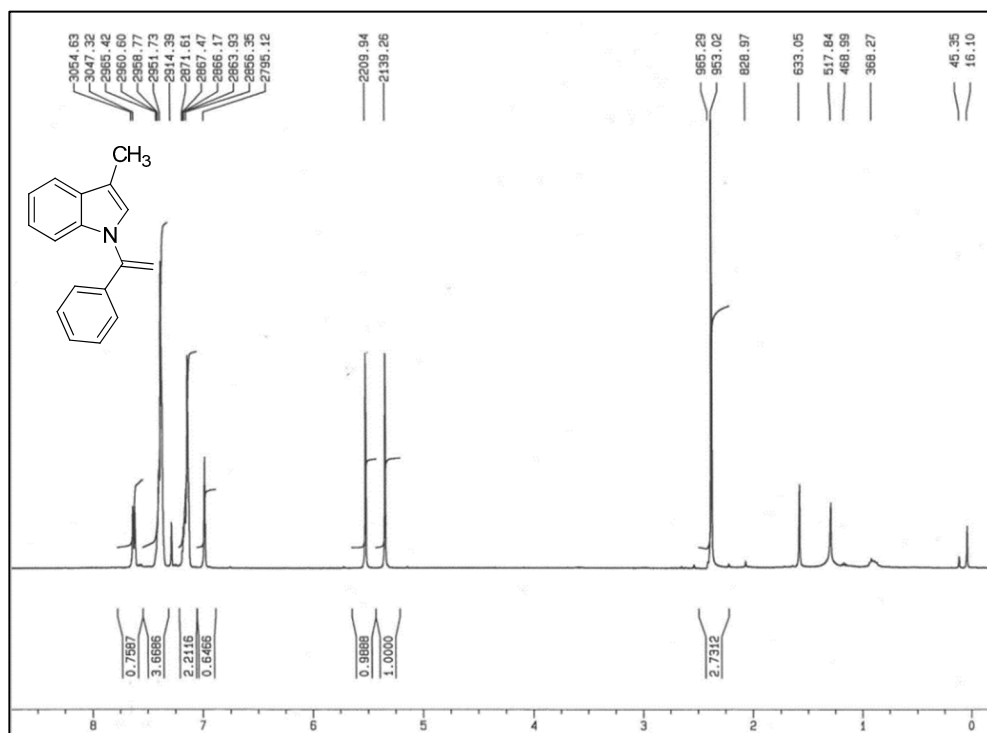


Figure S2. ¹H spectrum of compound **3b**²⁴ in CDCl₃.

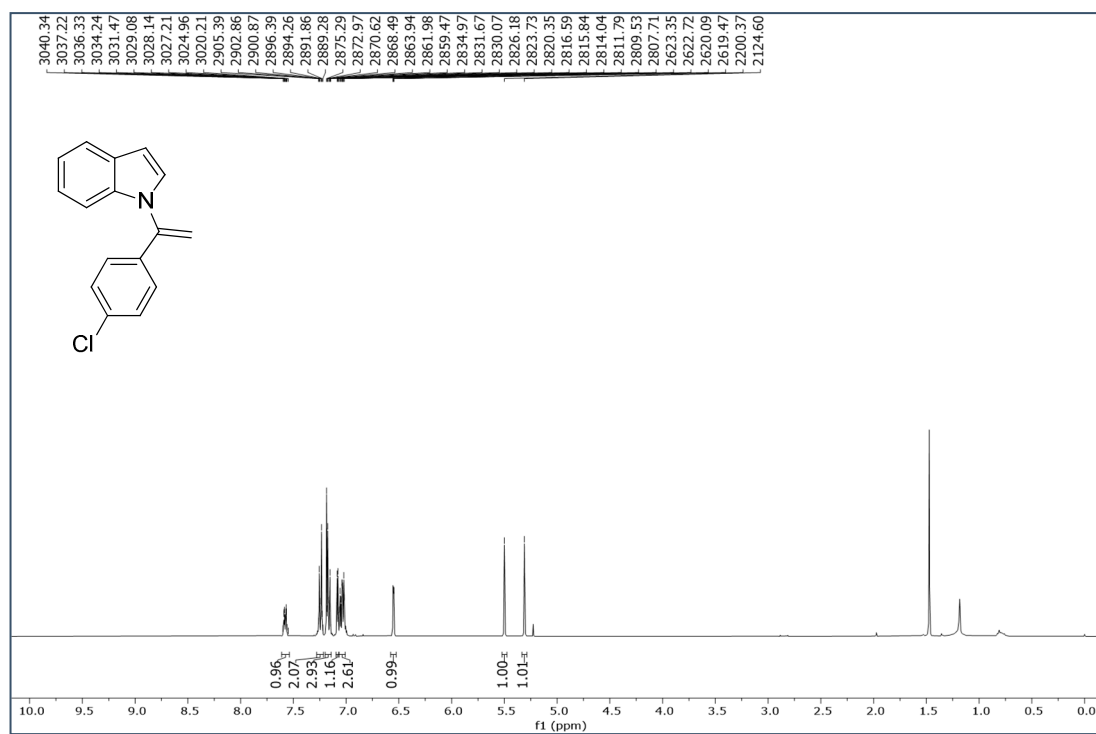


Figure S3. ¹H spectrum of compound **3c¹⁶** in CDCl₃.

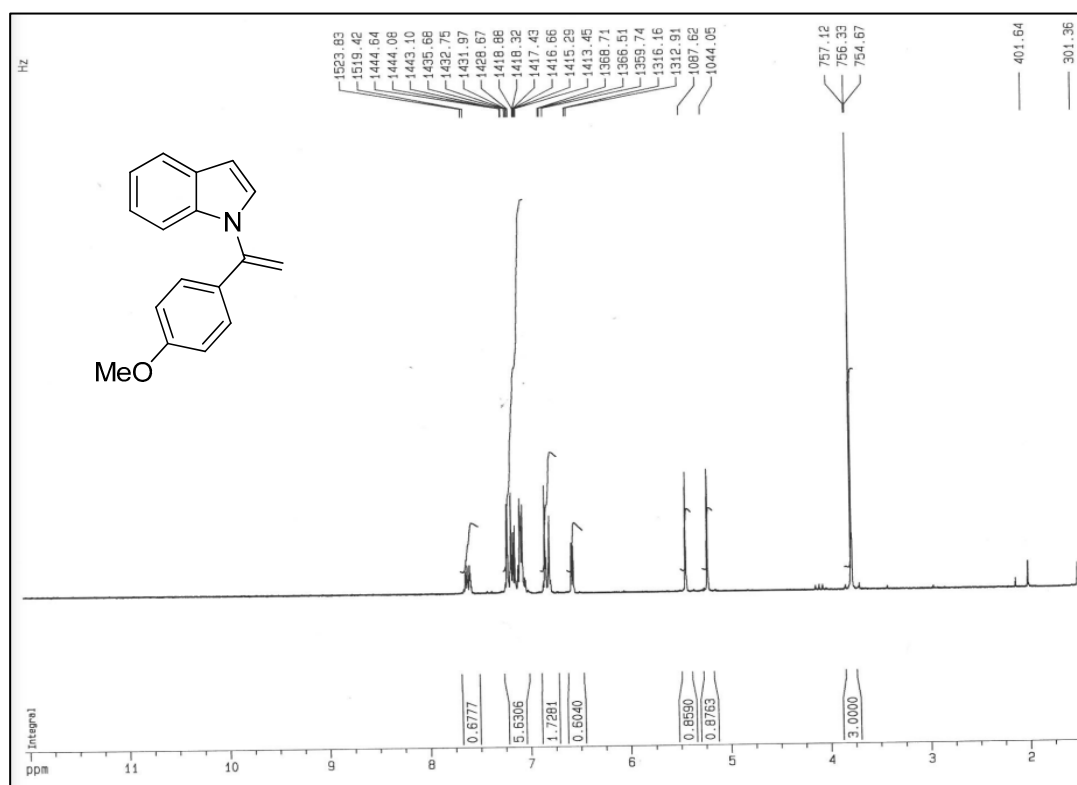


Figure S4. ¹H spectrum of compound **3d²⁴** in CDCl₃.

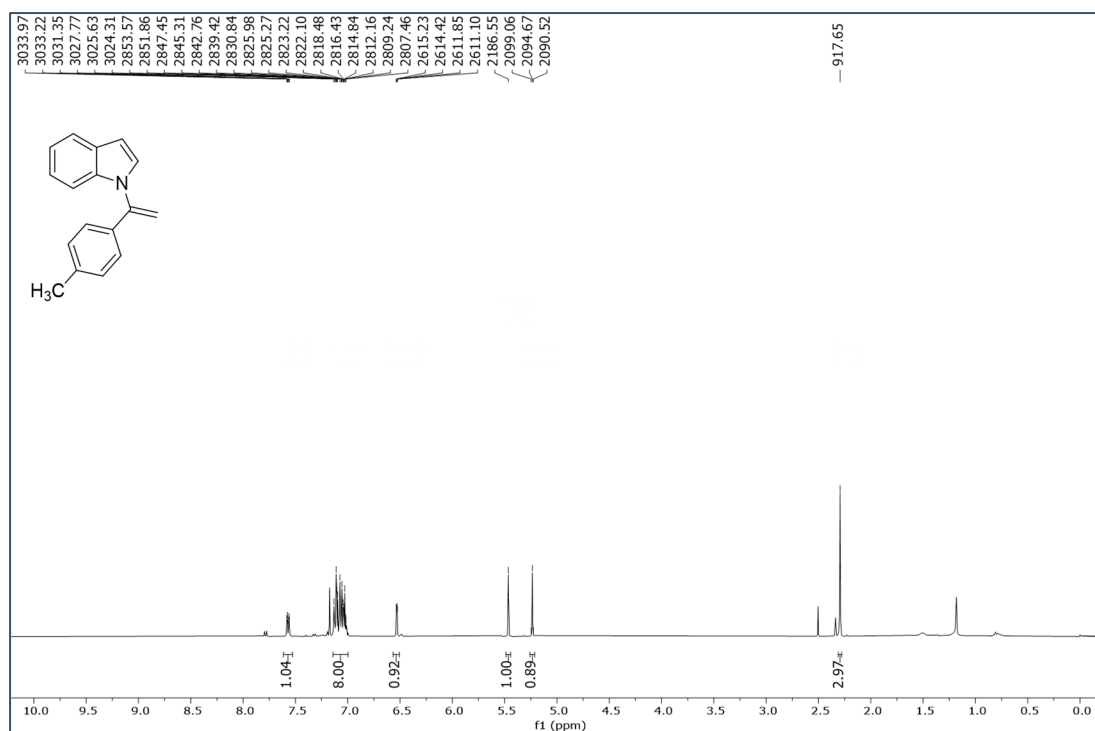


Figure S5. ¹H spectrum of compound **3e** in CDCl₃.

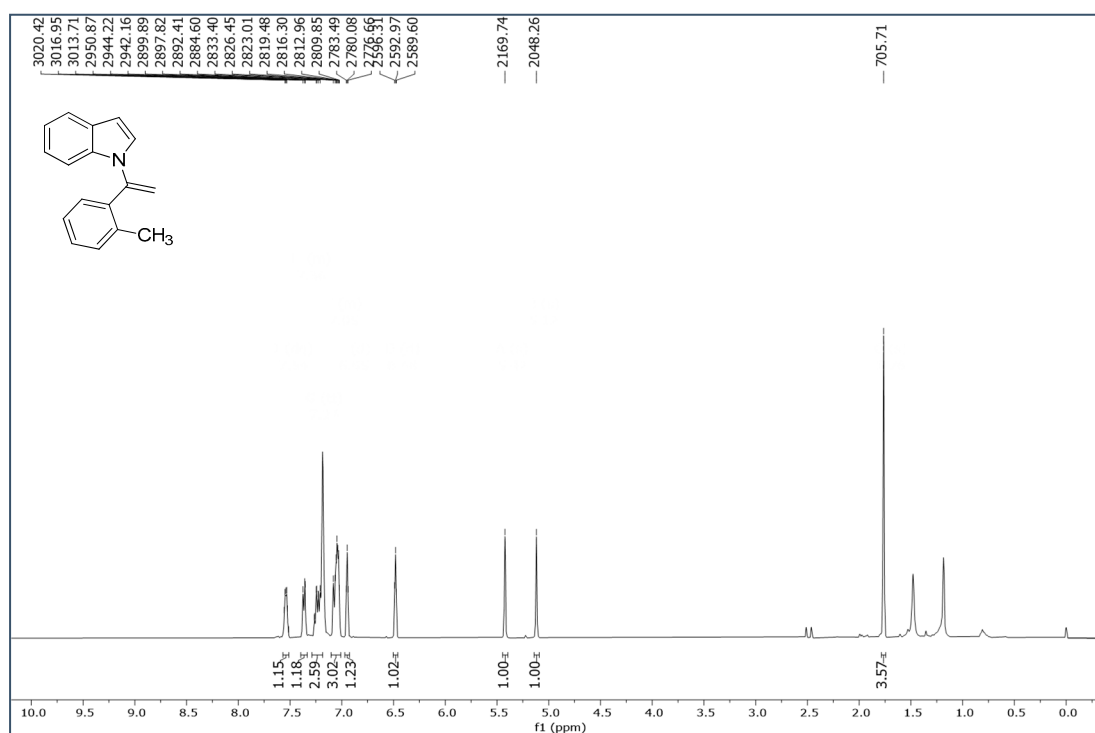


Figure S6. ¹H spectrum of compound **3f**²⁴ in CDCl₃.

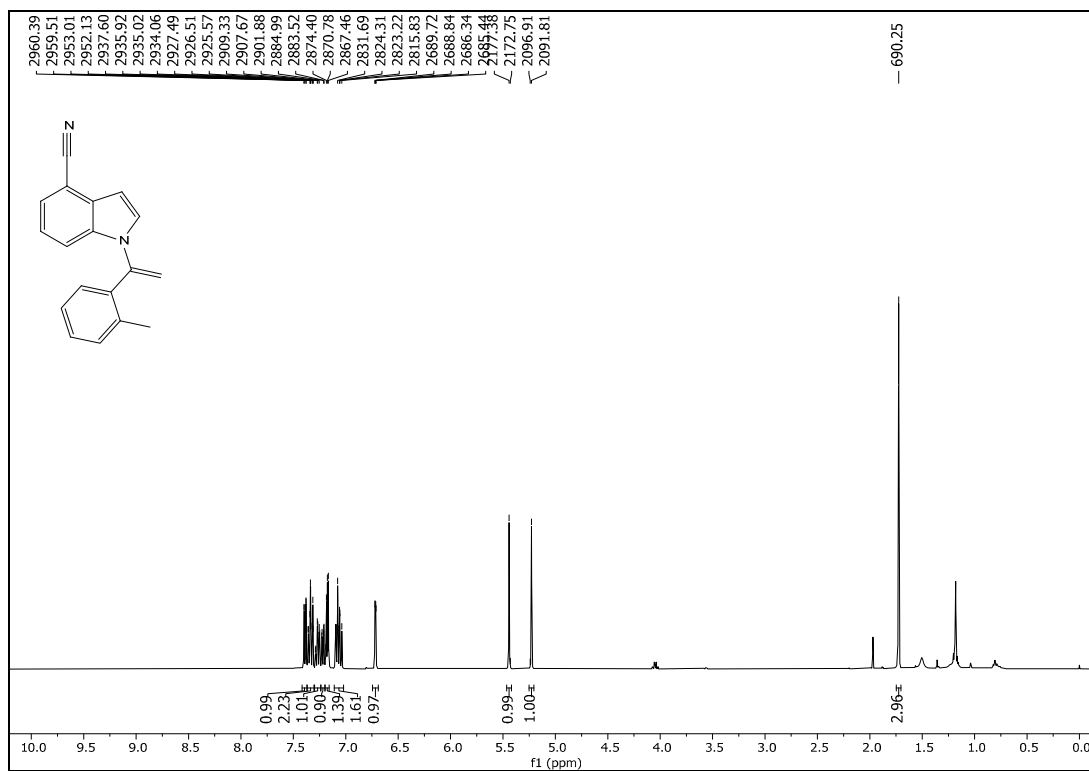


Figure S7. ¹H spectrum of compound 3g in CDCl₃.

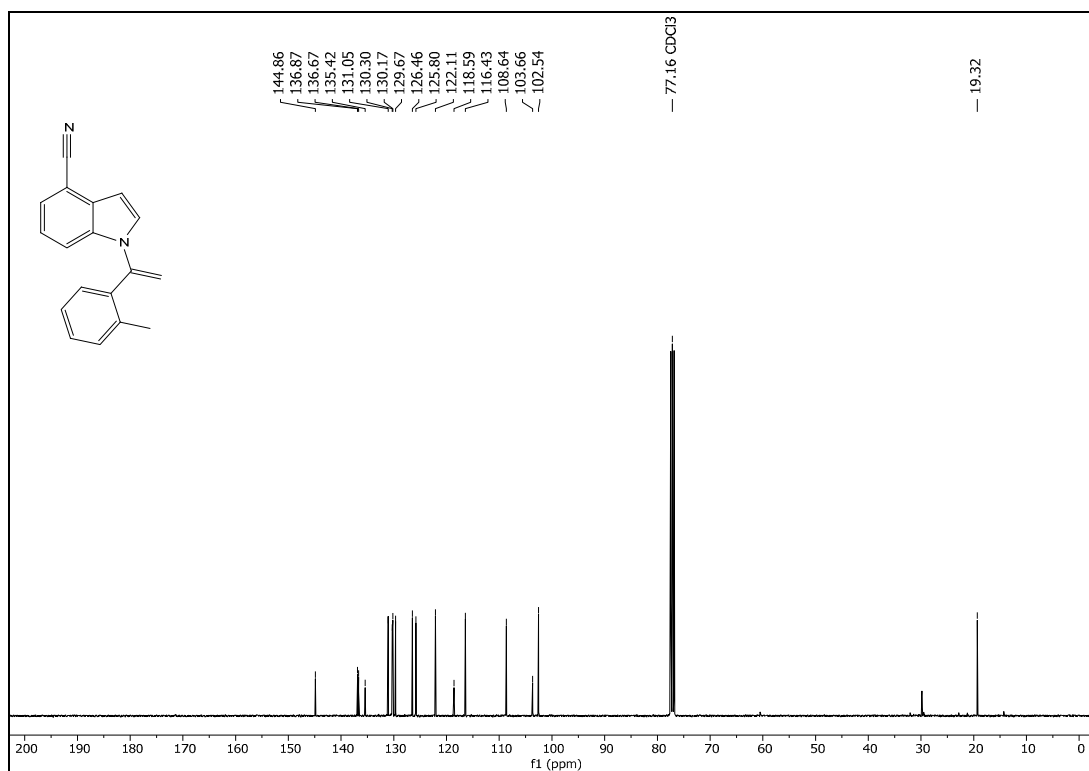
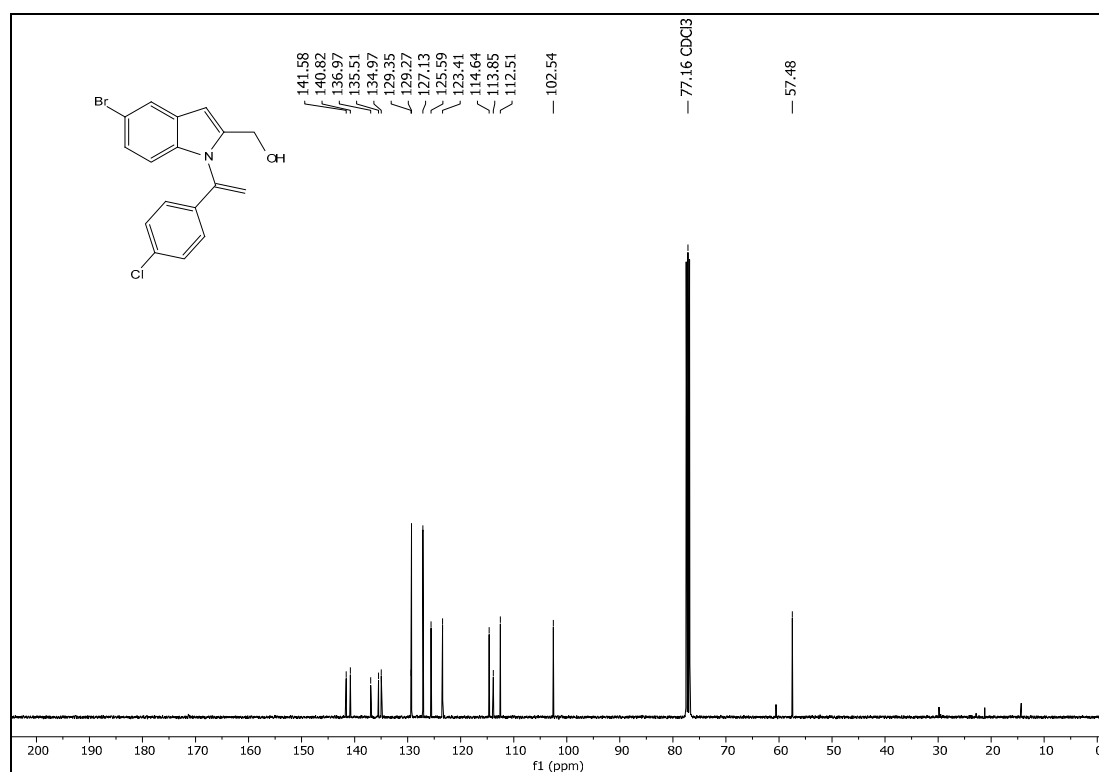
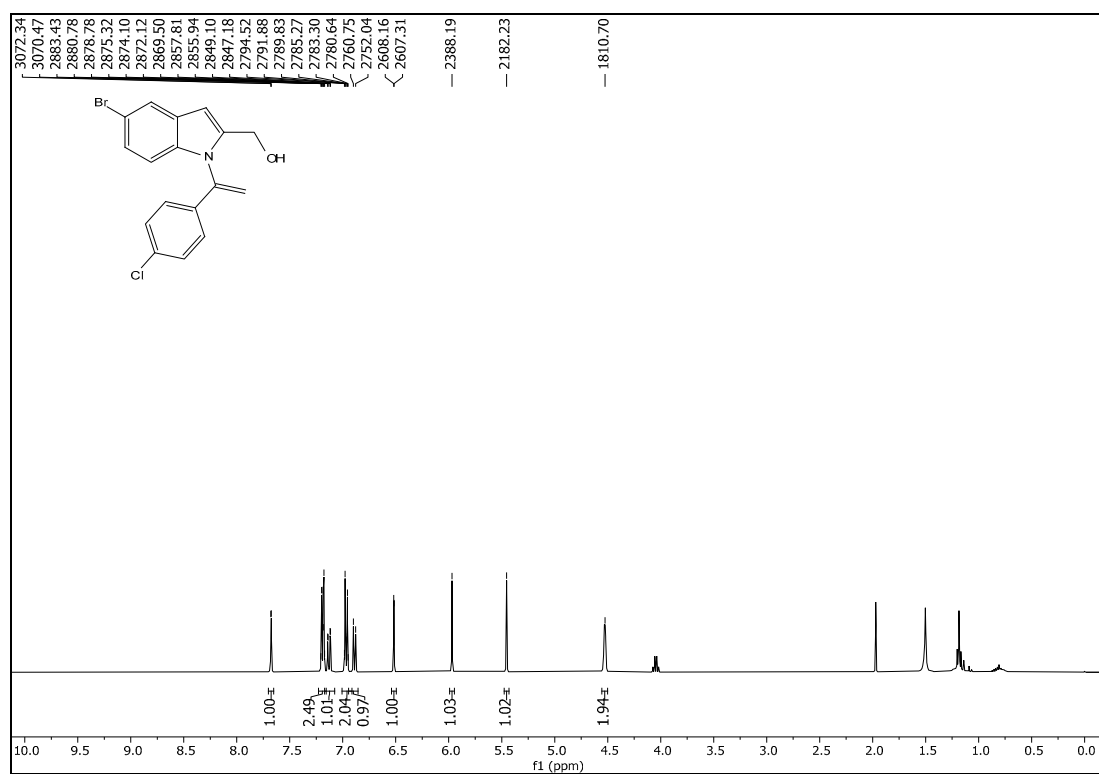


Figure S8. ¹³C spectrum of compound 3g in CDCl₃.



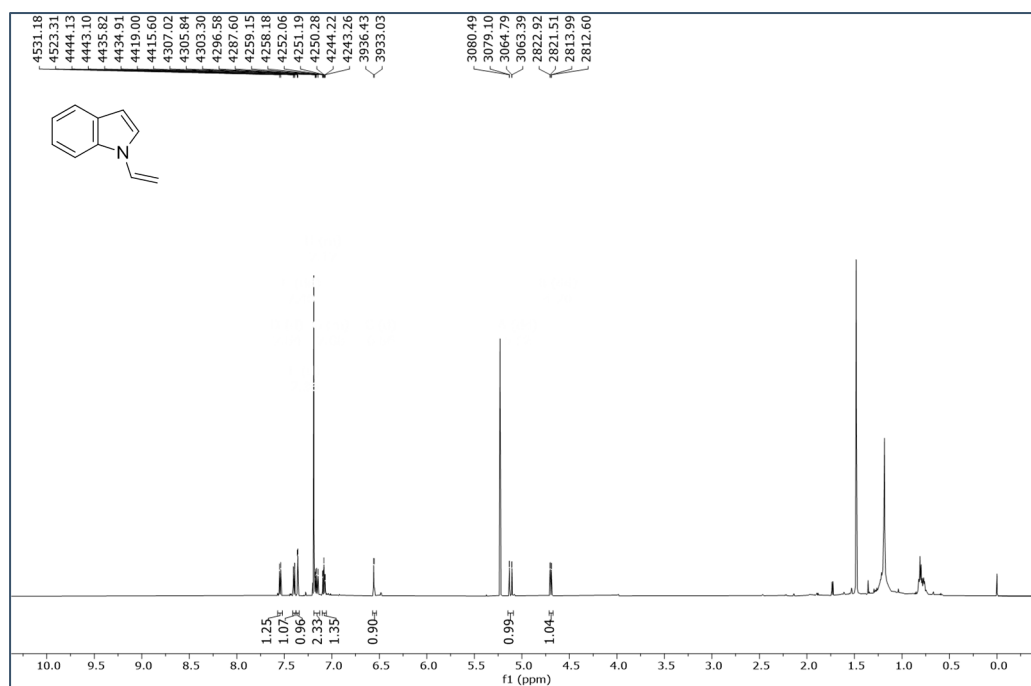


Figure S11. ¹H spectrum of compound 3i in CDCl₃.

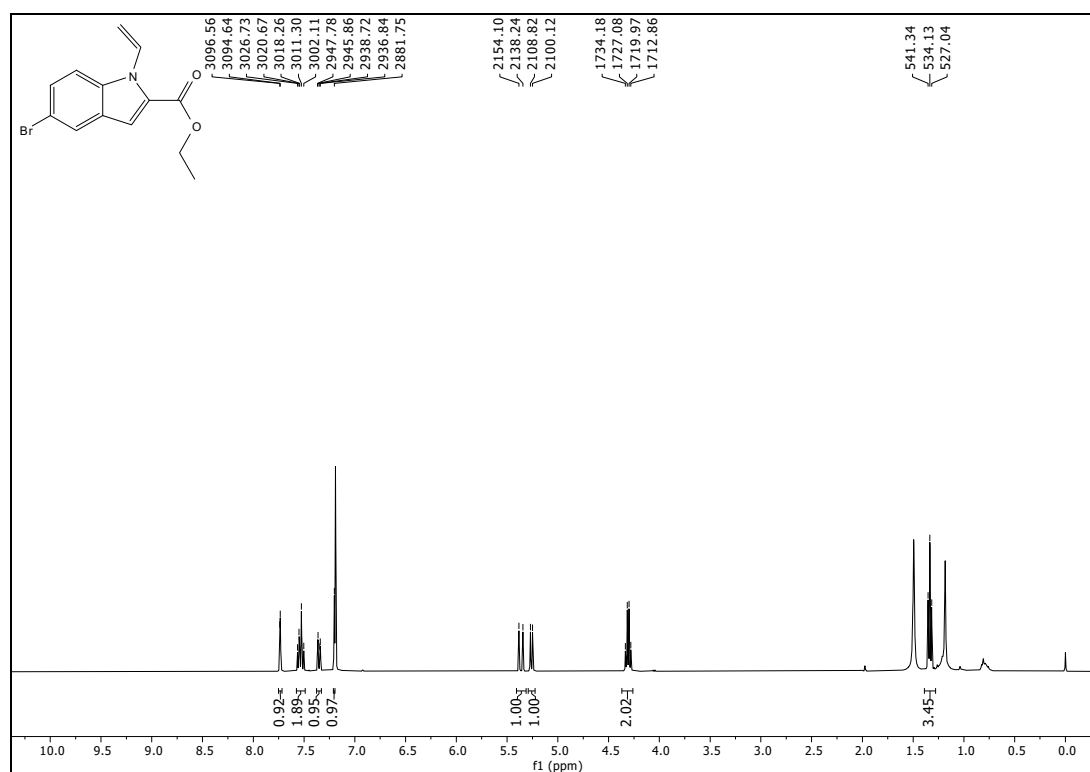


Figure S12. ¹H spectrum of compound 3j in CDCl₃.

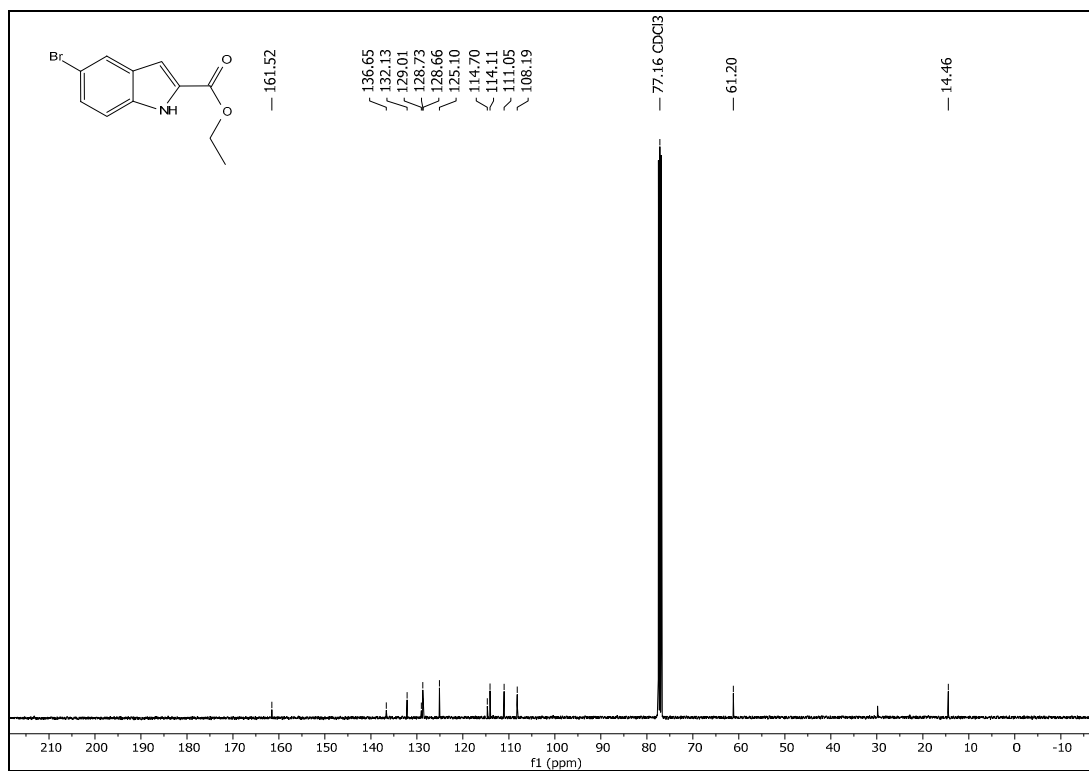


Figure S13. ^{13}C spectrum of compound **3j** in CDCl_3 .

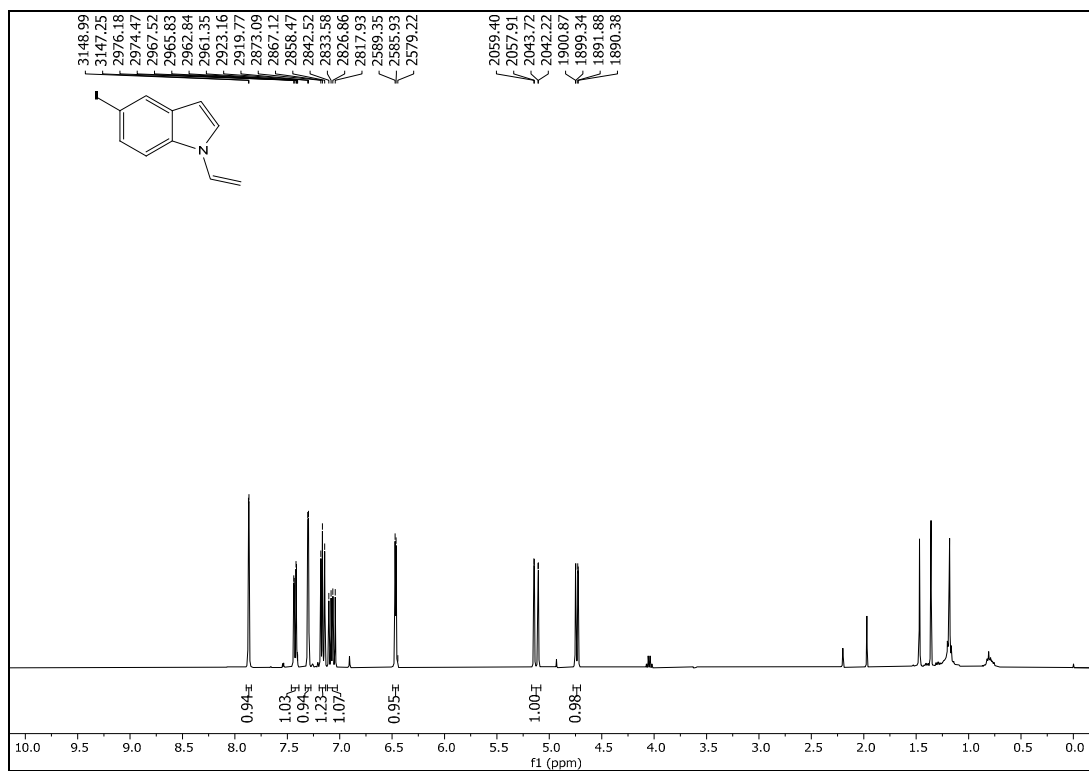


Figure S14. ^1H spectrum of compound **3k** in CDCl_3 .

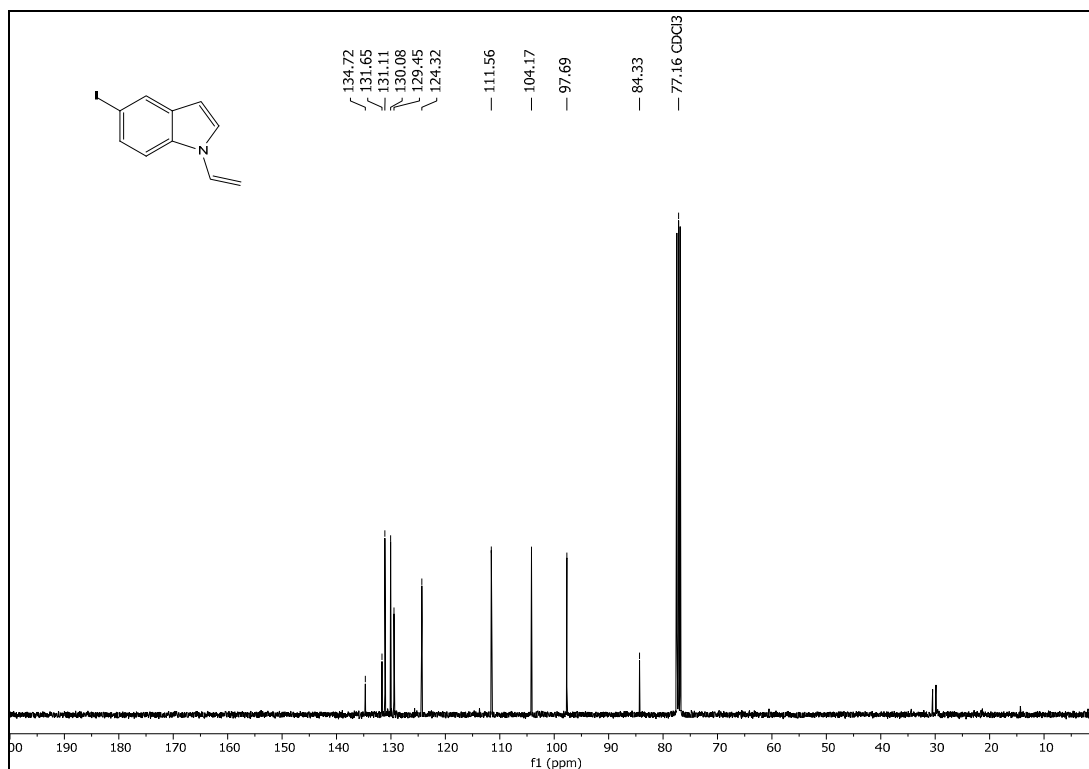


Figure S15. ¹³C spectrum of compound 3k in CDCl₃.

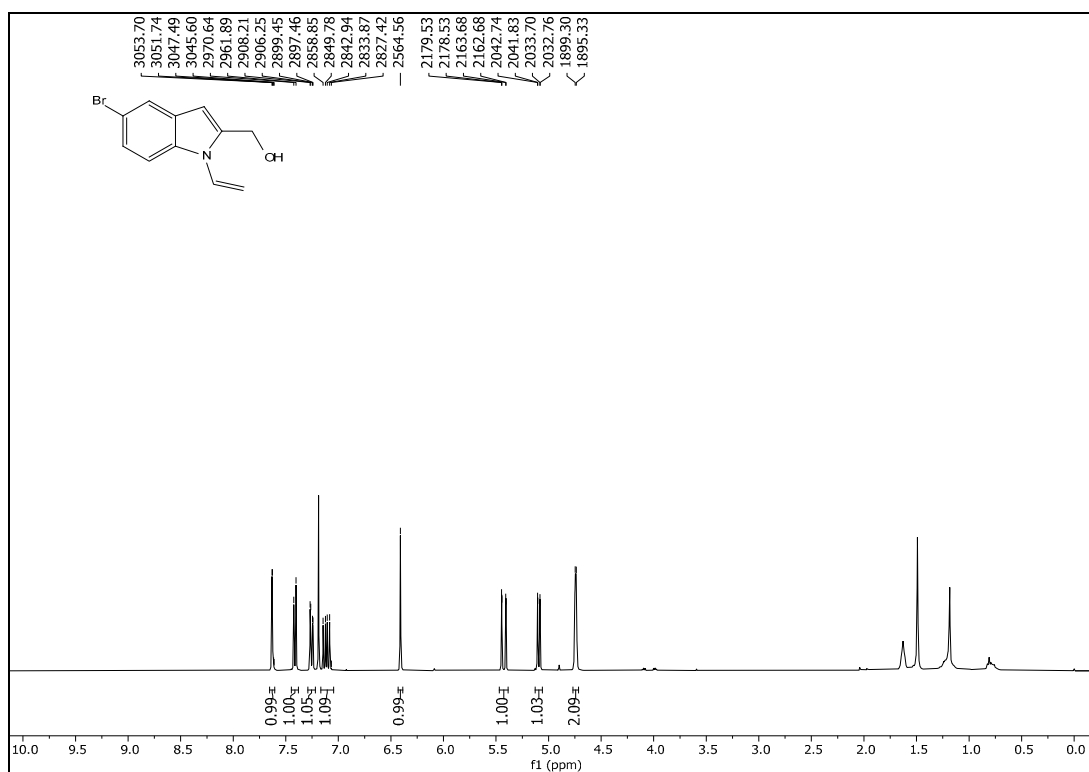


Figure S16. ¹H spectrum of compound 3l in CDCl₃.

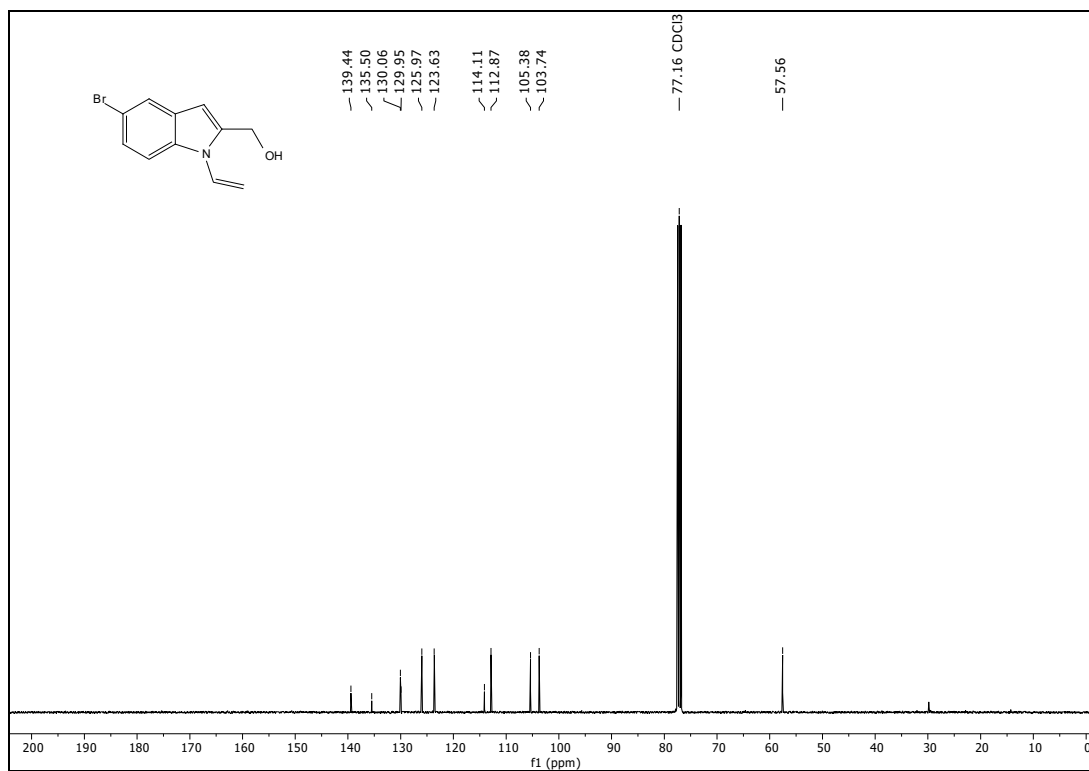


Figure S17. ¹³C spectrum of compound 3l in CDCl₃.

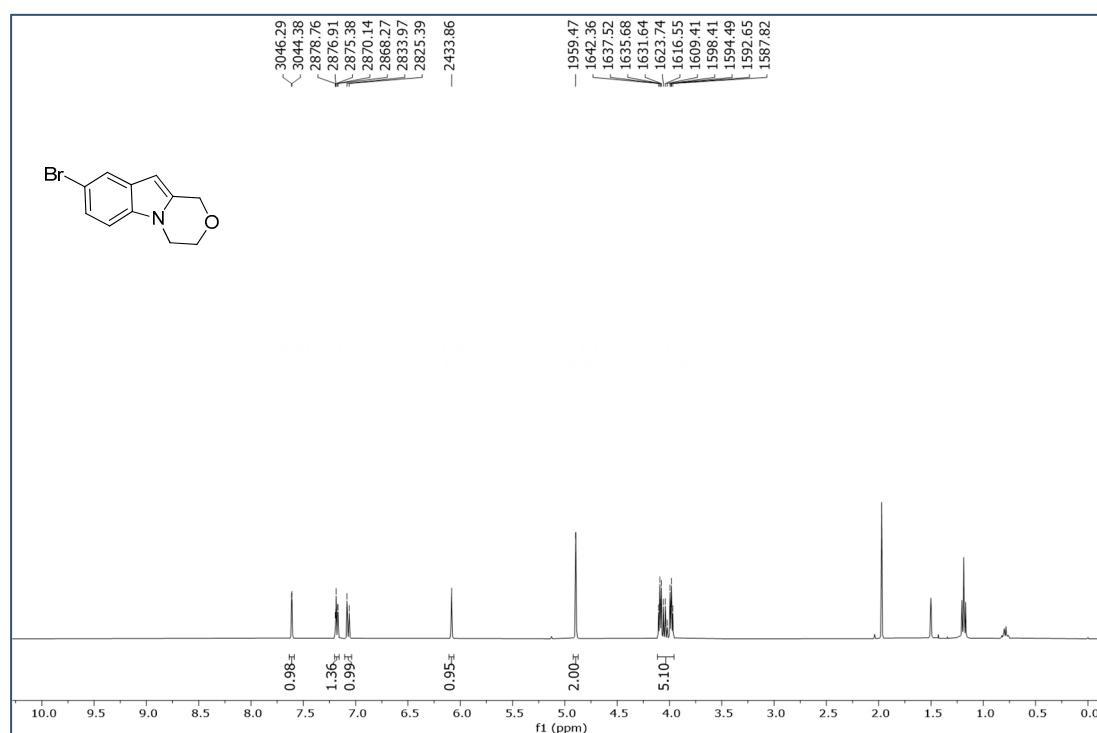


Figure S18. ¹H spectrum of 8-bromo-3,4-dihydro-1H-[1,4]oxazino[4,3-a]indole³⁰ in CDCl₃.

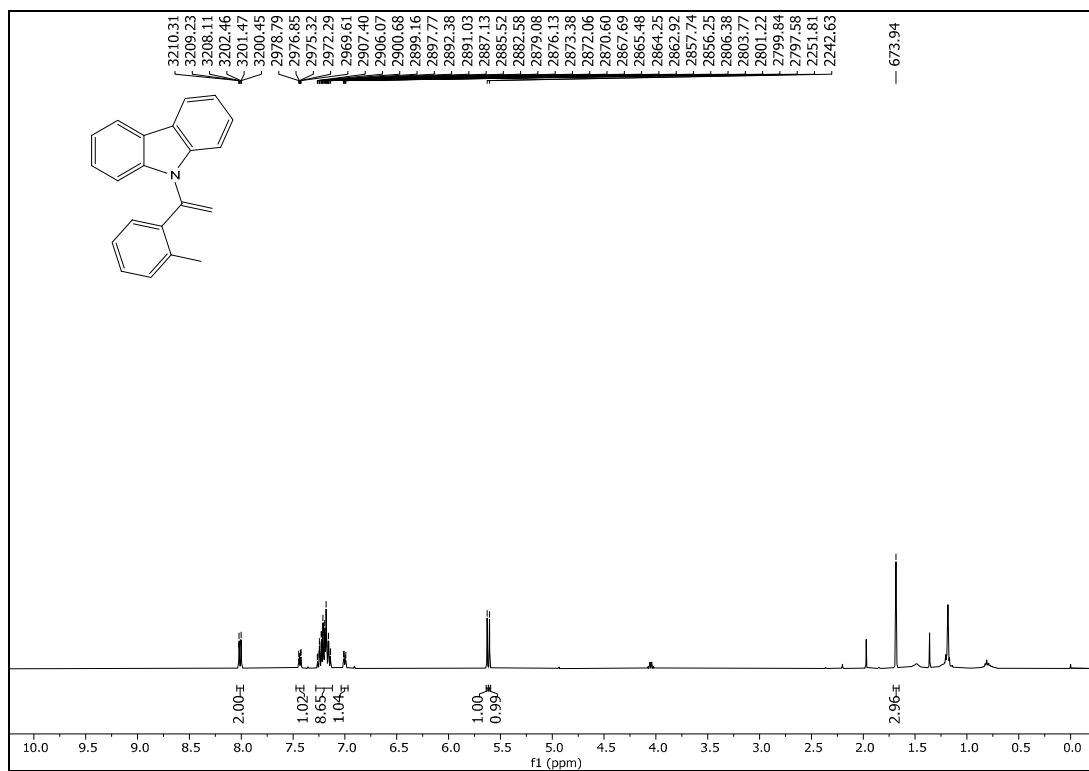


Figure S19. ¹H spectrum of compound 5a in CDCl₃.

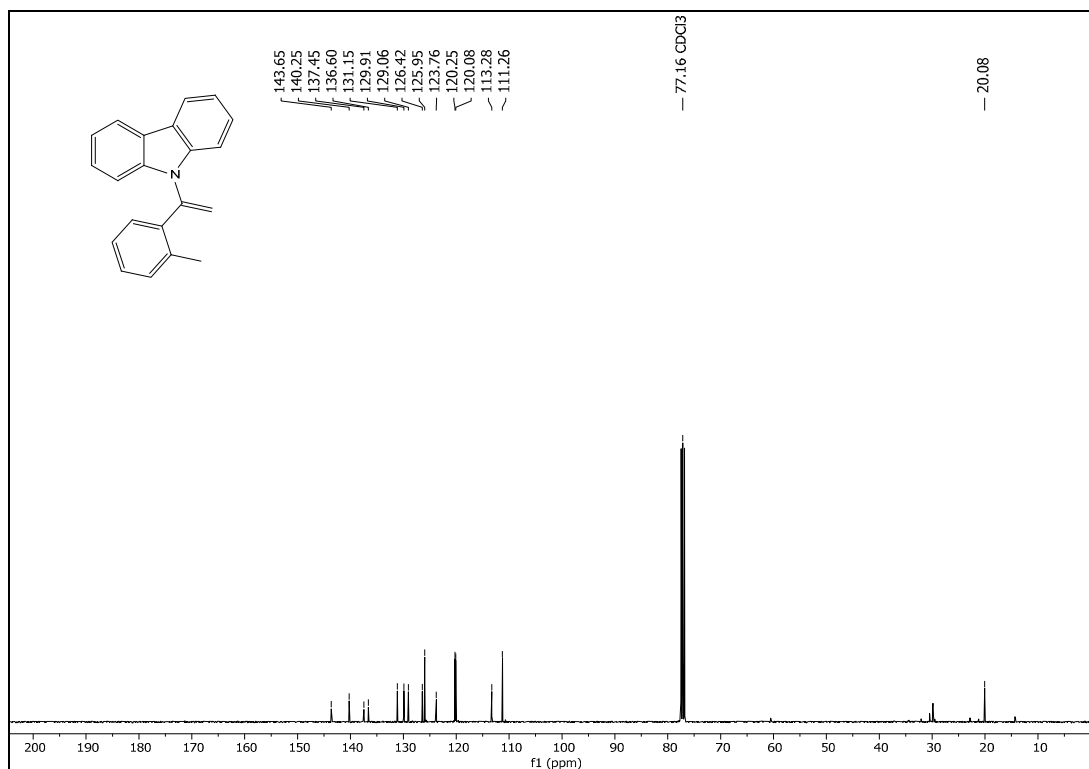


Figure S20. ¹³C spectrum of compound 5a in CDCl₃.

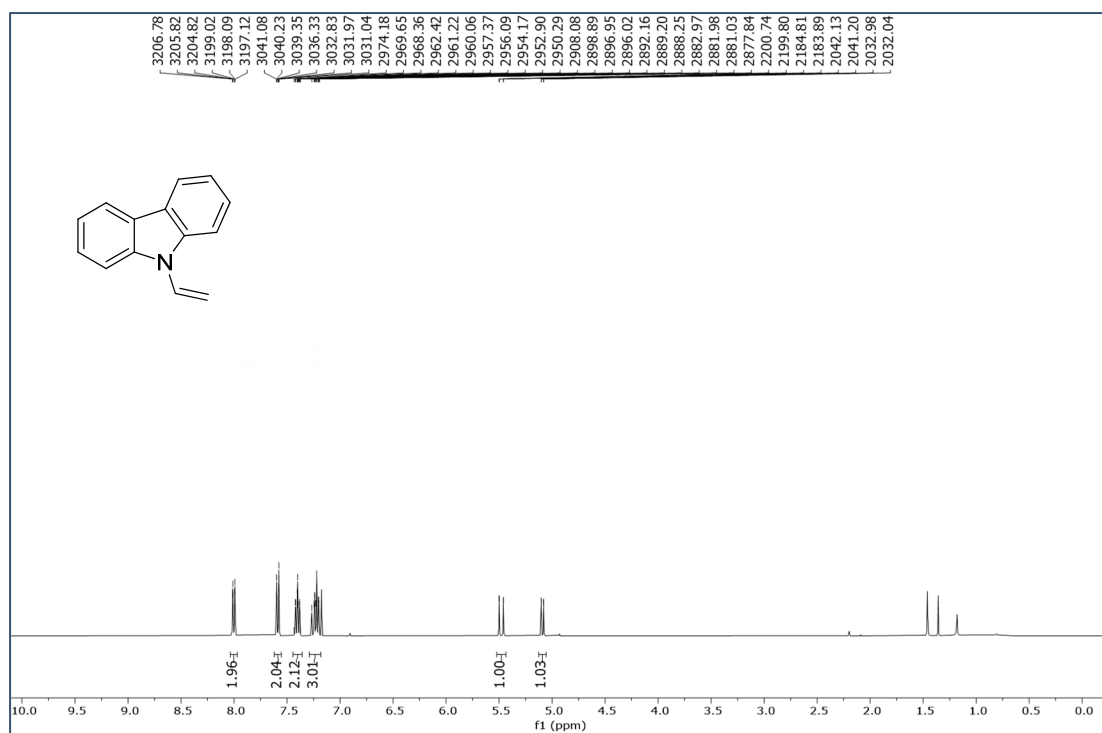


Figure S21. ¹H spectrum of compound **5b¹⁹** in CDCl₃.

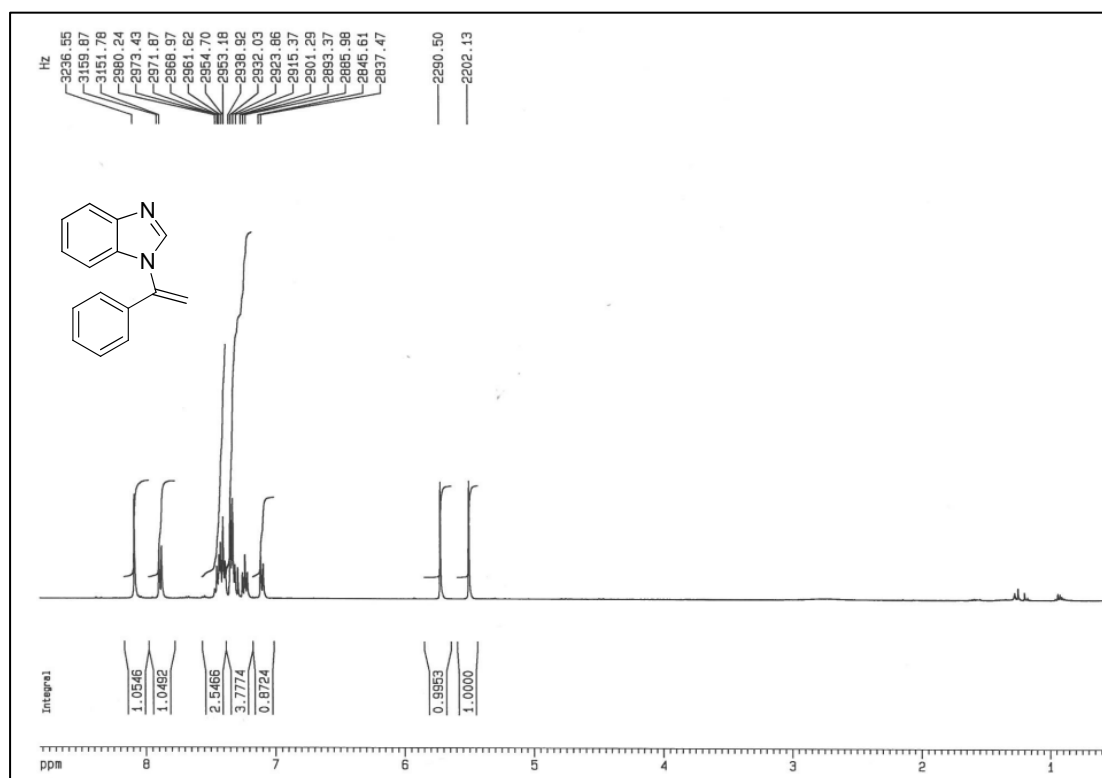


Figure S22. ¹H spectrum of compound **5c²⁴** in CDCl₃.

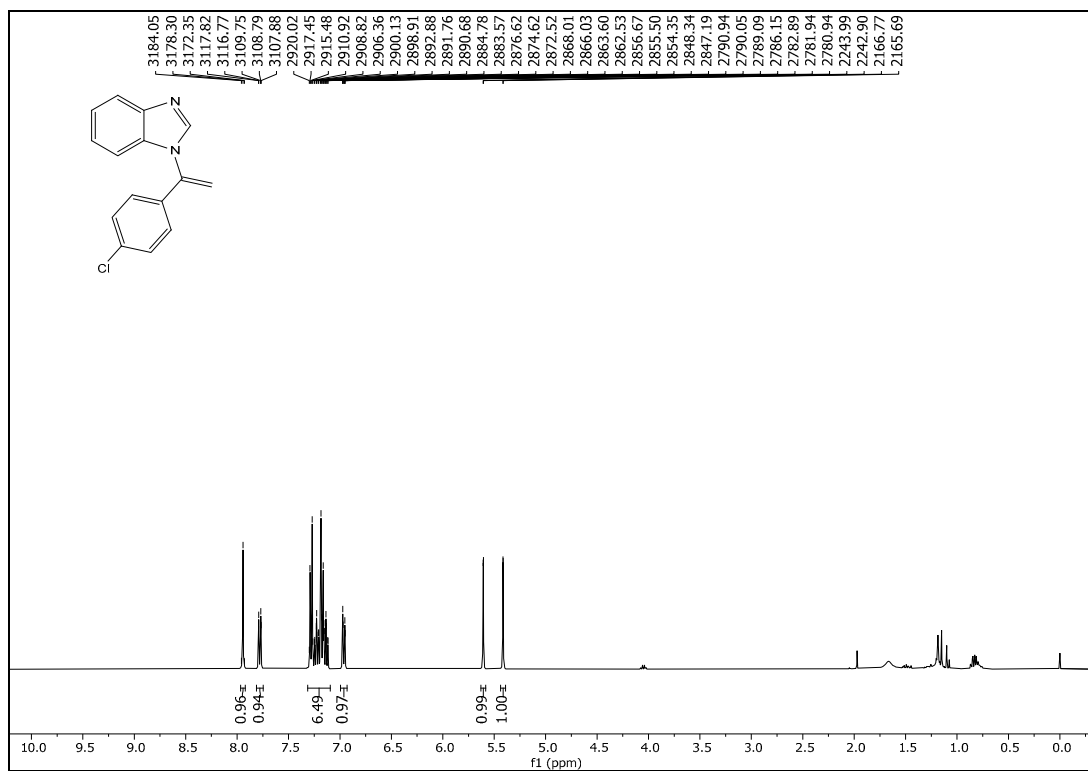


Figure S23. ¹H spectrum of compound **5d** in CDCl₃.

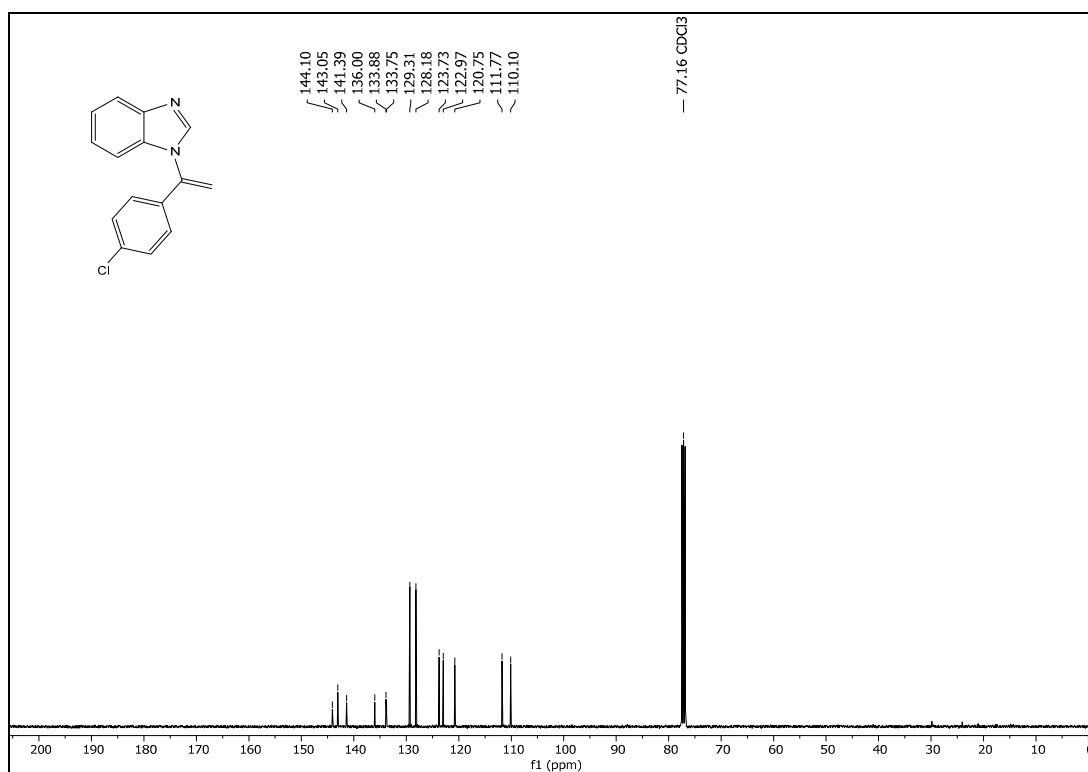


Figure S24. ¹³C spectrum of compound **5d** in CDCl₃.

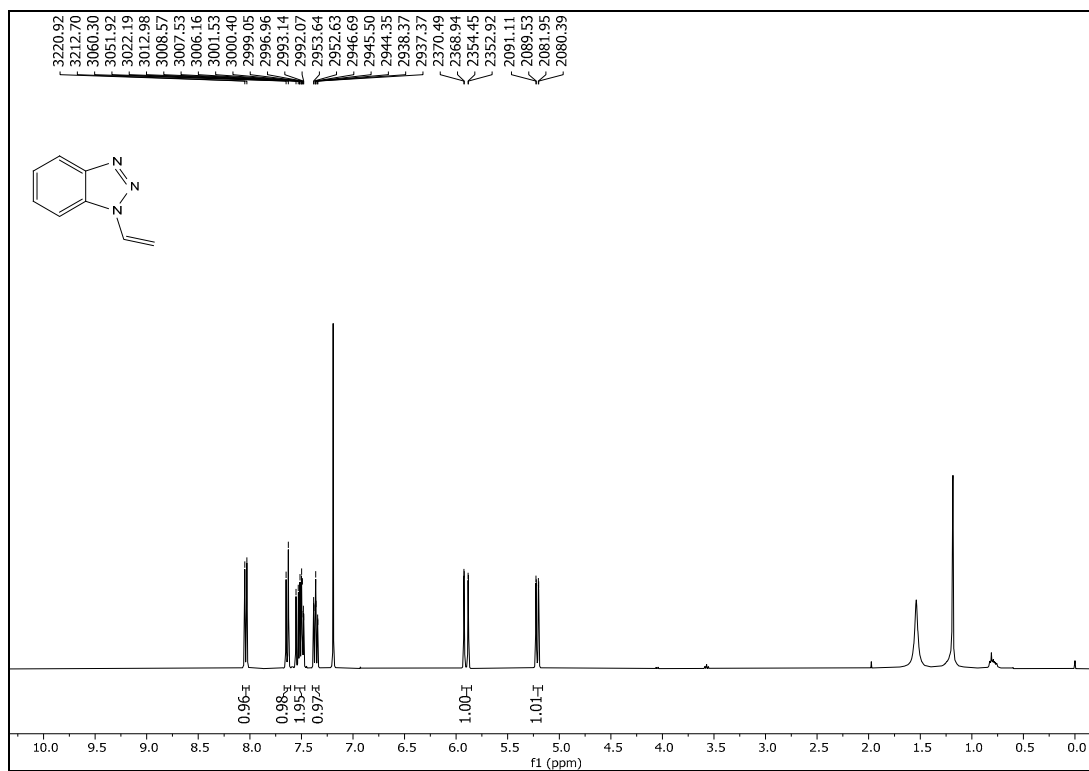


Figure S25. ¹H spectrum of compound 5e in CDCl₃.

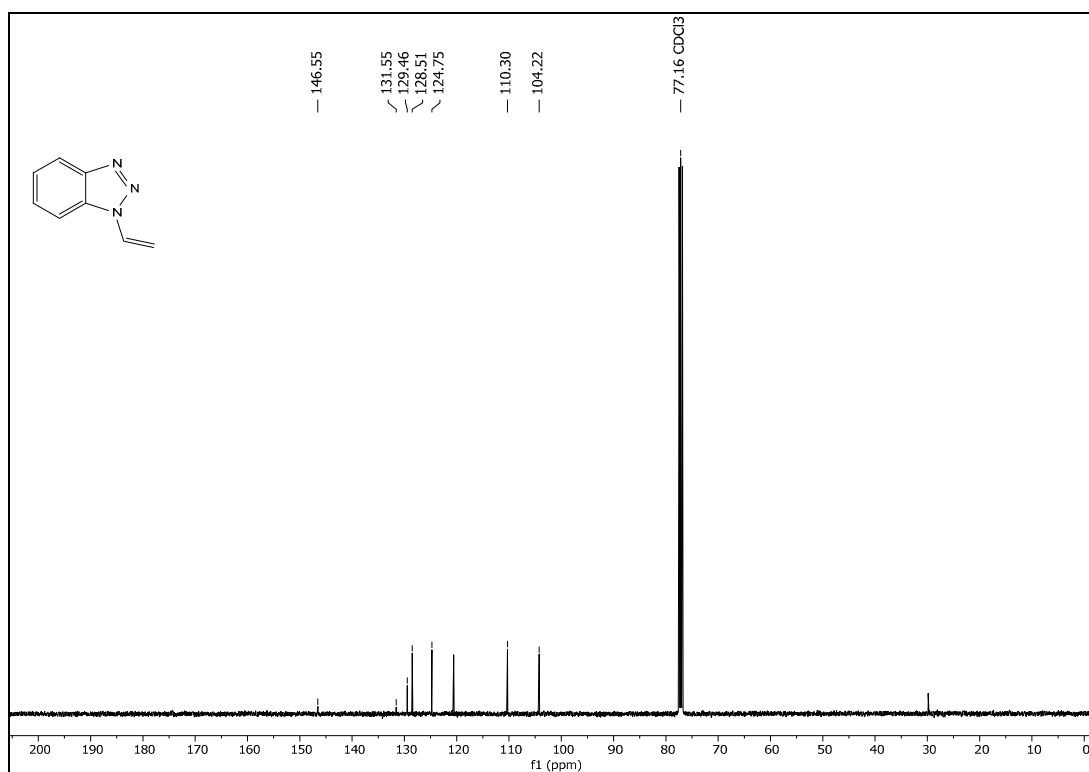


Figure S26. ¹³C spectrum of compound 5e in CDCl₃.

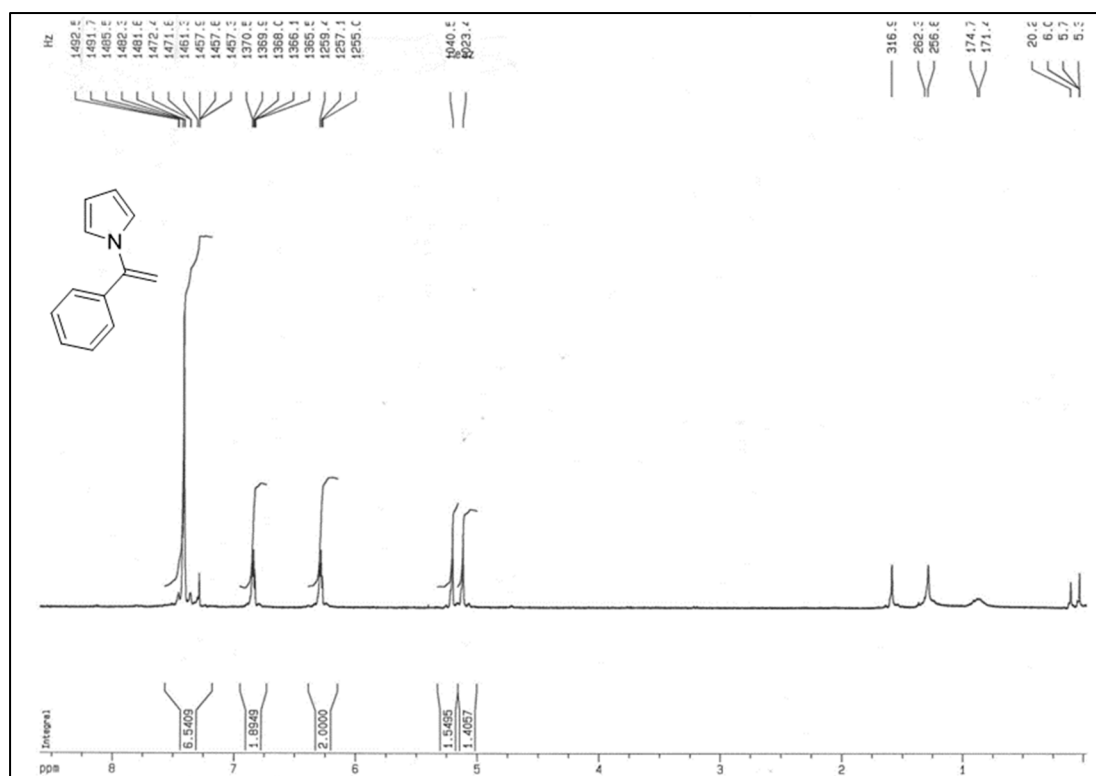


Figure S27. ¹H spectrum of compound 5f¹⁴ in CDCl₃.

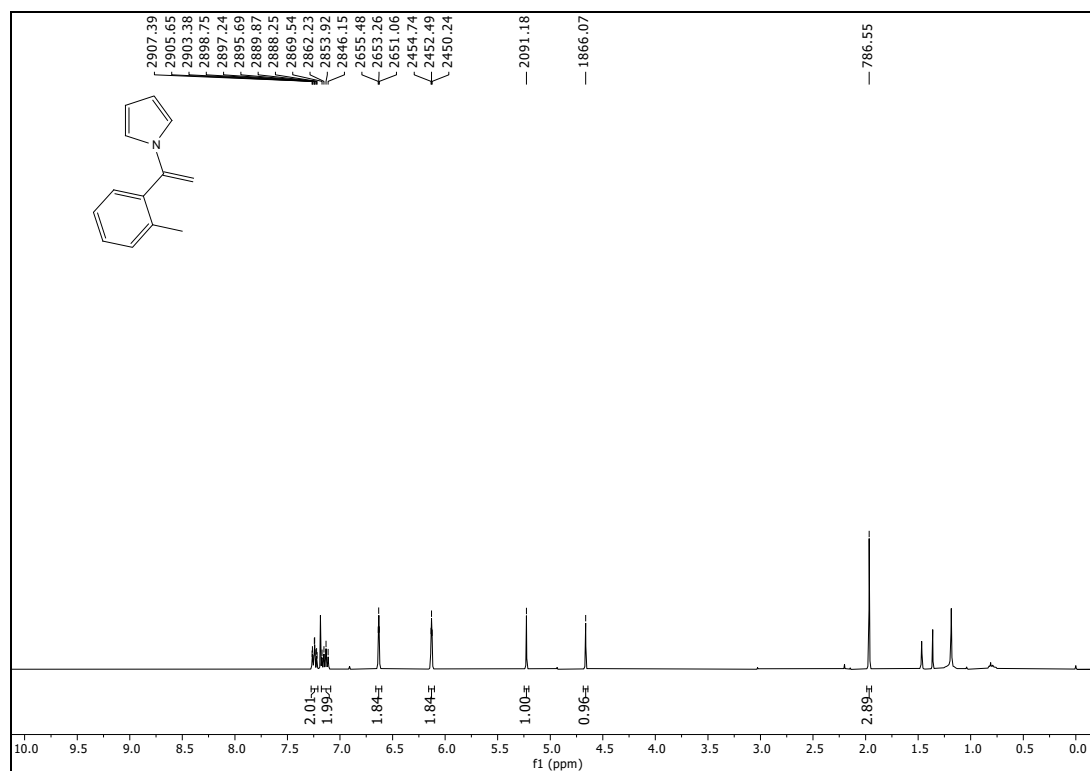


Figure S28. ¹H spectrum of compound 5g in CDCl₃.

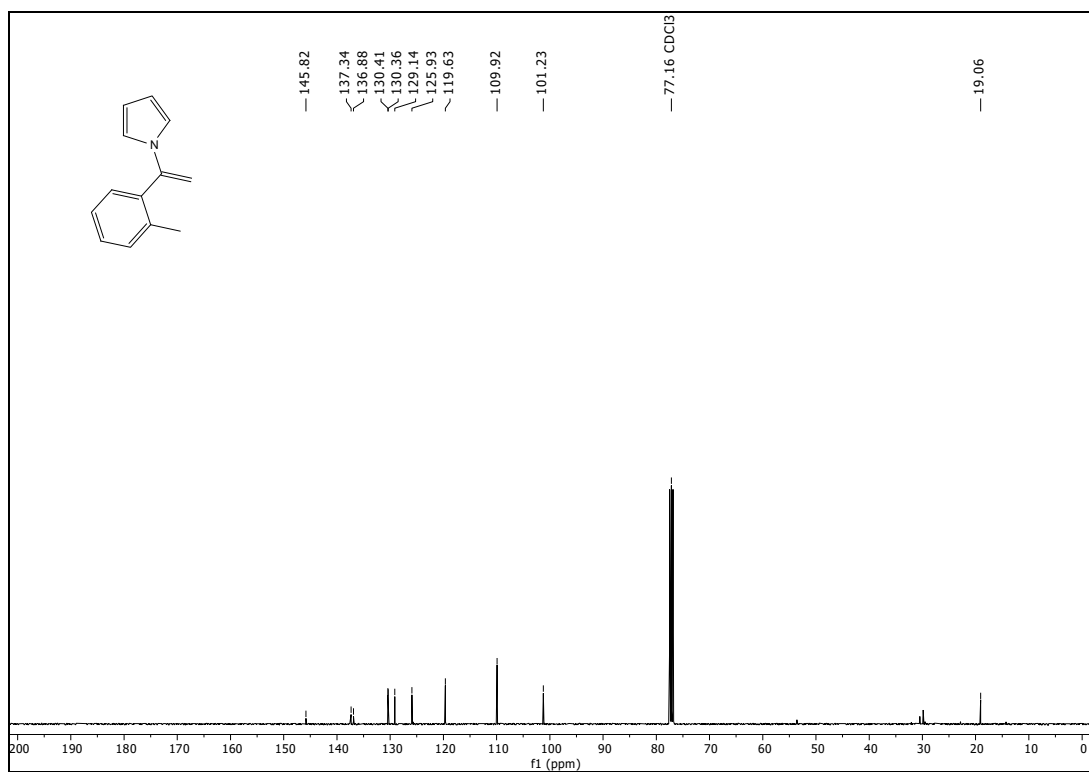


Figure S29. ¹H spectrum of compound **5g** in CDCl₃.

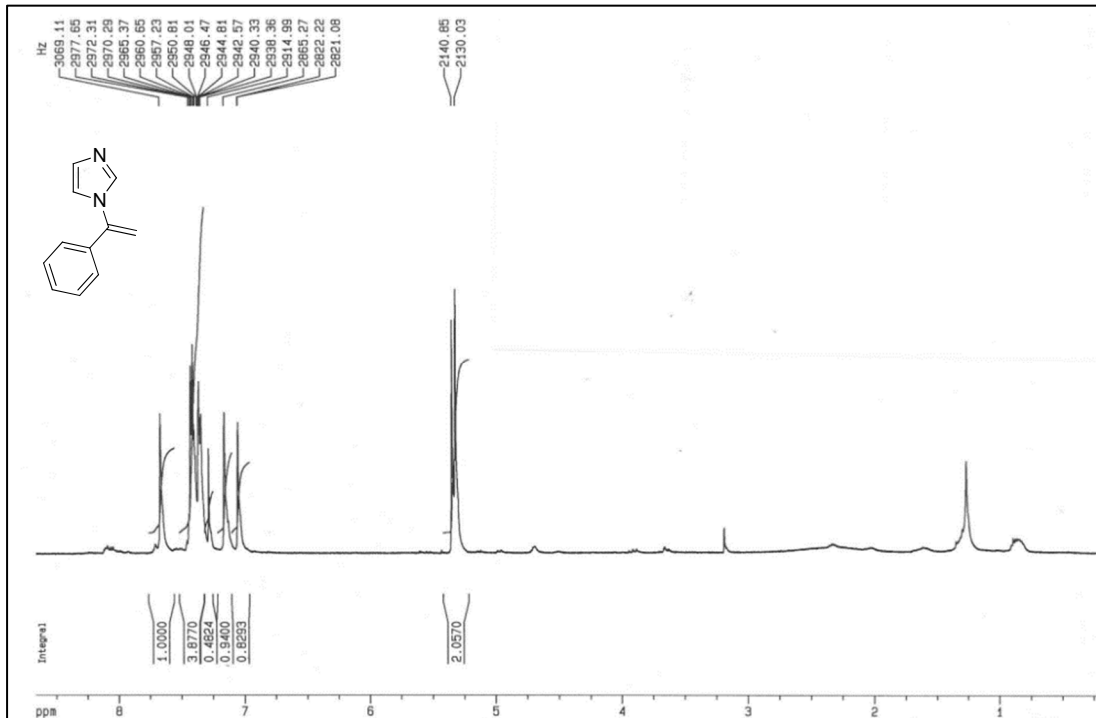


Figure S30. ¹H spectrum of compound **5h¹⁴** in CDCl₃.

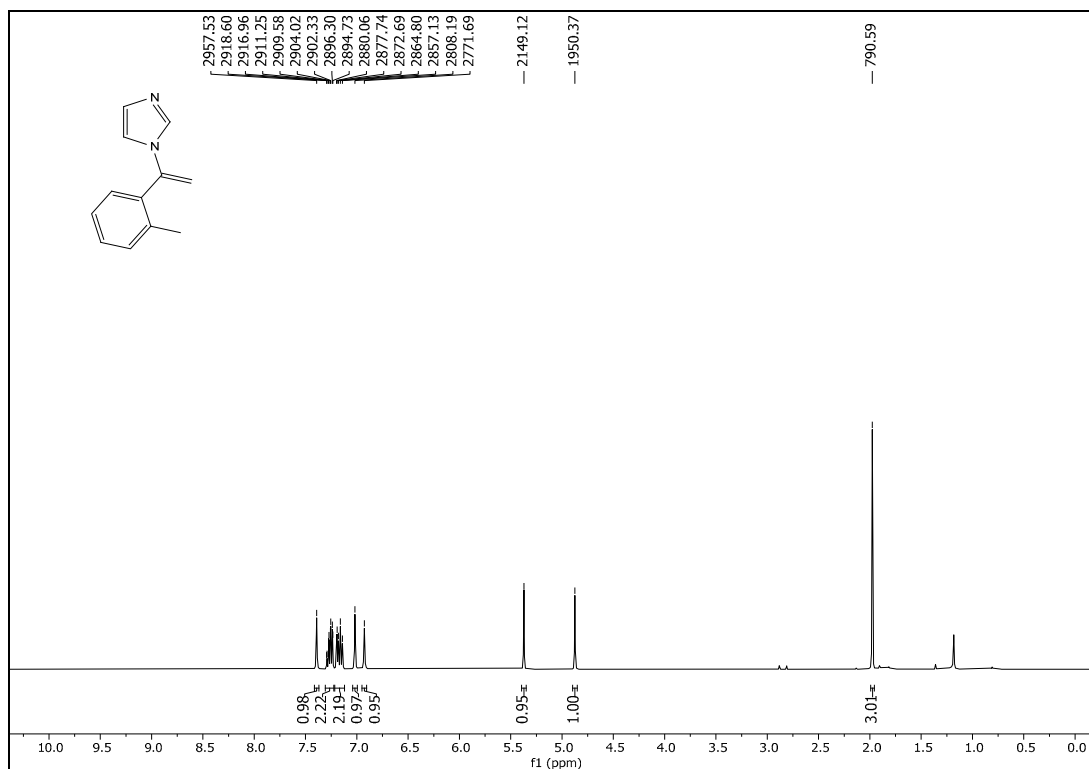


Figure S31. ¹H spectrum of compound 5i in CDCl₃.

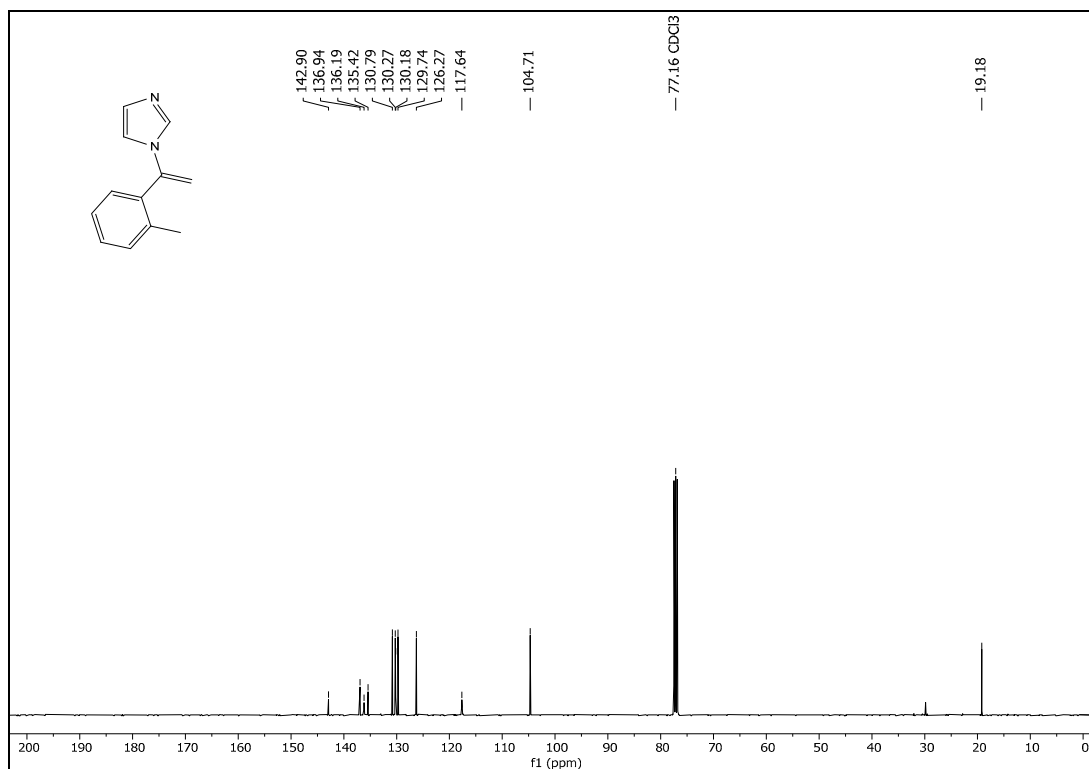


Figure S32. ¹³C spectrum of compound 5i in CDCl₃.

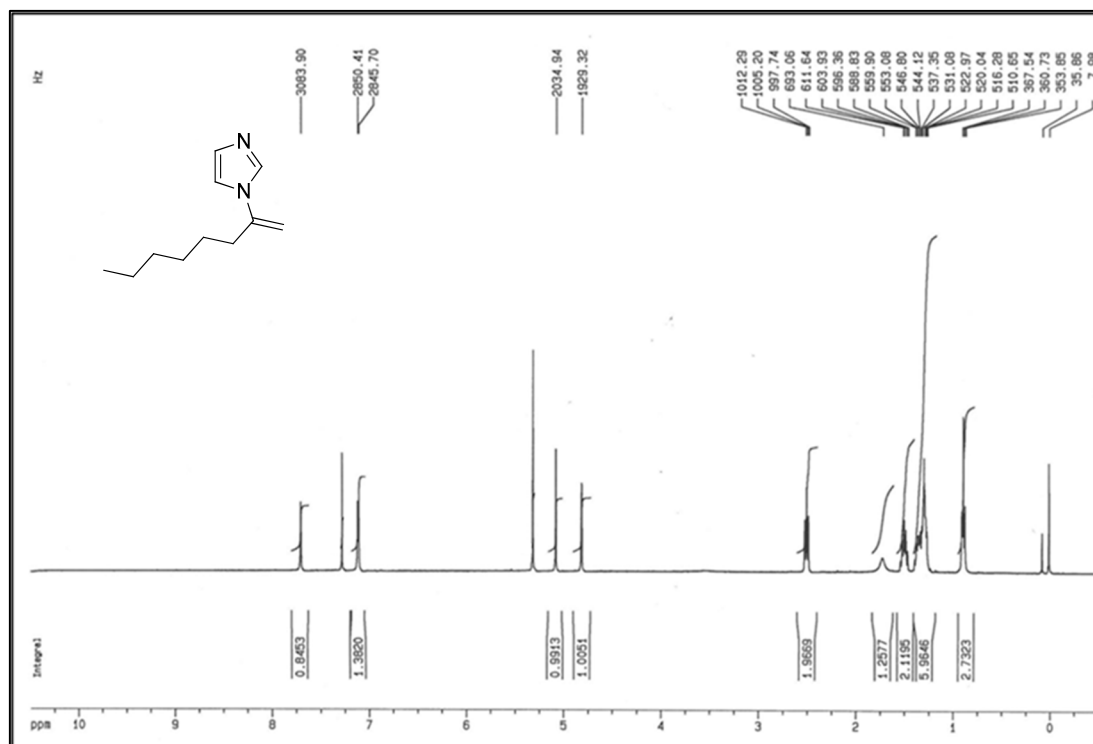


Figure S33. ^1H spectrum of compound 5j in CDCl_3 .

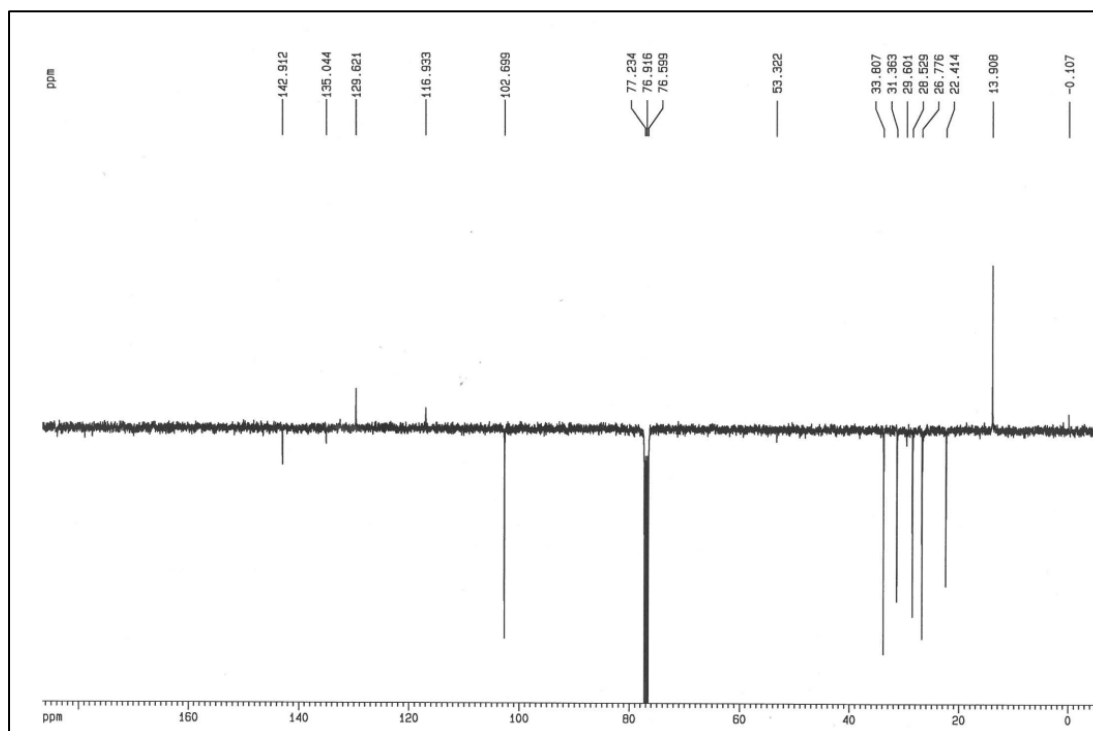


Figure S34. ^{13}C spectrum of compound 5j in CDCl_3 .

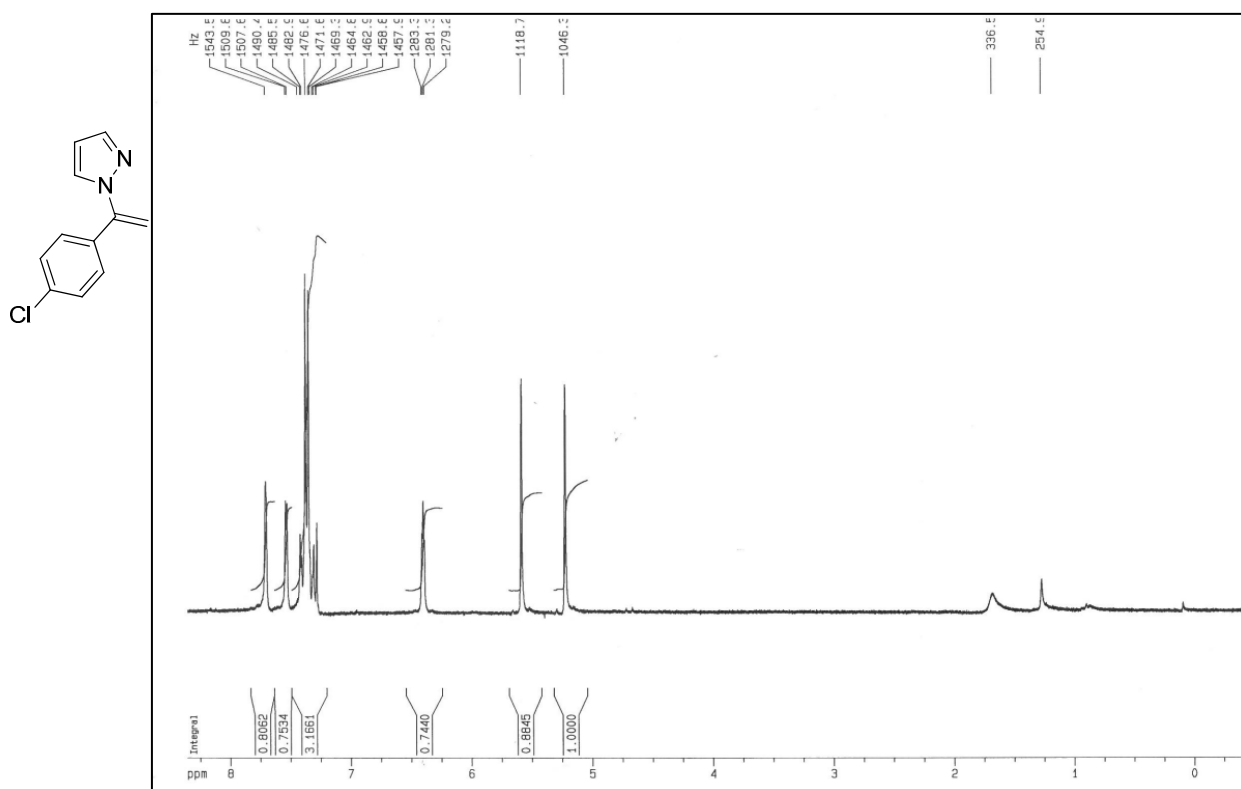


Figure S35. ¹H spectrum of compound **5k⁴⁶** in CDCl₃.

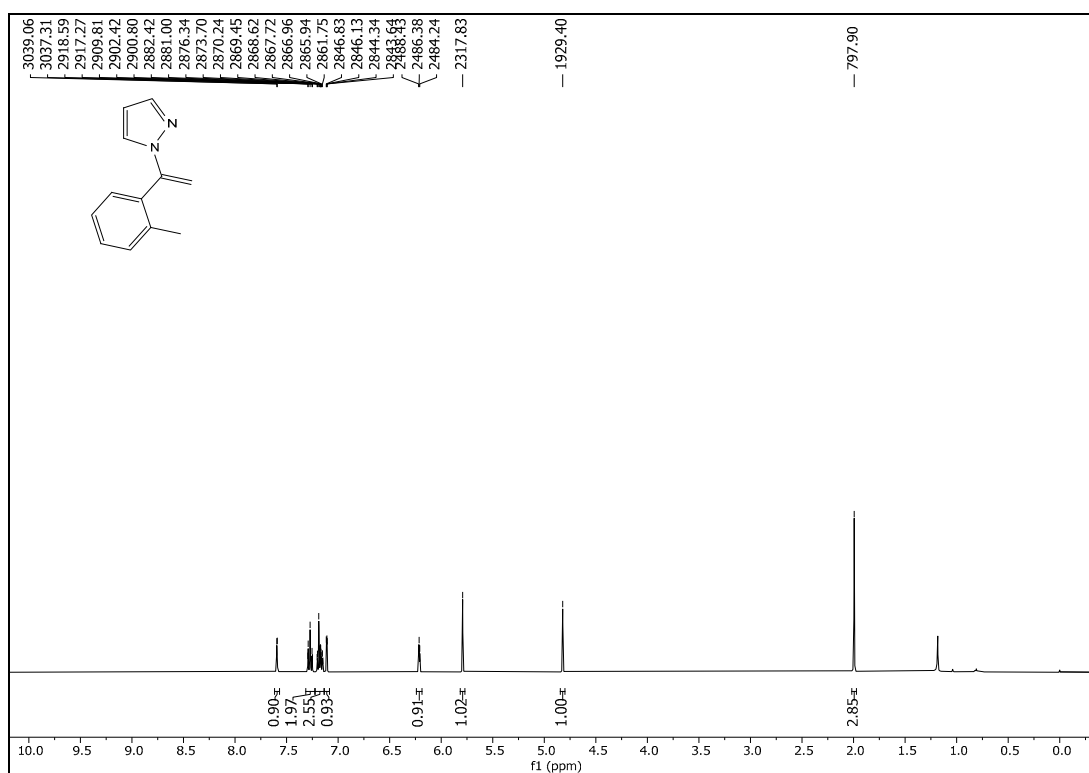


Figure S36. ¹H spectrum of compound **5l** in CDCl₃.

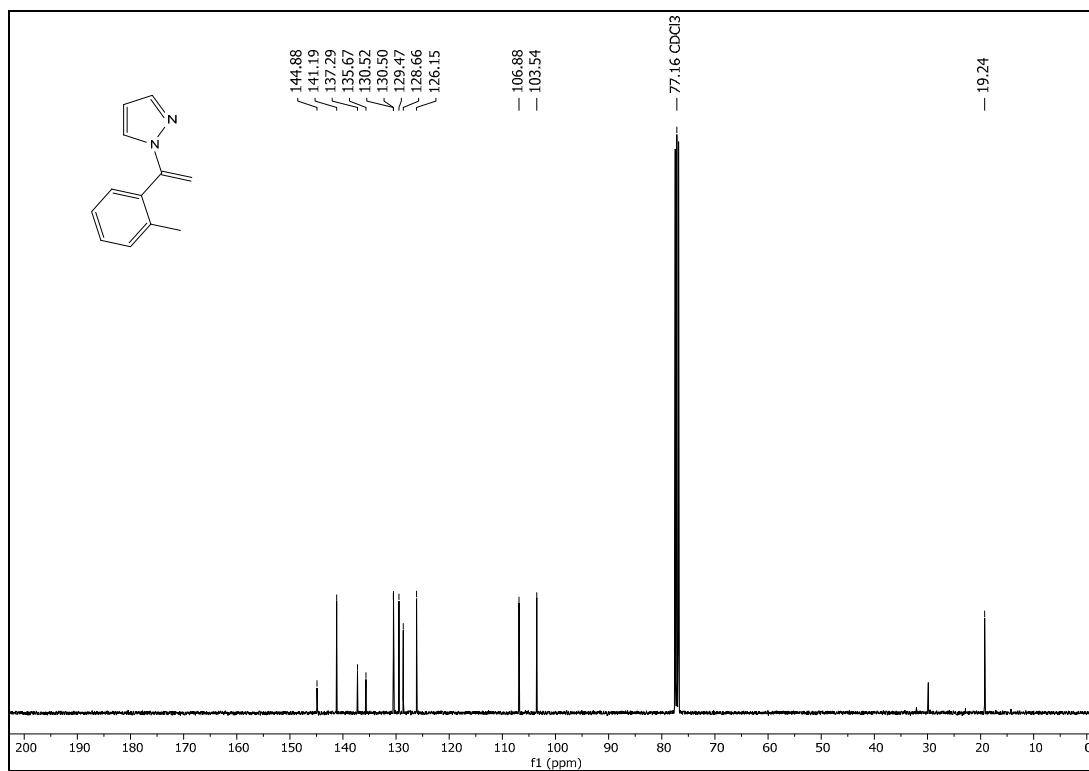


Figure S37. ¹³C spectrum of compound **5l** in CDCl₃.

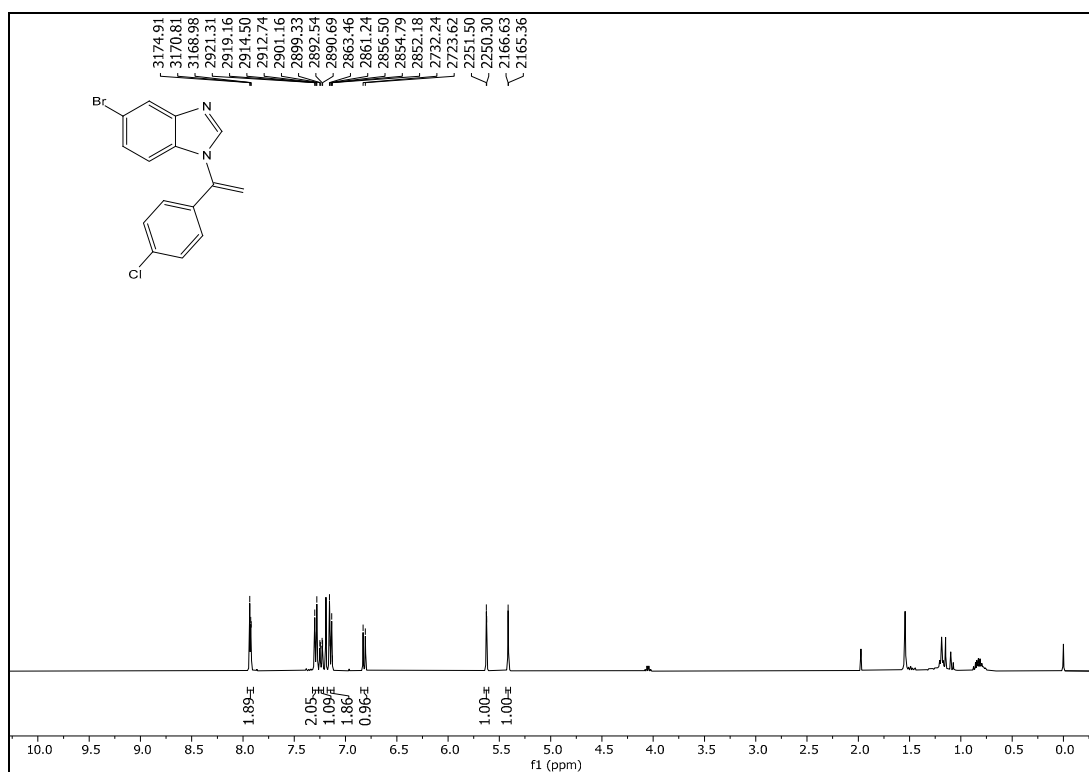


Figure S38. ¹H spectrum of compound **5m** in CDCl₃.

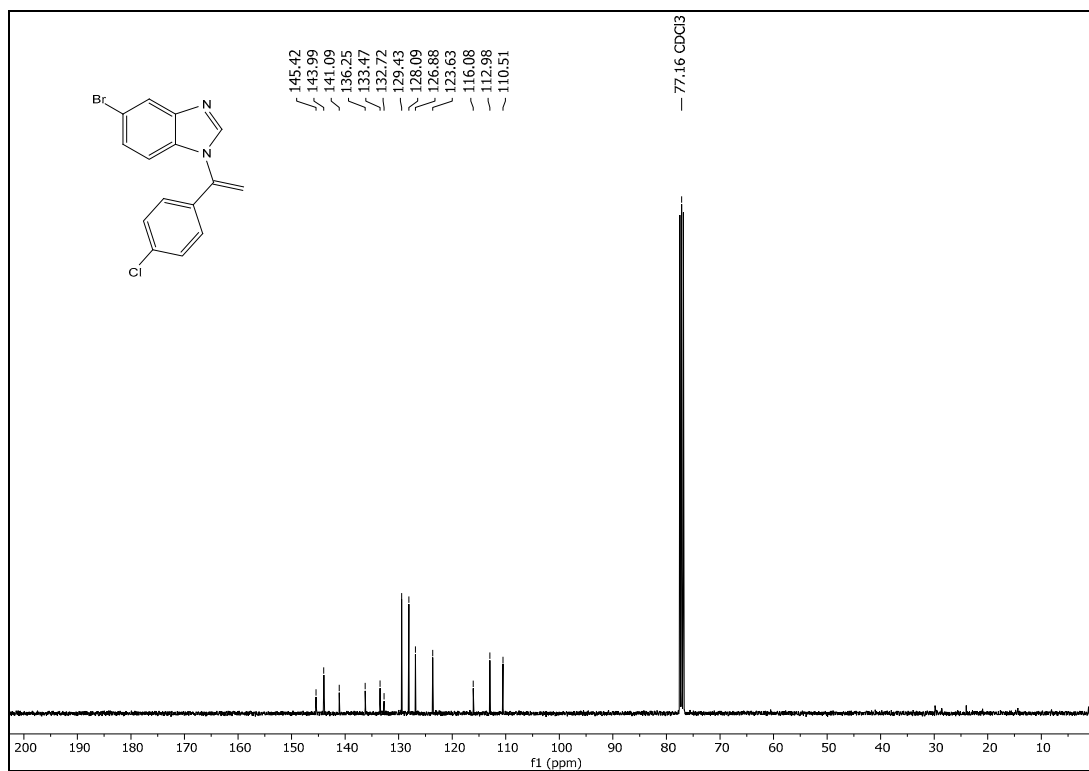


Figure S39. ¹³C spectrum of compound **5m** in CDCl₃.

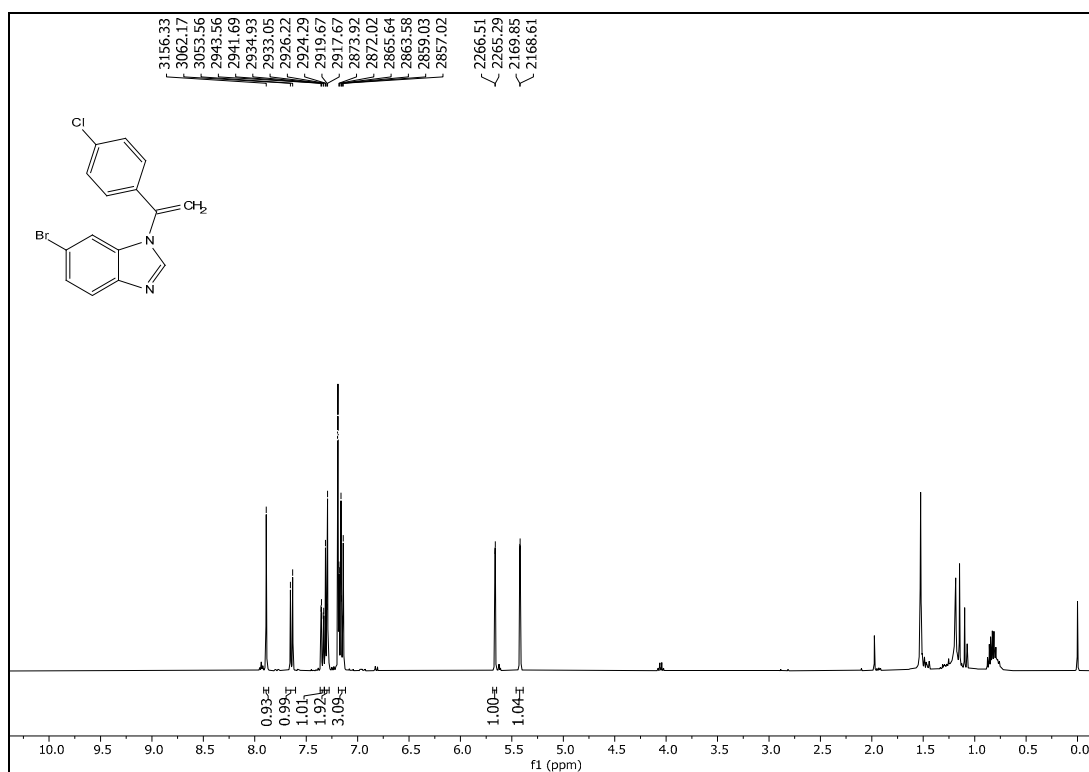


Figure S40. ¹H spectrum of compound **5m'** in CDCl₃.

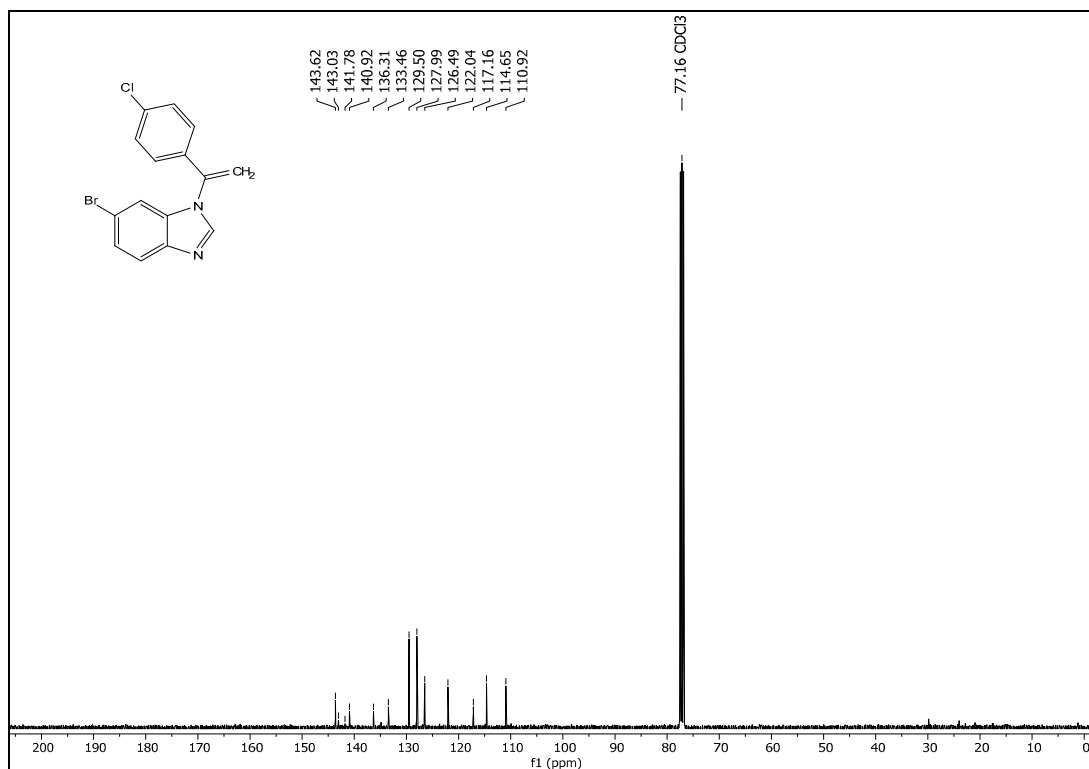


Figure S41. ¹³C spectrum of compound **5m'** in CDCl₃.

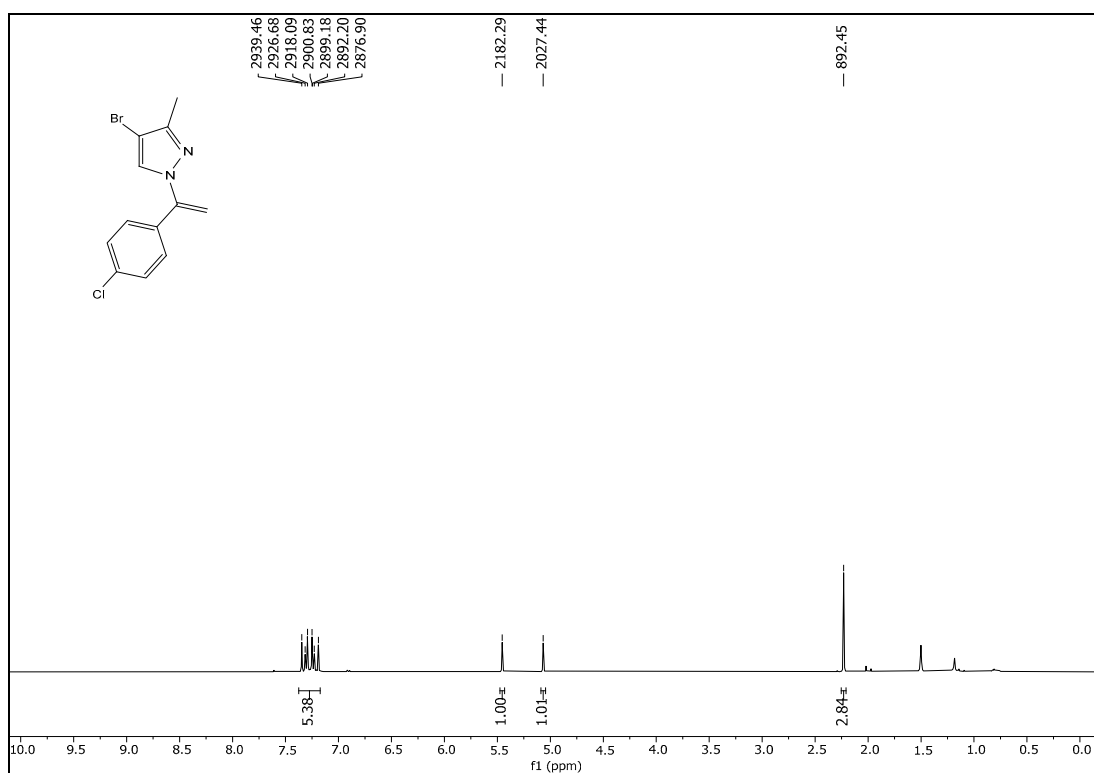


Figure S42. ¹H spectrum of compound **5n** in CDCl₃.

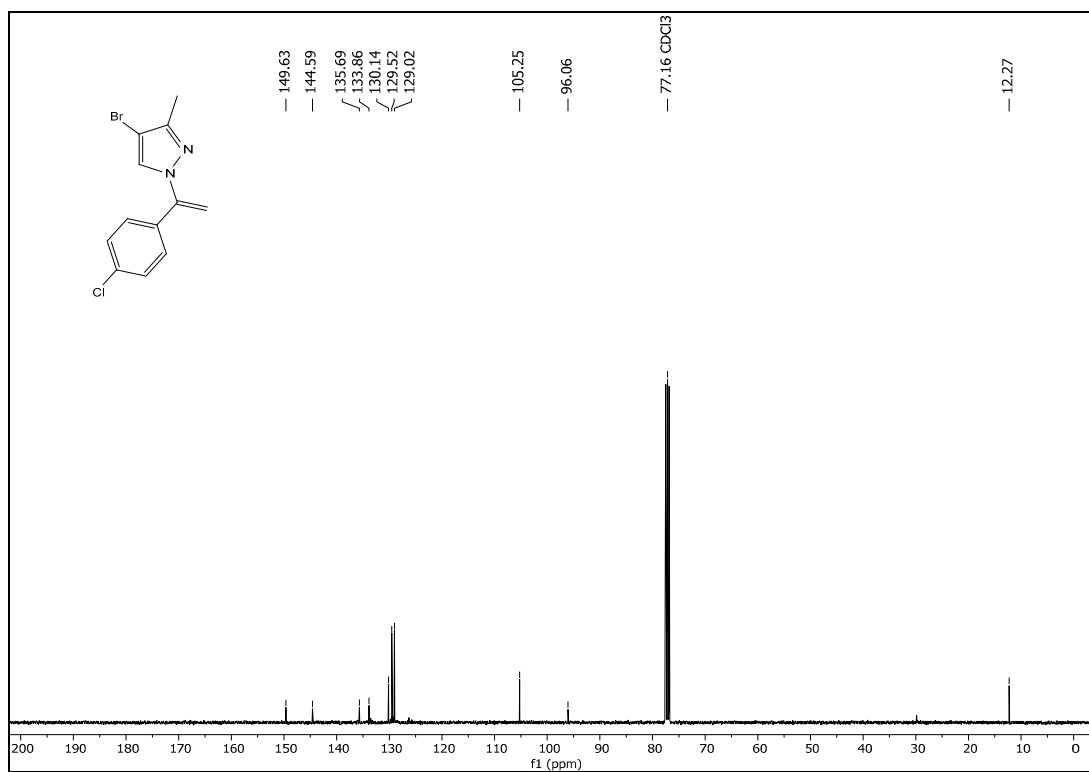


Figure S43. ¹³C spectrum of compound **5n** in CDCl₃.

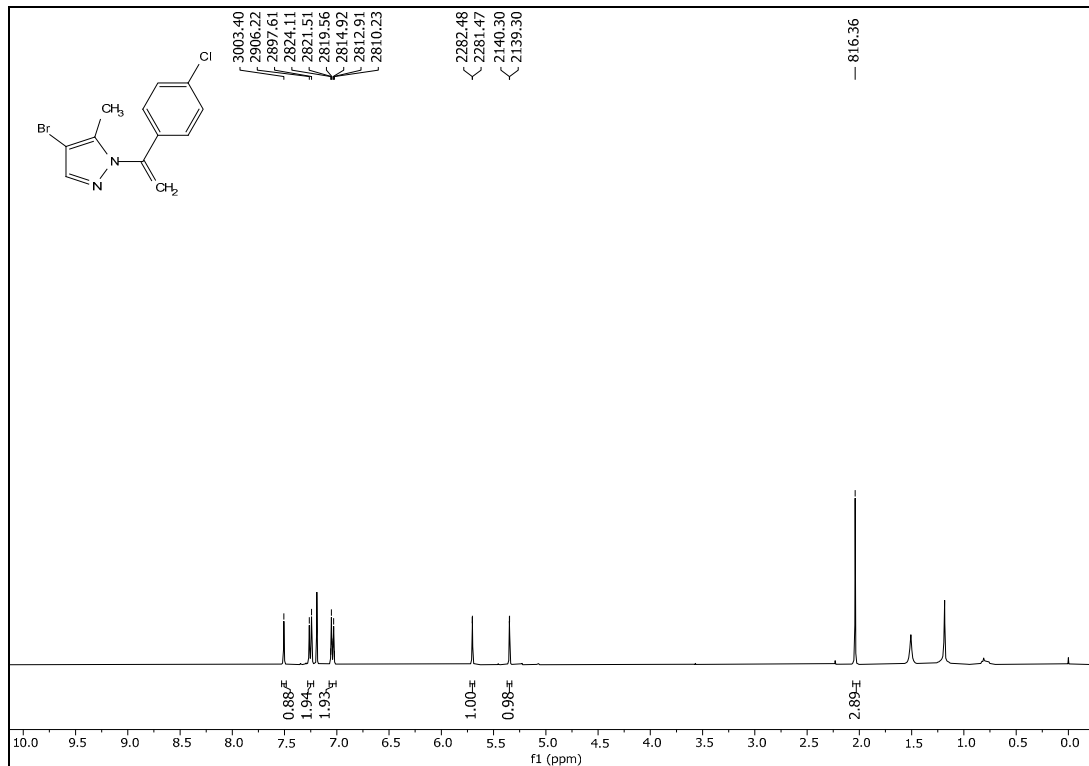


Figure S44. ¹H spectrum of compound **5n'** in CDCl₃.

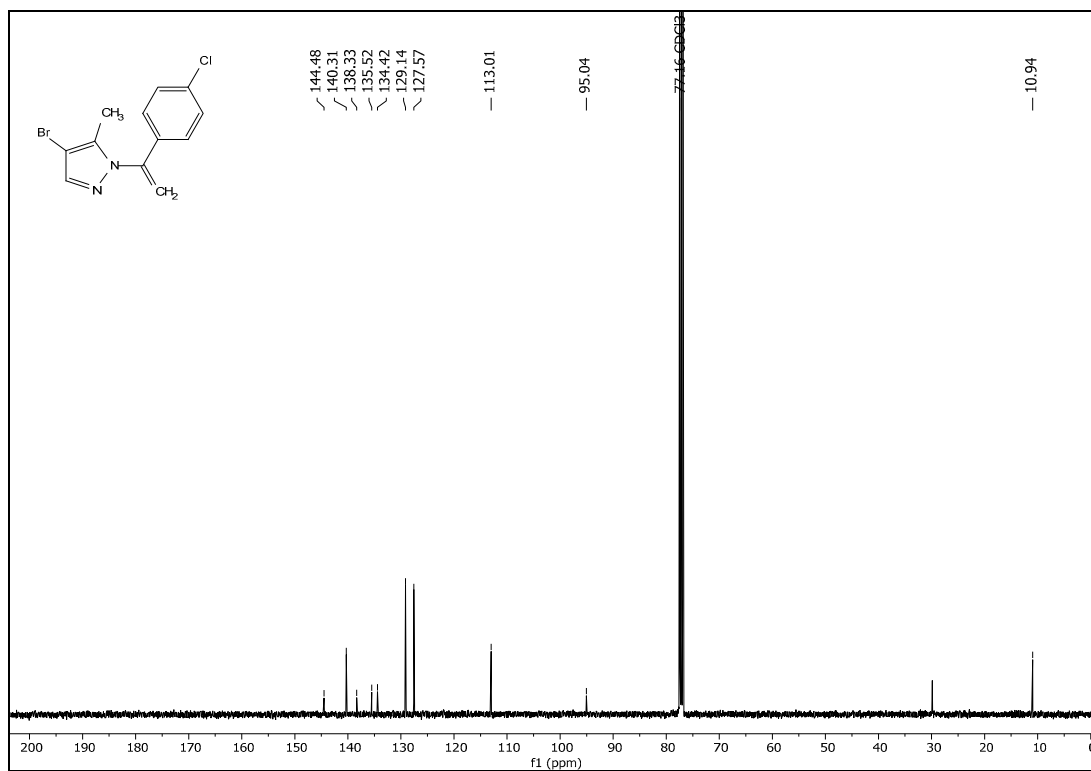


Figure S45. ^{13}C spectrum of compound **5n'** in CDCl_3 .

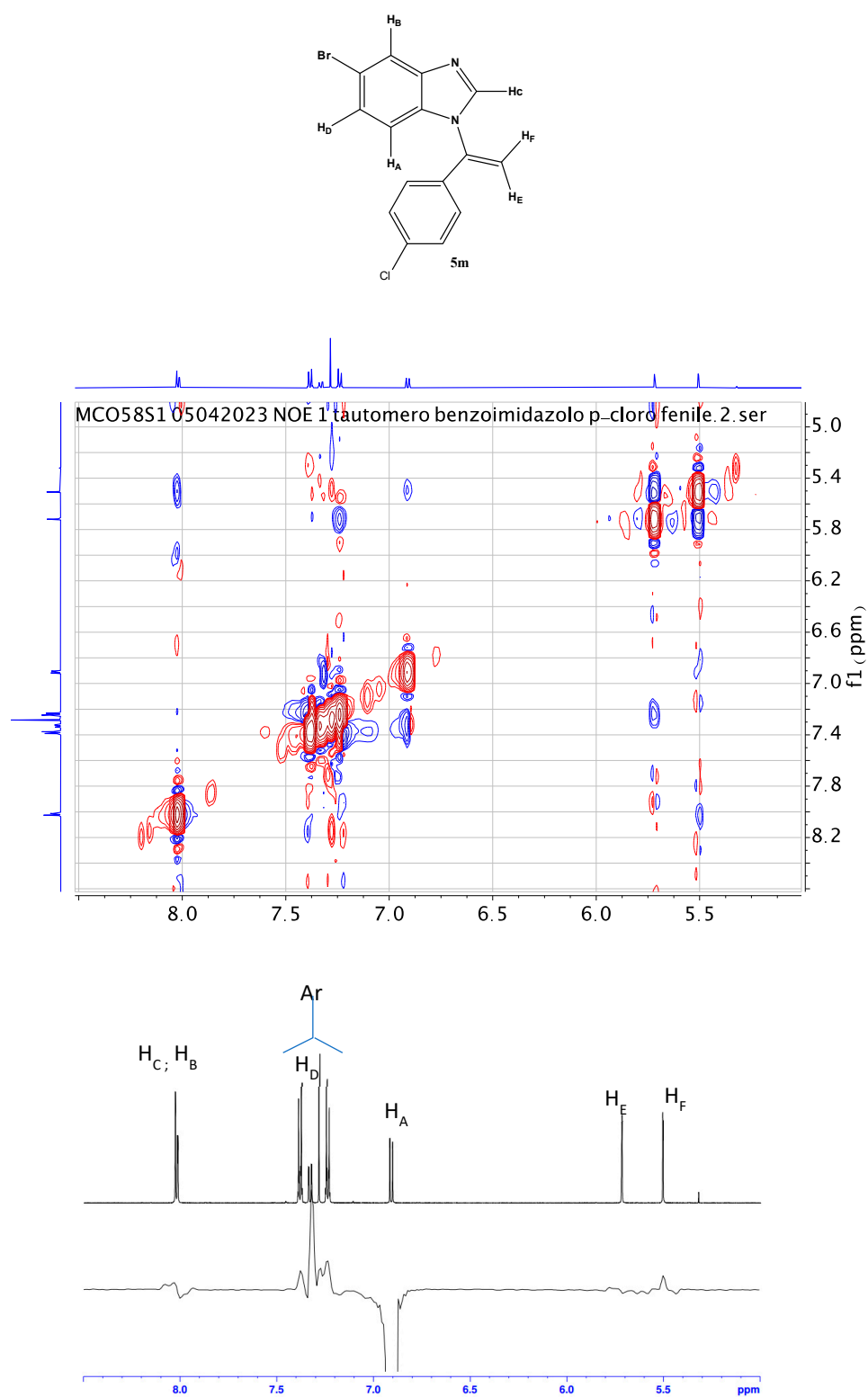


Figure S46. NOESY (600 MHz, CDCl₃) correlations of compound **5m**.

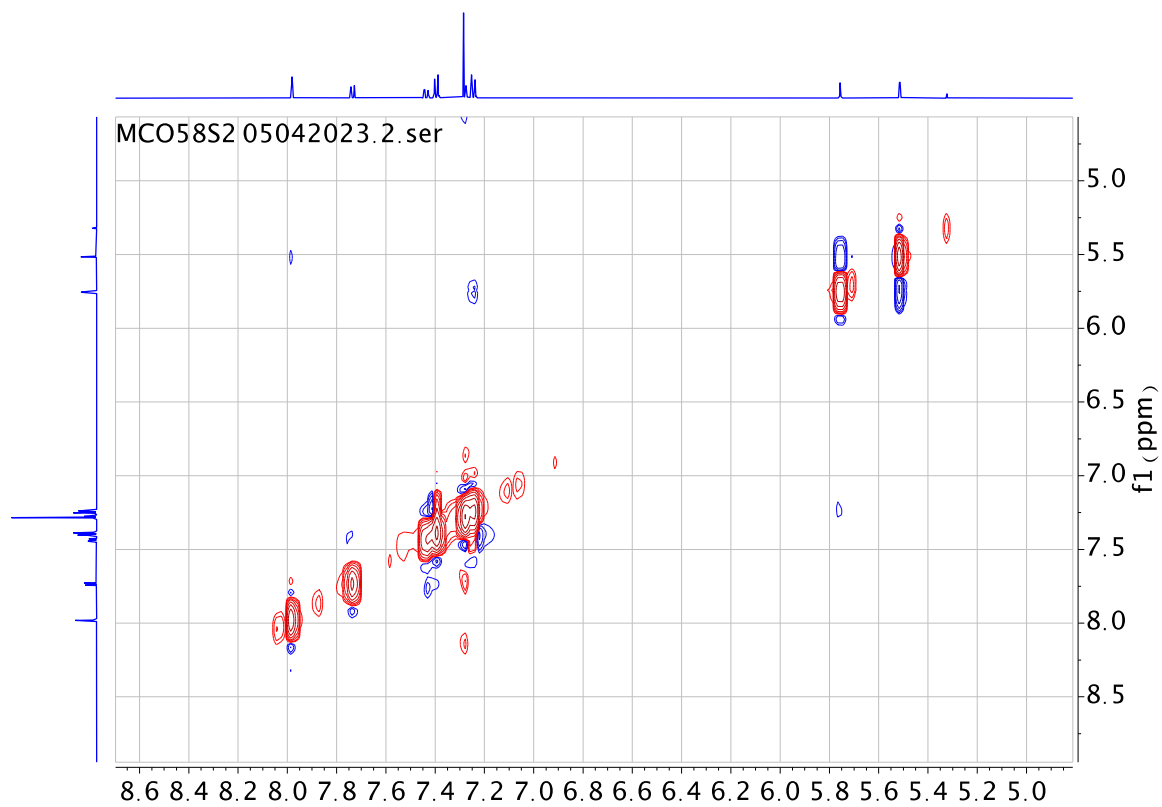
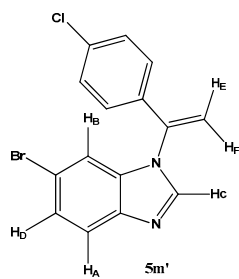


Figure S47. NOESY (600 MHz, $CDCl_3$) correlations of compound **5m'**.

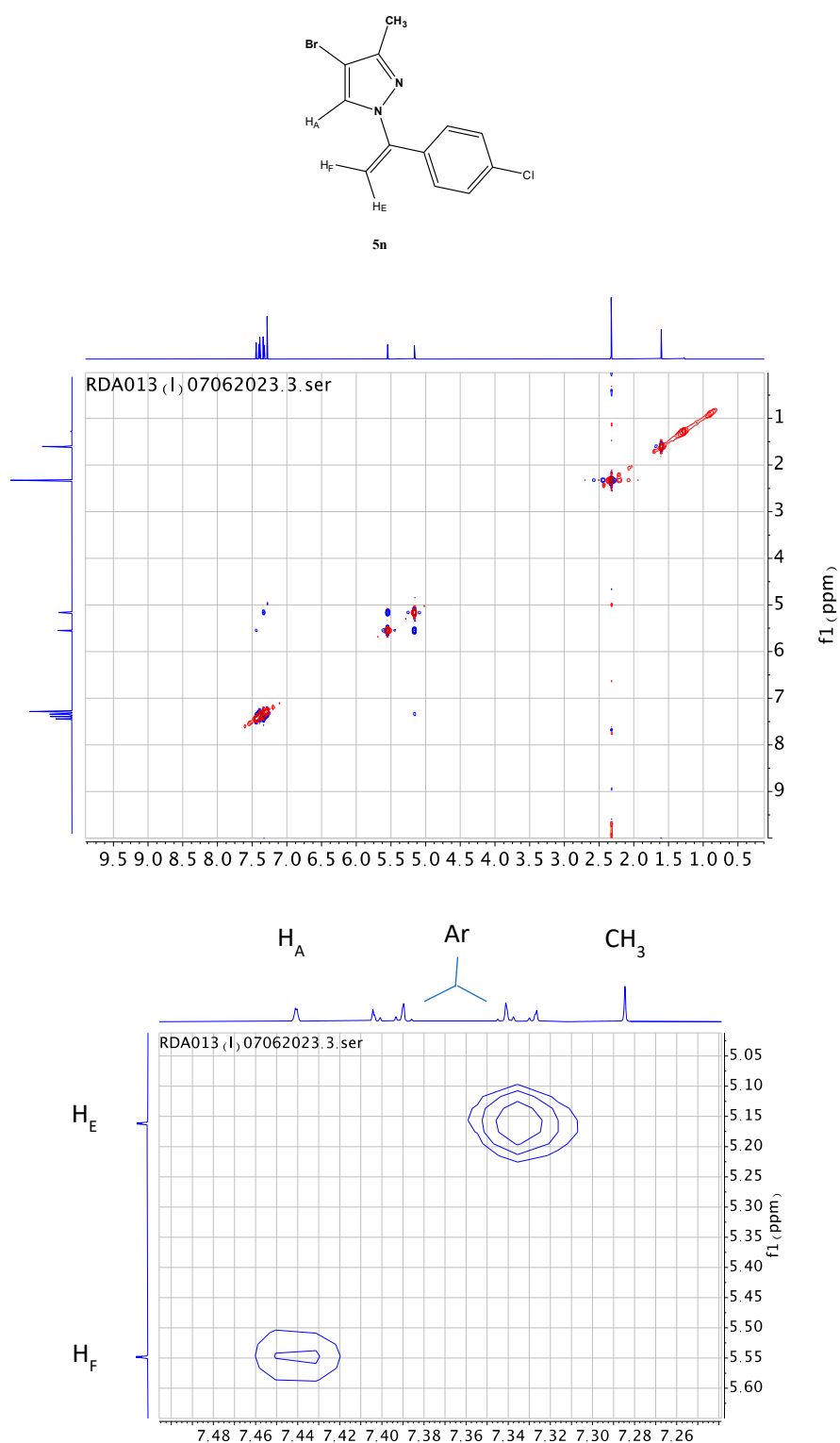


Figure S48. NOESY (600 MHz, CDCl_3) correlations of compound **5n**.

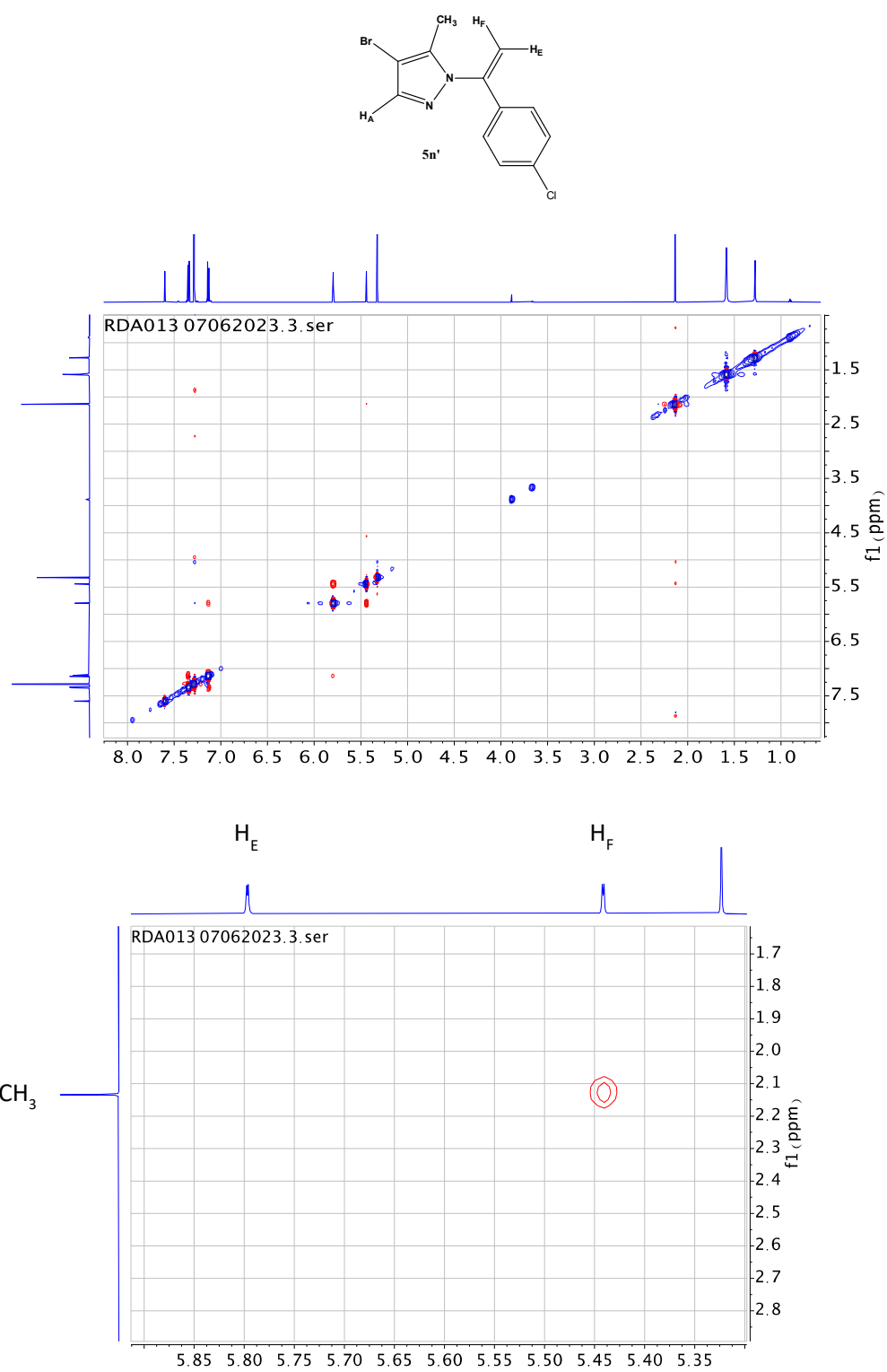


Figure S49. NOESY (600 MHz, CDCl_3) correlations of compound **5n'**.

References

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