

Supporting Information

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Lanthanum (iii) nitrate hexahydrate catalyzed one-pot synthesis of 2-arylbzothiazole under mild reaction conditions

Kabeer A. Shaikh^{1*} and Uddhav N. Chaudhar²

¹*P. G. Department of Chemistry, Sir Sayyed College of Art's, Commerce & Science, Aurangabad-431 001 [M.S.]-India*

²*Department of Chemistry, Kalikadevi Art's, Science & Commerce College, Shirur (Ka.) Dist. Beed-413 249 [M.S.]-India*

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*Corresponding author: E-mail: shaikh_kabeerahmed@rediffmail.com Tel: + (91)-240-2311285, Fax:+(91)-240-2313876

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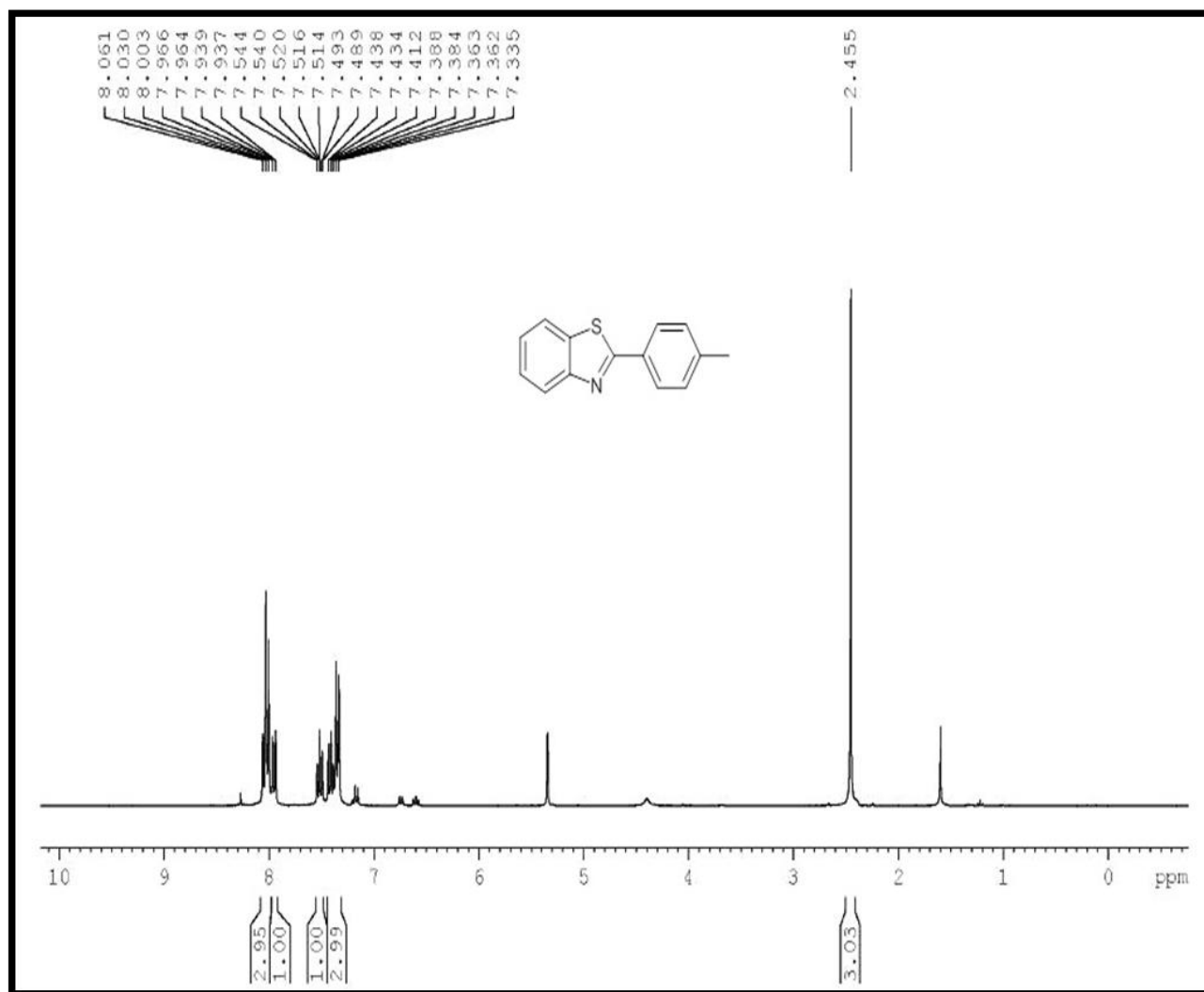


Figure S1. The ^1H NMR spectrum of compound **3b**

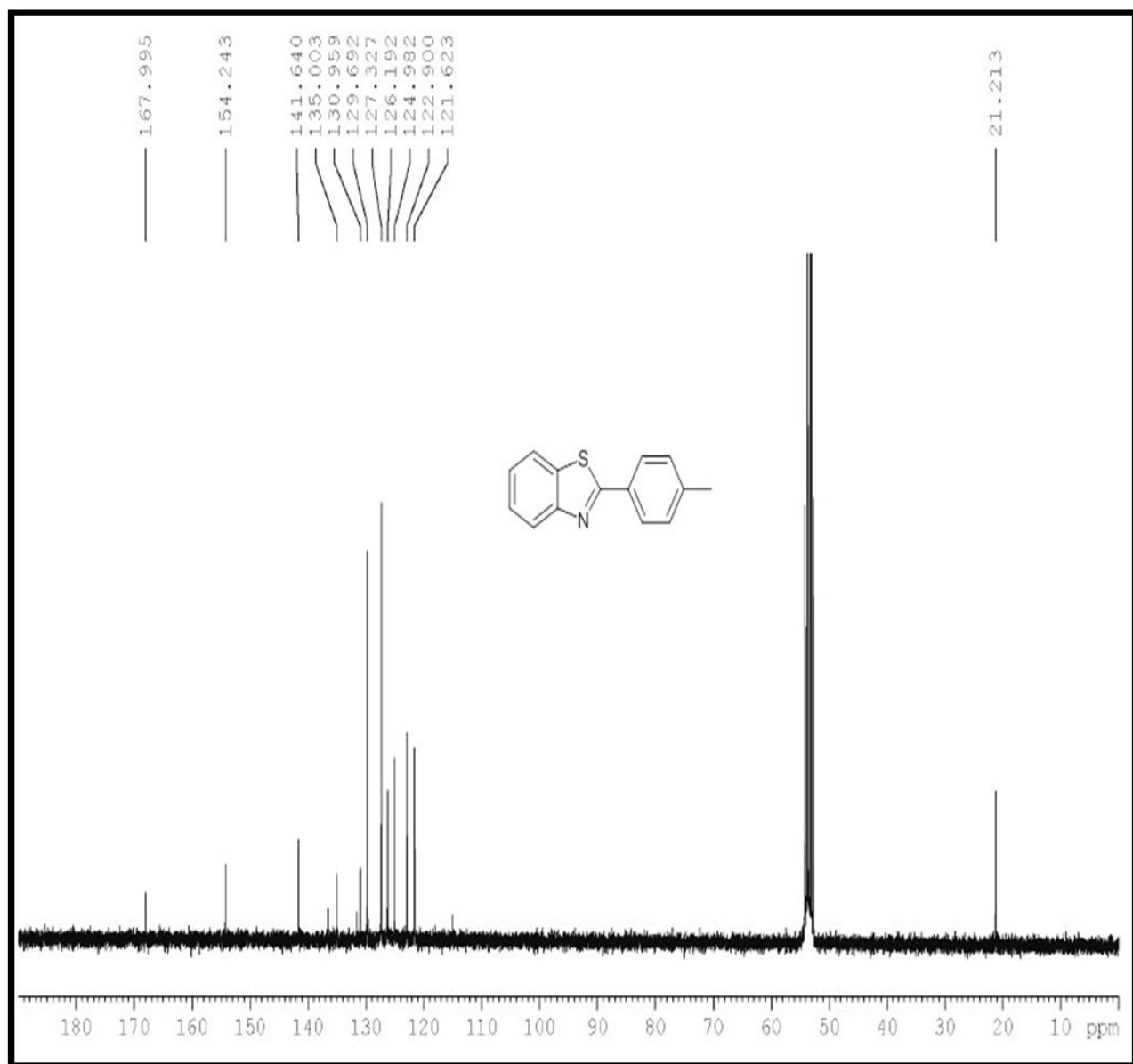


Figure S2. The ^{13}C NMR spectrum of compound **3b**

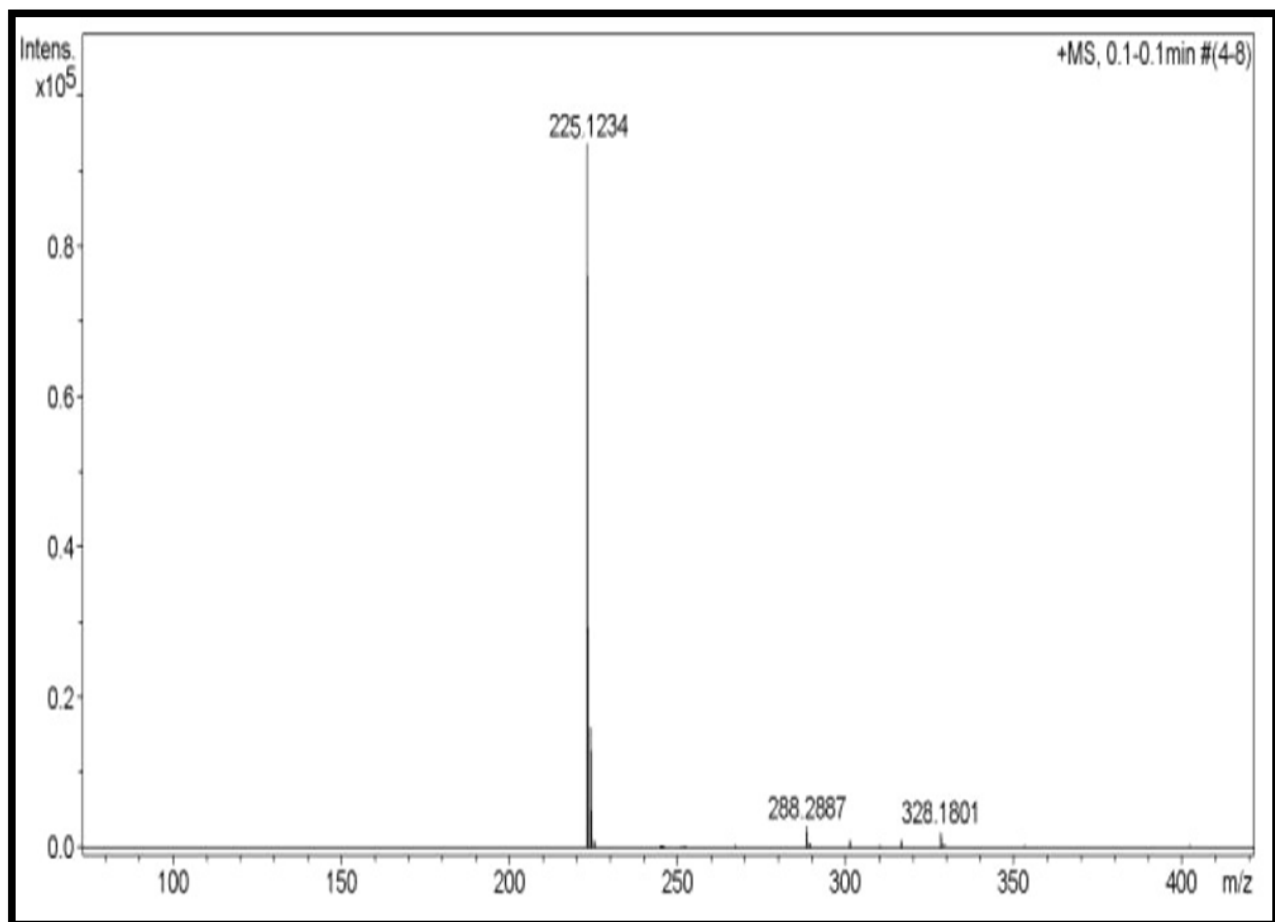


Figure S3.The HRMS spectrum of compound **3b**

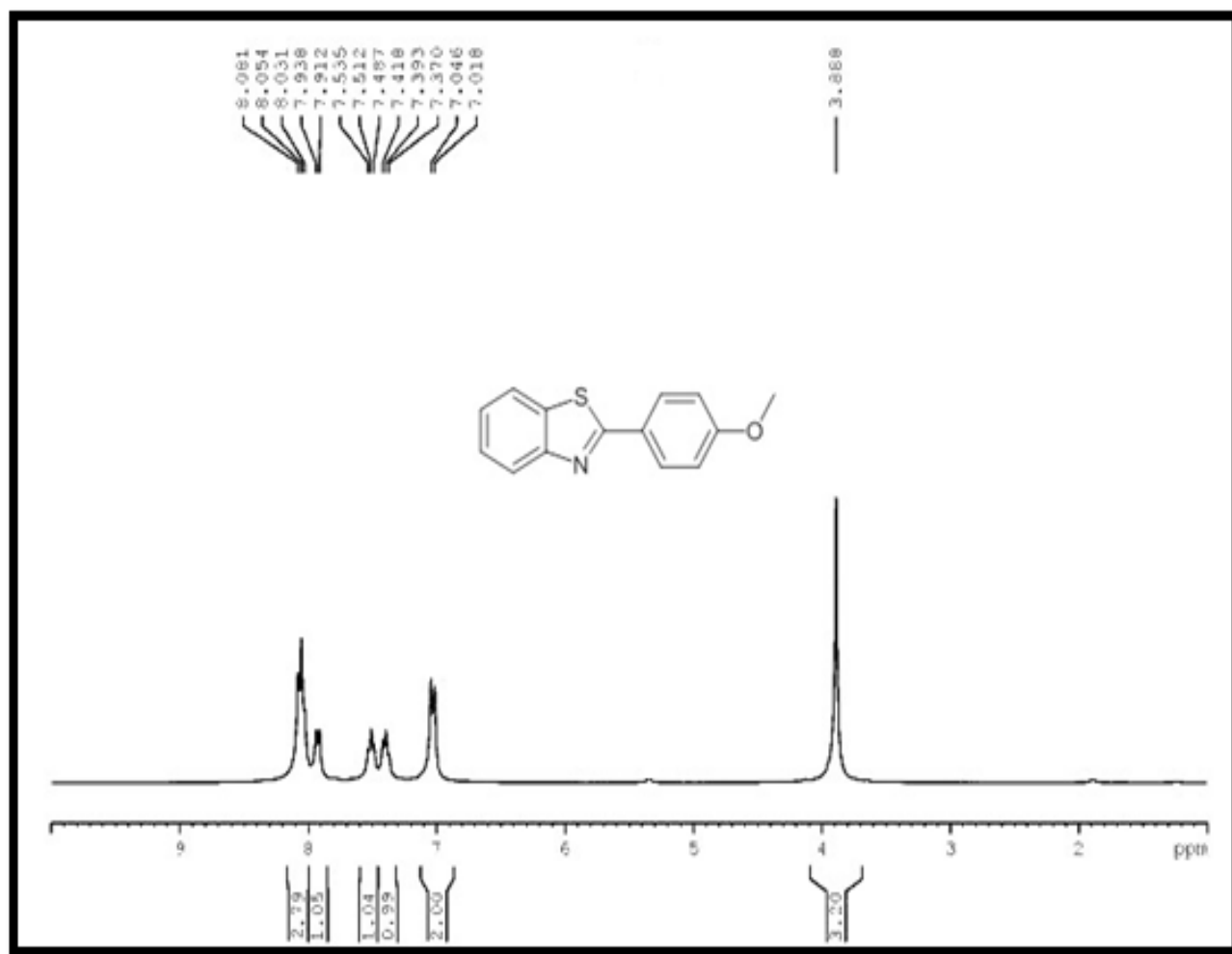


Figure S4. The ¹H NMR spectrum of compound **3c**

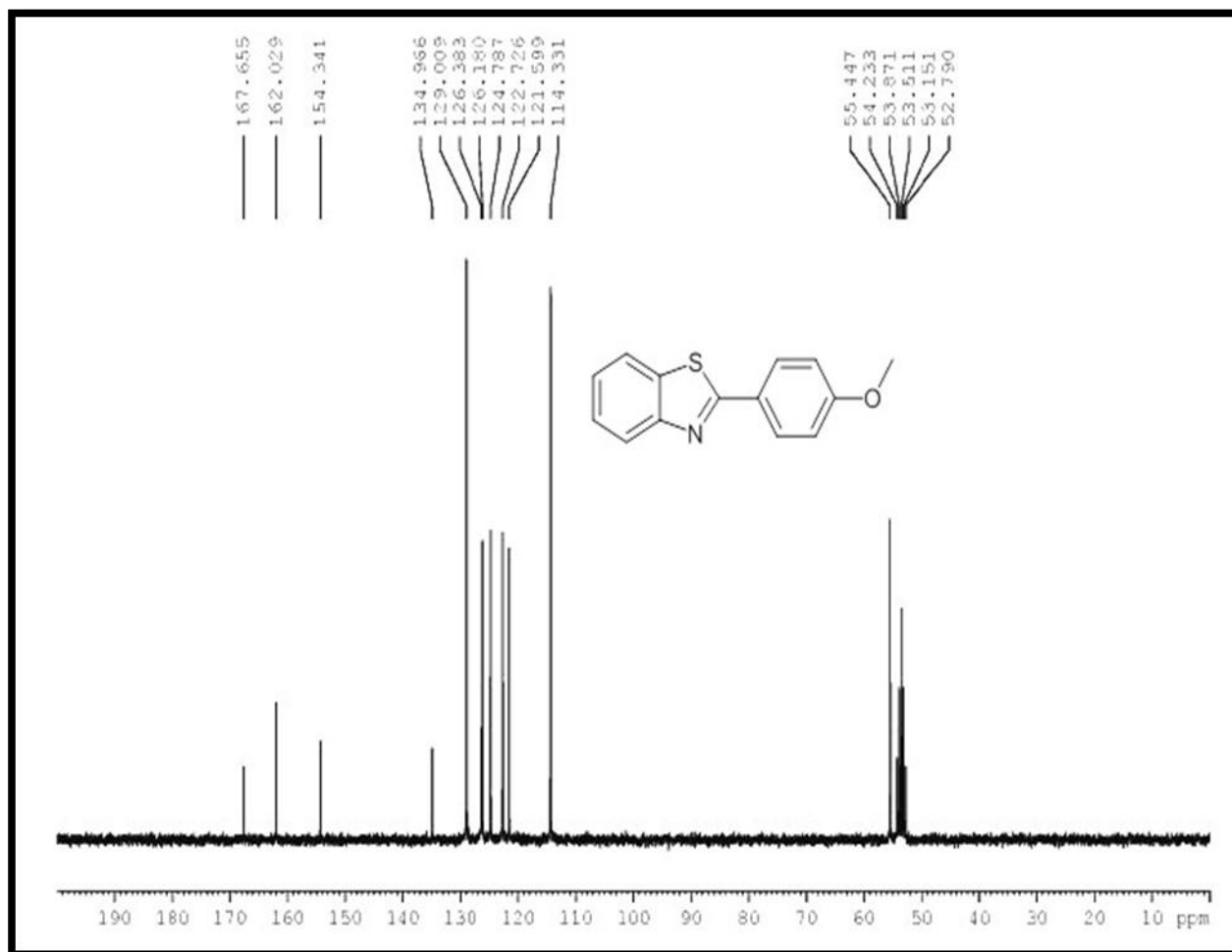


Figure S5. The ^{13}C NMR spectrum of compound **3c**

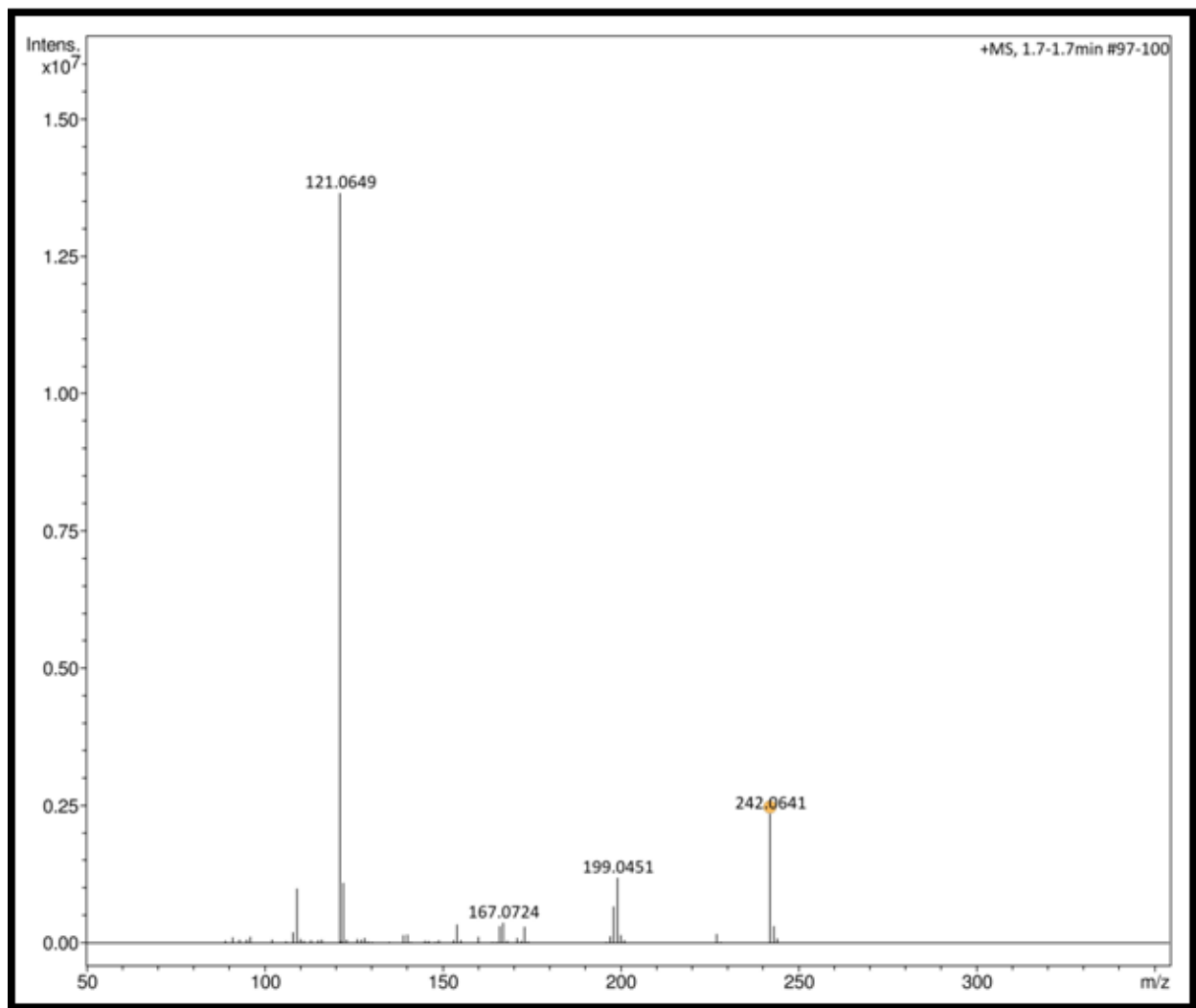


Figure S6. The HRMS spectrum of compound **3c**

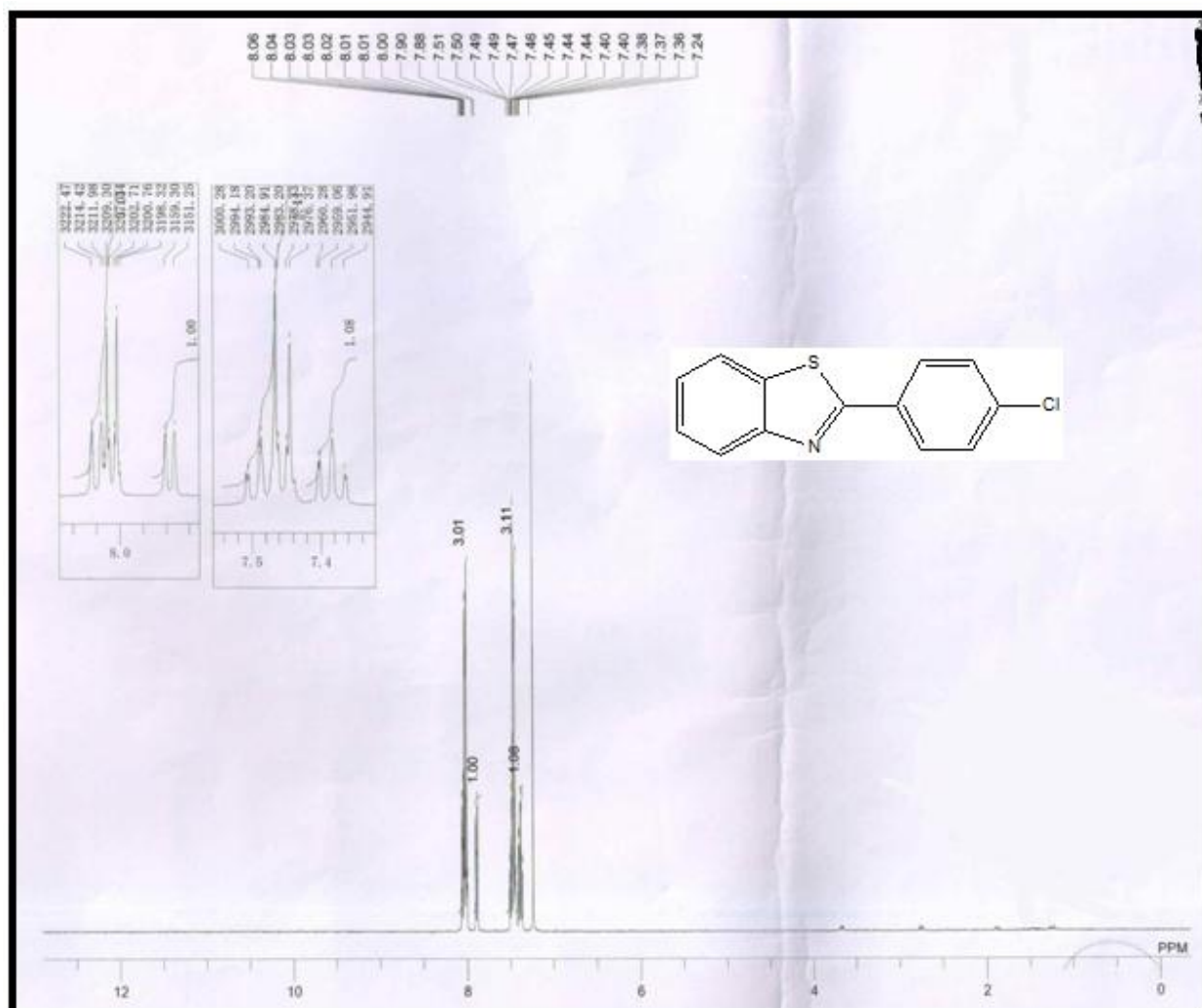


Figure S7. The ¹H NMR spectrum of compound 3d

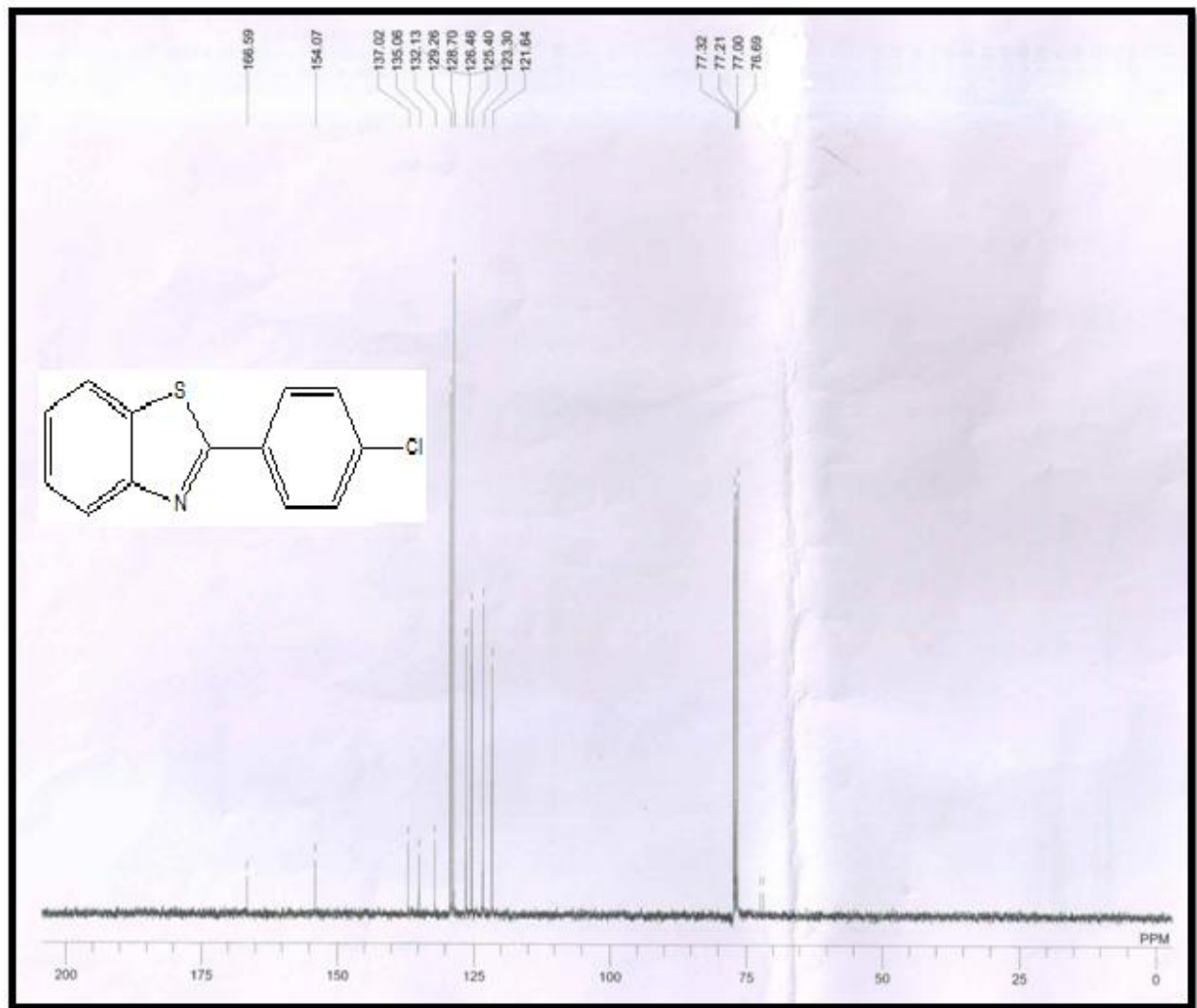


Figure S8. The ^{13}C NMR spectrum of compound **3d**

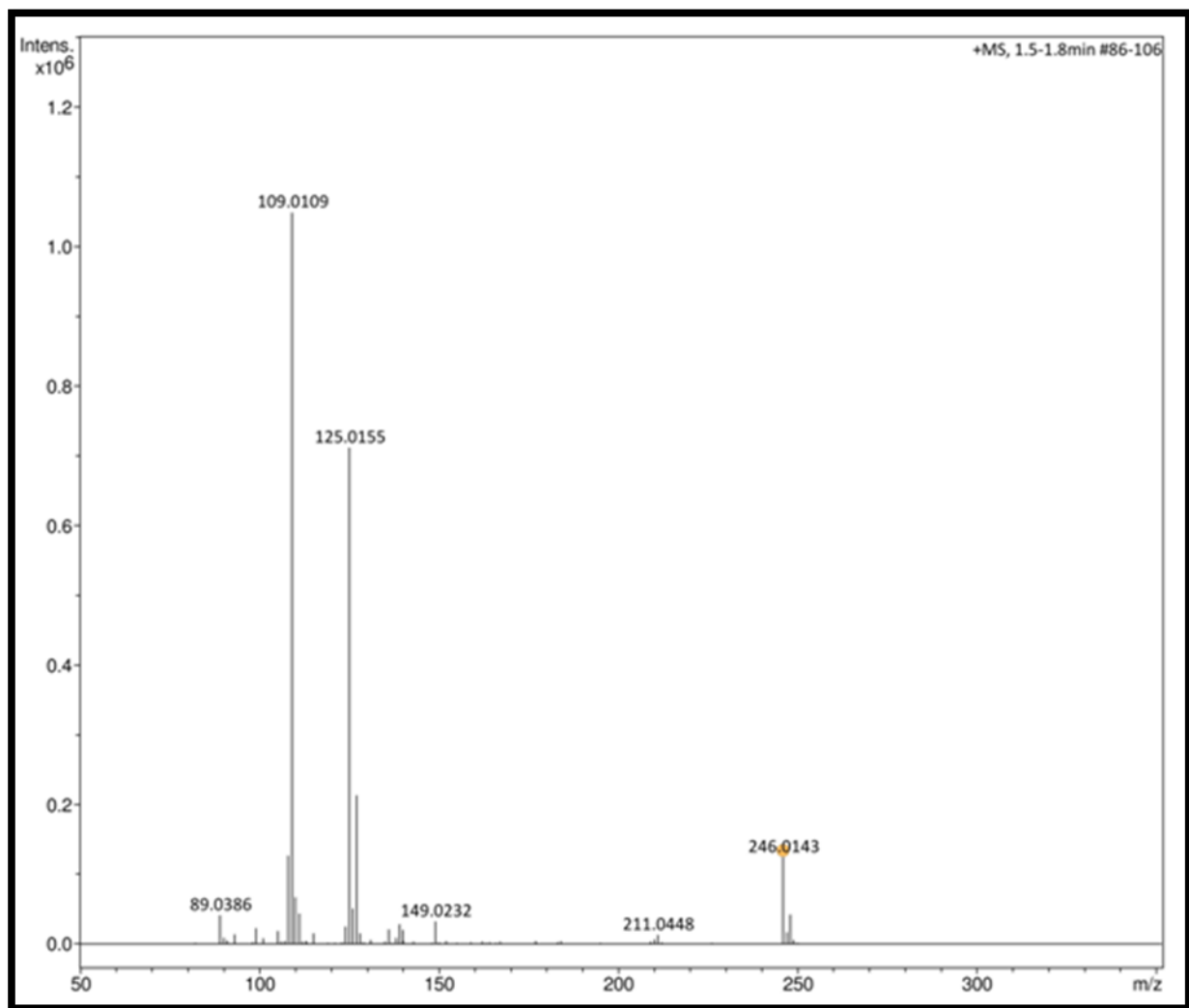


Figure S9. The HRMS spectrum of compound **3d**

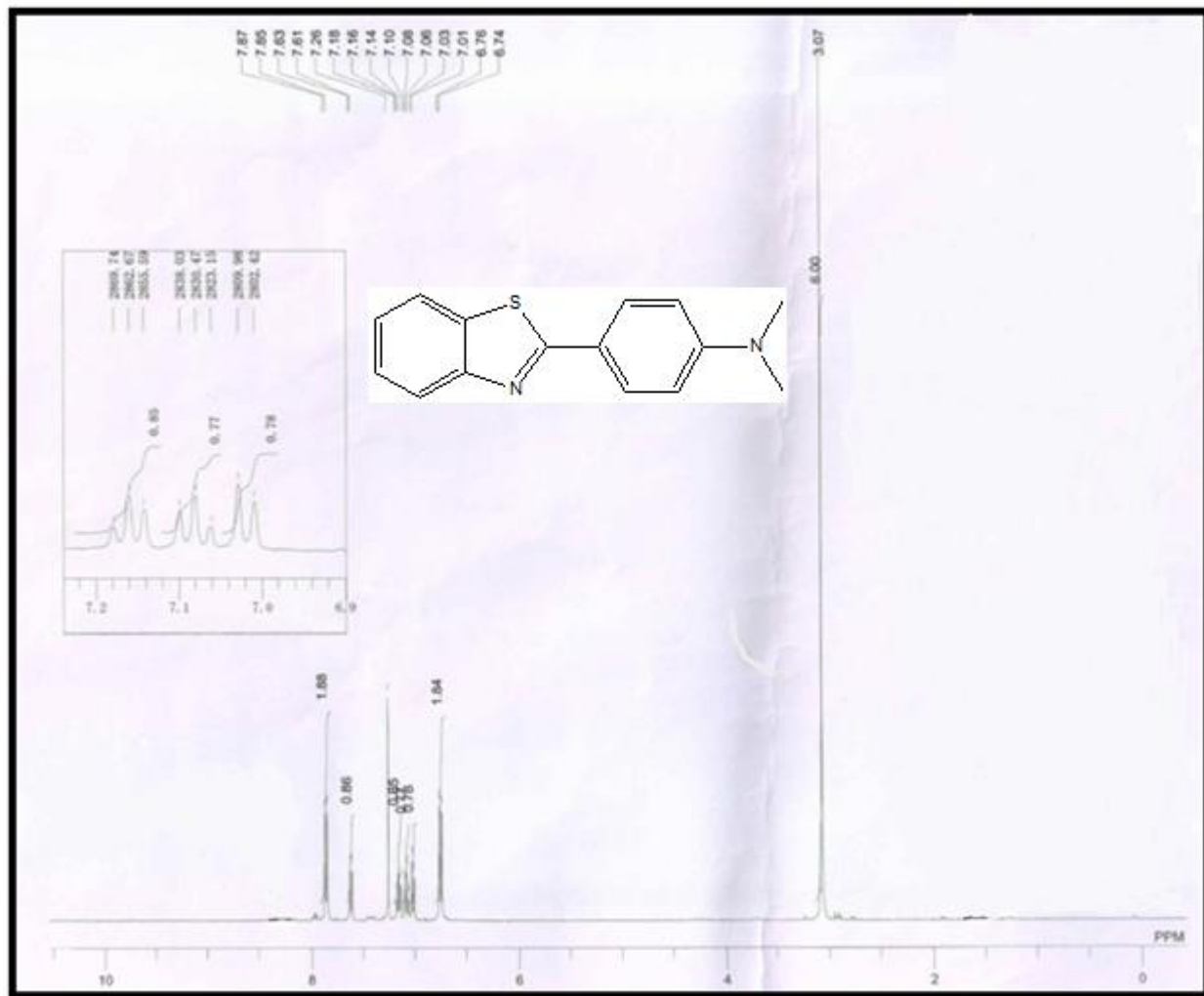


Figure S10. The ¹H NMR spectrum of compound **3g**

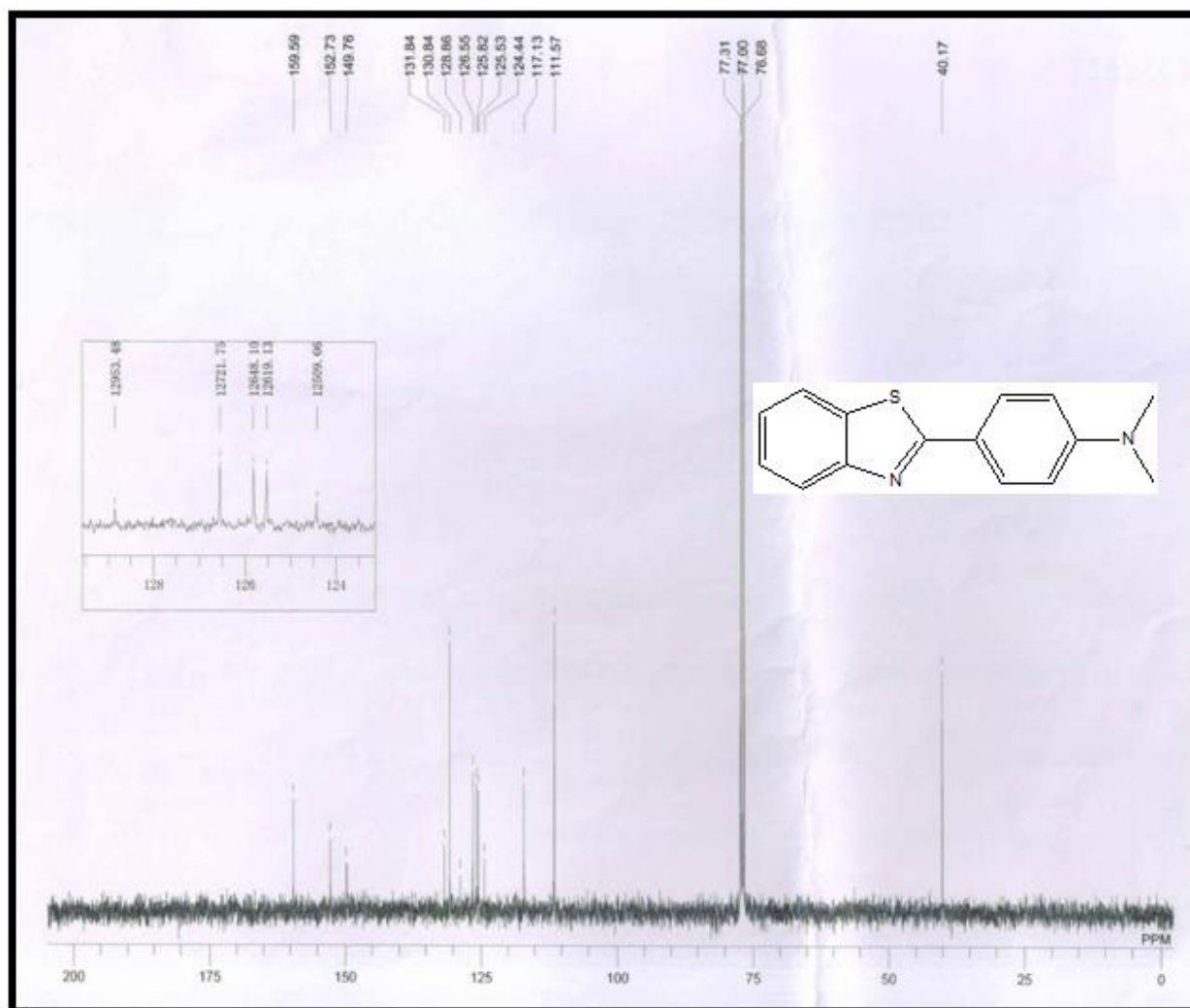


Figure S11. The ^{13}C NMR spectrum of compound **3g**

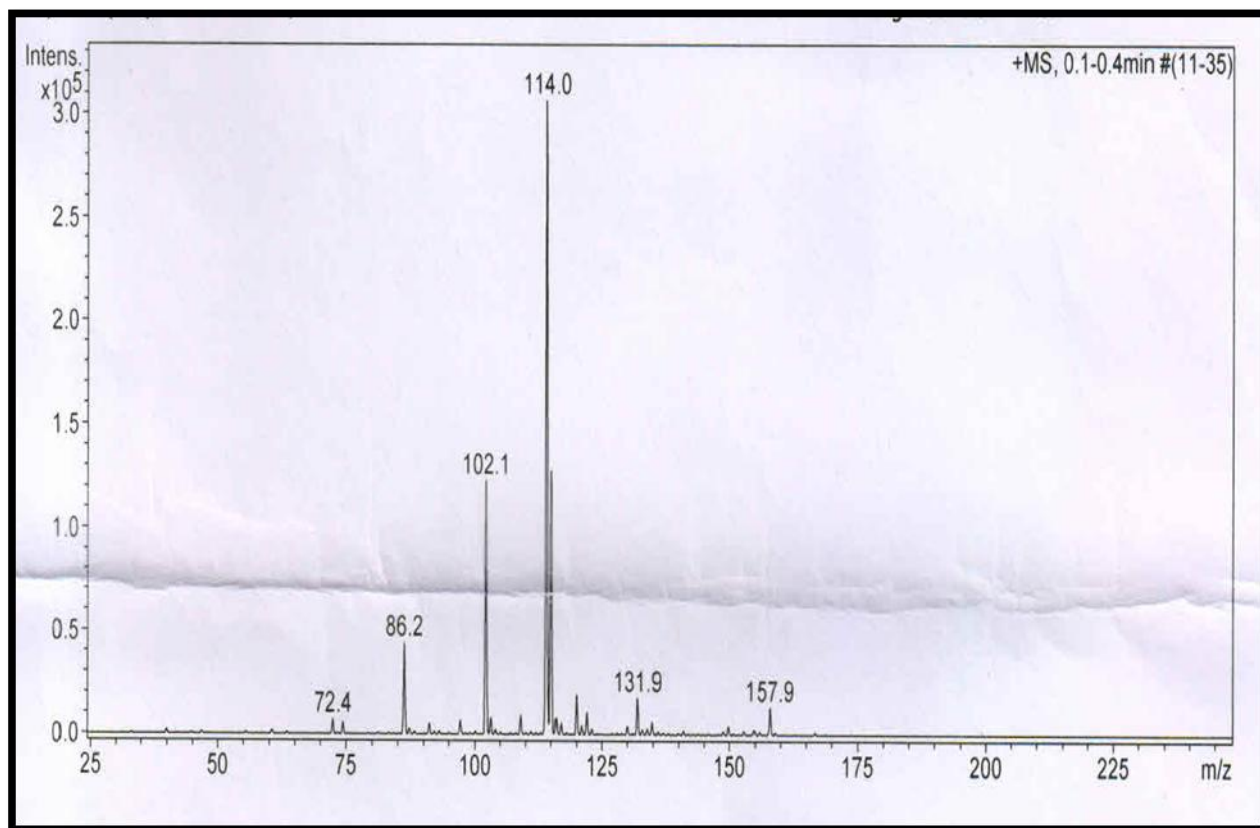


Figure S12. The HRMS spectrum of compound **3g**

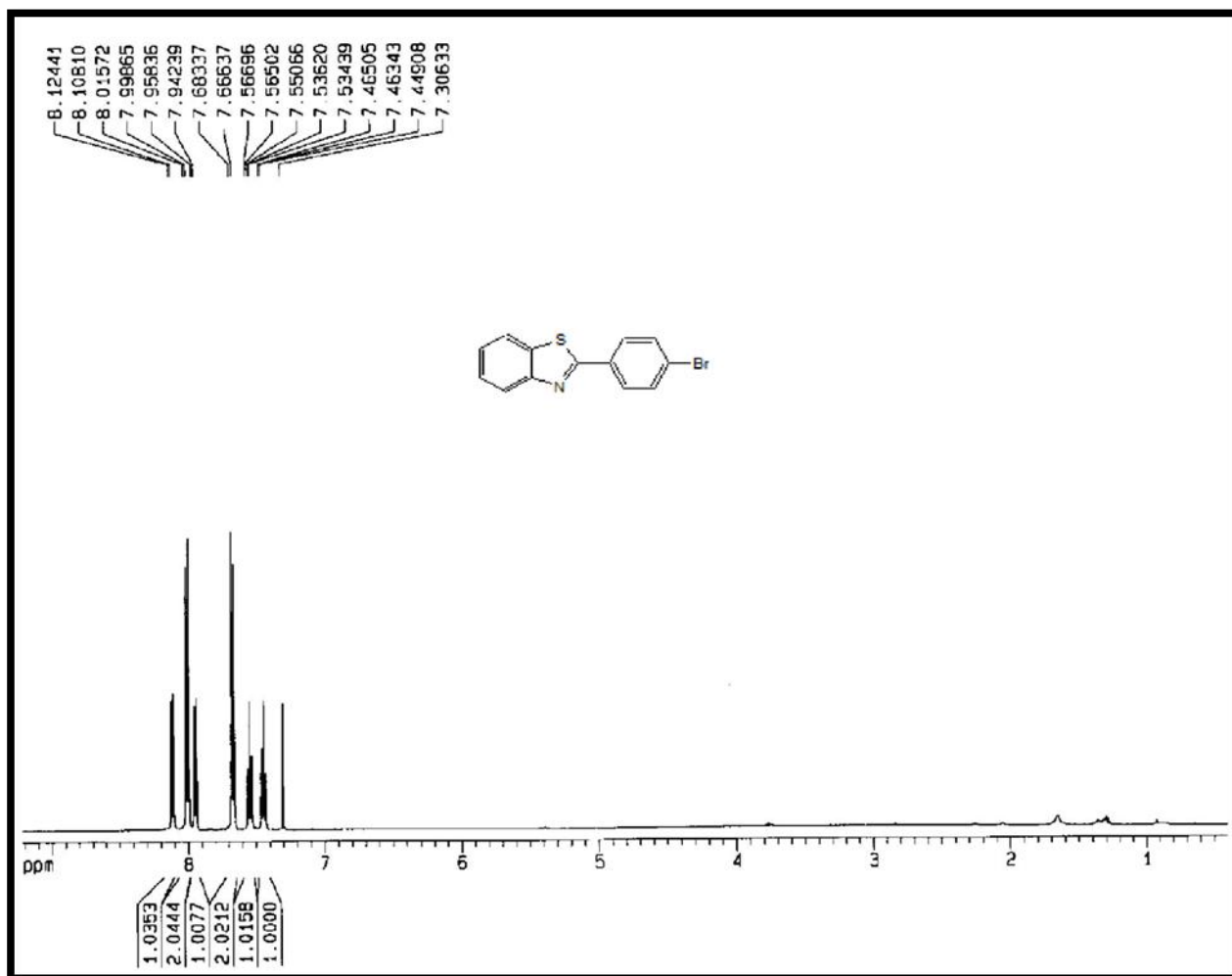


Figure S13. The ¹H NMR spectrum of compound **3k**

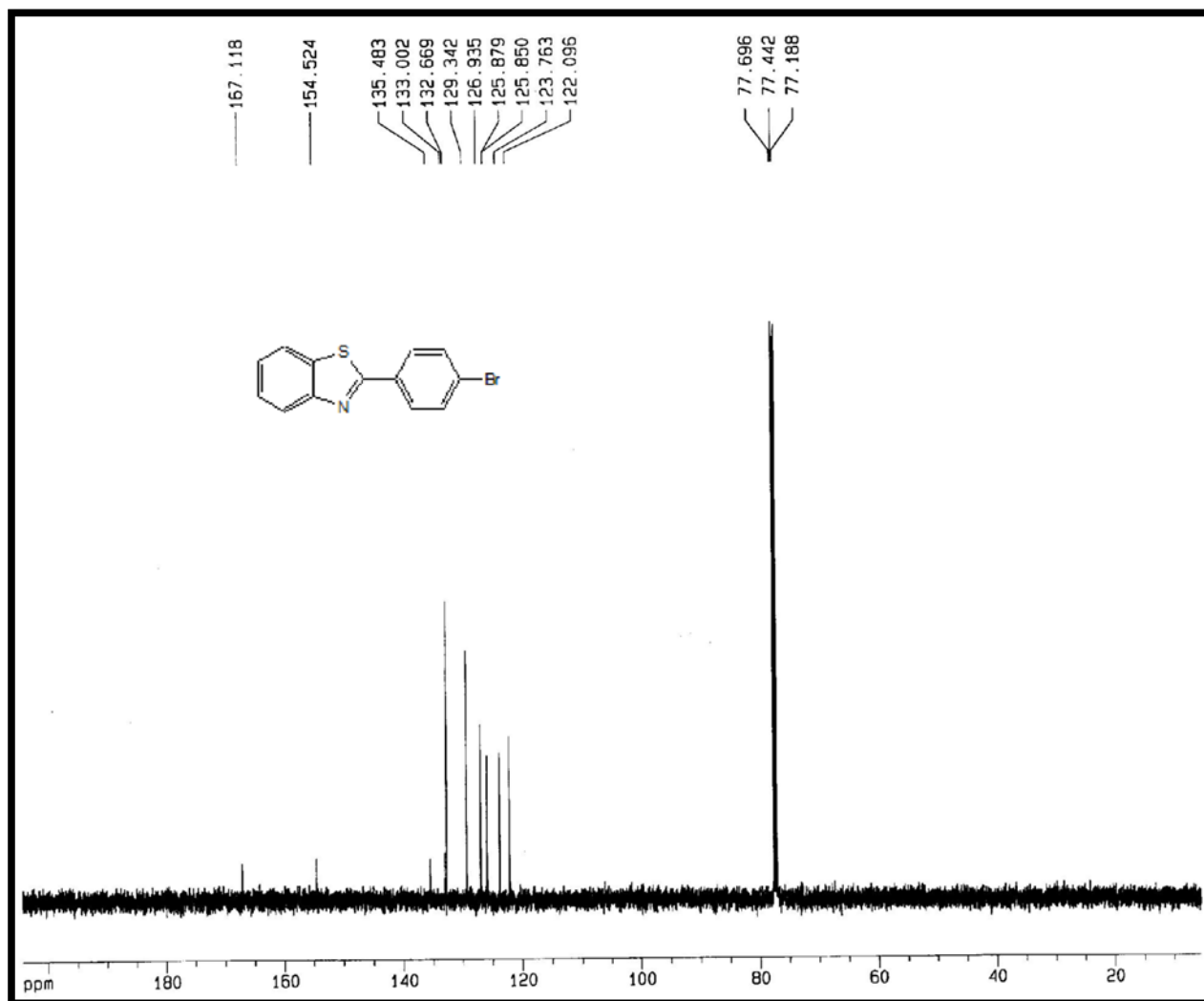


Figure S14. The ^{13}C NMR spectrum of compound **3k**

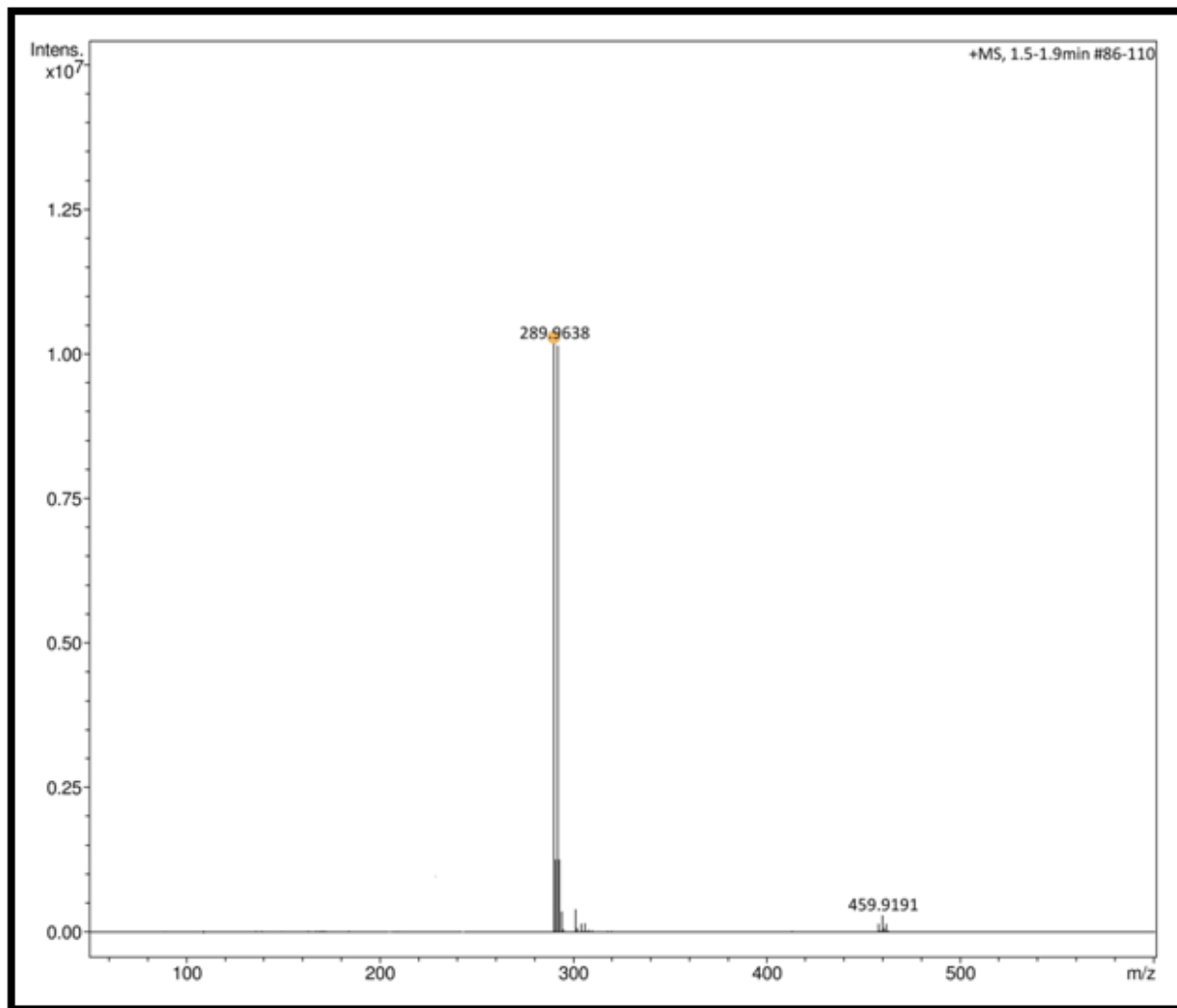


Figure S15. The HRMS spectrum of compound **3k**

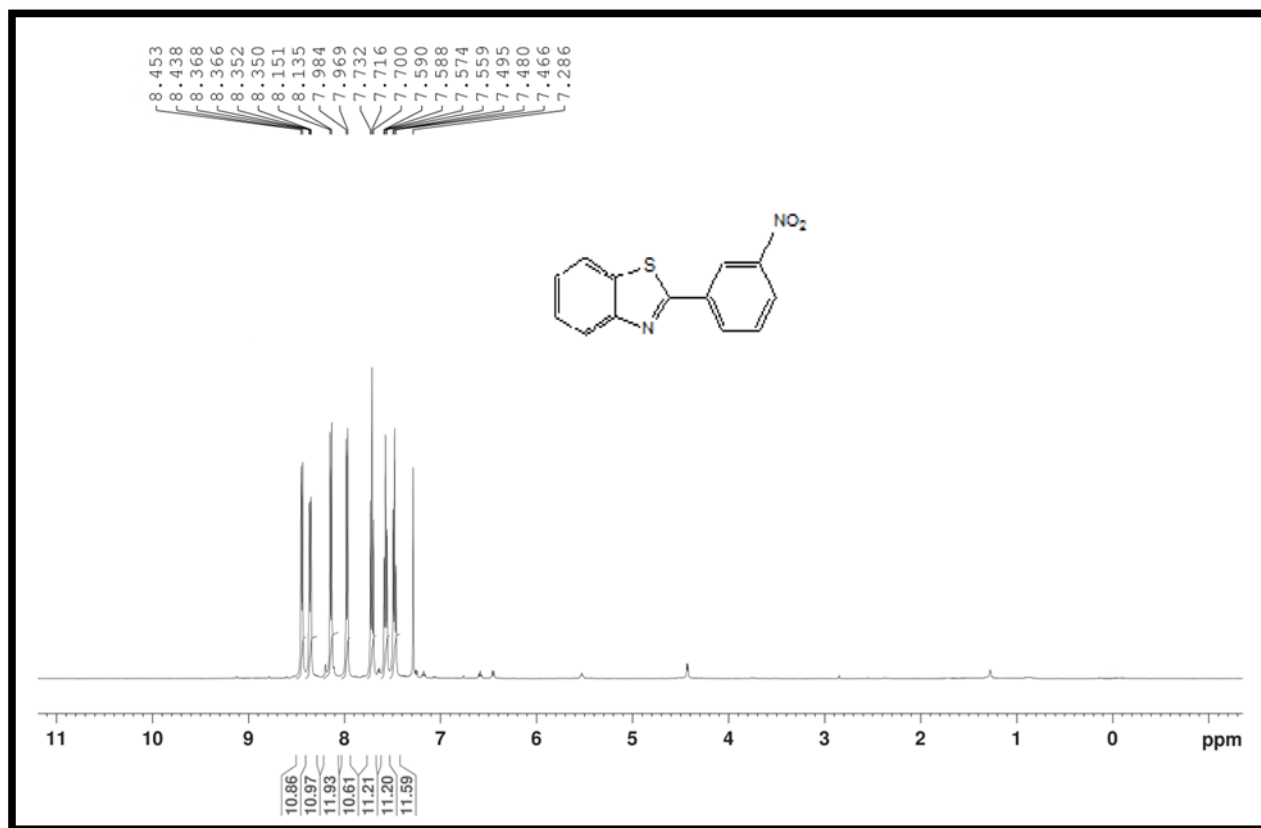


Figure S16. The ^1H NMR spectrum of compound **3m**

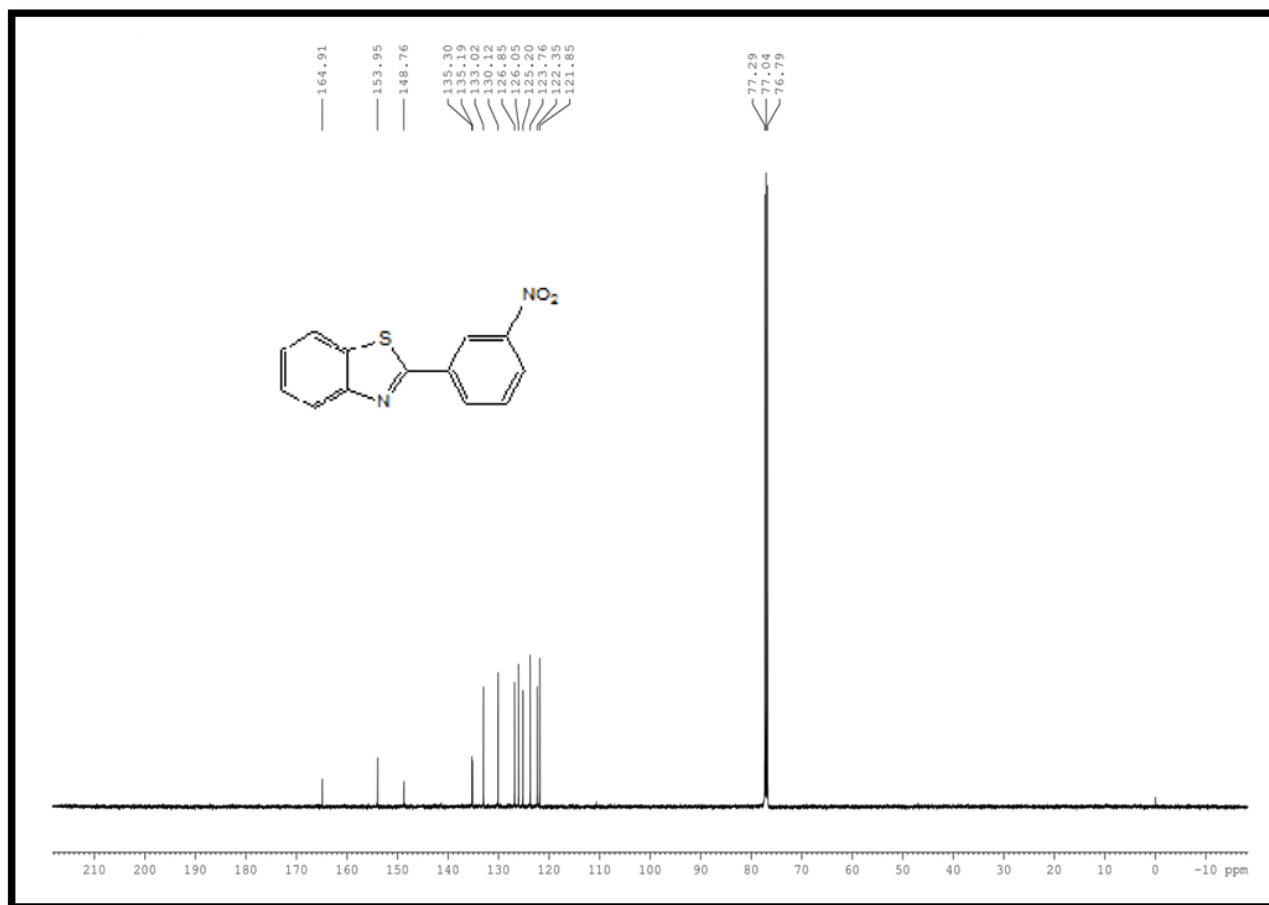


Figure S17. The ^{13}C NMR spectrum of compound **3m**

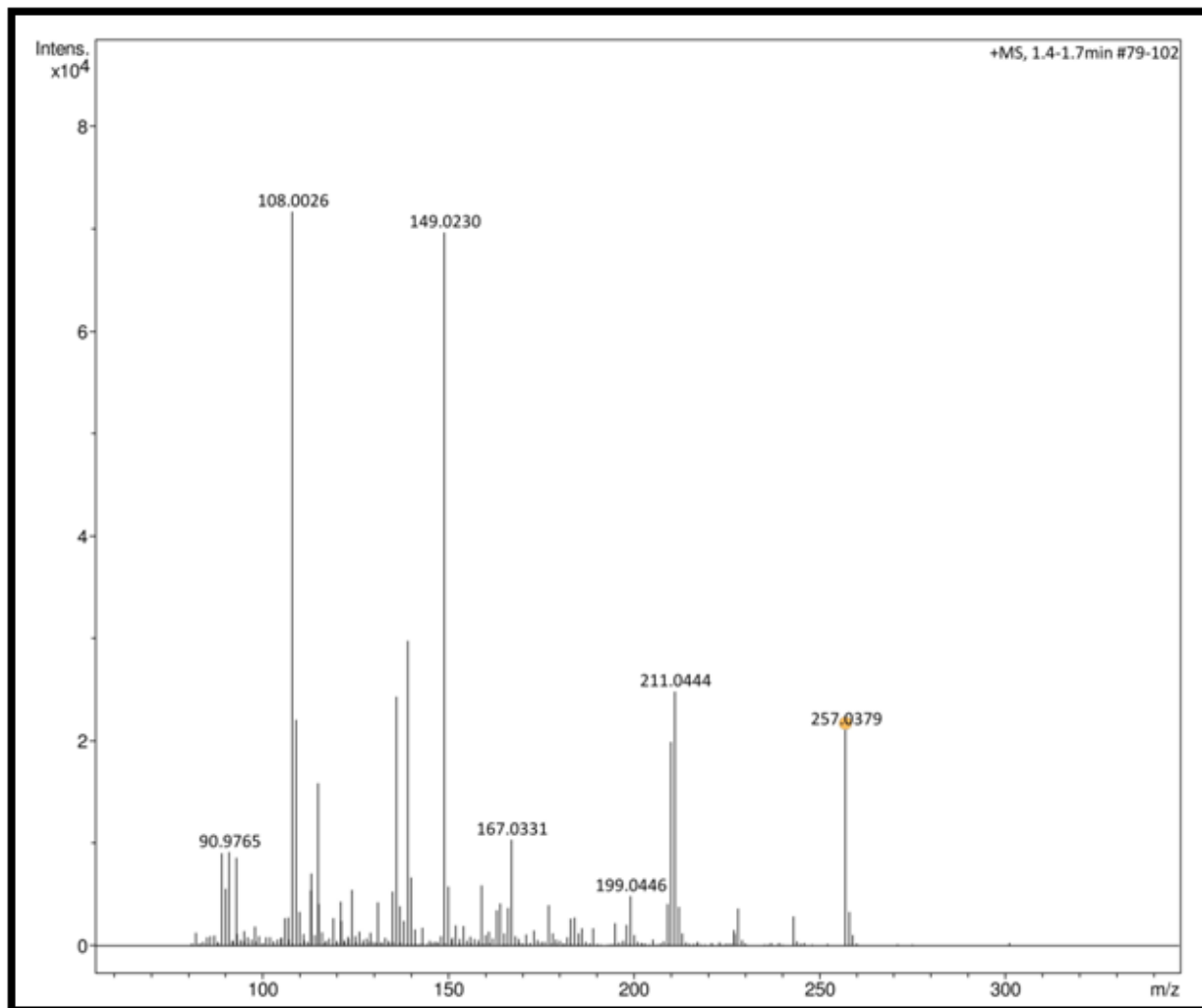


Figure S18. The HRMS spectrum of compound **3m**