

Phenolic Thiazoles with Antioxidant and Antiradical Activity. Synthesis, In Vitro Evaluation, Toxicity, Electrochemical Behavior, Quantum Studies and Antimicrobial Screening

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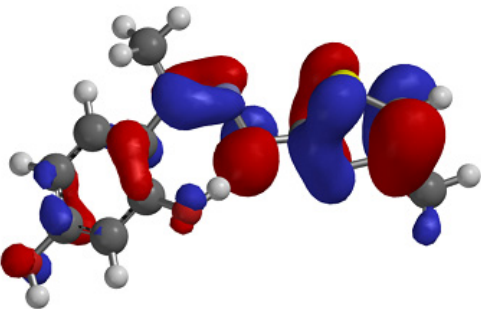
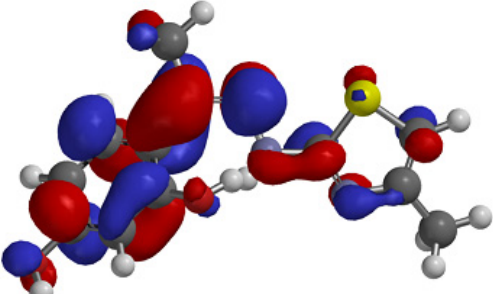
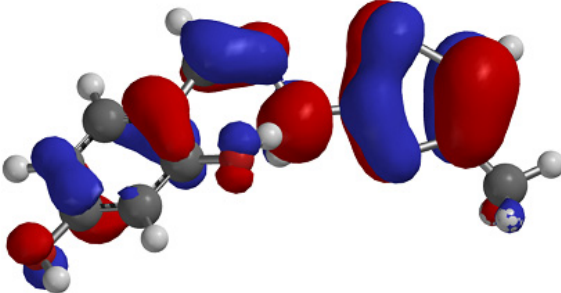
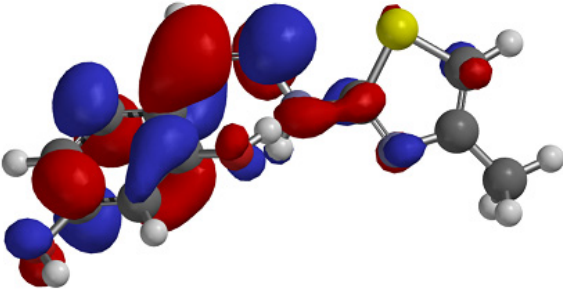
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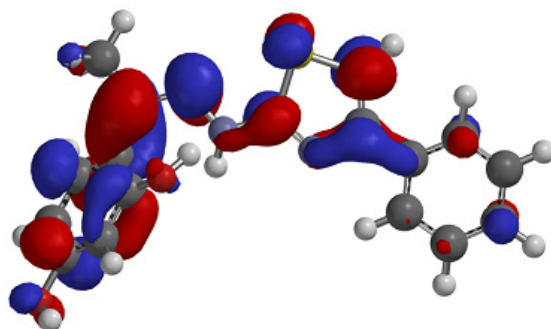
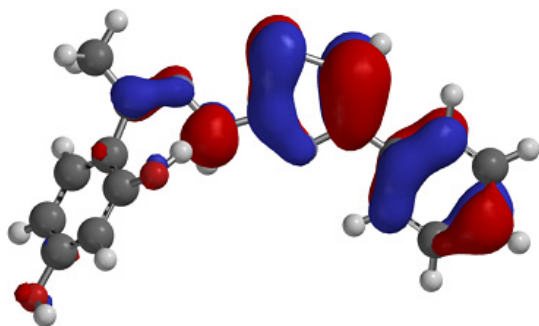
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Theoretical Quantum Studies

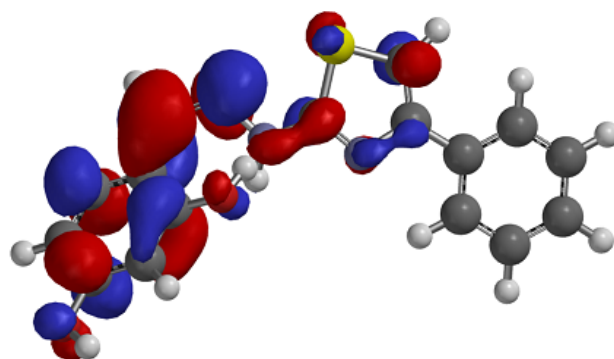
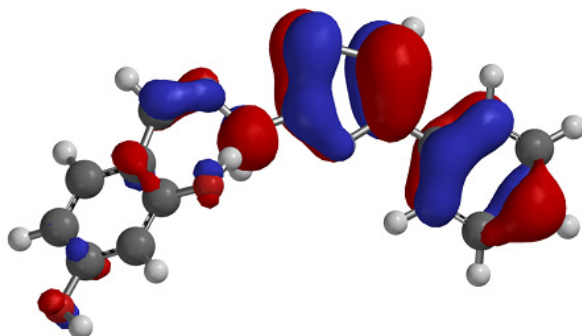
Table S1. HOMO and LUMO depicted for the compounds 5a-b, 6a-b and 8a-b.

Compound d	HOMO	LUMO
5a		
5b		

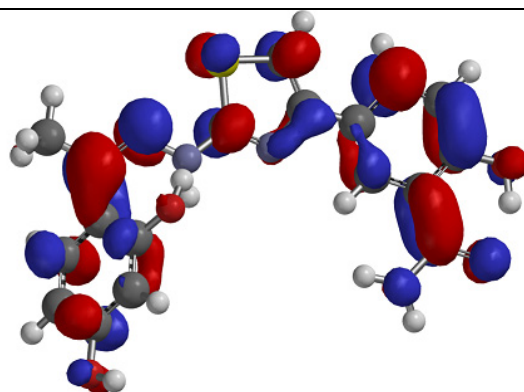
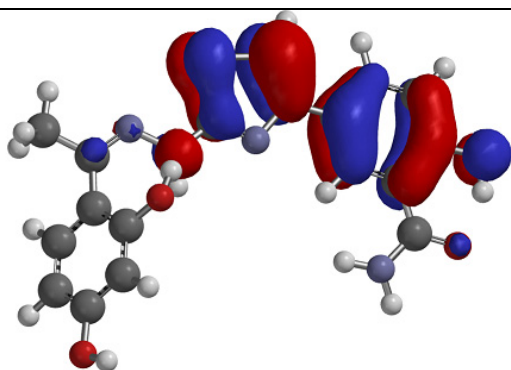
6a



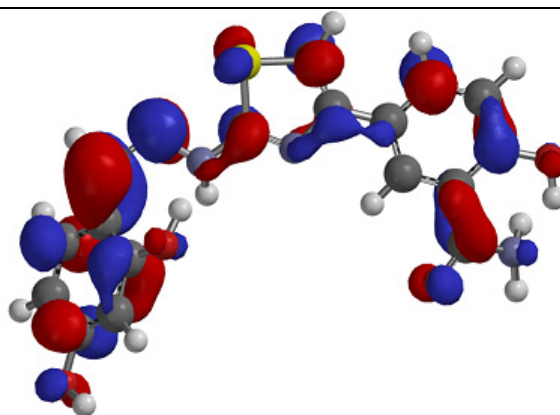
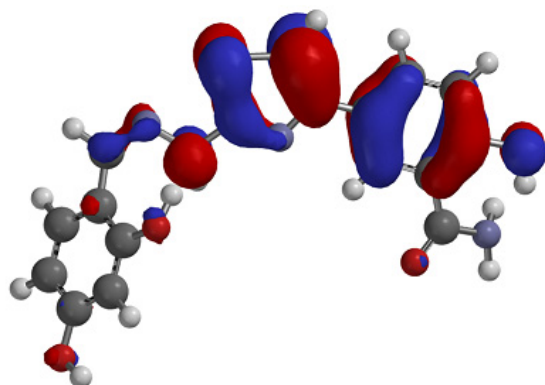
6b



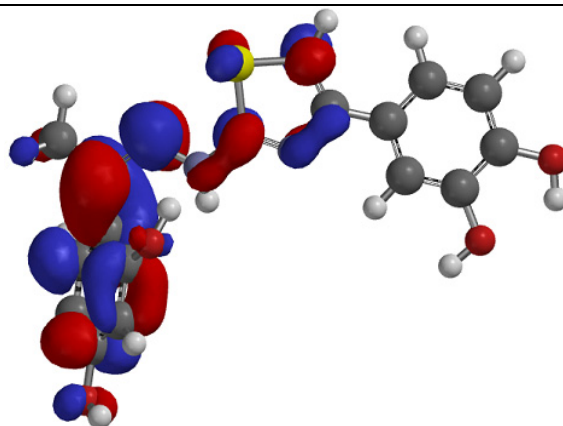
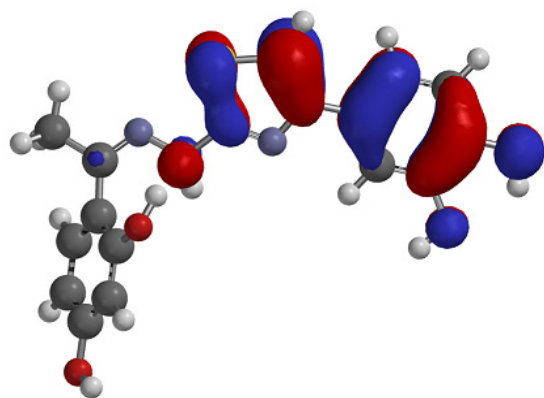
7a



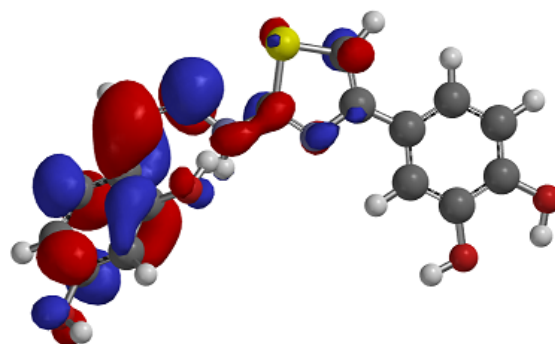
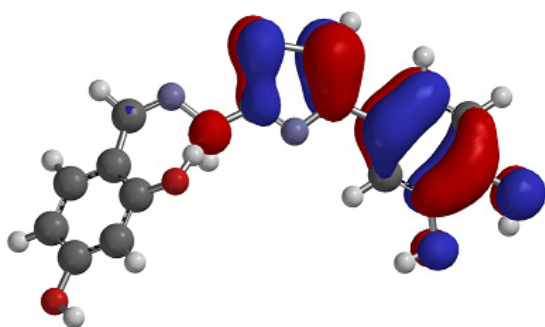
7b



8a



8b



Spectral data for the compounds 5b, 6a-b, 7a-b and 8a-b

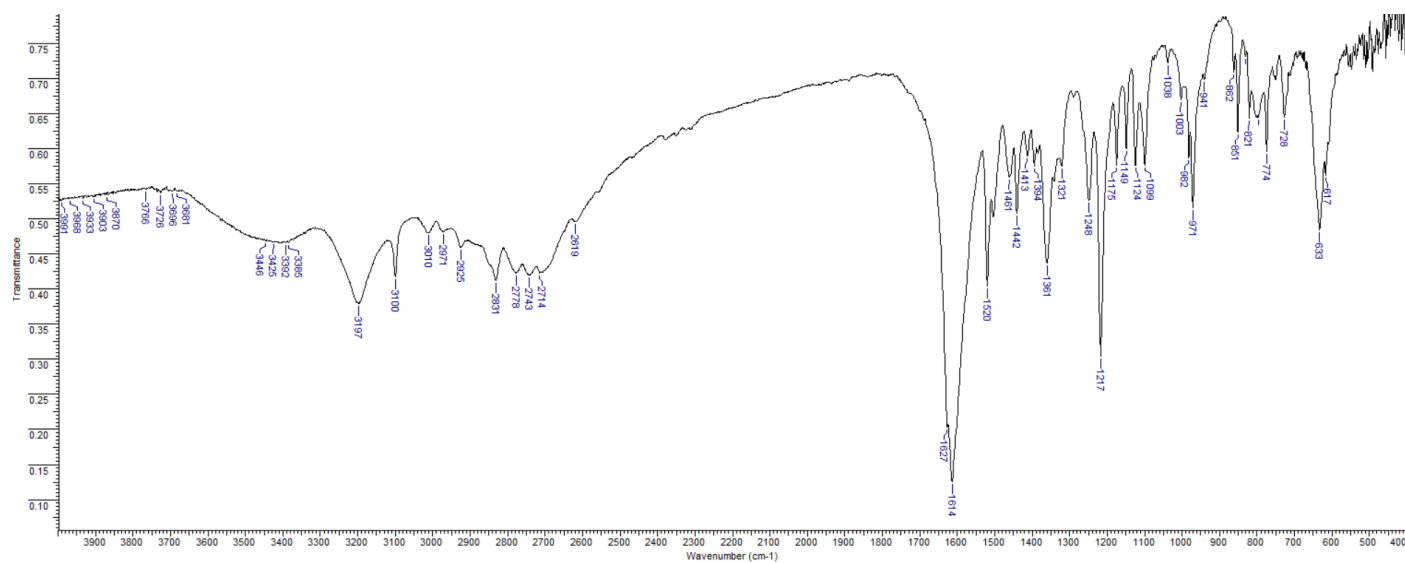


Figure S1. FTIR spectrum of compound 5b.

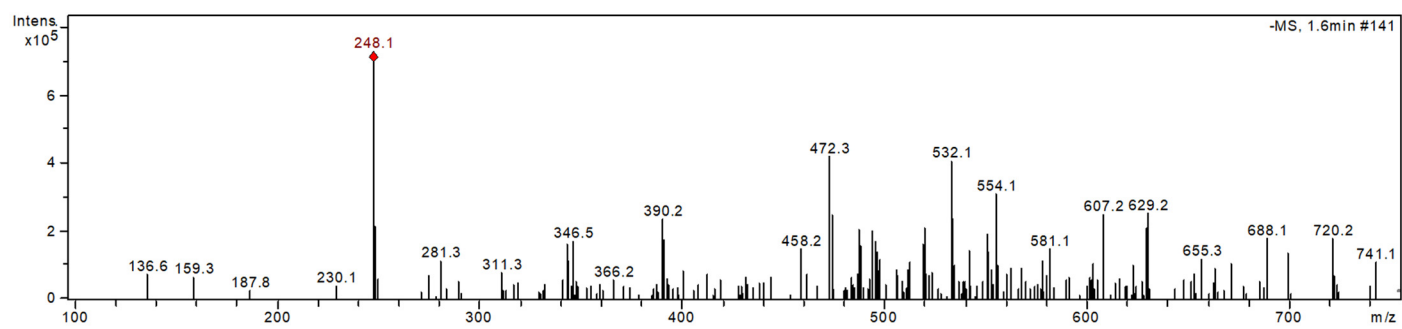


Figure S2. MS spectrum of compound 5b.

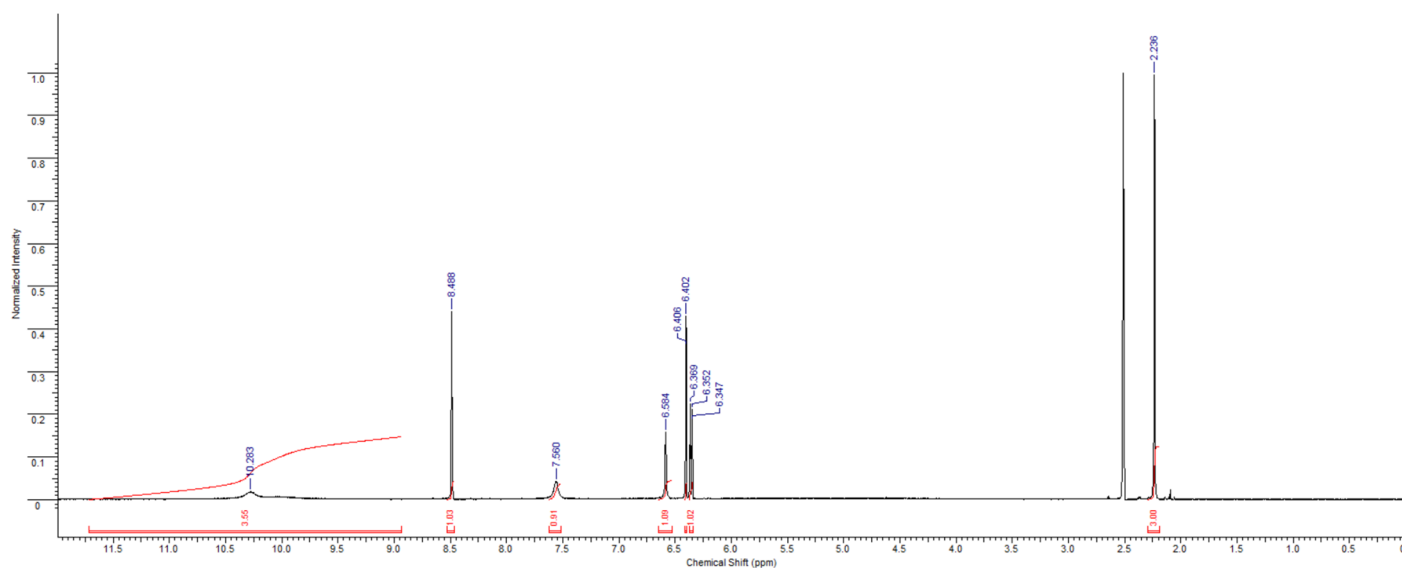


Figure S3. ¹H-NMR spectrum of compound 5b.

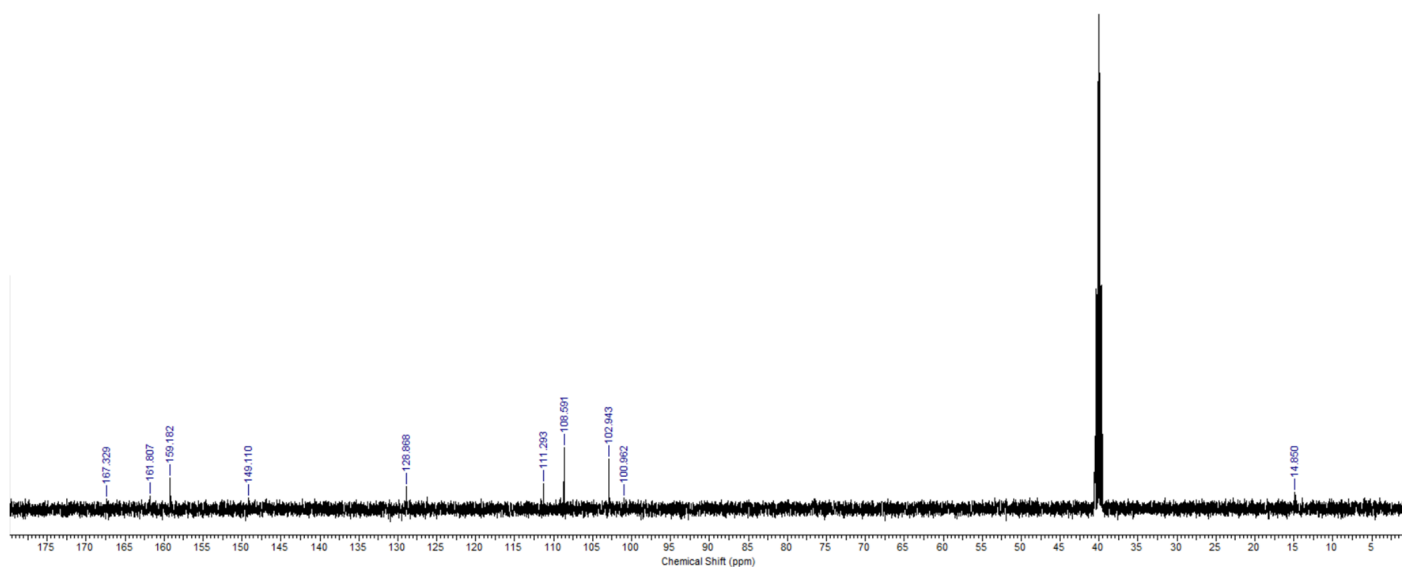


Figure S4. ¹³C-NMR spectrum of compound 5b.

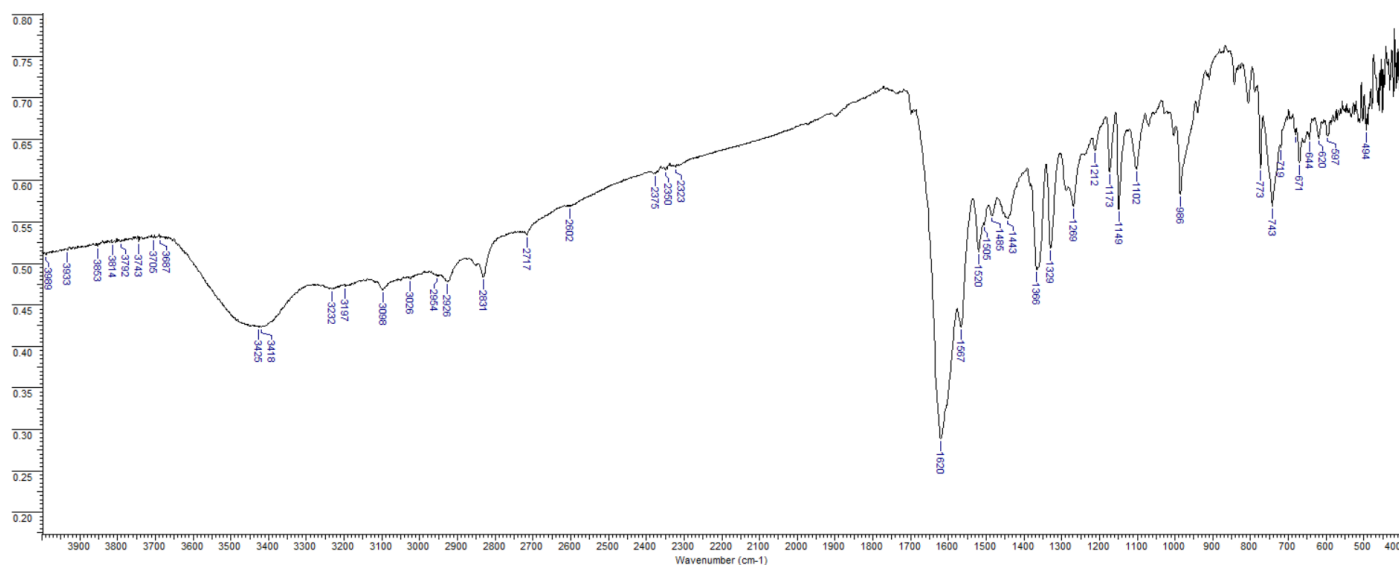


Figure S5. FTIR spectrum of compound **6a**.

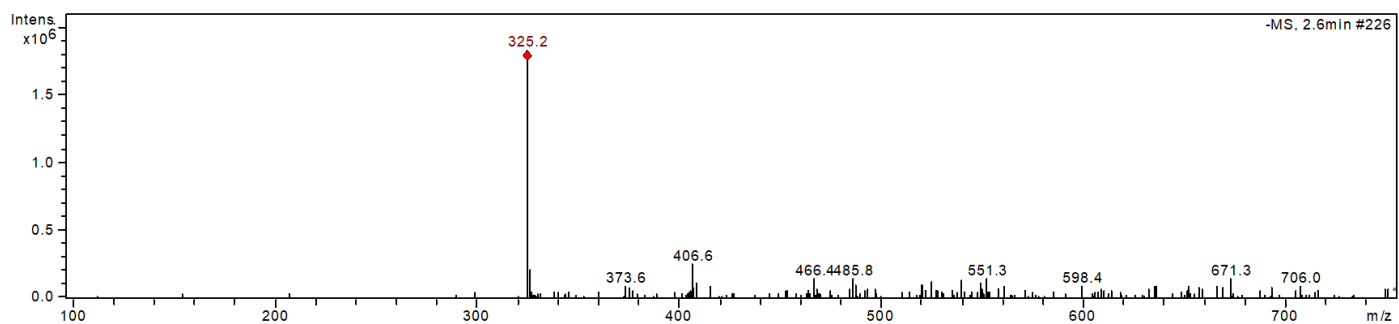


Figure S6. MS spectrum of compound **6a**.

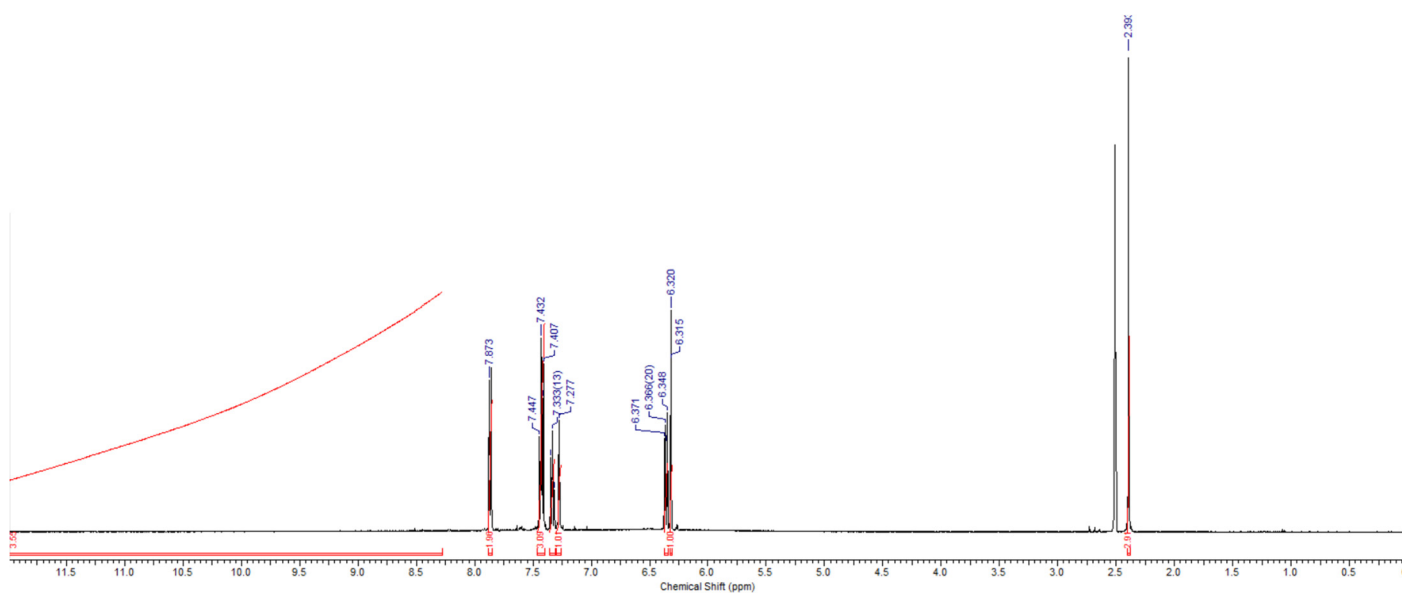


Figure S7. ^1H -NMR spectrum of compound **6a**.

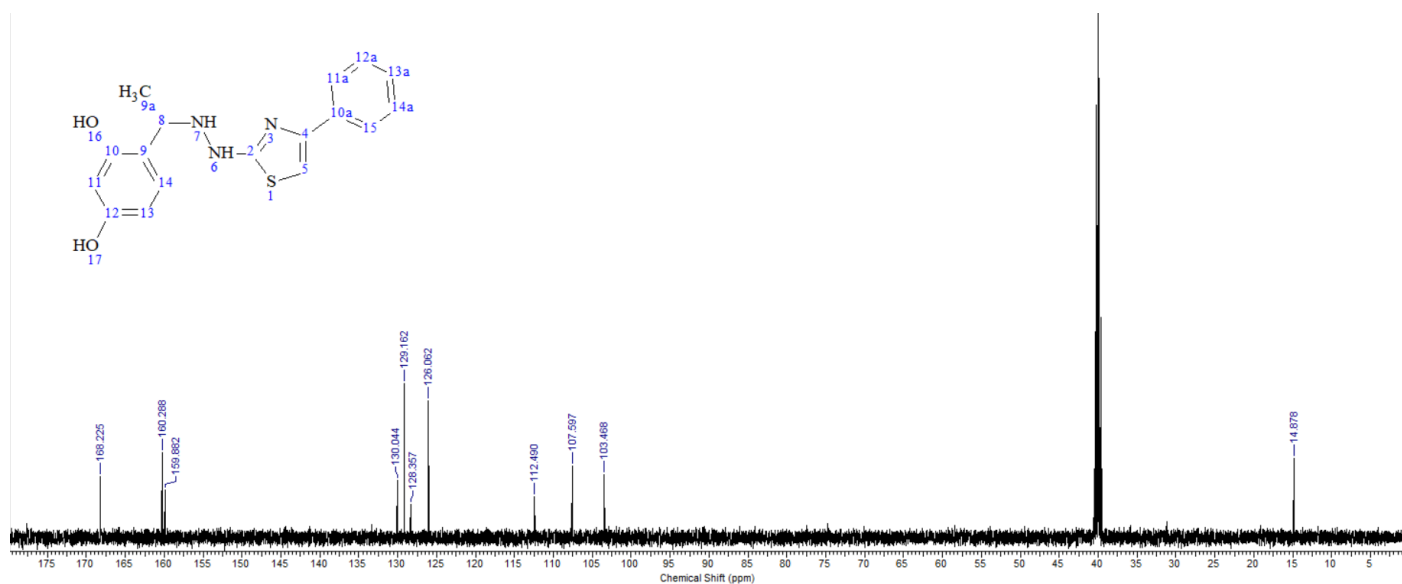


Figure S8. ^{13}C -NMR spectrum of compound 6a.

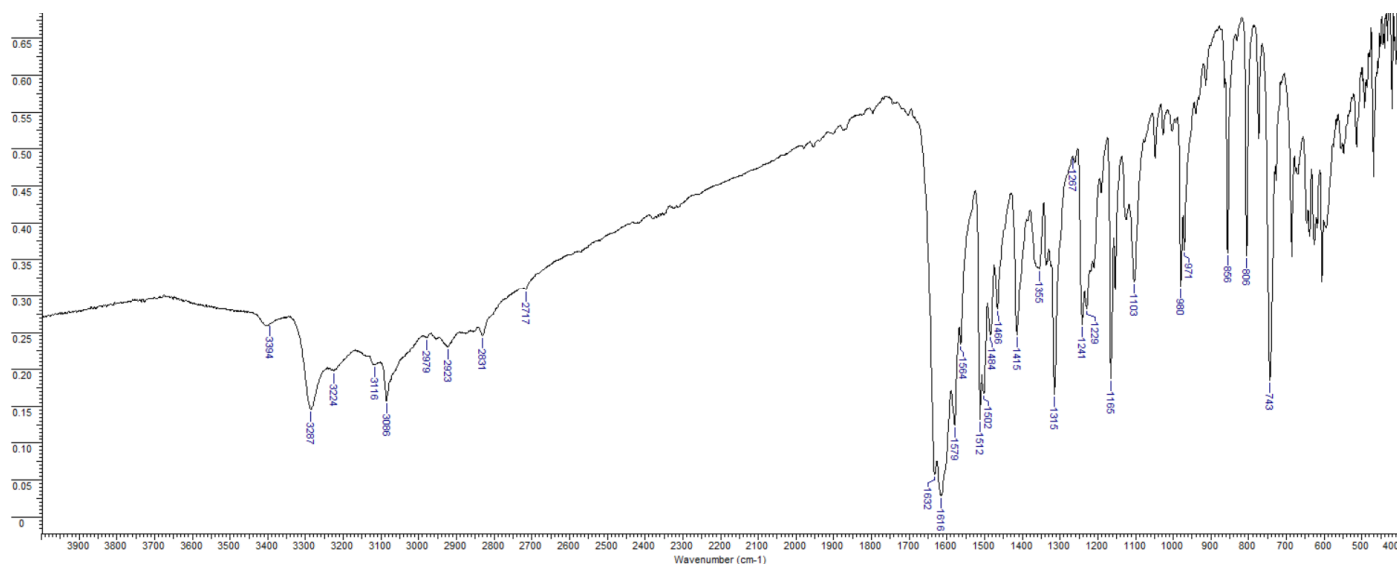


Figure S9. FTIR spectrum of compound 6b.

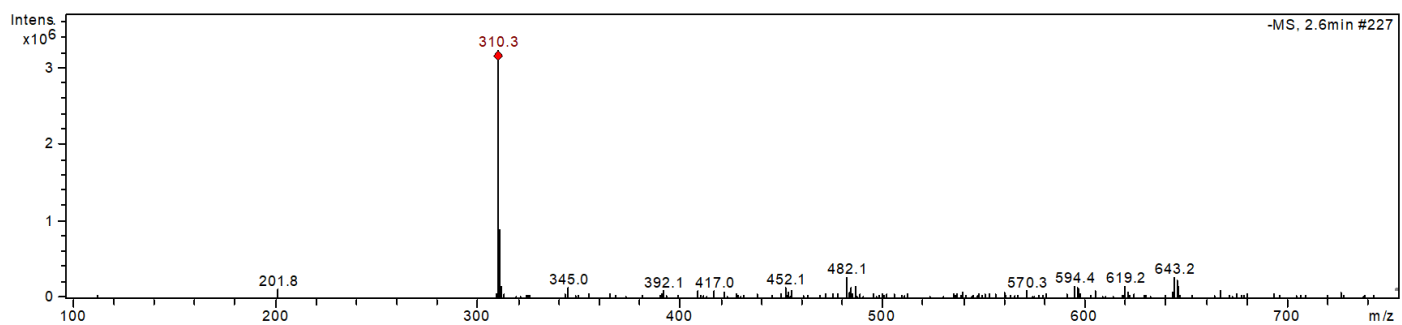


Figure S10. MS spectrum of compound 6b.

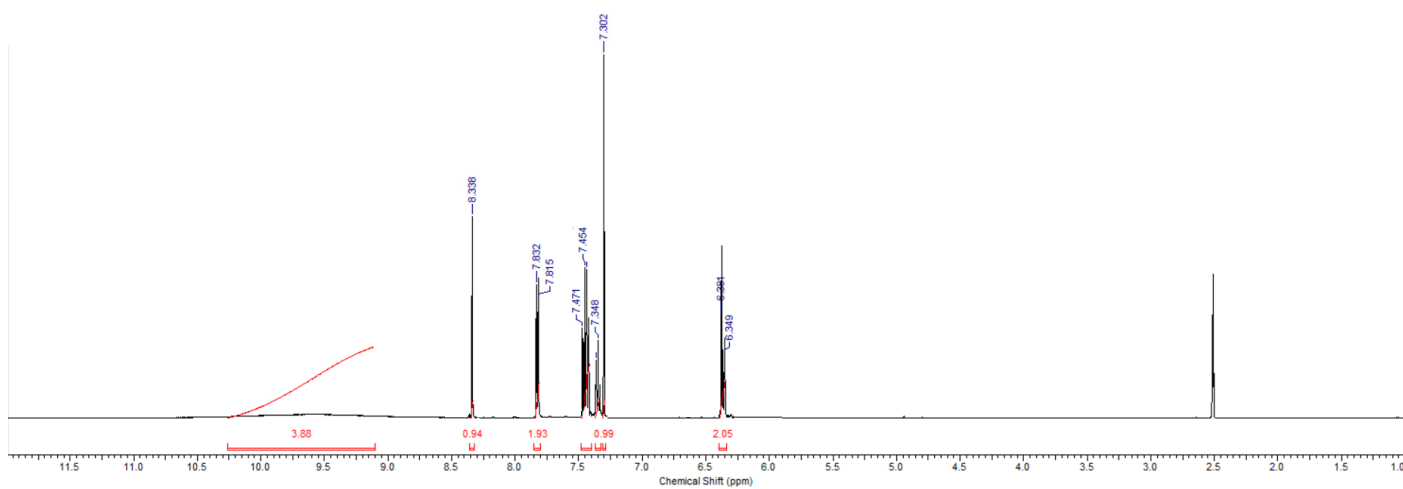


Figure S11. ¹H-NMR spectrum of compound **6b**.

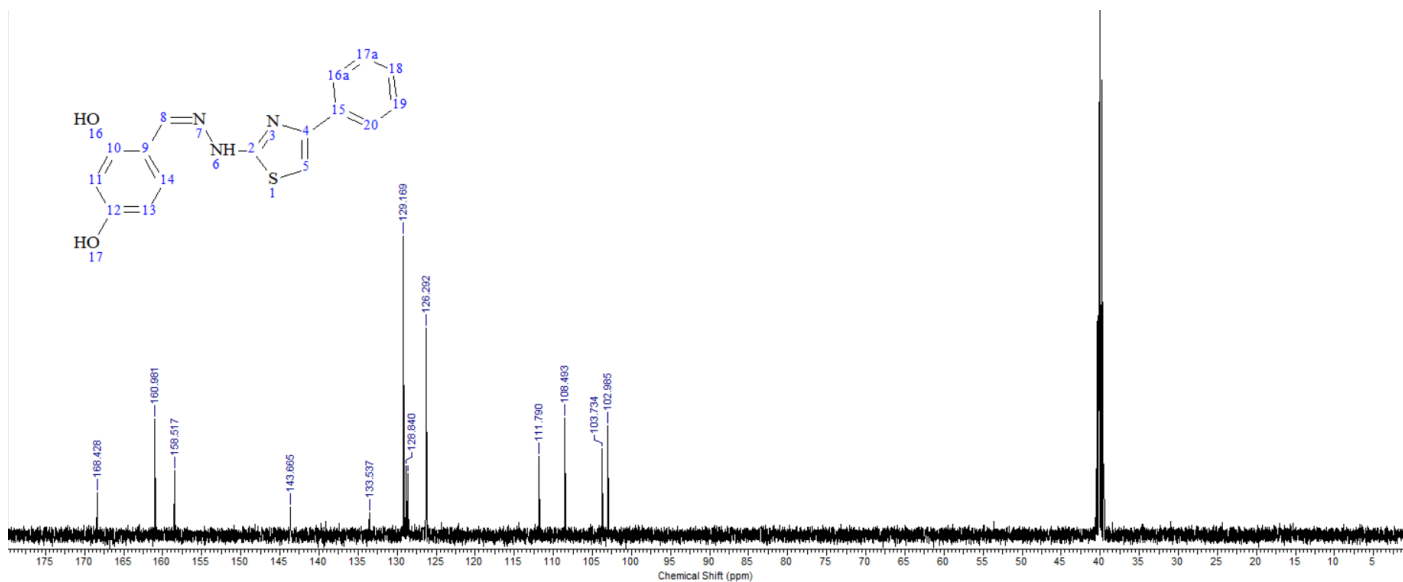


Figure S12. ¹³C-NMR spectrum of compound **6b**.

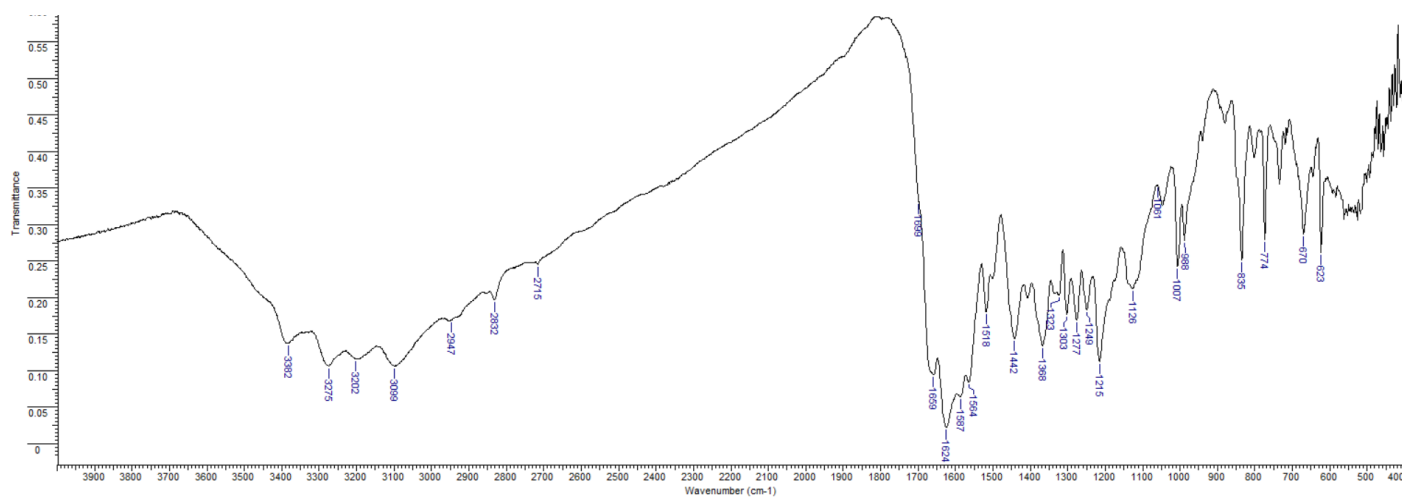


Figure S13. FTIR spectrum of compound 7a.

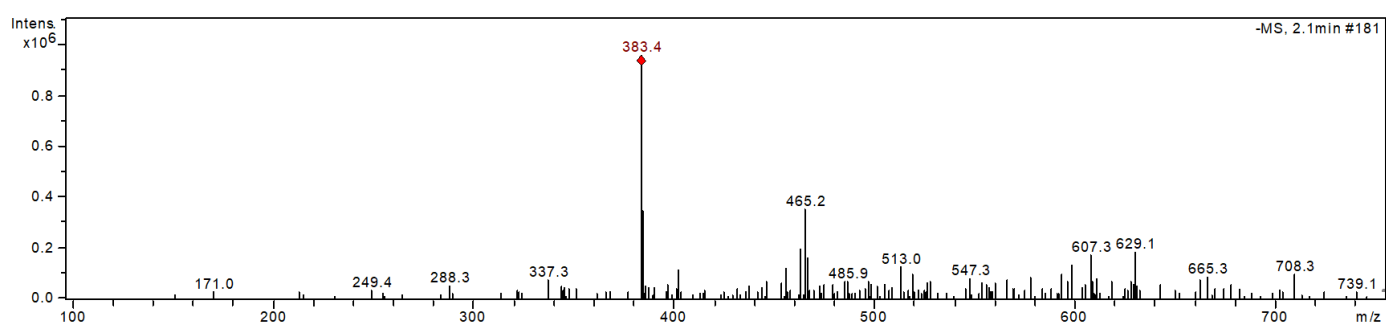


Figure S14. MS spectrum of compound 7a.

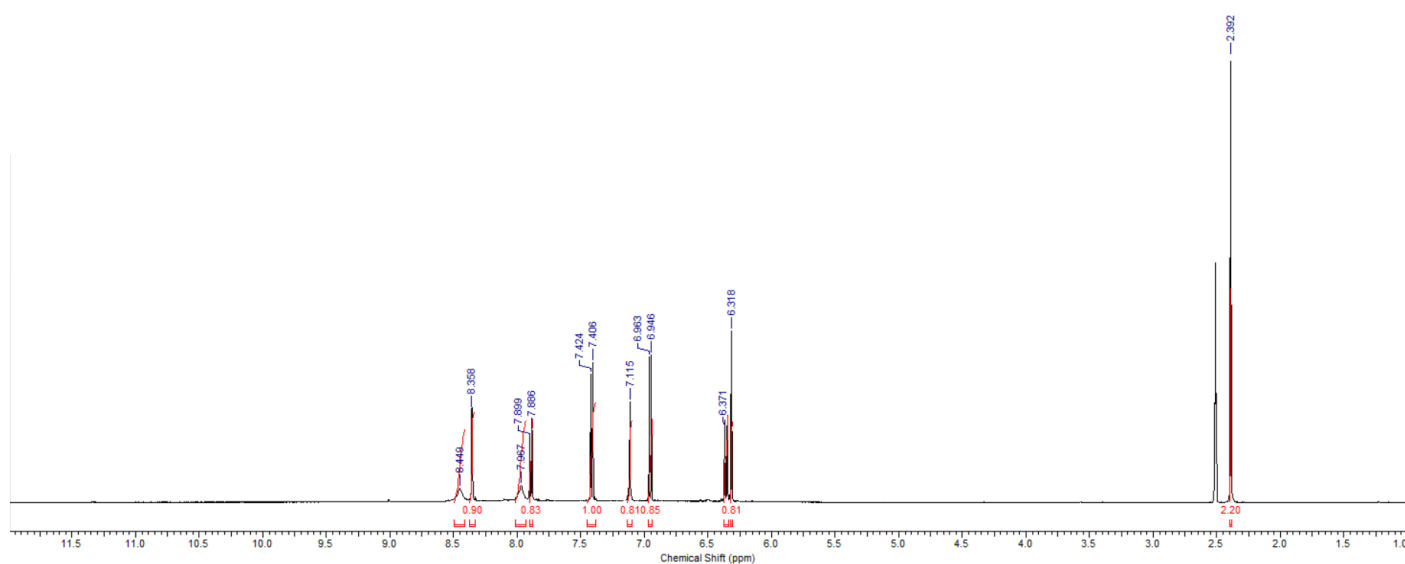


Figure S15. ¹H-NMR spectrum of compound 7a.

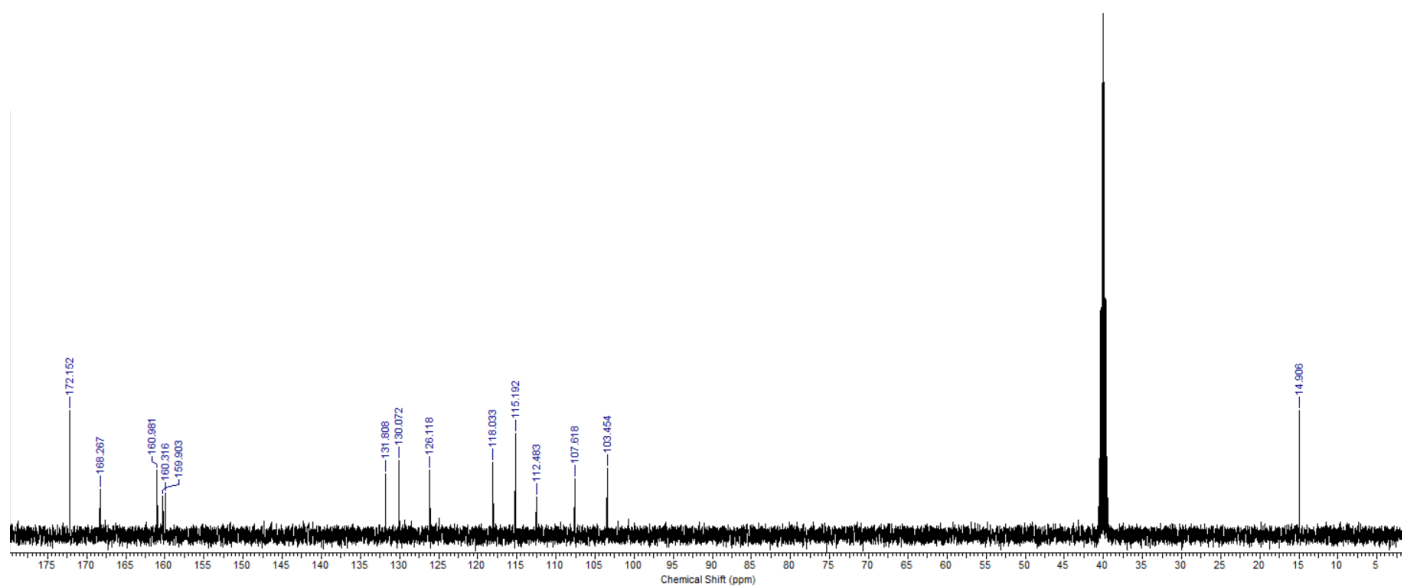


Figure S16. ^{13}C -NMR spectrum of compound **7a**.

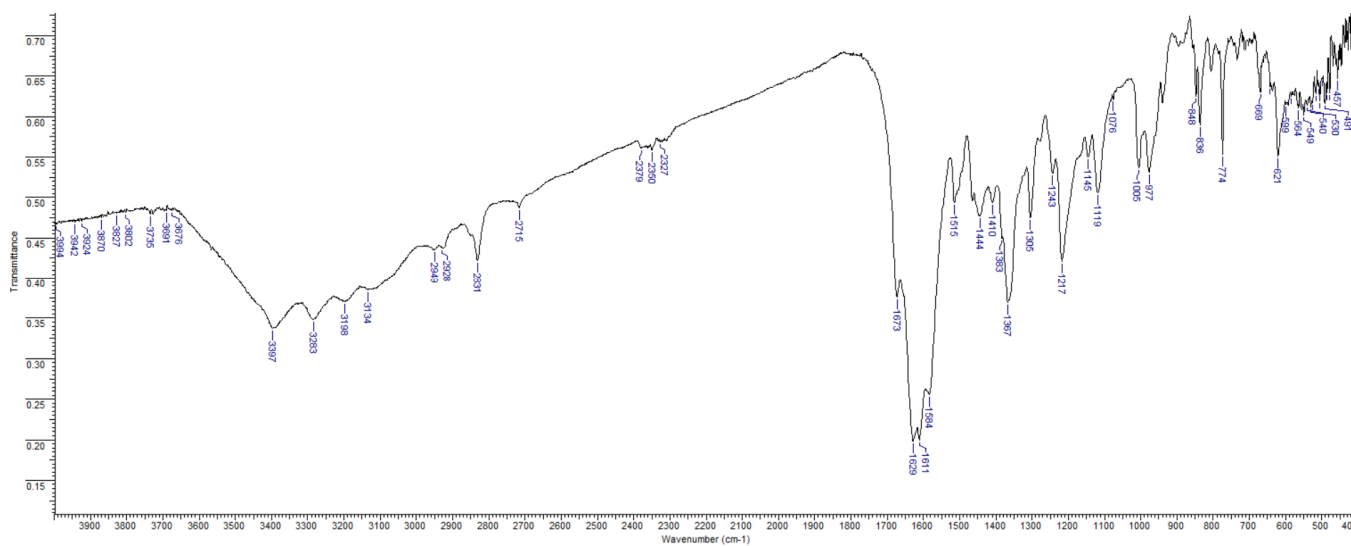


Figure S17. FTIR spectrum of compound **7b**.

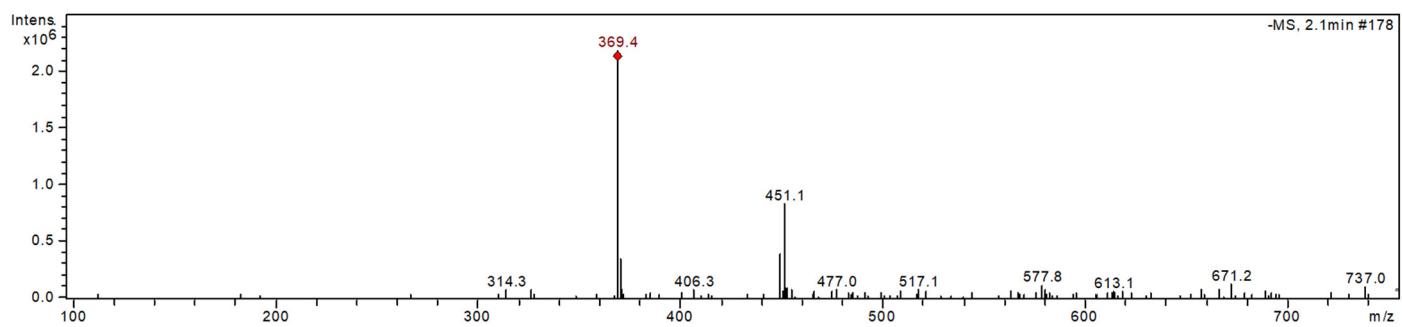


Figure S18. MS spectrum of compound **7b**.

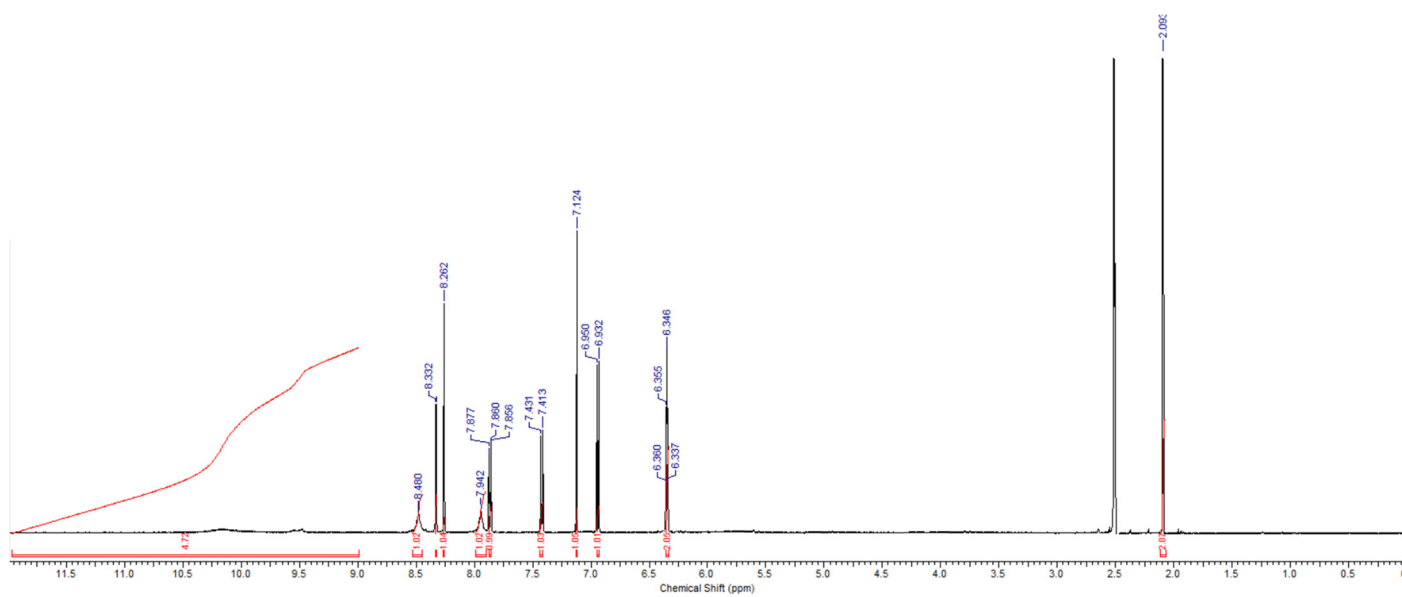


Figure S19. ¹H-NMR spectrum of compound **7b**.

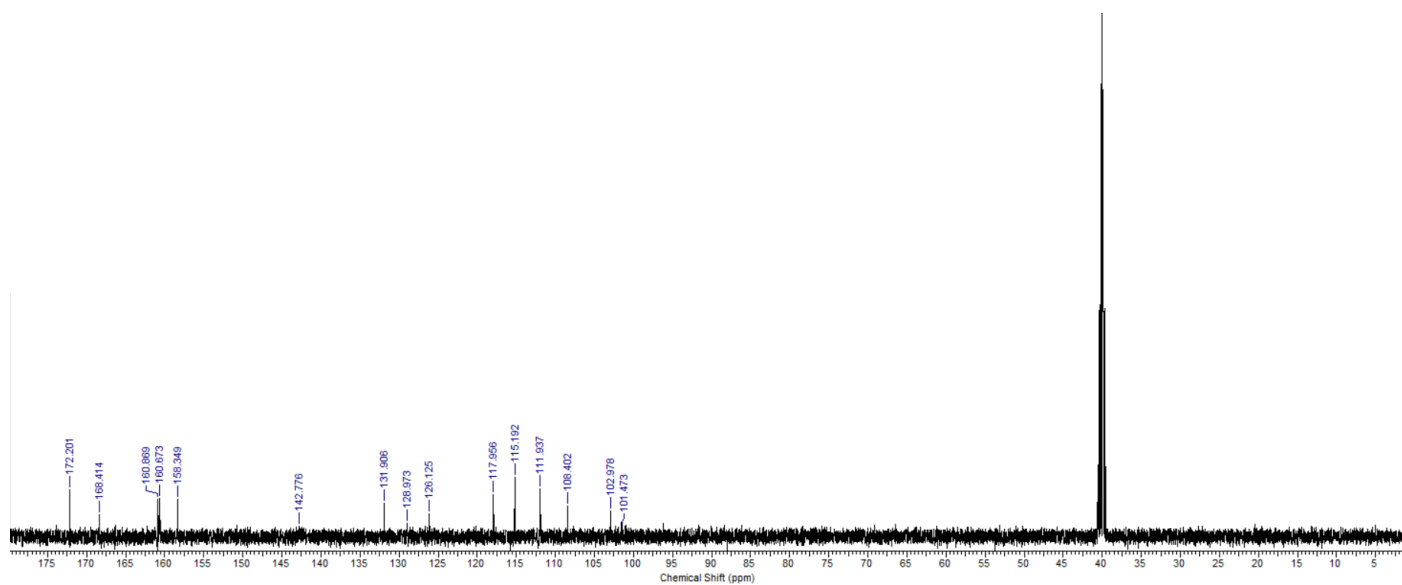


Figure S20. ¹³C-NMR spectrum of compound **7b**.

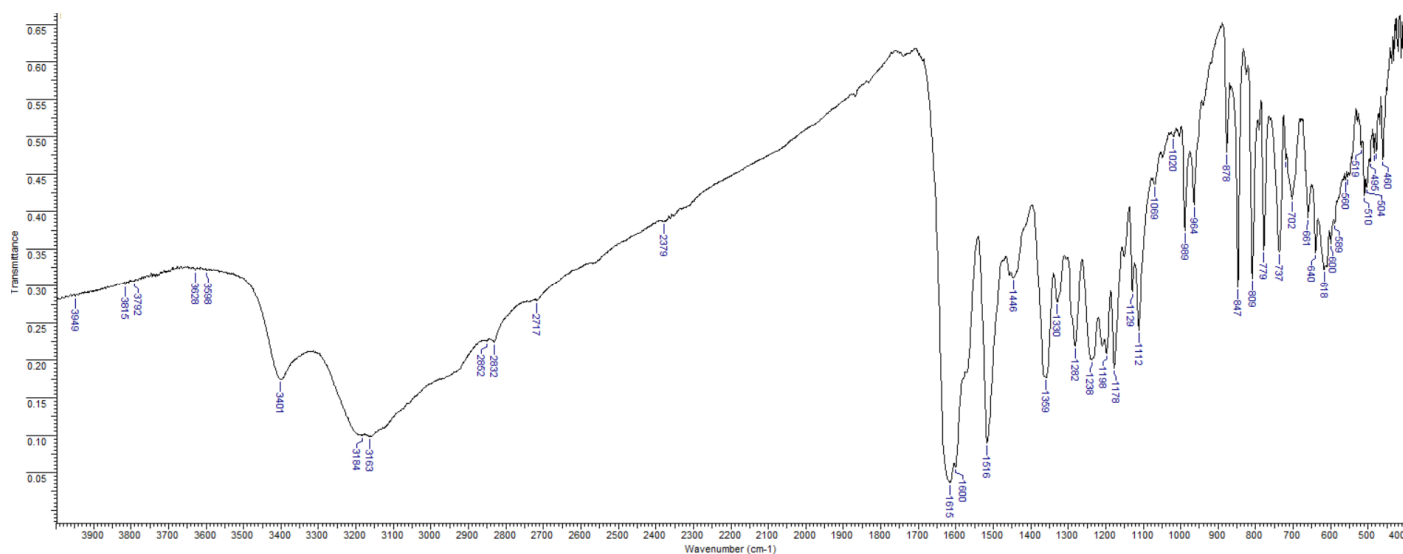


Figure S21. FTIR spectrum of compound 8a.

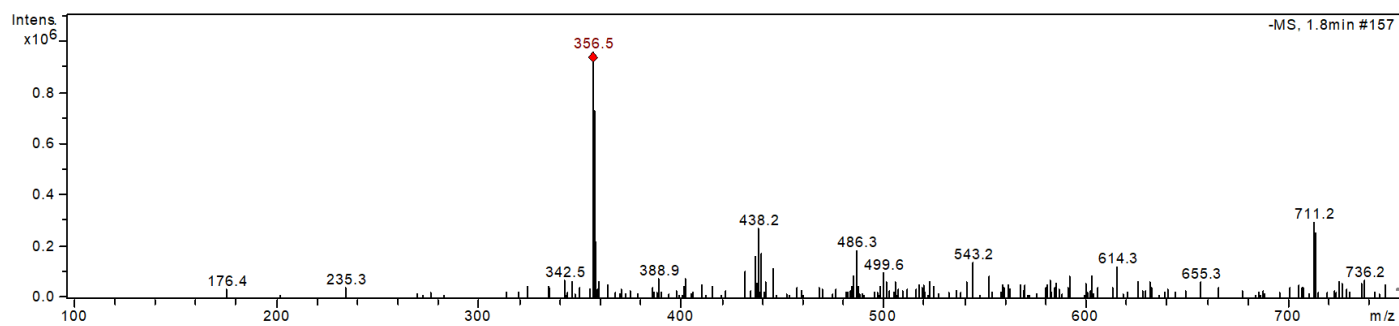


Figure S22. MS spectrum of compound 8a.

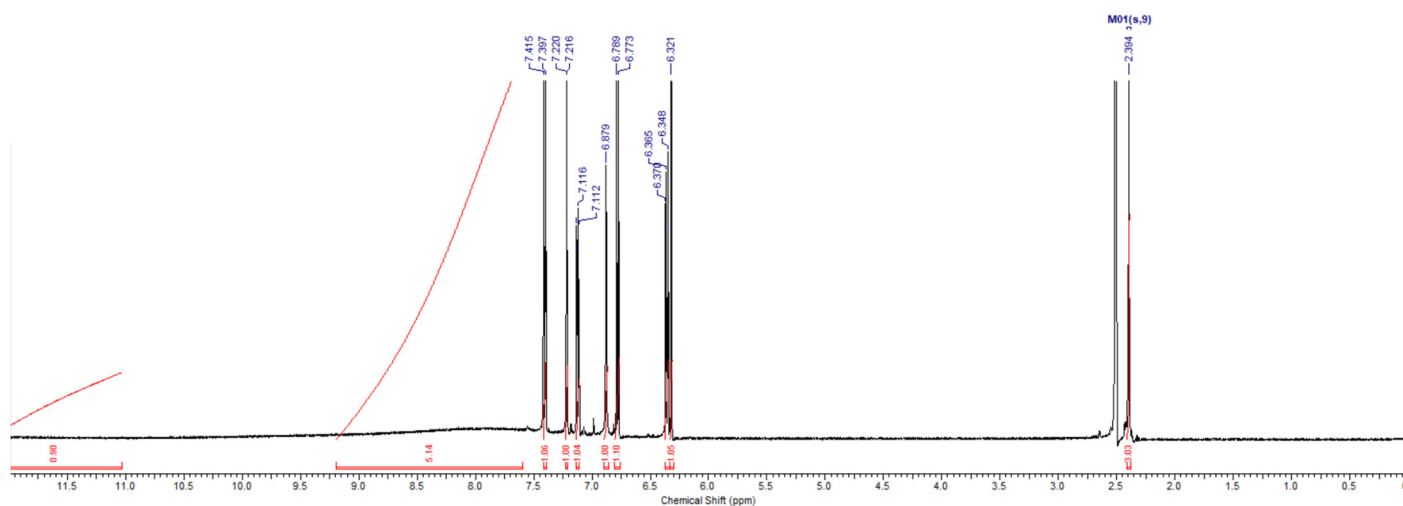


Figure S23. ¹H-NMR spectrum of compound 8a.

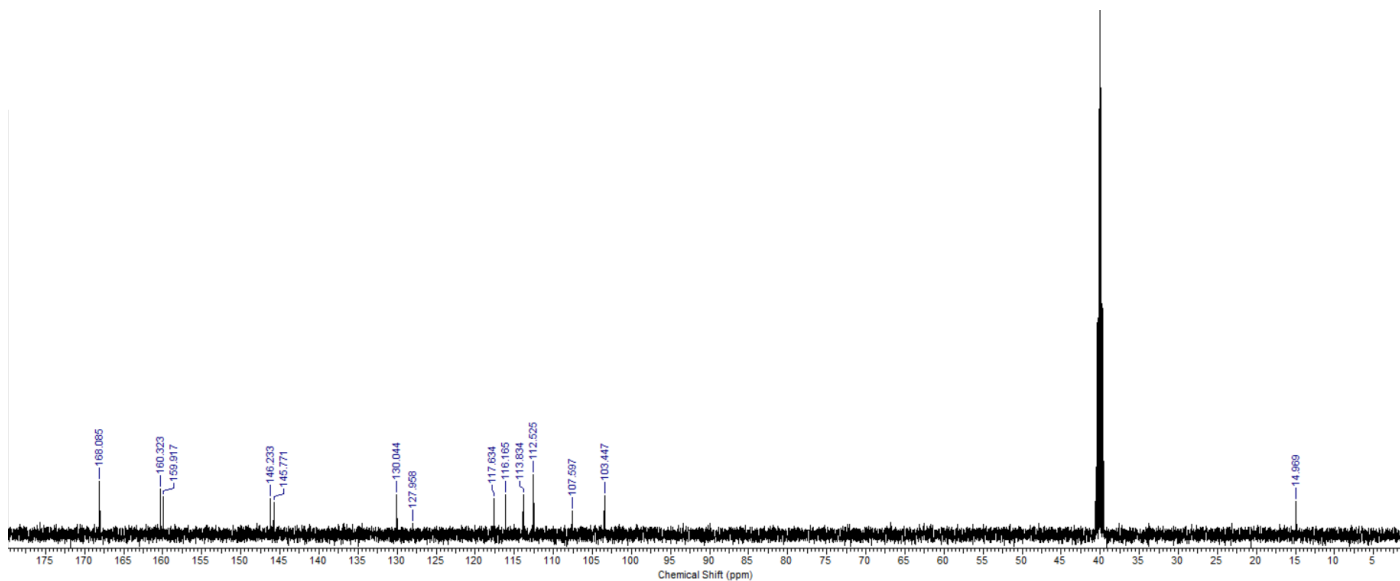


Figure S24. ¹³C-NMR spectrum of compound 8a.

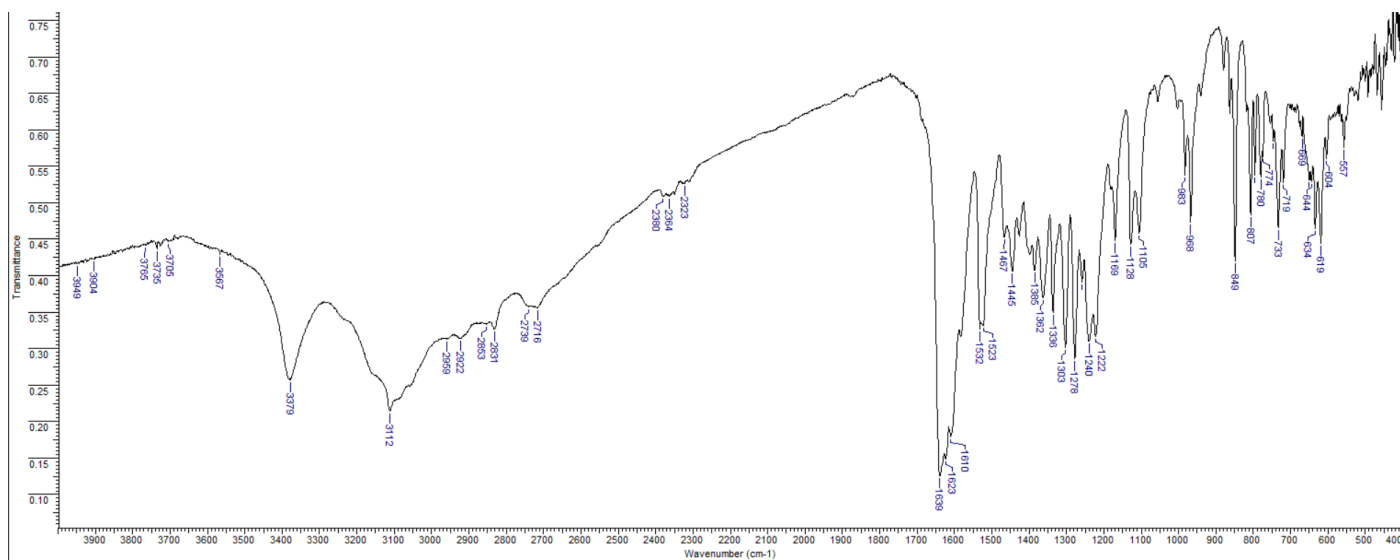


Figure S25. FTIR spectrum of compound 8b.

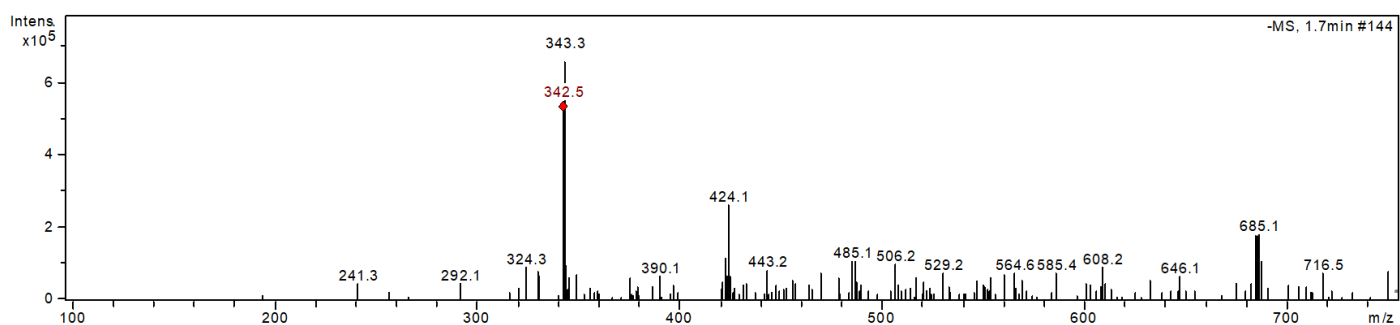


Figure S26. MS spectrum of compound 8b.

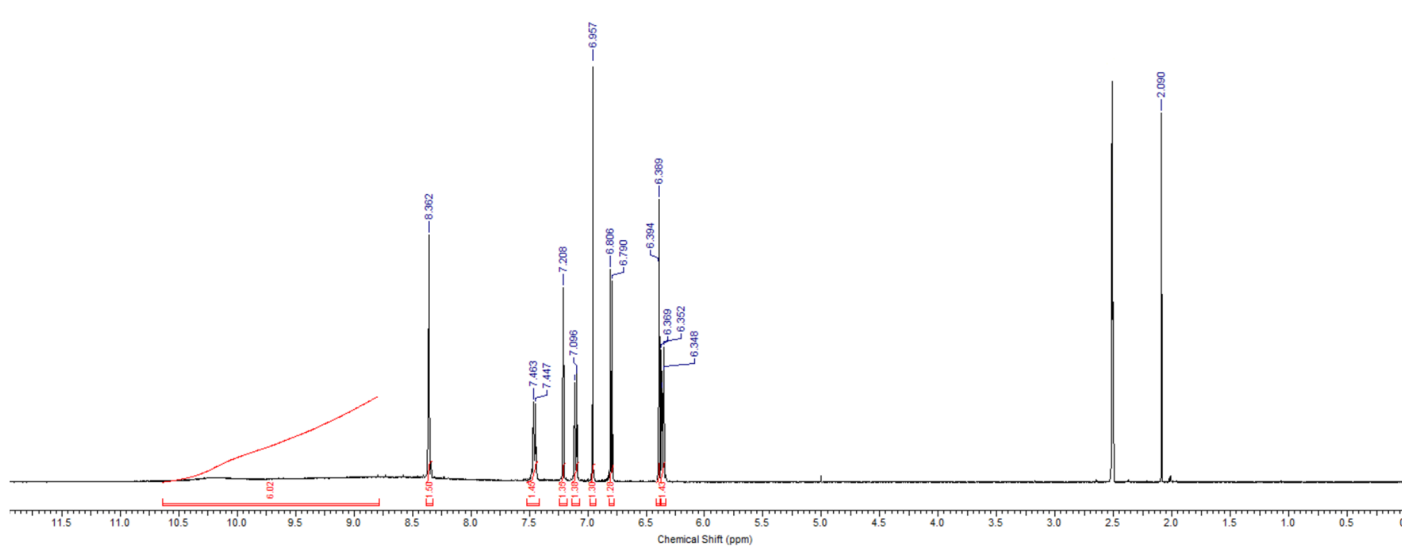


Figure S27. ¹H-NMR spectrum of compound **8b**.

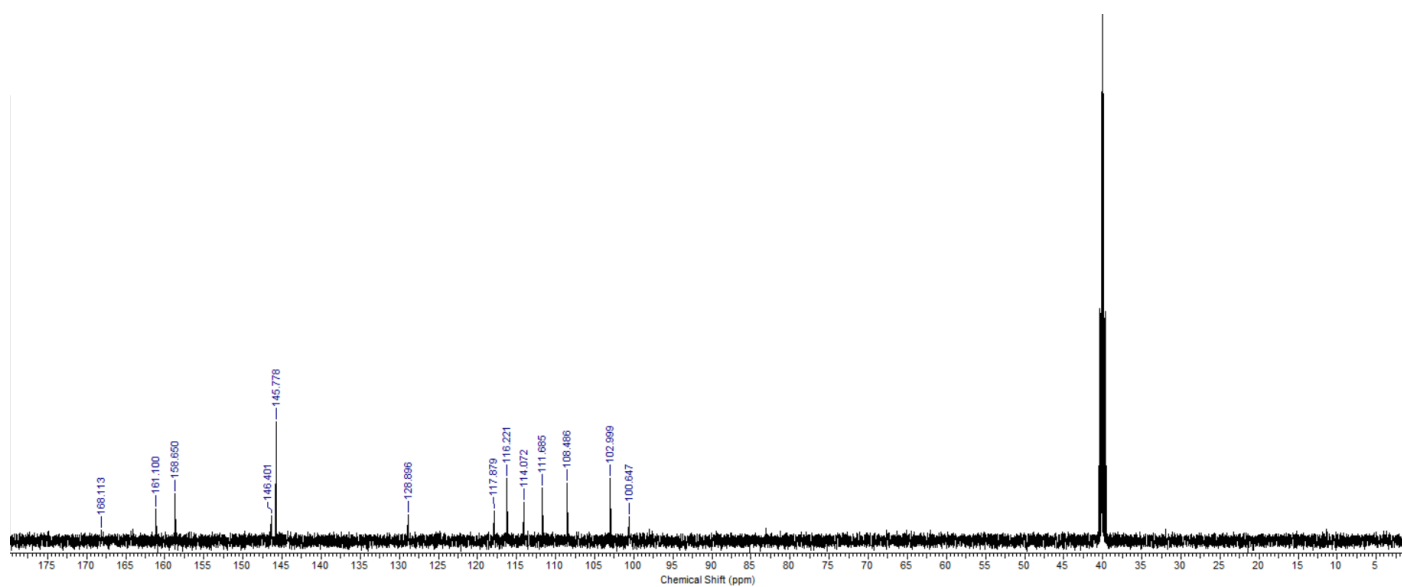


Figure S28. ¹³C-NMR spectrum of compound **8b**.