

Supporting Information

Discovery of Novel *N*-Pyridylpyrazole Thiazole Derivatives as Insecticide Leads

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¹H NMR and ¹³C NMR spectra (Figure S1–S50)

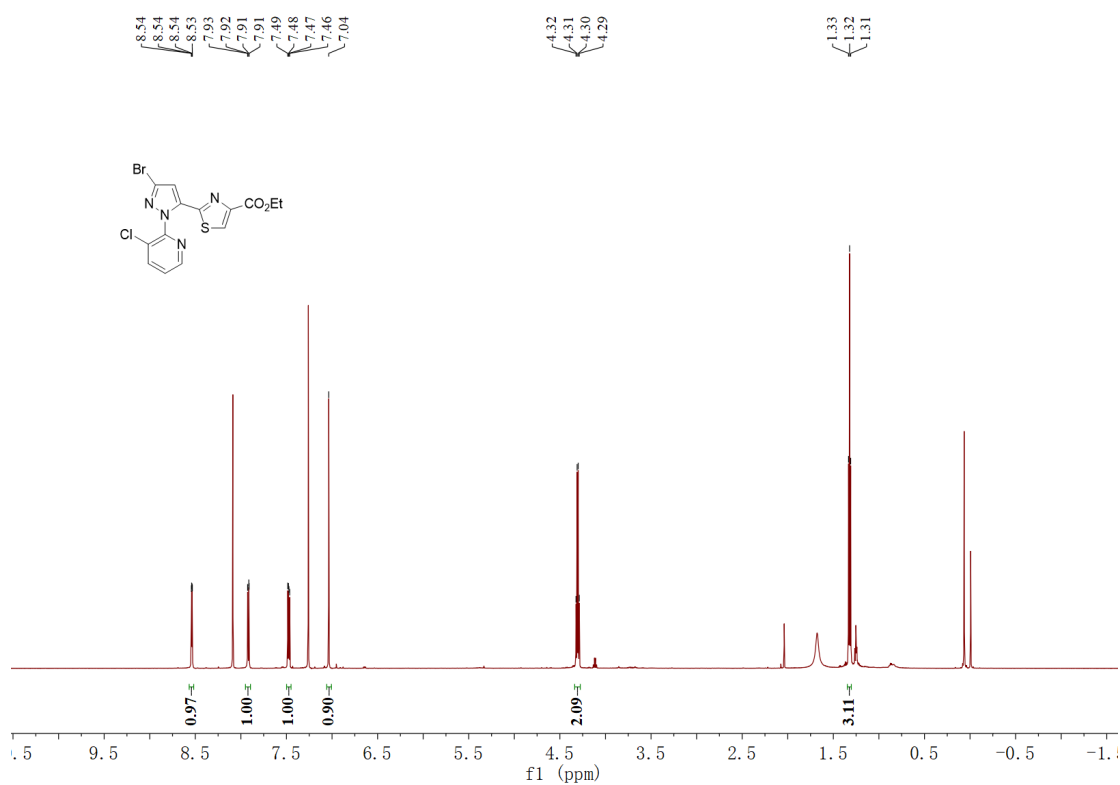


Figure S1. ¹H NMR spectrum of Compound 4

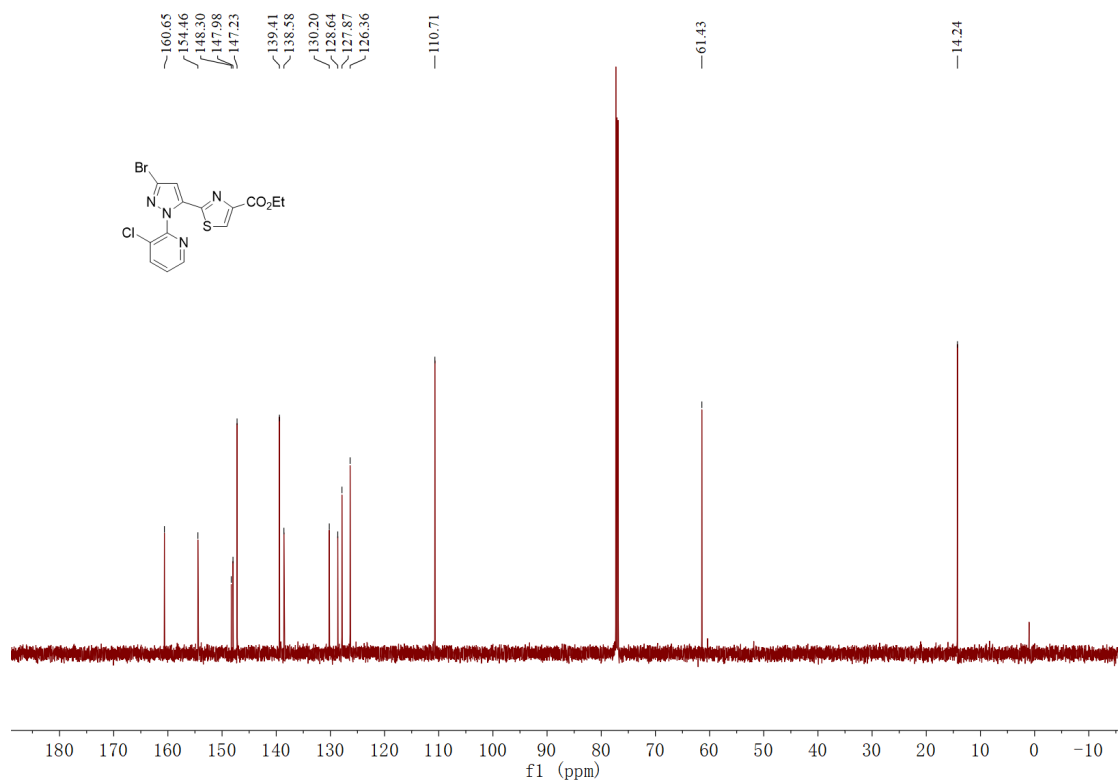


Figure S2. ¹³C NMR spectrum of Compound 4

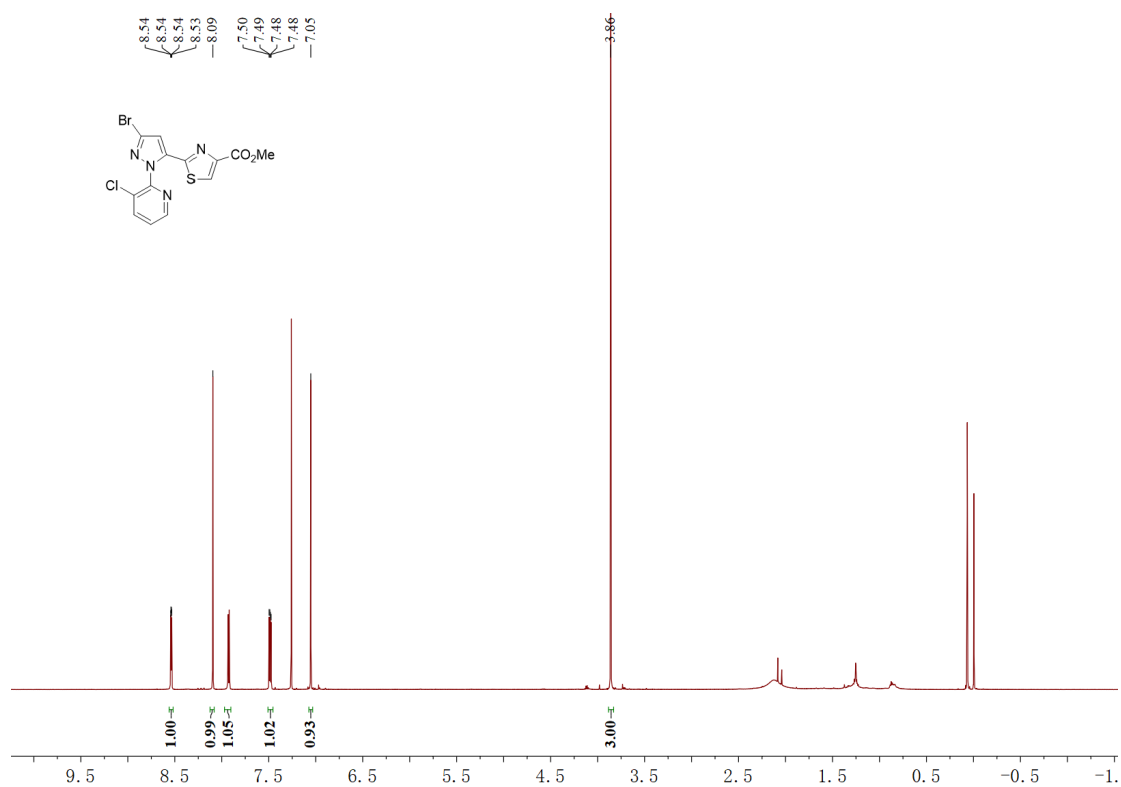


Figure S3. ¹H NMR spectrum of Compound 6a

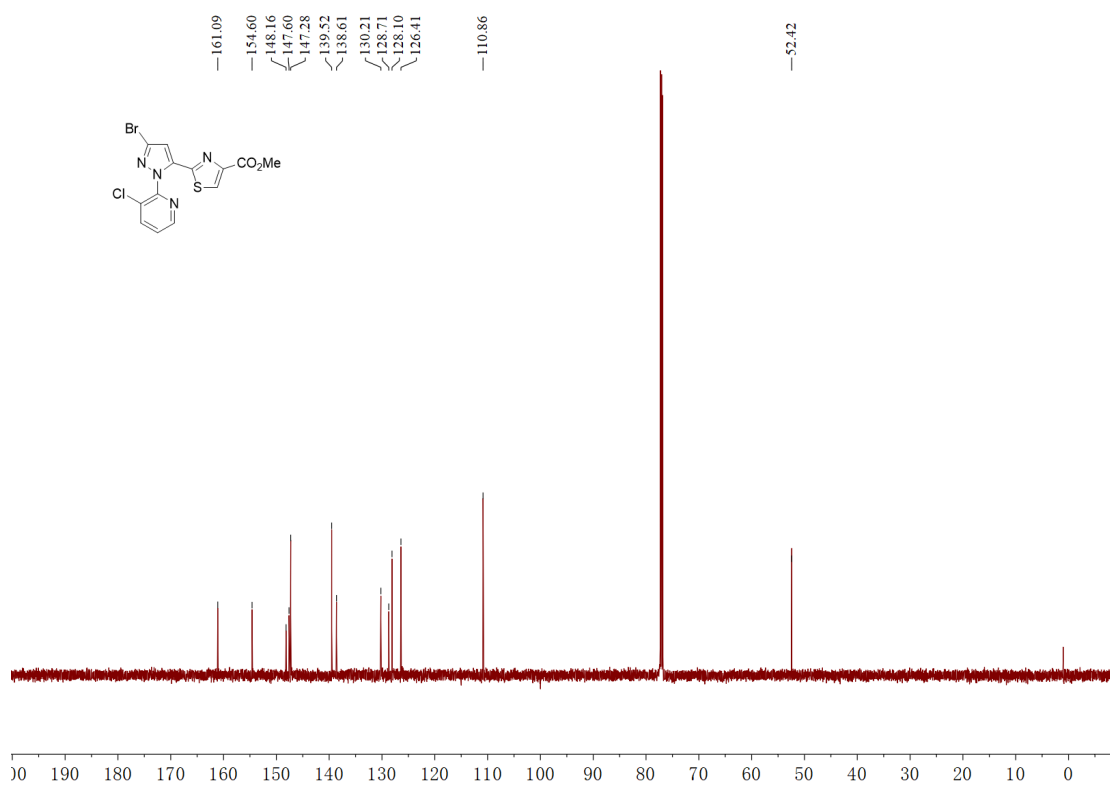


Figure S4. ¹³C NMR spectrum of Compound 6a

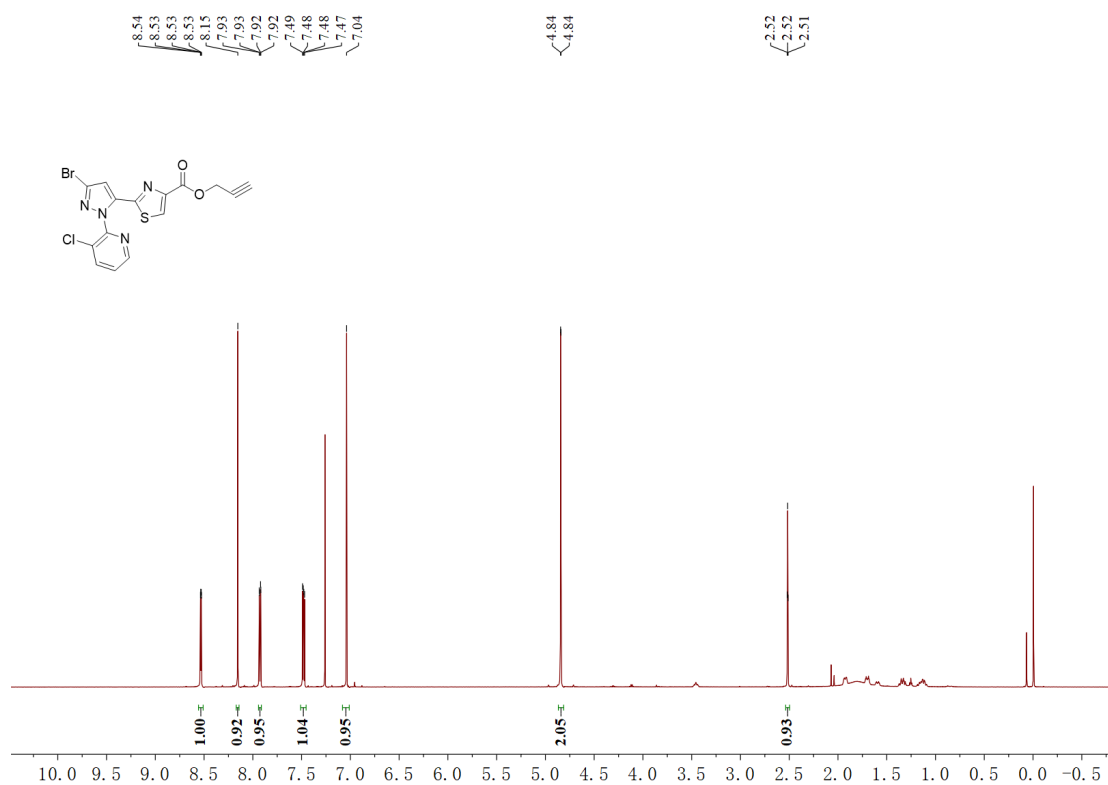


Figure S5. ¹H NMR spectrum of Compound 6b

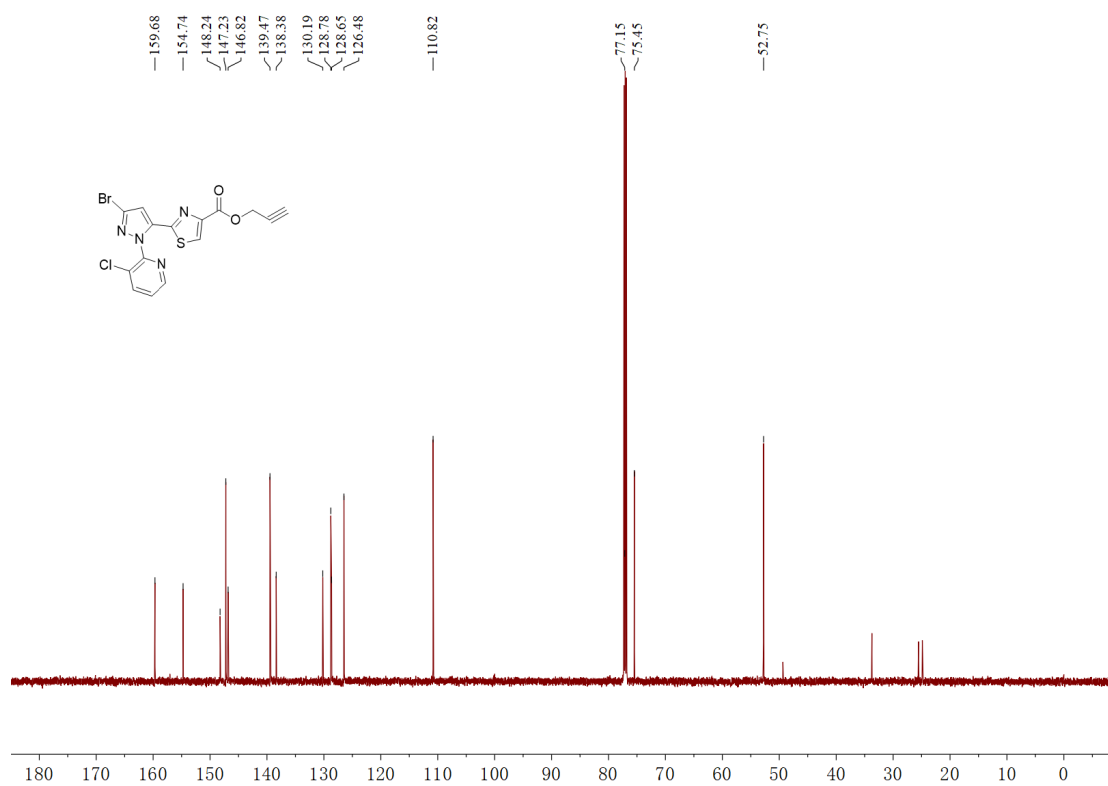


Figure S6. ¹³C NMR spectrum of Compound 6b

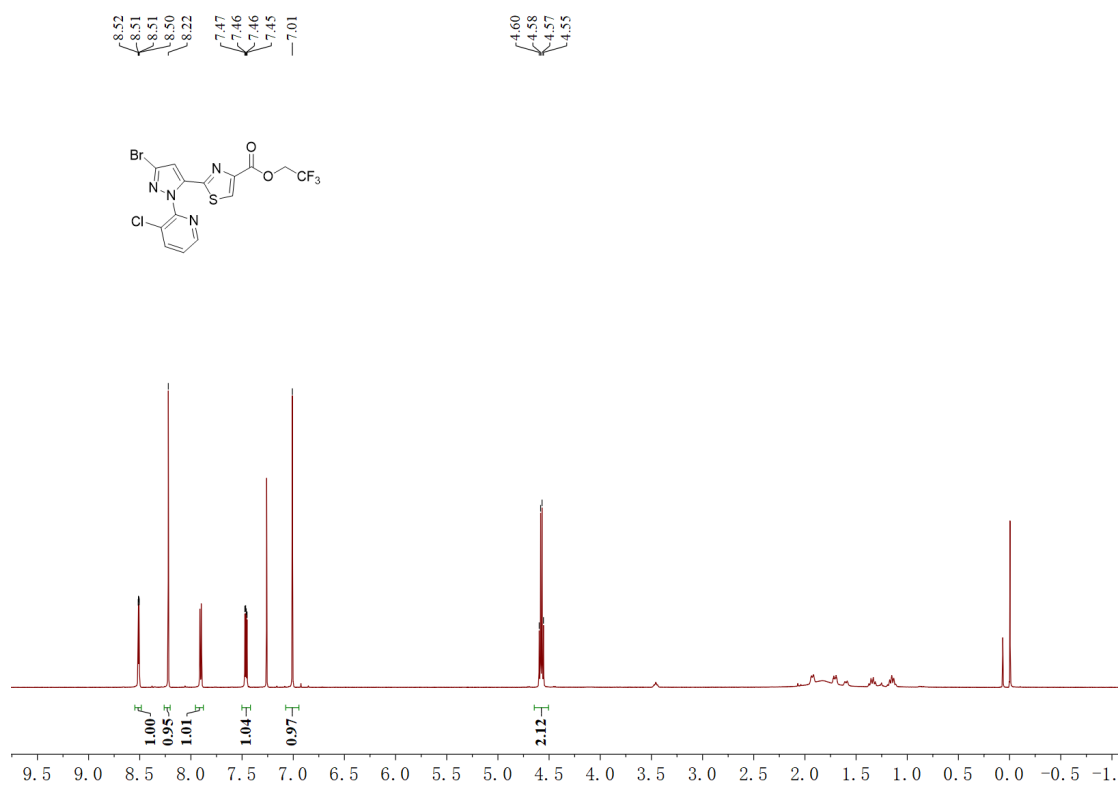


Figure S7. ¹H NMR spectrum of Compound 6c

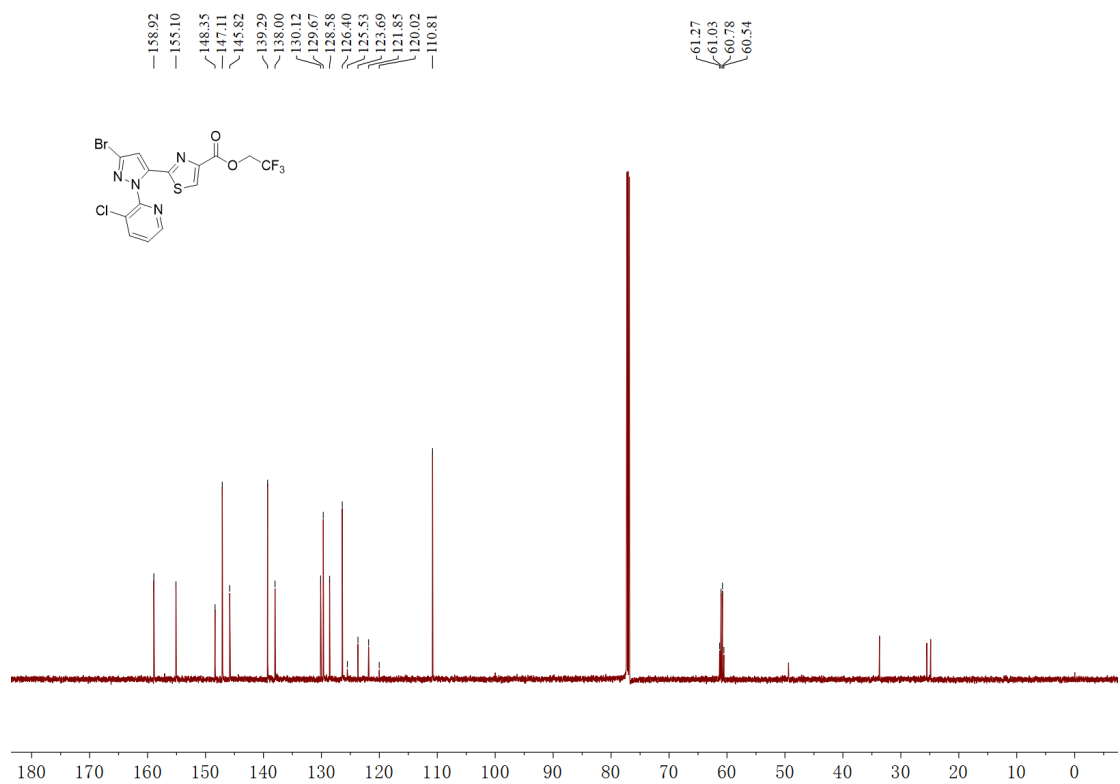


Figure S8. ¹³C NMR spectrum of Compound 6c

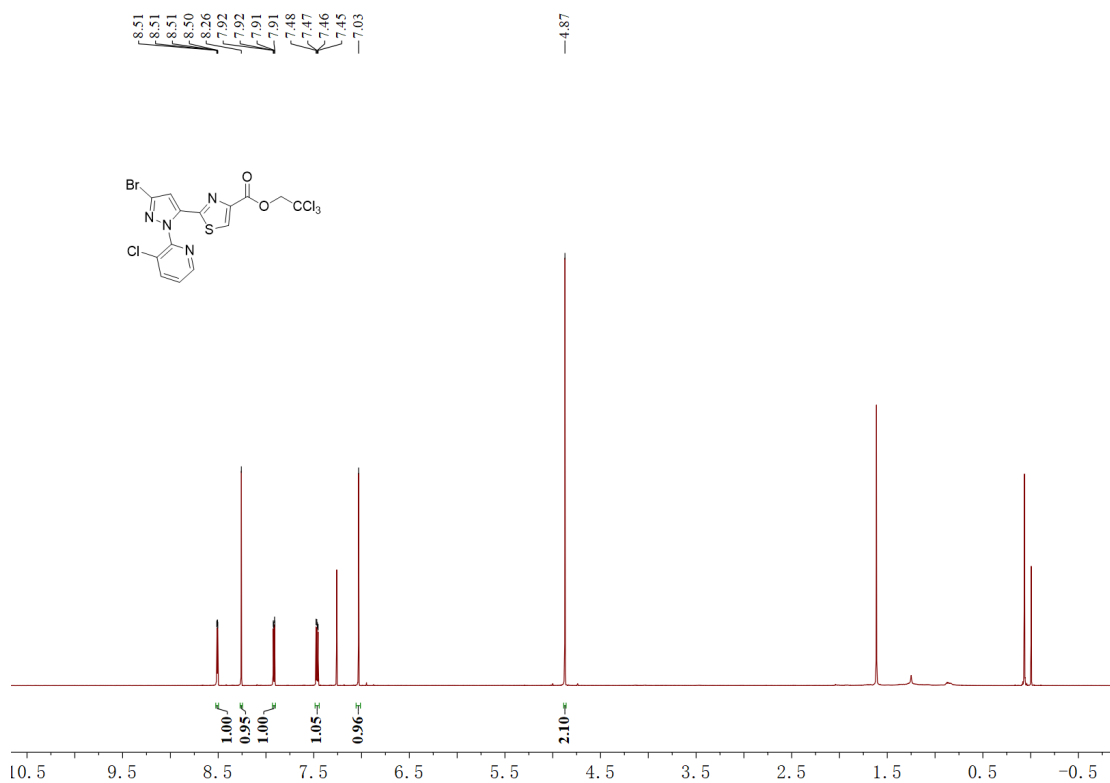


Figure S9. ¹H NMR spectrum of Compound 6d

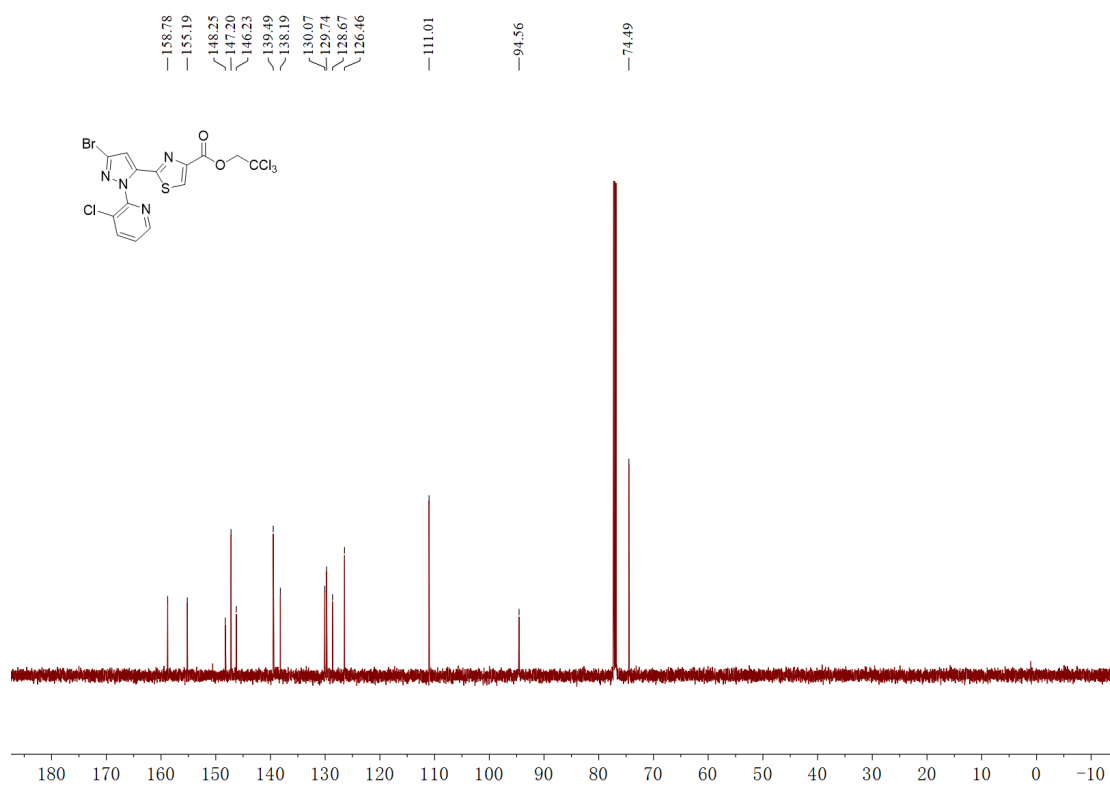


Figure S10. ¹³C NMR spectrum of Compound 6d

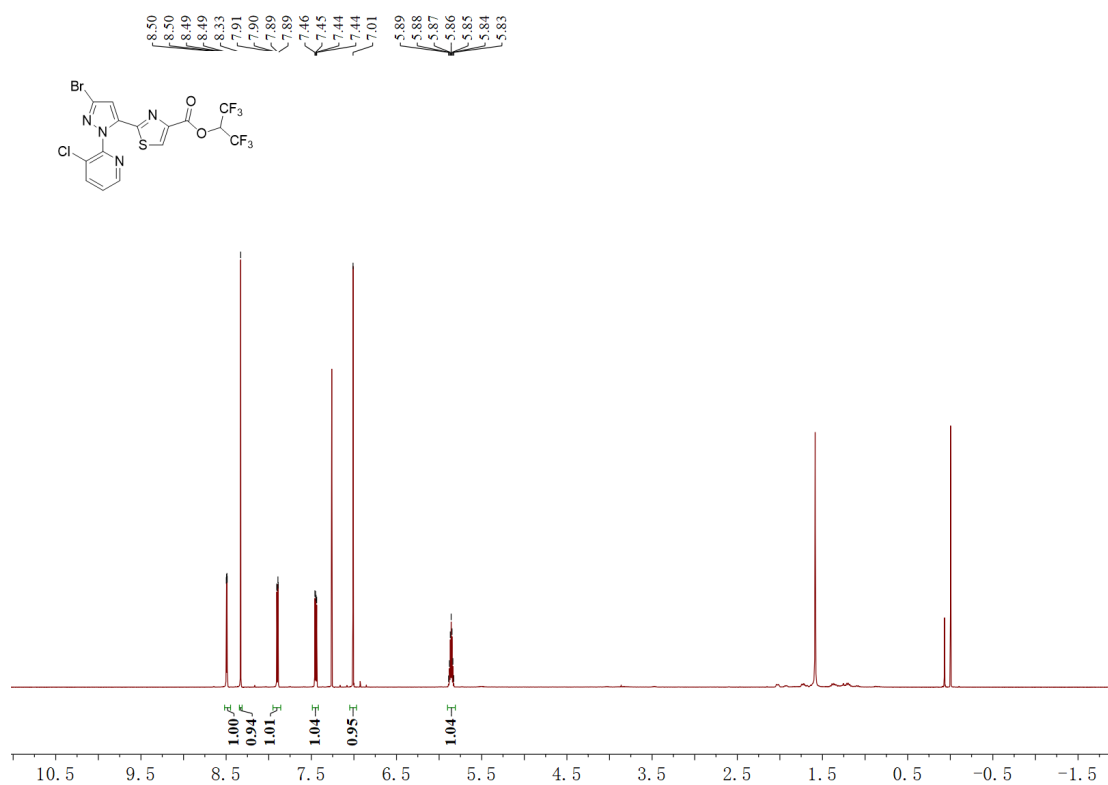


Figure S11. ¹H NMR spectrum of Compound 6e

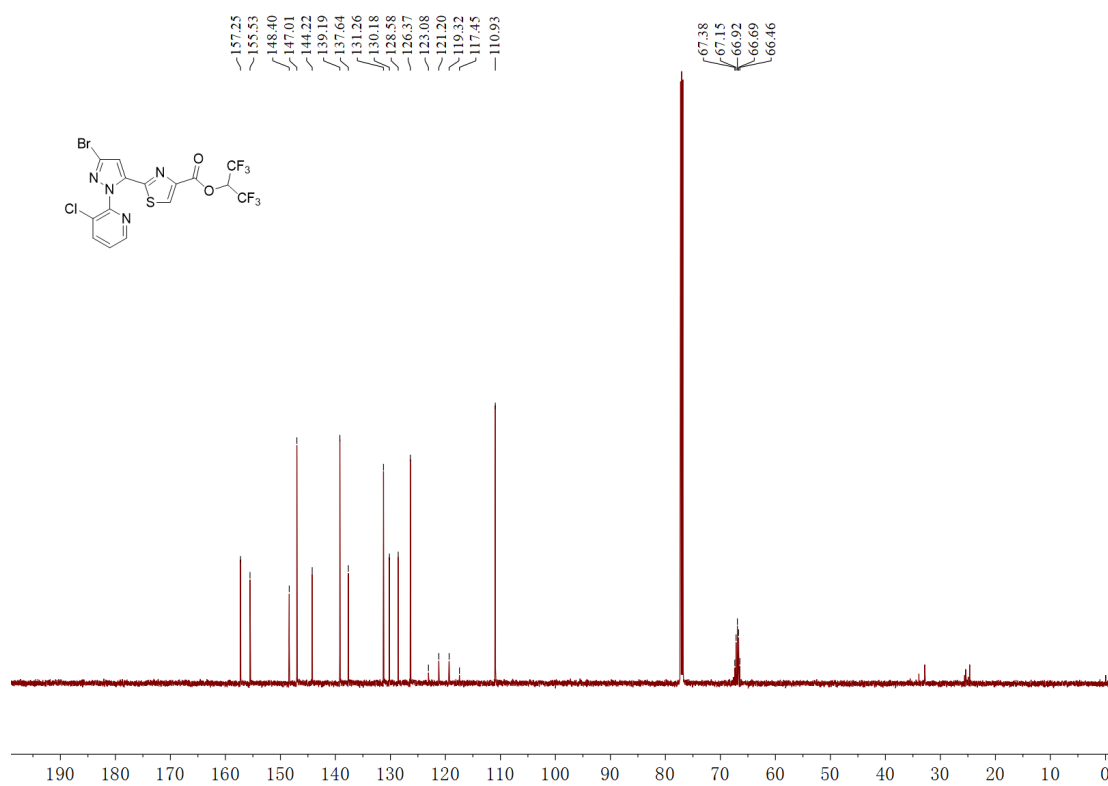


Figure S12. ¹³C NMR spectrum of Compound 6e

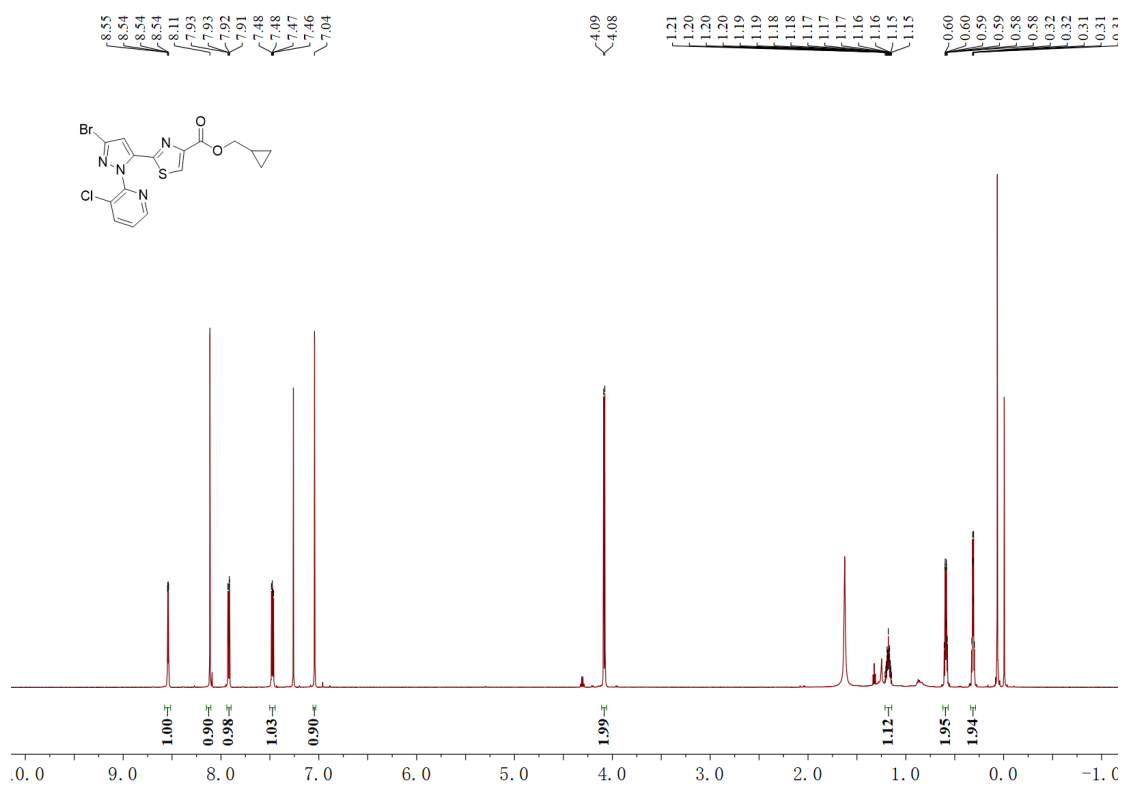


Figure S13. ¹H NMR spectrum of Compound 6f

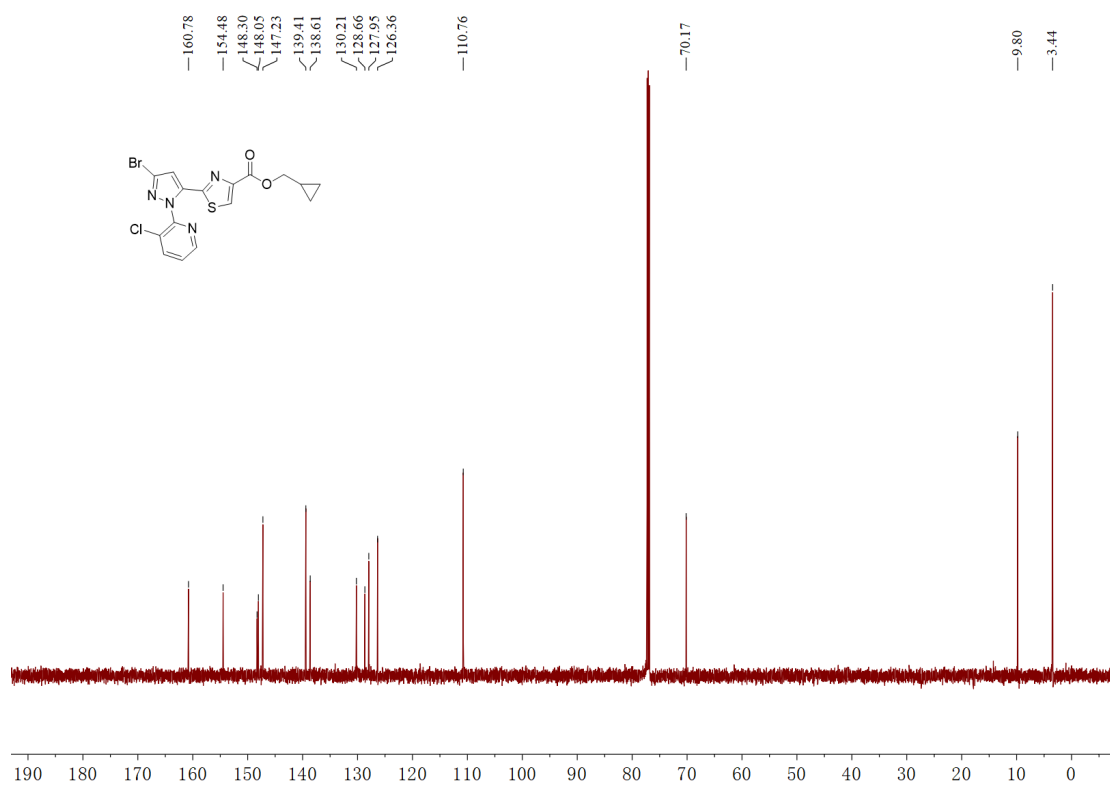


Figure S14. ¹³C NMR spectrum of Compound 6f

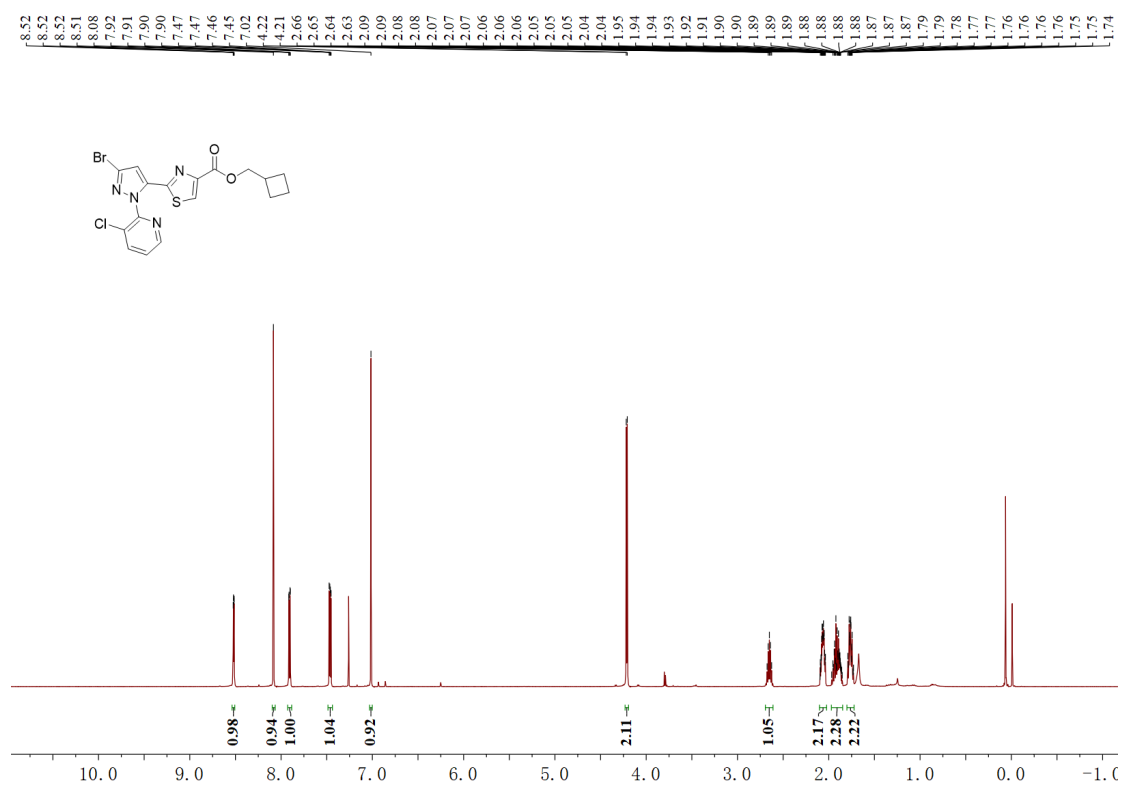


Figure S15. ¹H NMR spectrum of Compound 6g

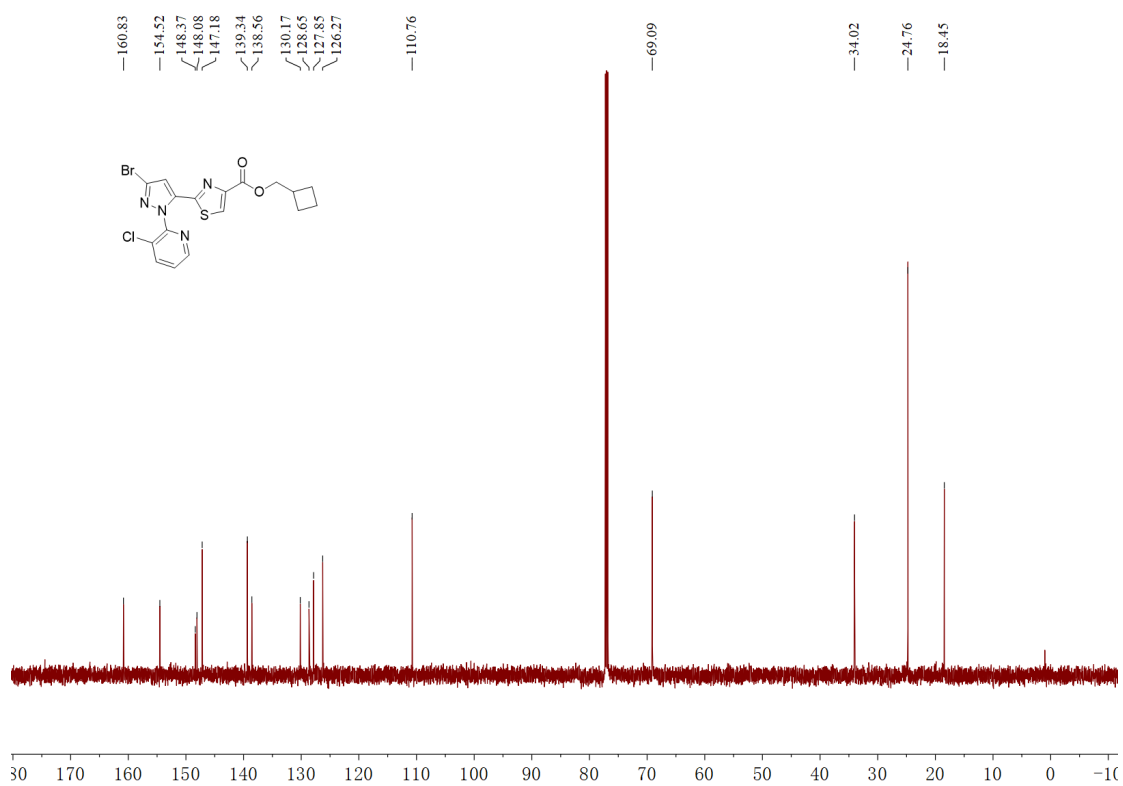


Figure S16. ¹³C NMR spectrum of Compound 6g

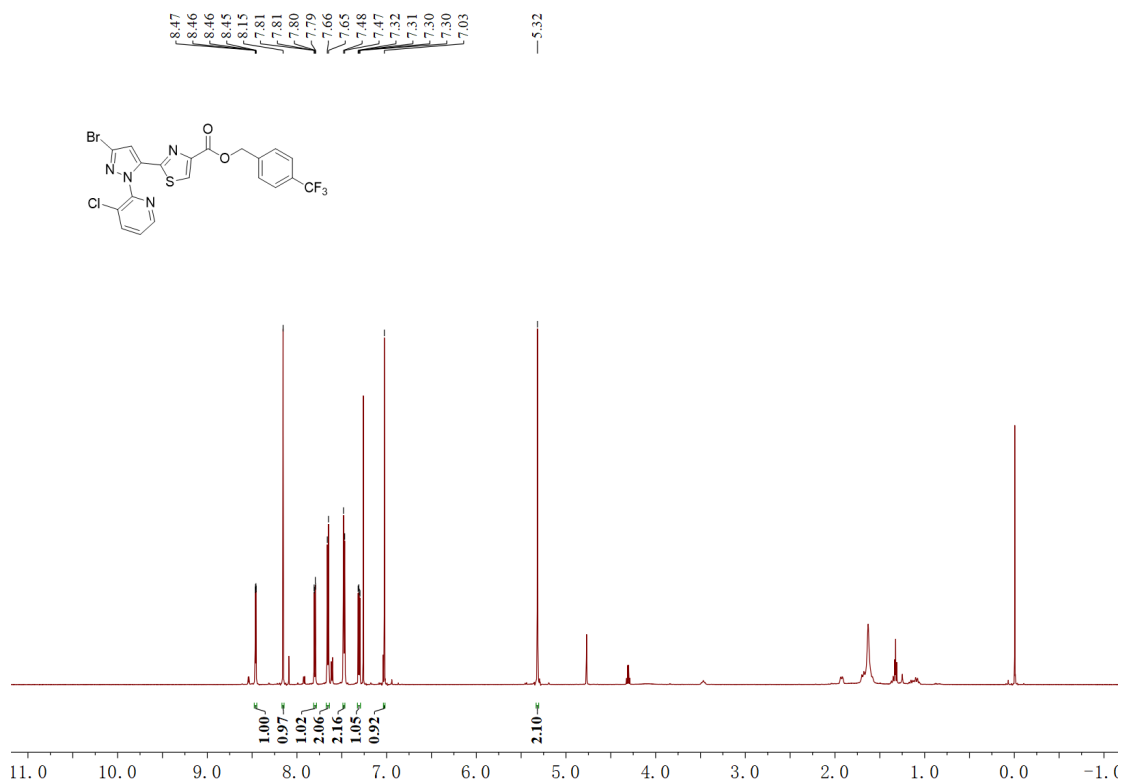


Figure S17. ¹H NMR spectrum of Compound 6h

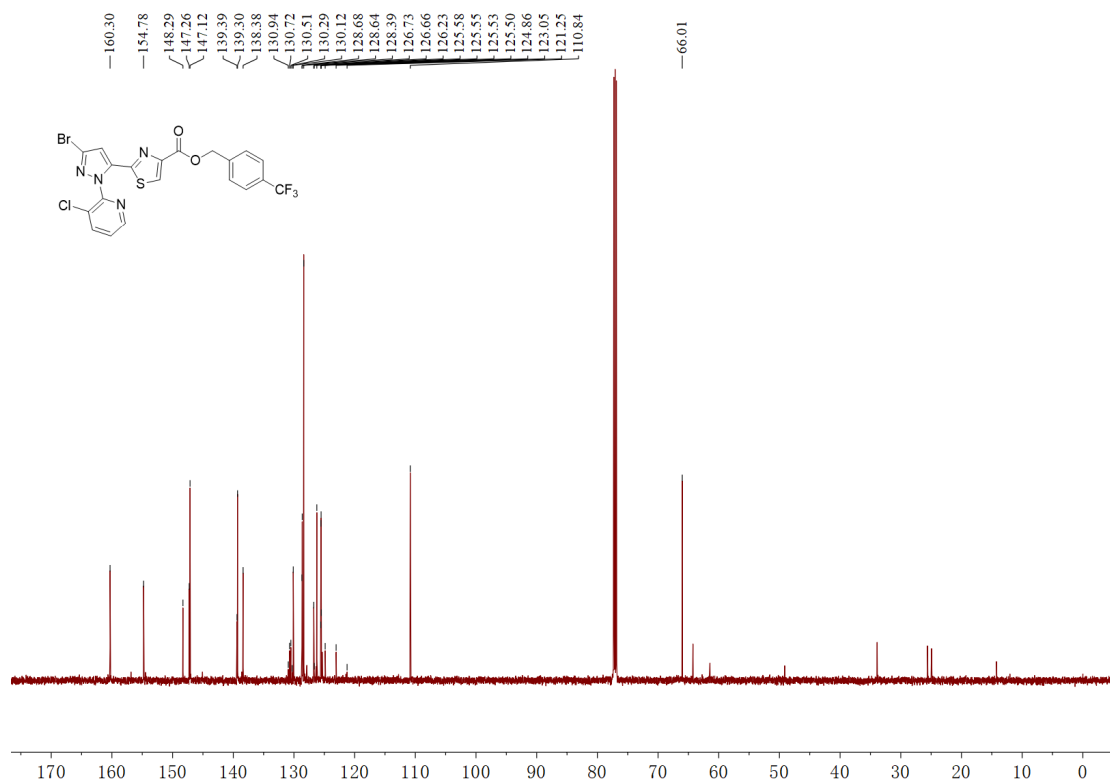


Figure S18. ¹³C NMR spectrum of Compound 6h

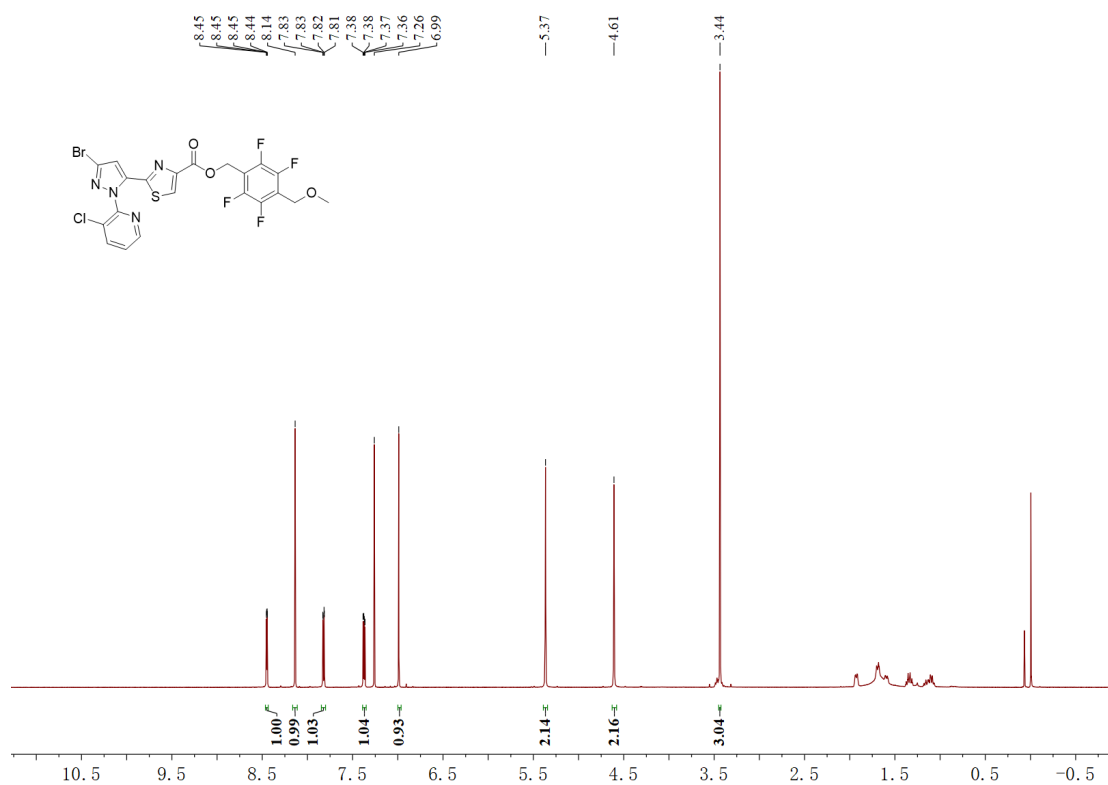


Figure S19. ¹H NMR spectrum of Compound 6i

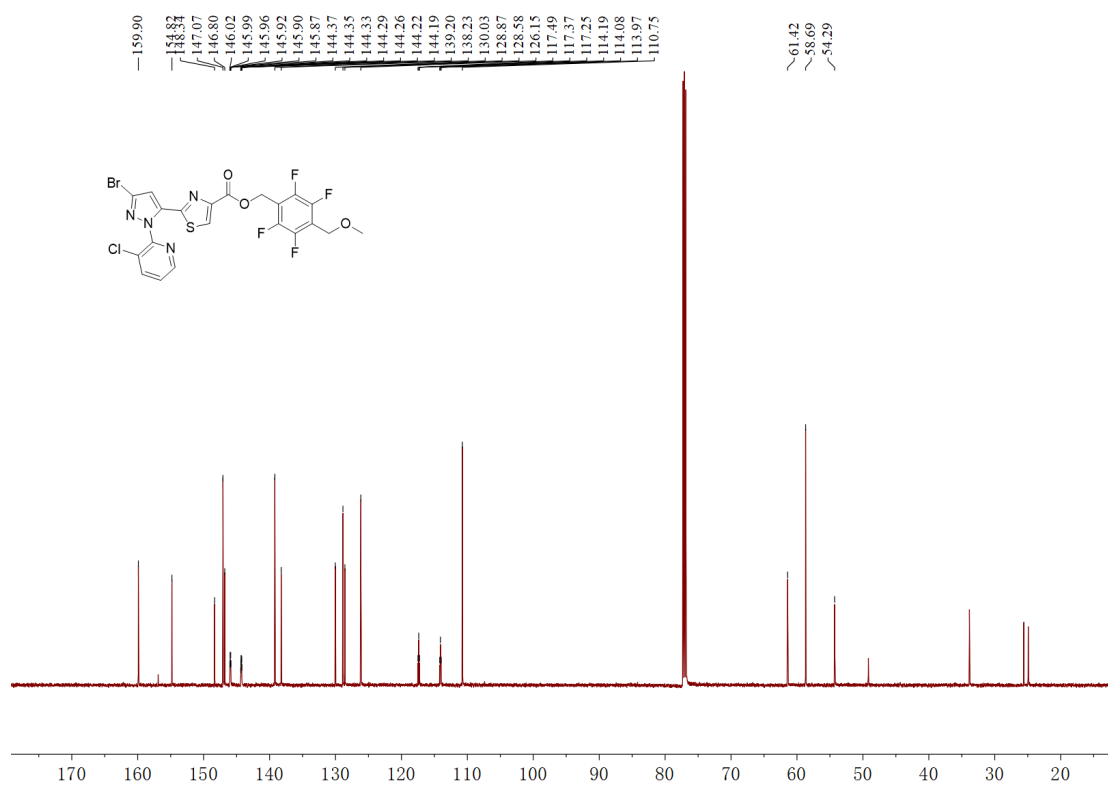


Figure S20. ¹³C NMR spectrum of Compound 6i

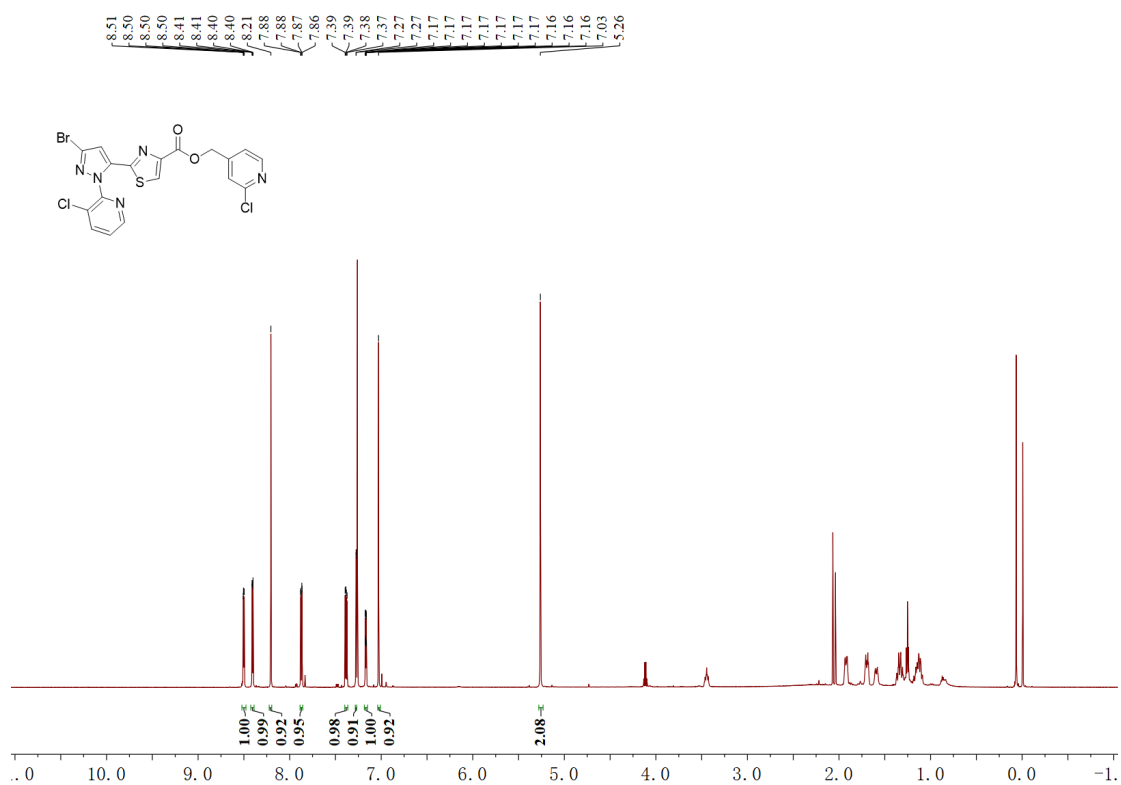


Figure S21. ¹H NMR spectrum of Compound 6j

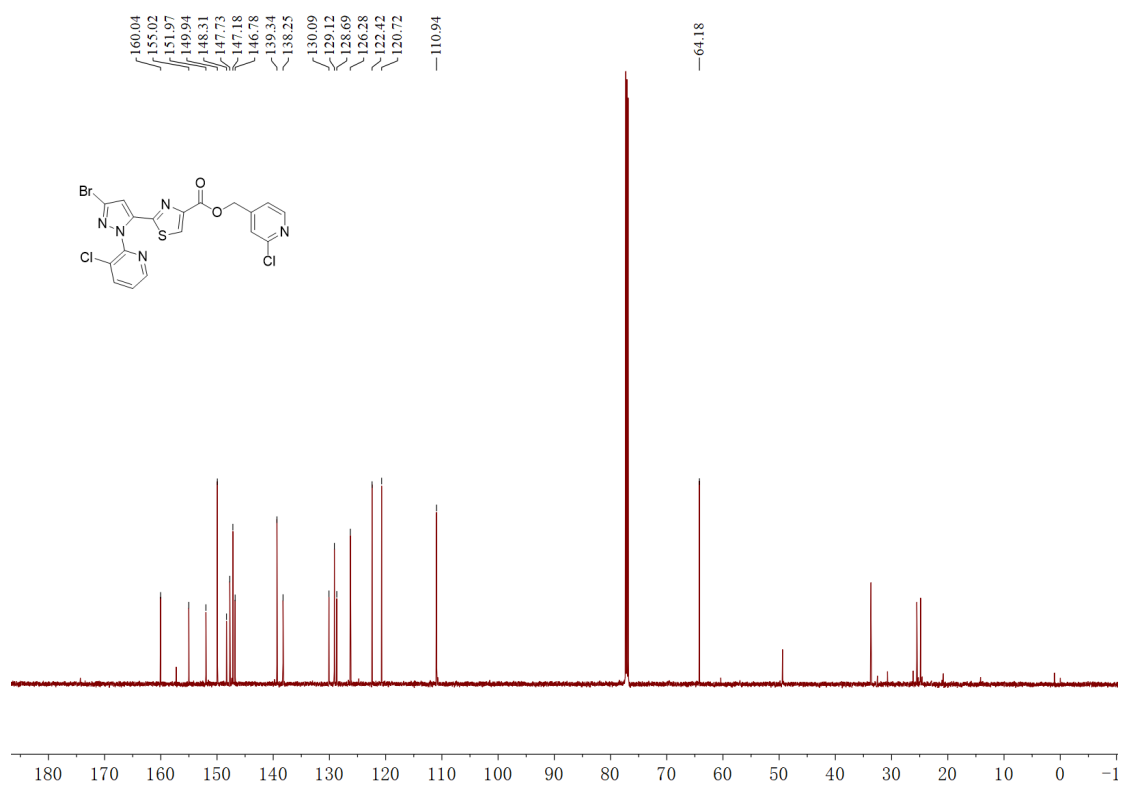


Figure S22. ¹³C NMR spectrum of Compound 6j

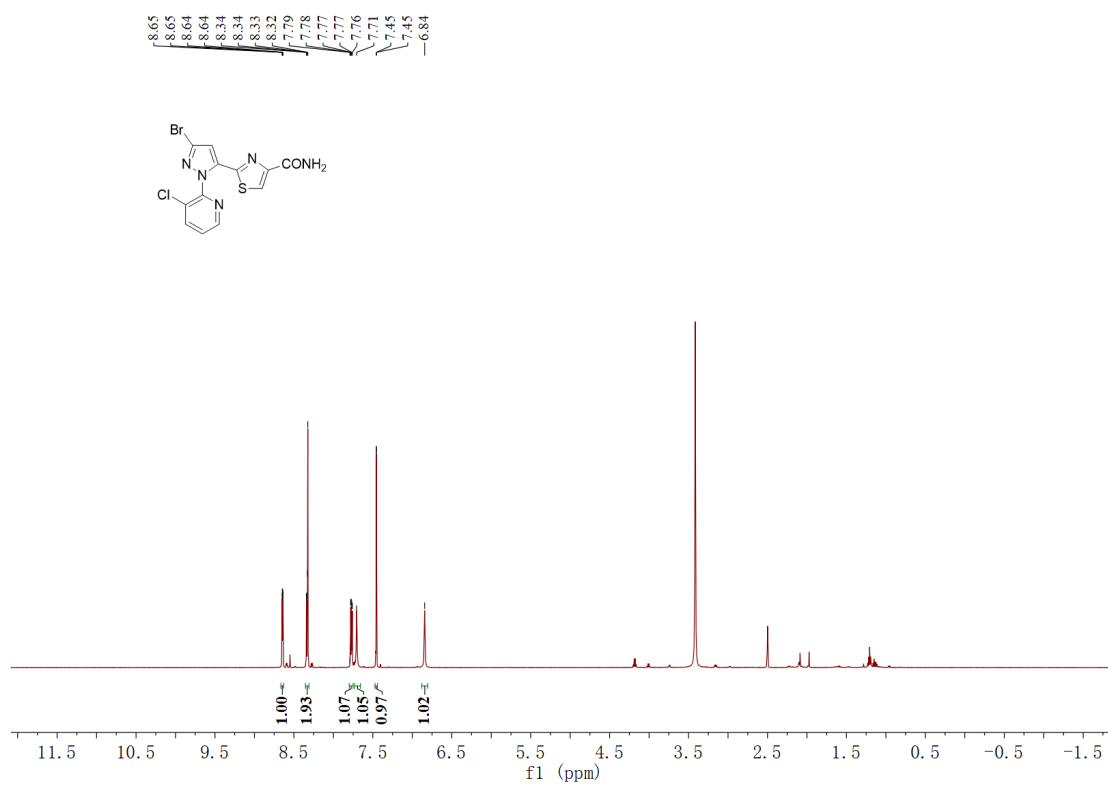


Figure S23. ¹H NMR spectrum of Compound 7a

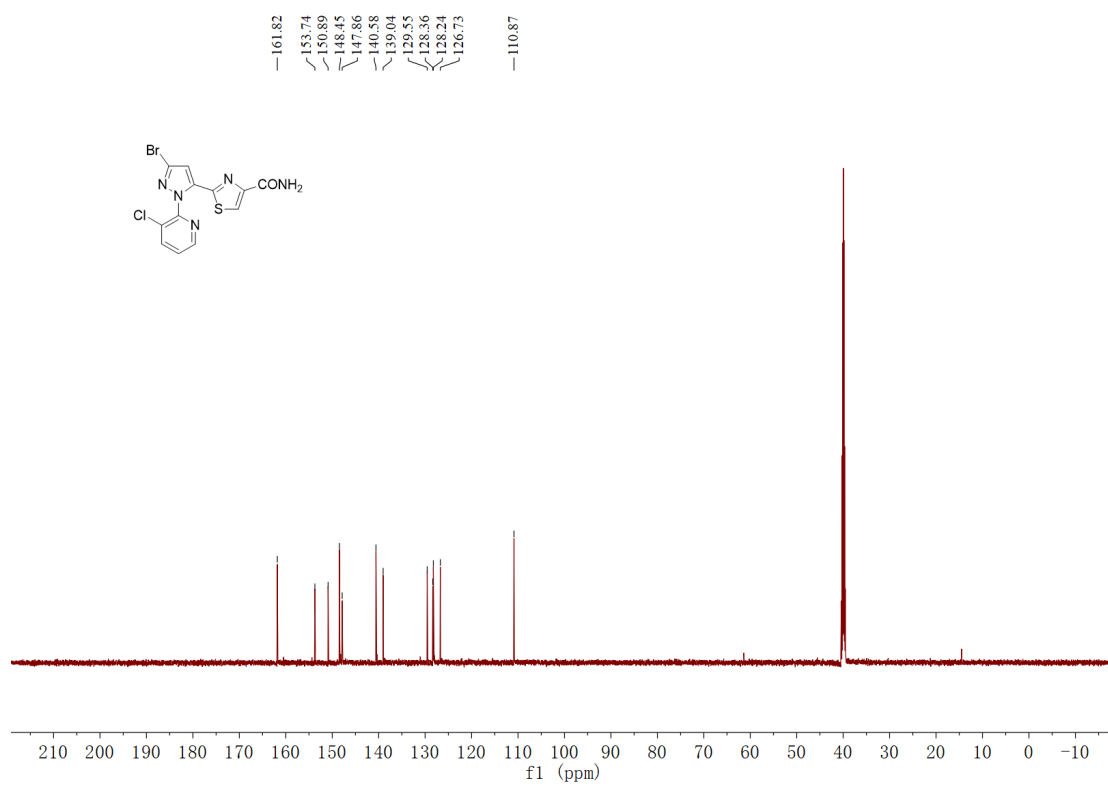


Figure S24. ¹³C NMR spectrum of Compound 7a

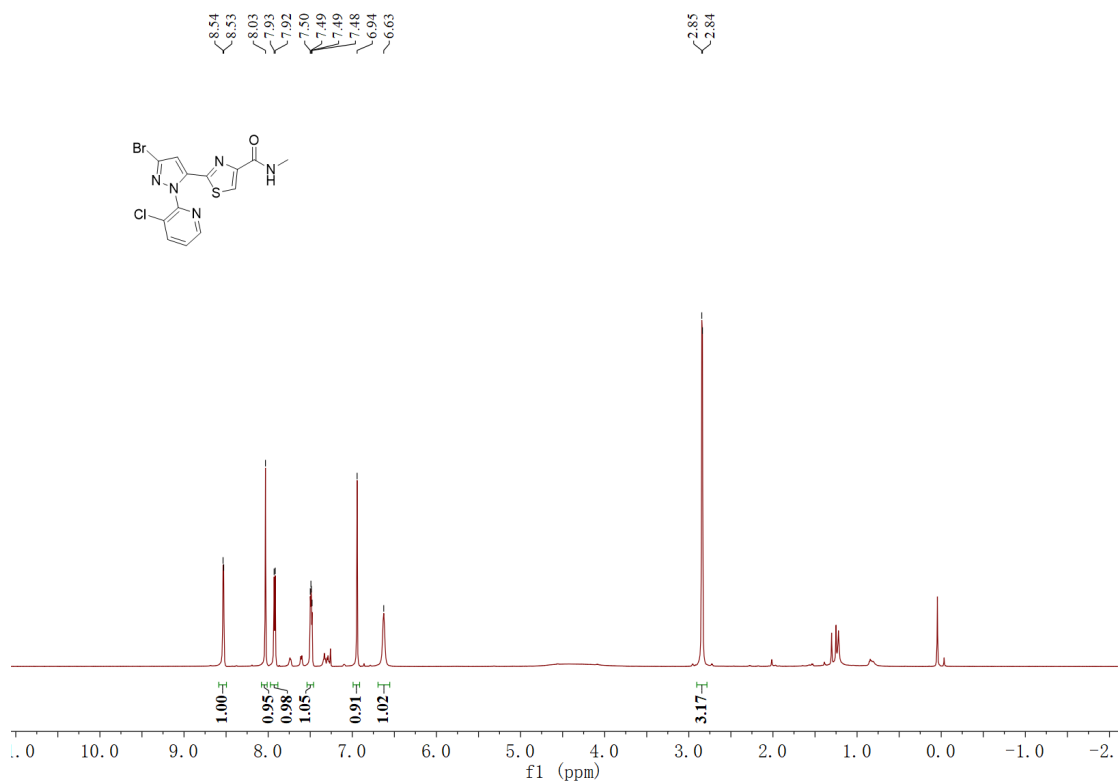


Figure S25. ¹H NMR spectrum of Compound 7b

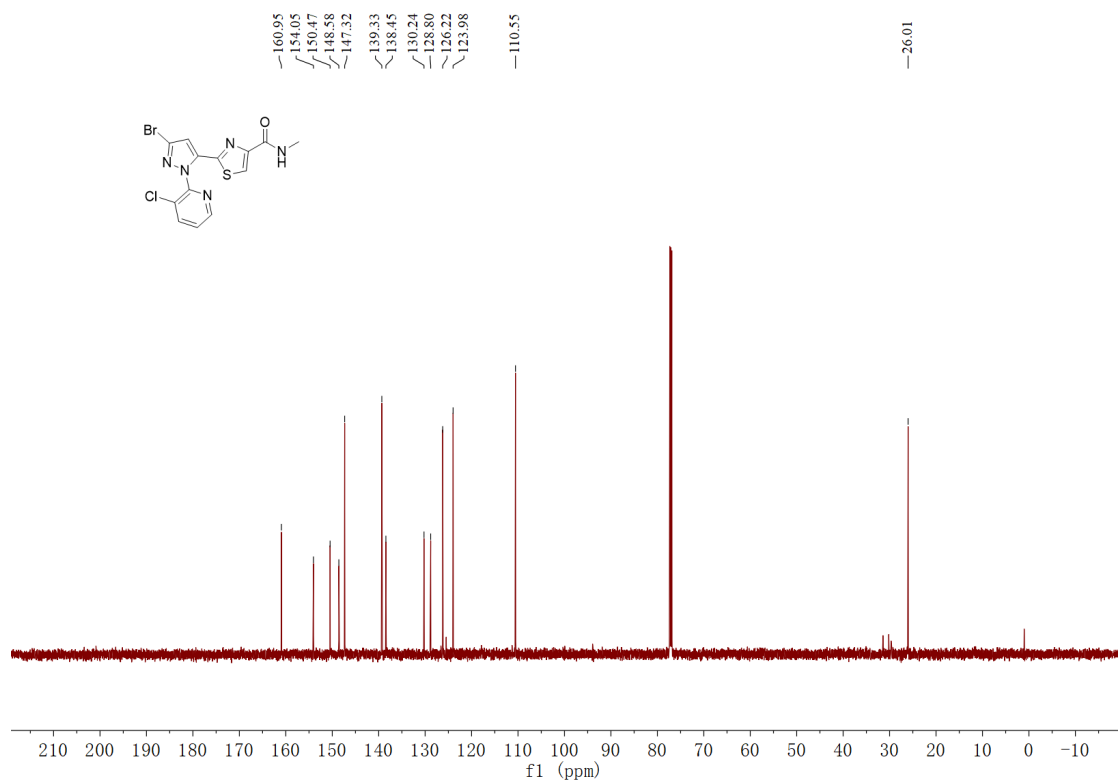


Figure S26. ¹³C NMR spectrum of Compound 7b

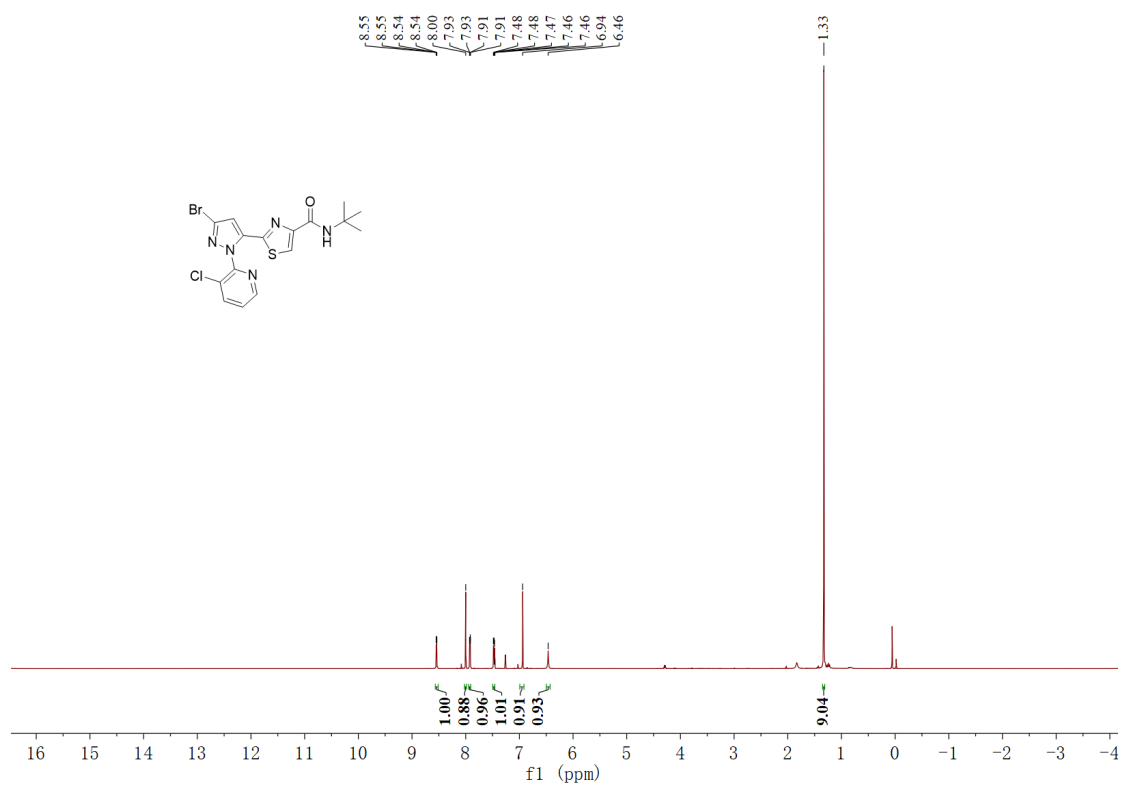


Figure S27. ¹H NMR spectrum of Compound 7c

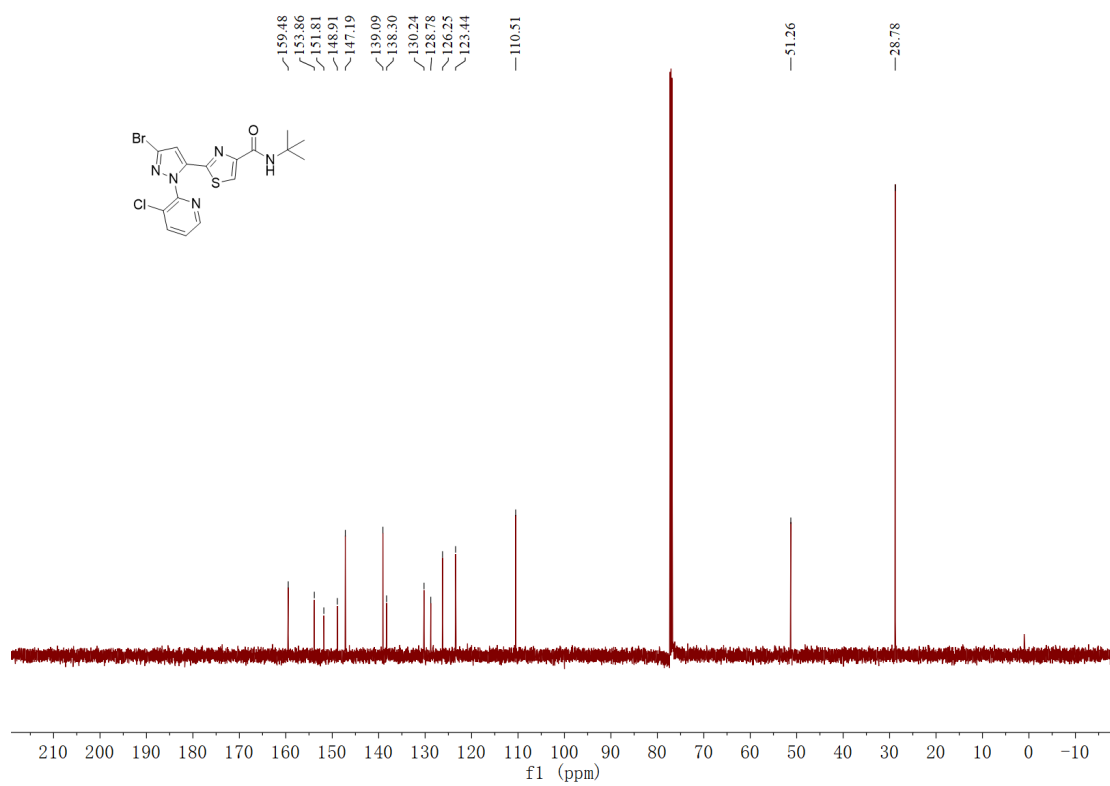


Figure S28. ¹³C NMR spectrum of Compound 7c

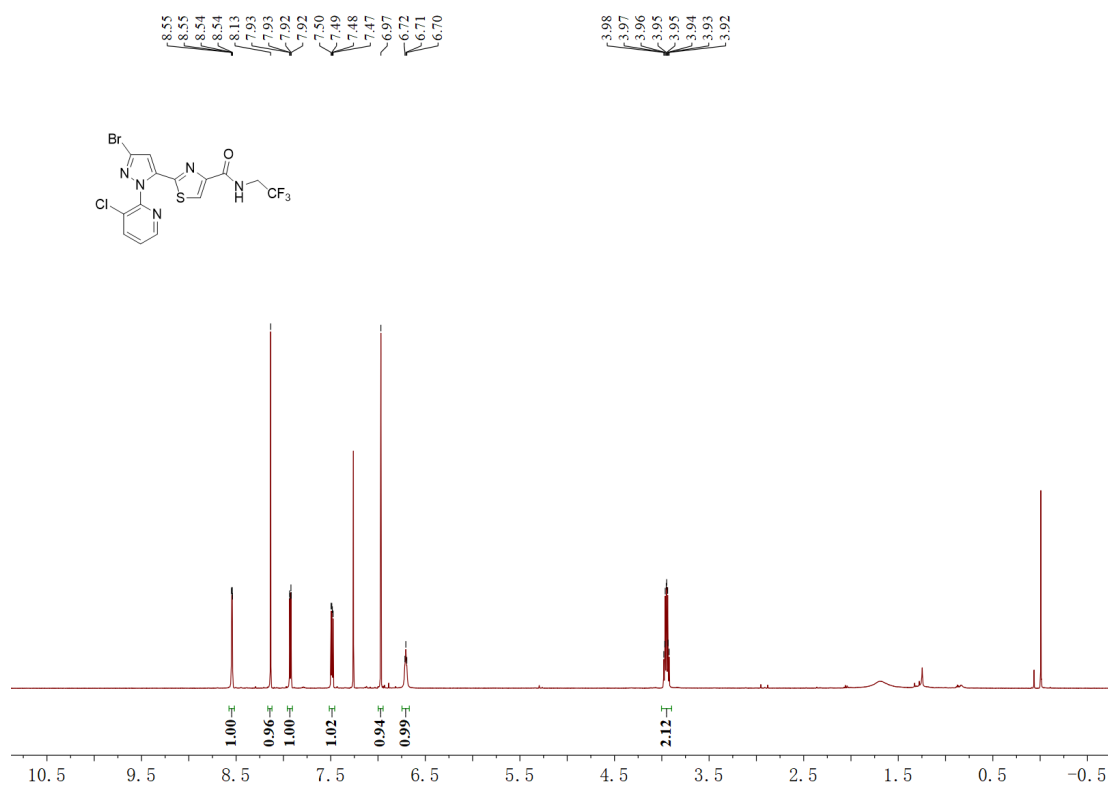


Figure S29. ¹H NMR spectrum of Compound 7d

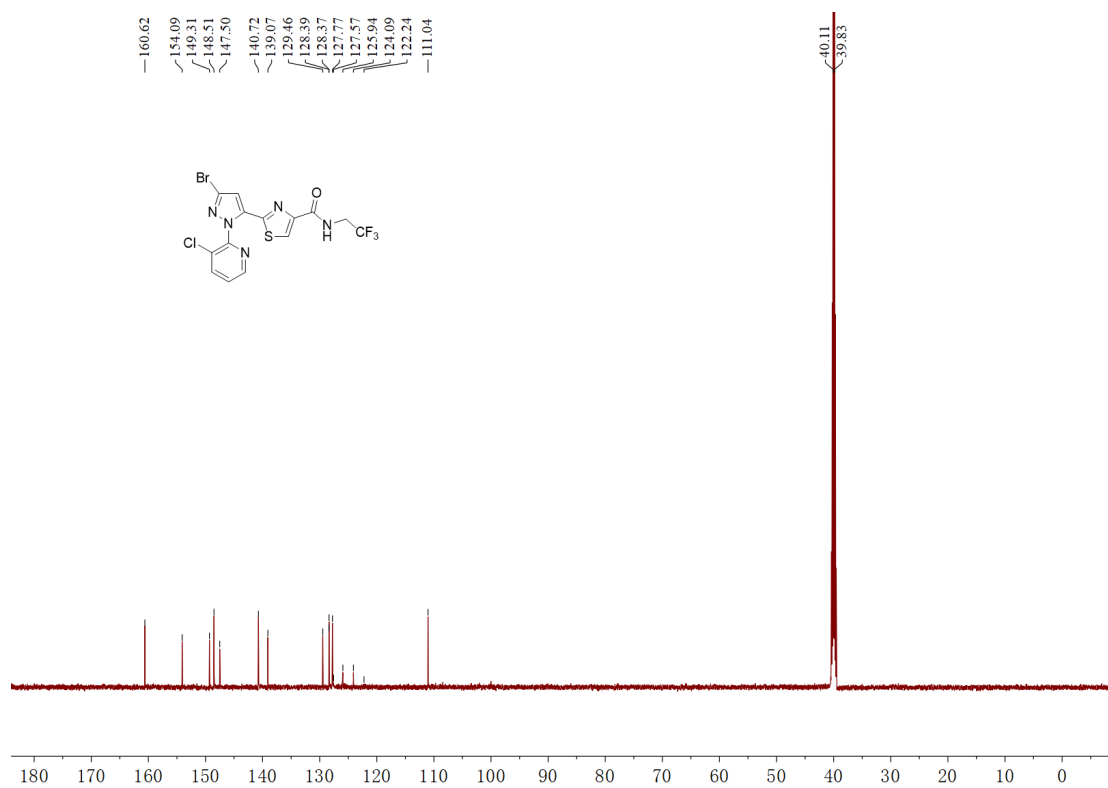


Figure S30. ¹³C NMR spectrum of Compound 7d

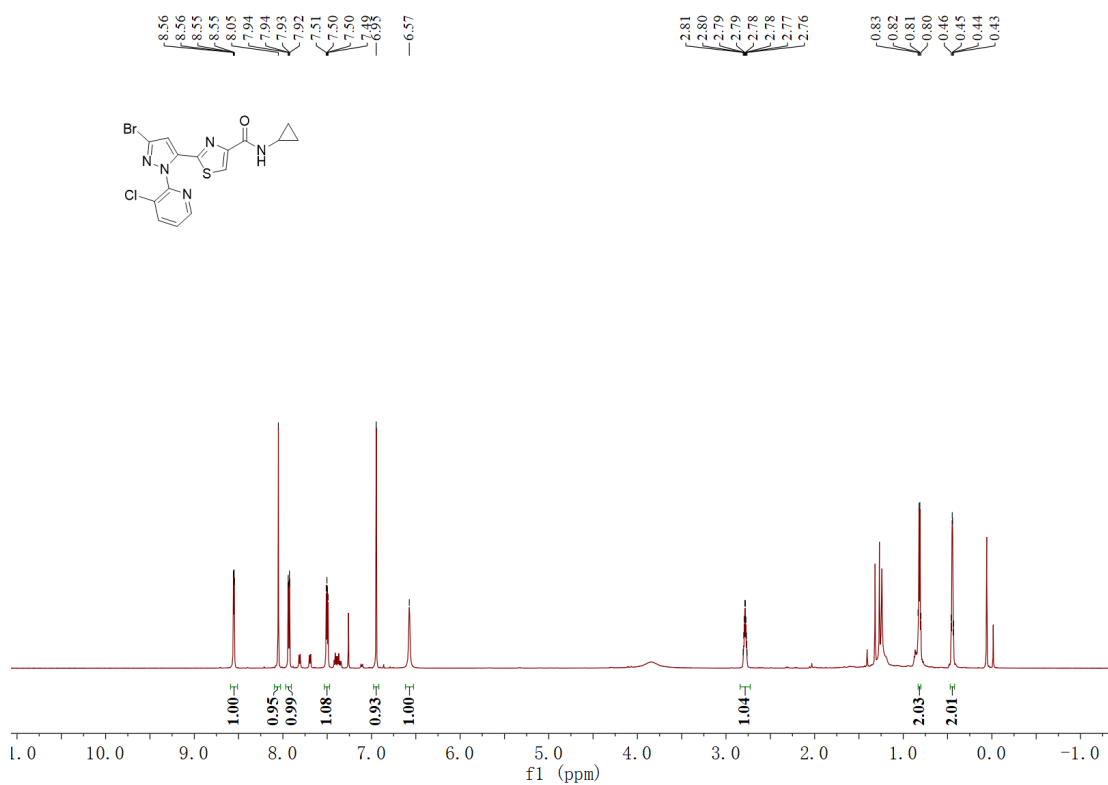


Figure S31. ¹H NMR spectrum of Compound 7e

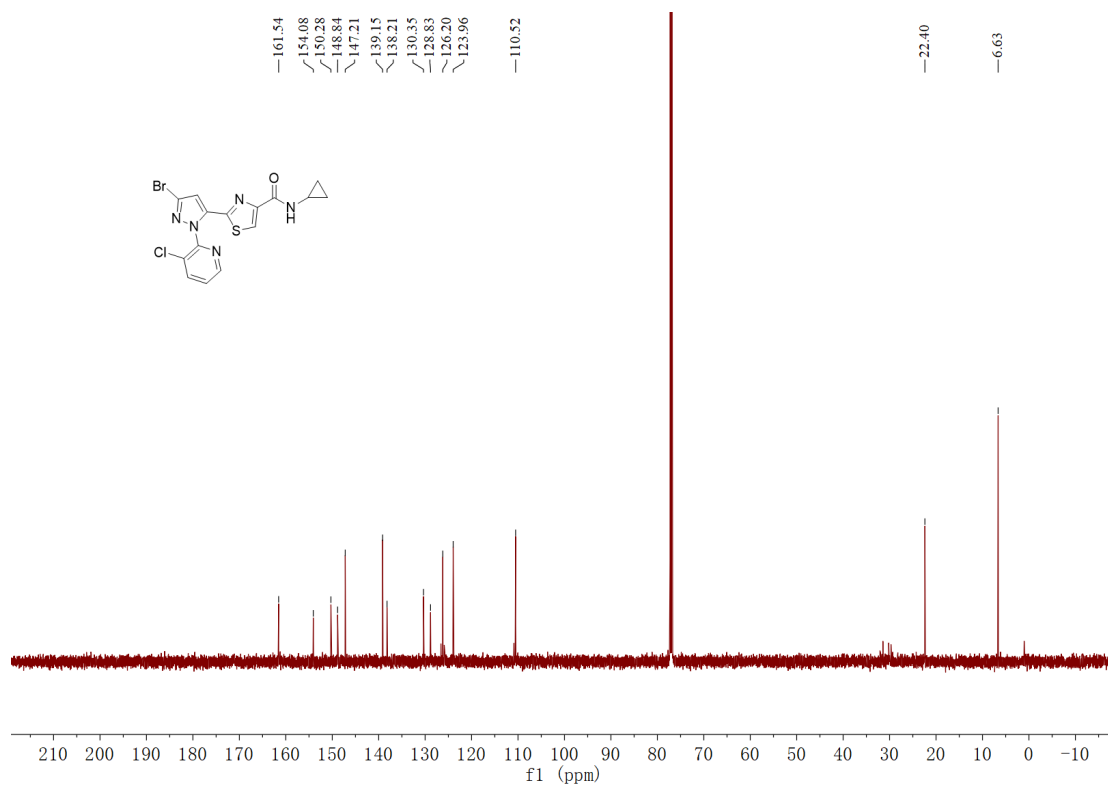


Figure S32. ¹³C NMR spectrum of Compound 7e

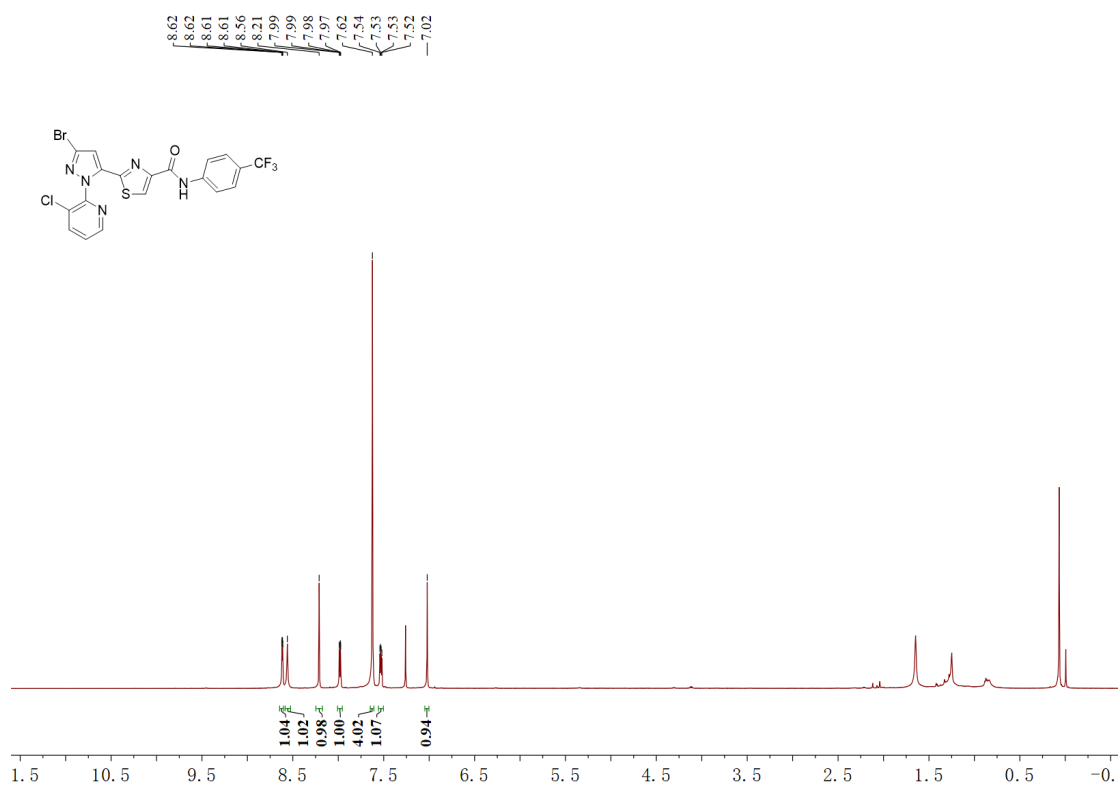


Figure S33. ¹H NMR spectrum of Compound 7f

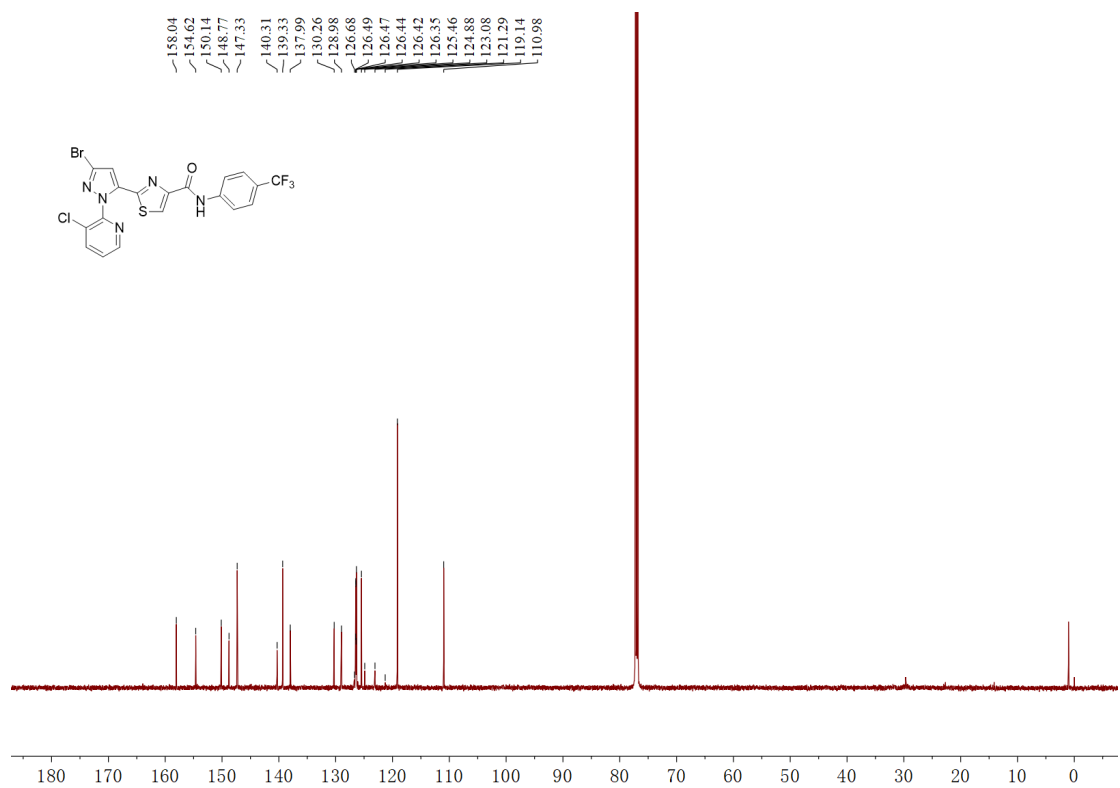


Figure S34. ¹³C NMR spectrum of Compound 7f

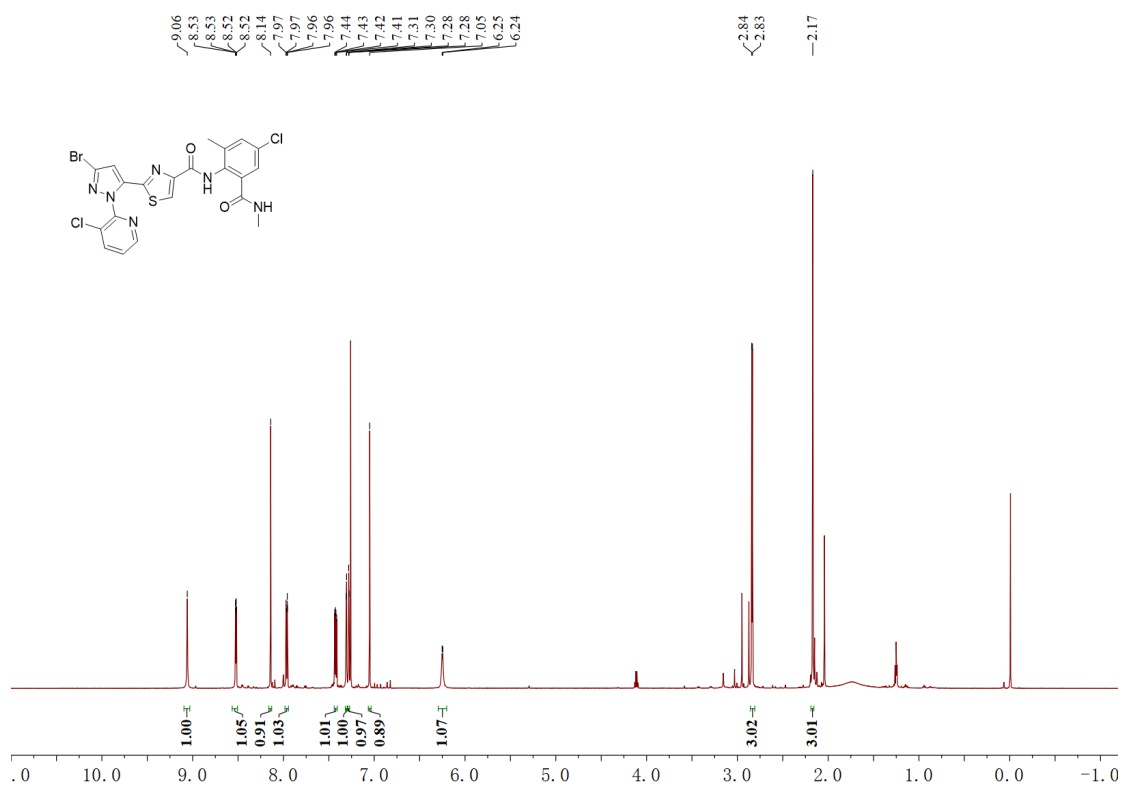


Figure S35. ¹H NMR spectrum of Compound 7g

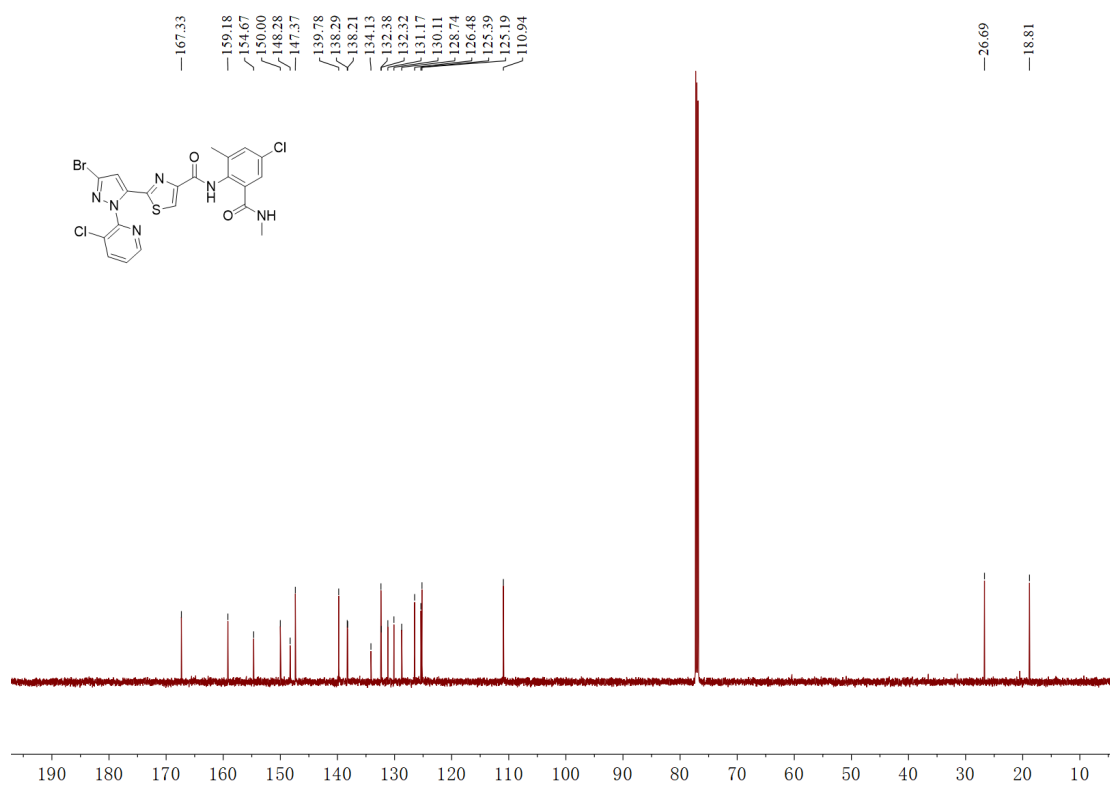


Figure S36. ¹³C NMR spectrum of Compound 7g

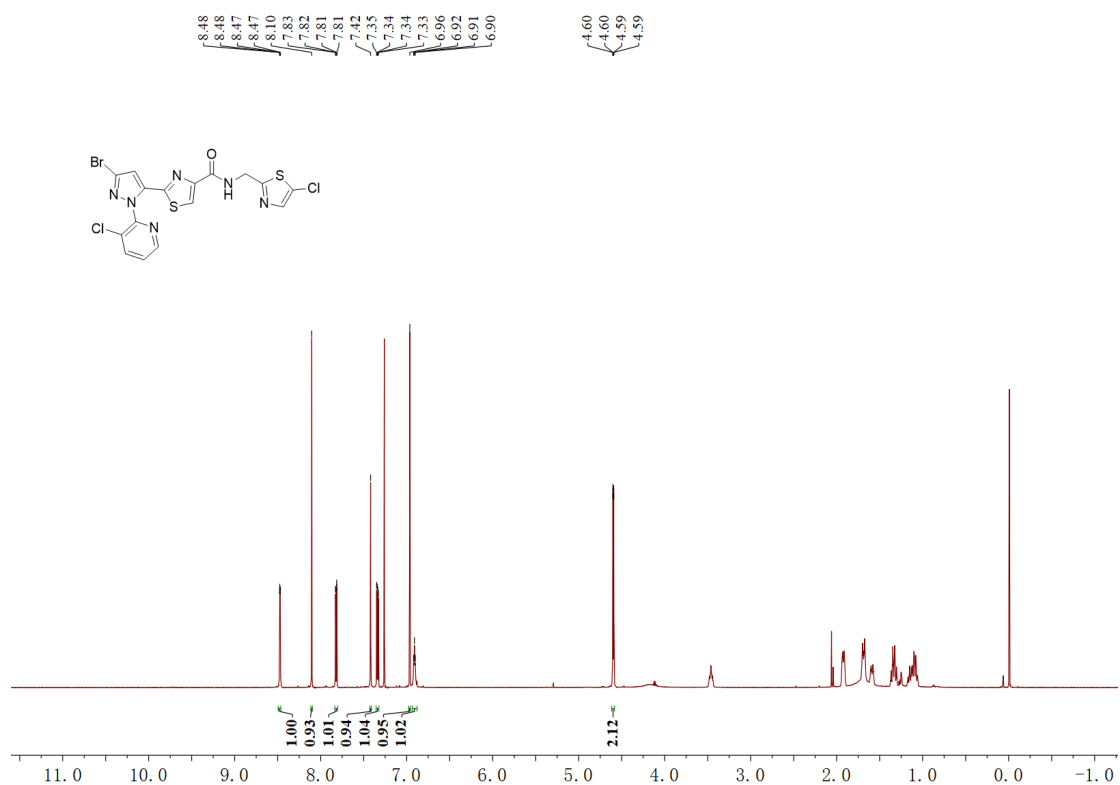


Figure S37. ¹H NMR spectrum of Compound 7h

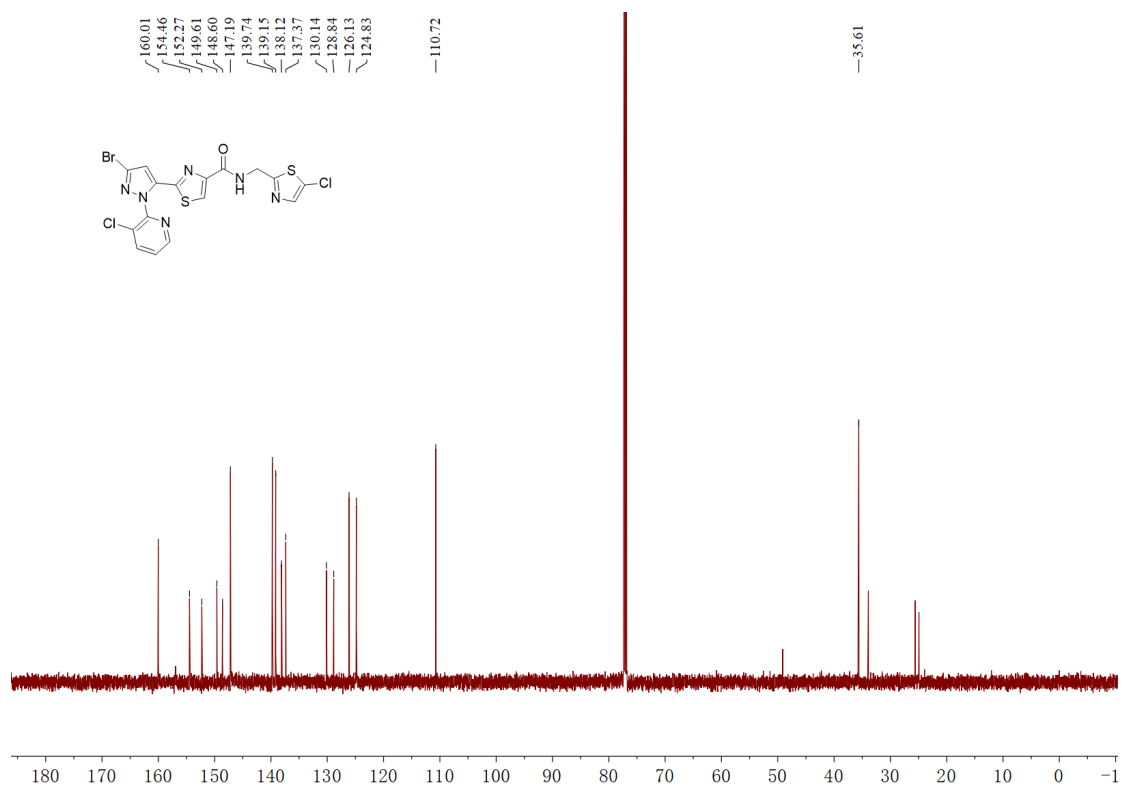


Figure S38. ¹³C NMR spectrum of Compound 7h

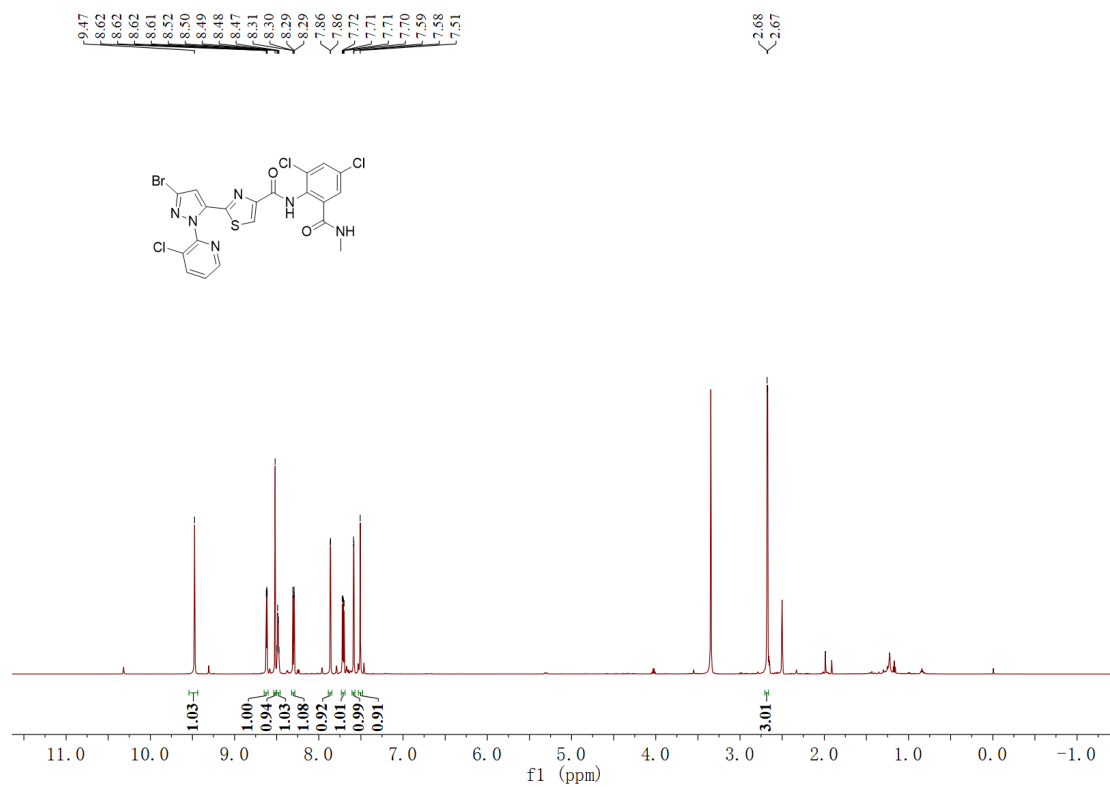


Figure S39. ¹H NMR spectrum of Compound 7i

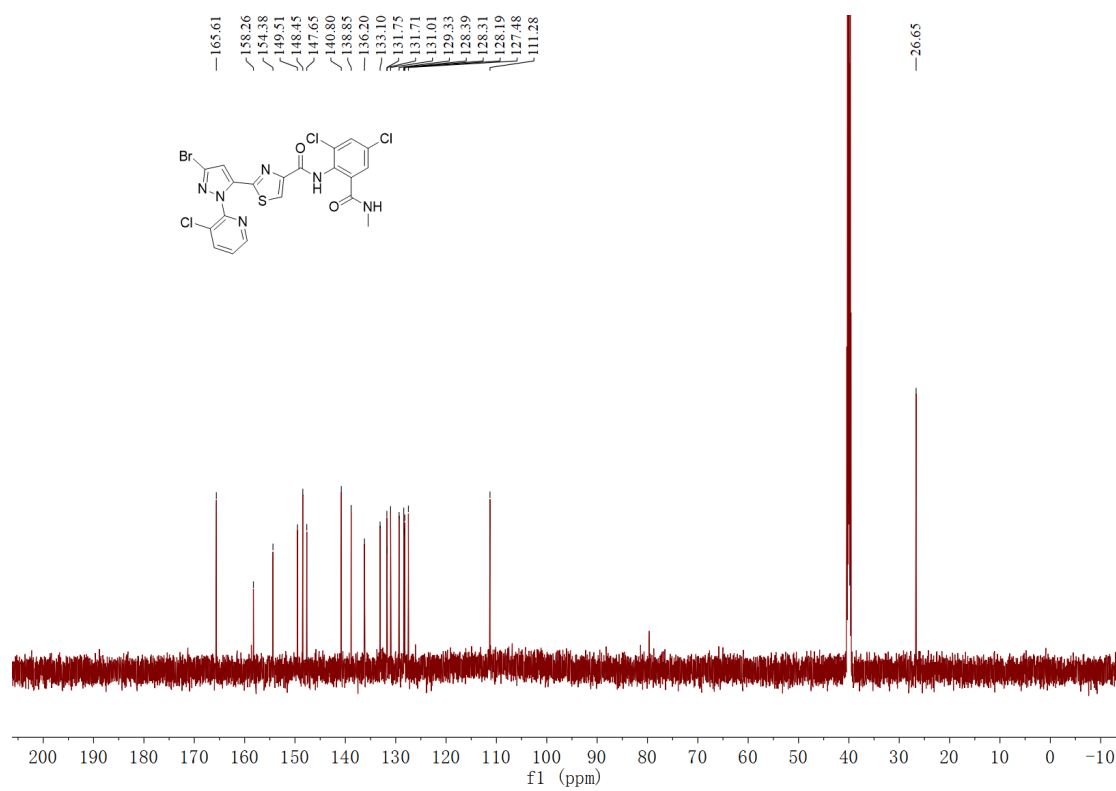


Figure S40. ¹³C NMR spectrum of Compound 7i

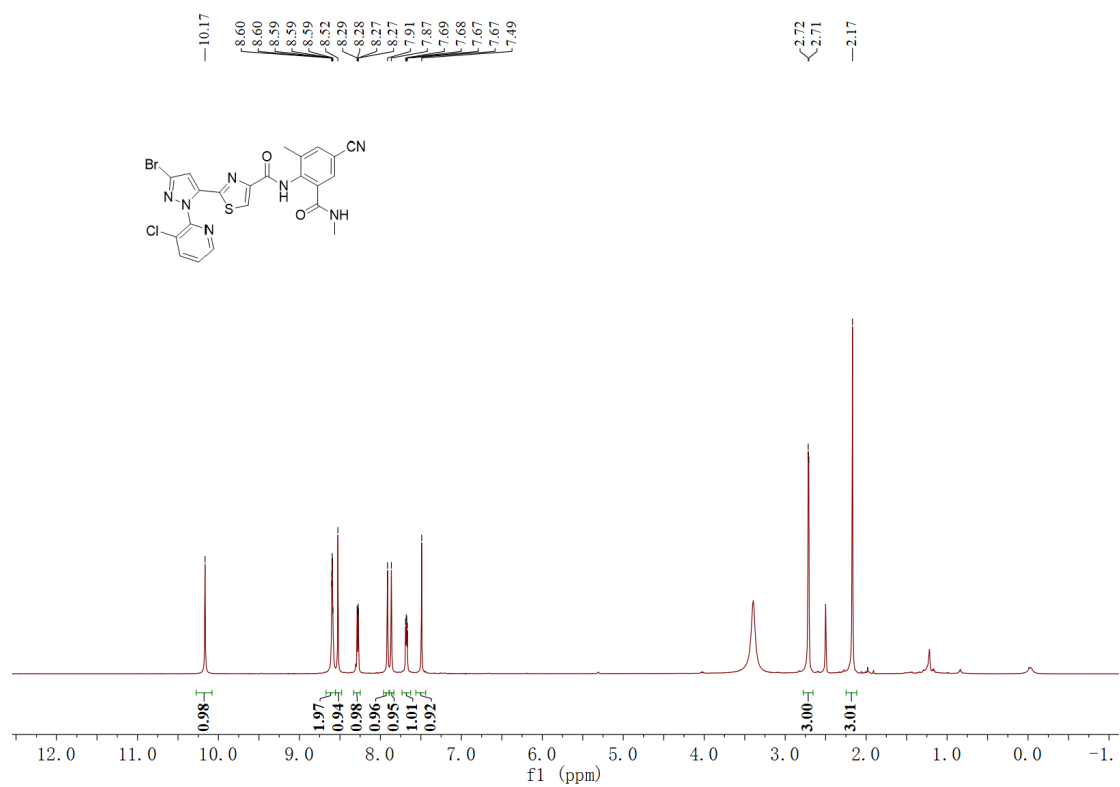


Figure S41. ¹H NMR spectrum of Compound 7j

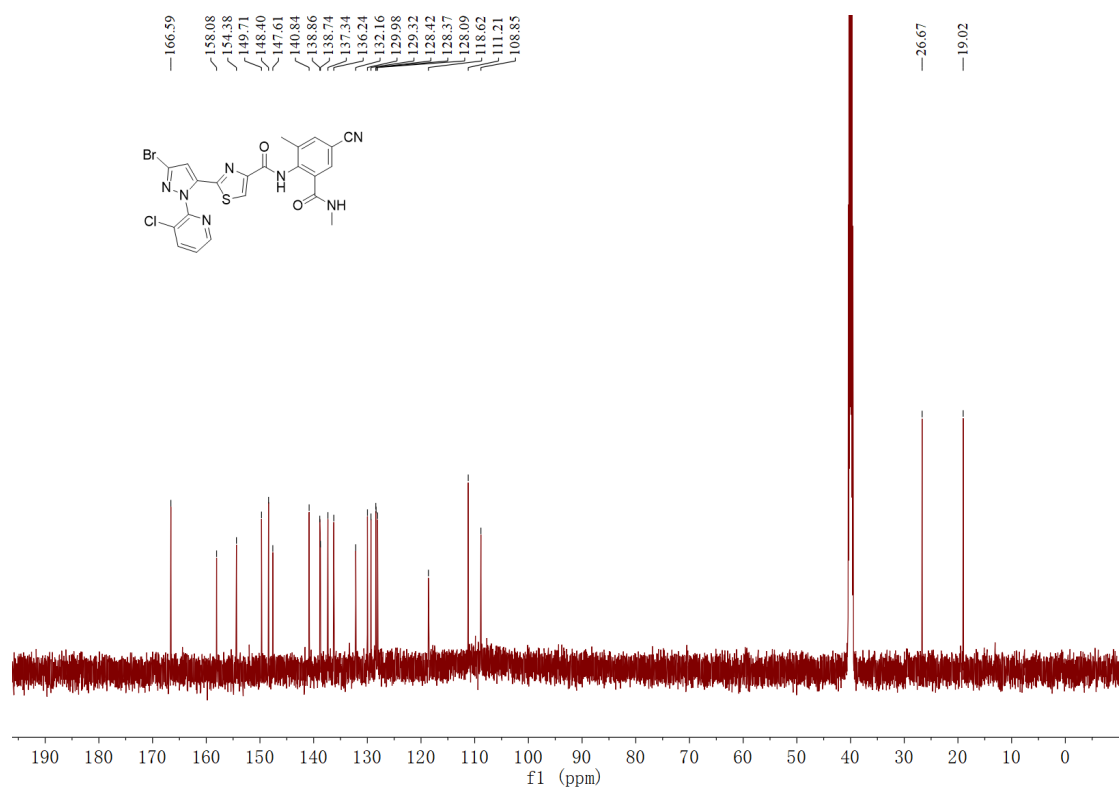


Figure S42. ¹³C NMR spectrum of Compound 7j

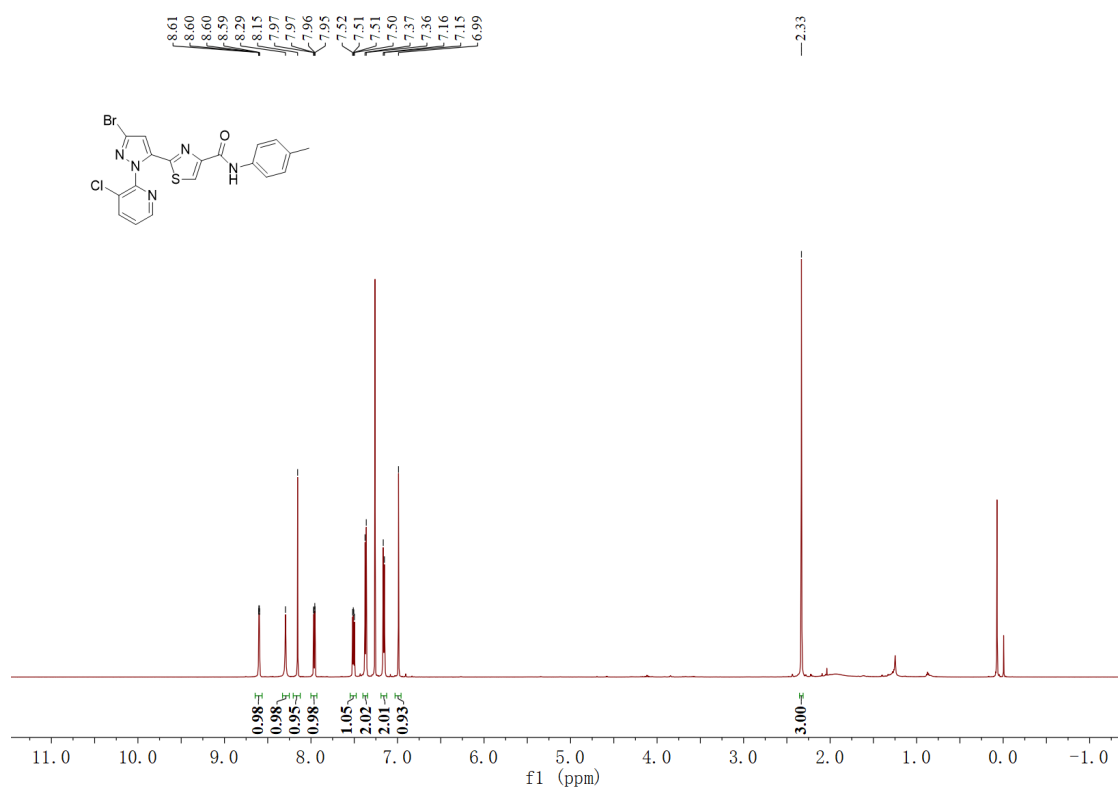


Figure S43. ¹H NMR spectrum of Compound 7k

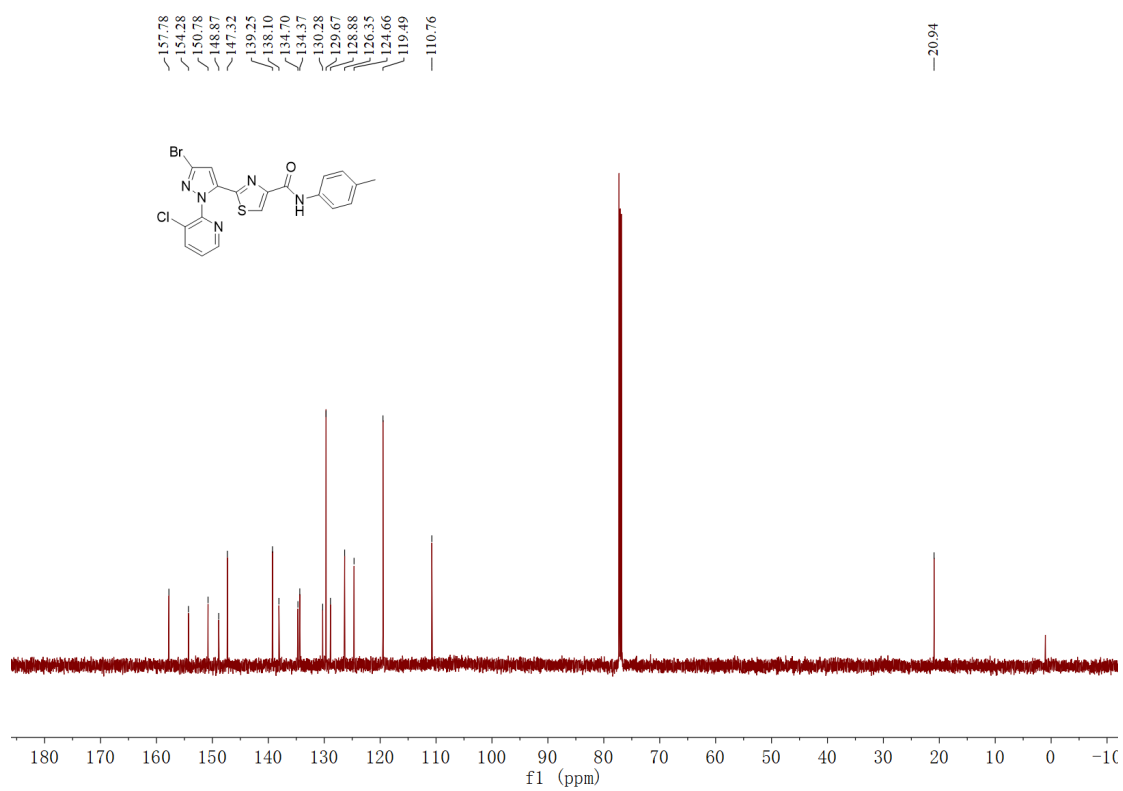


Figure S44. ¹³C NMR spectrum of Compound 7k

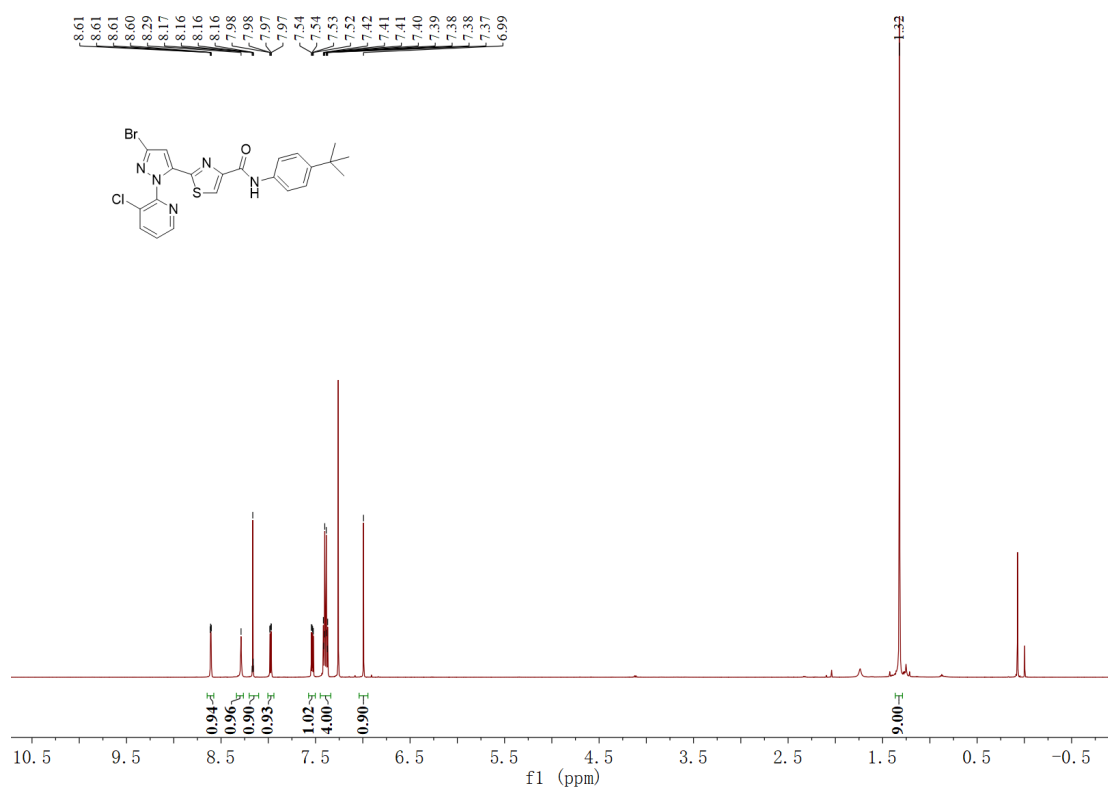


Figure S45. ¹H NMR spectrum of Compound **71**

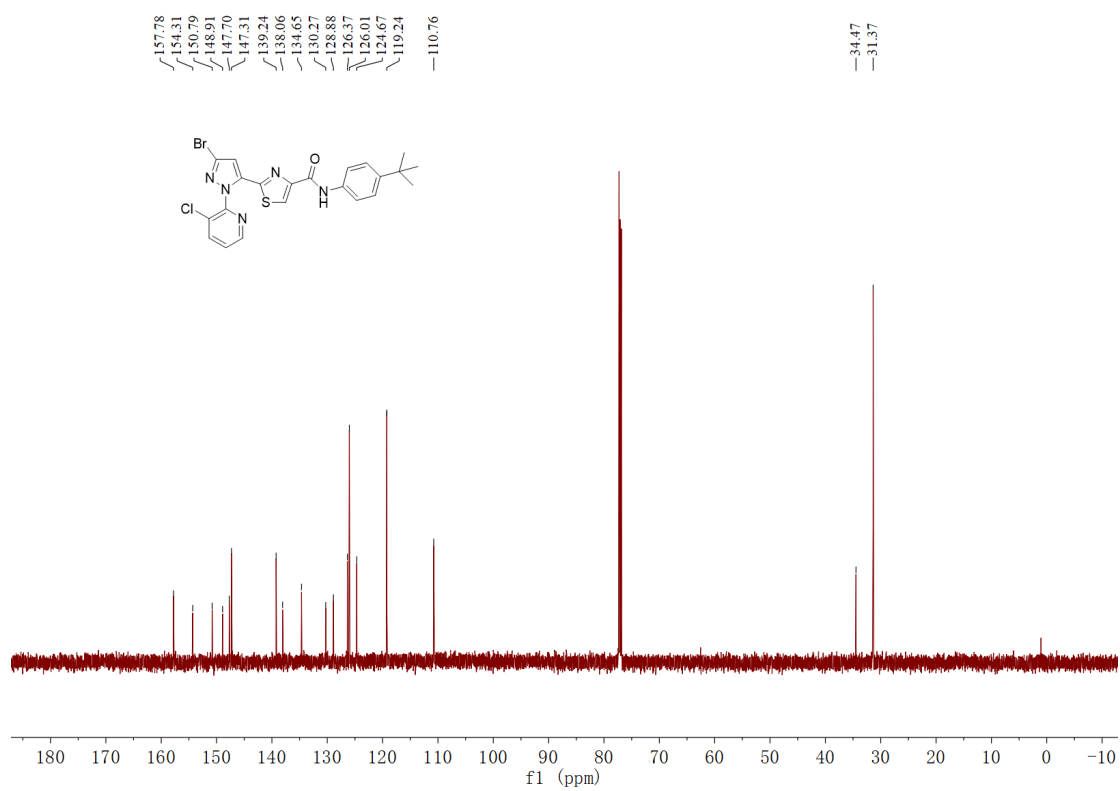
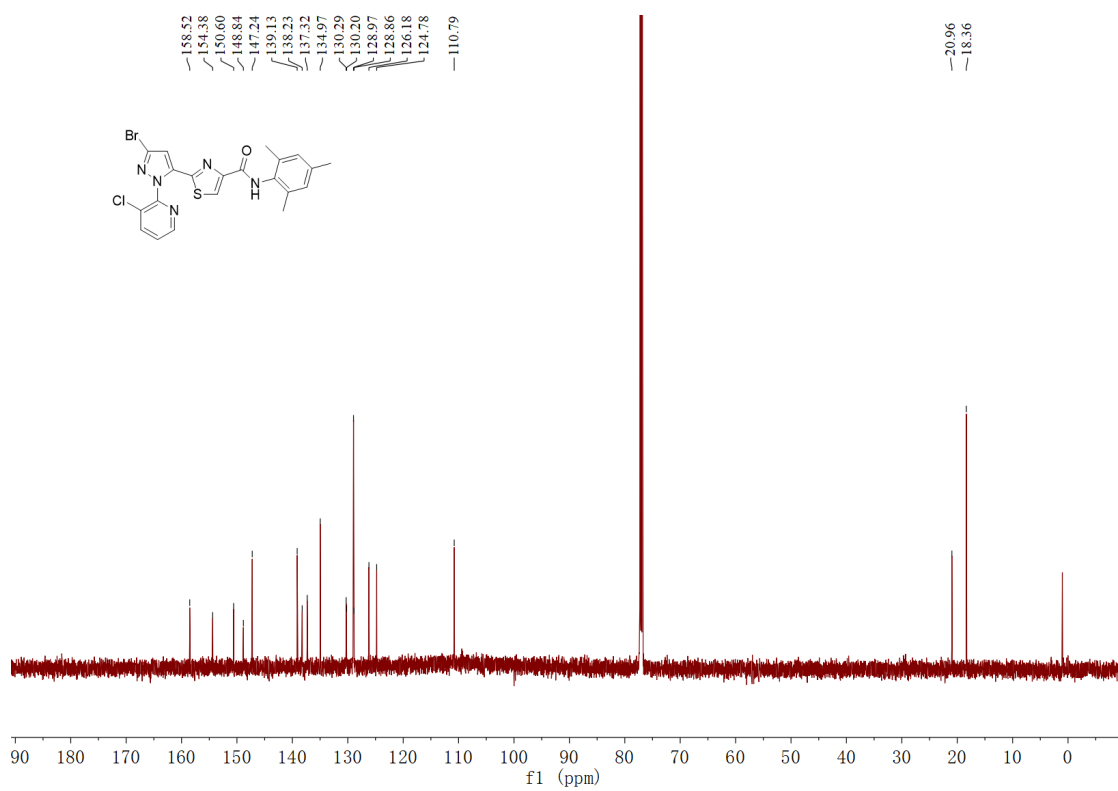
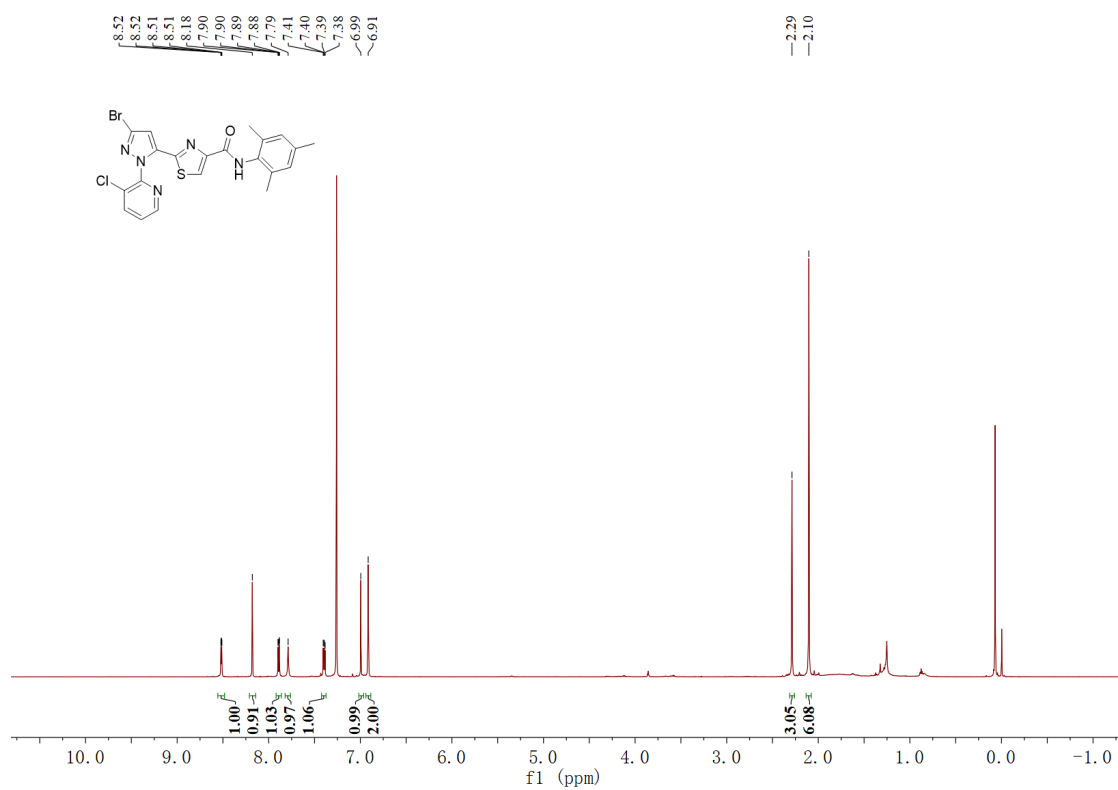


Figure S46. ¹³C NMR spectrum of Compound **71**



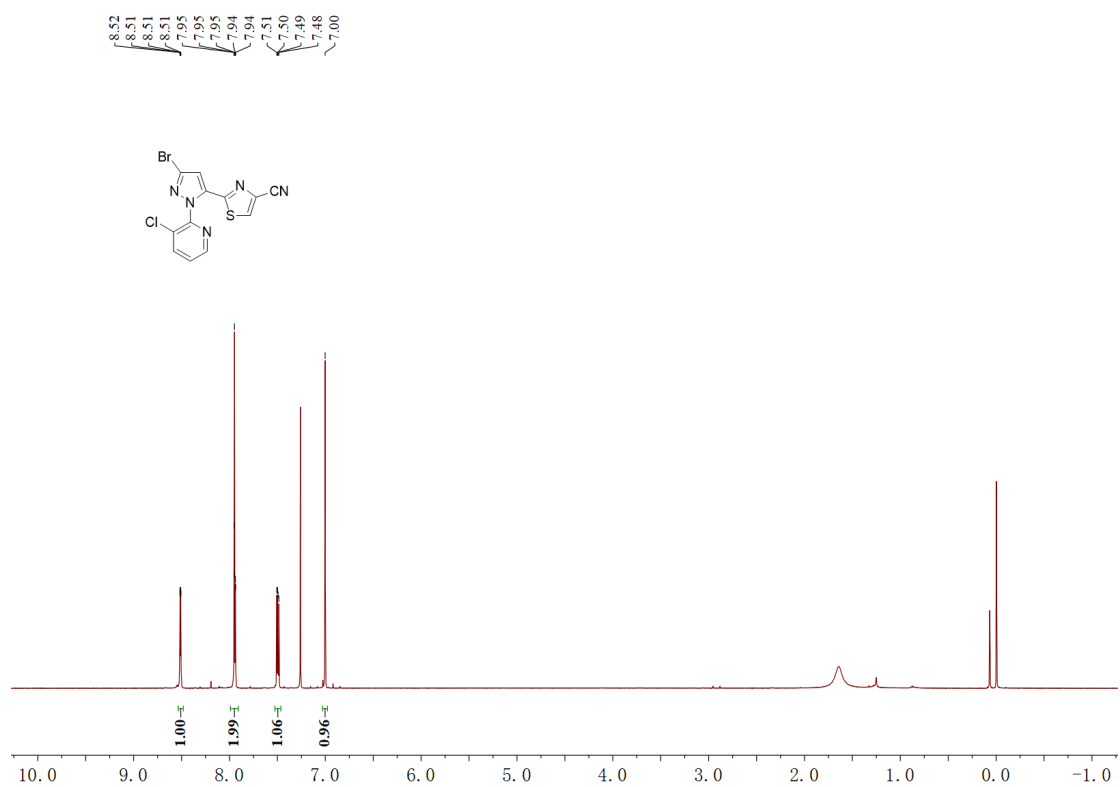


Figure S49. ¹H NMR spectrum of Compound 8

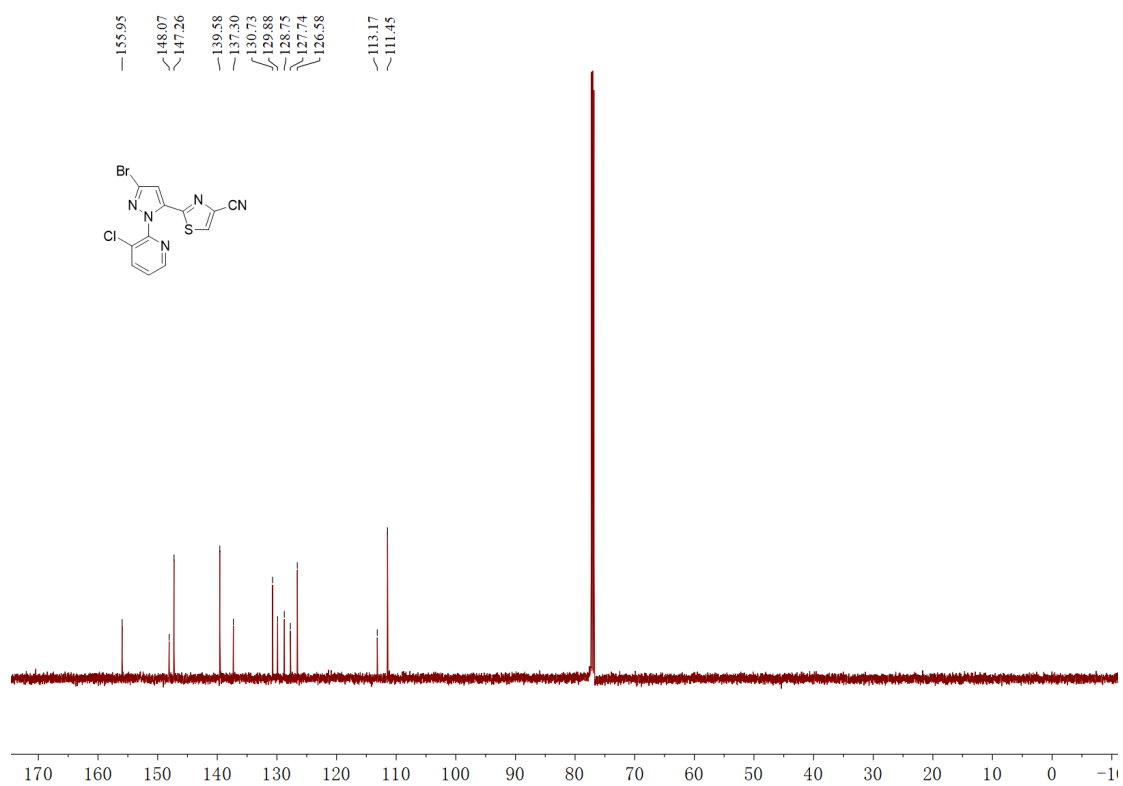


Figure S50. ¹³C NMR spectrum of Compound 8