

Design, Synthesis and Biological Evaluation of 2-Mercaptobenzoxazole Derivatives as Potential Multi-kinase Inhibitors

Mohammed M. Alanazi^{1*}, Saleh Aldawas¹, Nawaf A. Alsaif¹

¹ Department of Pharmaceutical Chemistry, College of Pharmacy, King Saud University, Riyadh 11541, Saudi Arabia

* Correspondence: mmalanazi@ksu.edu

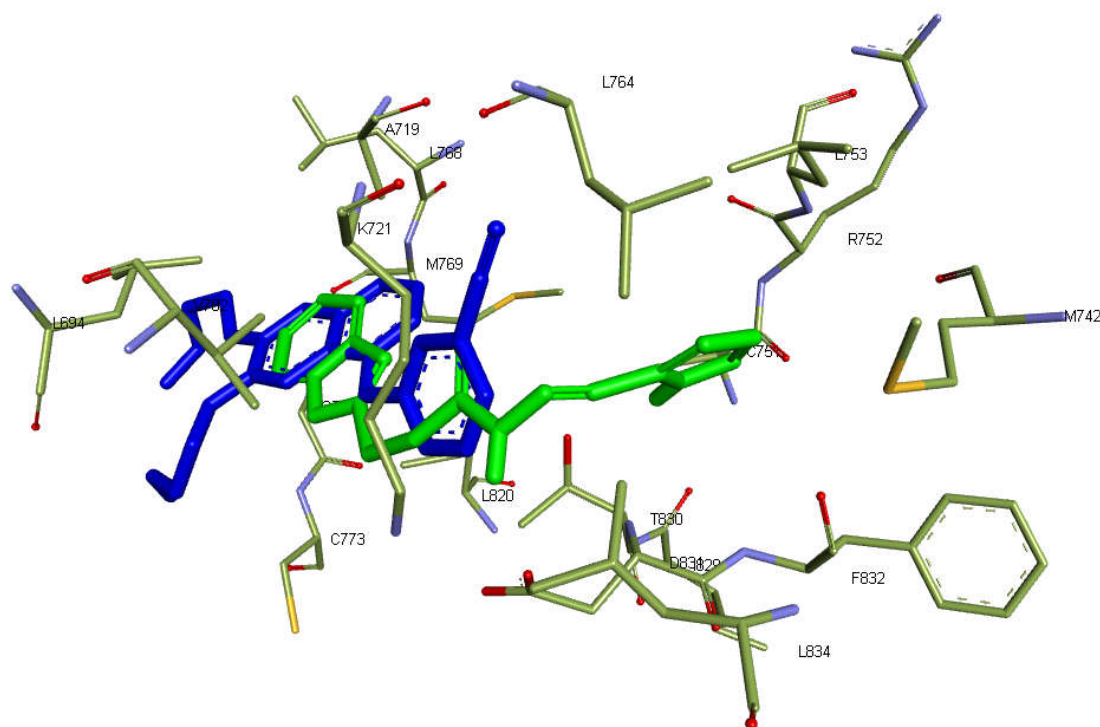


Figure S1: superimposition of erlotinib (blue) and compound 6b (green) in the active site EGFR.

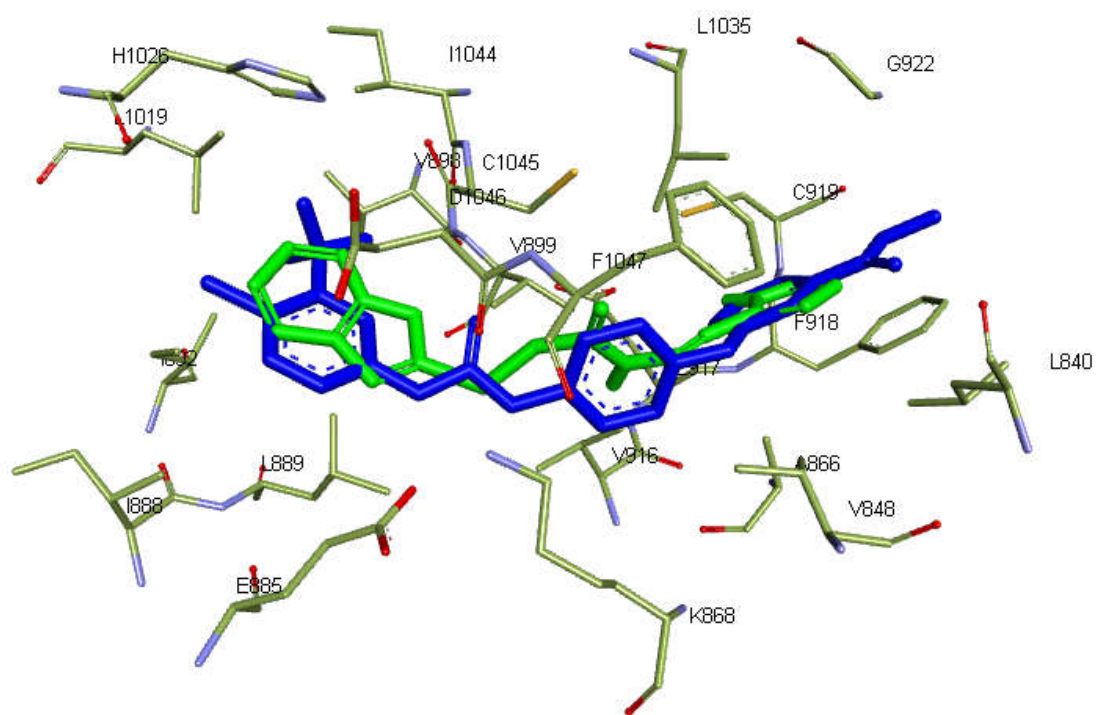


Figure S2: superimposition of sorafenib (blue) and compound 6b (green) in the active site VEGFR2.

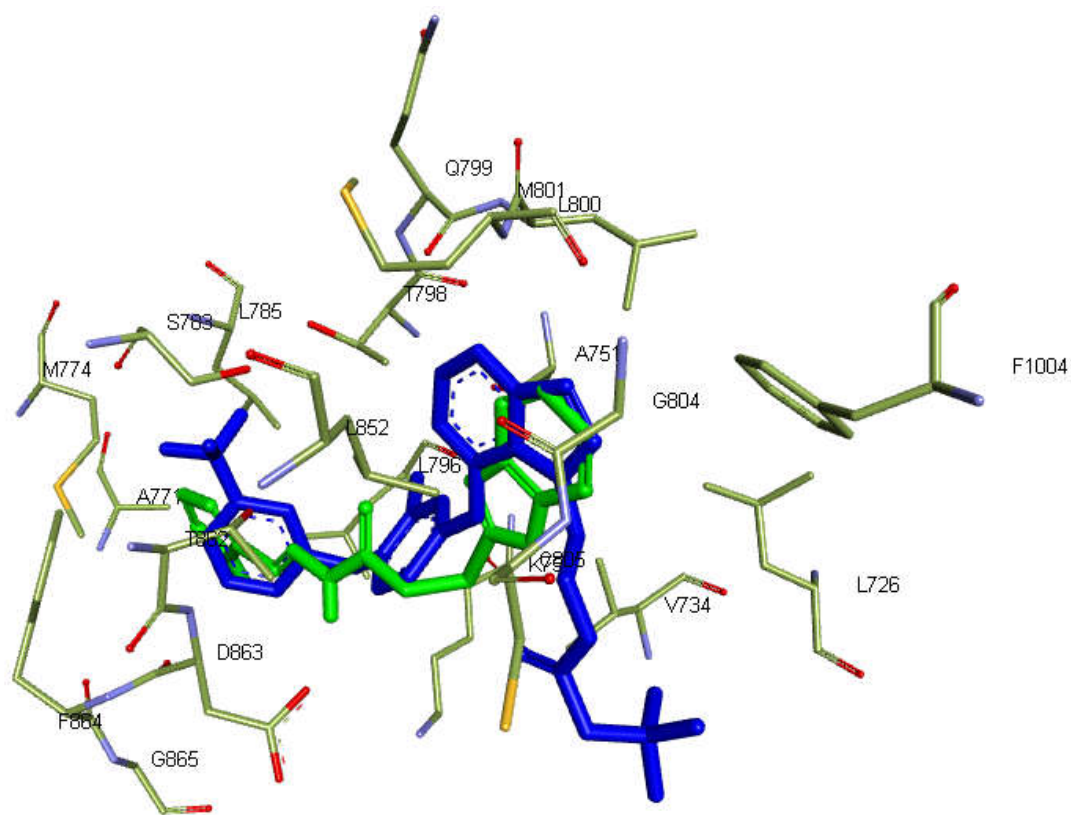


Figure S3: superimposition of lapatinib (blue) and compound 6b (green) in the active site HER2.

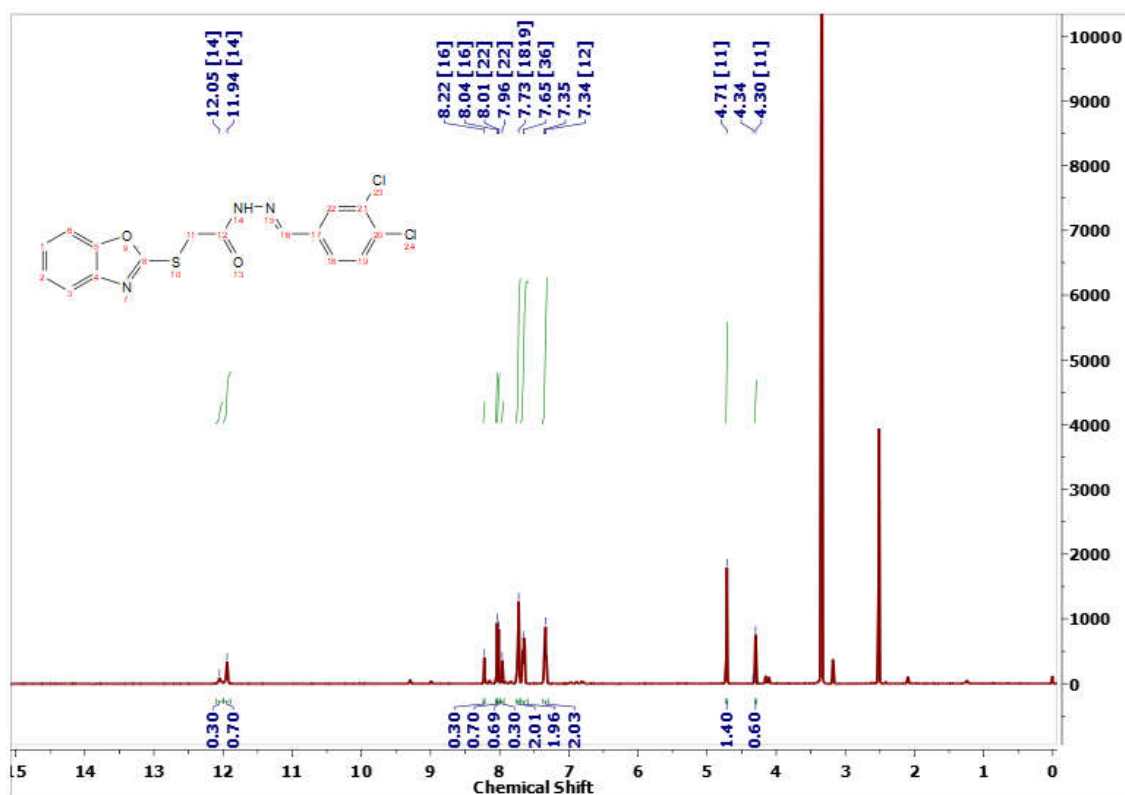


Figure S4: ^1H NMR of compound 4a

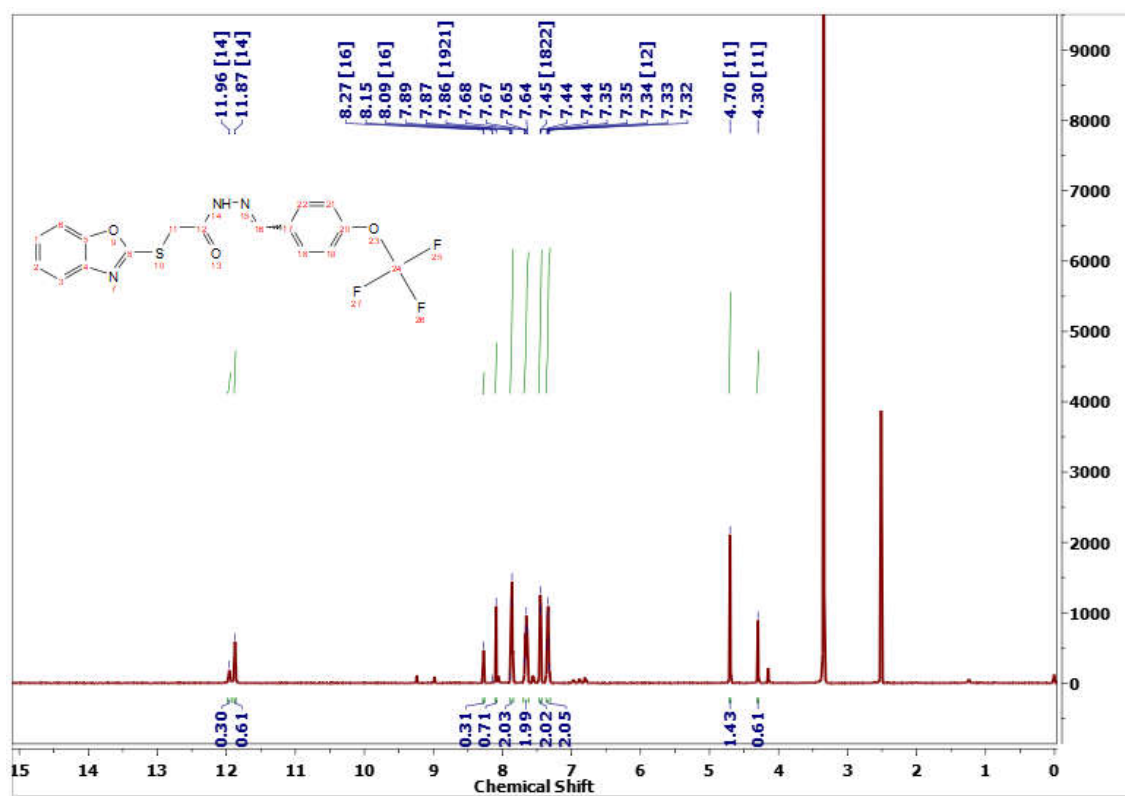


Figure S5: ^1H NMR of compound 4b

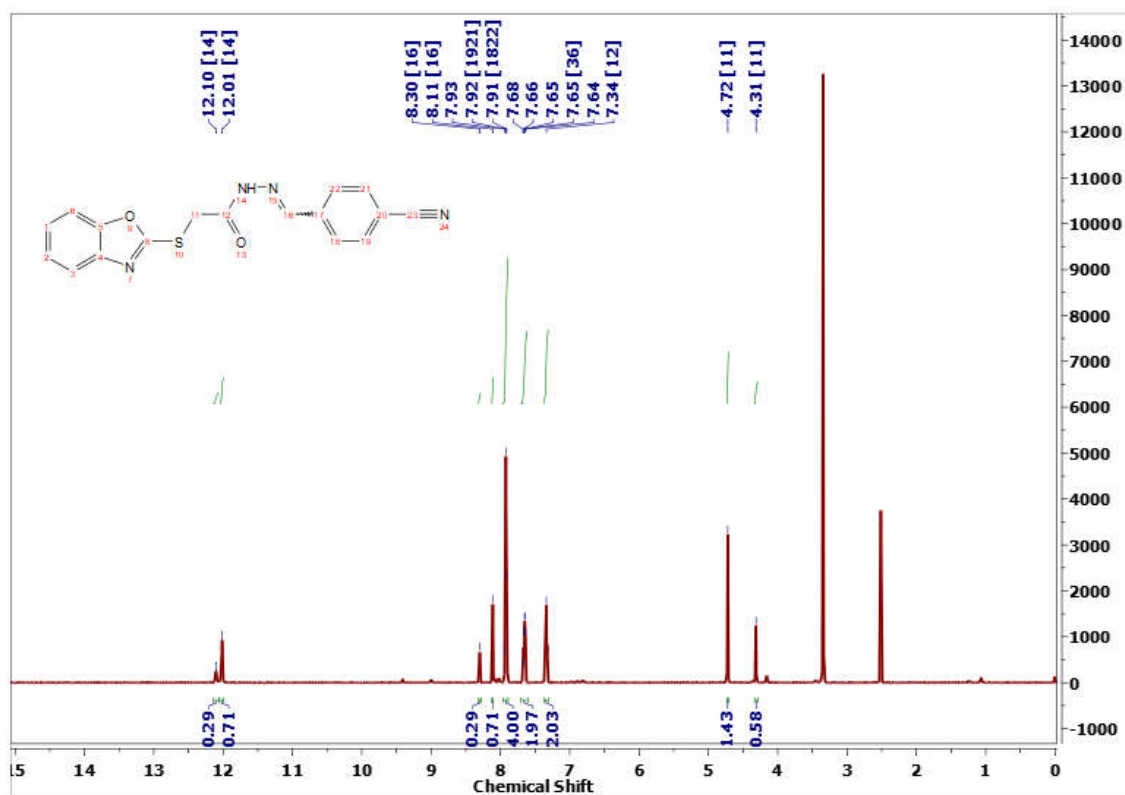


Figure S 6: ¹H NMR of compound 4c

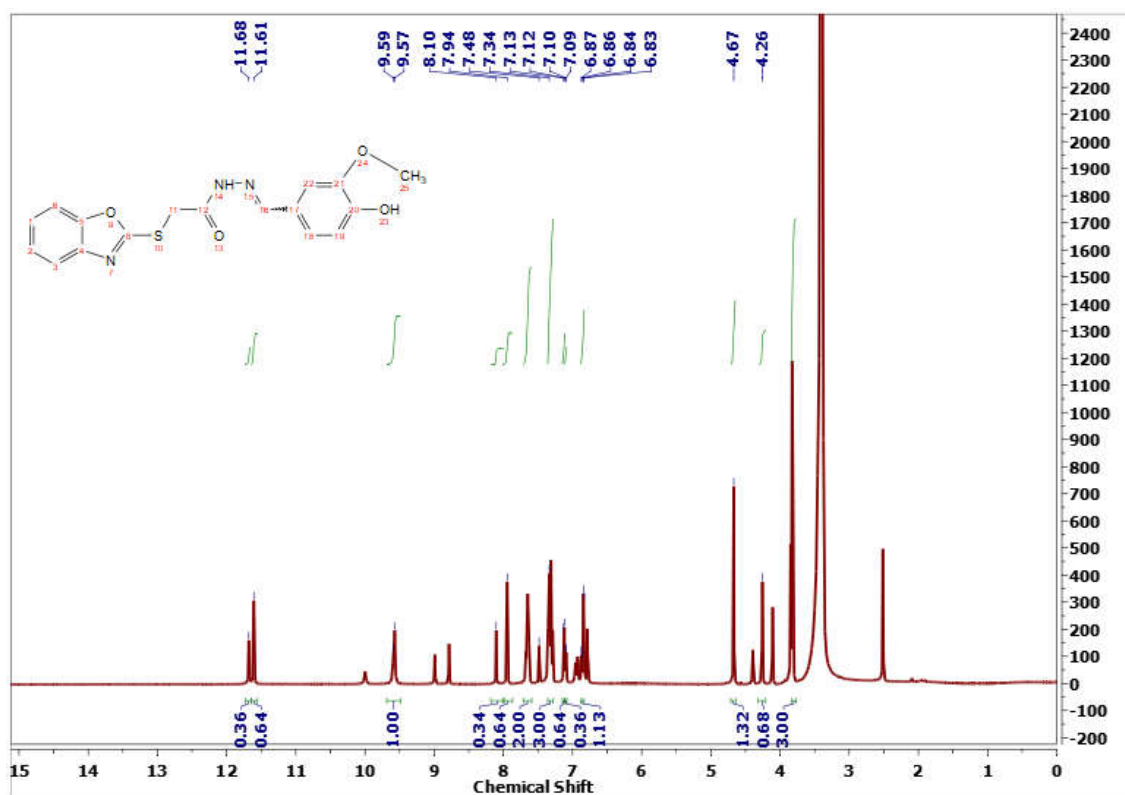


Figure S7: ¹H NMR of compound 4d

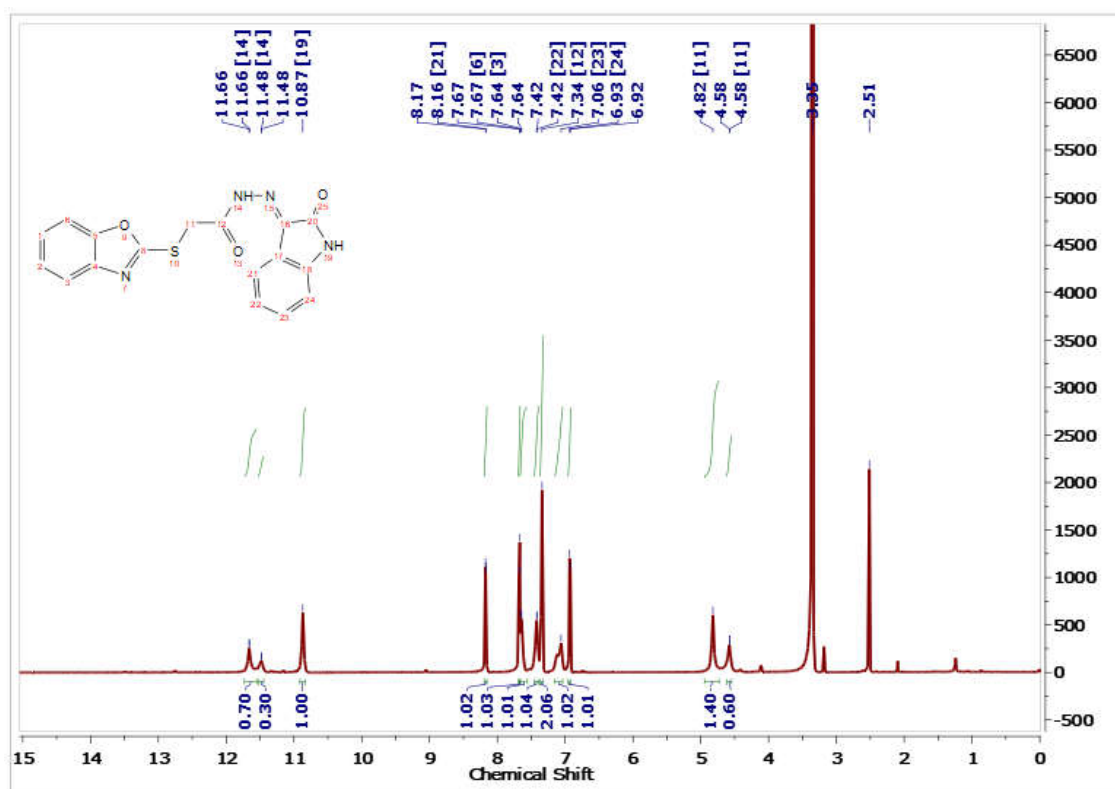


Figure S8: ^1H NMR of compound 5a

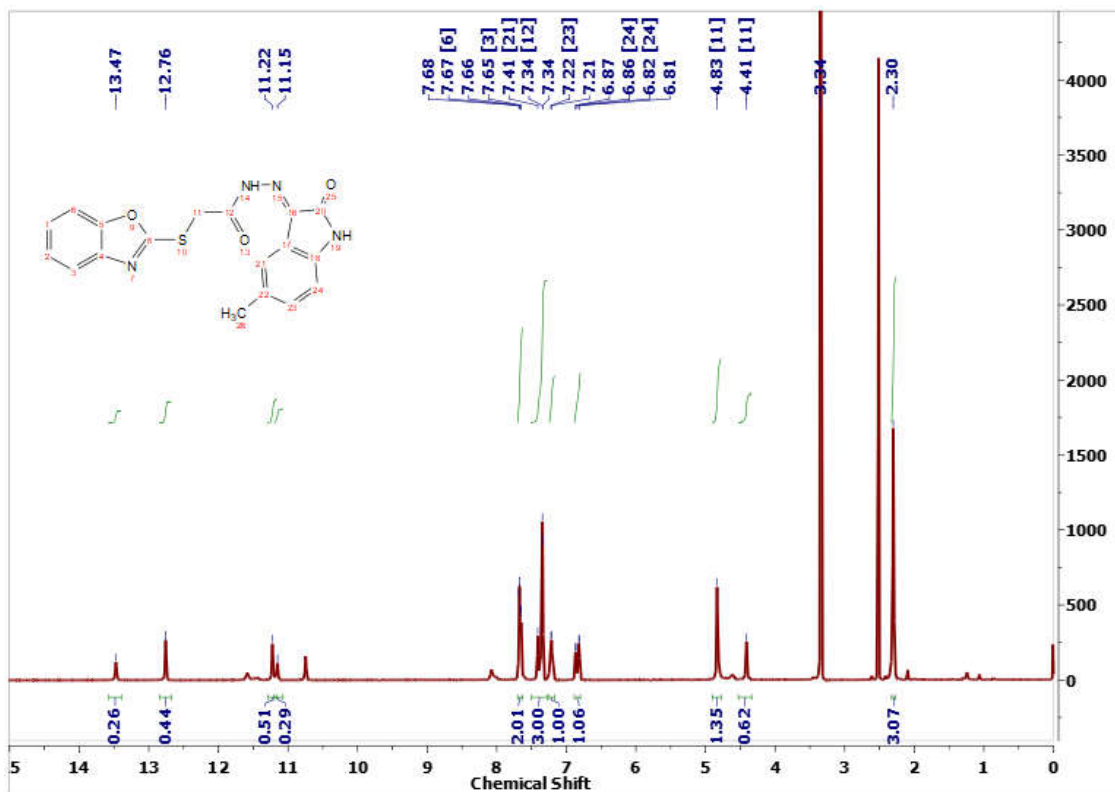


Figure S9: ^1H NMR of compound 5b

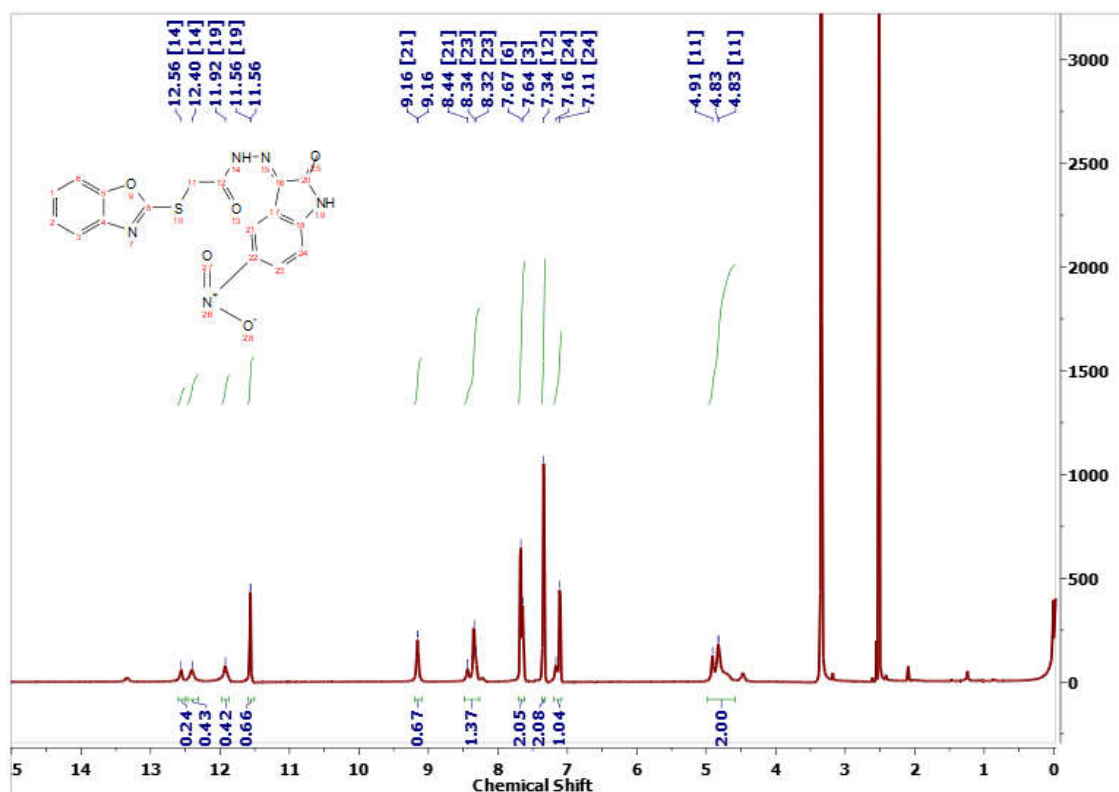


Figure S10: ¹H NMR of compound 5c

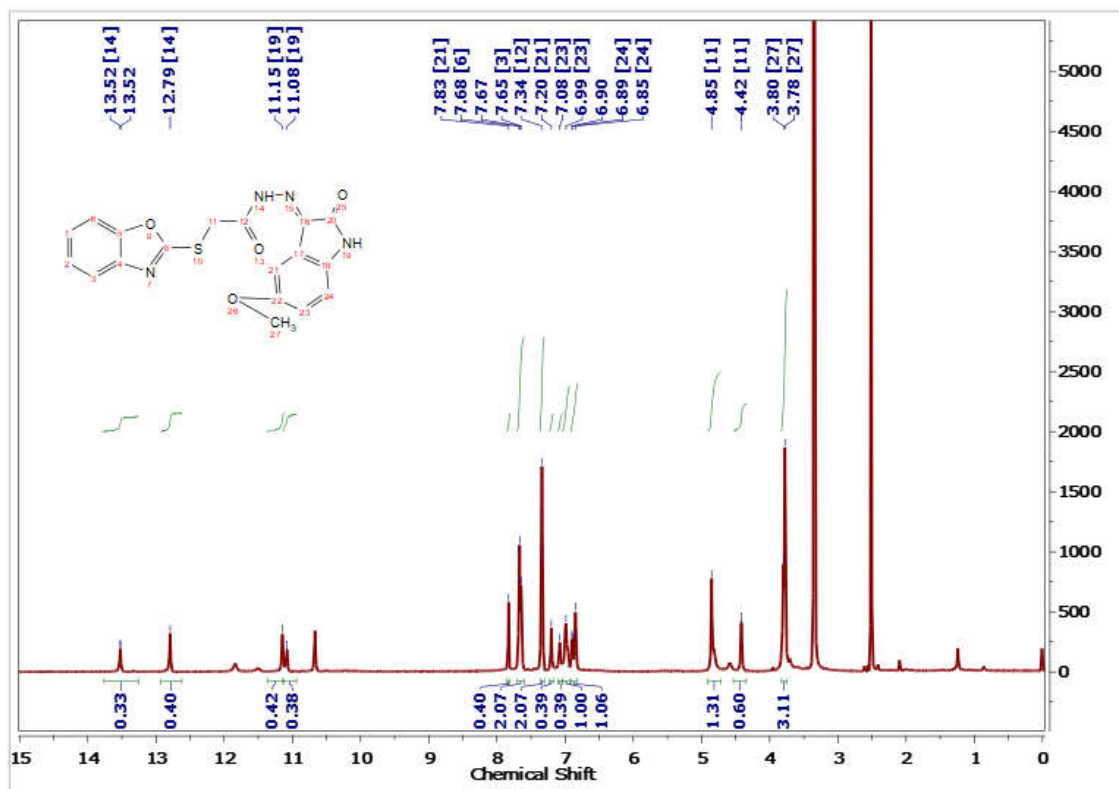


Figure S11: ¹H NMR of compound 5d

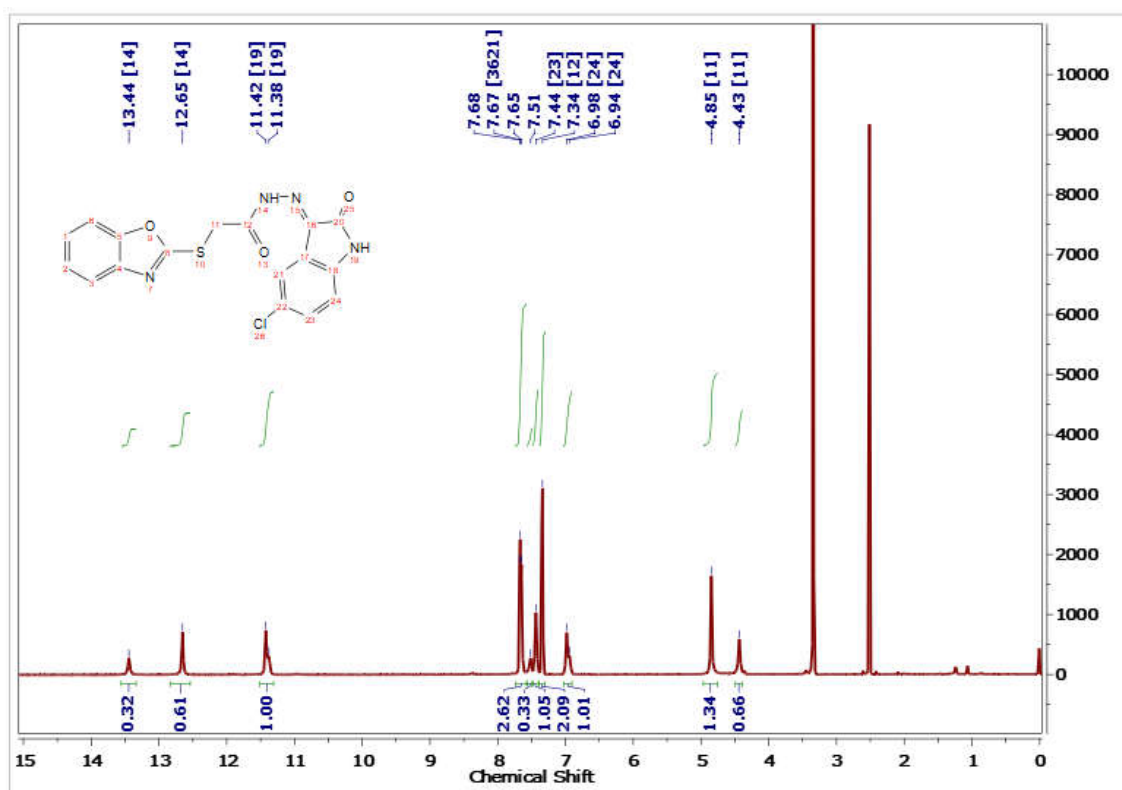


Figure S12: ¹H NMR of compound 5e

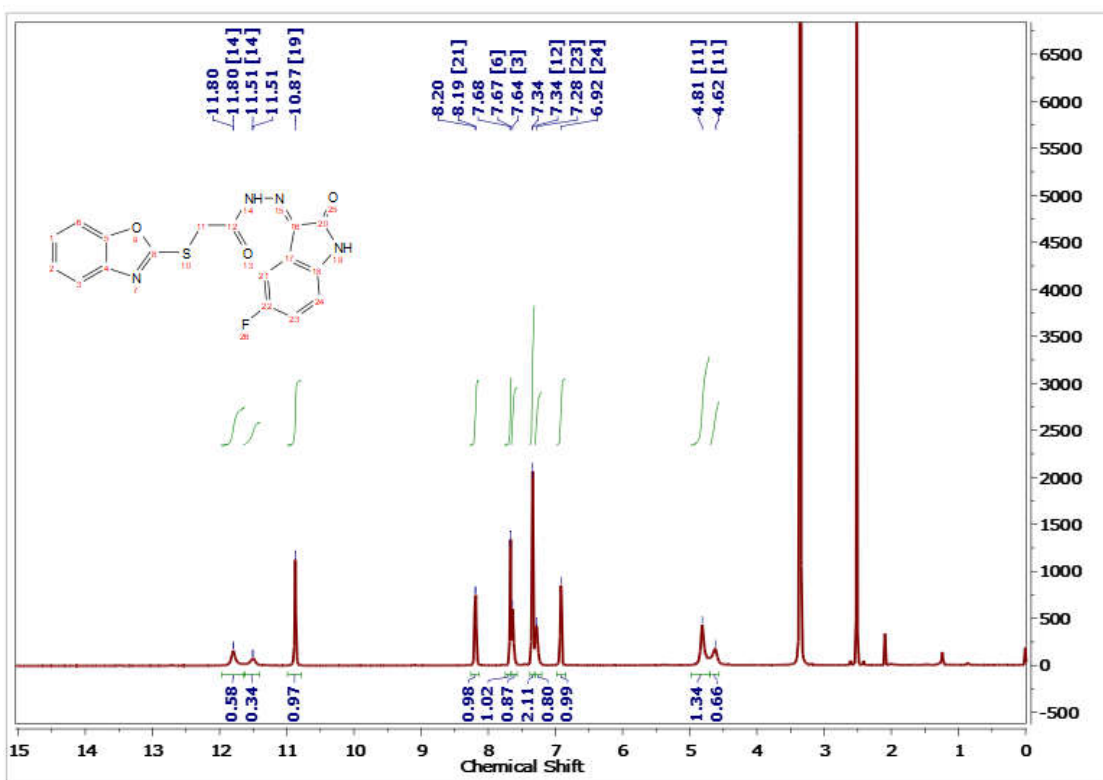


Figure S13: ¹H NMR of compound 5f

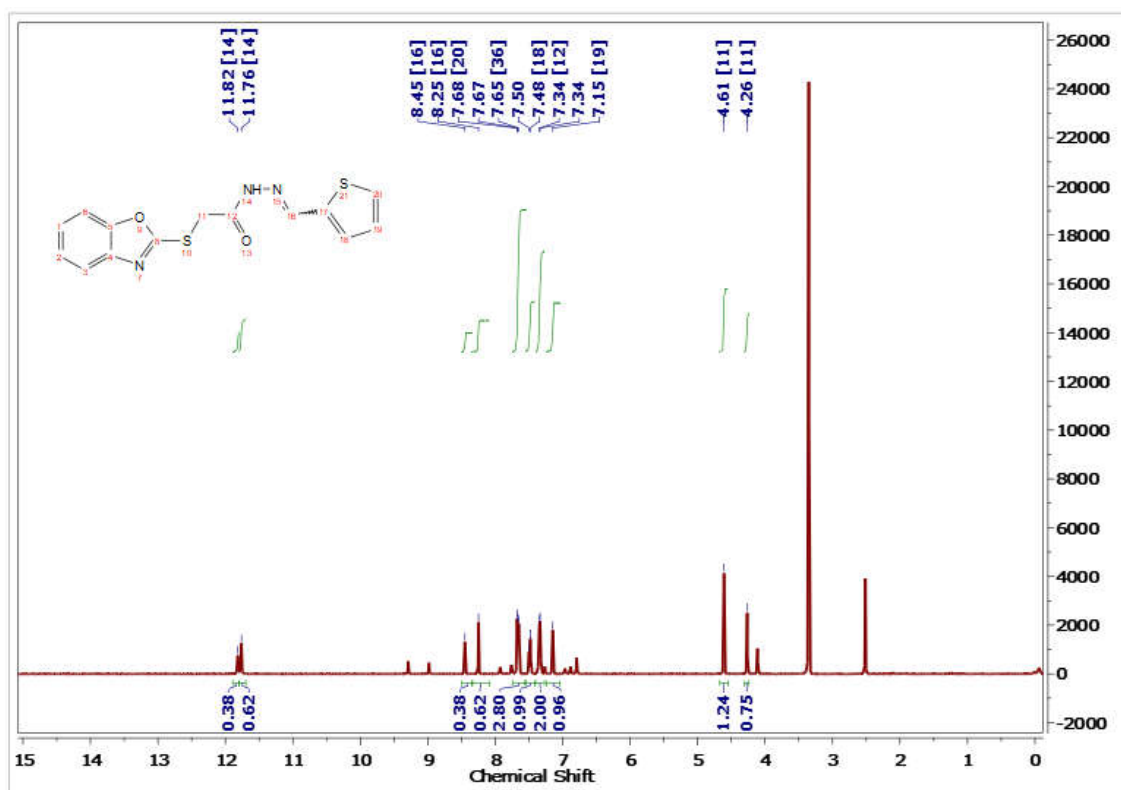


Figure S14: ¹H NMR of compound 6a

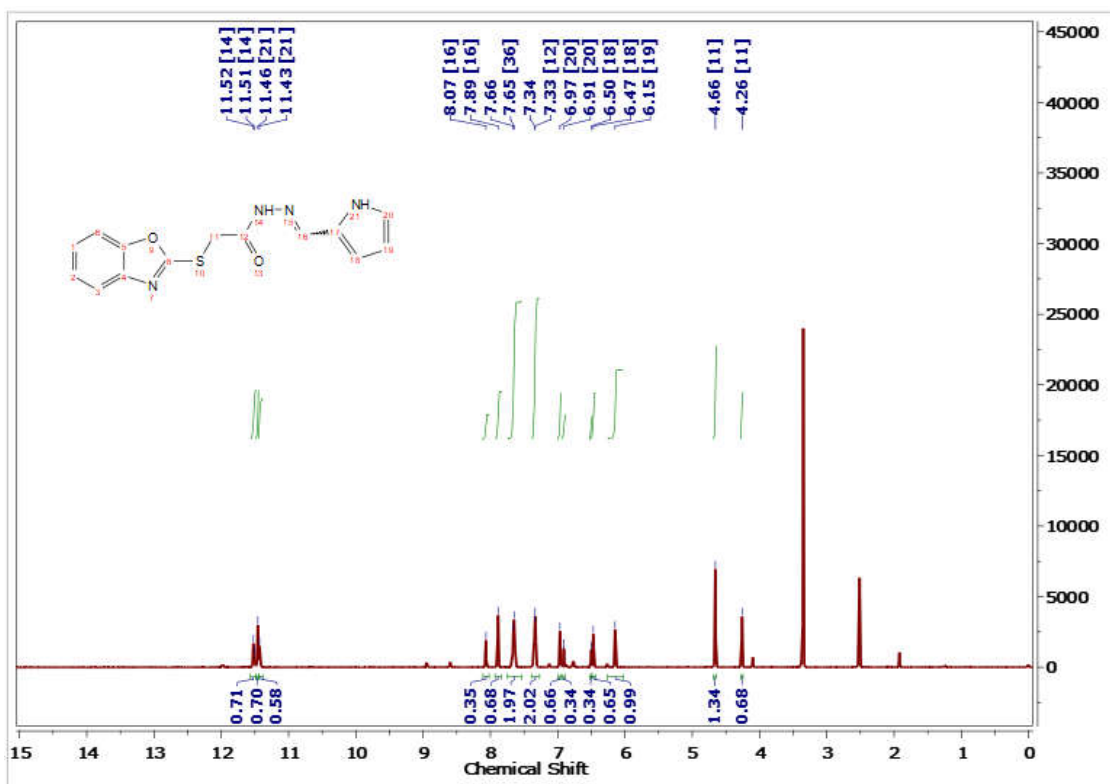


Figure S15: ¹H NMR of compound 6

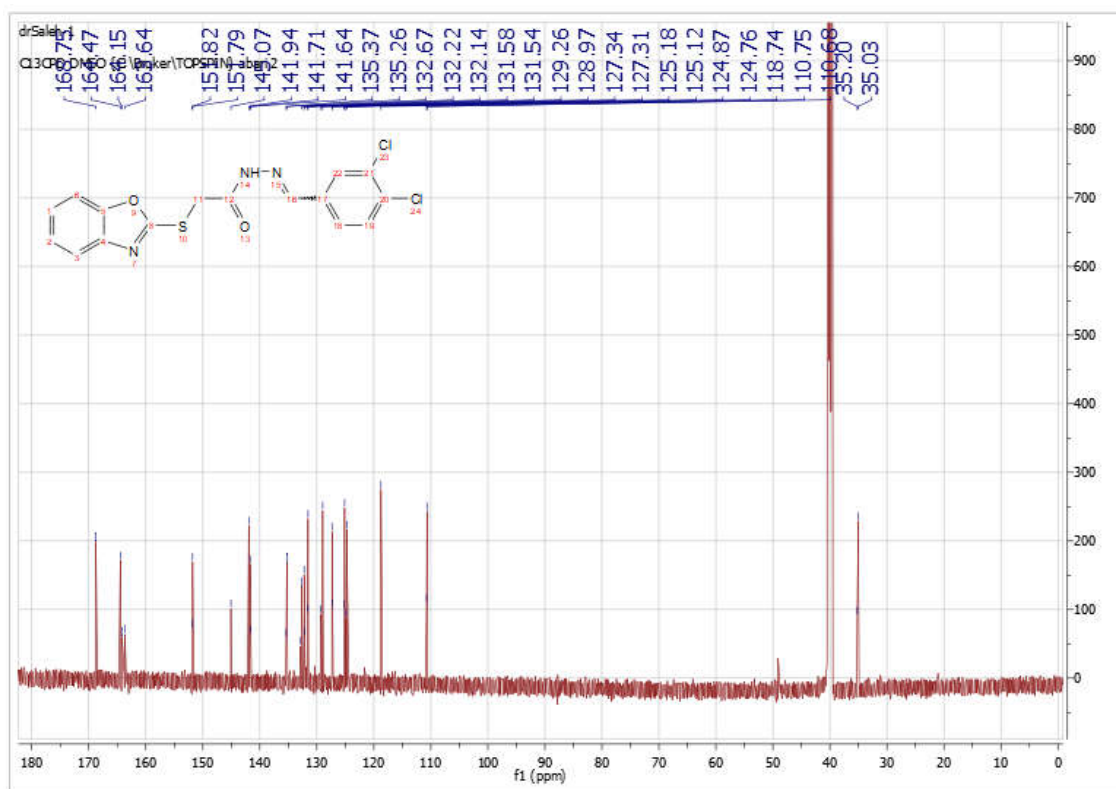


Figure S16: ^{13}C NMR of compound 4a

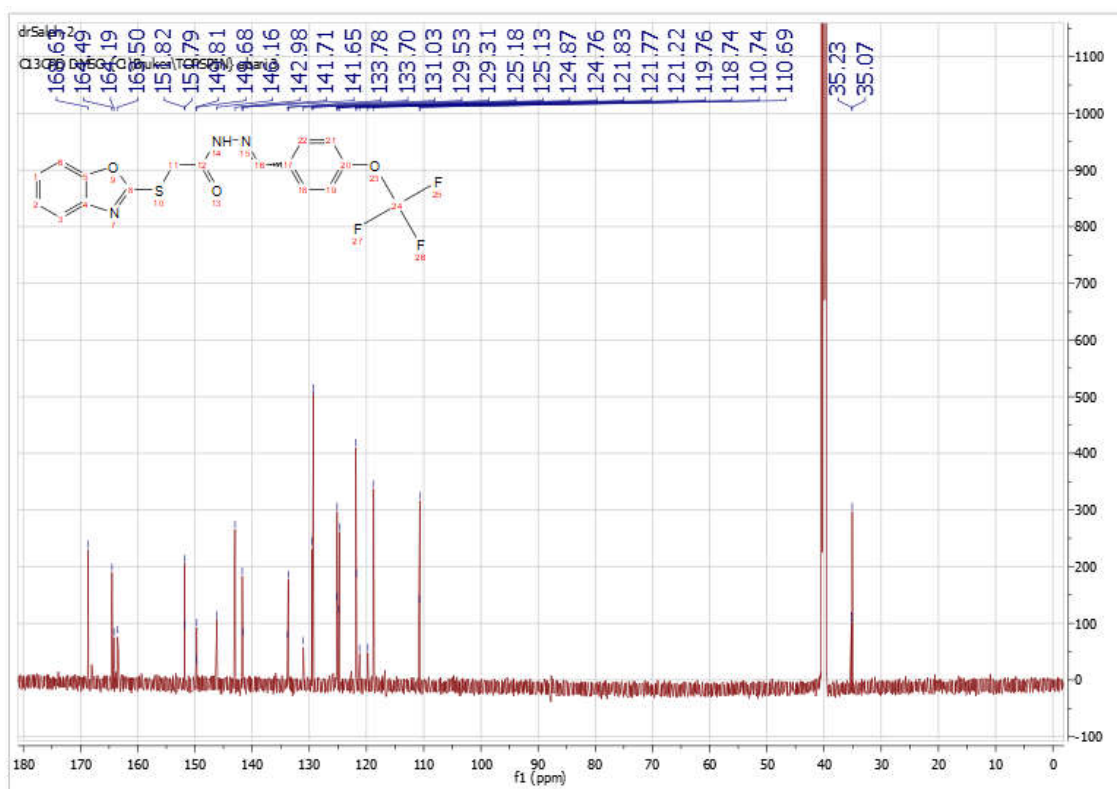


Figure S17: ¹³CNMR of compound 4b

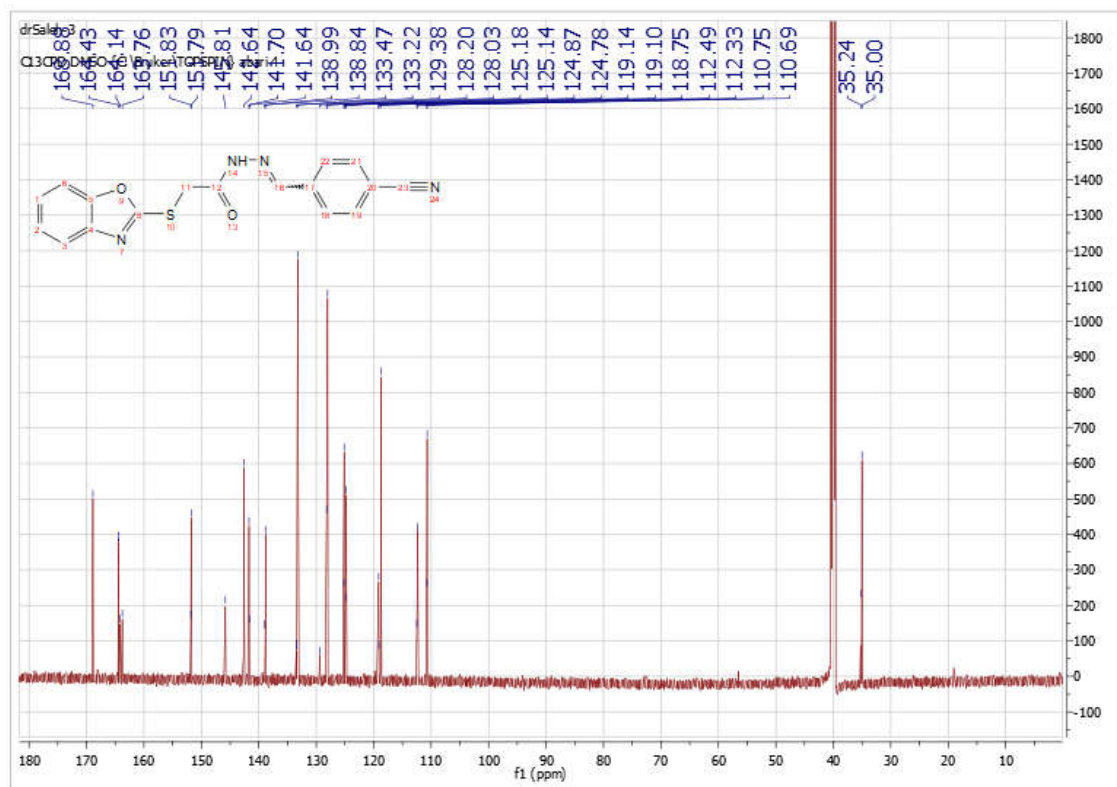


Figure S18: ¹³CNMR of compound 4c

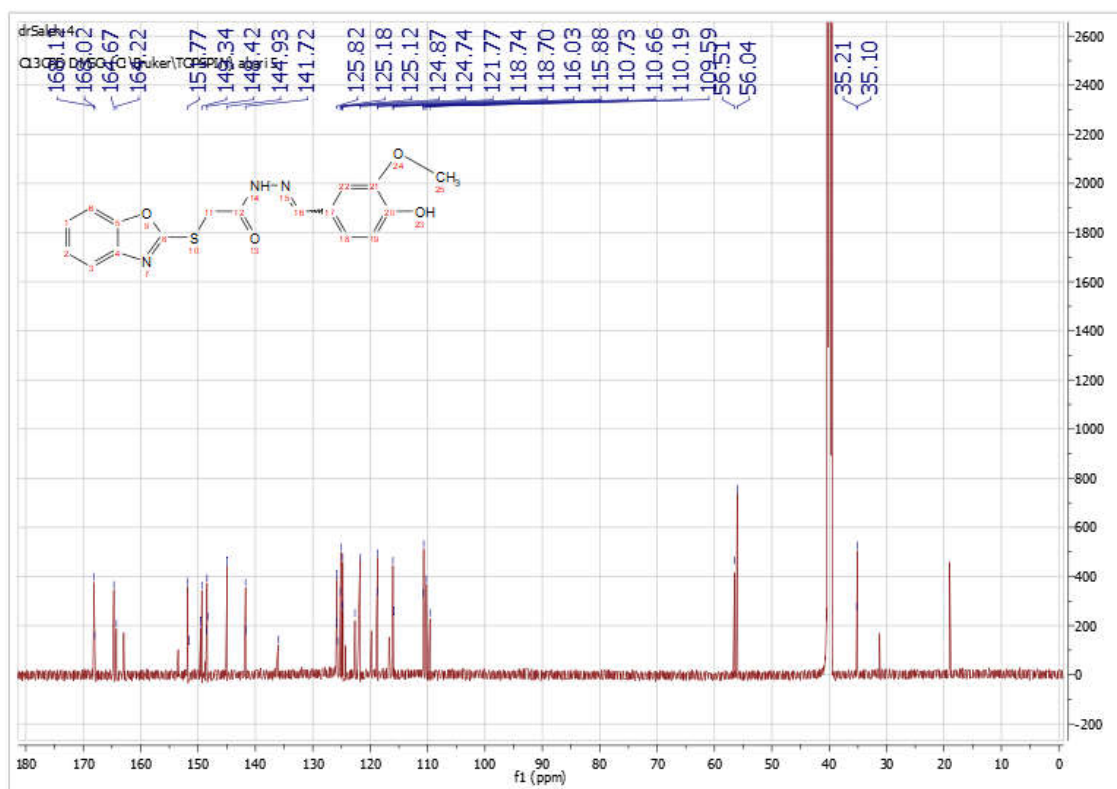


Figure S19: ¹³CNMR of compound 4d

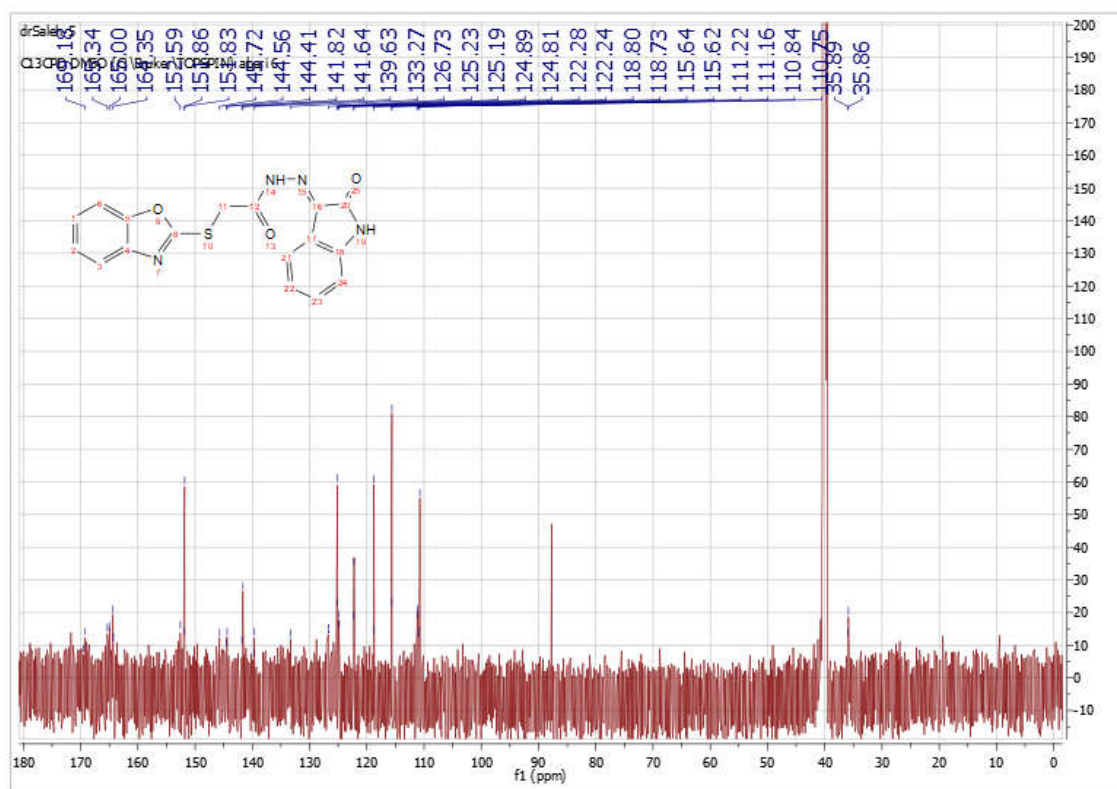


Figure S20: ¹³CNMR of compound 5a

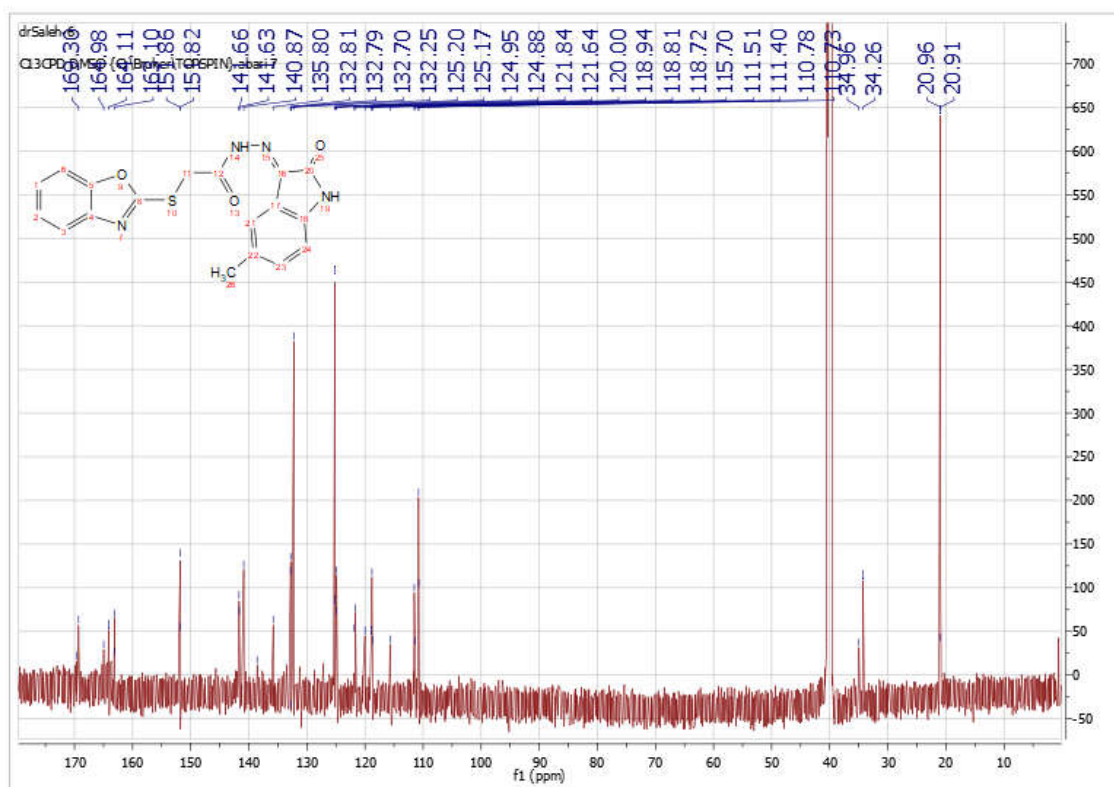


Figure S21: ¹³CNMR of compound 5b

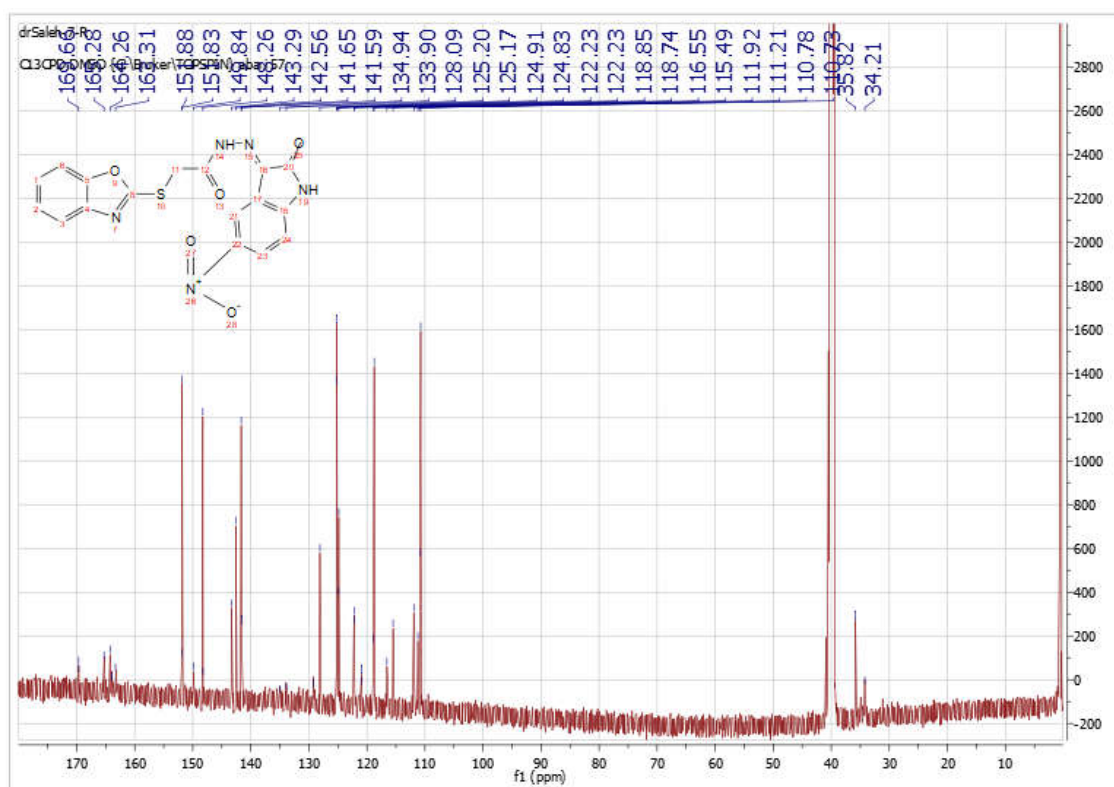


Figure S22: ¹³CNMR of compound 5c

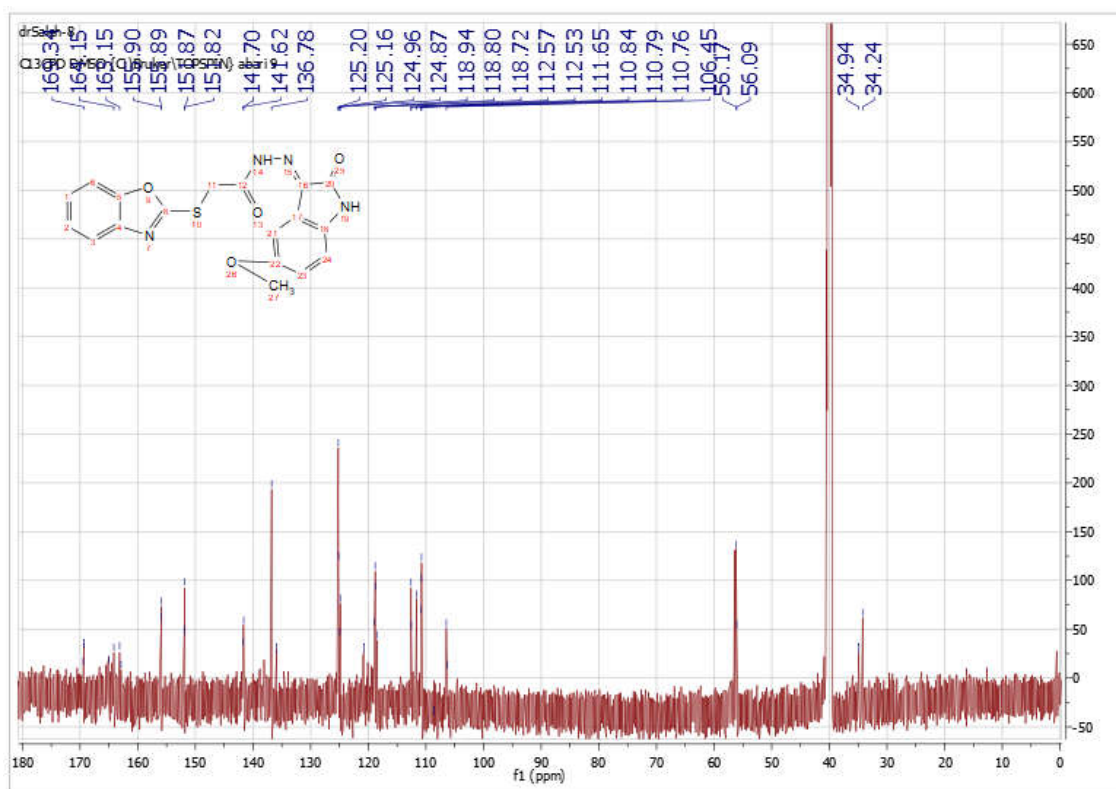


Figure S23: ^{13}C NMR of compound 5d

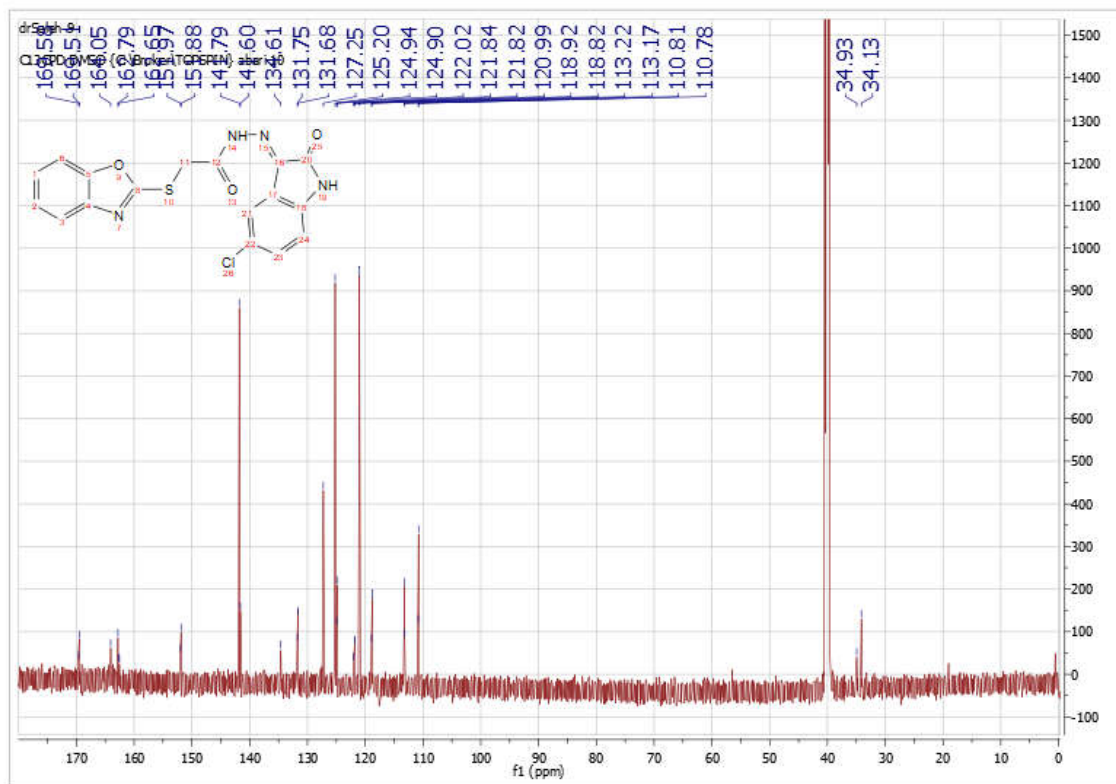


Figure S24: ^{13}C NMR of compound 5e

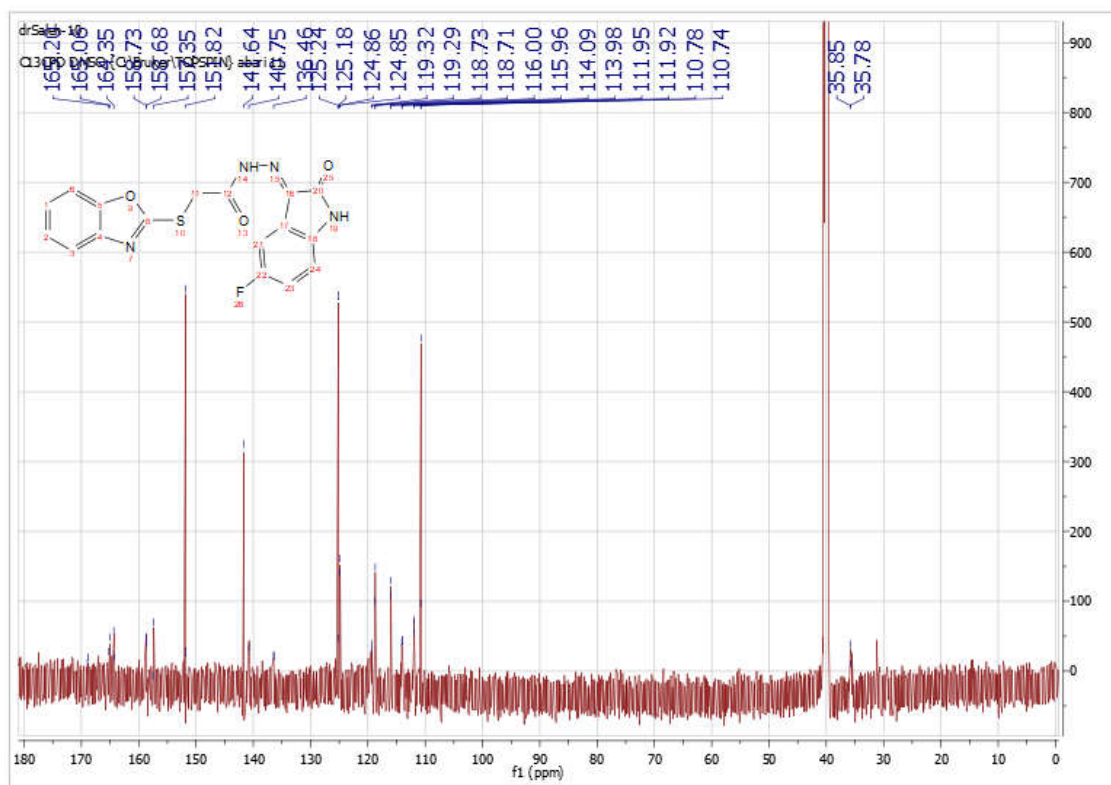


Figure S25: ^{13}C NMR of compound 5f

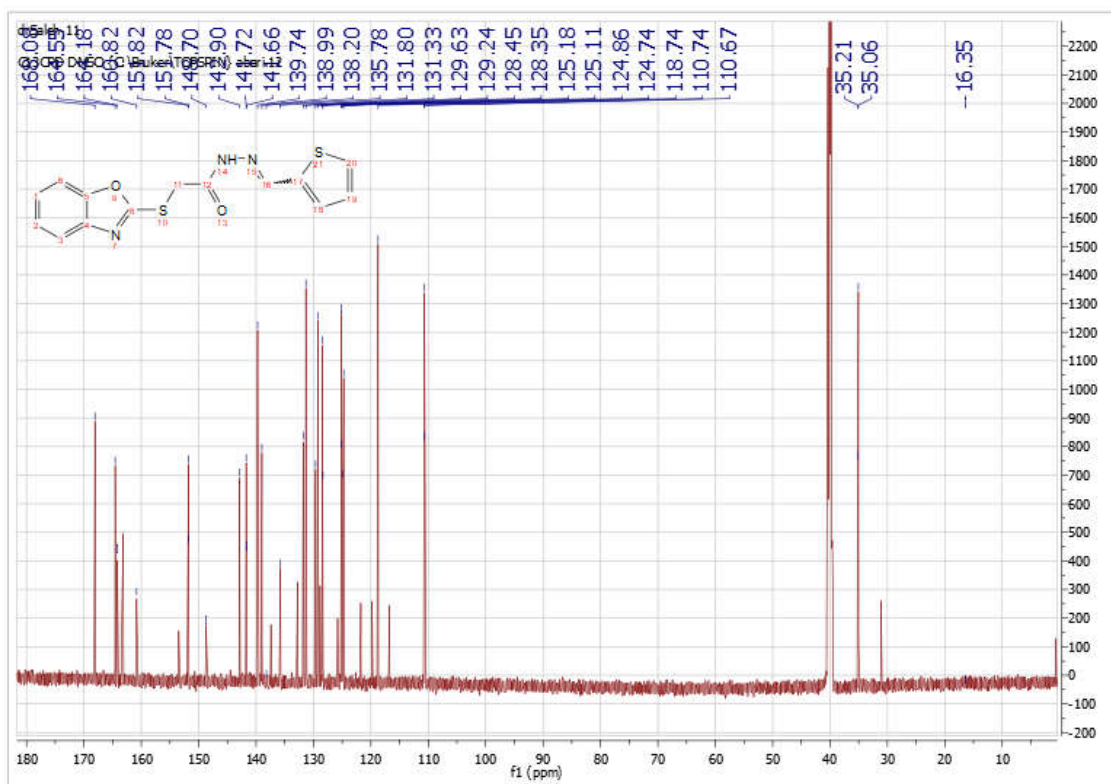


Figure S26: ^{13}C NMR of compound 6a

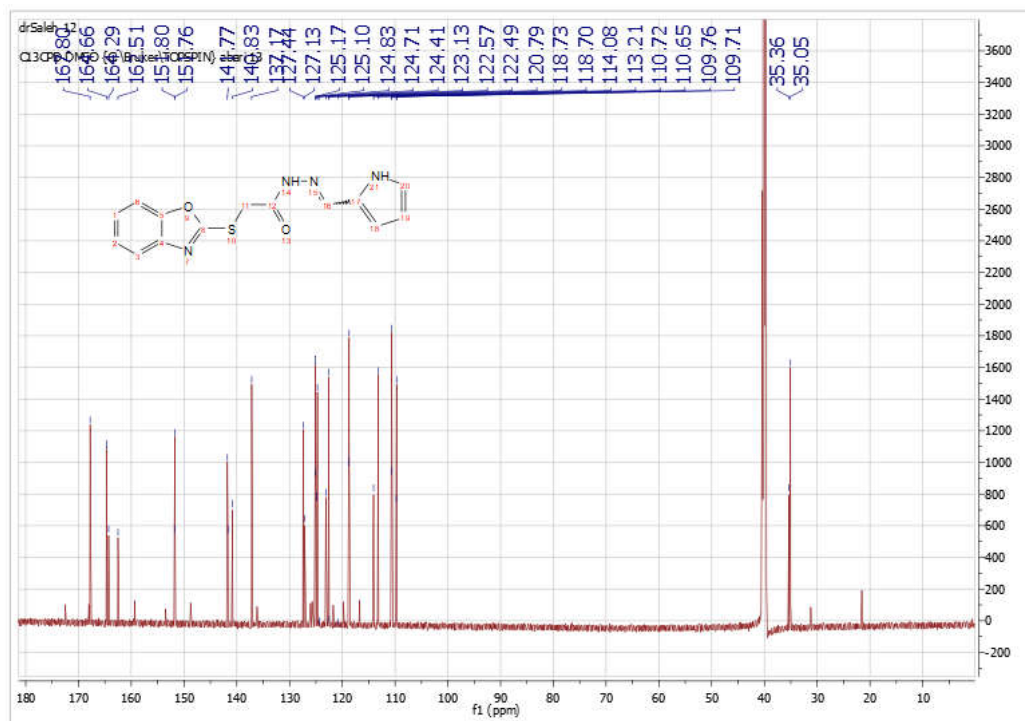


Figure S27: ¹³CNMR of compound 6b

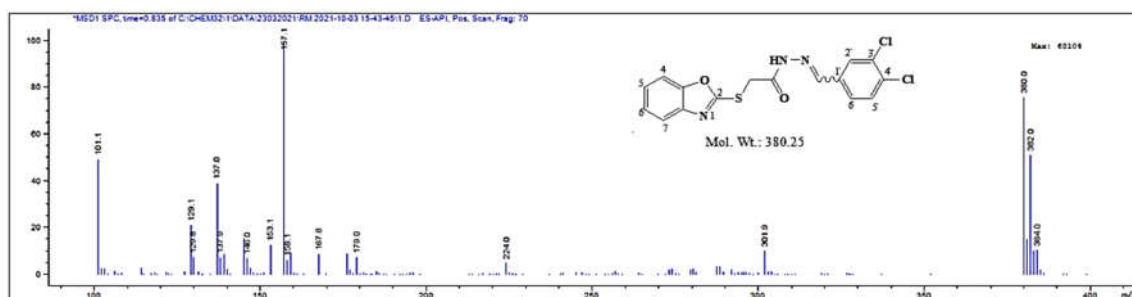


Figure S28: Mass of compound 4a

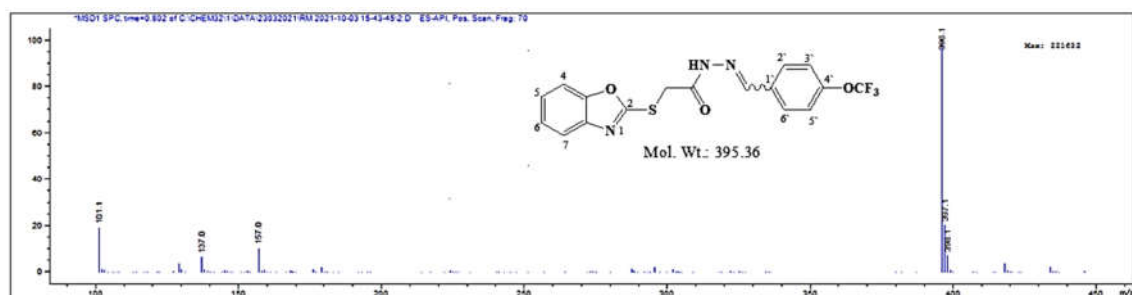


Figure S29: Mass of compound 4b

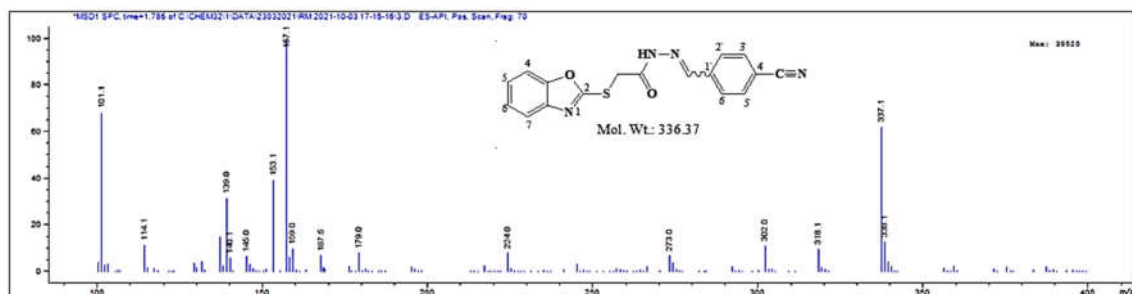


Figure S30: Mass of compound 4c

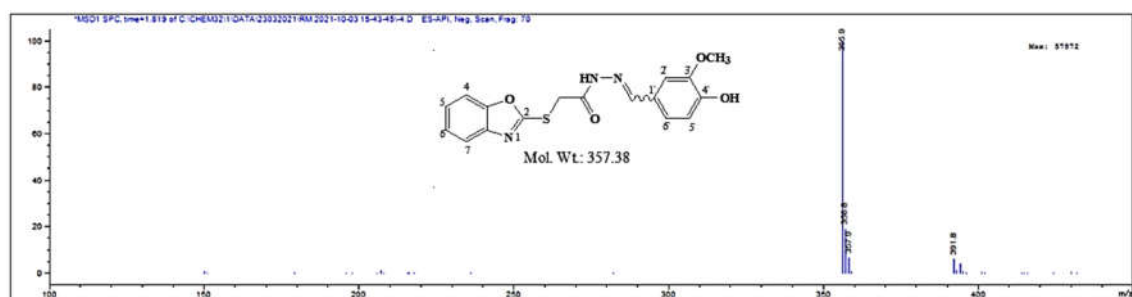


Figure S31: Mass of compound 4d

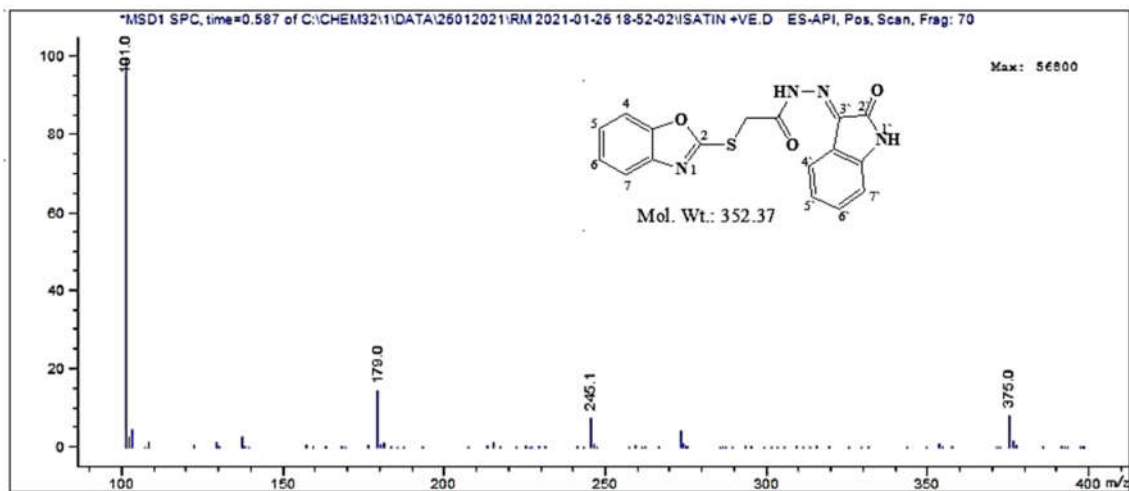


Figure S32: Mass of compound 5a

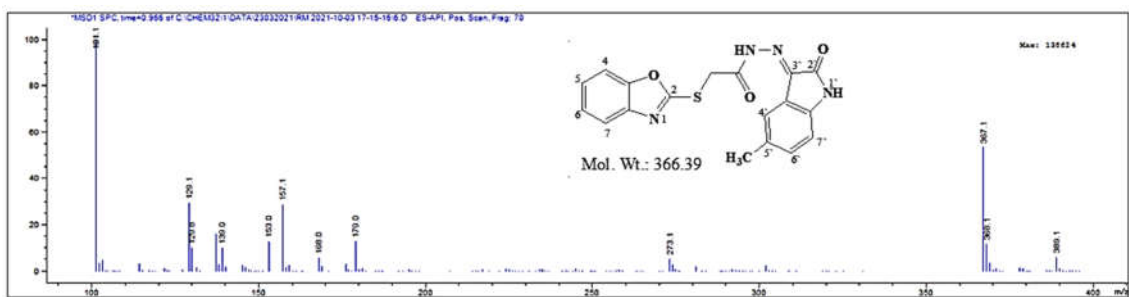


Figure S33: Mass of compound 5b

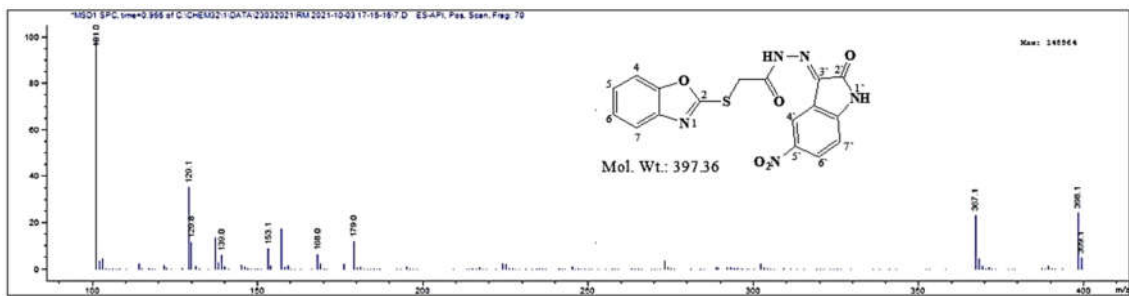


Figure S34: Mass of compound 5c

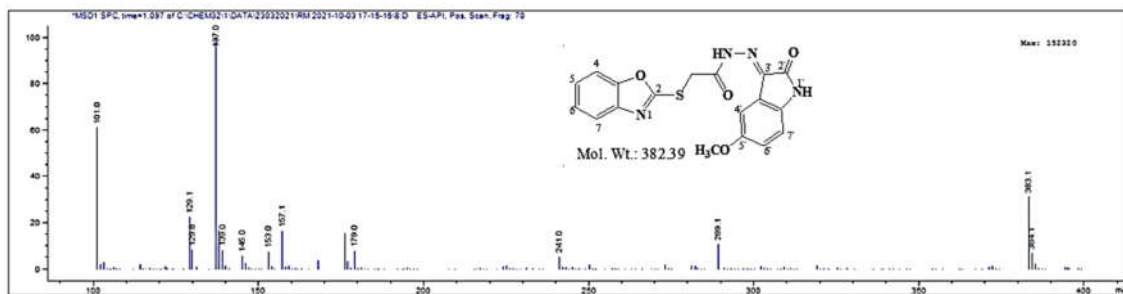


Figure S35: Mass of compound 5d

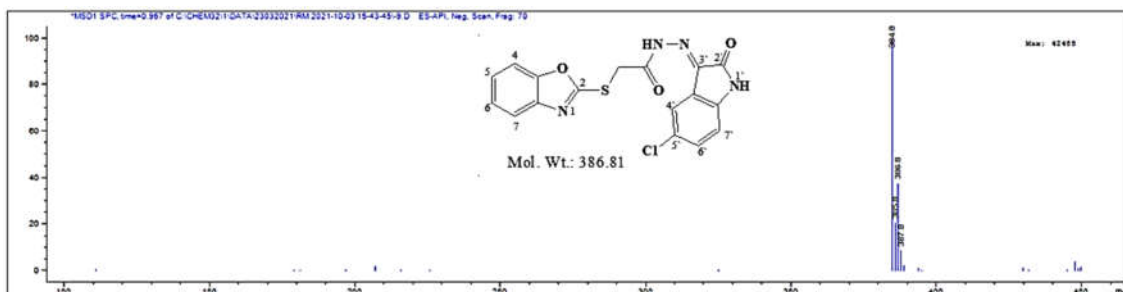


Figure S36: Mass of compound 5e

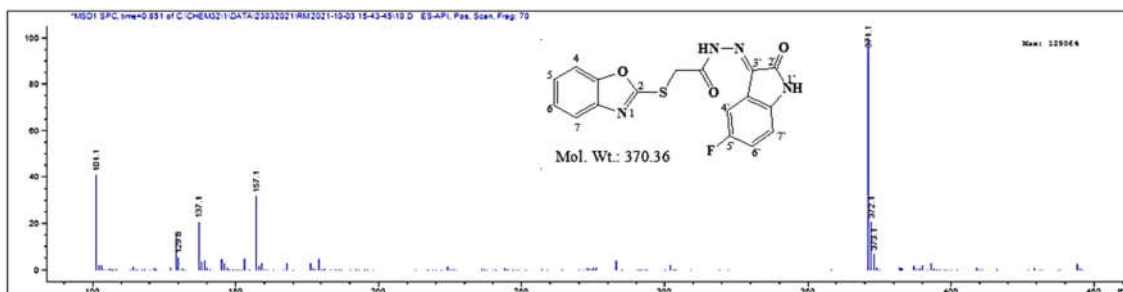


Figure S37: Mass of compound 5f

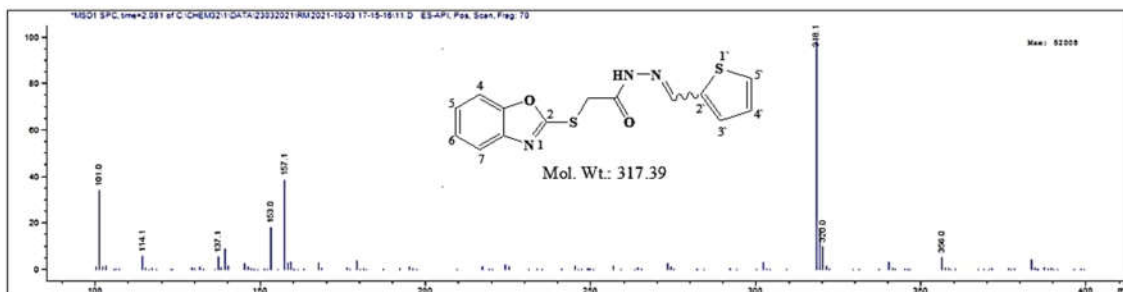


Figure S38: Mass of compound 6a

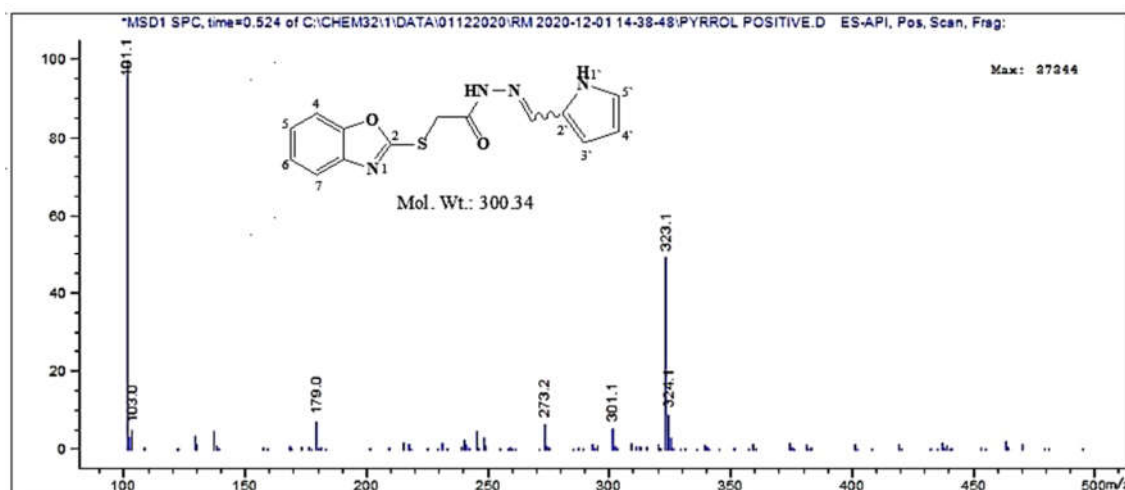


Figure S39: Mass of compound 6b