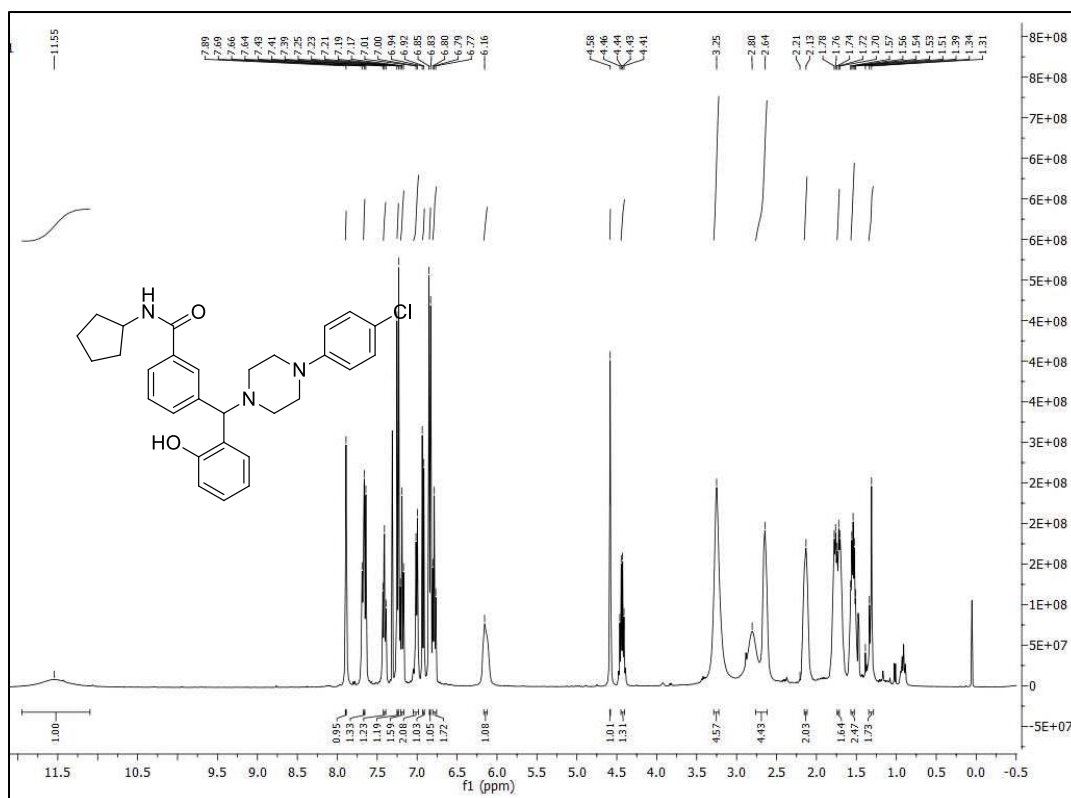


**Investigation of NPB analogs that target phosphorylation of BAD-Ser99 in human
mammary carcinoma cells**

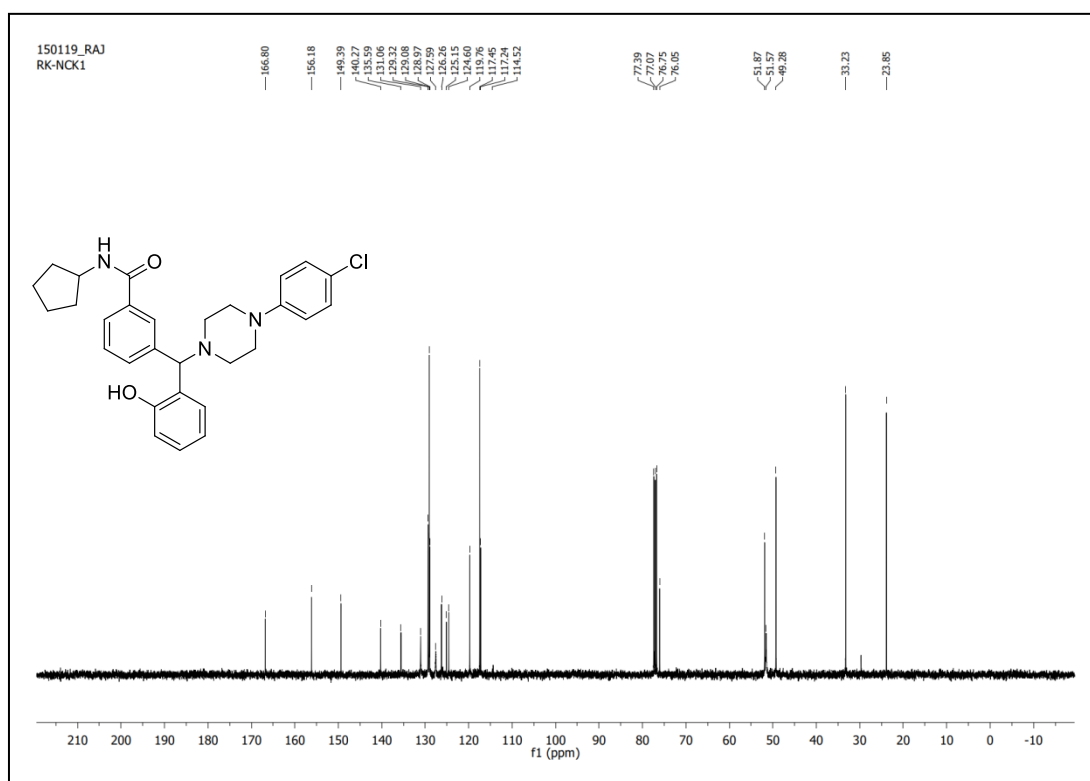
Swamy Savvemala Girimanchanaika, Dukanya Dukanya, Ananda Swamynayak, Divya
Maldepalli Govindachar, Mahendra Madegowda, Ganga Periyasamy, Kanchugarakoppal
Subbegowda Rangappa, Vijay Pandey, Peter E. Lobie, Basappa Basappa

Supplementary Information

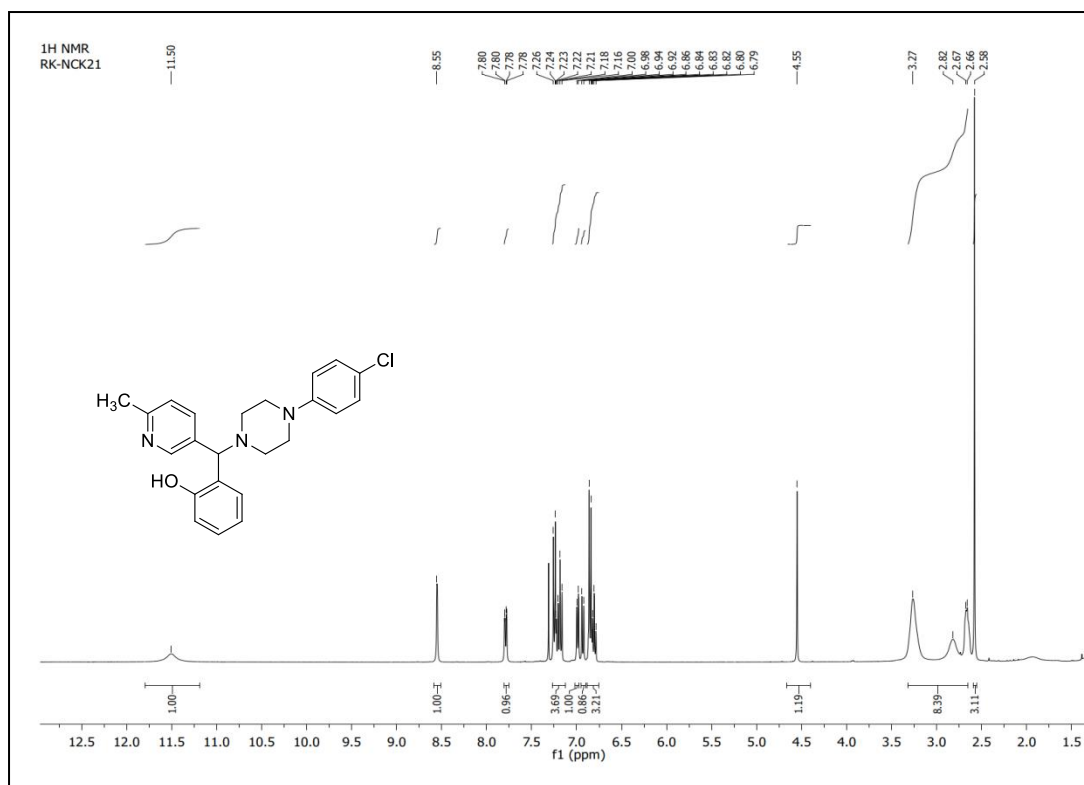
^1H NMR, ^{13}C NMR, Mass of NPB analogs



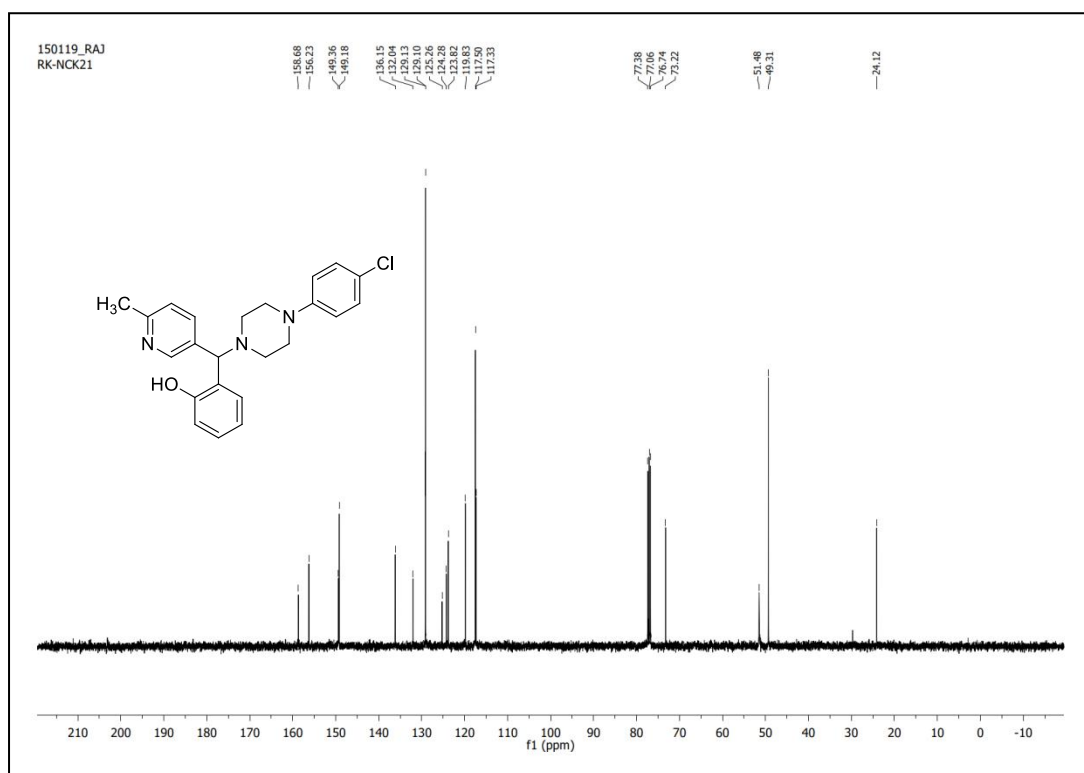
S1: ¹H NMR spectrum of compound **4a**



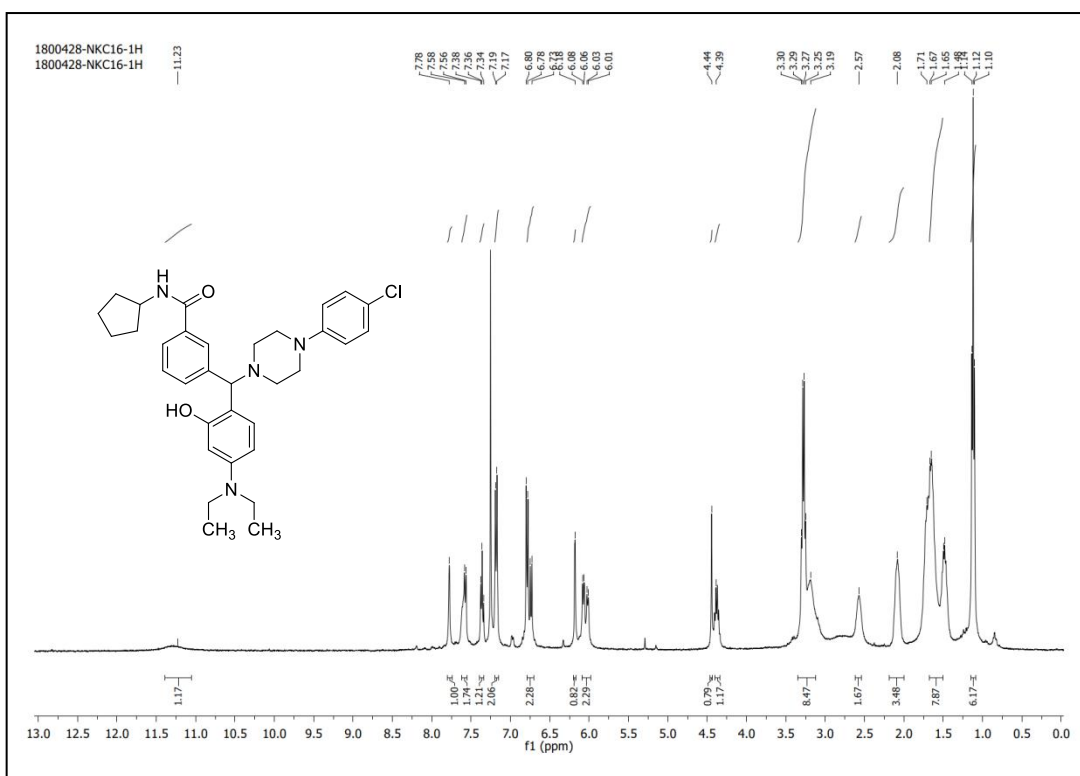
S2: ¹³C NMR spectrum of compound **4a**



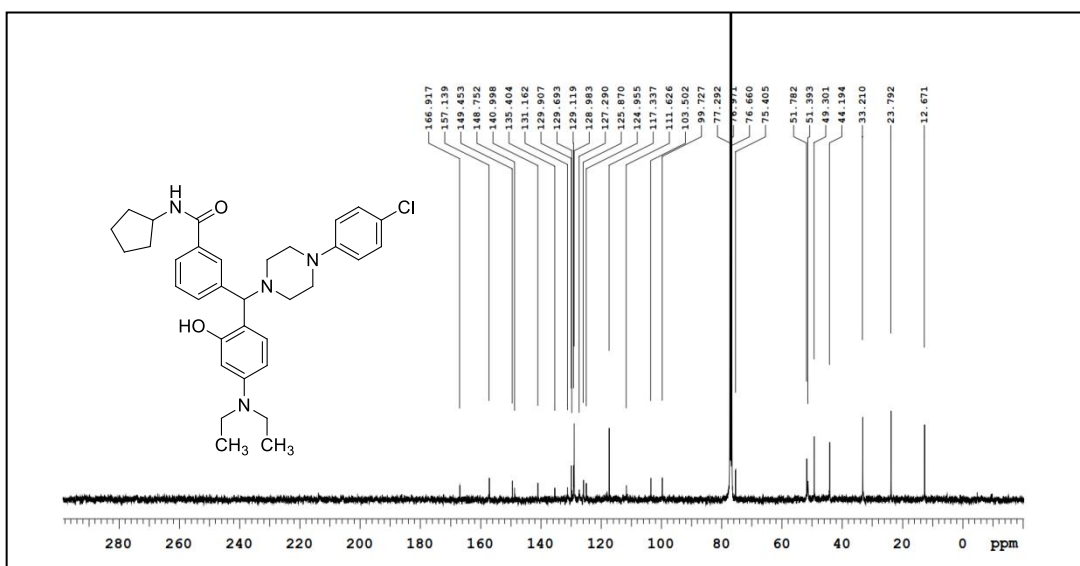
S3: ^1H NMR spectrum of compound **4b**



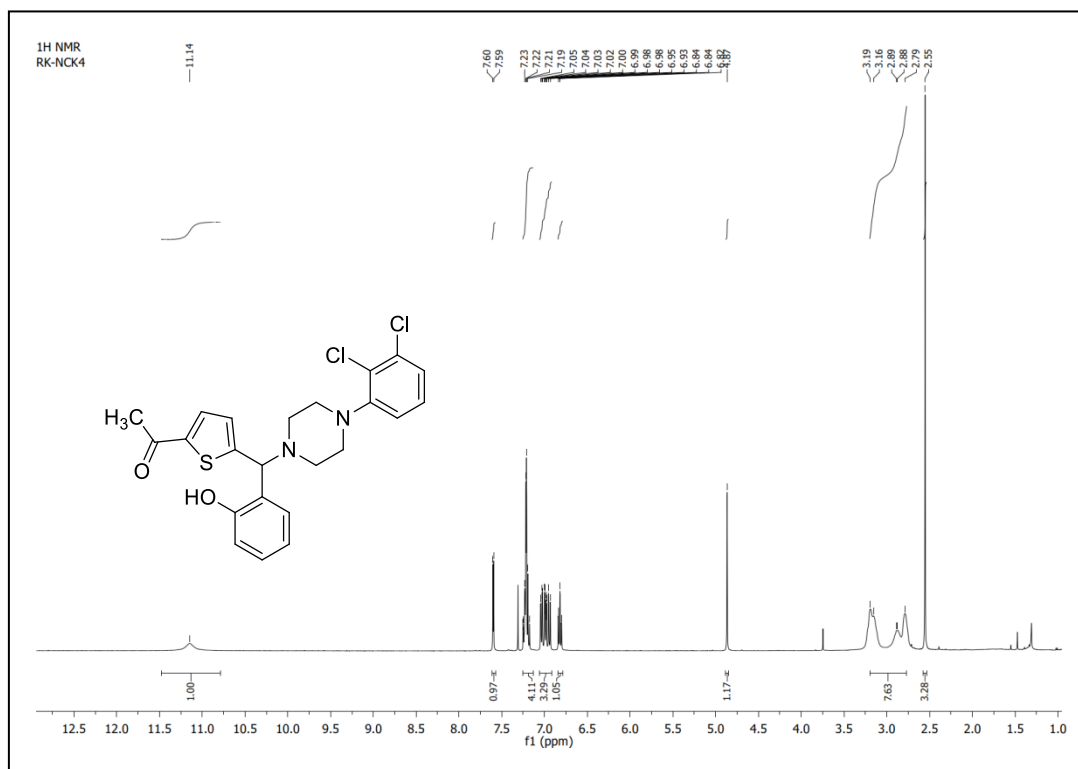
S4: ^{13}C NMR spectrum of compound **4b**



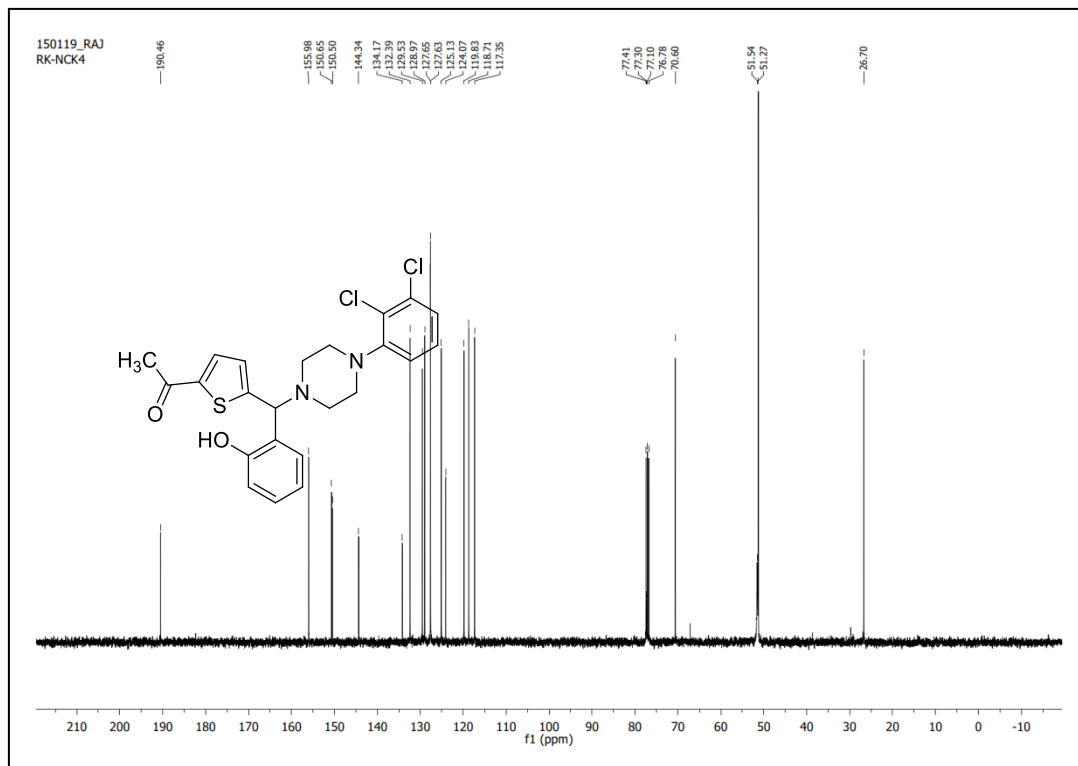
S5: ^1H NMR spectrum of compound **4c**



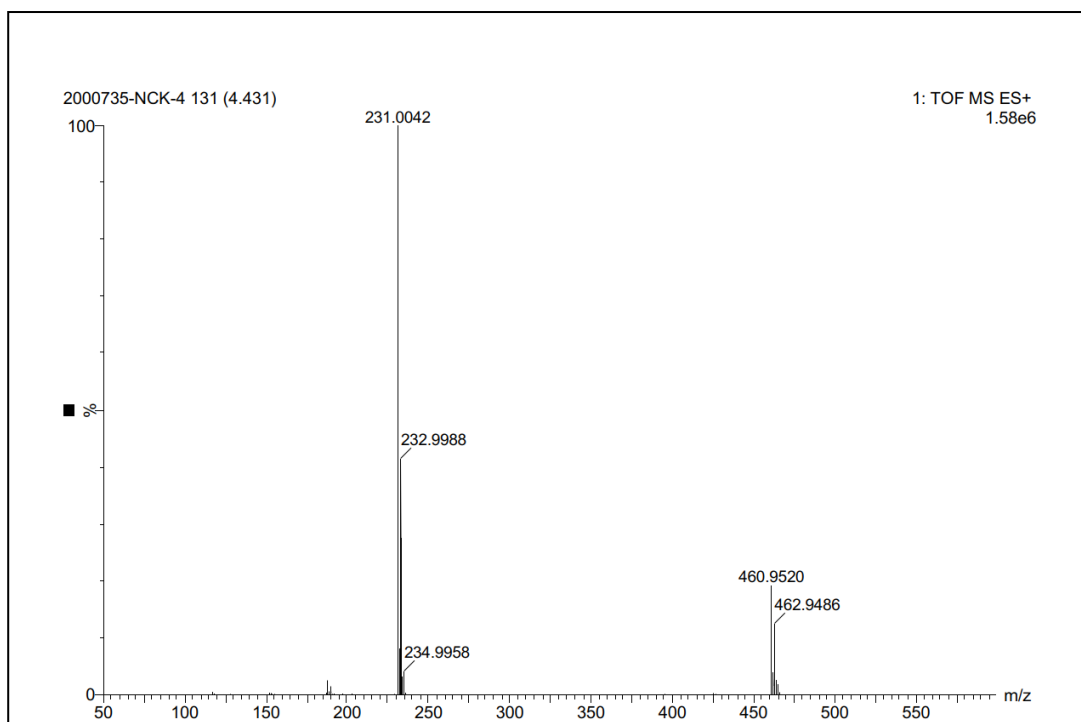
S6: ^{13}C NMR spectrum of compound **4c**



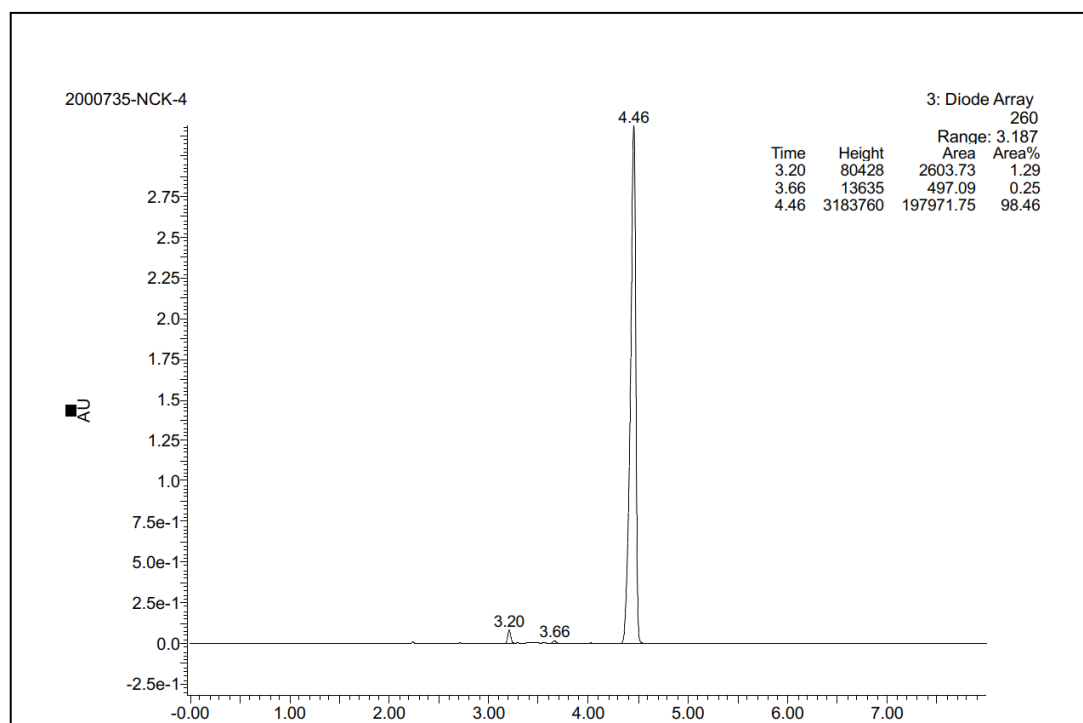
S7: ^1H NMR spectrum of compound **4d**



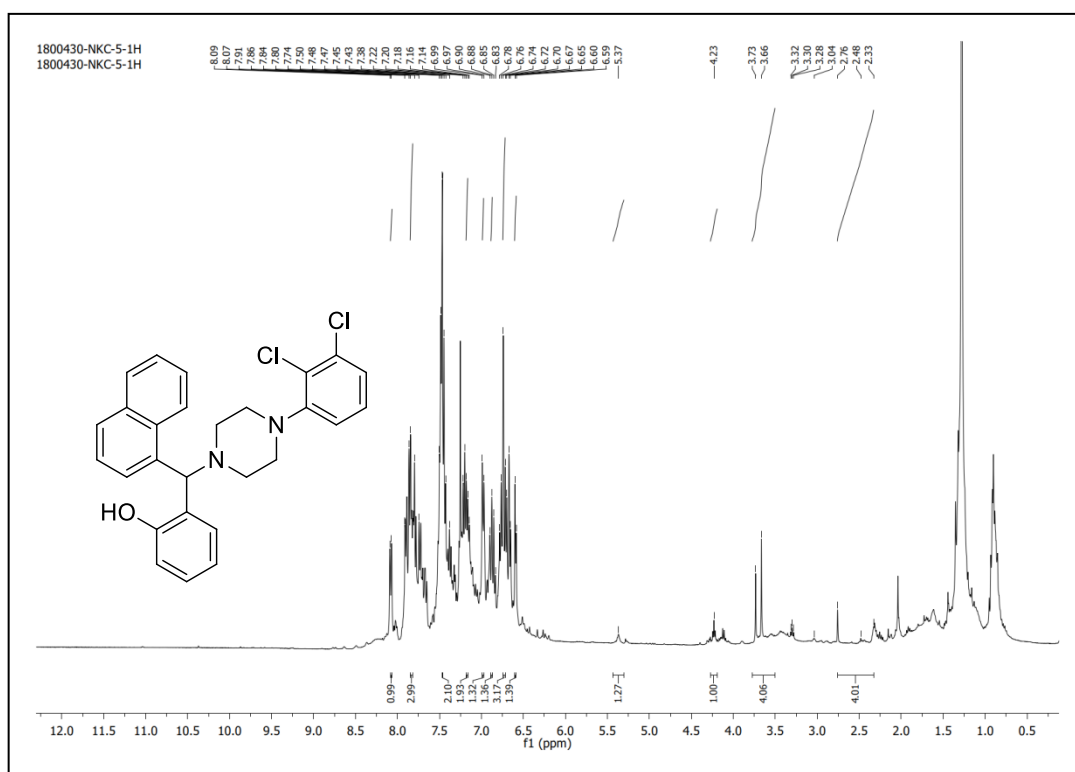
S8: ^{13}C NMR spectrum of compound **4d**



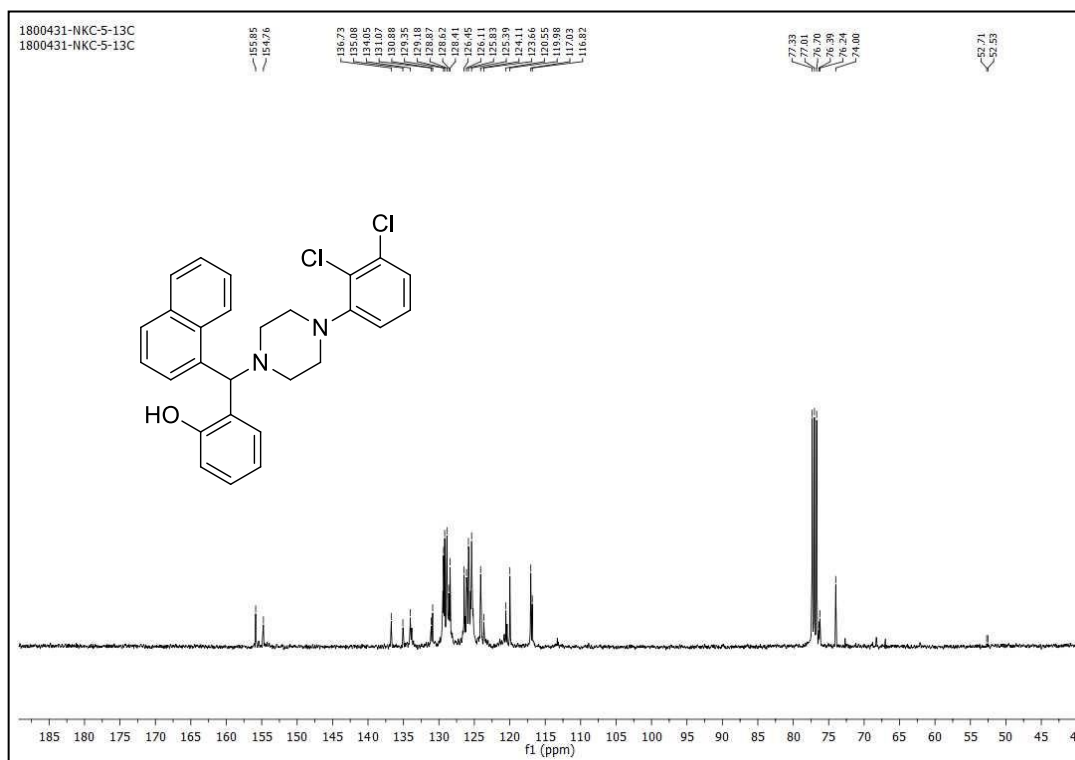
S9:Mass spectrum of compound **4d**



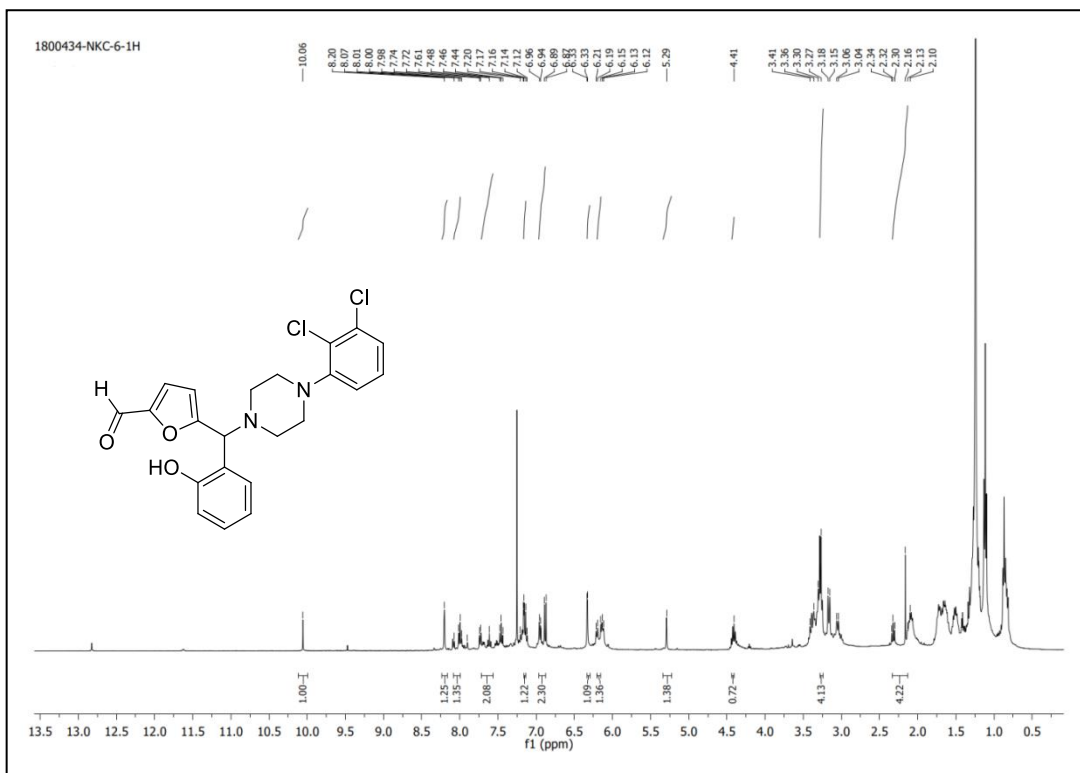
S10:LC chromatogram of compound **4d**



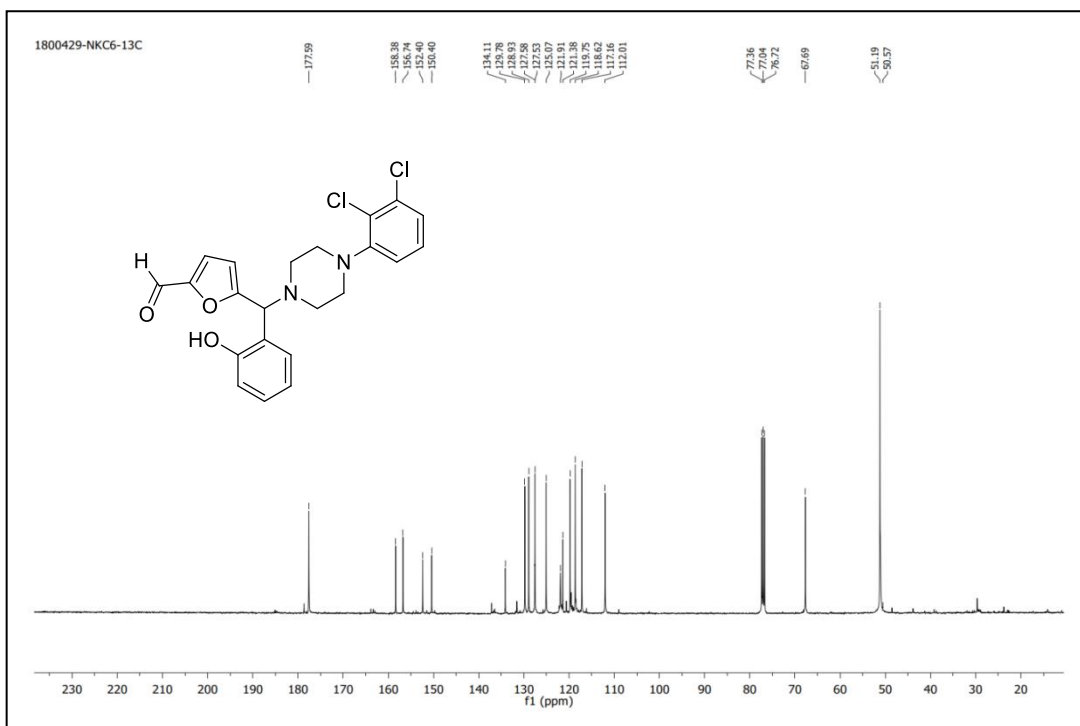
S11: ¹H NMR spectrum of compound **4e**



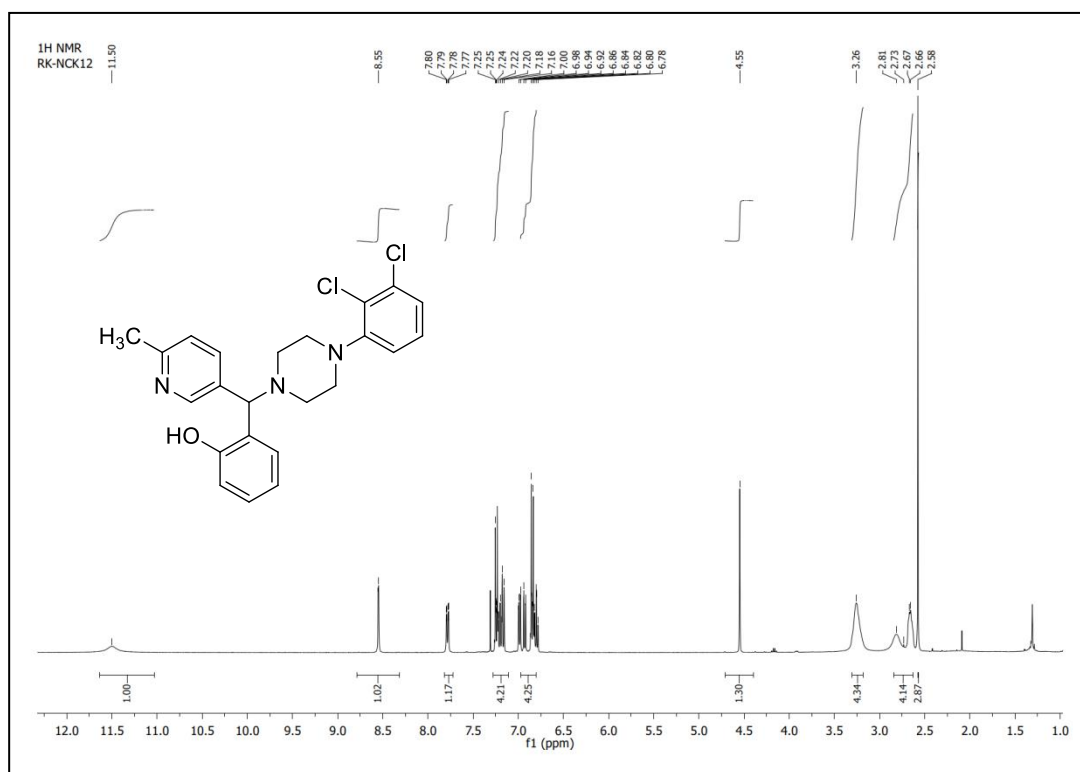
S12: ¹³C NMR spectrum of compound **4e**



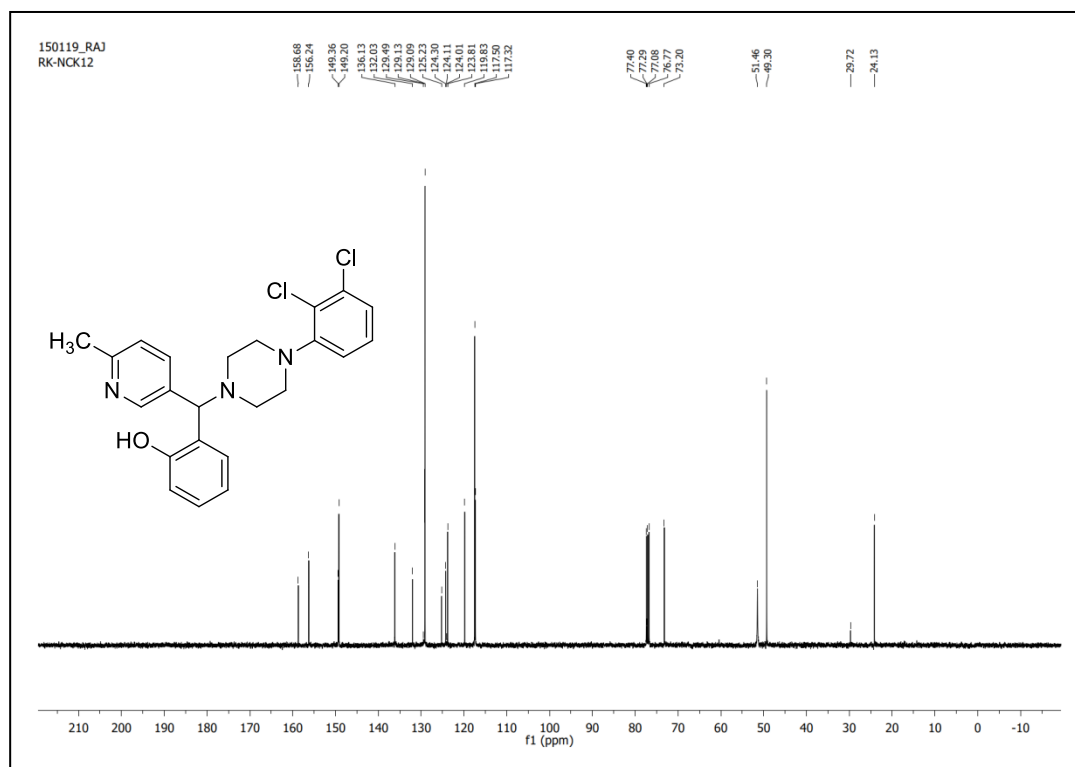
S13: ^1H NMR spectrum of compound **4f**



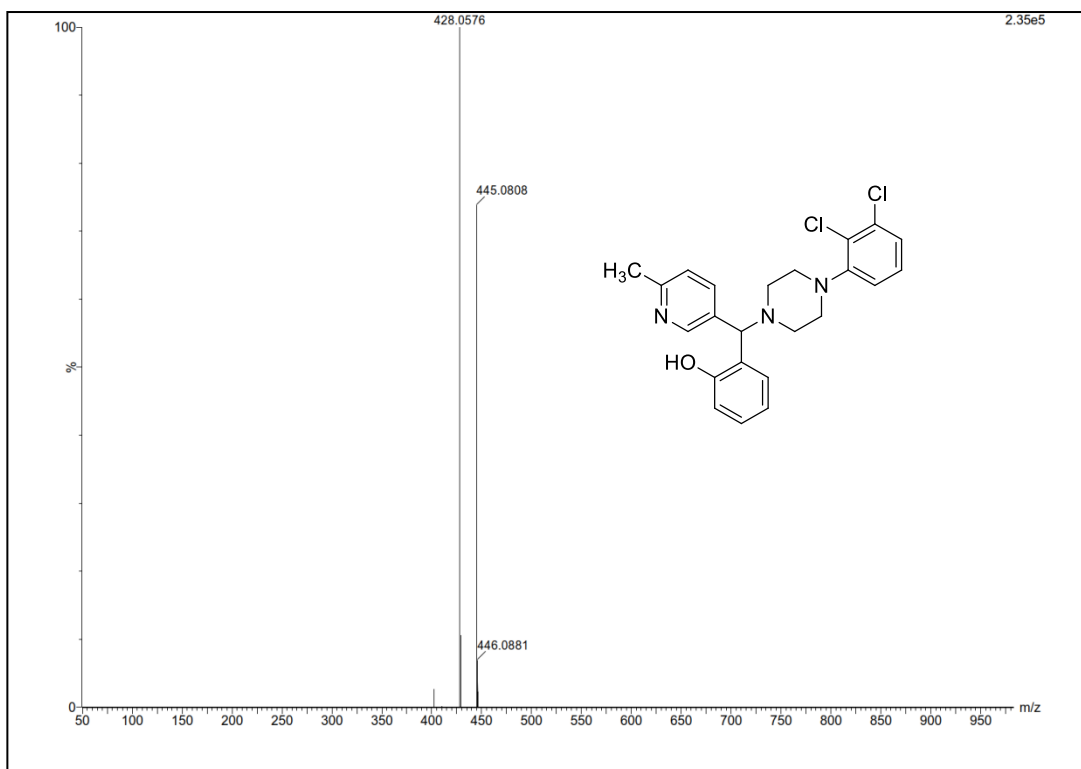
S14: ^{13}C NMR spectrum of compound **4f**



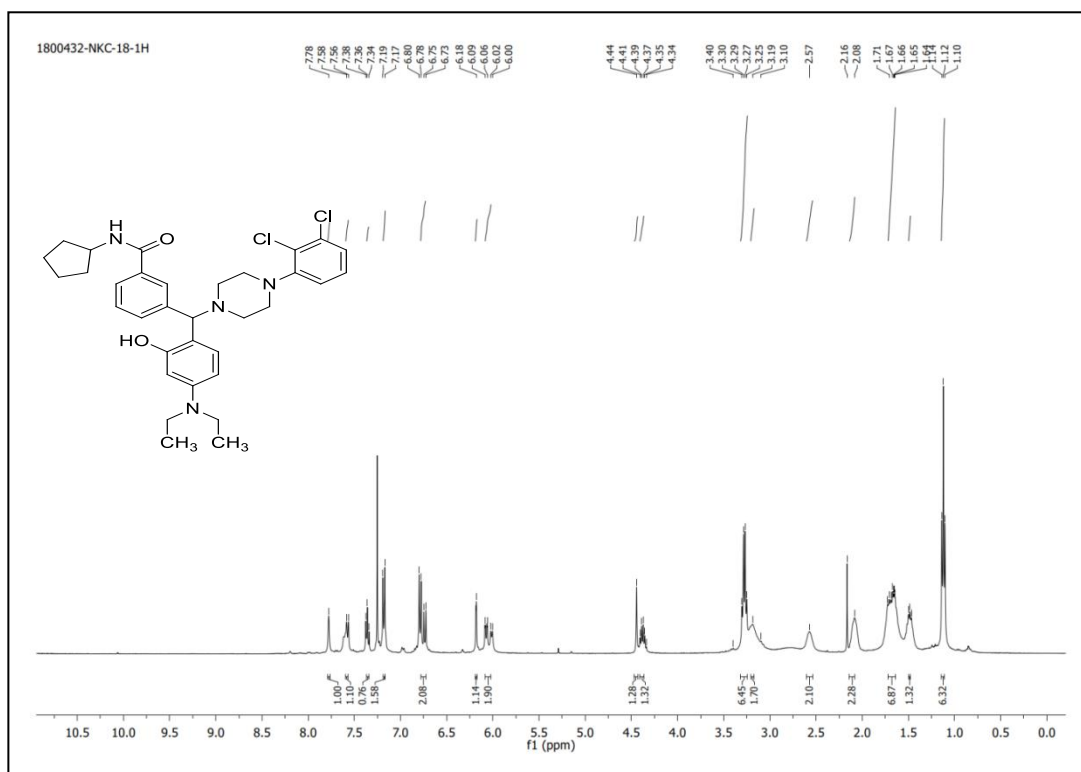
S15: ^1H NMR spectrum of compound **4g**



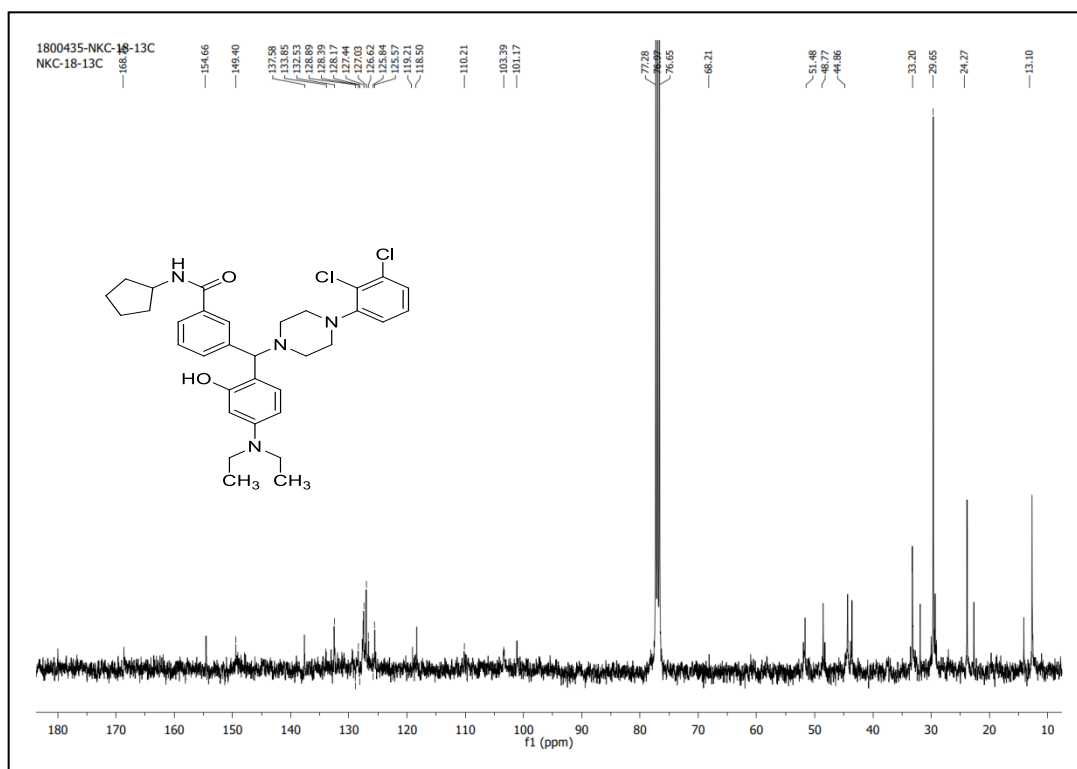
S16: ^{13}C NMR spectra of compound **4g**



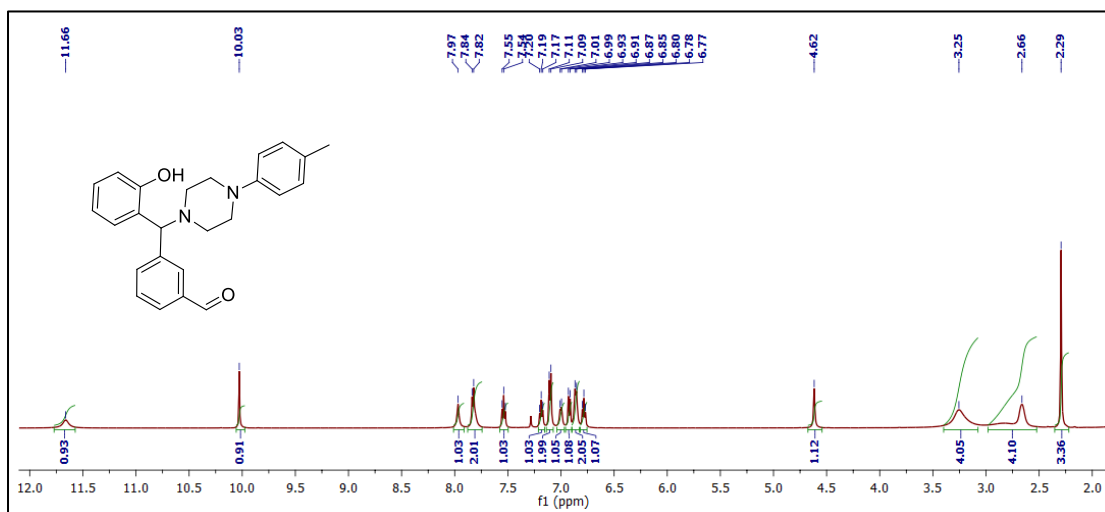
S17: Mass spectrum of compound **4g**



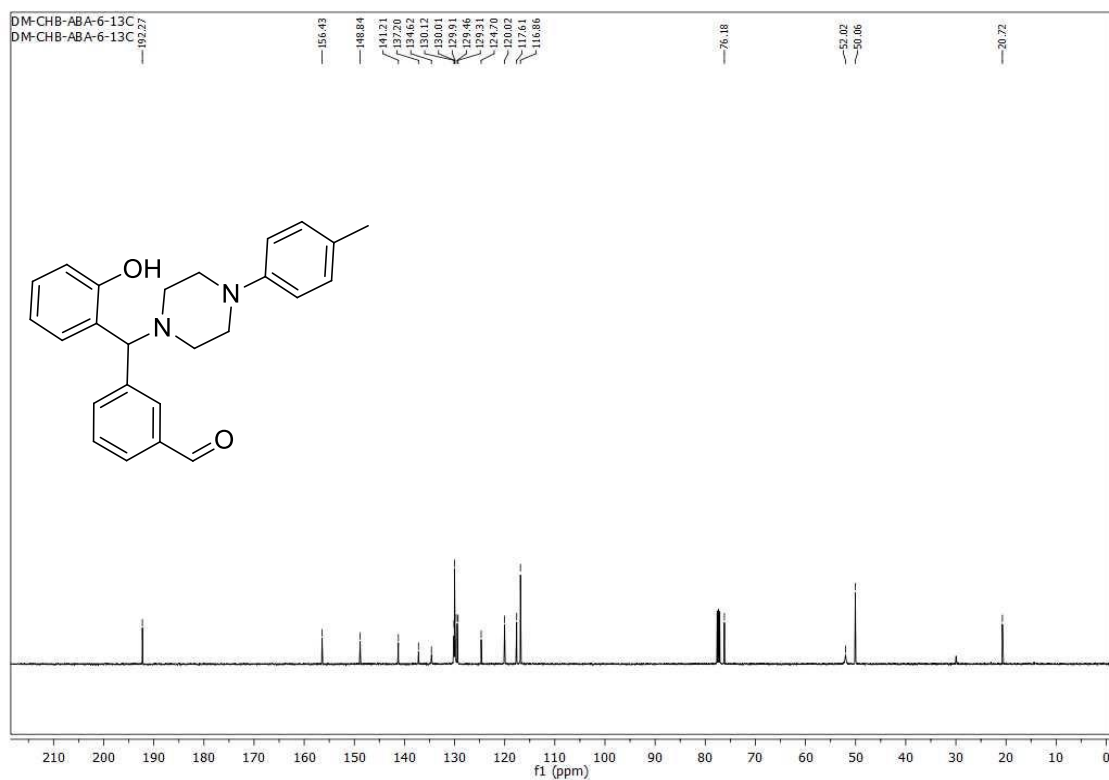
S18: ¹H NMR spectrum of compound **4h**



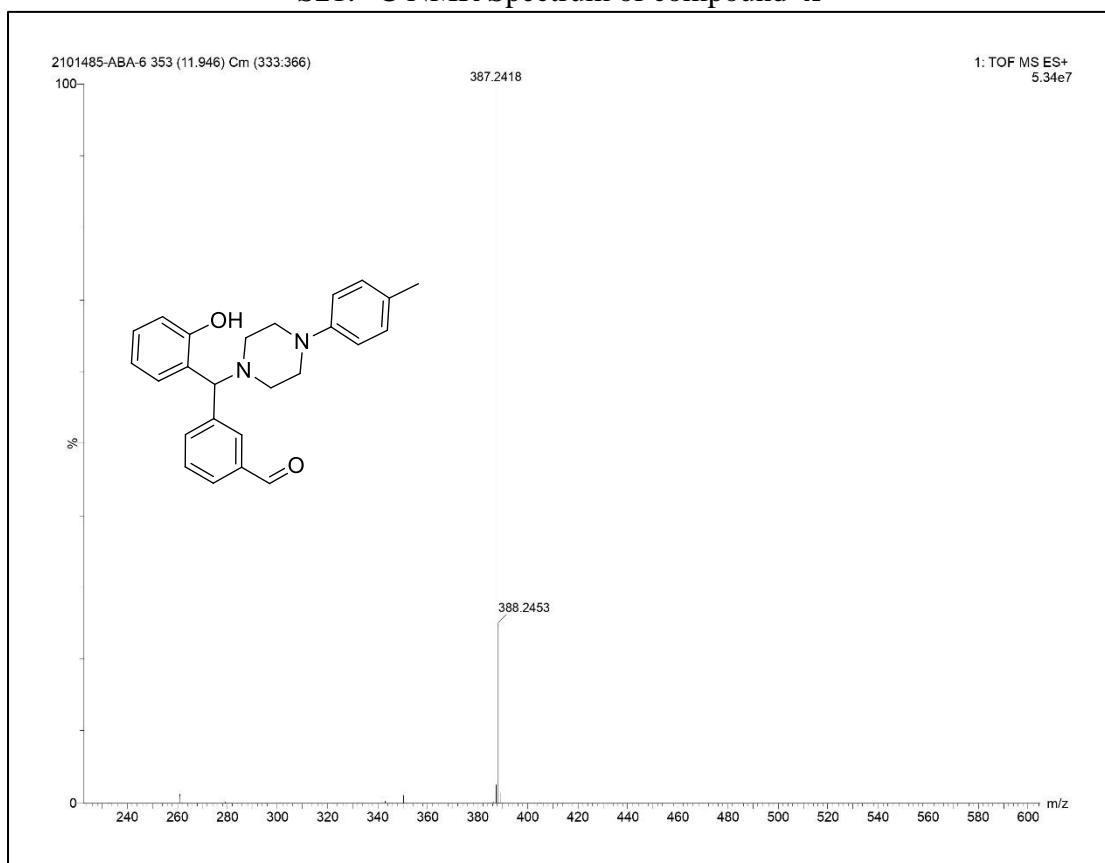
S19:¹³ C NMR Spectrum of compound **4h**



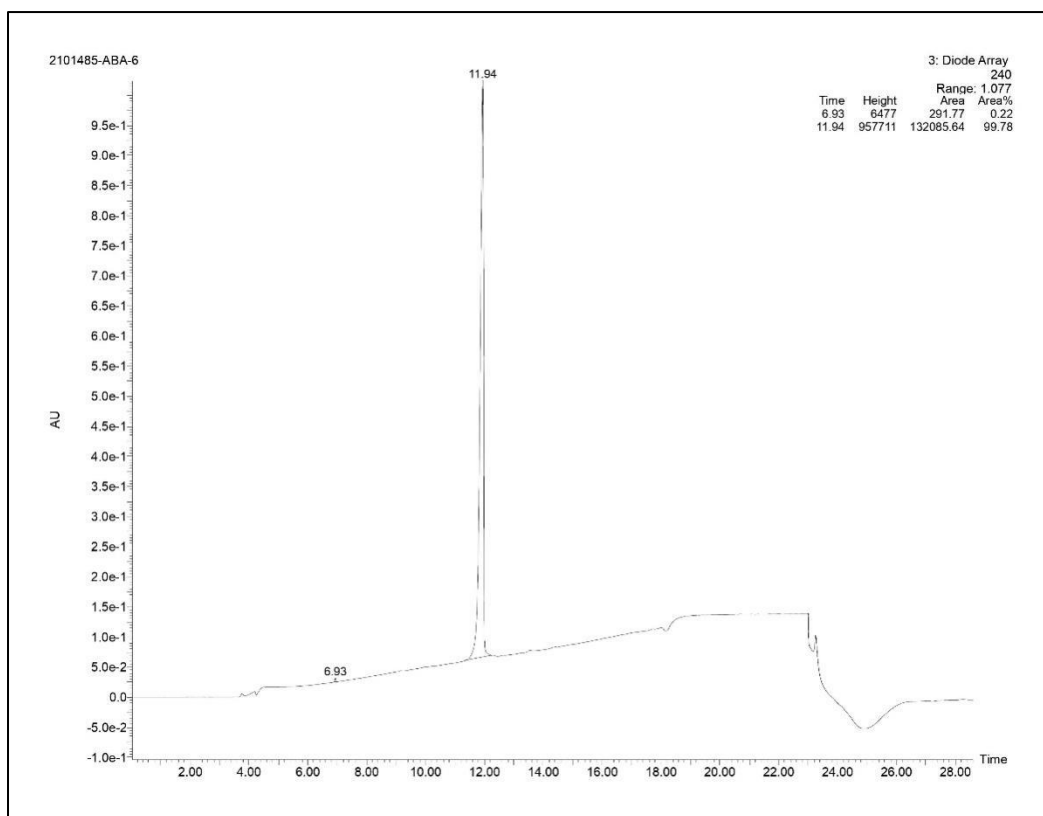
Sp20:¹H NMR Spectrum of compound **4i**



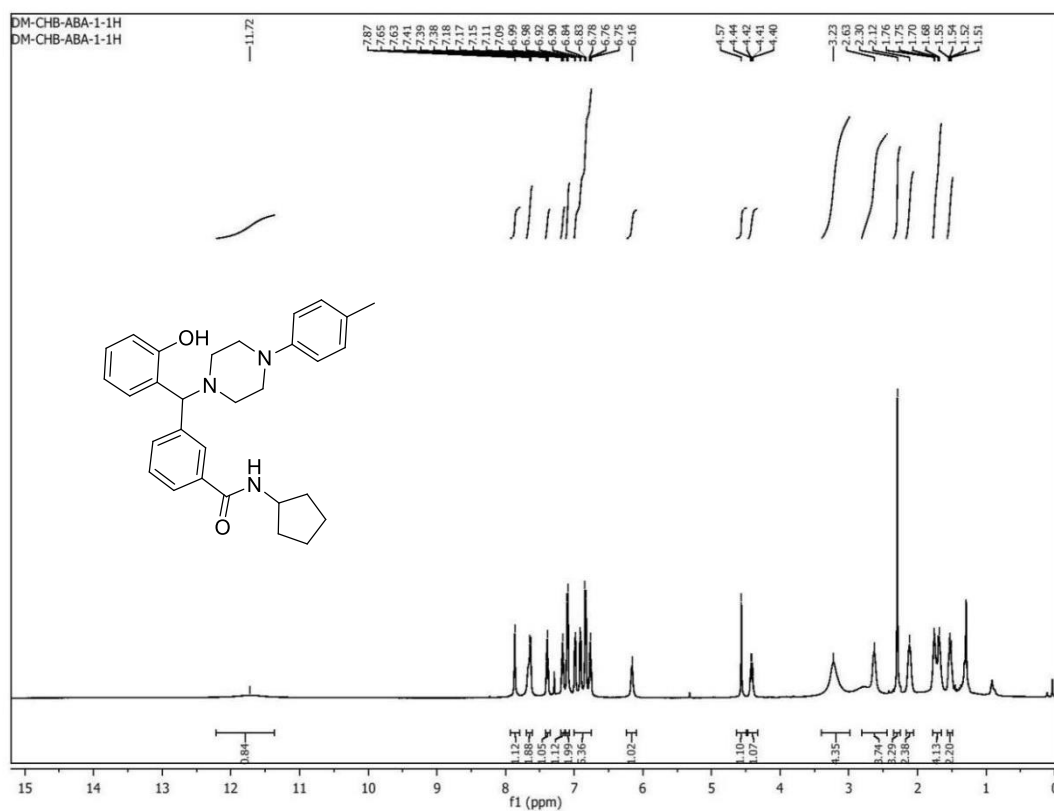
S21: ^{13}C NMR Spectrum of compound **4i**



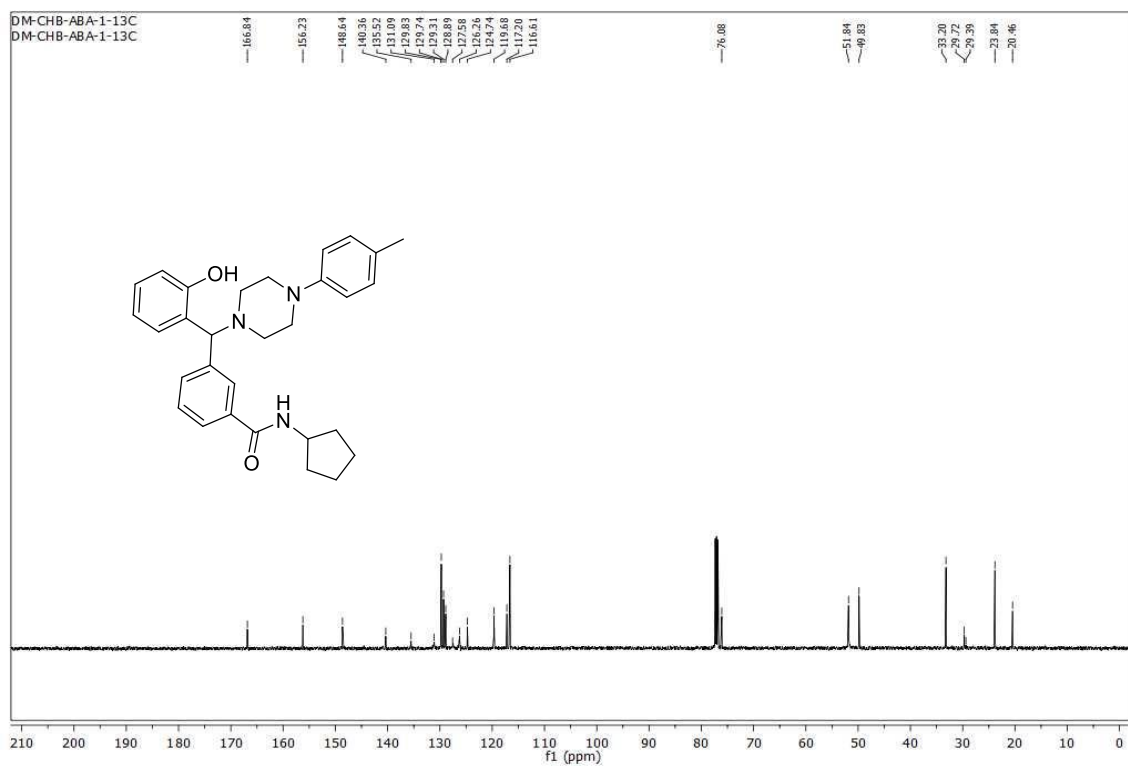
S22: Mass spectrum of compound **4i**



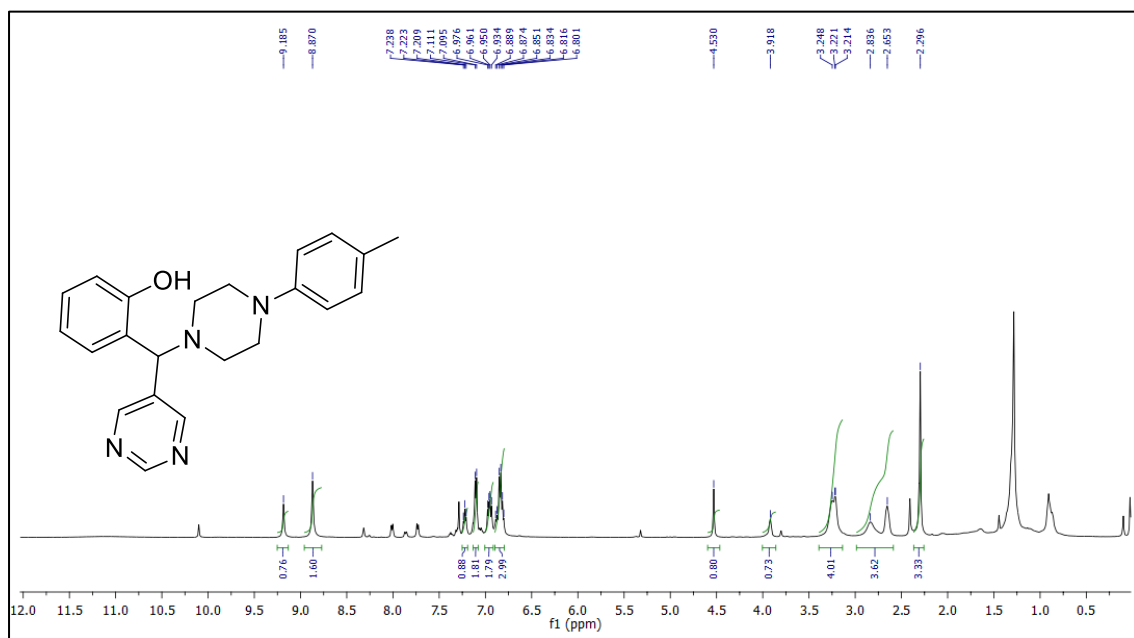
S23: HPLC Spectrum of compound **4i**



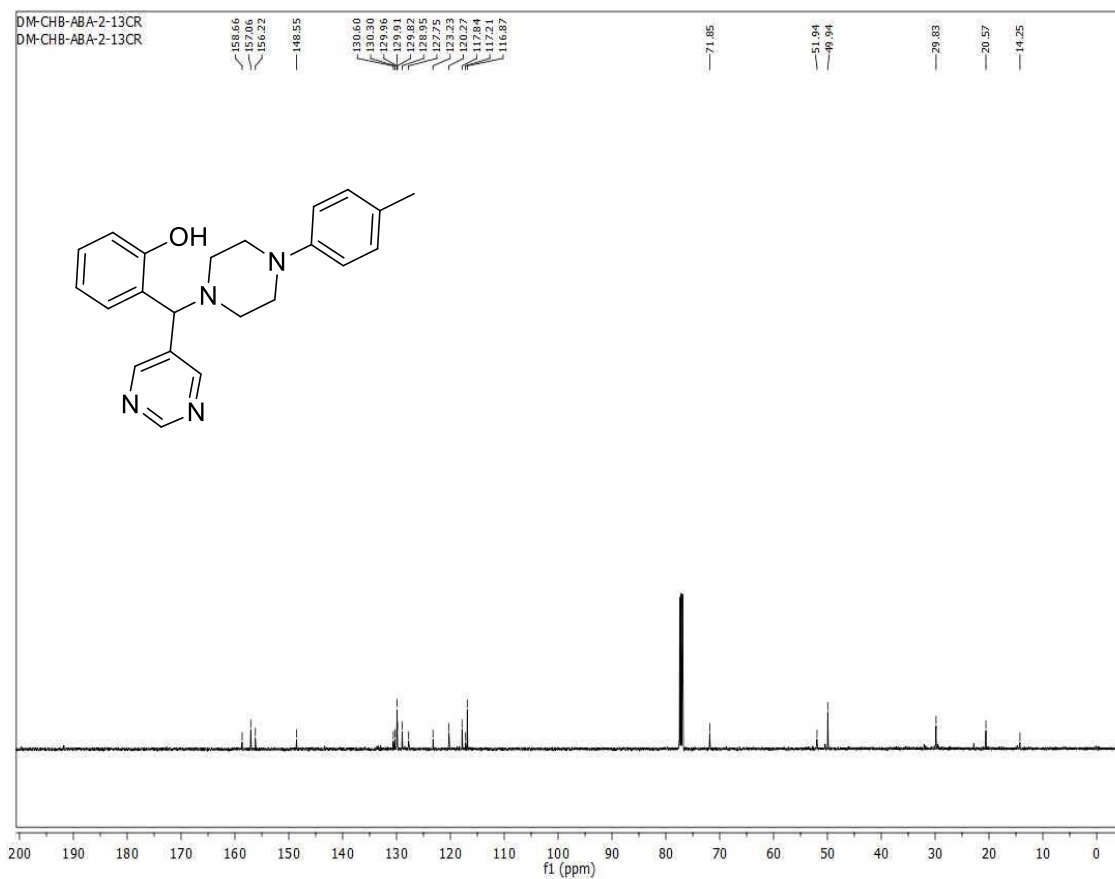
S24: ^1H NMR Spectrum of compound **4j**



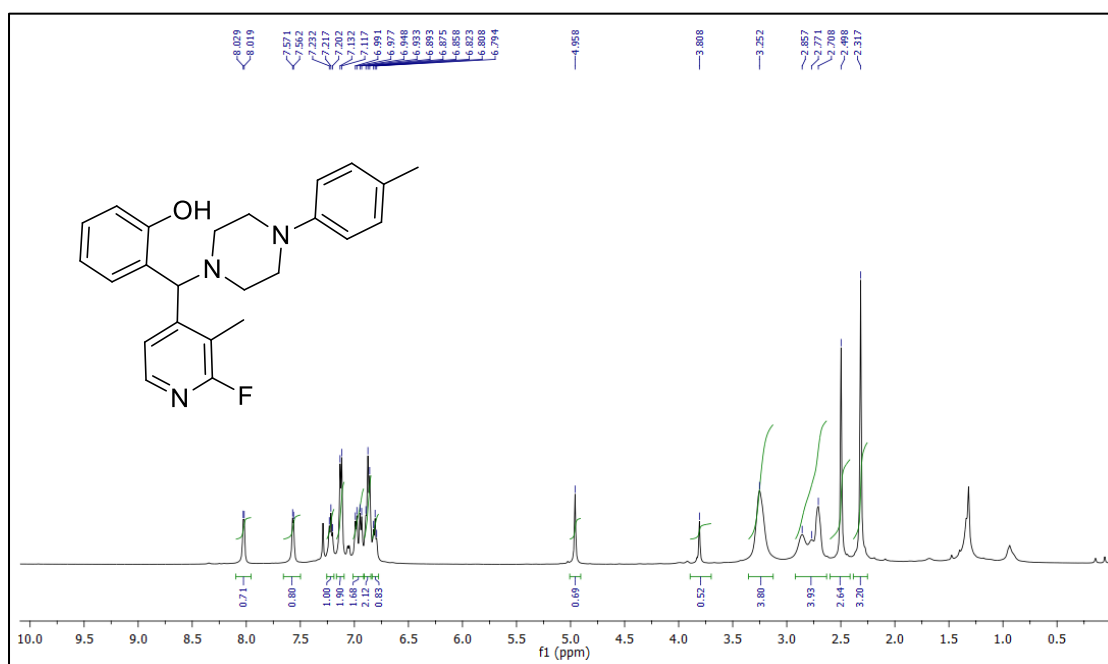
S25: ^{13}C NMR Spectrum of compound **4j**



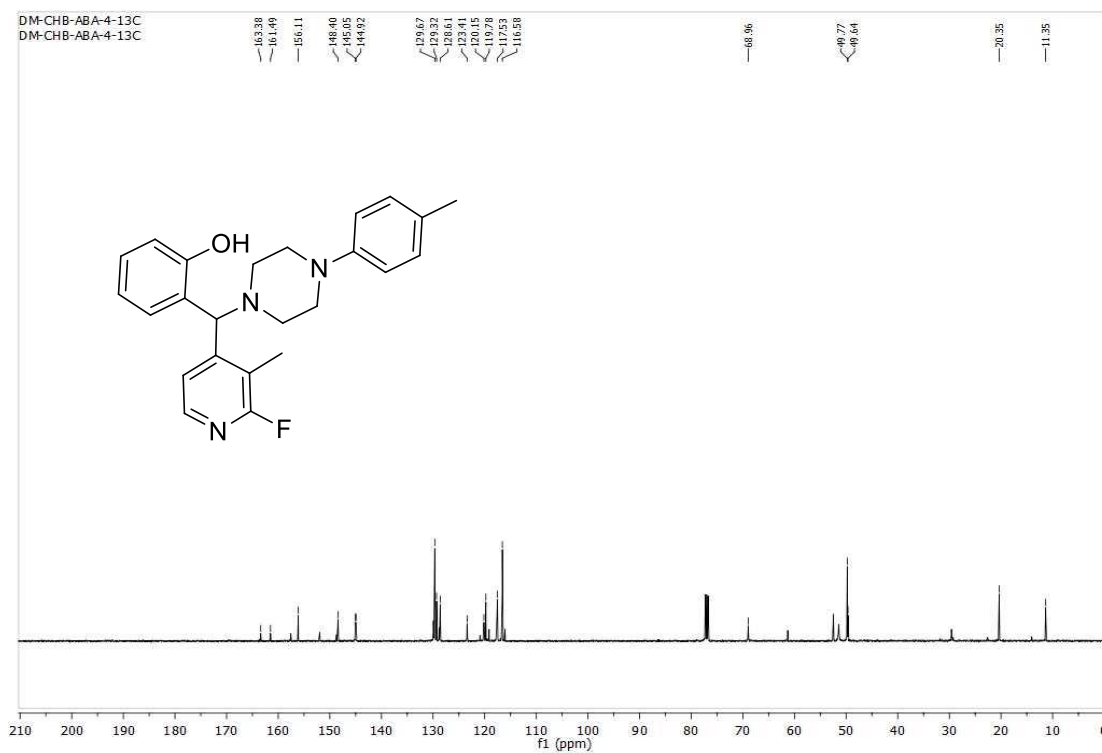
S26: ^1H NMR Spectrum of compound **4k**



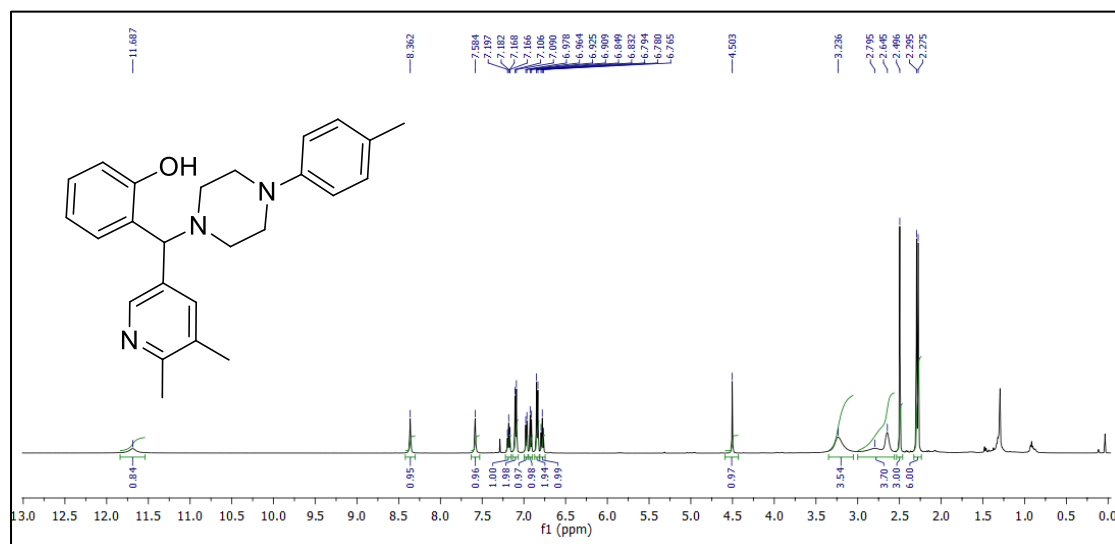
S27: ^{13}C NMR Spectrum of compound **4k**



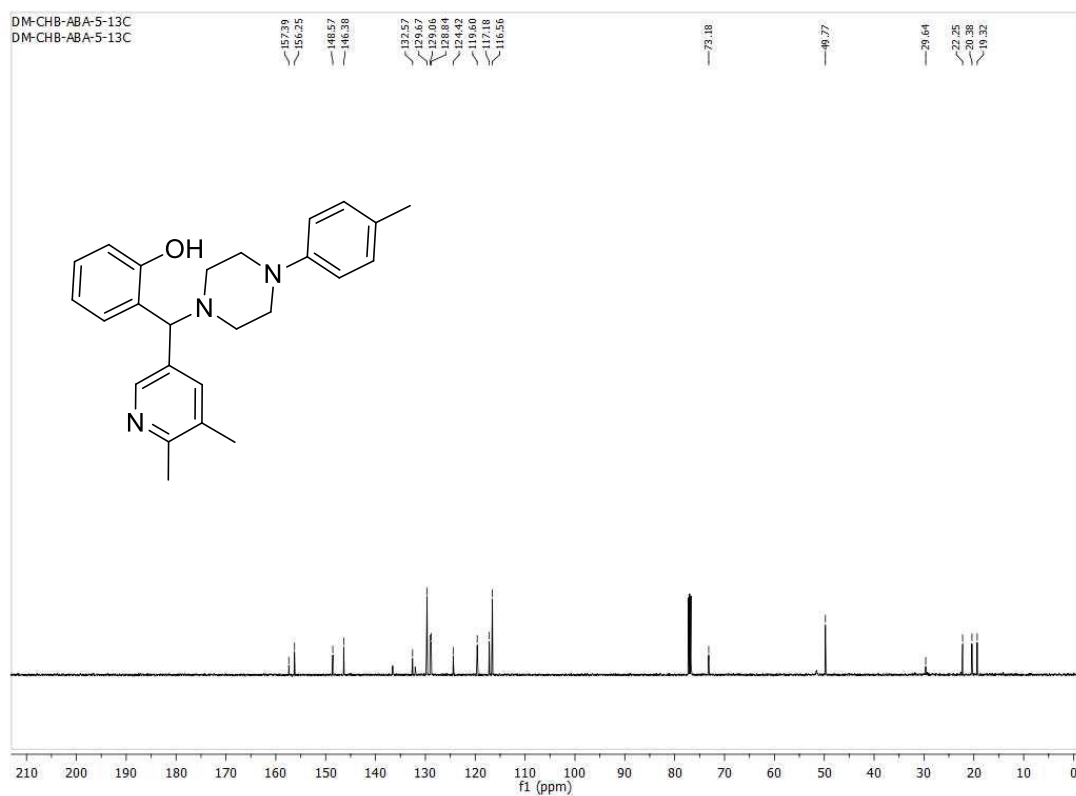
S28: ^1H NMR Spectrum of compound **4l**.



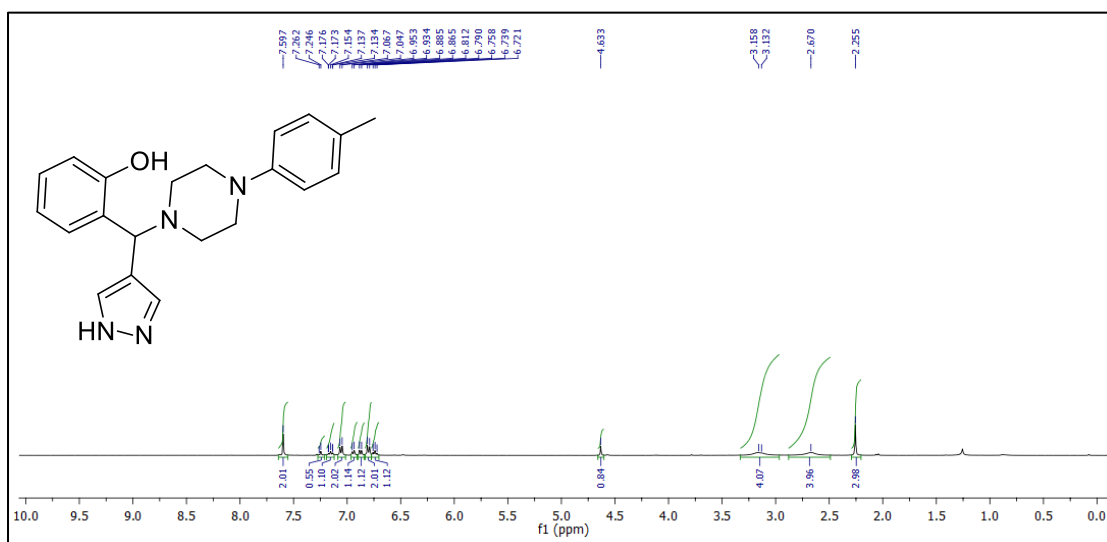
S29: ^{13}C NMR Spectrum of compound **4l**.



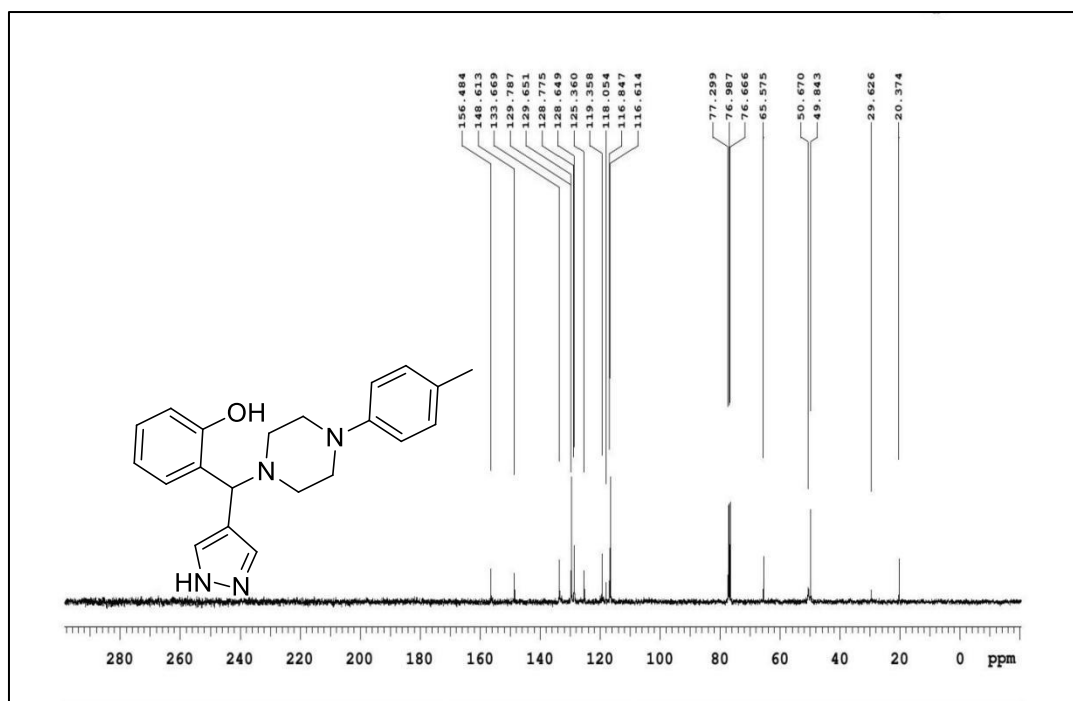
S30: ^1H NMR Spectrum of compound **4m**.



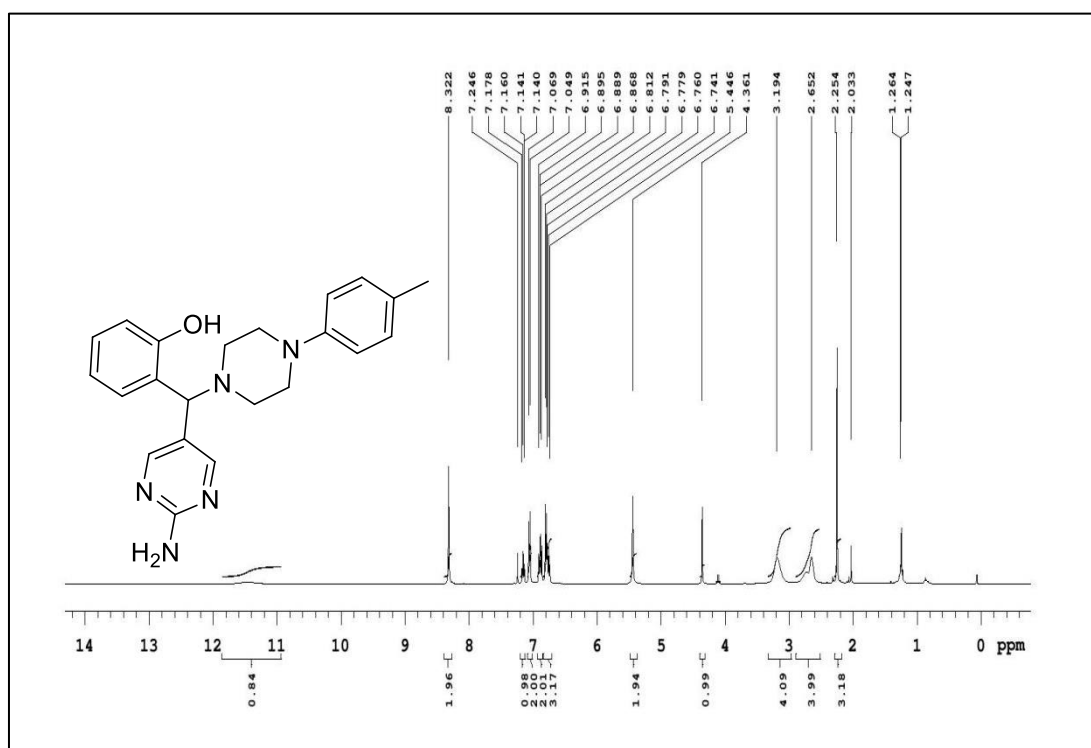
S31:¹³C NMR Spectrum of compound **4m**



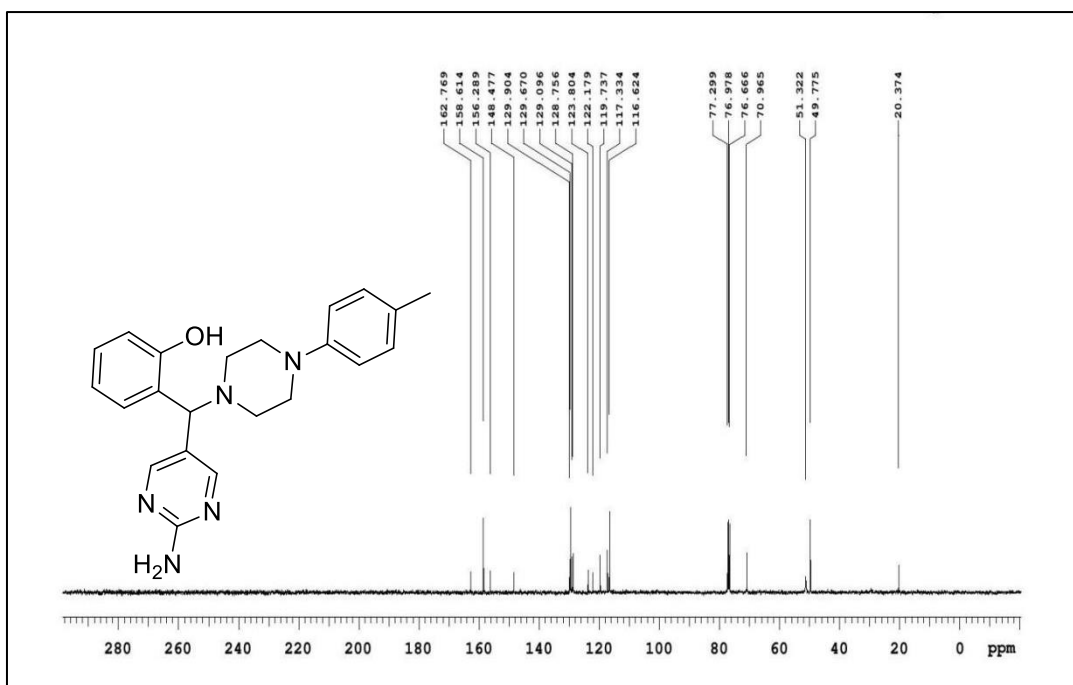
S32:¹H NMR Spectrum of compound **4n**



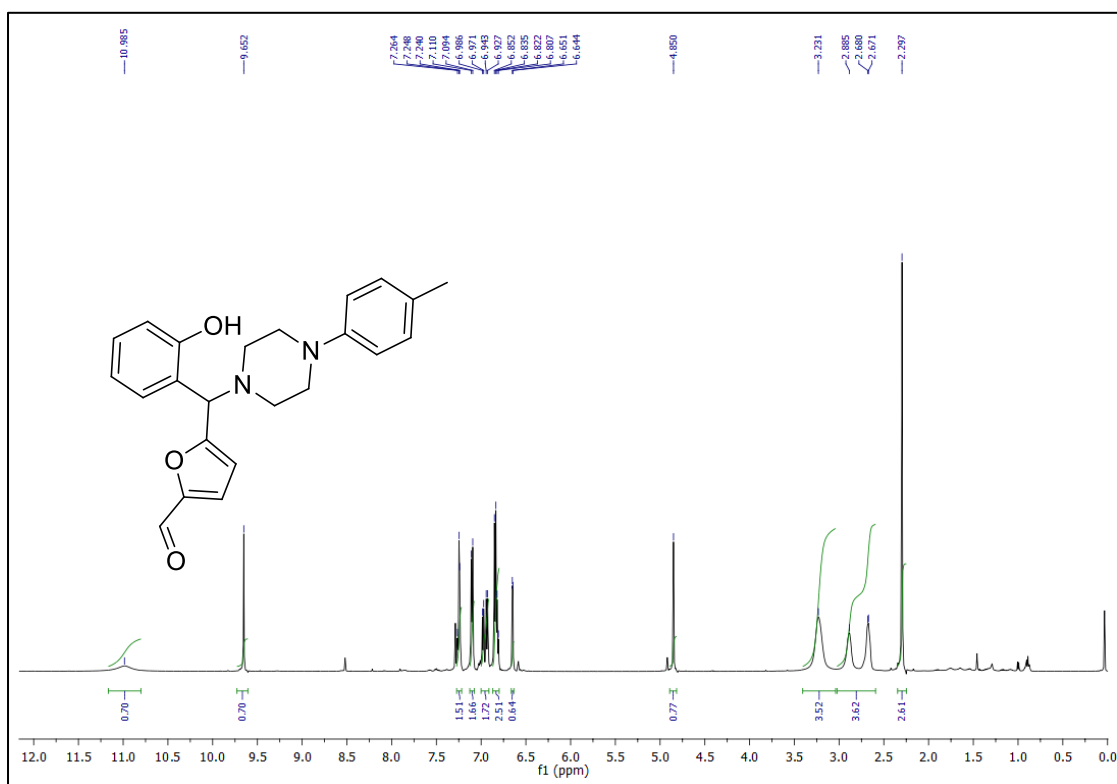
S33: ¹³C NMR Spectrum of compound **4n**



S34: ¹H NMR Spectrum of compound **4o**



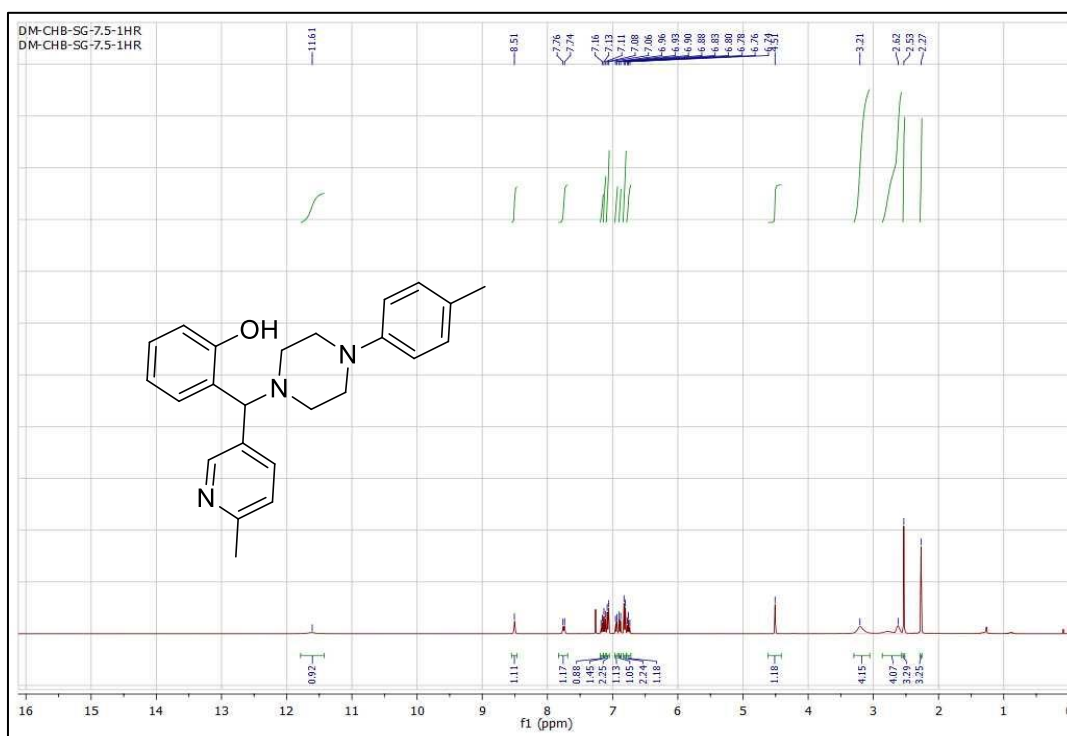
S35: ¹³C NMR Spectrum of compound **4o**



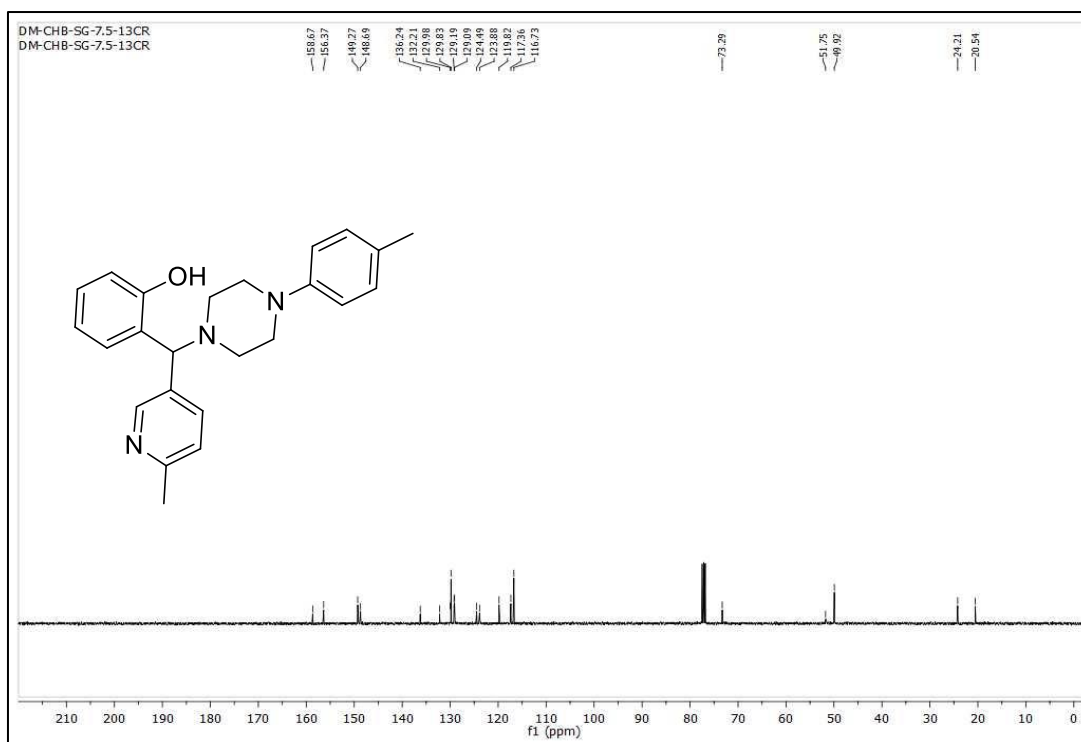
S36: ¹H NMR Spectrum of compound **4p**



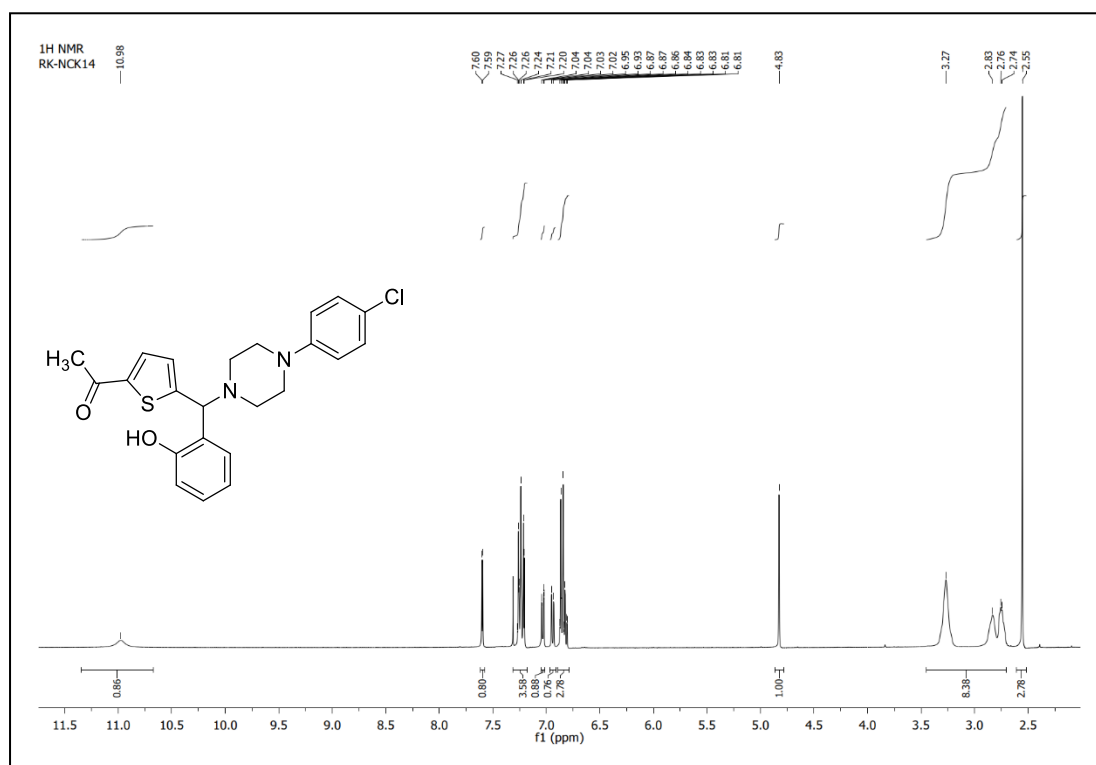
S37: ^{13}C NMR Spectrum of compound **4p**



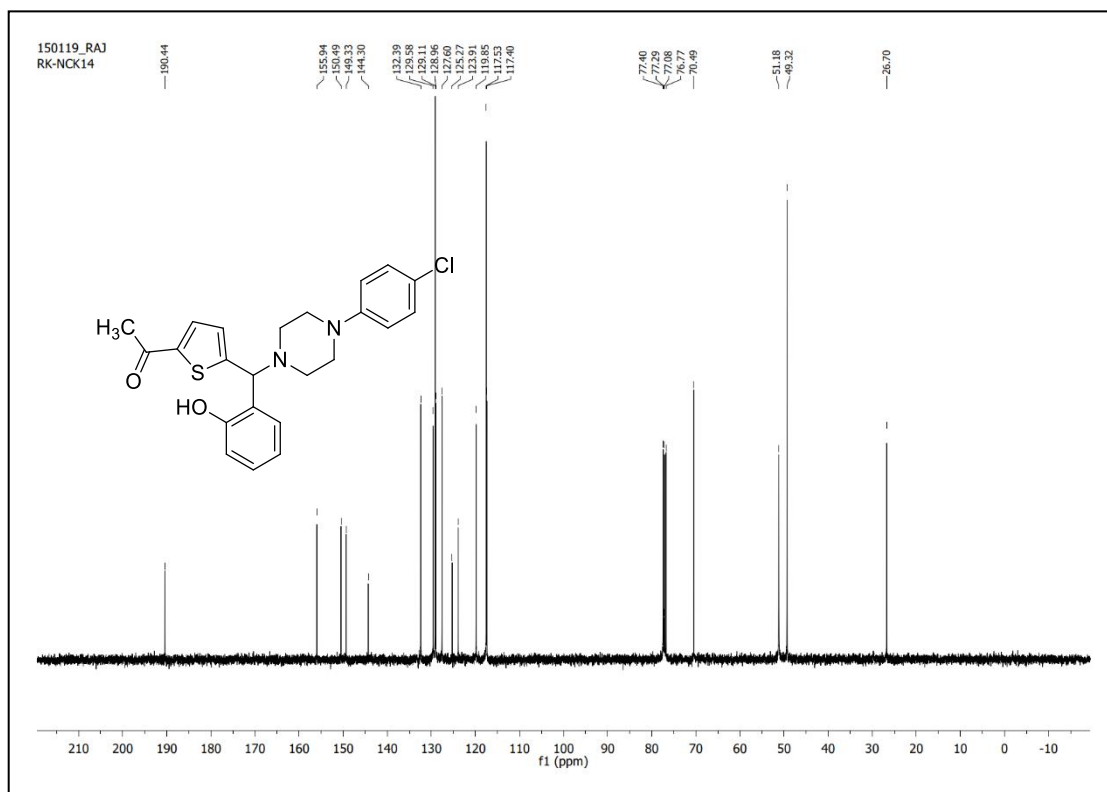
S38: ^1H NMR Spectrum of compound **4q**



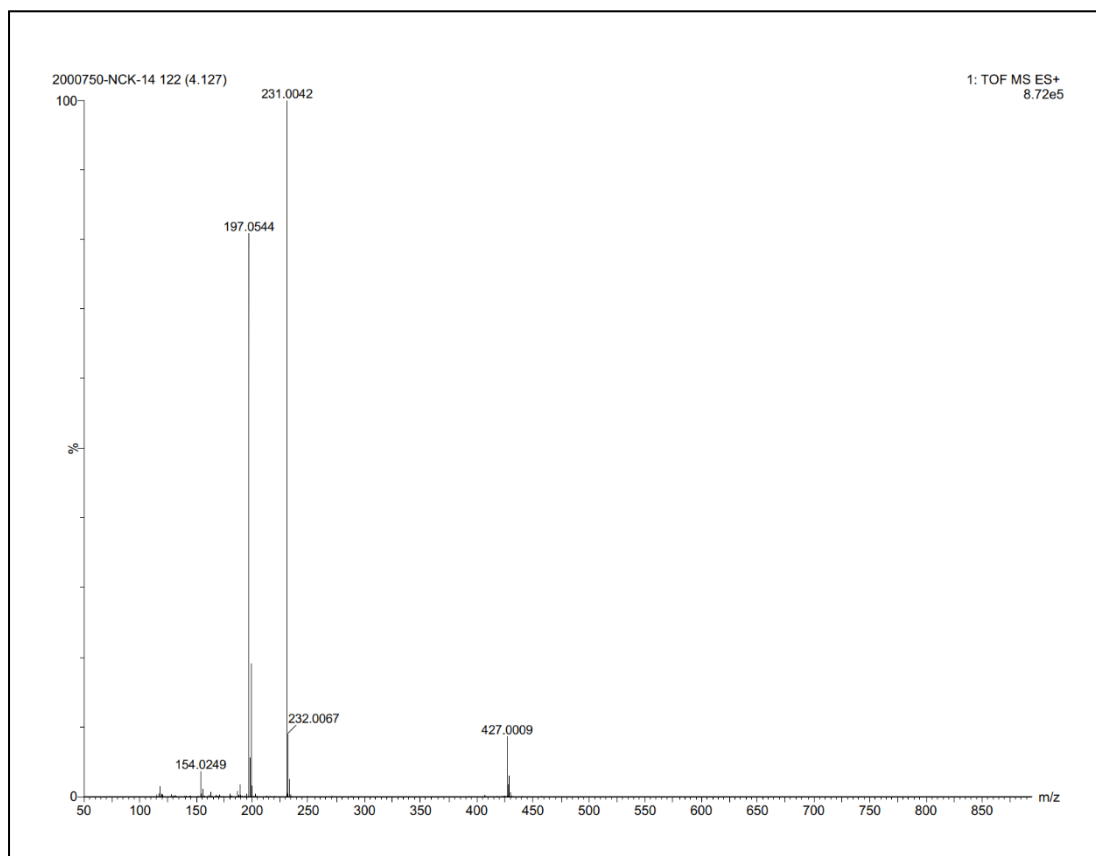
S39: ^{13}C NMR Spectrum of compound **4q**



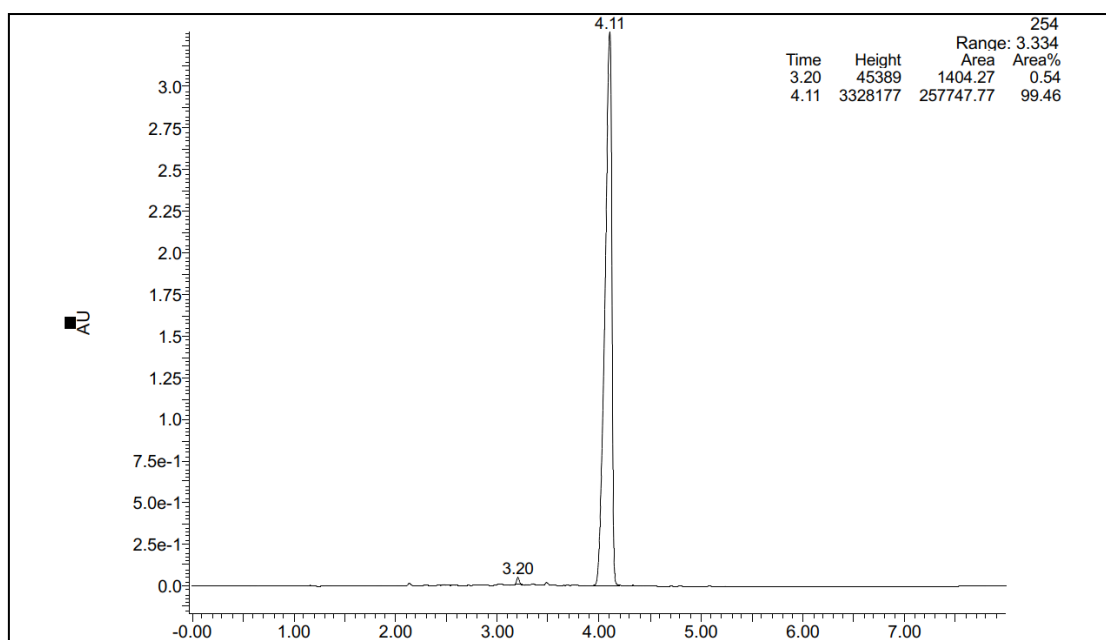
S40: ^1H NMR Spectrum of compound **4r**



S41: ^{13}C NMR spectrum of compound **4r**



S42: Mass spectrum of compound **4r**



S43:LC Chromatogram of compound **4r**

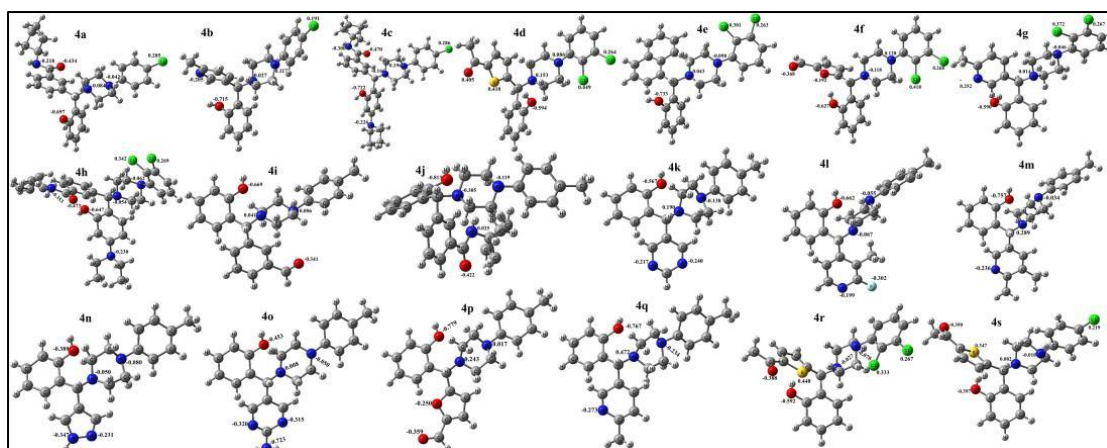


Figure S2. Optimized geometries of all the synthesized molecules studied in this work and charges (in e) of hetero atoms are given in the Figure.