

Supplementary Information

Synthesis, *in vitro* Toxicity, and Antitrypanosomal Activity of Arylated and Diarylated Thiazoles

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NMR spectra

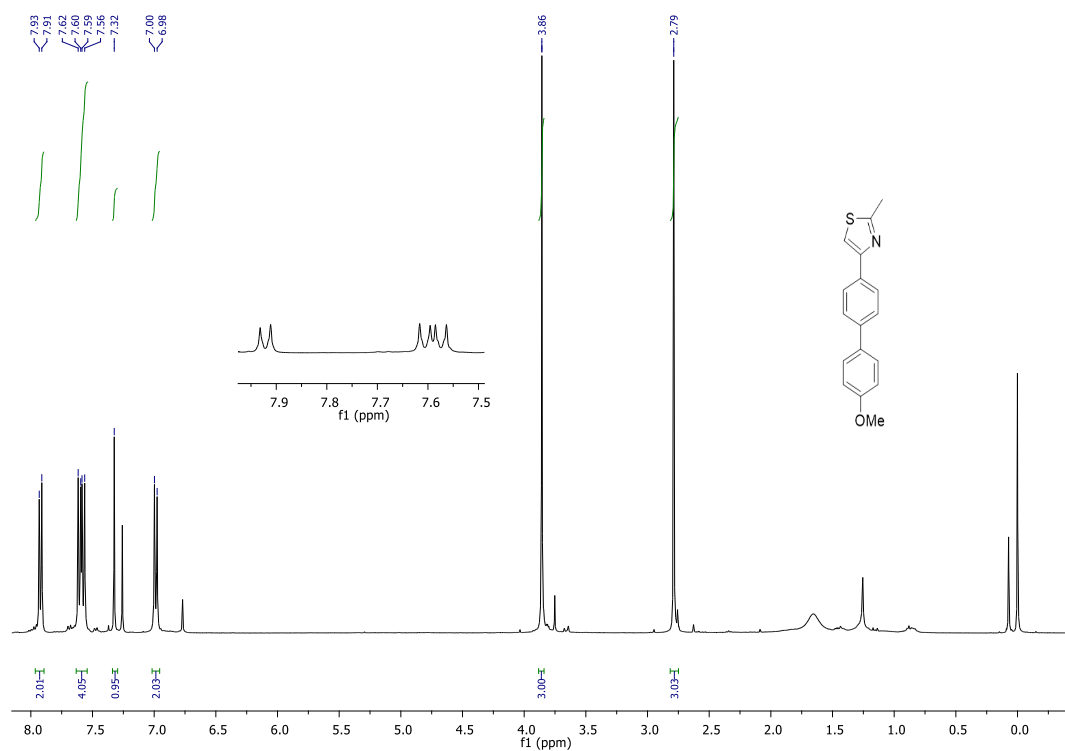


Figure S1. ¹H NMR (400 MHz, CDCl₃) of compound **4a**.

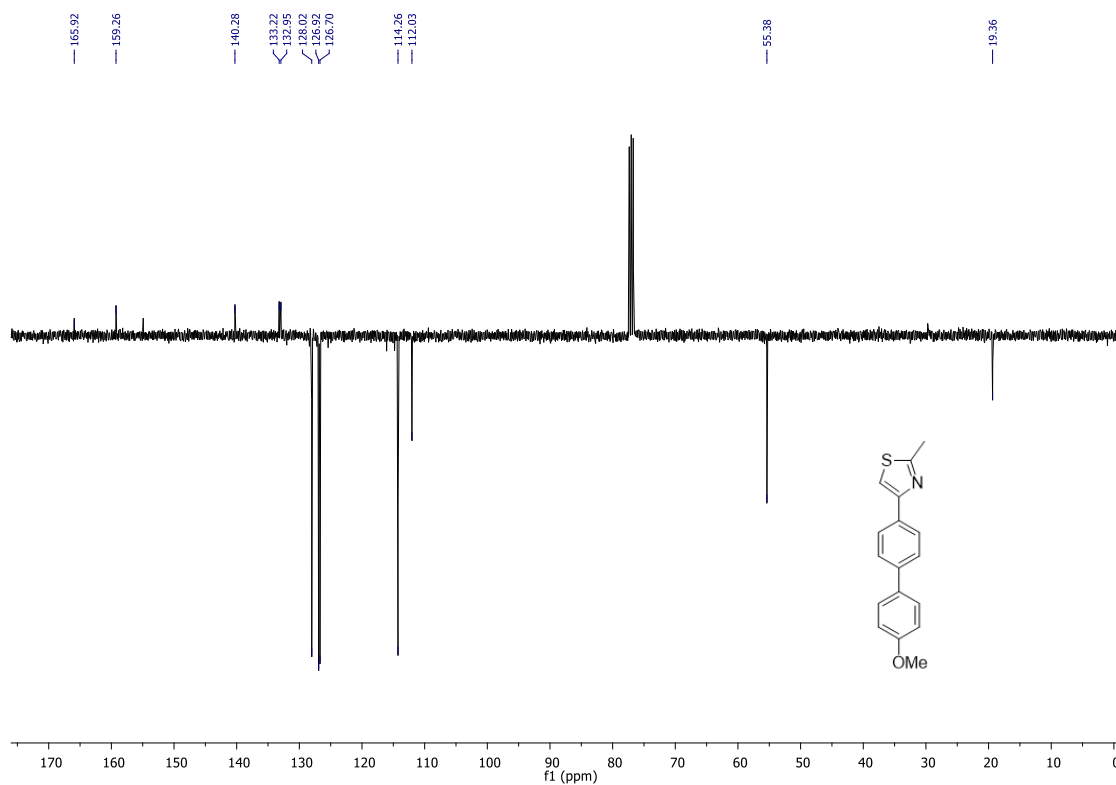


Figure S2. ¹³C NMR spectrum (APT, 100 MHz, CDCl₃) of compound **4a**.

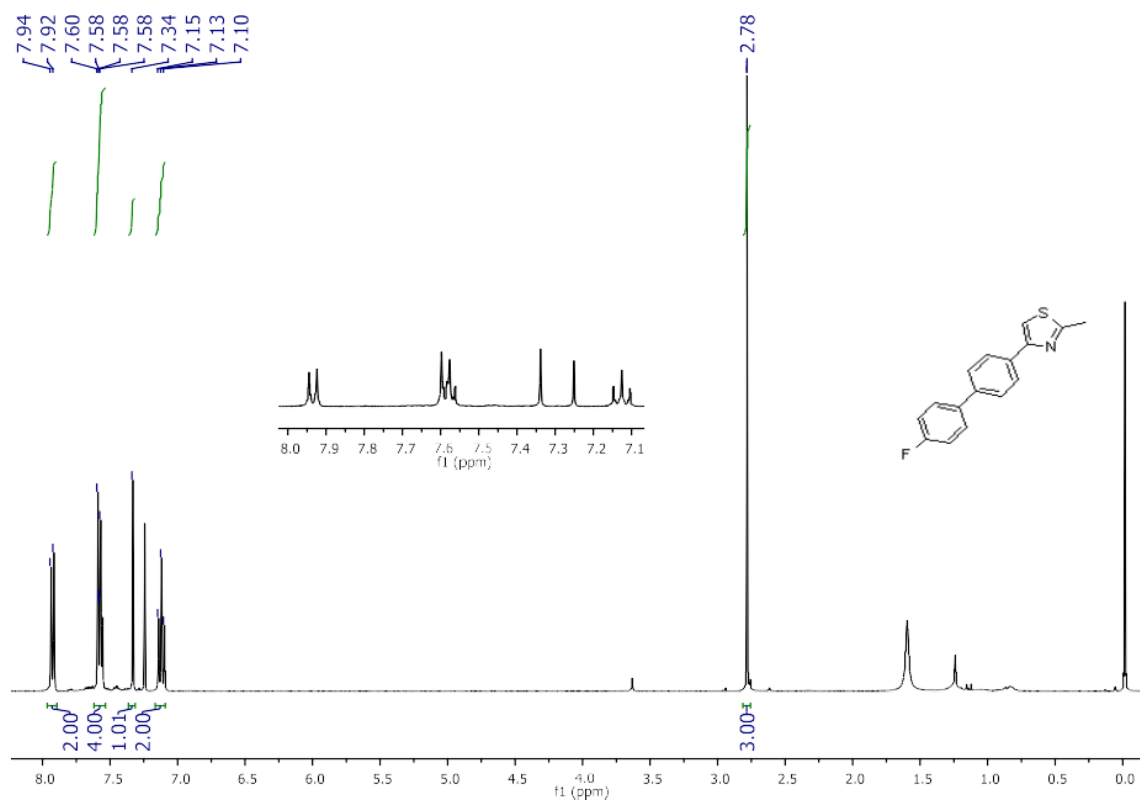


Figure S3. ¹H NMR (400 MHz, CDCl₃) of compound **4b**.

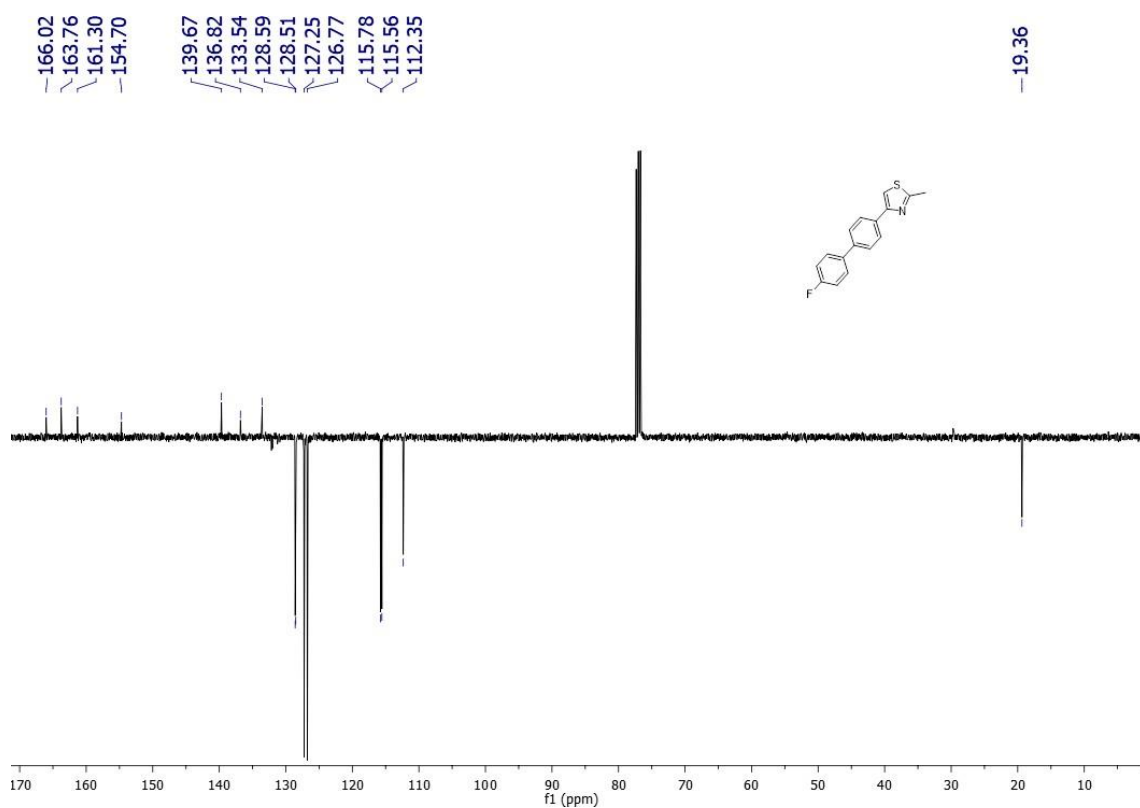


Figure S4. ¹³C NMR spectrum (APT, 100 MHz, CDCl₃) of compound **4b**.

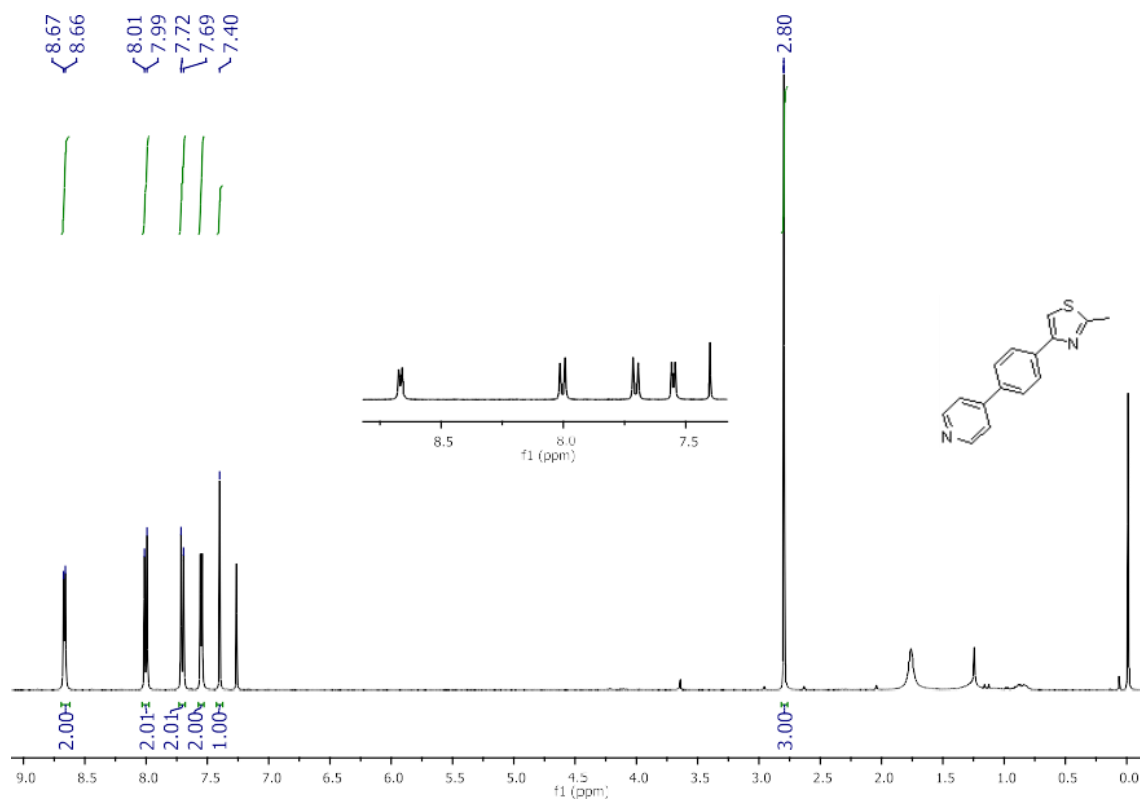


Figure S5. ¹H NMR (400 MHz, CDCl₃) of compound **4c**.

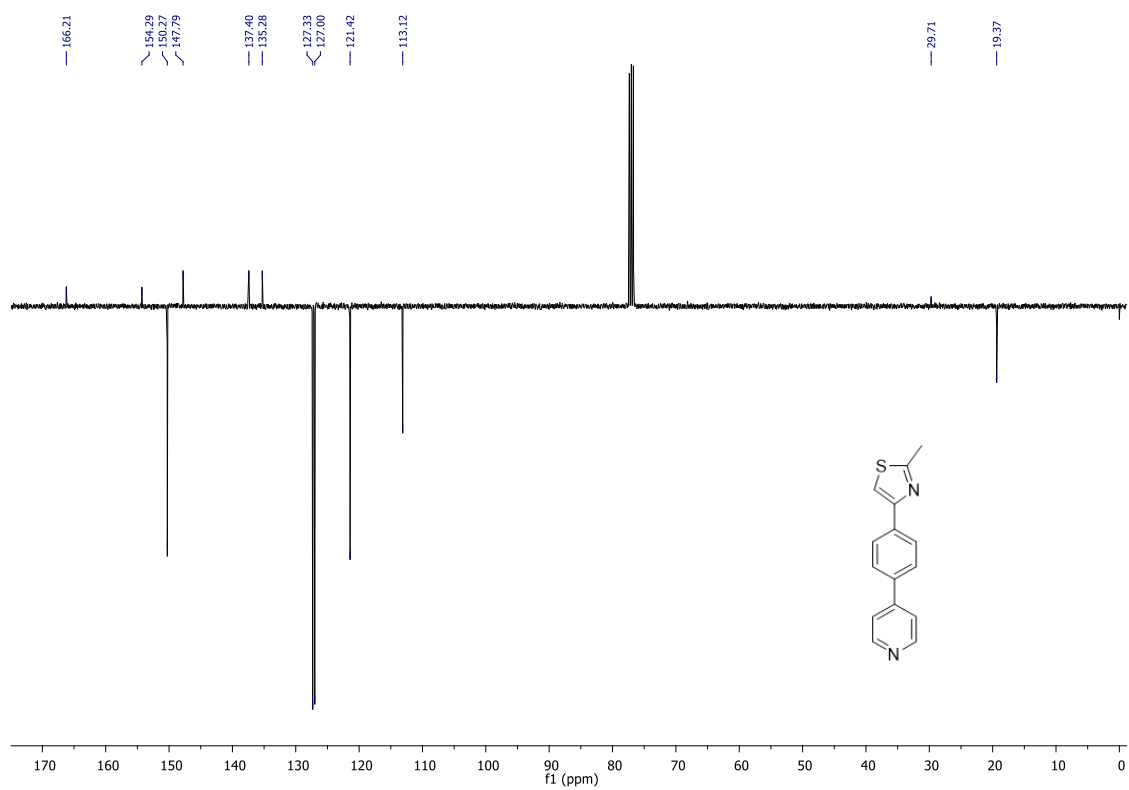


Figure S6. ¹³C NMR spectrum (APT, 100 MHz, CDCl₃) of compound **4c**.

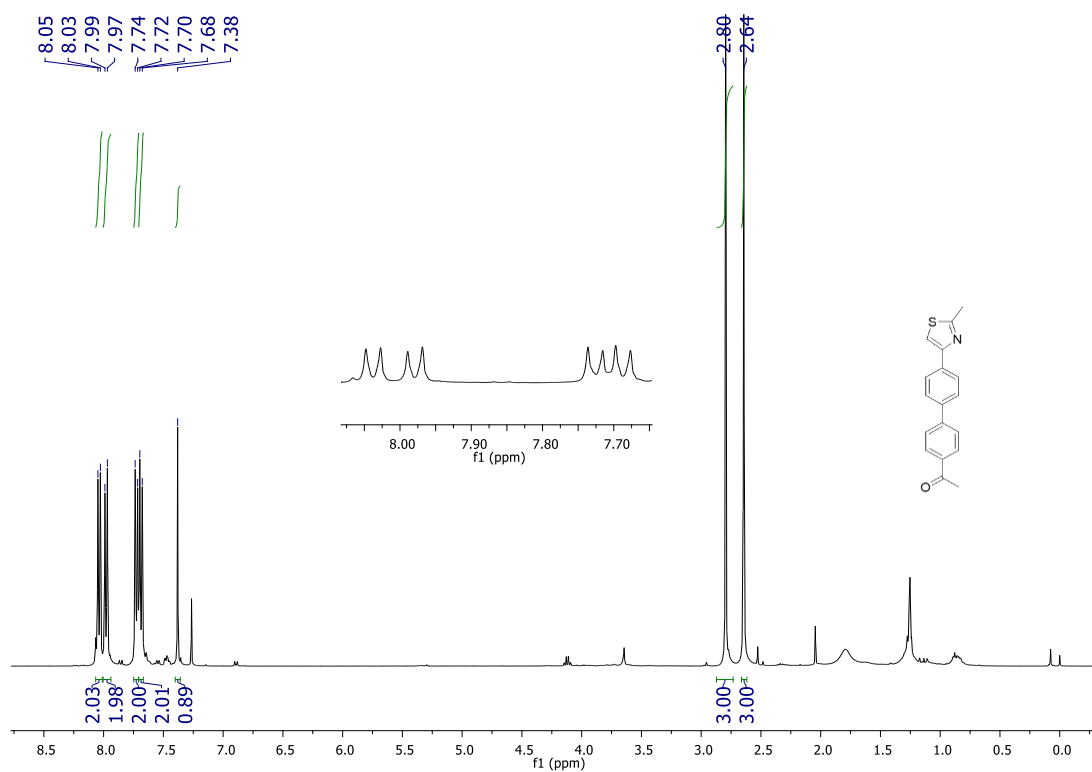


Figure S7. ¹H NMR (400 MHz, CDCl₃) of compound **4d**.

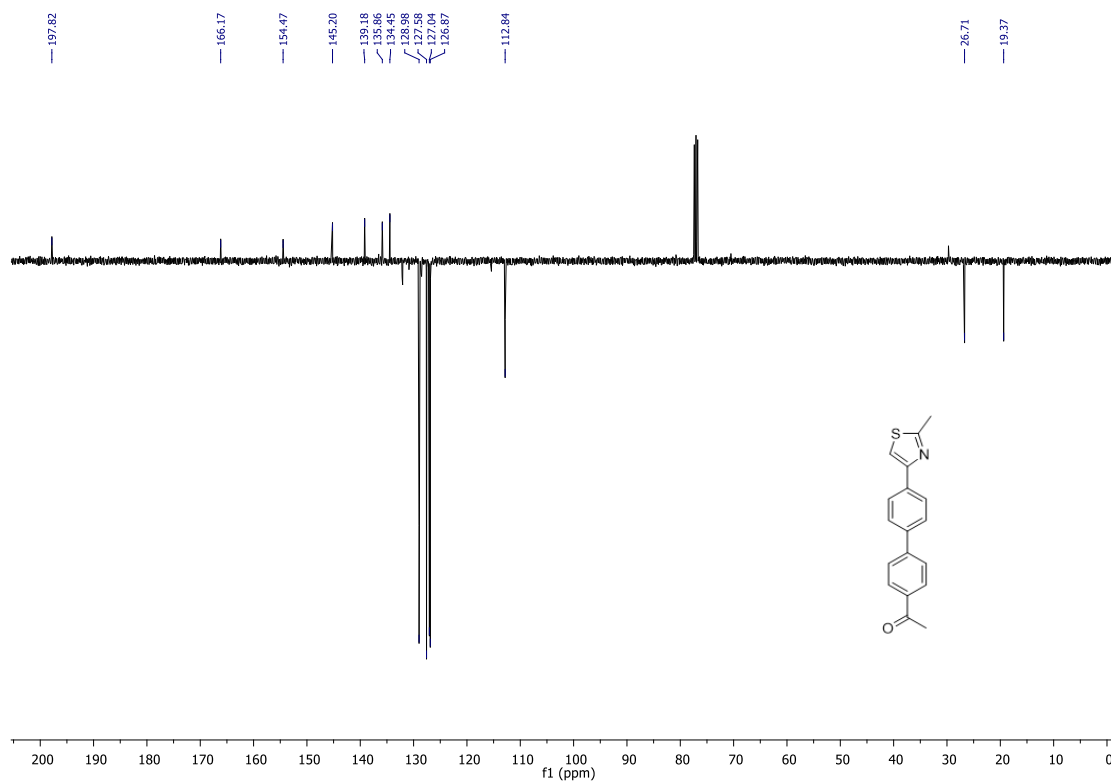


Figure S8. ¹³C NMR spectrum (APT, 100 MHz, CDCl₃) of compound **4d**.

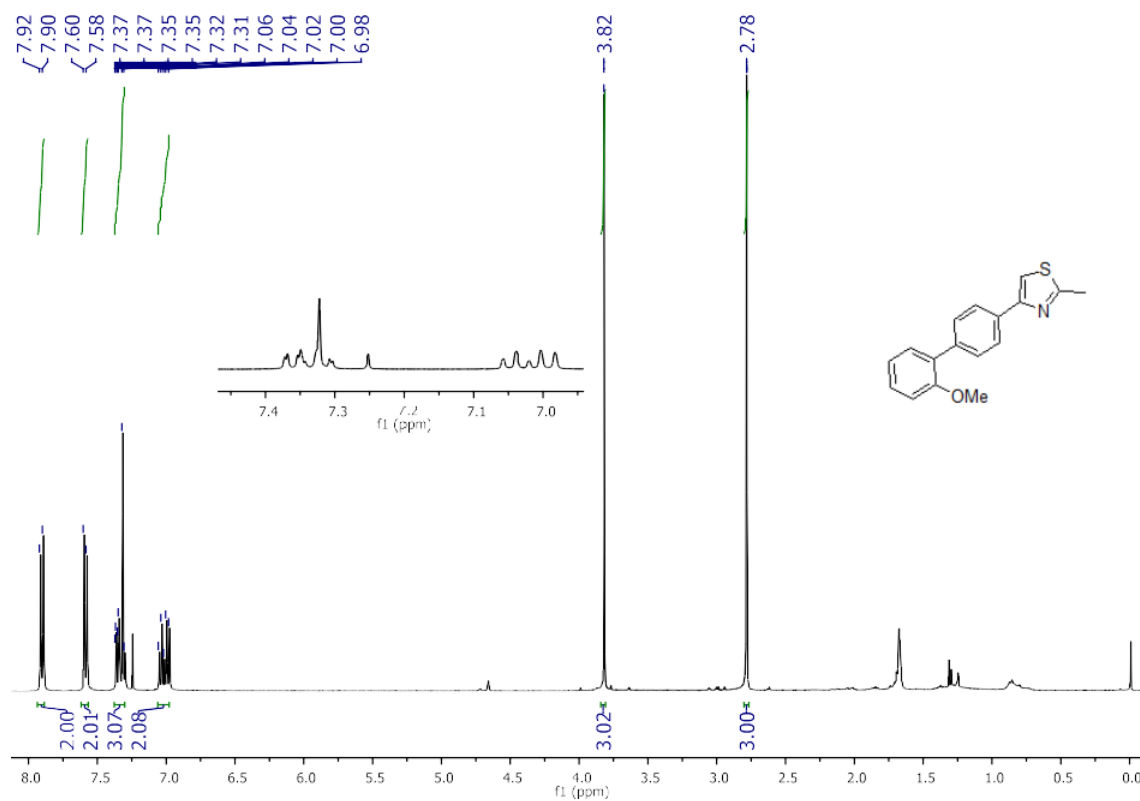


Figure S9. ¹H NMR (400 MHz, CDCl₃) of compound **4e**.

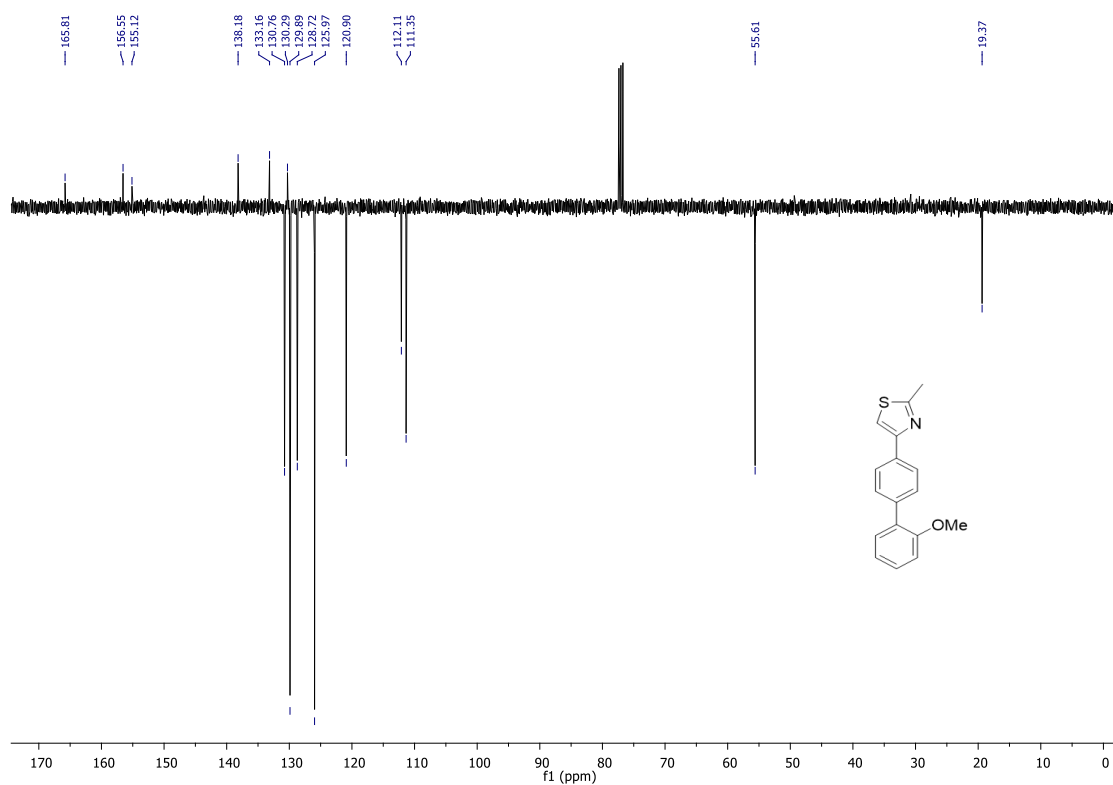


Figure S10. ¹³C NMR spectrum (APT, 100 MHz, CDCl₃) of compound **4e**.

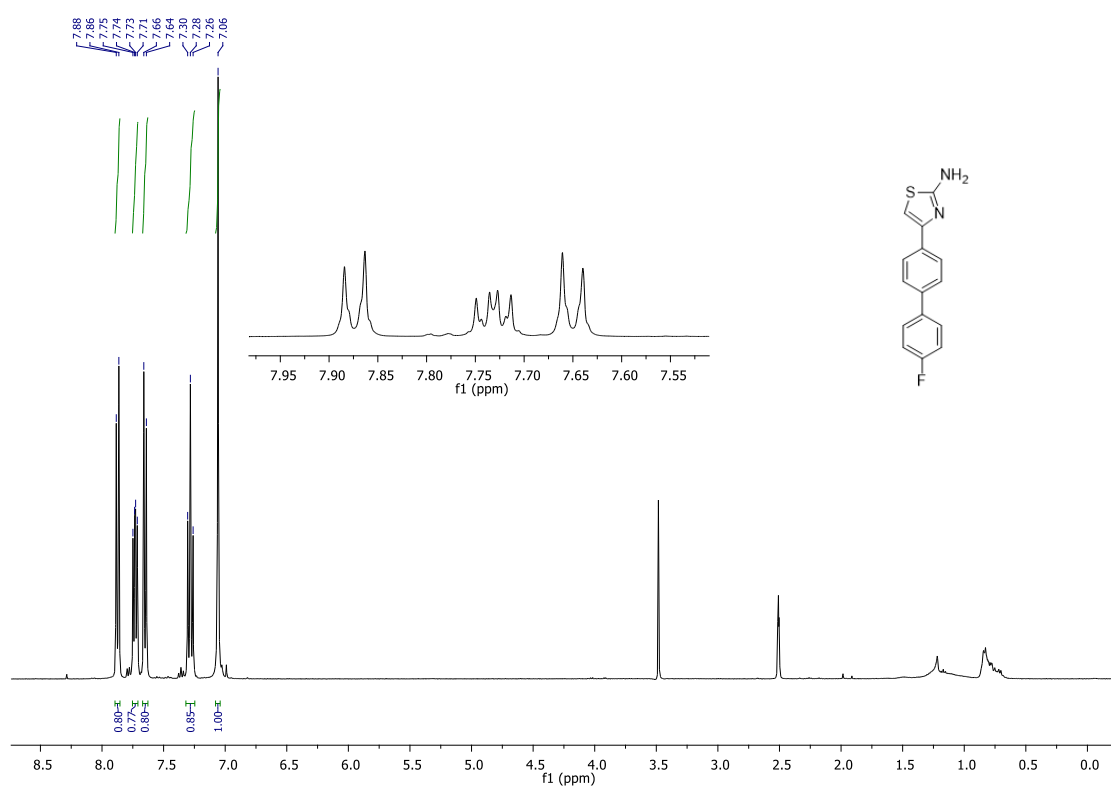


Figure S11. ¹H NMR (400 MHz, DMSO-*d*₆) of compound **4f**.

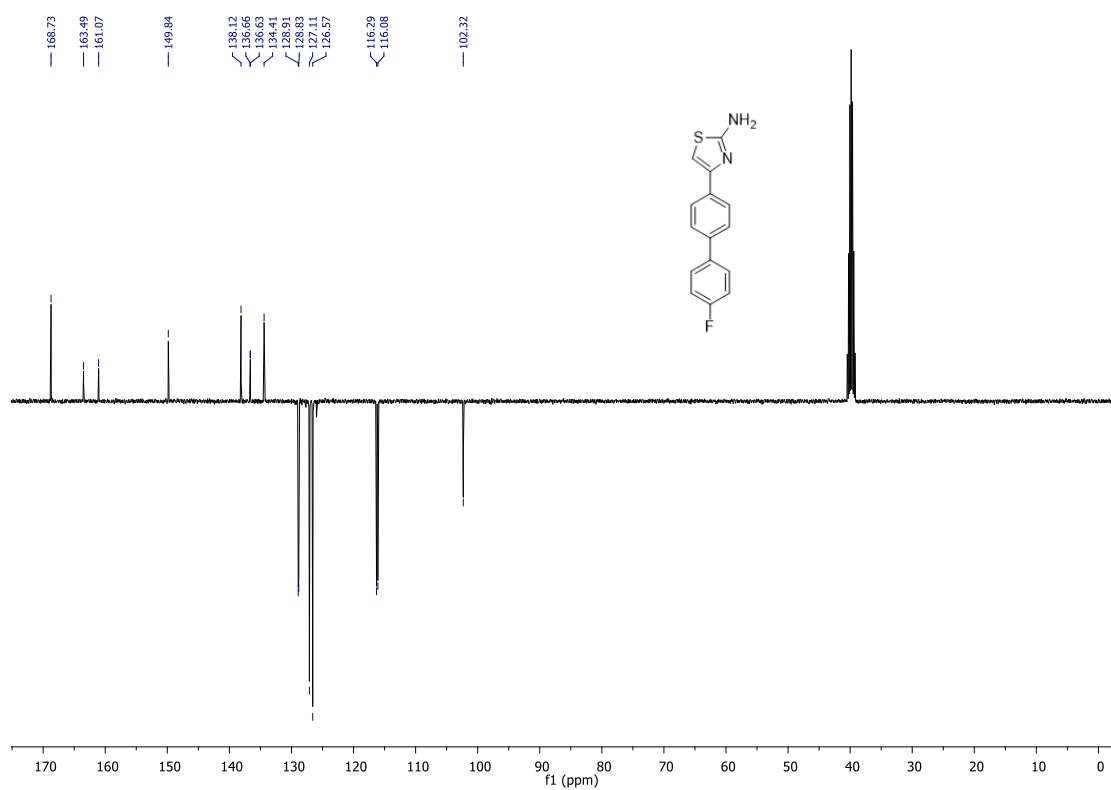


Figure S12. ¹³C NMR spectrum (APT, 100 MHz, DMSO-*d*₆) of compound **4f**.

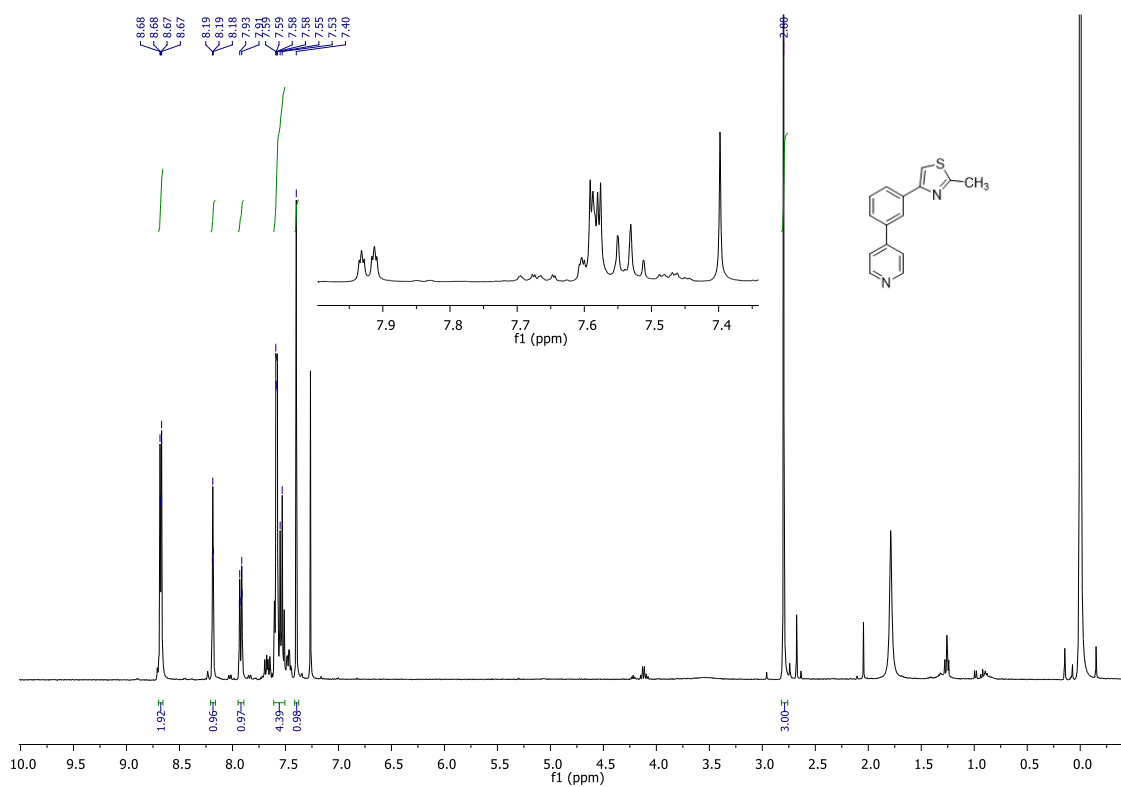


Figure S13. ¹H NMR (400 MHz, CDCl₃) of compound **4g**.

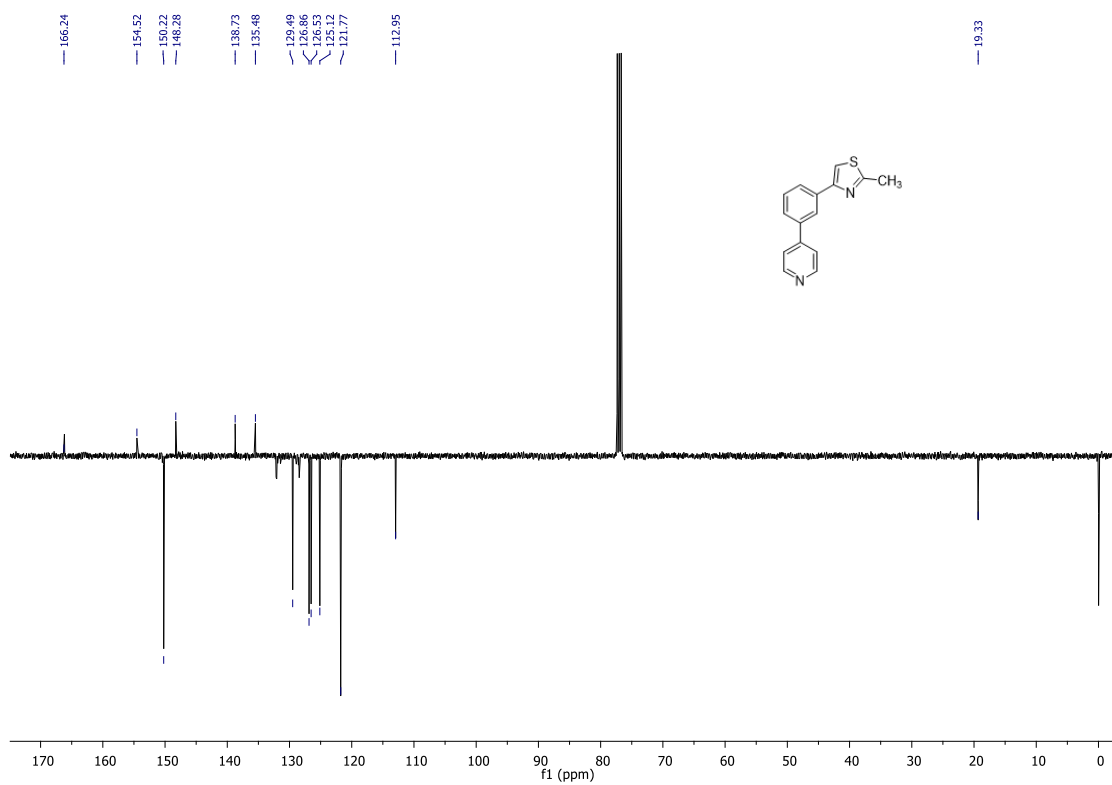


Figure S14. ¹³C NMR spectrum (APT, 100 MHz, CDCl₃) of compound **4g**.

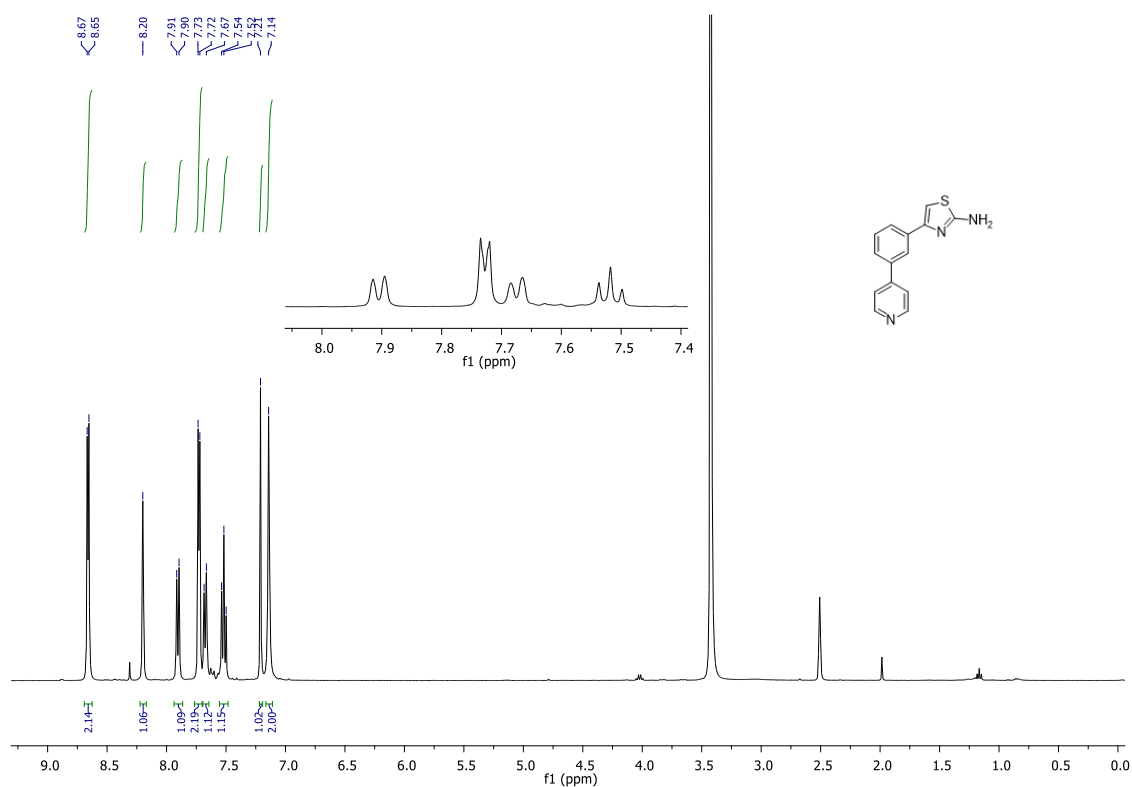


Figure S15. ¹H NMR (400 MHz, DMSO-*d*₆) of compound **4h**.

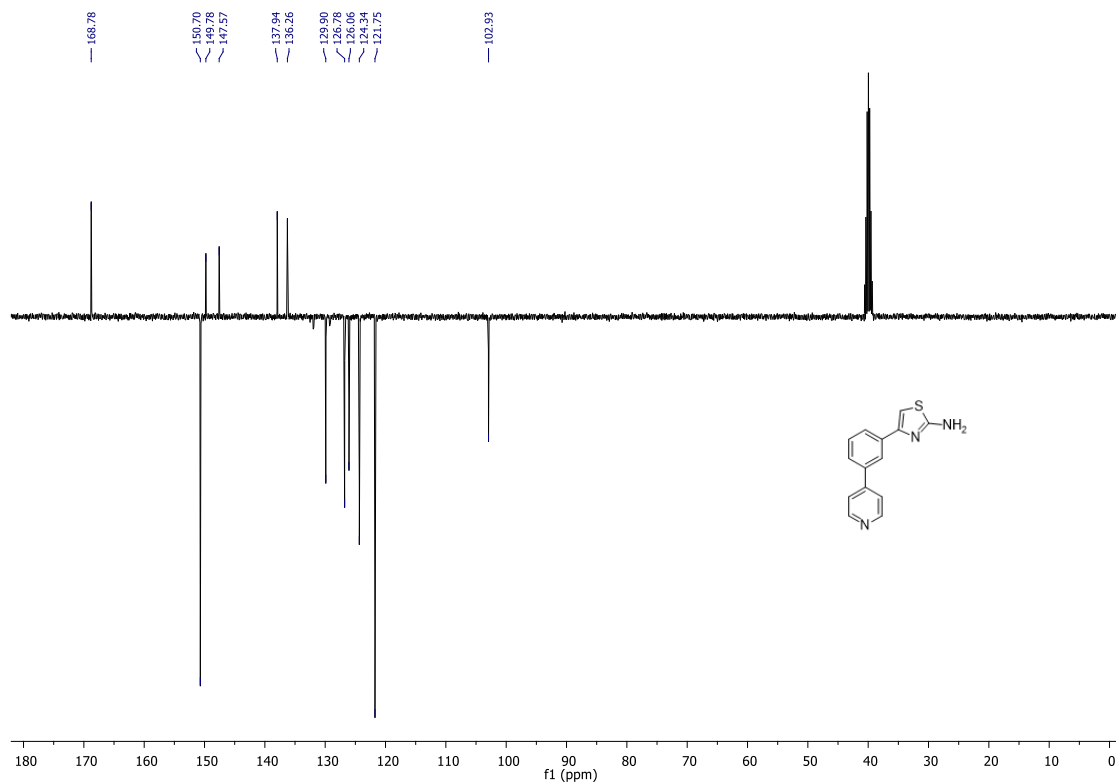


Figure S16. ¹³C NMR spectrum (APT, 100 MHz, DMSO-*d*₆) of compound **4h**.

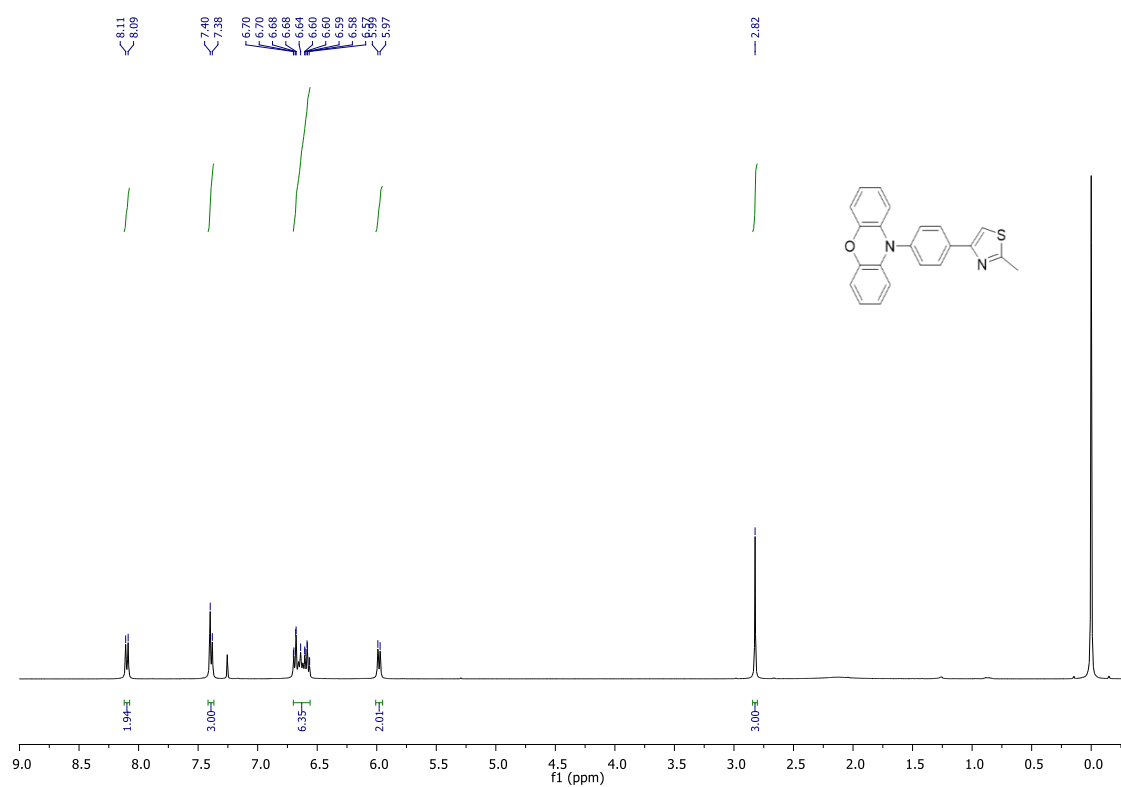


Figure S17. ^1H NMR (400 MHz, CDCl_3) of compound 5.

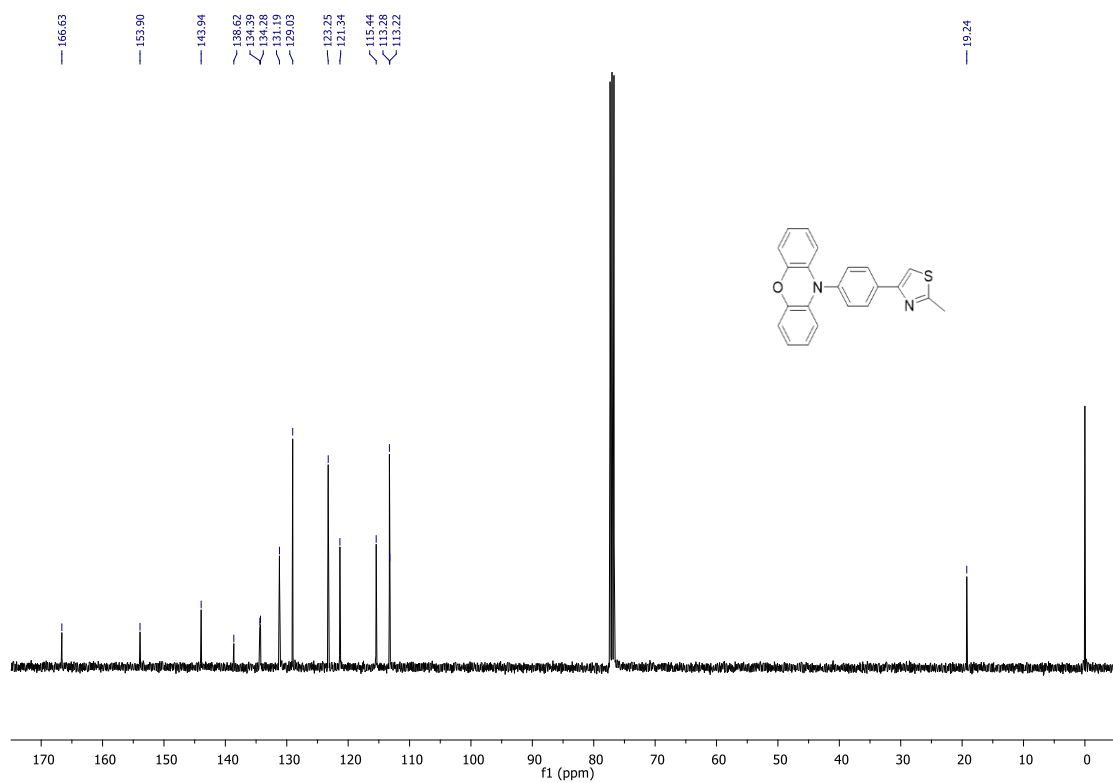


Figure S18. ^{13}C NMR spectrum (100 MHz, CDCl_3) of compound 5.

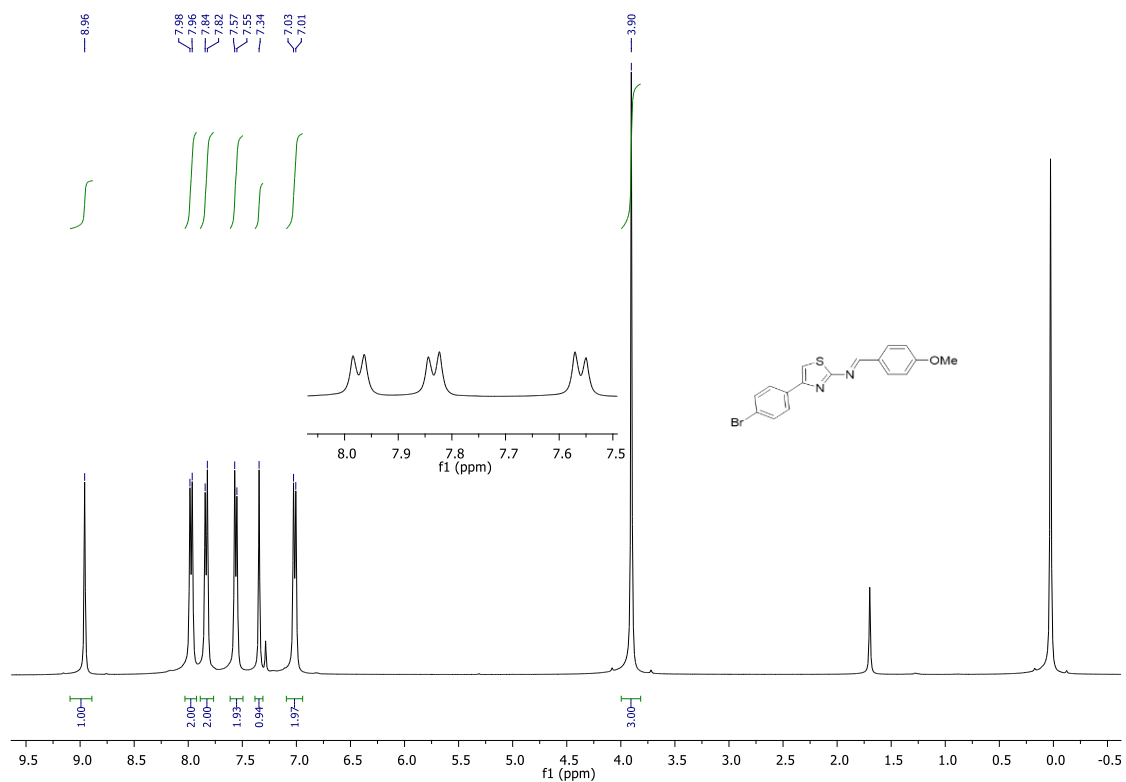


Figure S19. ¹H NMR (400 MHz, CDCl₃) of compound **6a**.

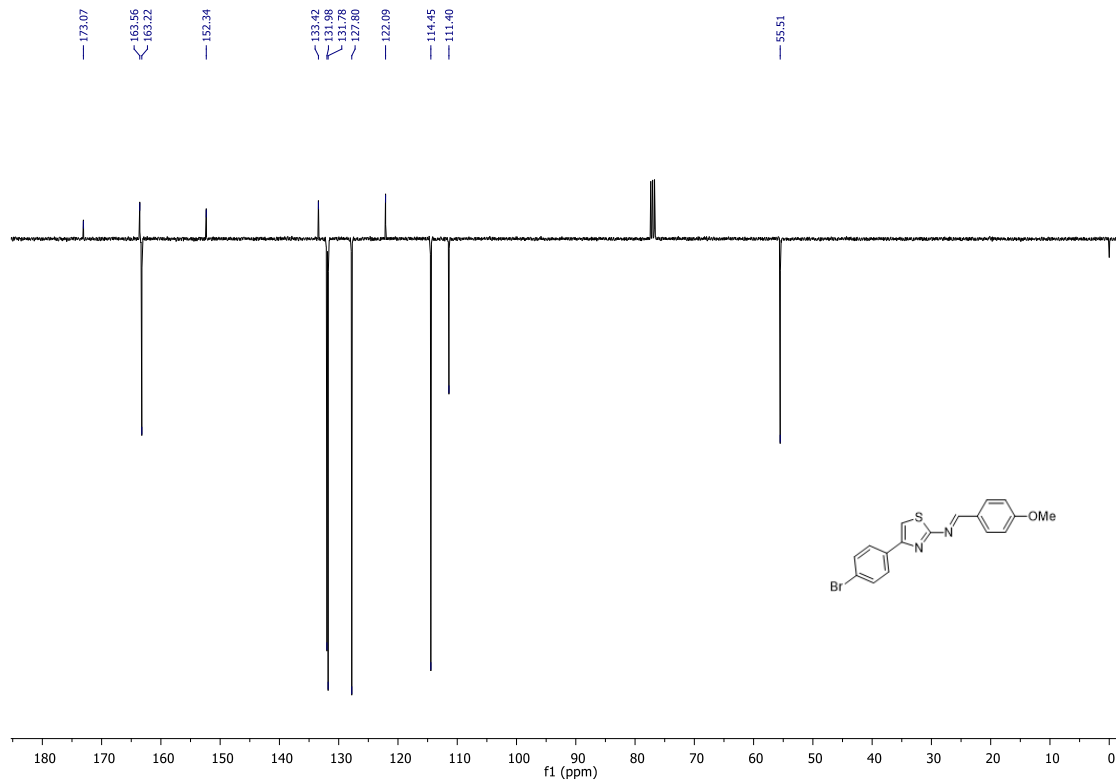


Figure S20. ¹³C NMR spectrum (APT, 100 MHz, CDCl₃) of compound **6a**.

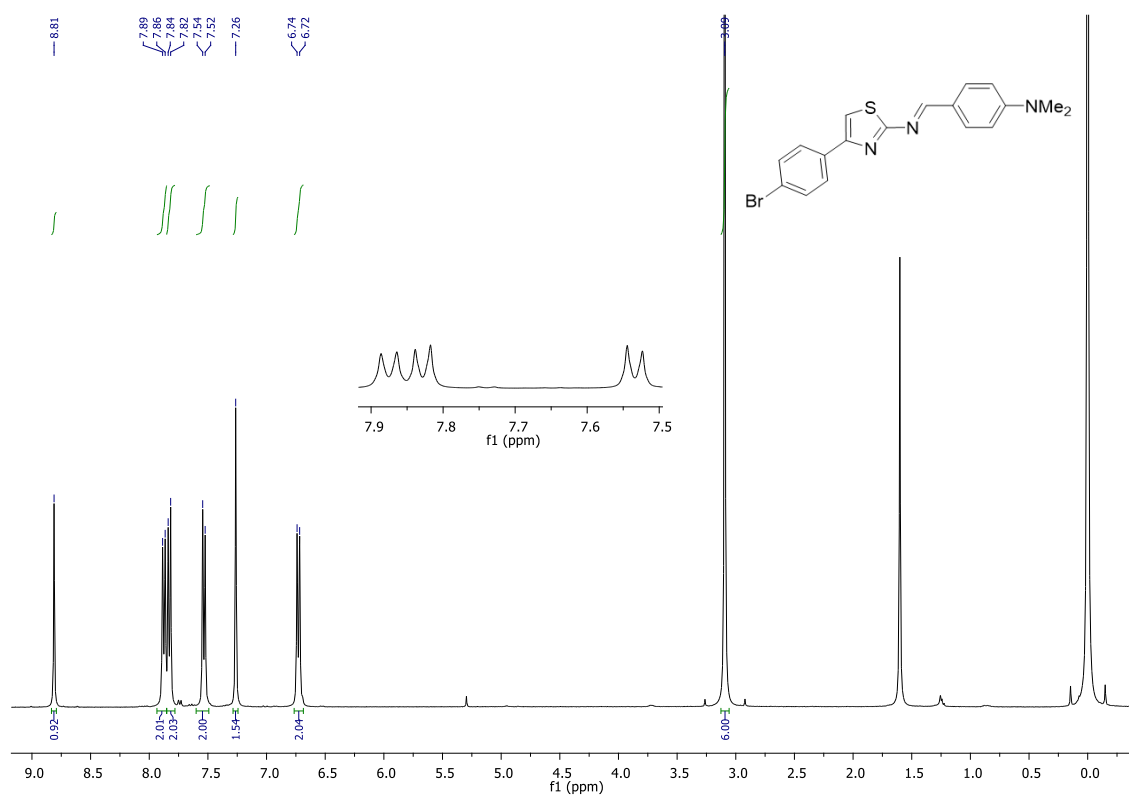


Figure S21. ¹H NMR (400 MHz, CDCl₃) of compound **6b**.

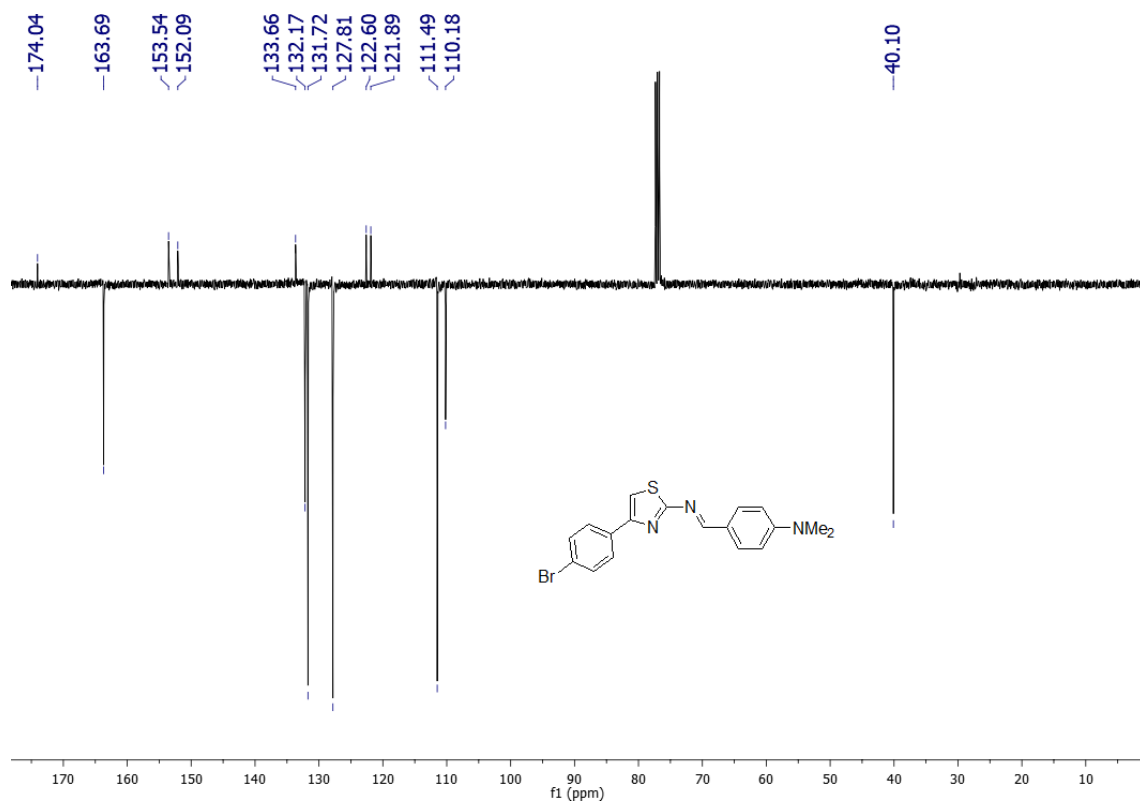


Figure S22. ¹³C NMR spectrum (APT, 100 MHz, CDCl₃) of compound **6b**.

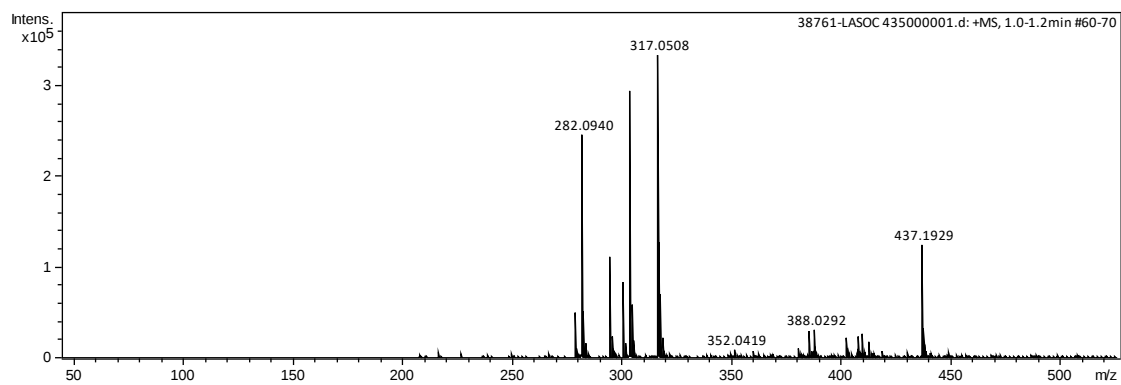


Figure S23. HRMS (ESI(+)) spectra of compound **4a**.

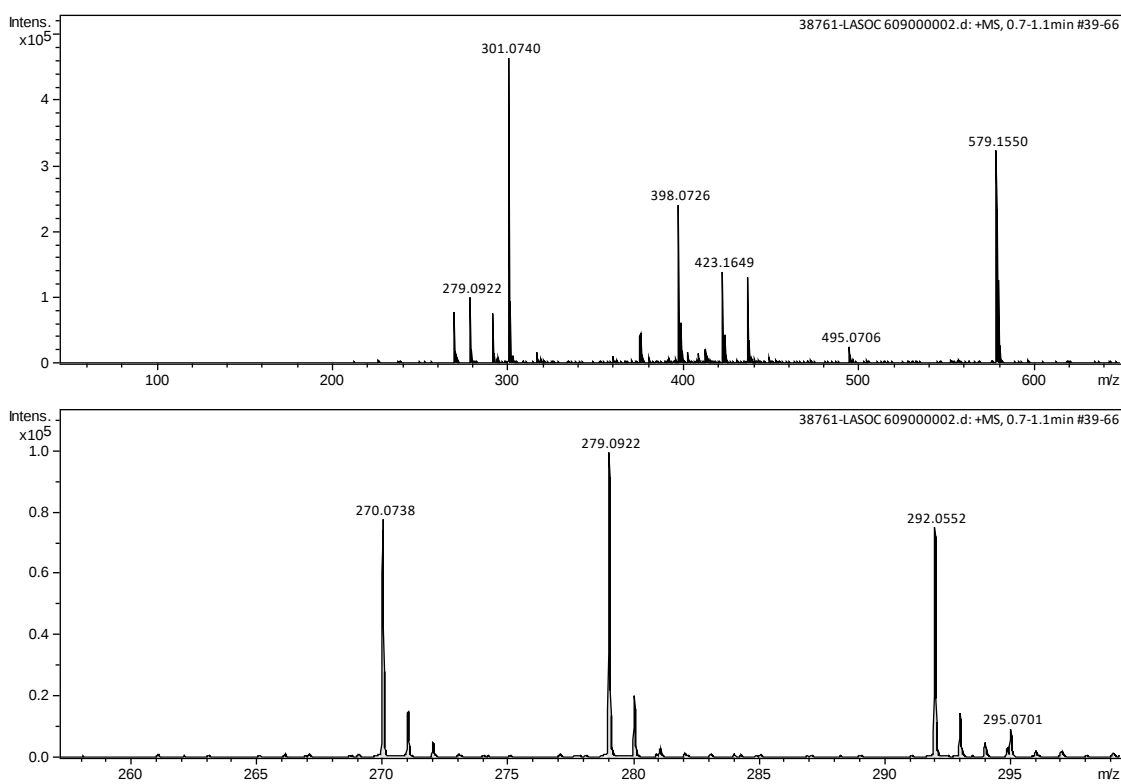


Figure S24. HRMS (ESI(+)) spectra of compound **4b**.

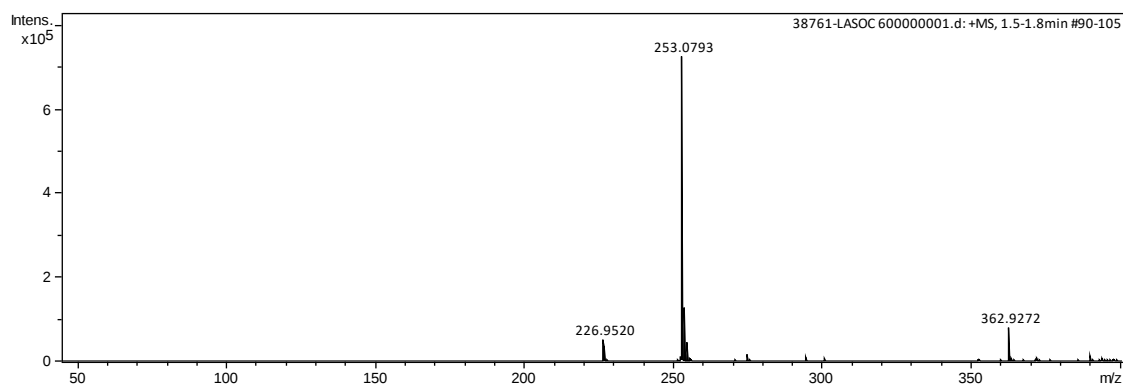


Figure S25. HRMS (ESI(+)) spectra of compound **4c**.

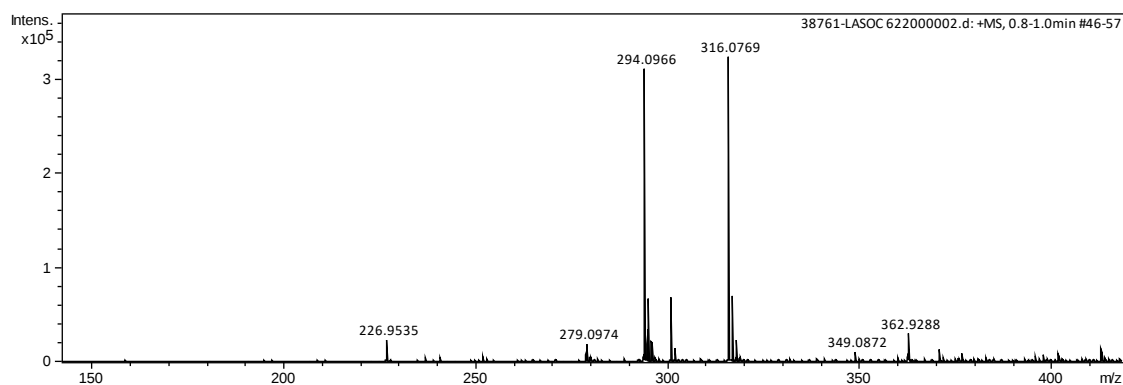


Figure S26. HRMS (ESI(+)) spectra of compound **4d**.

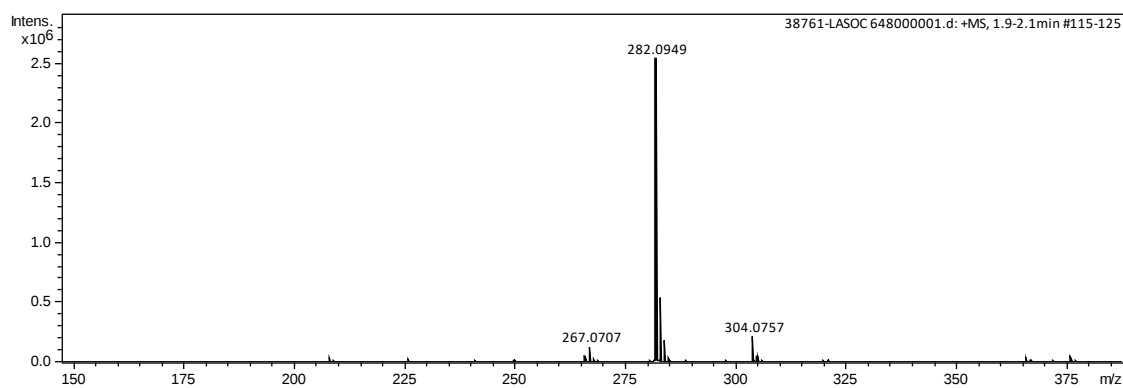


Figure S27. HRMS (ESI(+)) spectra of compound **4e**.

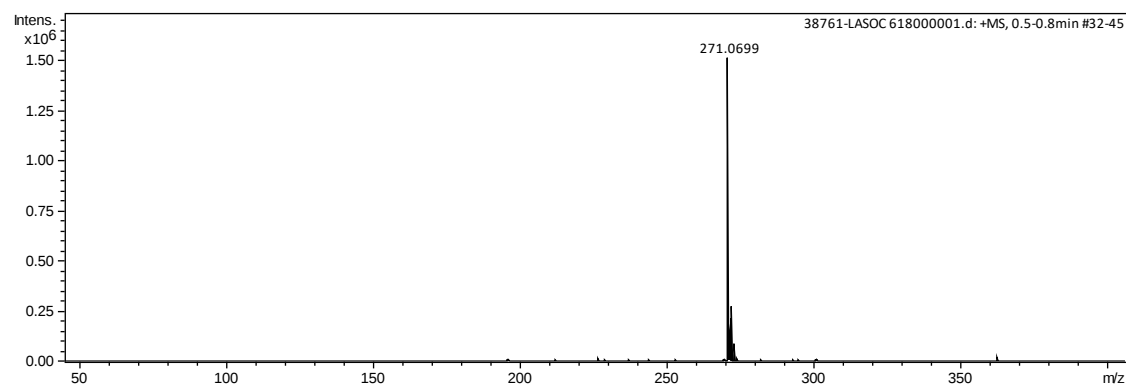


Figure S28. HRMS (ESI(+)) spectra of compound **4f**.

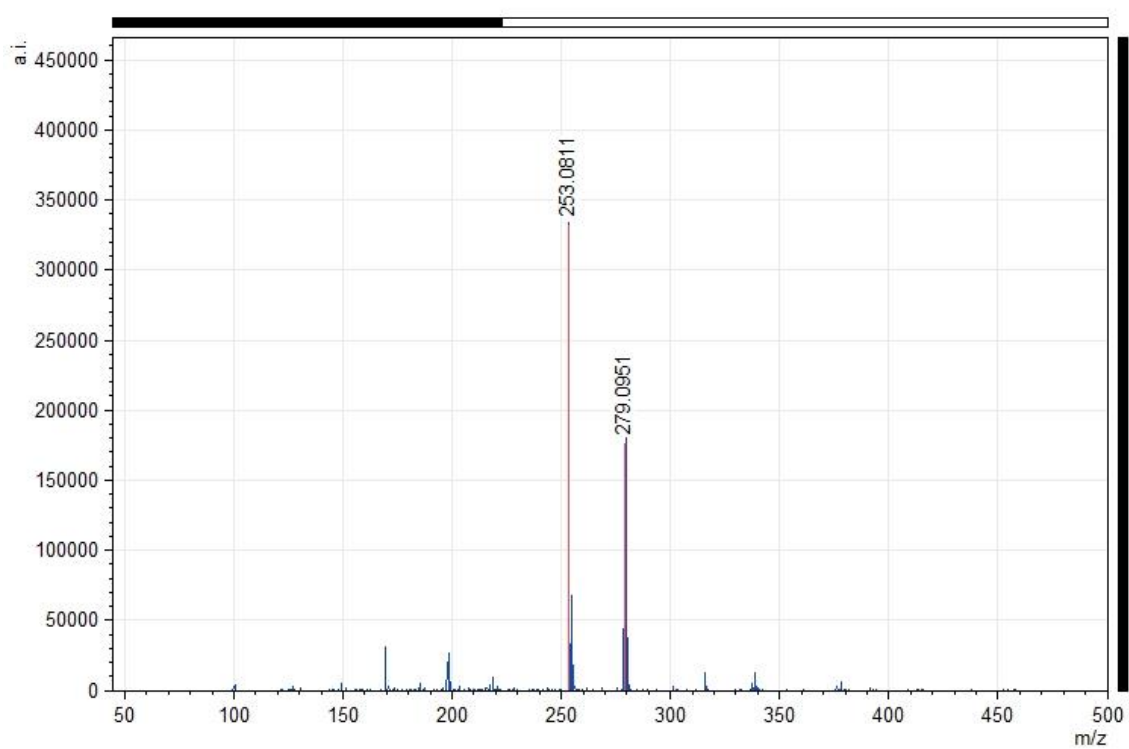


Figure S29. HRMS (ESI(+)) spectra of compound **4g**.

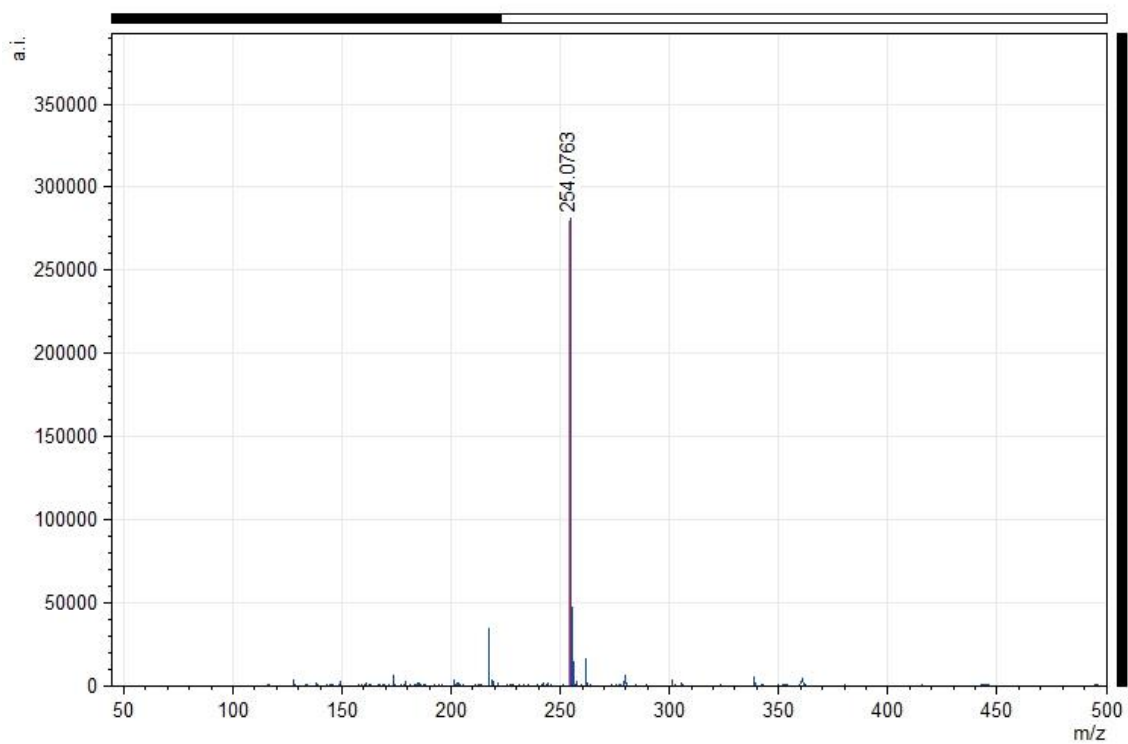


Figure S30. HRMS (ESI-+) spectra of compound 4h.

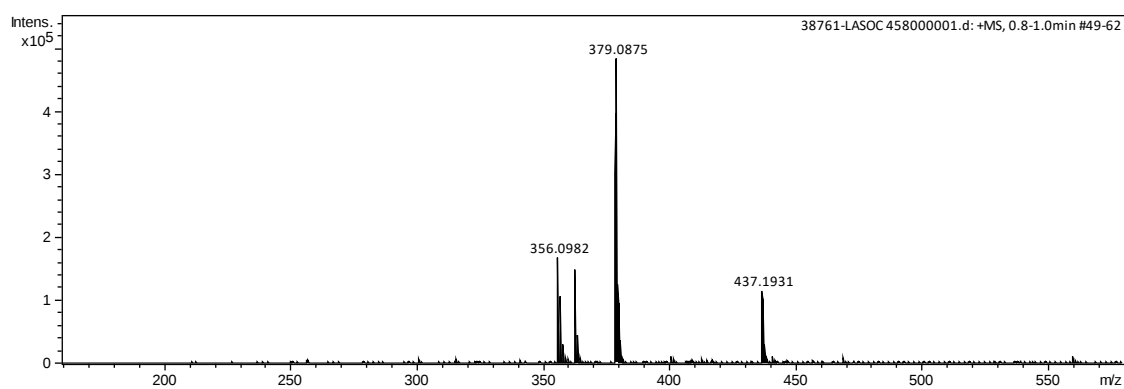


Figure S31. HRMS (ESI-+) spectra of compound 5.

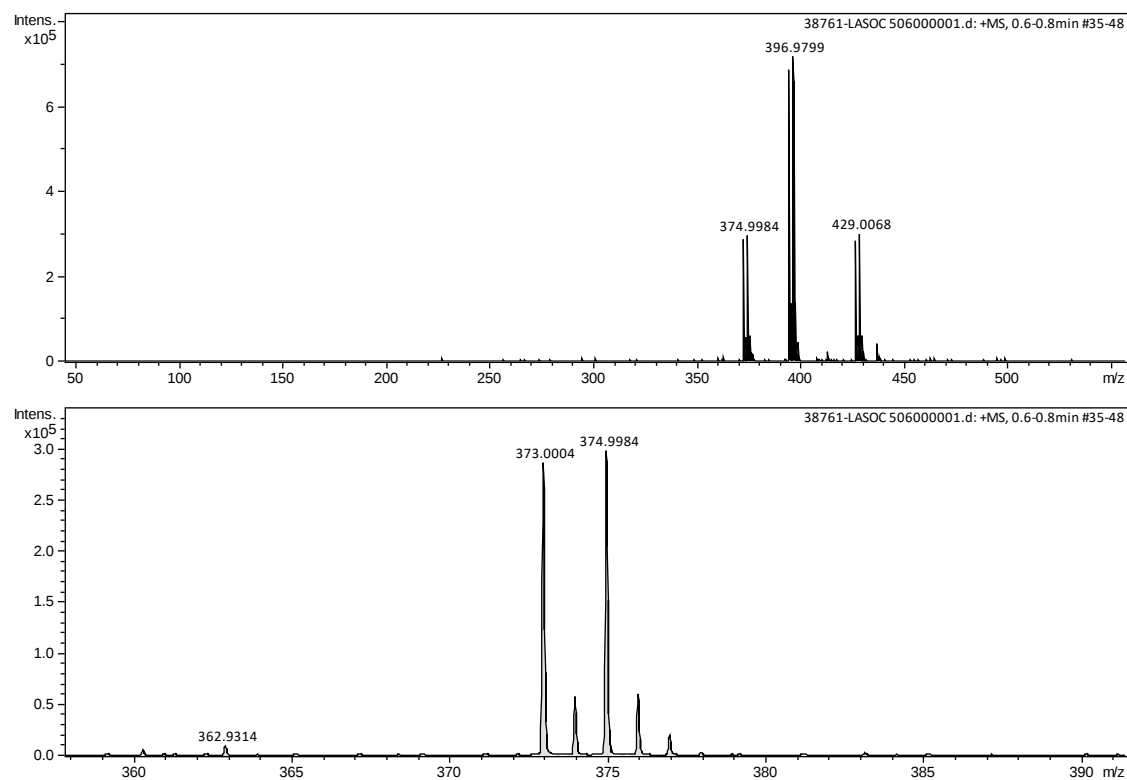


Figure S32. HRMS (ESI-+) spectra of compound 6a.

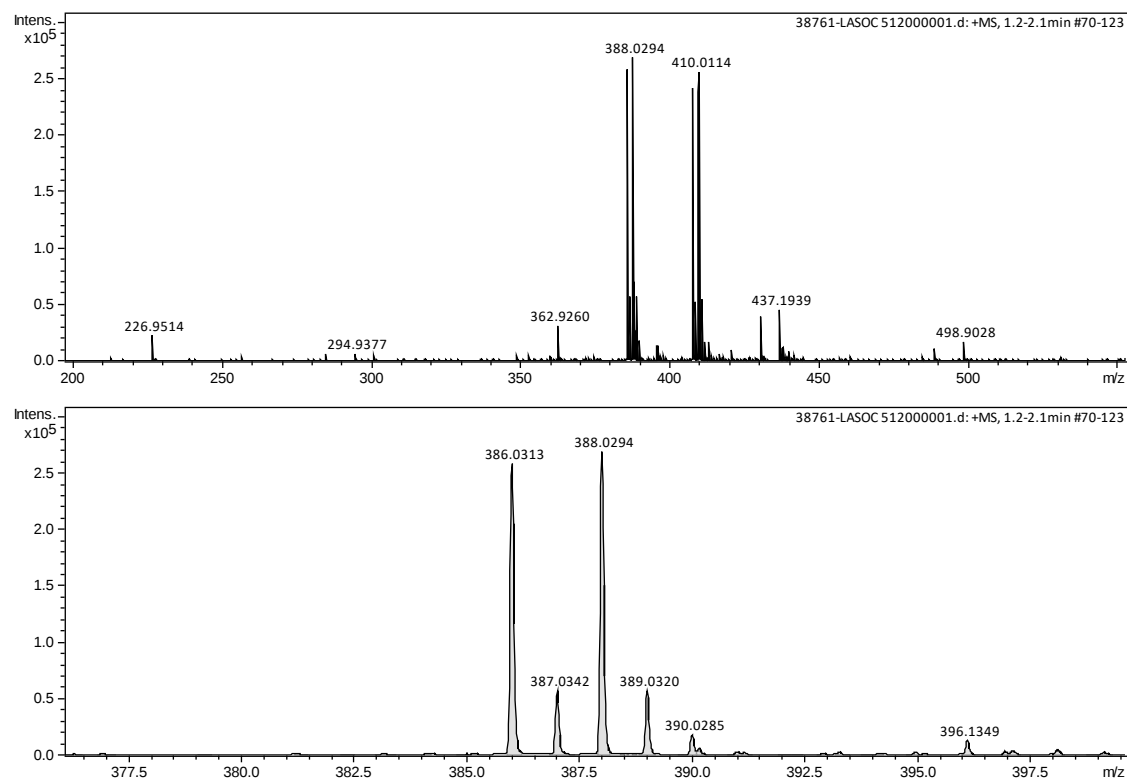


Figure S33. HRMS (ESI-+) spectra of compound 6b.

Activity against *T. cruzi* Tulahuen strain

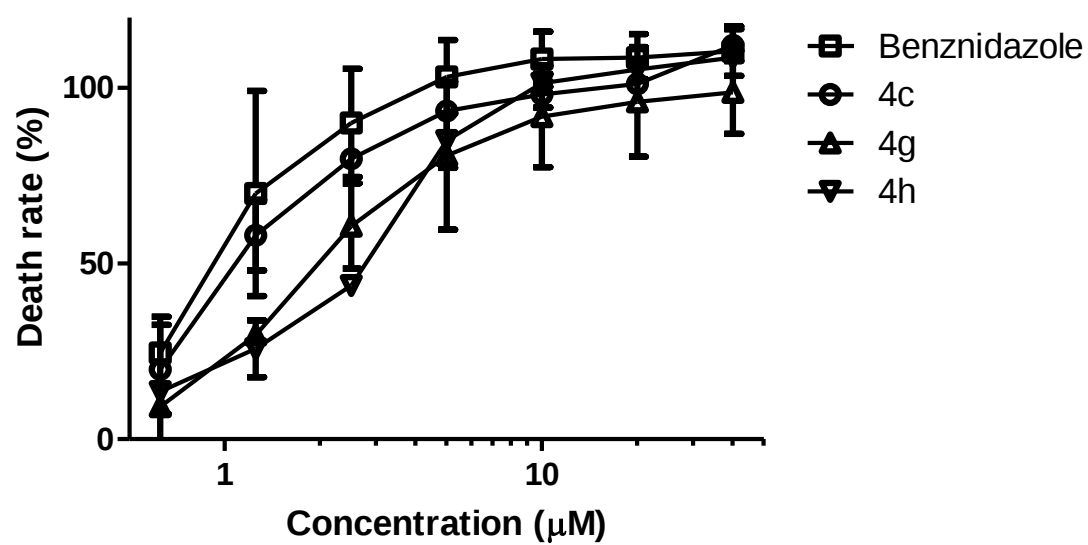


Figure S34. Activity of compounds **4c**, **4g** and **4h** against intracellular forms of *T. cruzi* Tulahuen strain.