

**Design and Synthesis of Chromene-1,2,3-Triazole Benzene Sulfonamide
Hybrids as potent Carbonic anhydrase-IX inhibitors against prostate cancer**

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Supplementary data

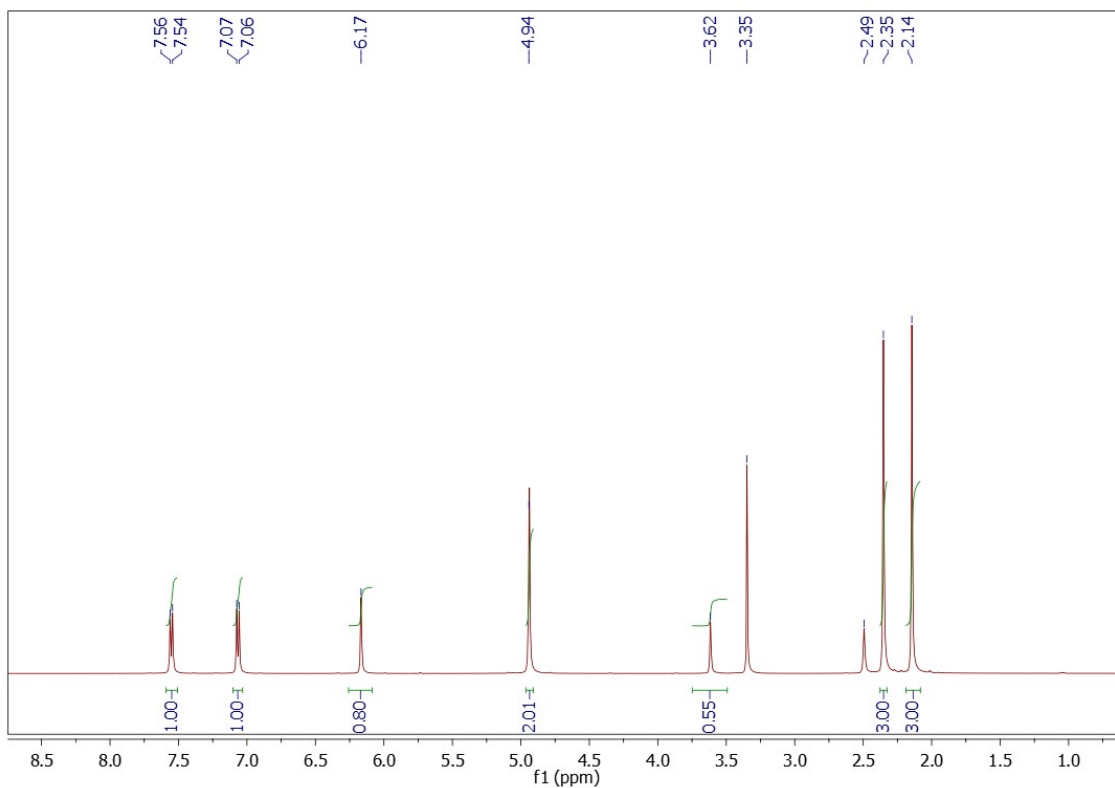


Figure S1: ^1H NMR spectrum of compound 2a.

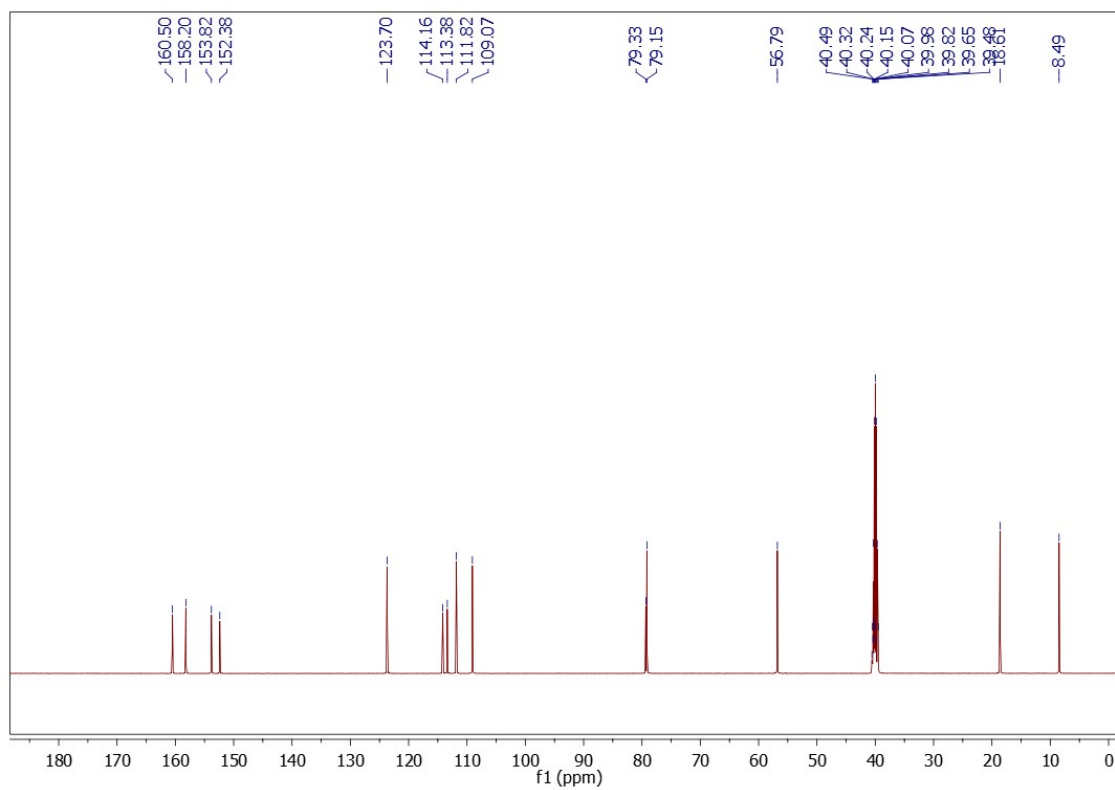


Figure S2: ^{13}C NMR spectrum of compound 2a.

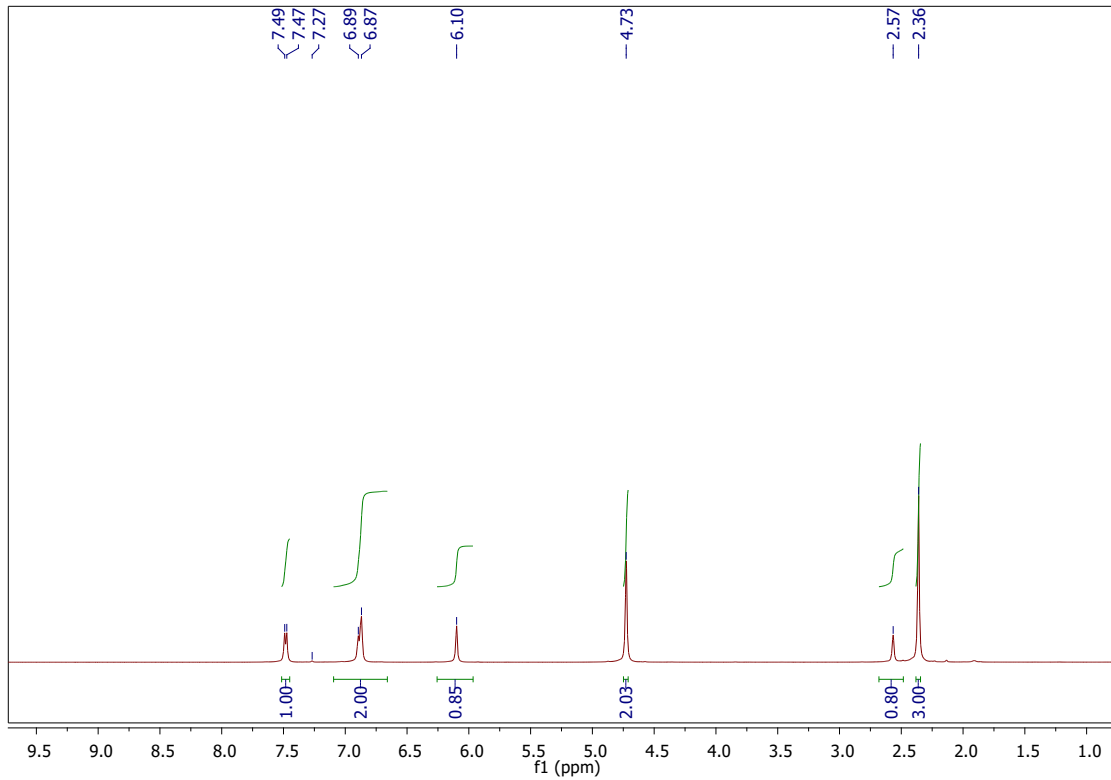


Figure S3: ^1H NMR spectrum of compound **2b**.

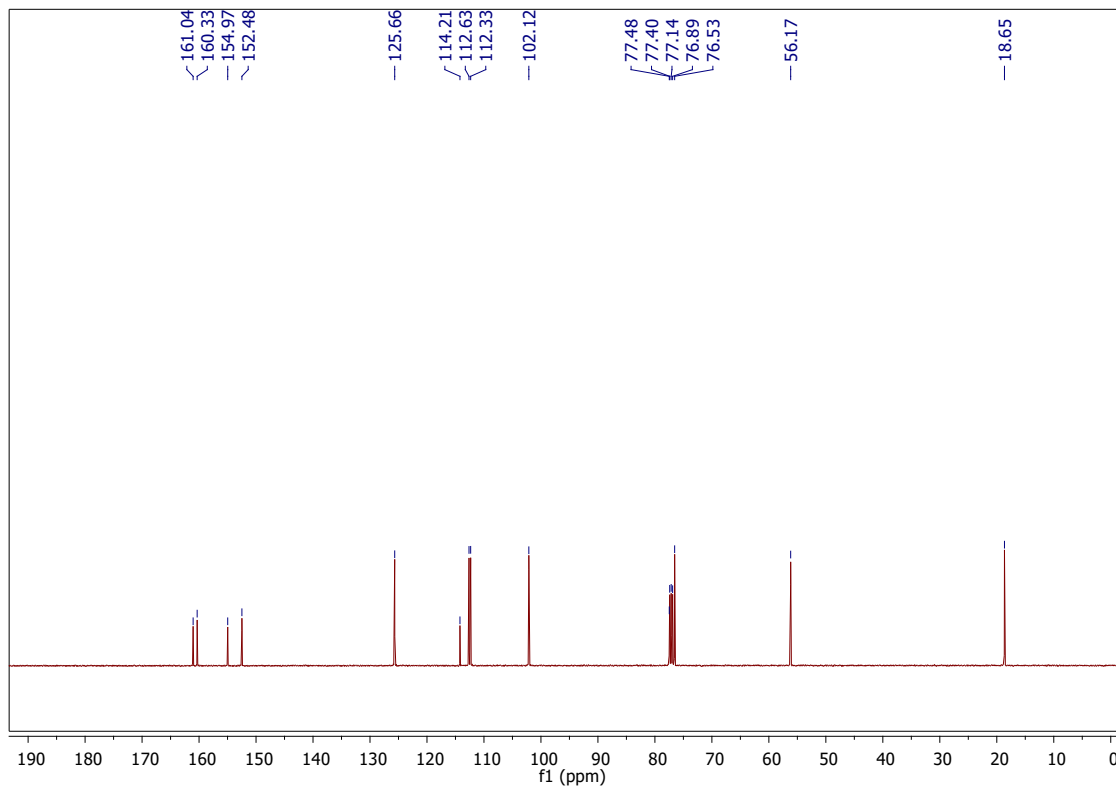


Figure S4: ^{13}C NMR spectrum of compound **2b**.

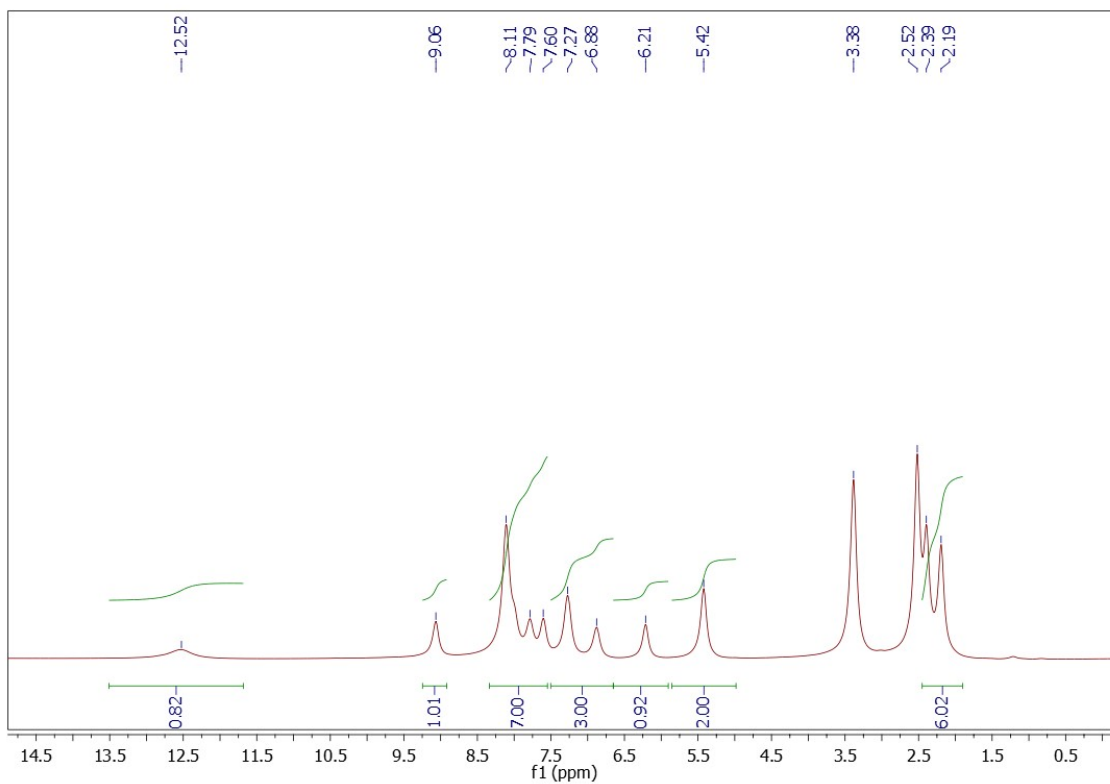


Figure S5: ^1H NMR spectrum of compound 5a.

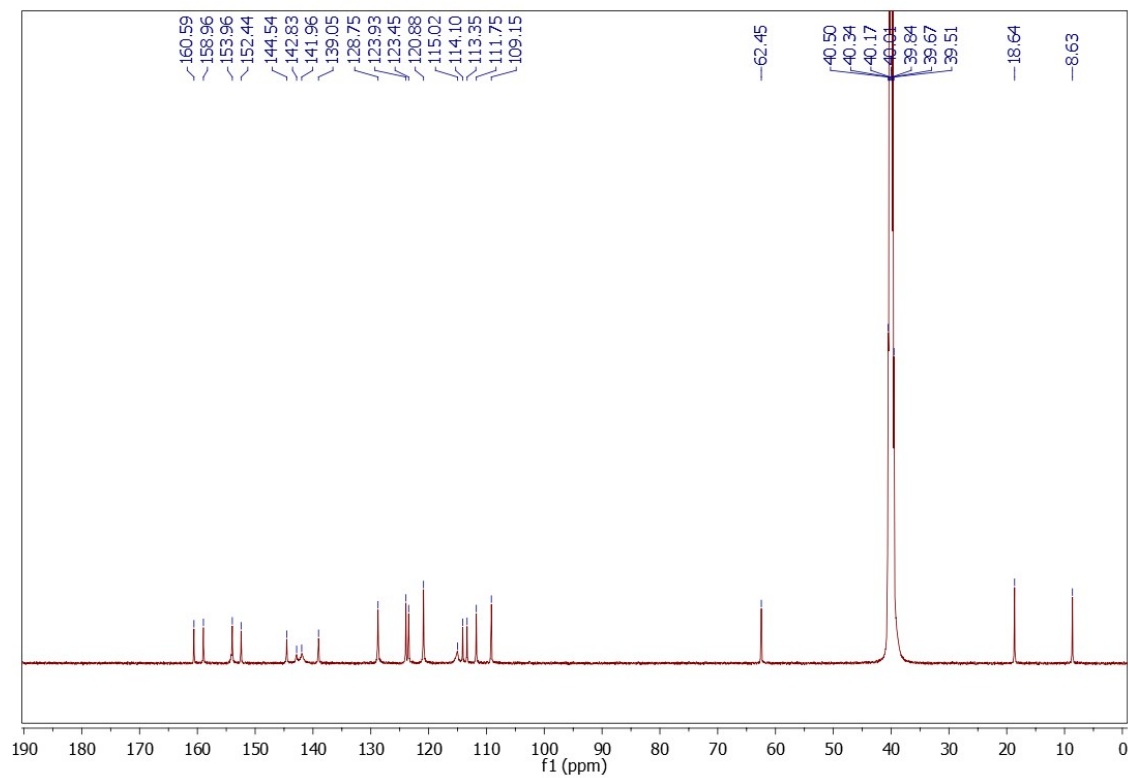


Figure S6: ^{13}C NMR spectrum of compound 5a.

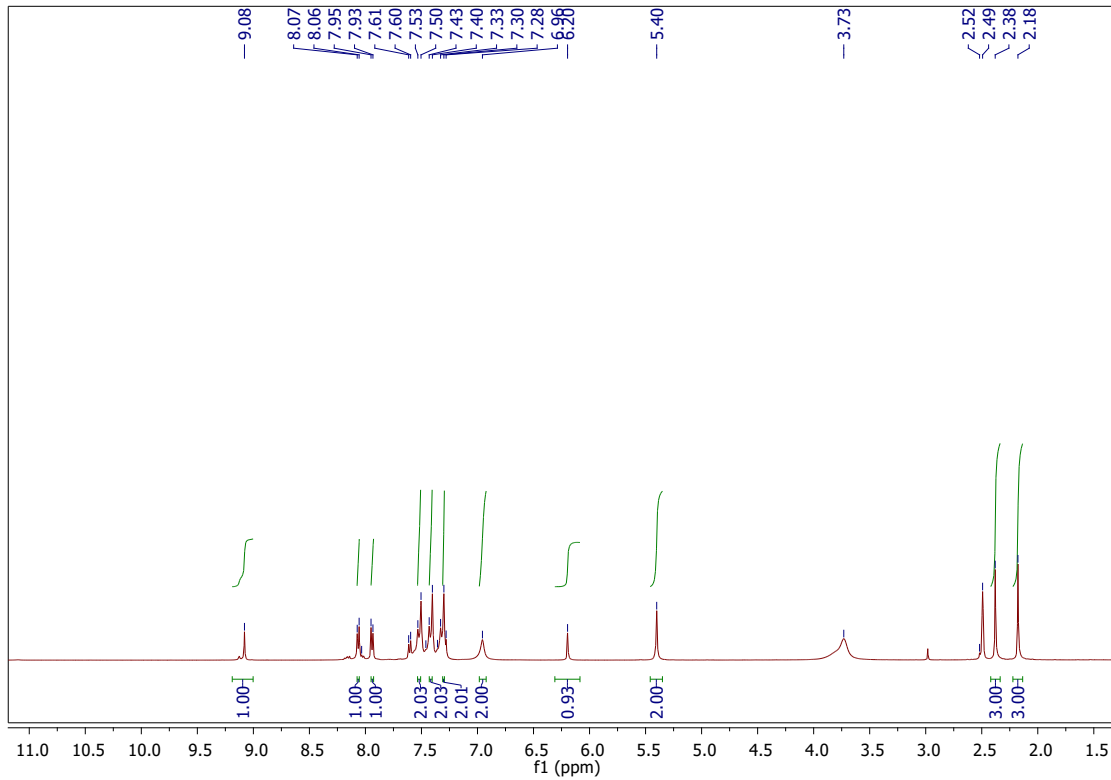


Figure S7: ^1H NMR spectrum of compound 5d.

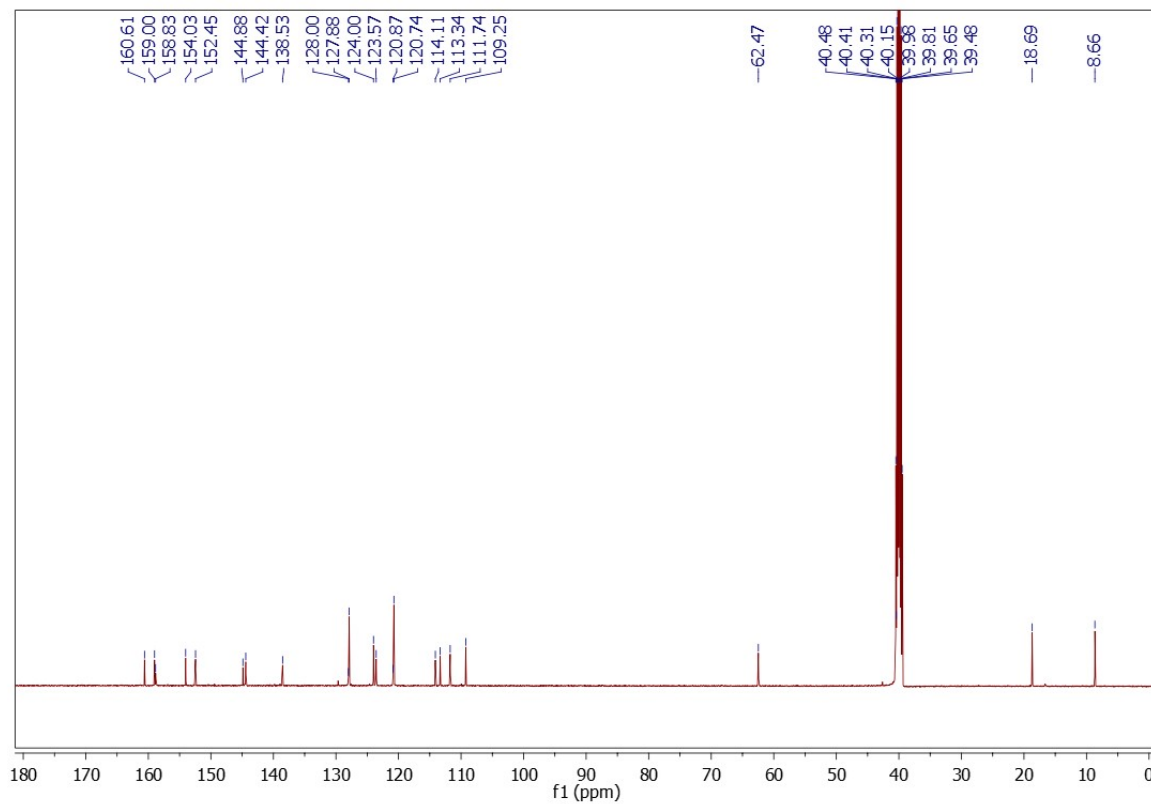


Figure S8: ^{13}C NMR spectrum of compound 5d.

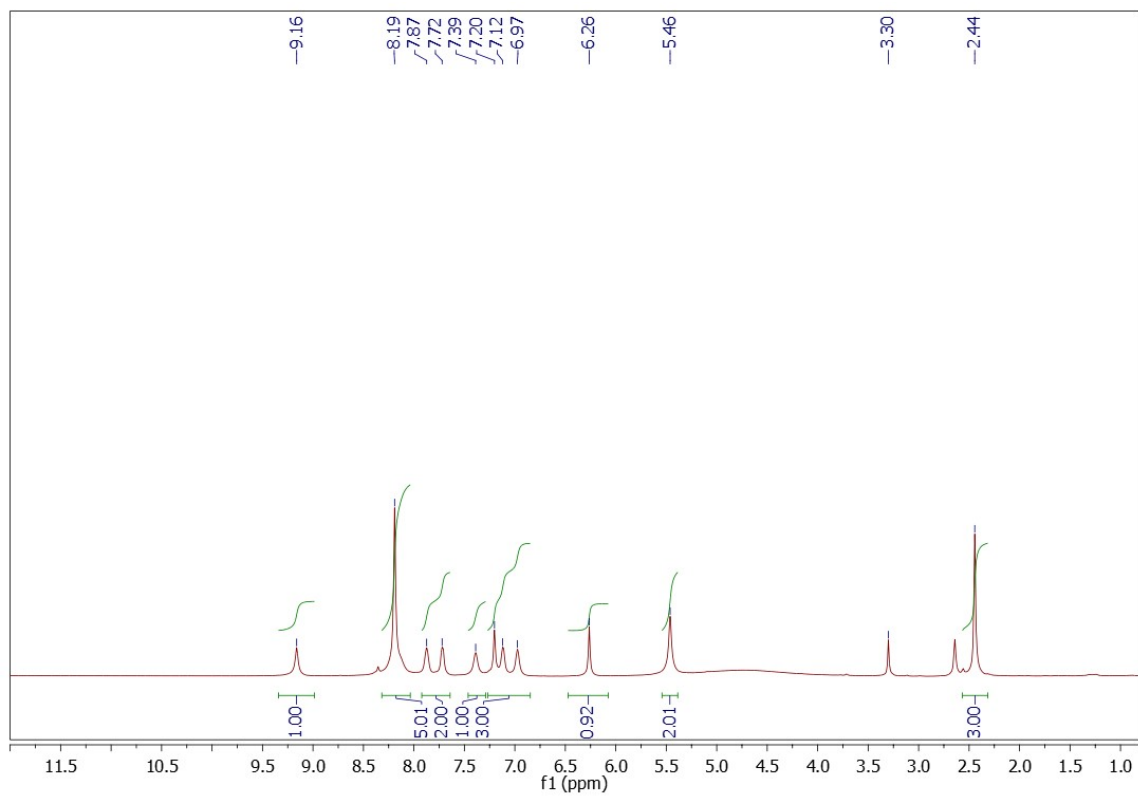


Figure S9: ^1H NMR spectrum of compound **5e**.

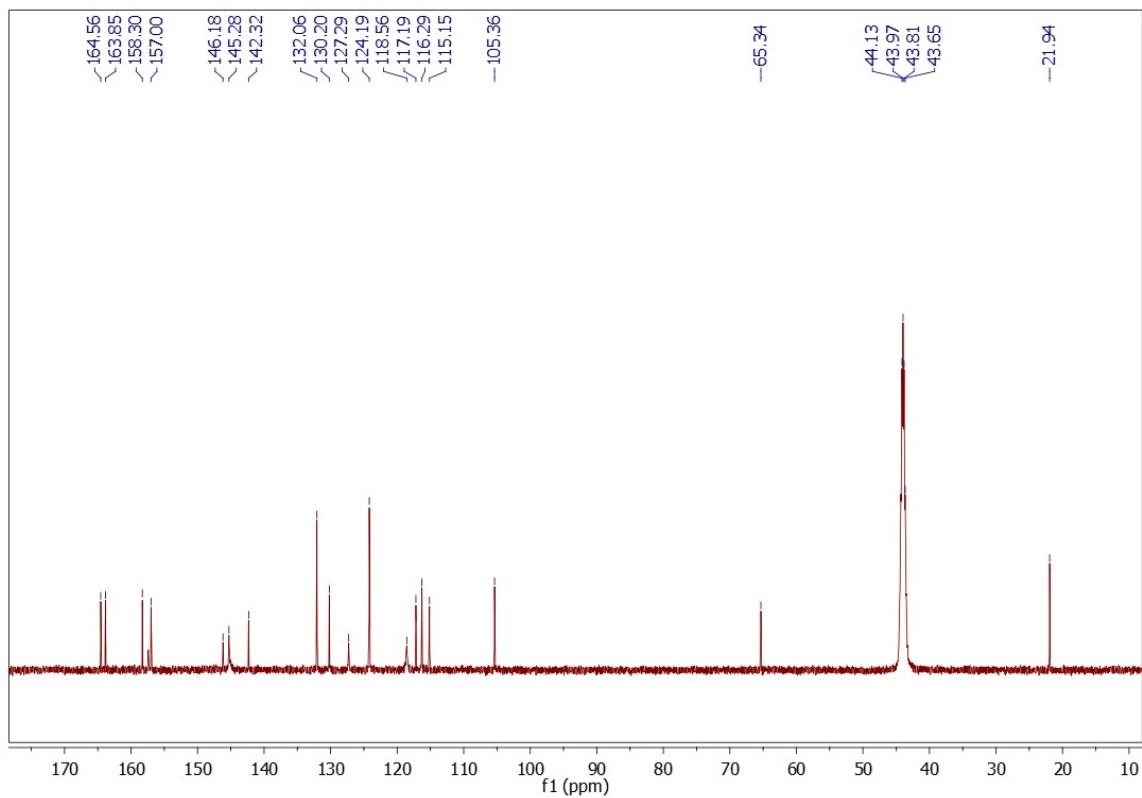


Figure S10: ^{13}C NMR spectrum of compound **5e**.

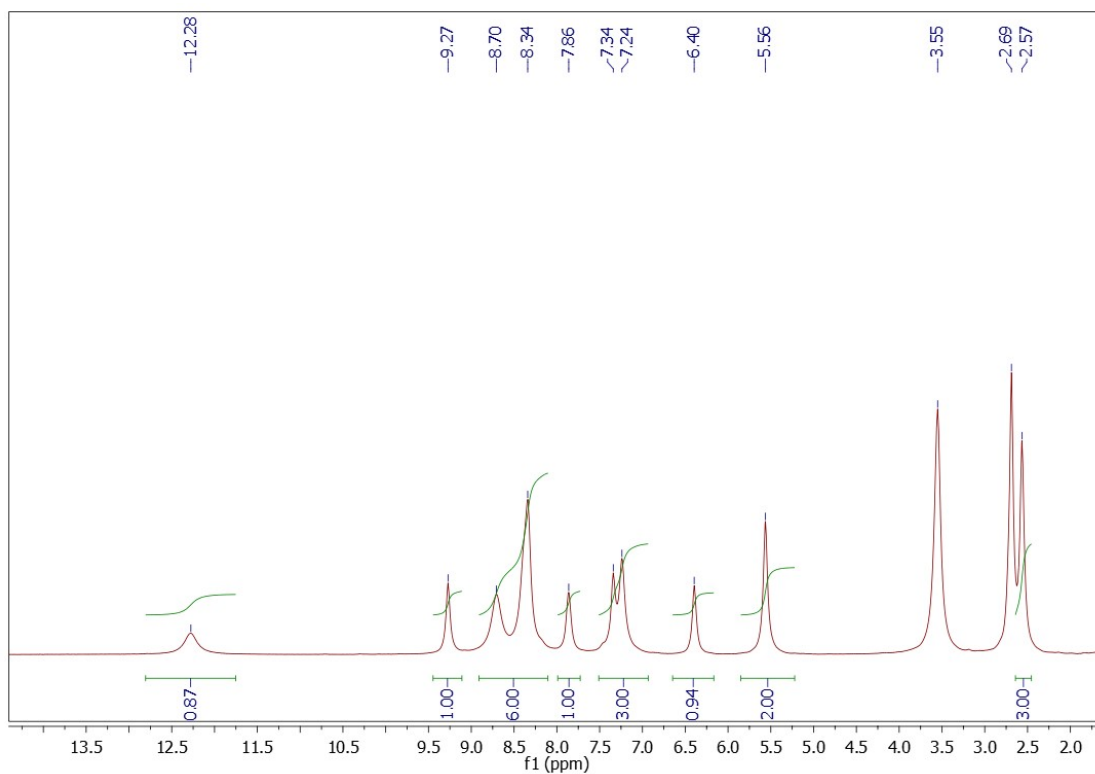


Figure S11: ^1H NMR spectrum of compound 5f.

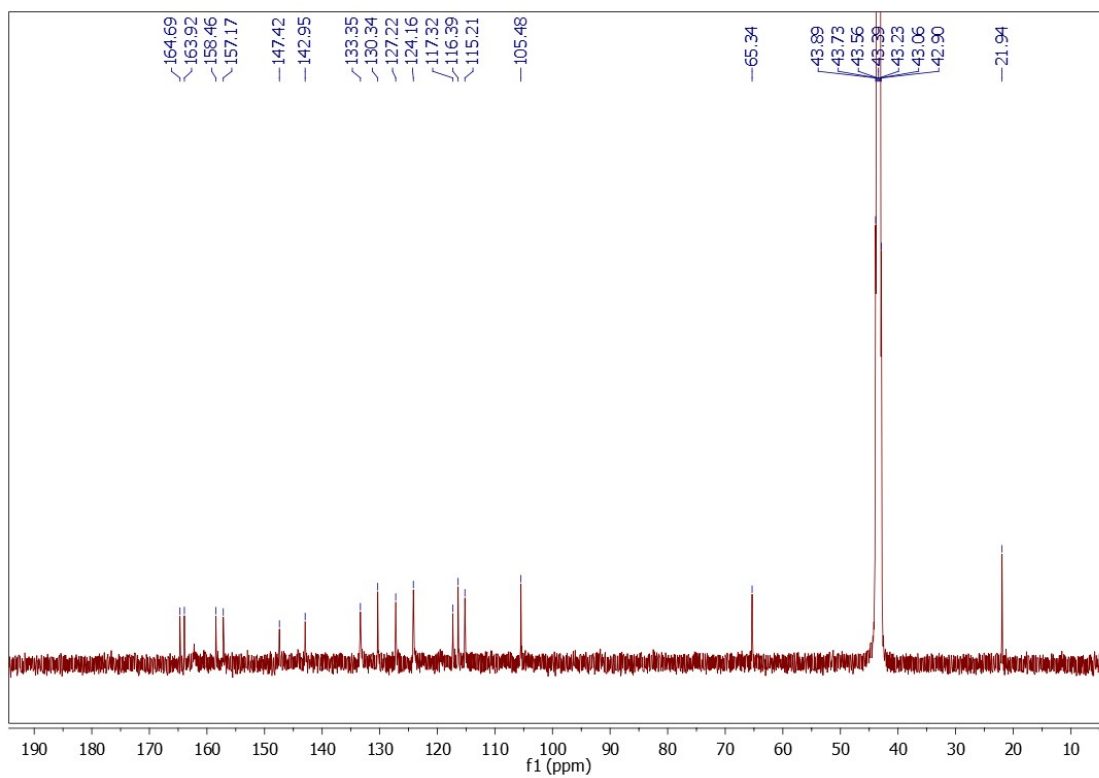


Figure S12: ^{13}C NMR spectrum of compound 5f.

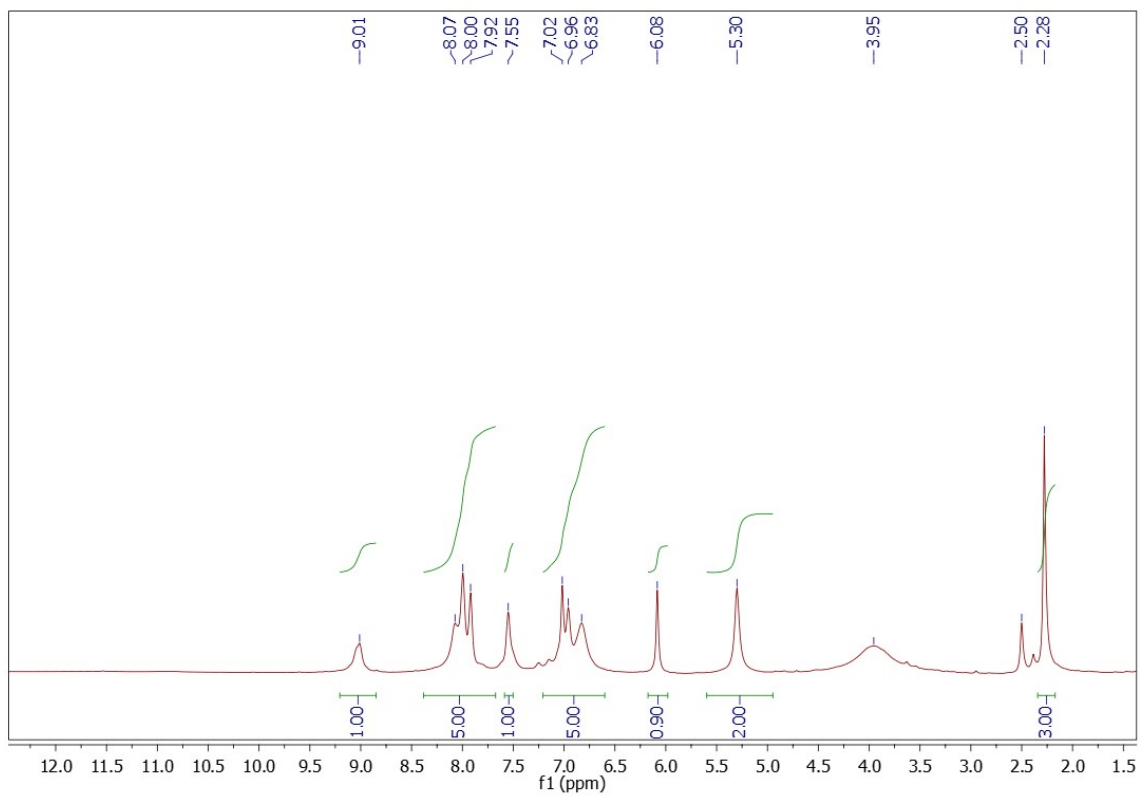


Figure S13: ^1H NMR spectrum of compound **5h**.

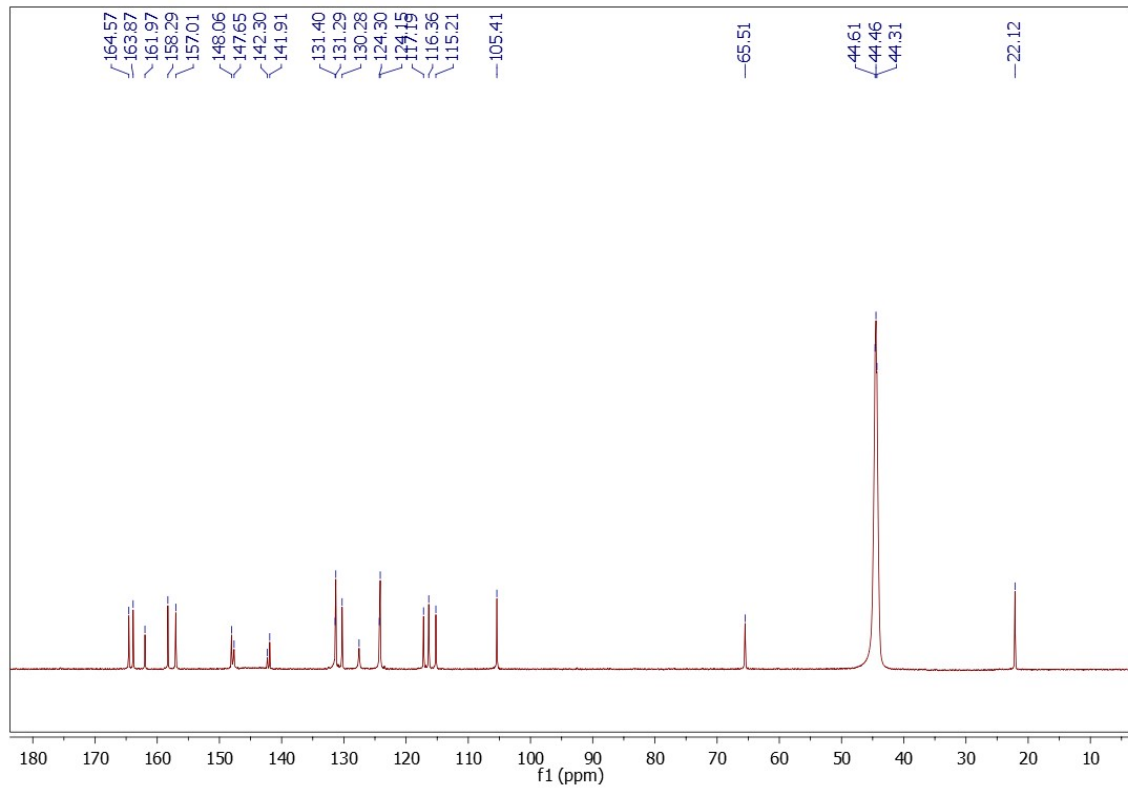


Figure S14: ^{13}C NMR spectrum of compound **5h**.

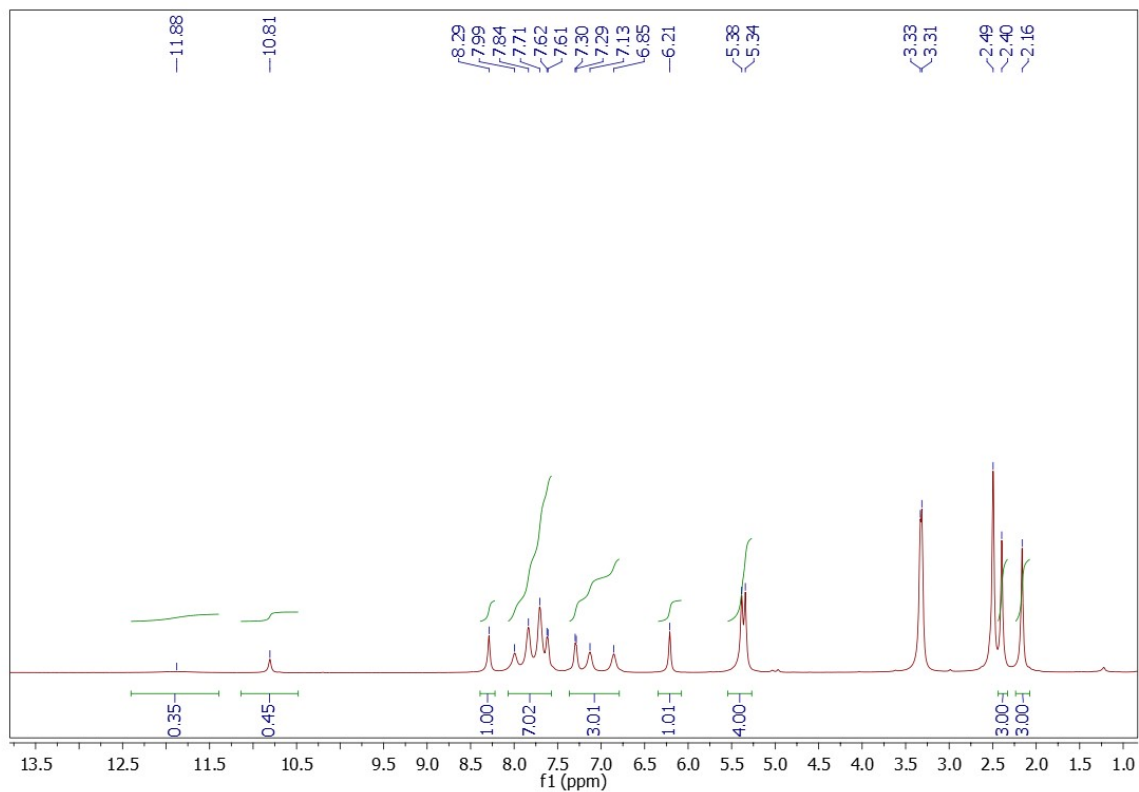


Figure S15: ^1H NMR spectrum of compound 7a.

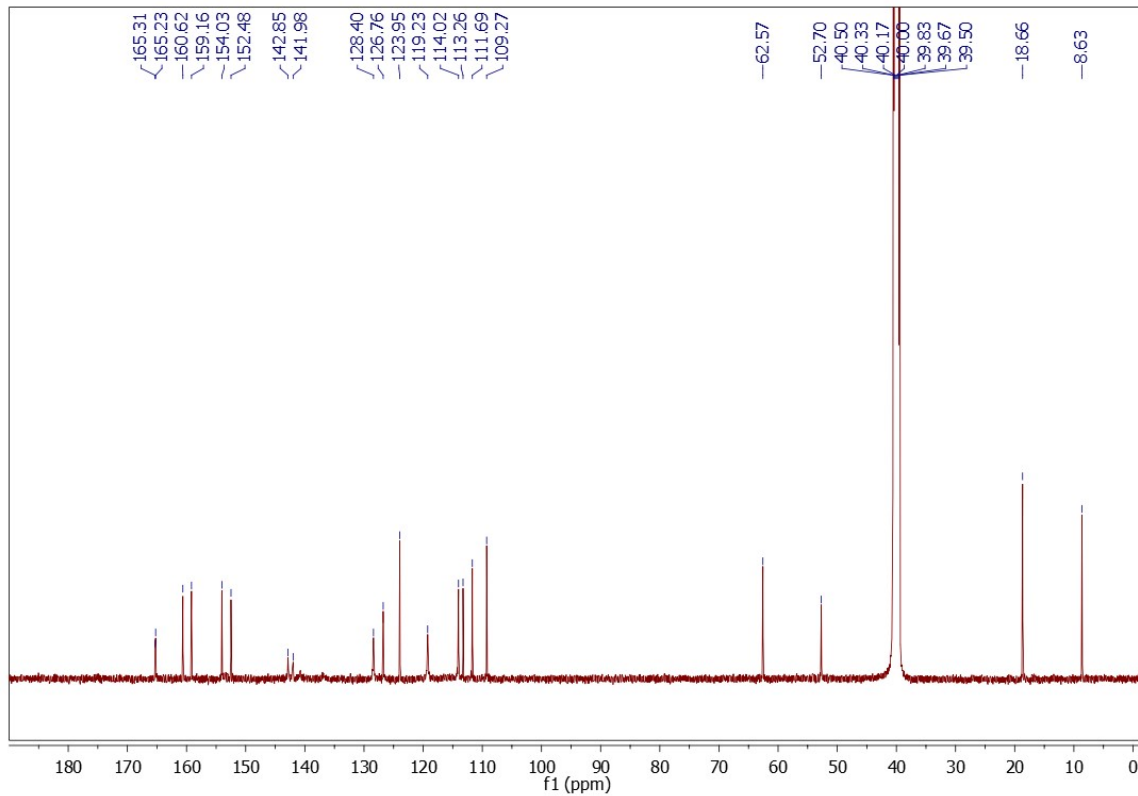


Figure S16: ^{13}C NMR spectrum of compound 7a.

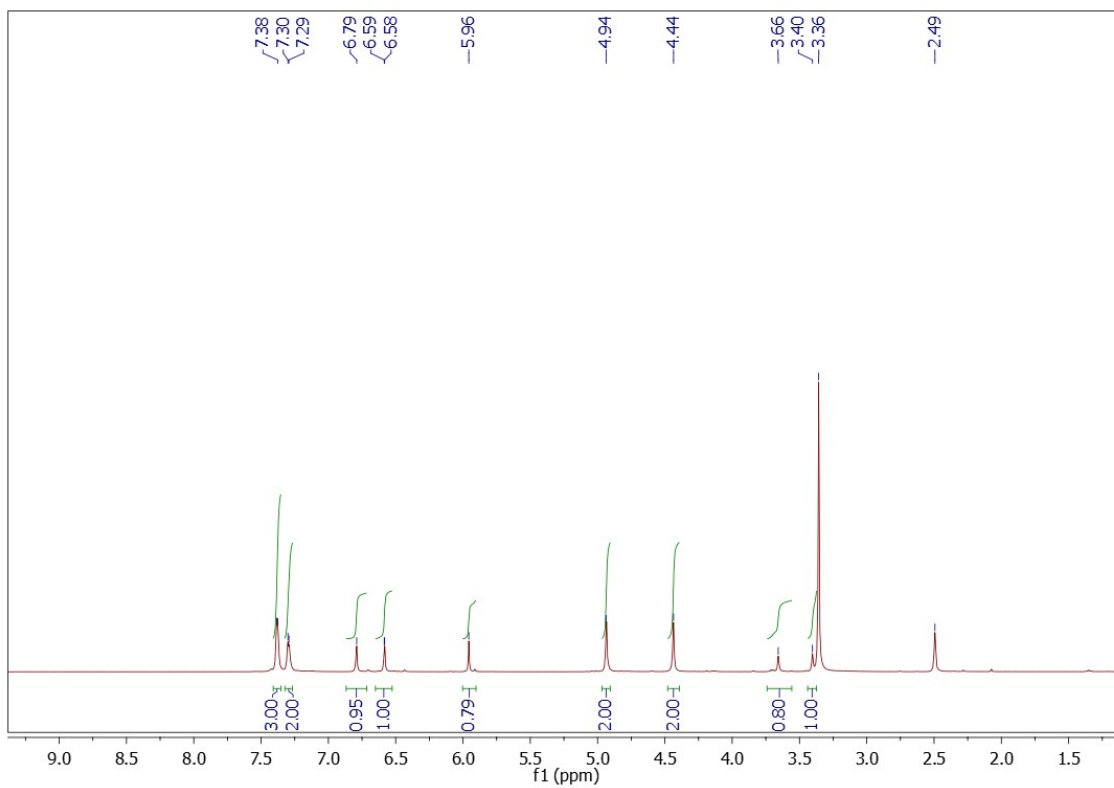


Figure S17: ^1H NMR spectrum of compound 9.

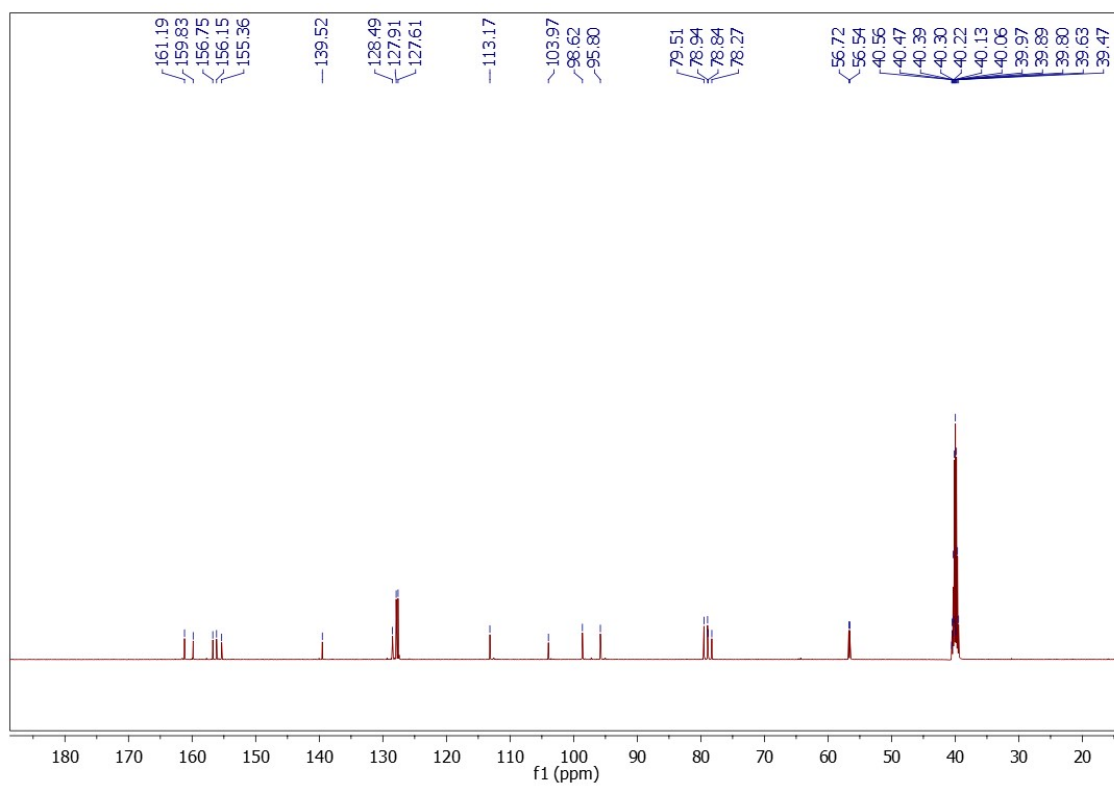


Figure S18: ^{13}C NMR spectrum of compound 9.

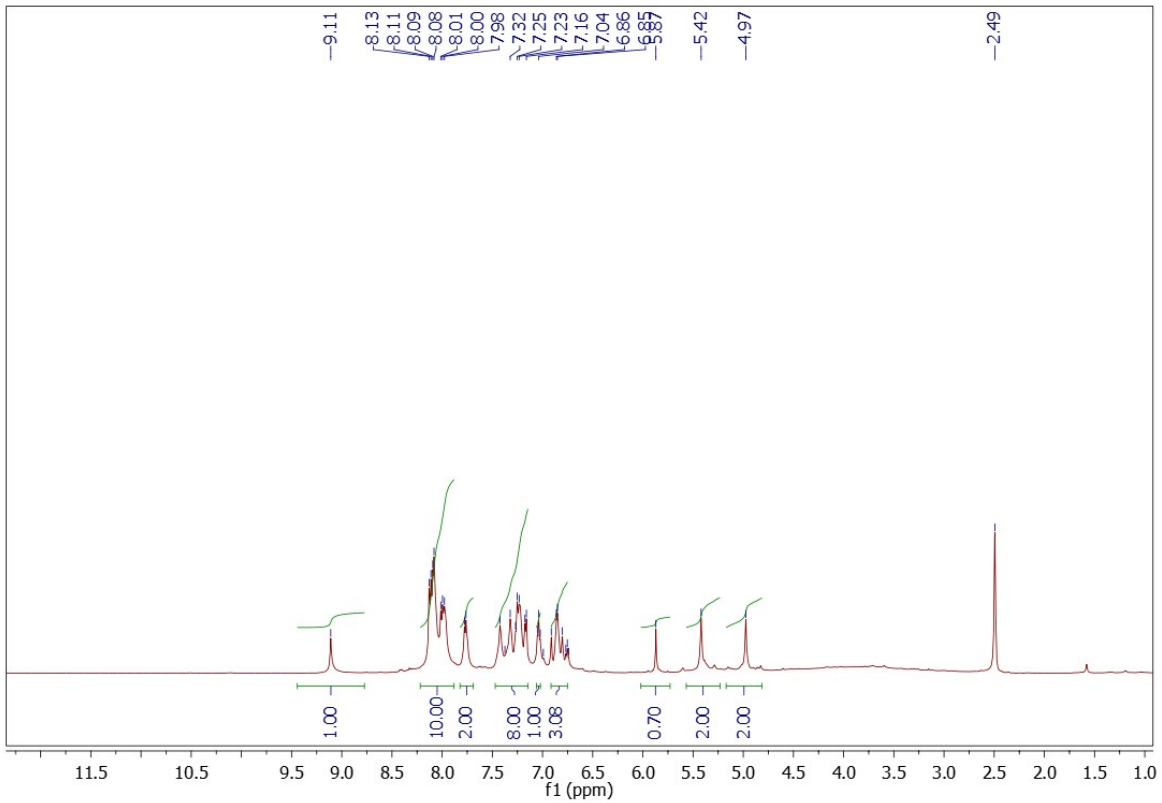


Figure S19: ^1H NMR spectrum of compound 10a.

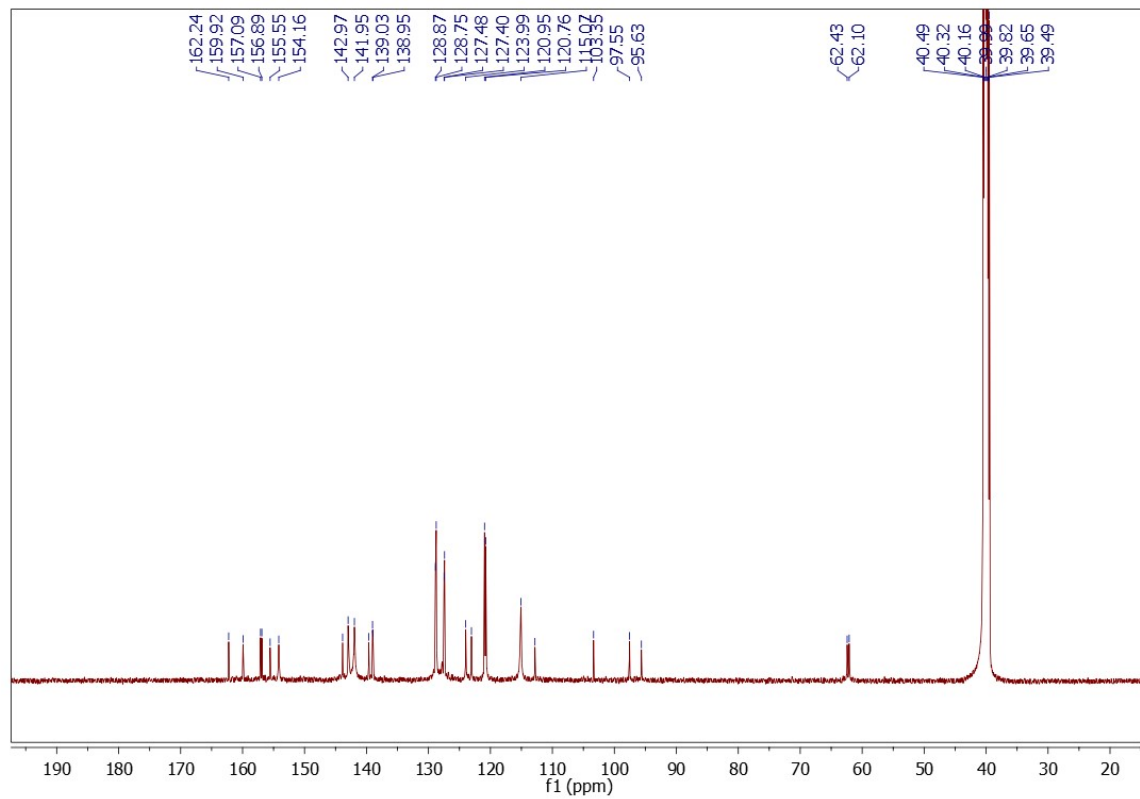


Figure S20: ^{13}C NMR spectrum of compound 10a.

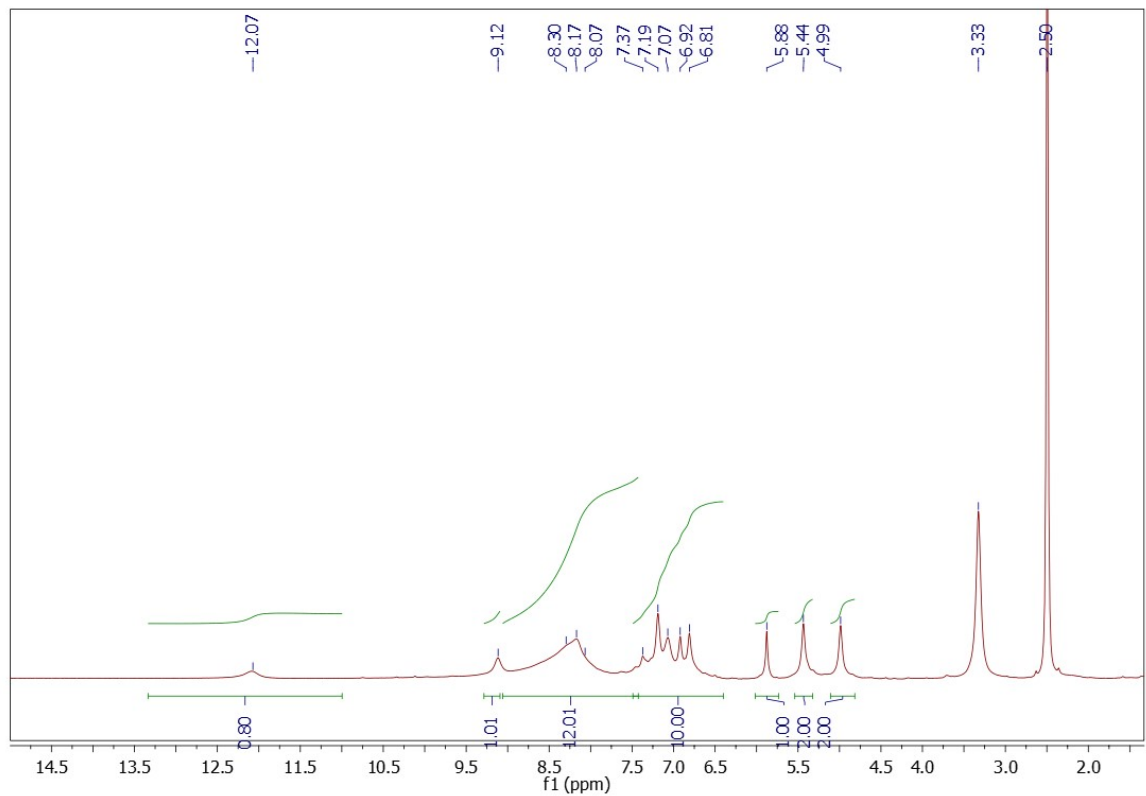


Figure S21: ^1H NMR spectrum of compound **10b**.

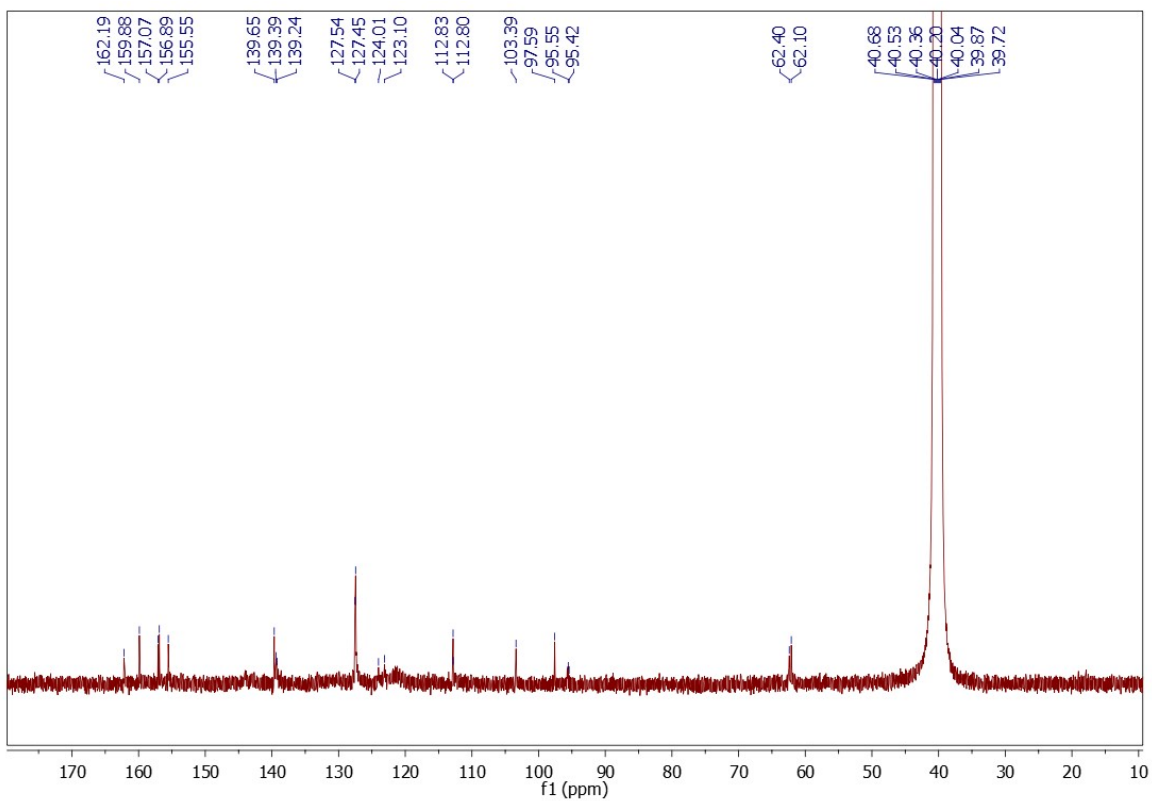


Figure S22: ^{13}C NMR spectrum of compound **10b**.