

Supporting Information for

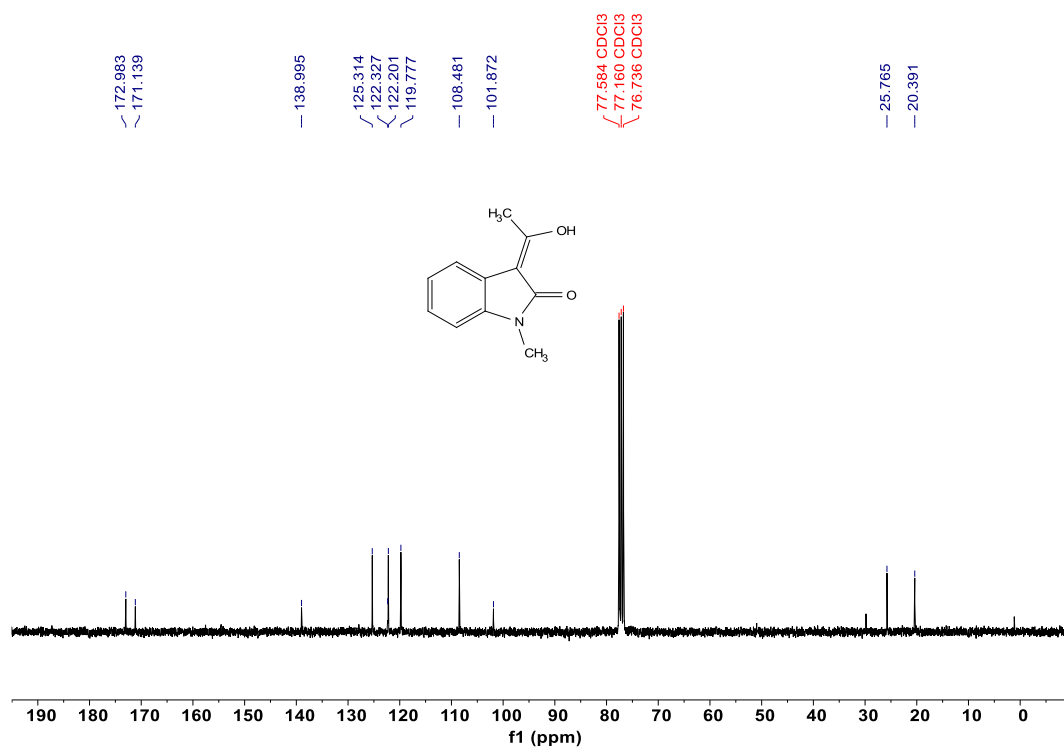
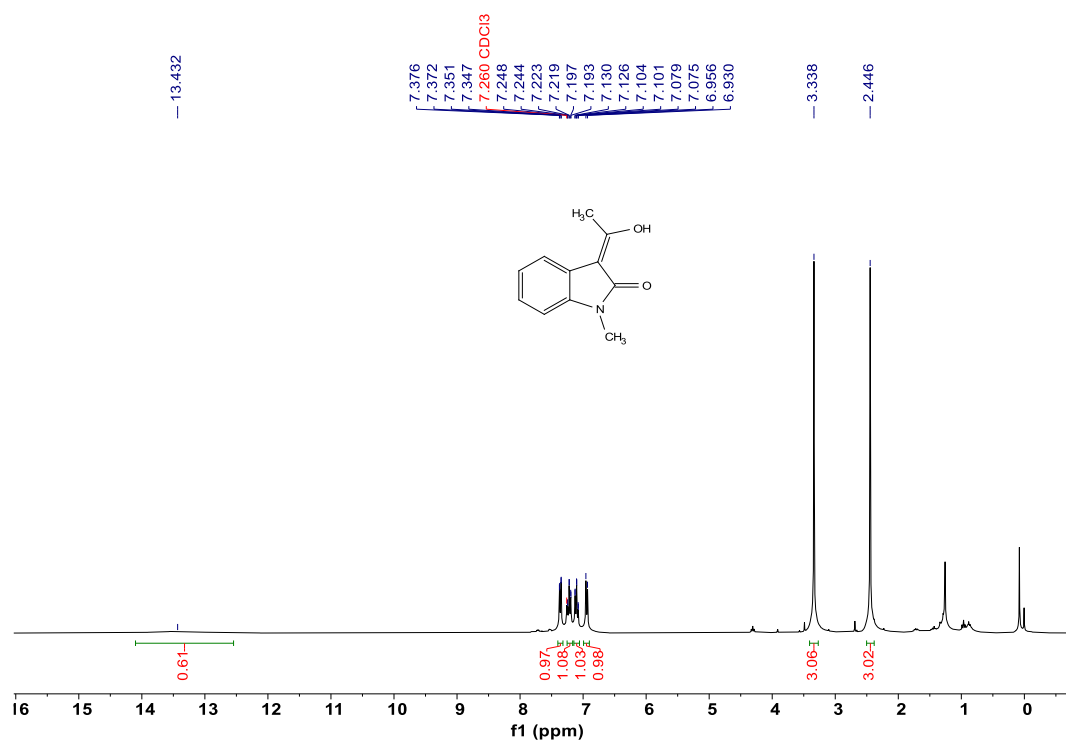
Synthesis and Antimicrobial Activity of

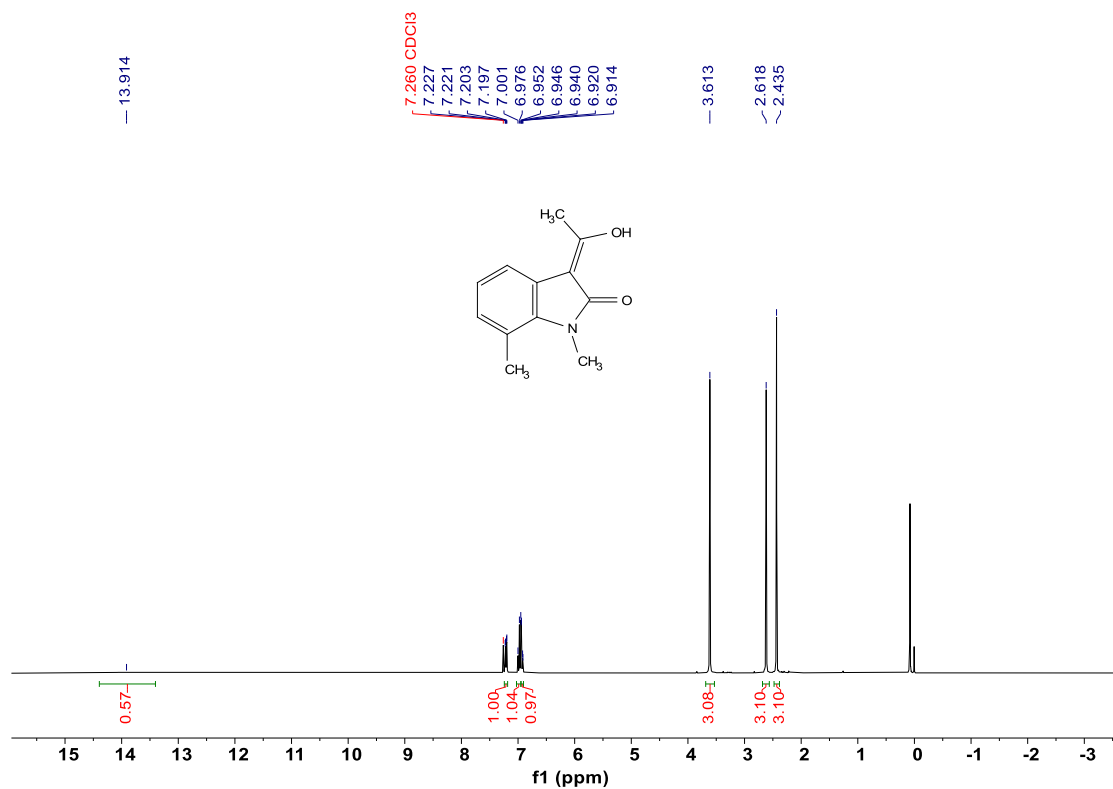
3-Alkylidene-2-Indolone Derivatives

List of Contents

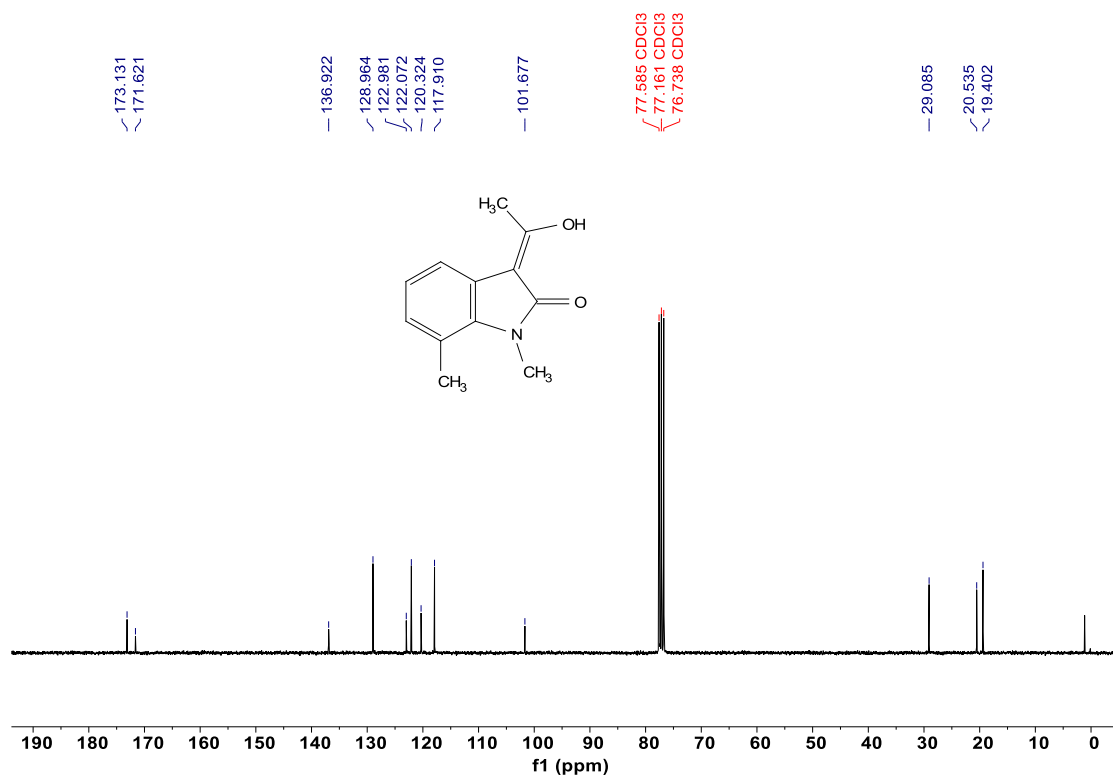
^1H , ^{13}C NMR and Mass-Spectra

Compounds 5a-w and 10a-i

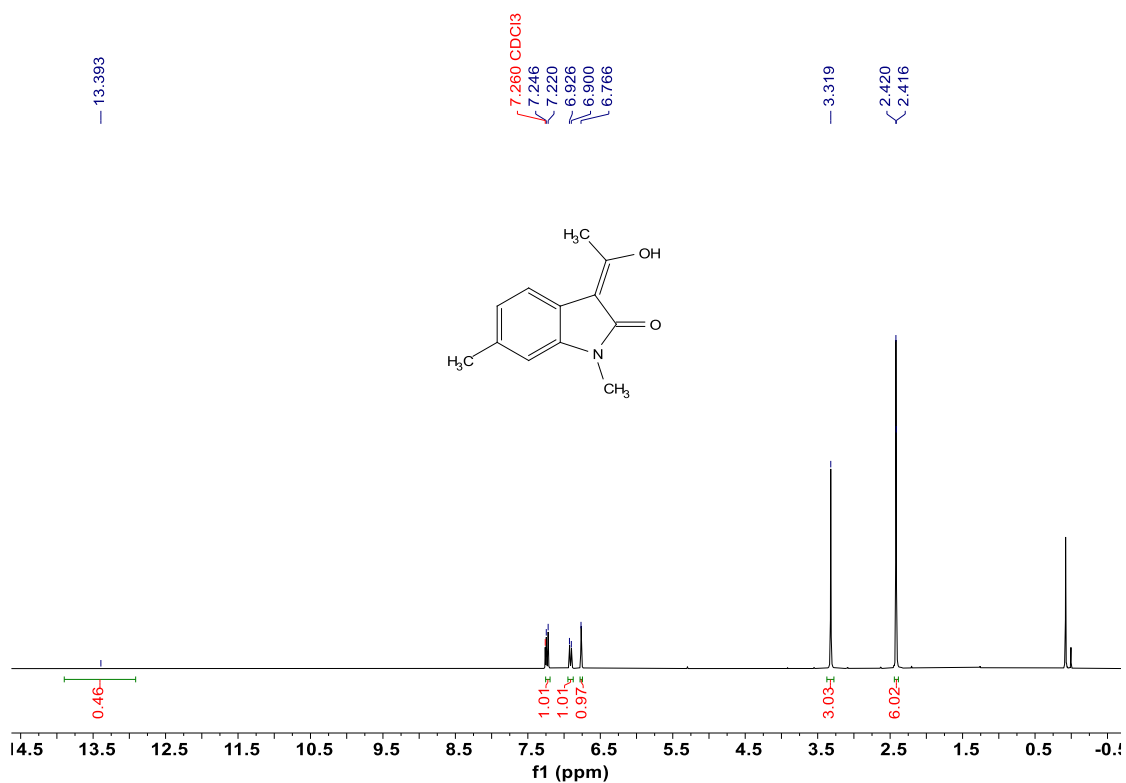




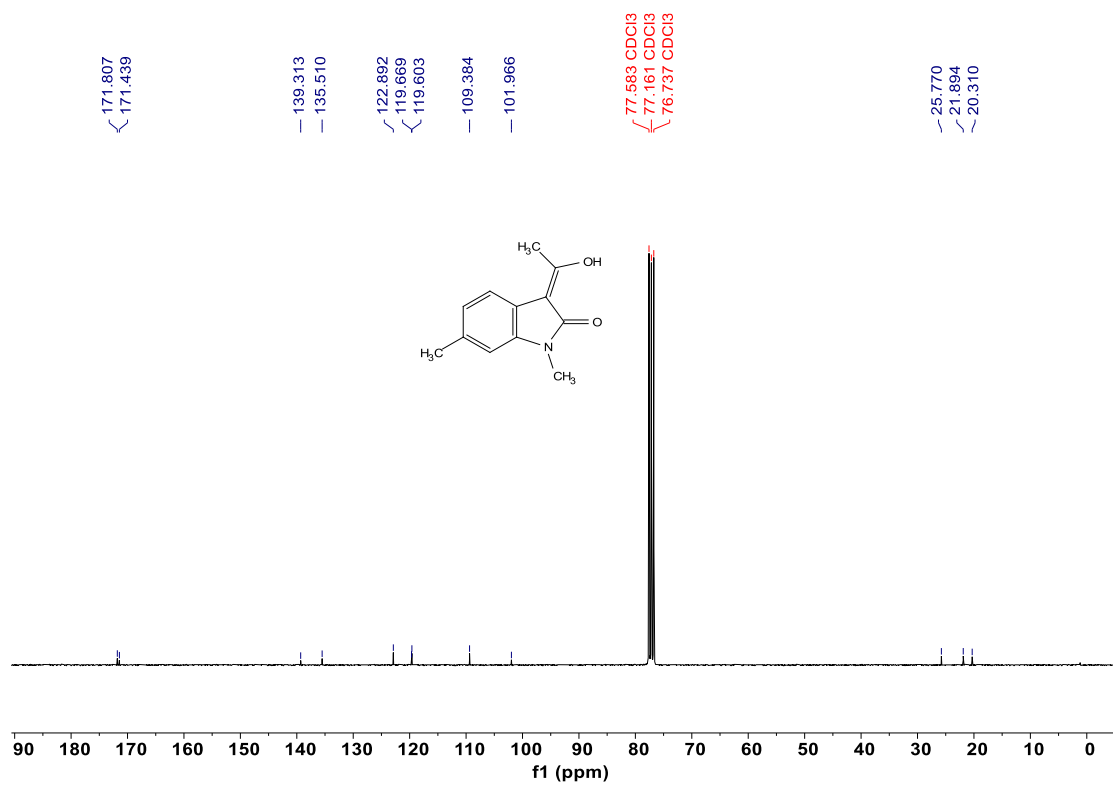
¹H NMR spectrum of compound **5b** (300 MHz, CDCl₃)



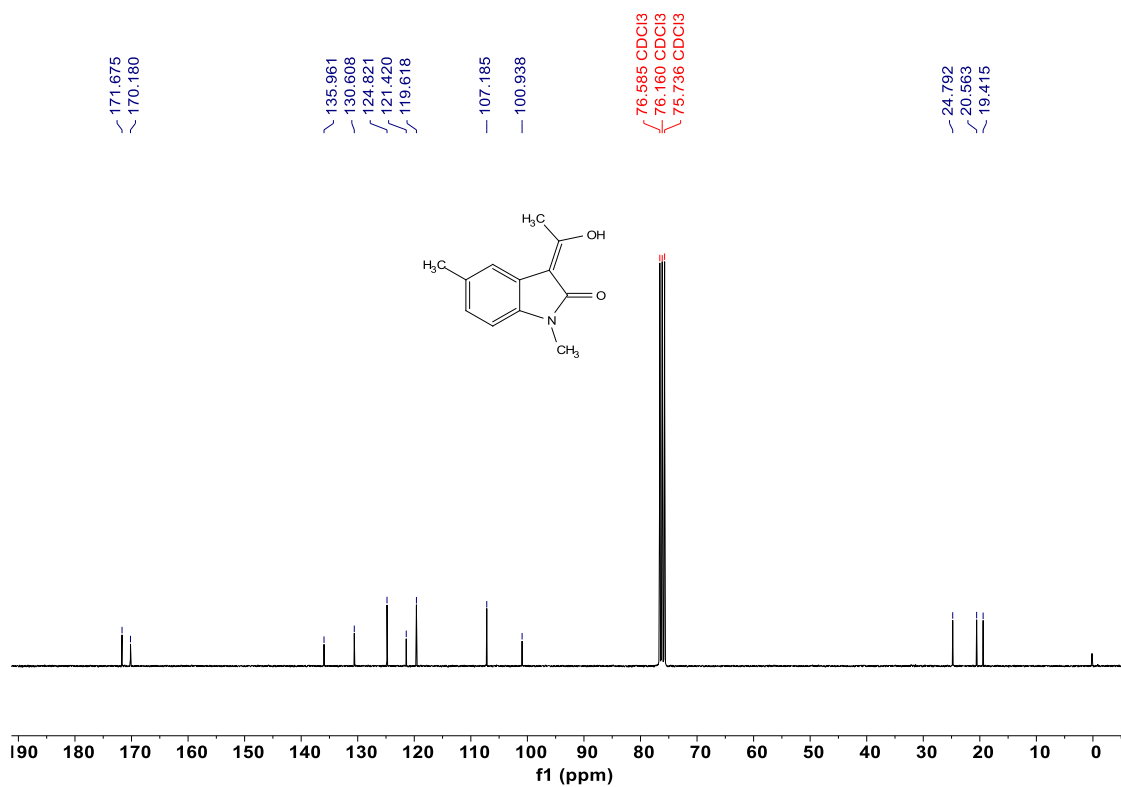
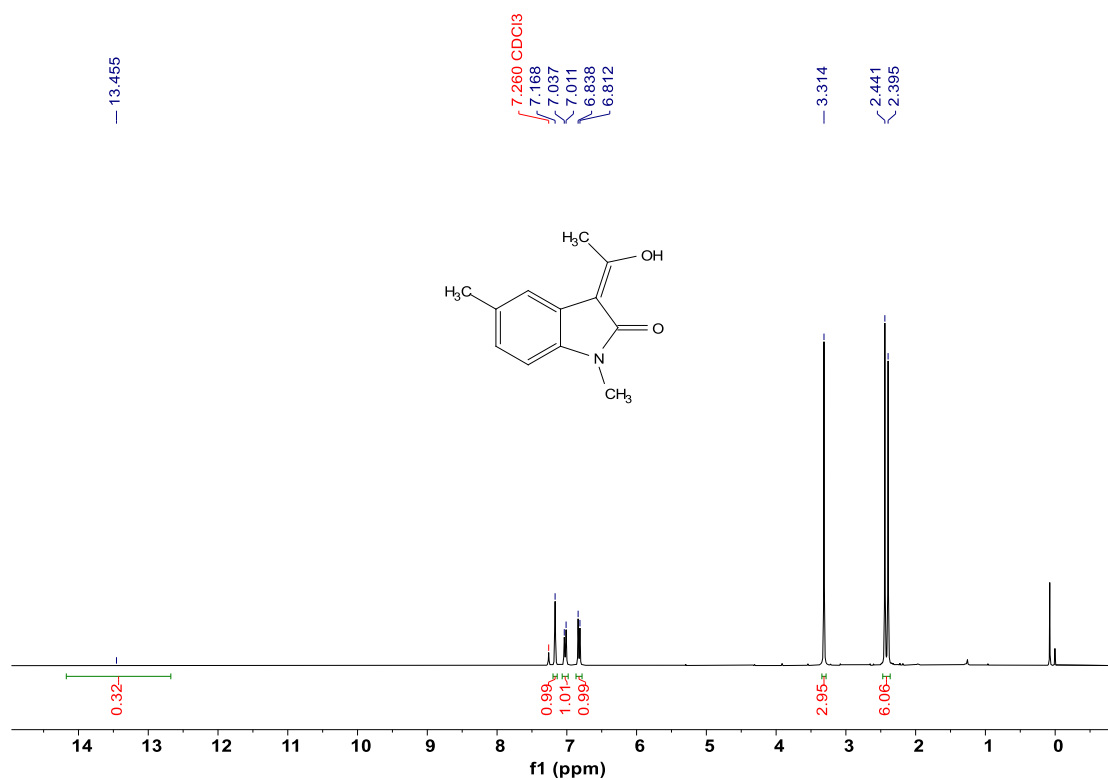
¹³C NMR spectrum of compound **5b** (75 MHz, CDCl₃)

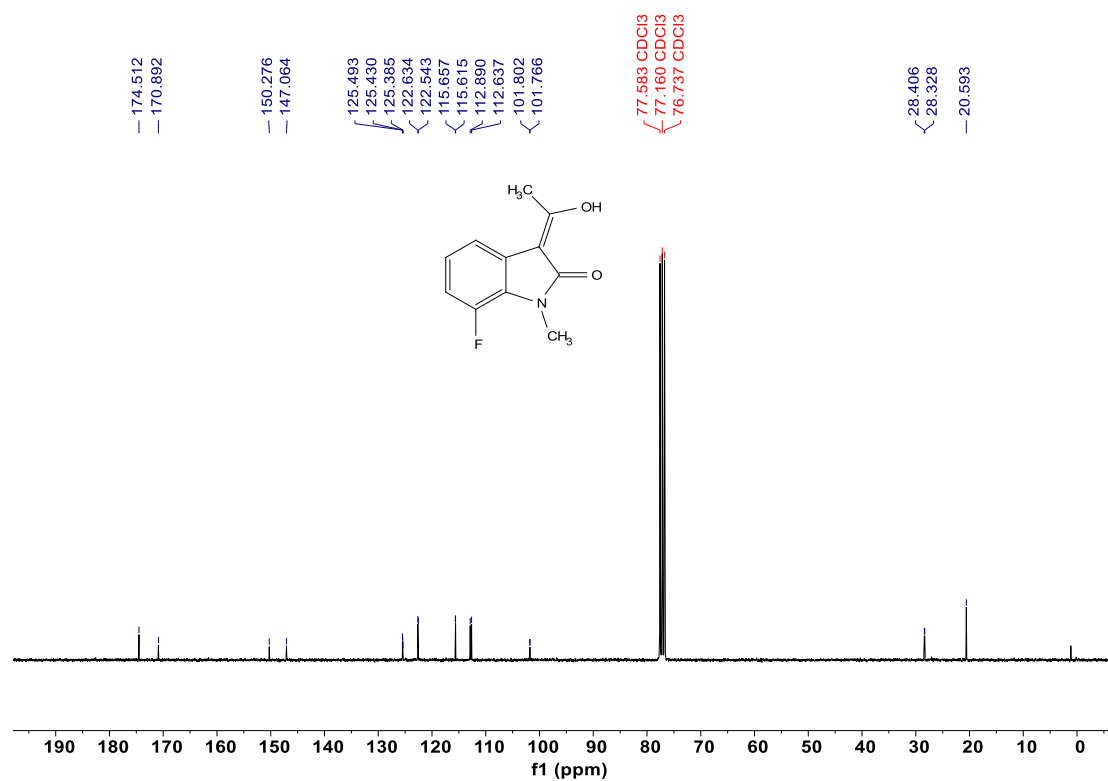
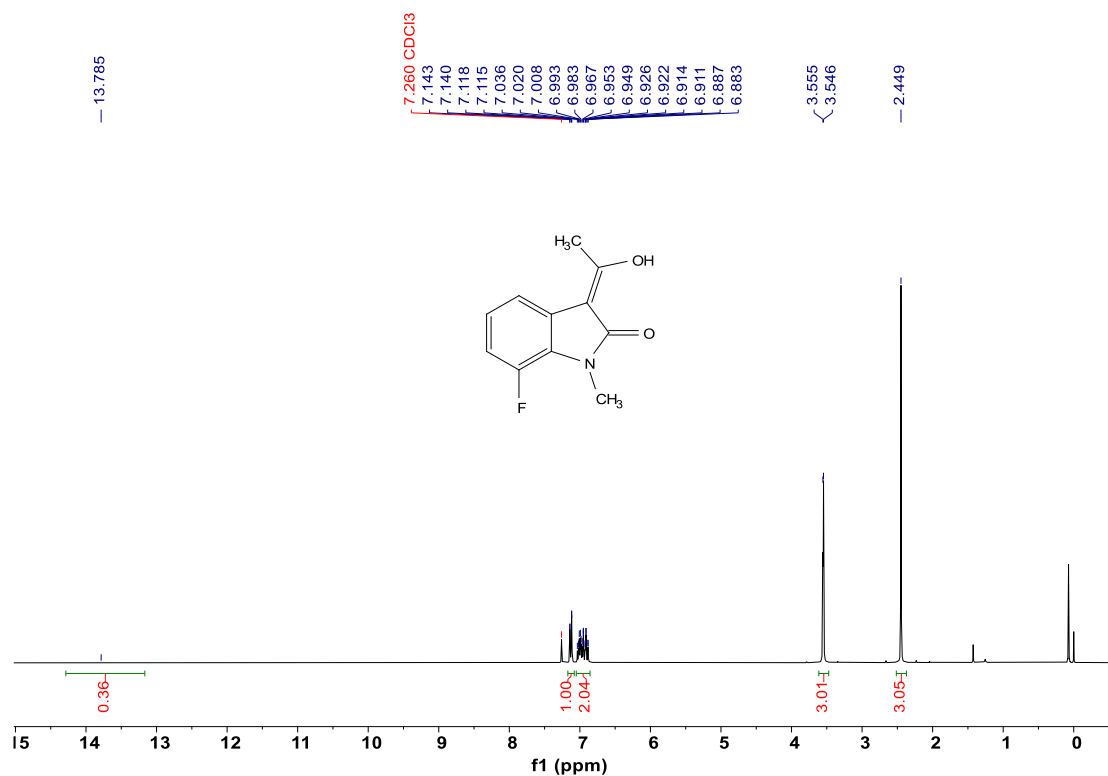


¹H NMR spectrum of compound **5c** (300 MHz, CDCl₃)

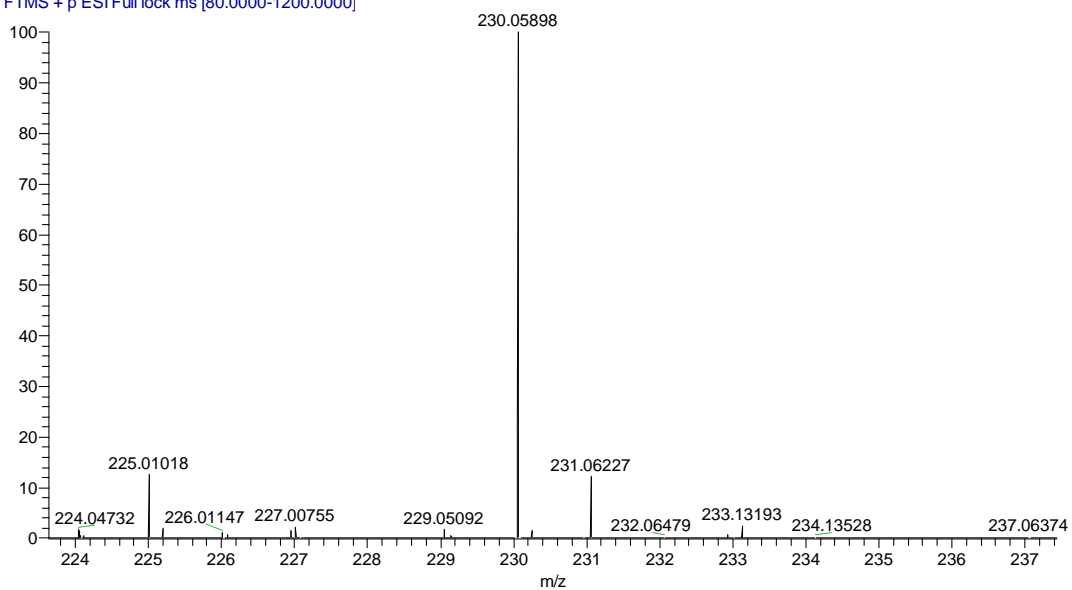


¹³C NMR spectrum of compound **5c** (75 MHz, CDCl₃)

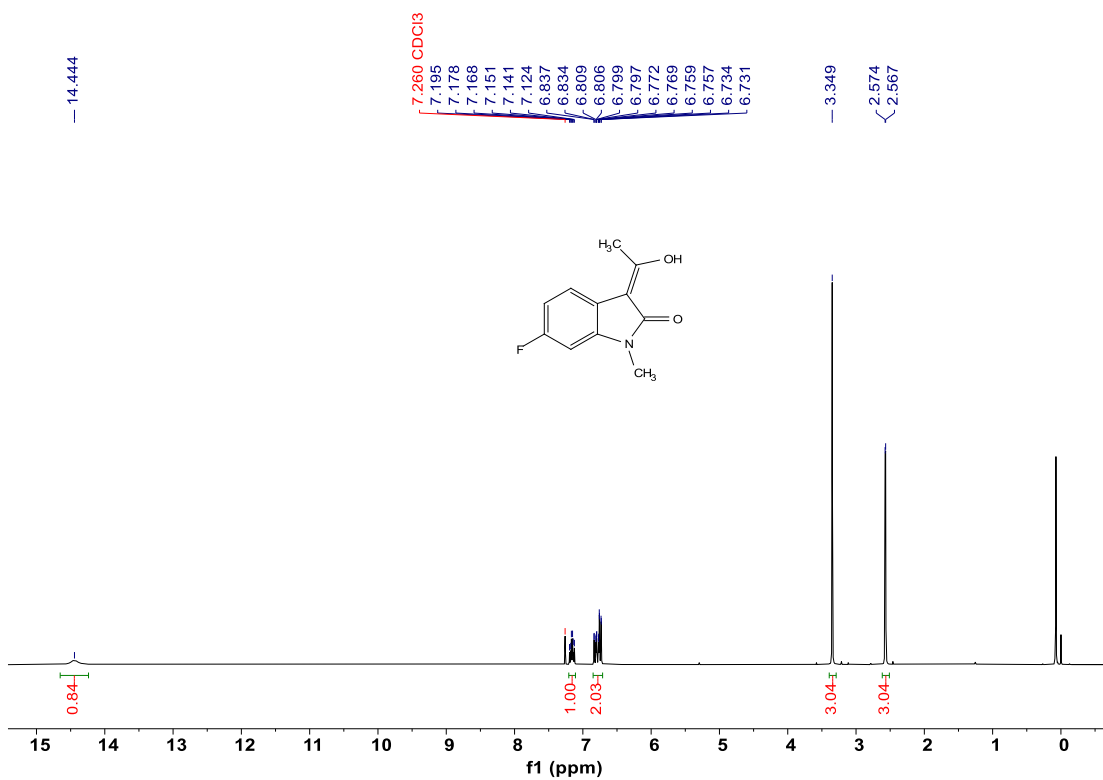




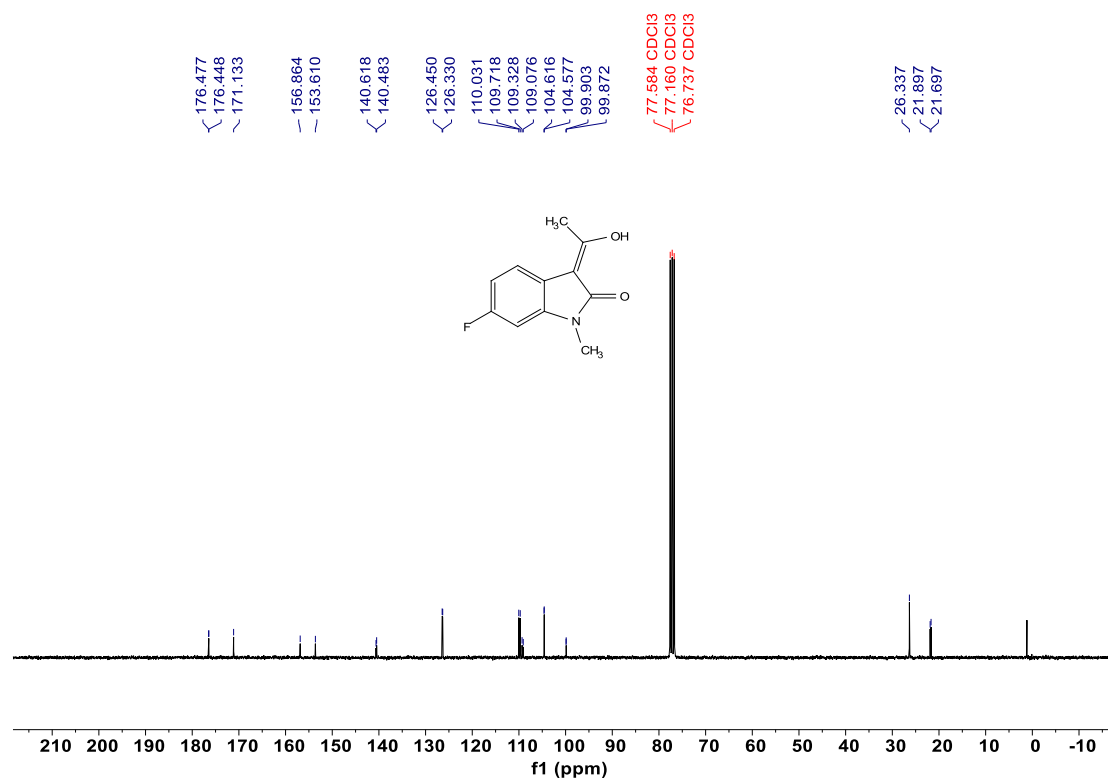
312-7 #15 RT: 0.08 AV: 1 NL: 1.02E8
T: FTMS + p ESI Full lock ms [80.0000-1200.0000]



HRMS(ESI) of compound **5e**

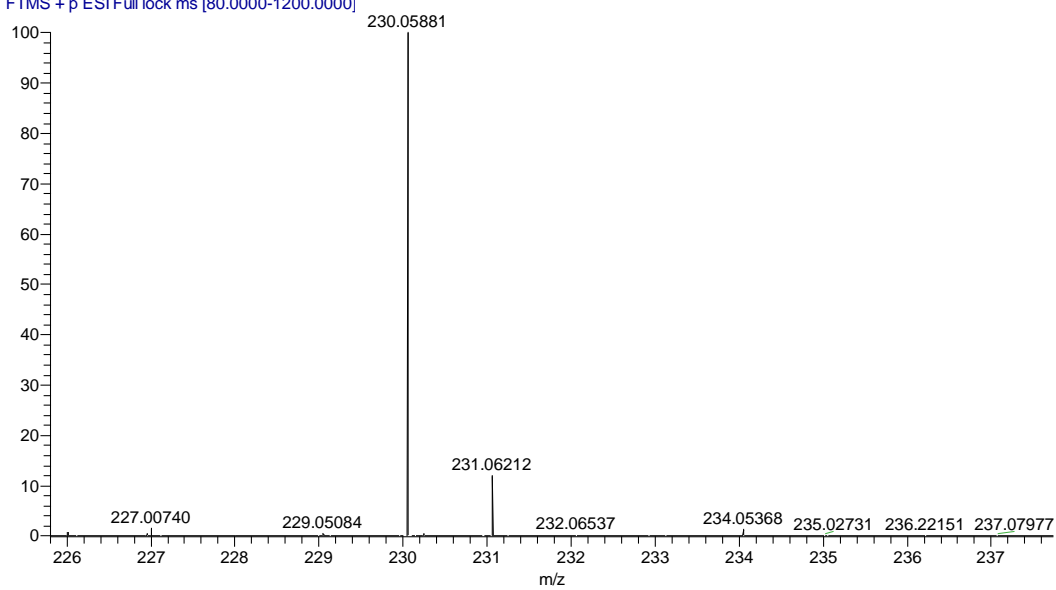


¹H NMR spectrum of compound **5f** (300 MHz, CDCl₃)

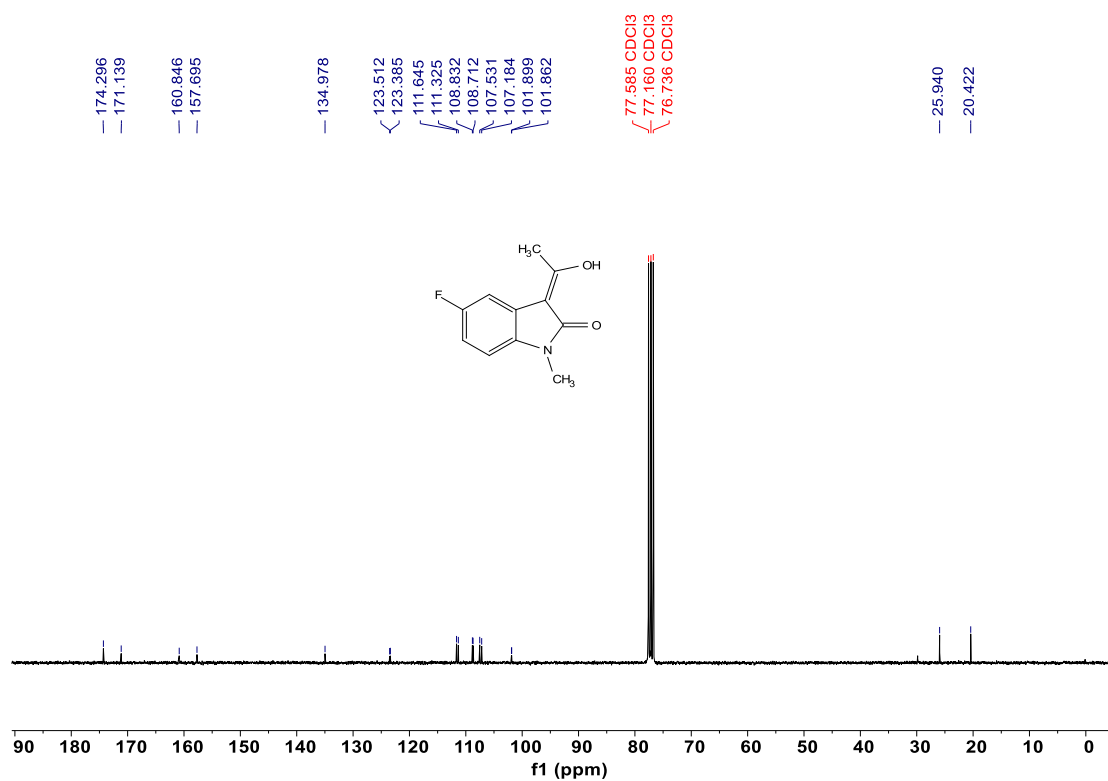
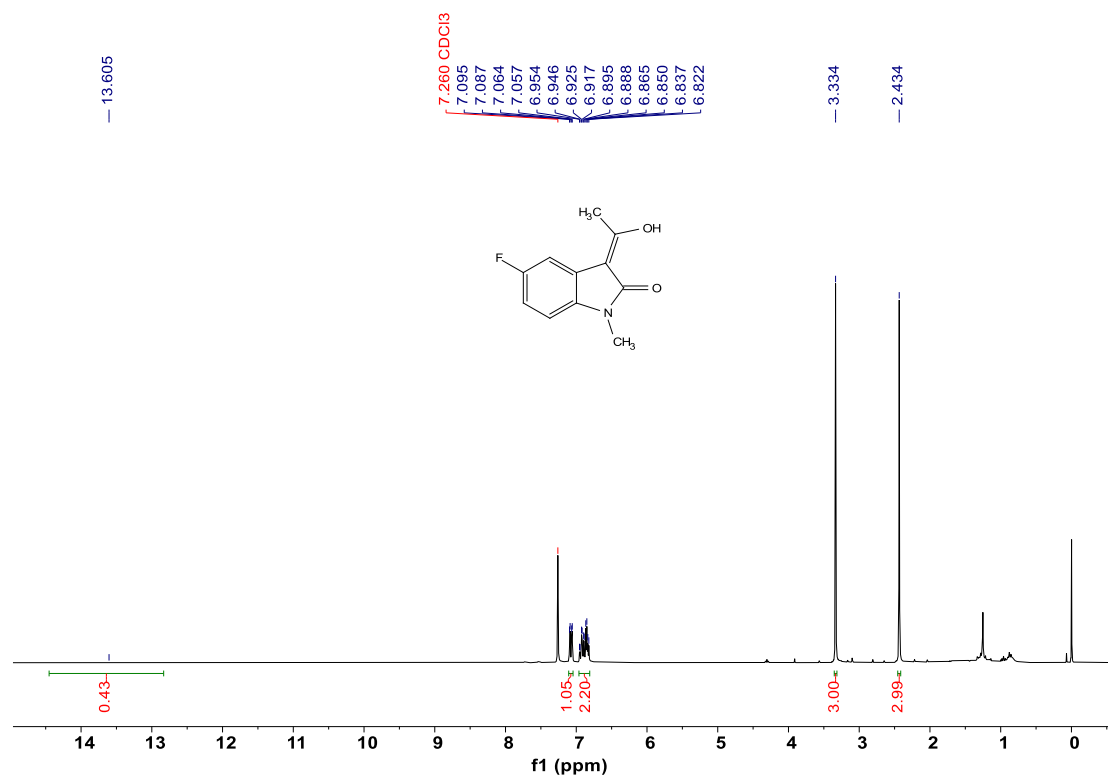


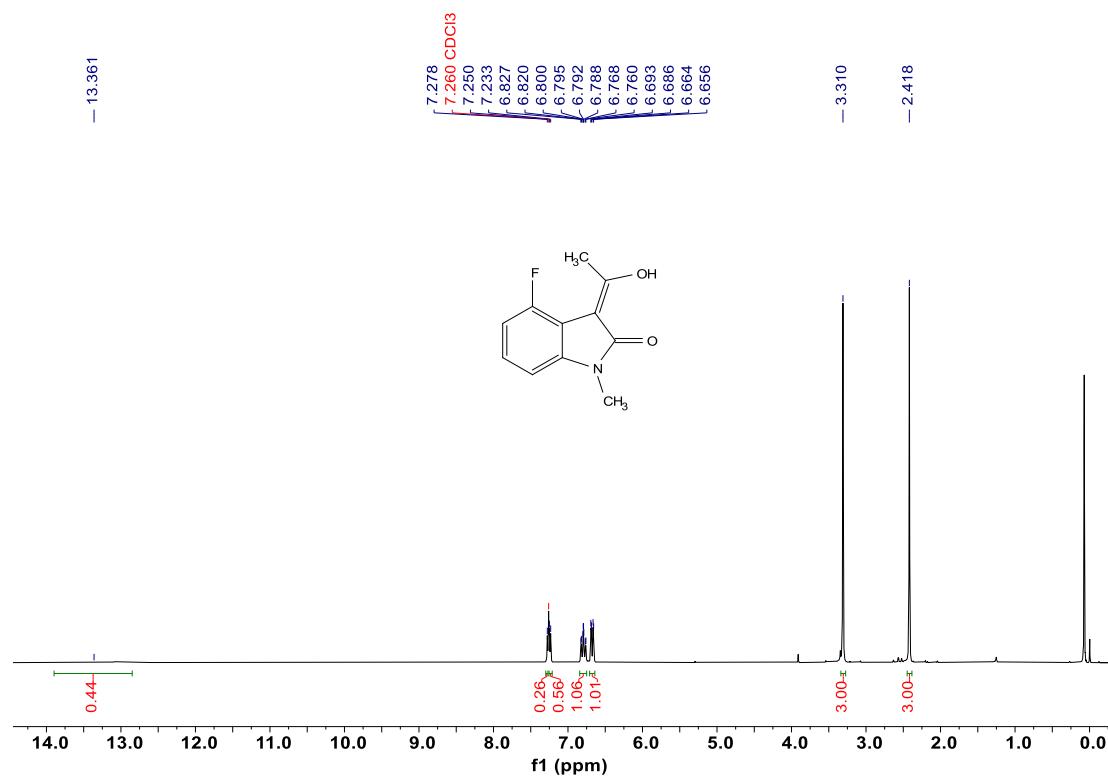
¹³C NMR spectrum of compound **5f** (75 MHz, CDCl₃)

312-1 #22 RT: 0.12 AV: 1 NL: 1.94E8
T: FTMS + p ESI Full lock ms [80.0000-1200.0000]

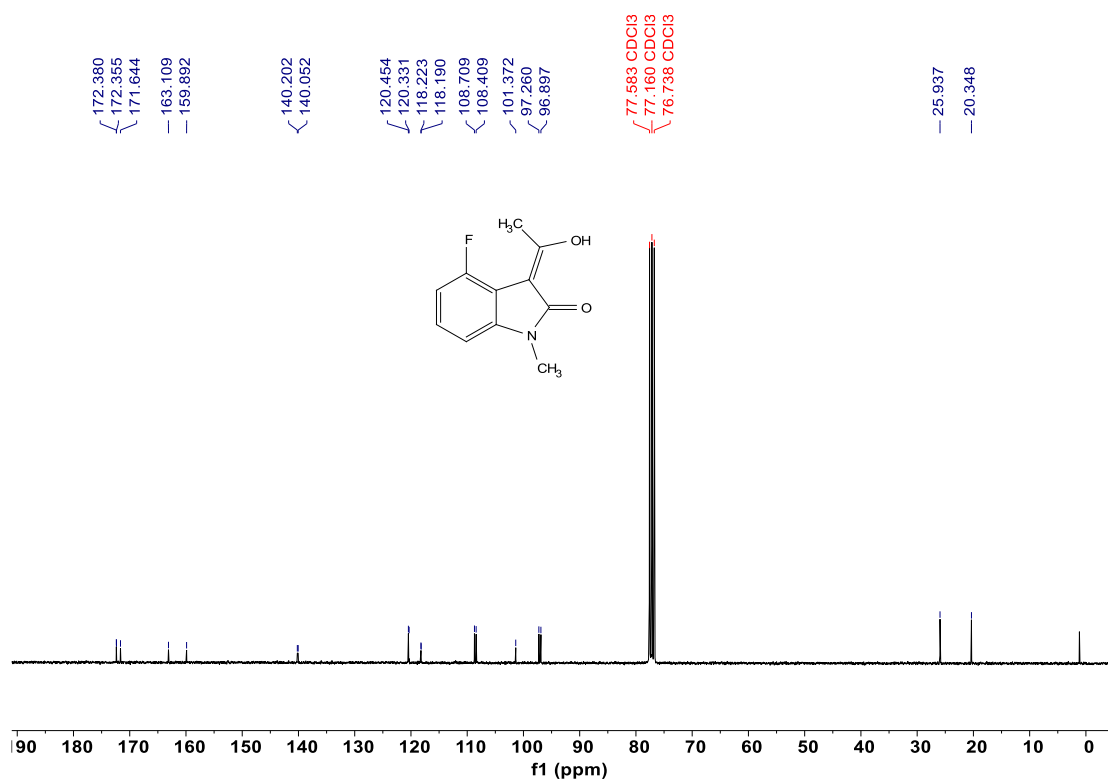


HRMS(ESI) of compound **5f**



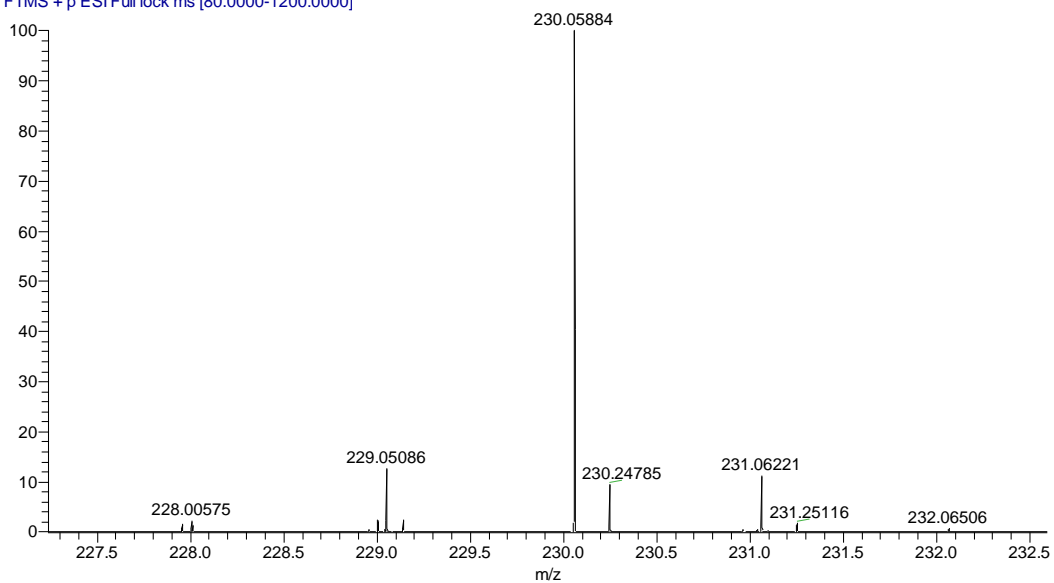


¹H NMR spectrum of compound **5h** (300 MHz, CDCl₃)

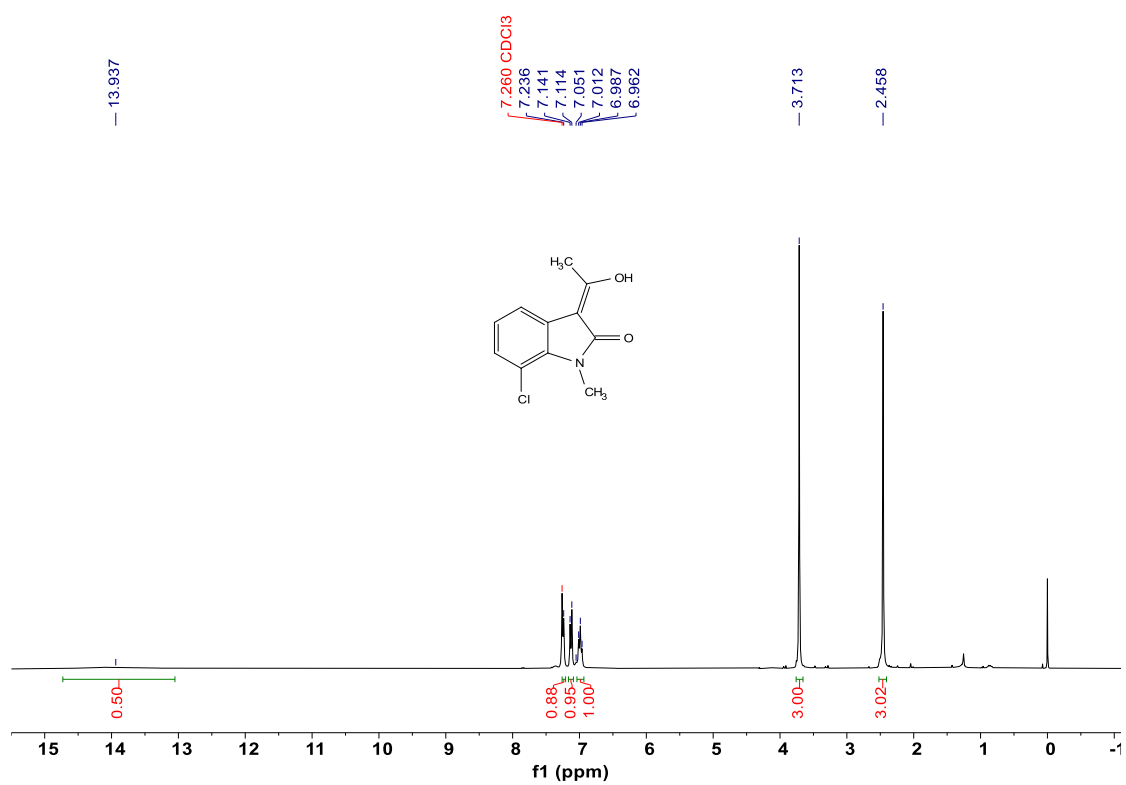


¹³C NMR spectrum of compound **5h** (75 MHz, CDCl₃)

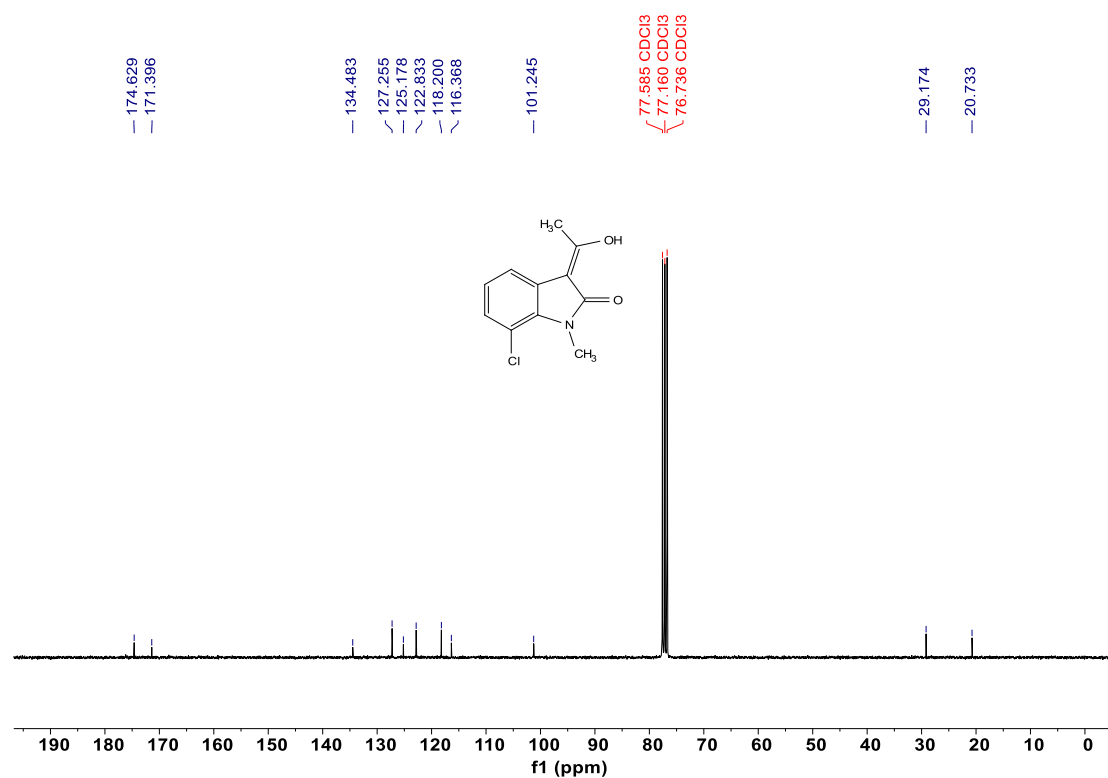
312-15 #25 RT: 0.14 AV: 1 NL: 8.21E6
T: FTMS + p ESI Full lock ms [80.0000-1200.0000]



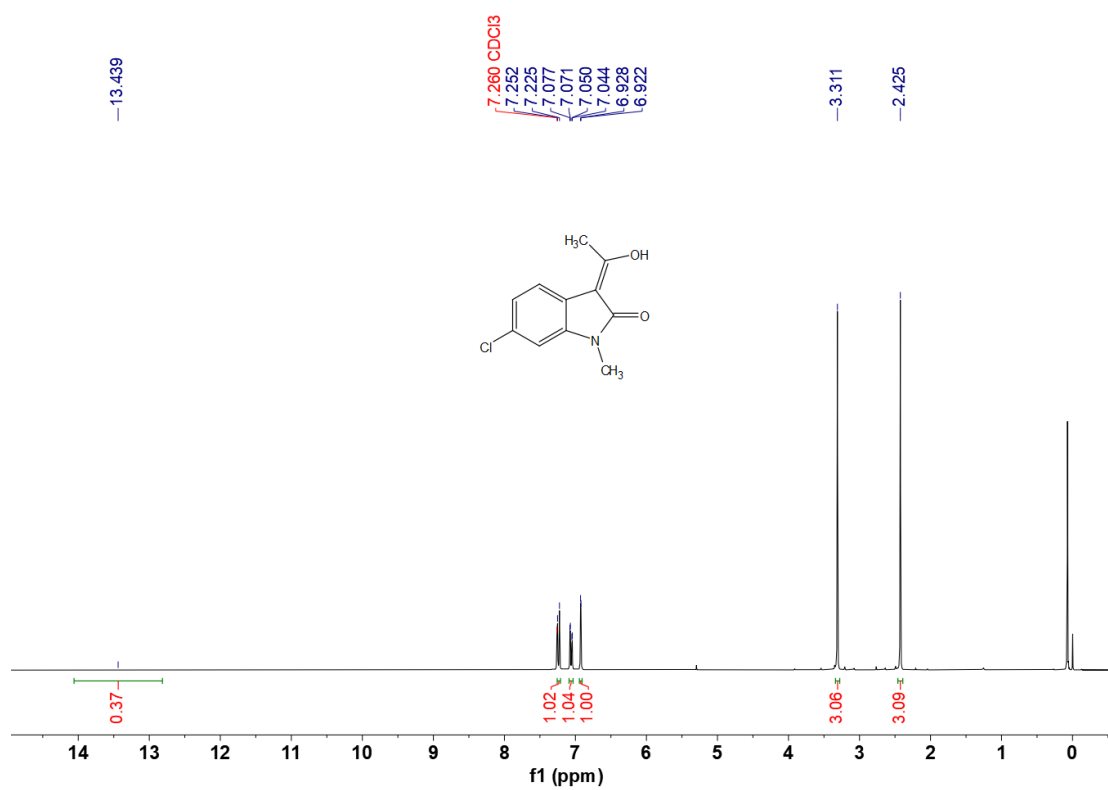
HRMS(ESI) of compound **5h**



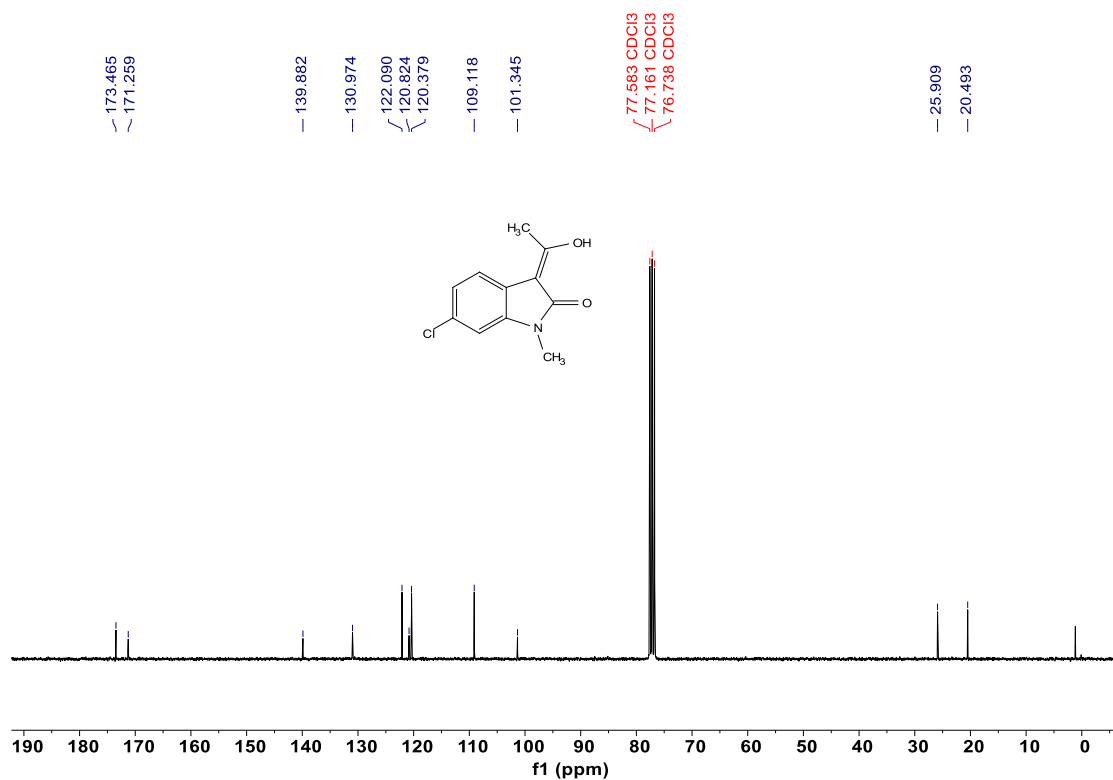
¹H NMR spectrum of compound **5i** (300 MHz, CDCl₃)



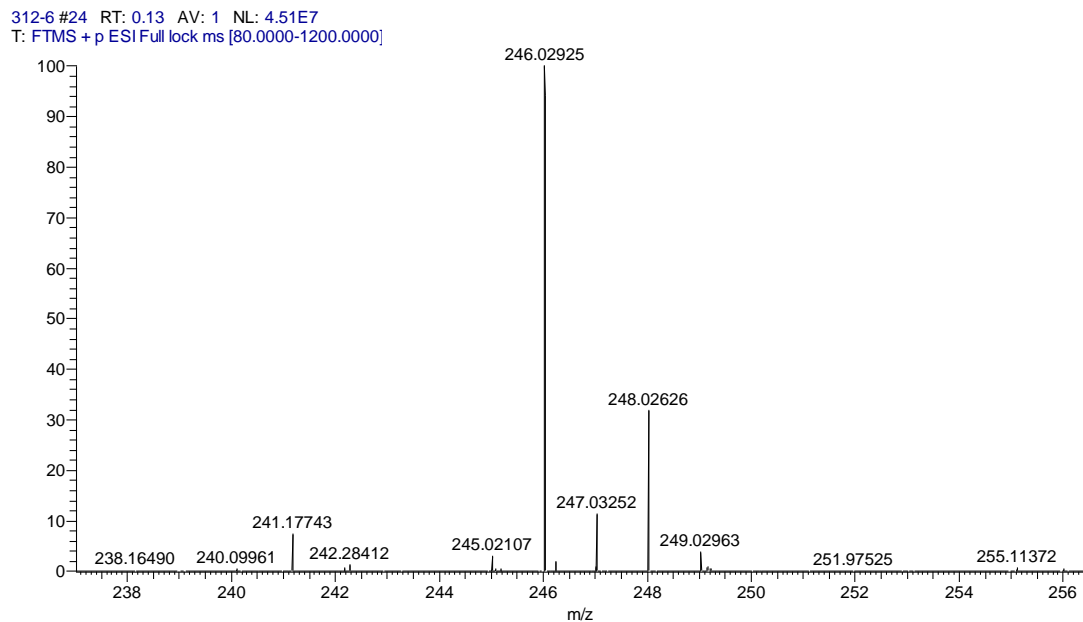
¹³C NMR spectrum of compound **5i** (75 MHz, CDCl₃)



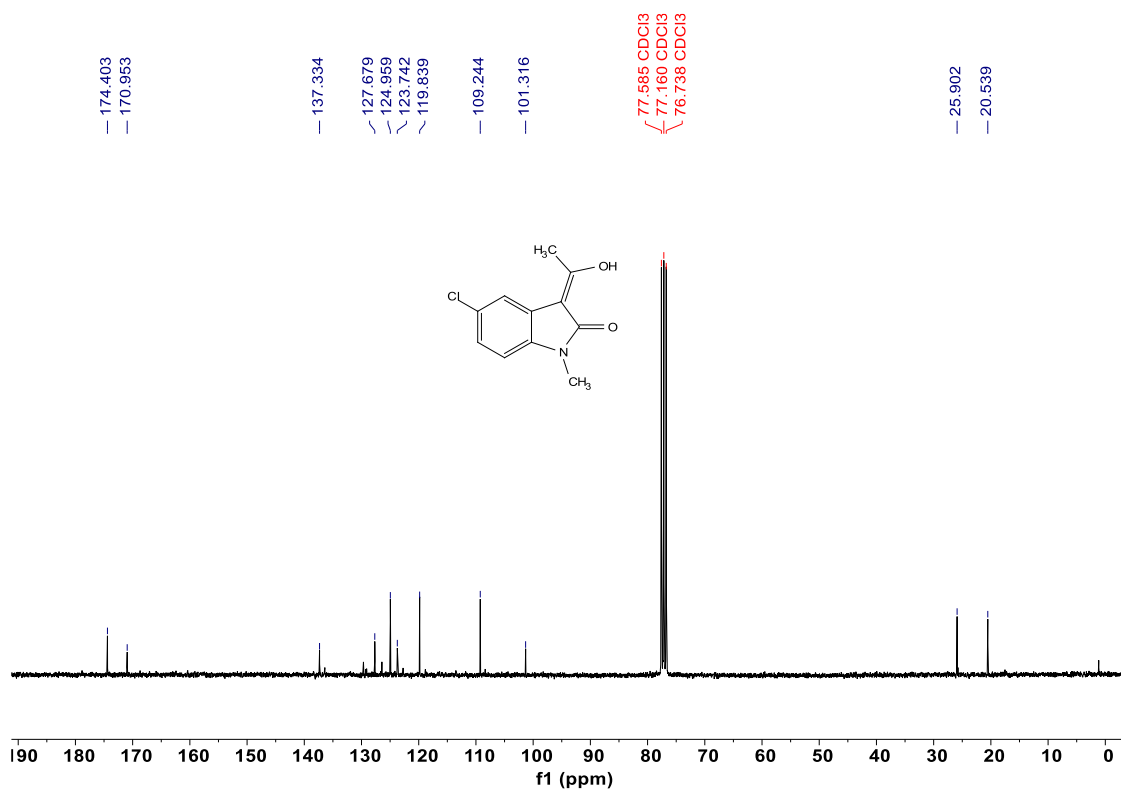
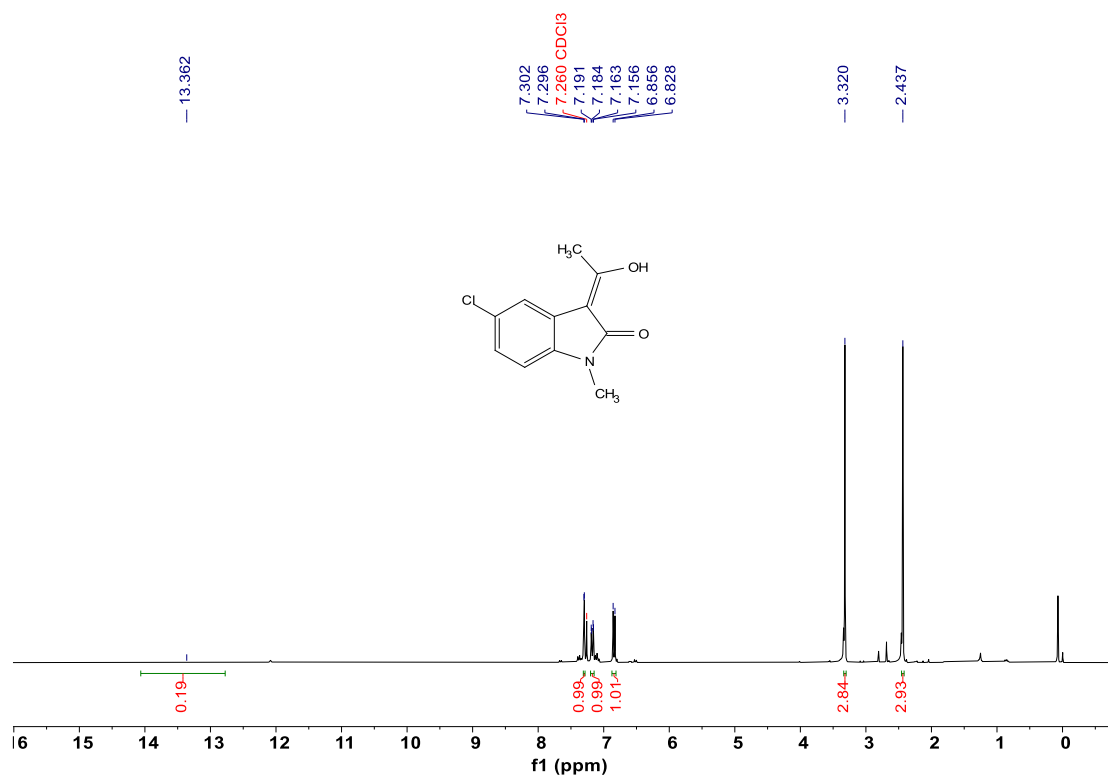
¹H NMR spectrum of compound **5j** (300 MHz, CDCl₃)

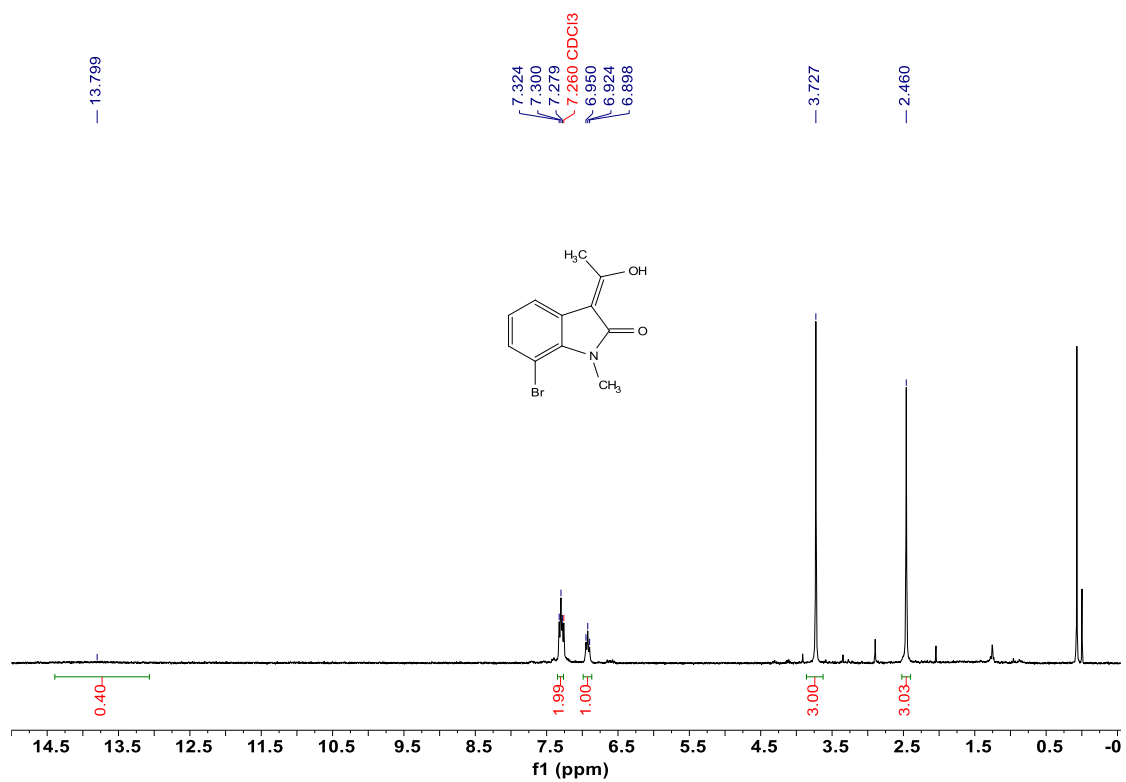


¹³C NMR spectrum of compound **5j** (75 MHz, CDCl₃)

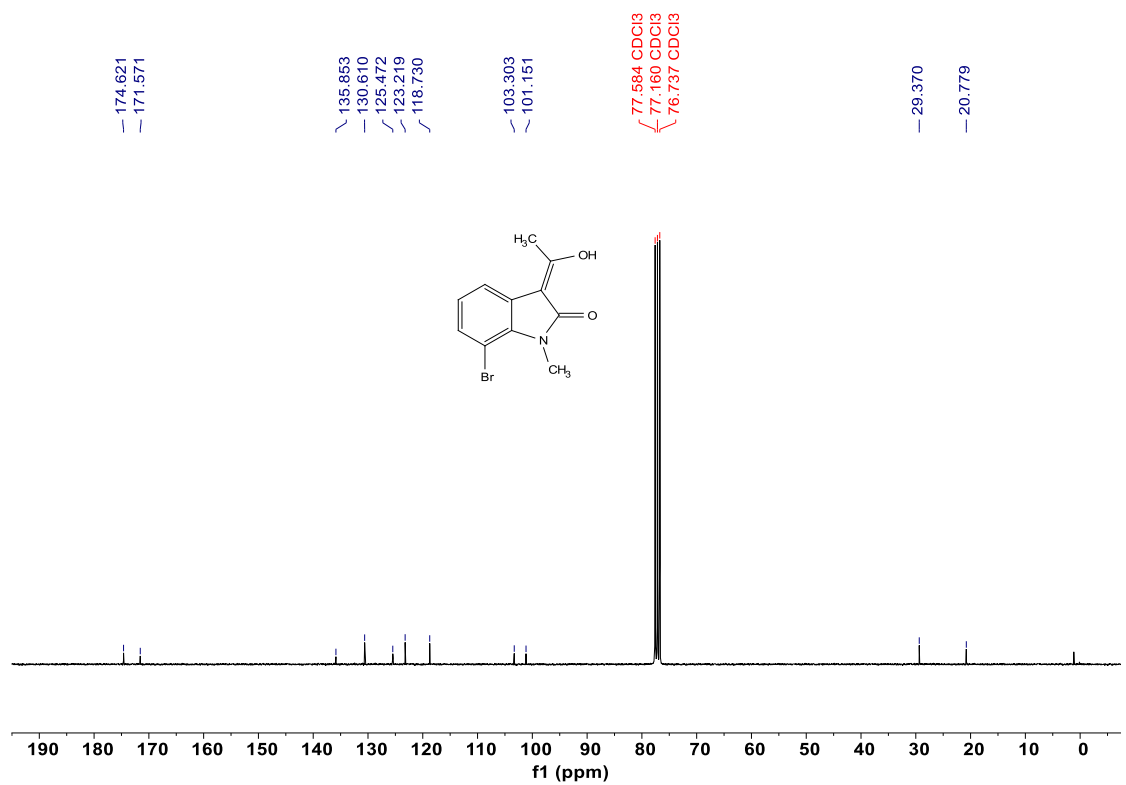


HRMS(ESI) of compound **5j**

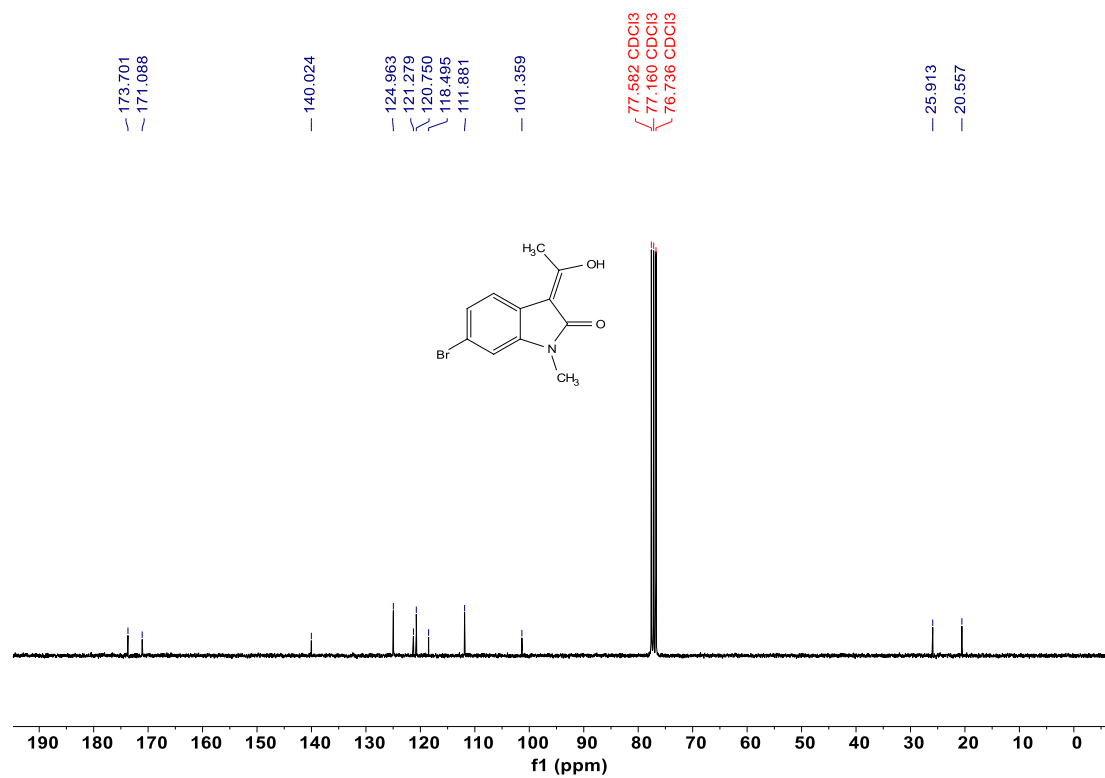
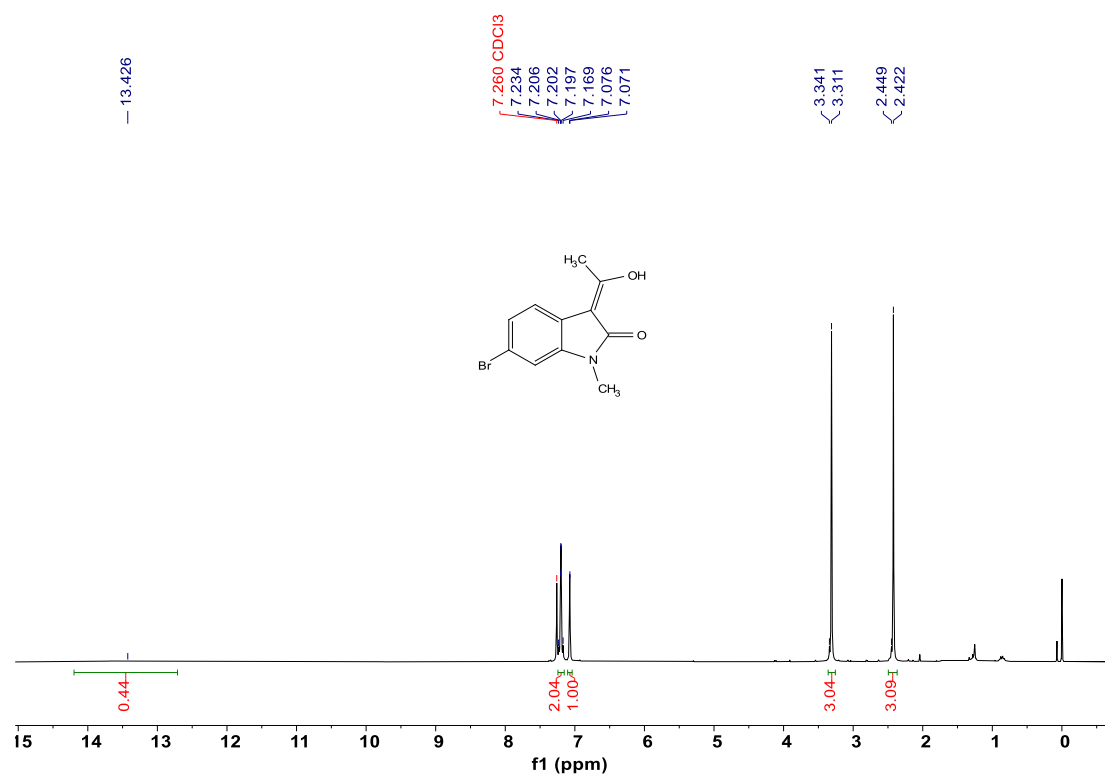




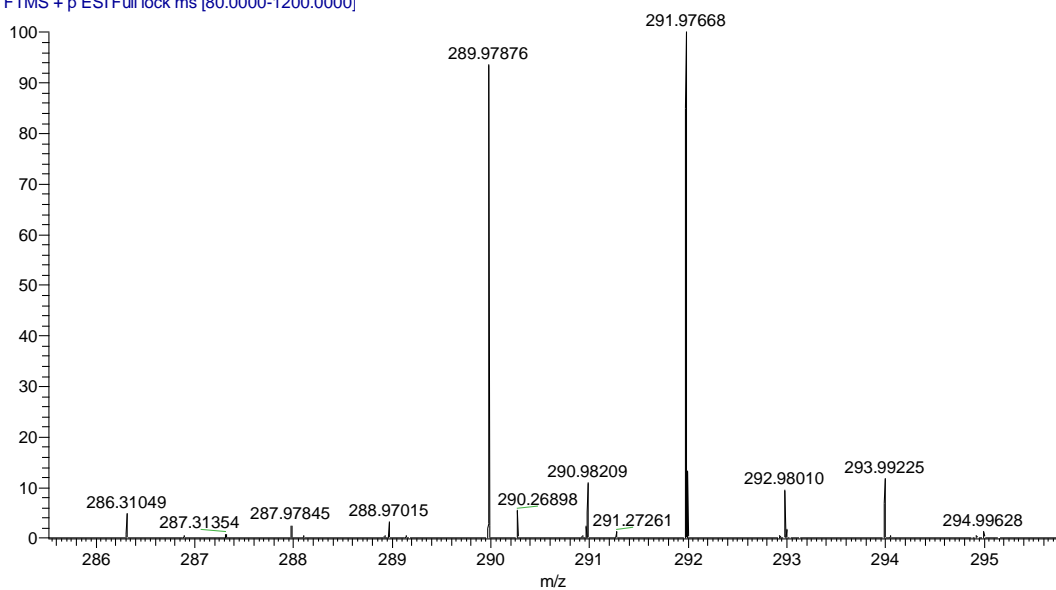
¹H NMR spectrum of compound **5l** (300 MHz, CDCl₃)



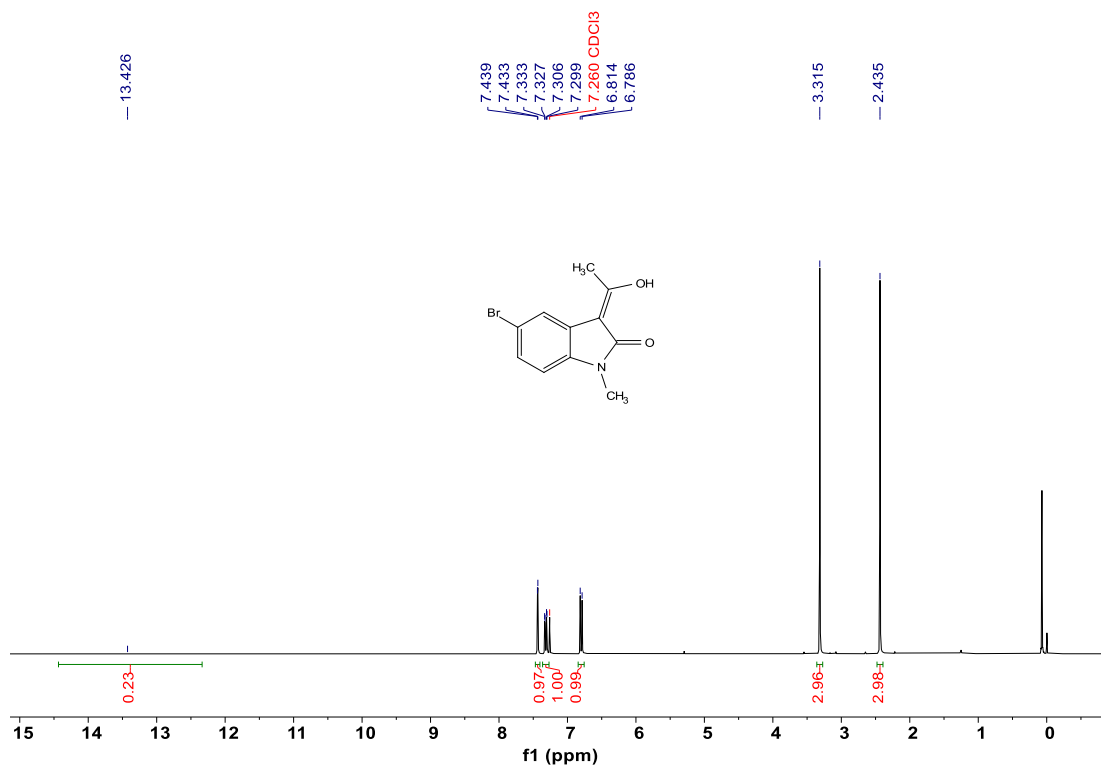
¹³C NMR spectrum of compound **5l** (75 MHz, CDCl₃)



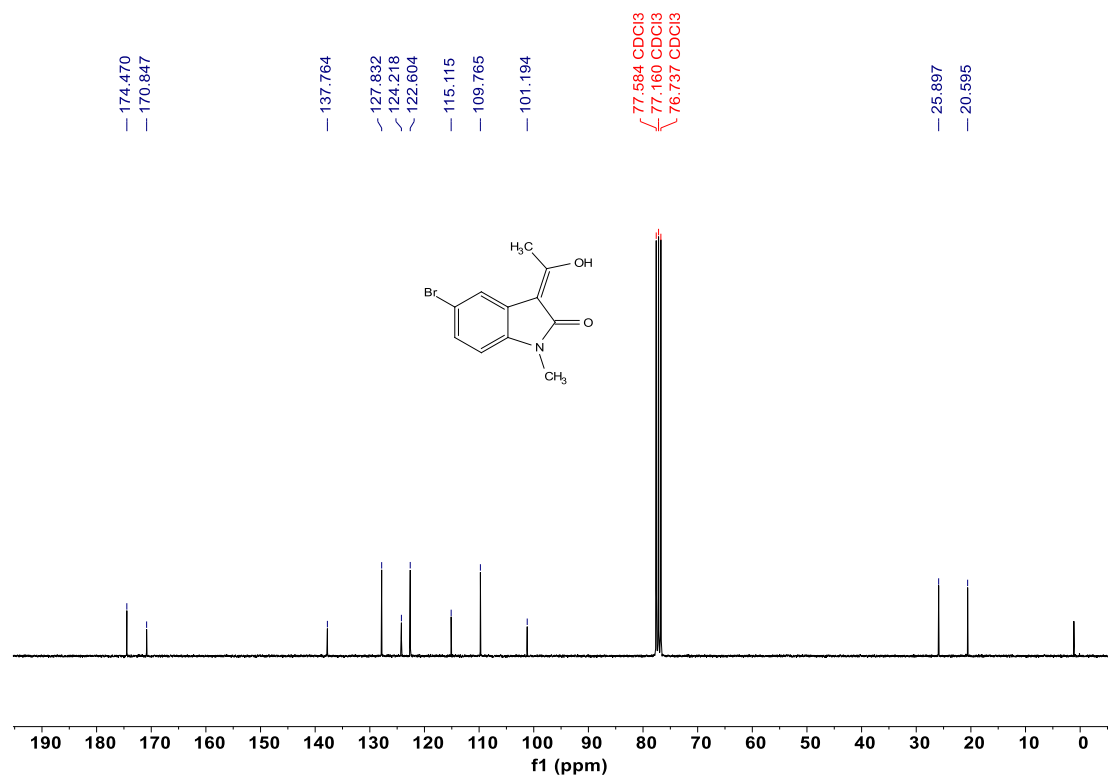
312-4 #16 RT: 0.09 AV: 1 NL: 2.68E7
T: FTMS + p ESI Full lock ms [80.0000-1200.0000]



HRMS(ESI) of compound **5m**

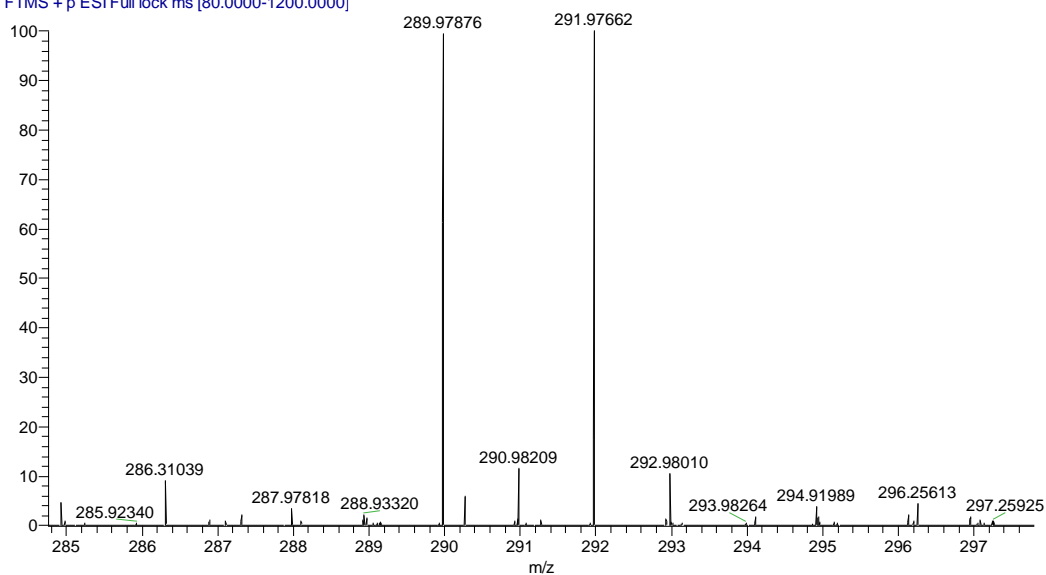


¹H NMR spectrum of compound **5n** (300 MHz, CDCl₃)

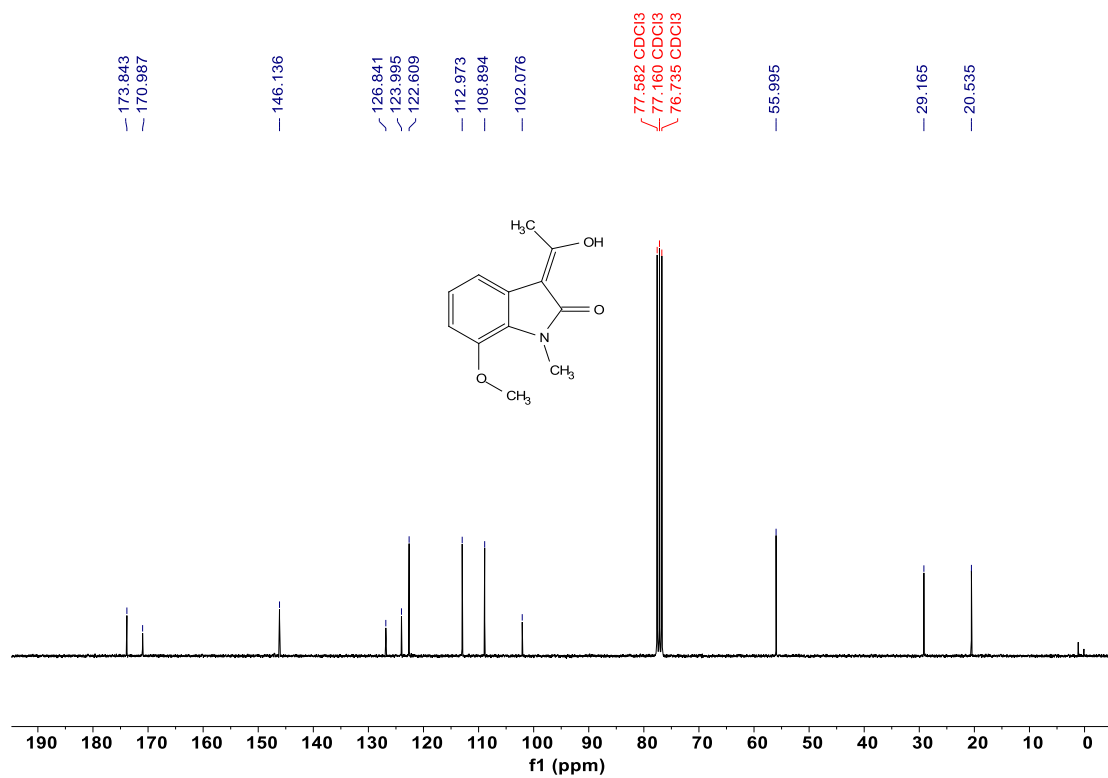
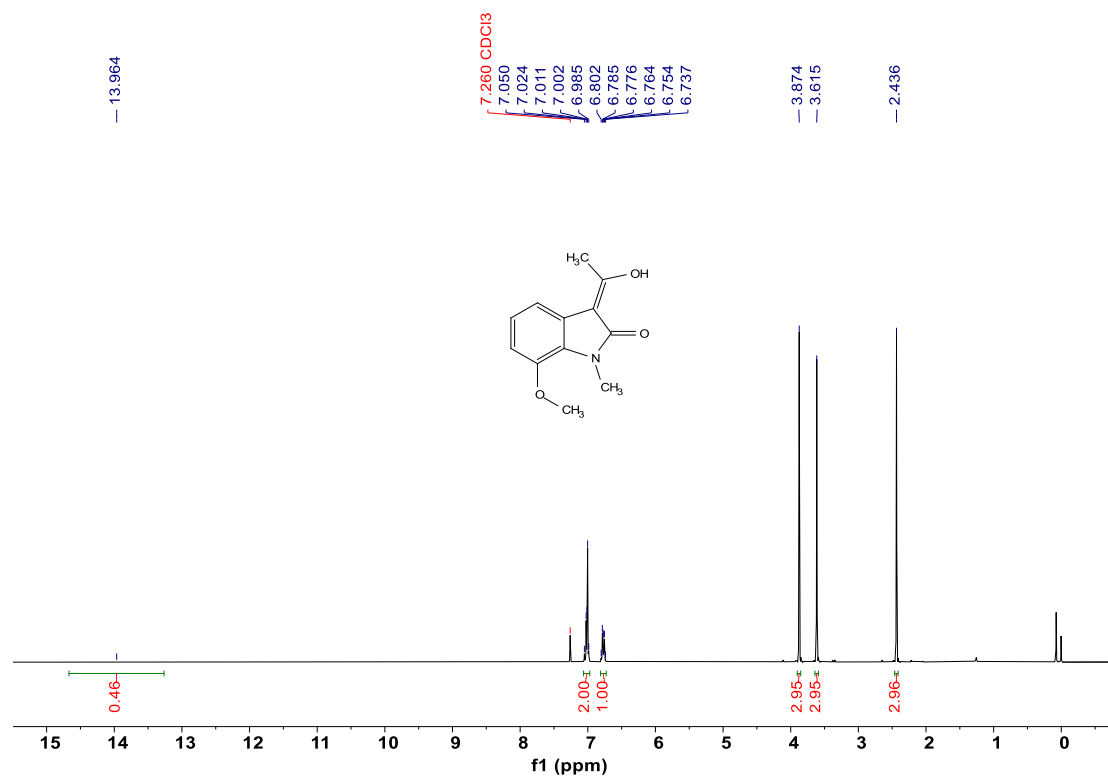


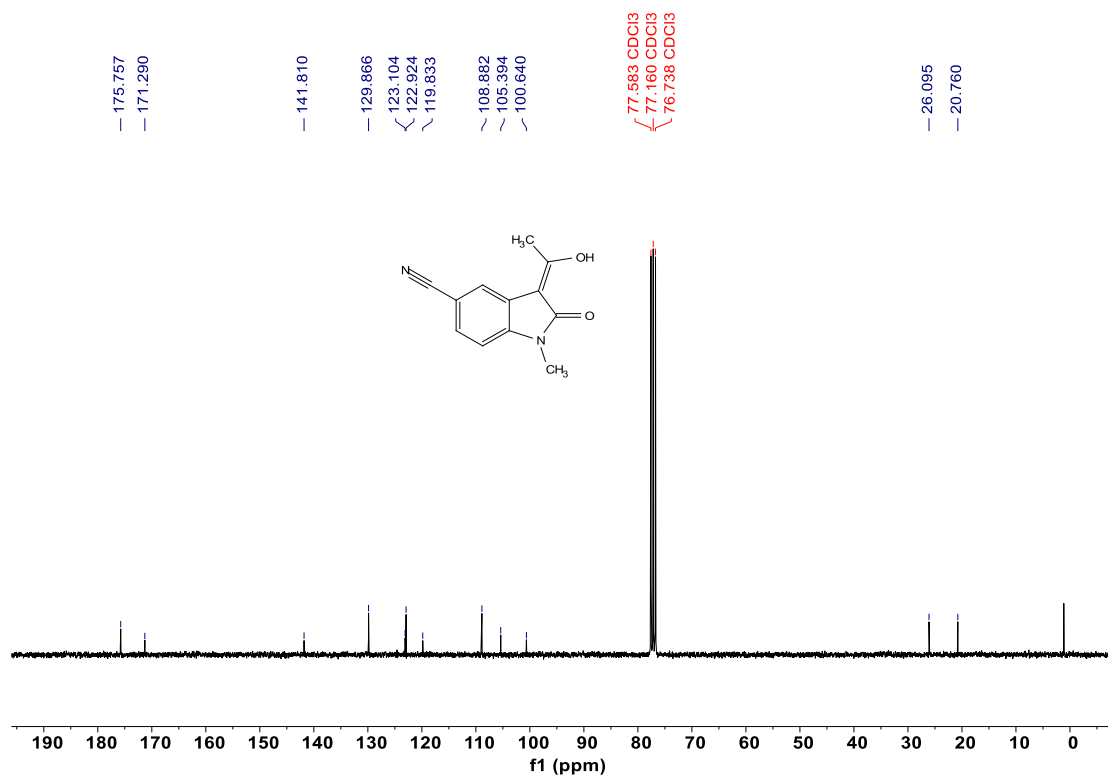
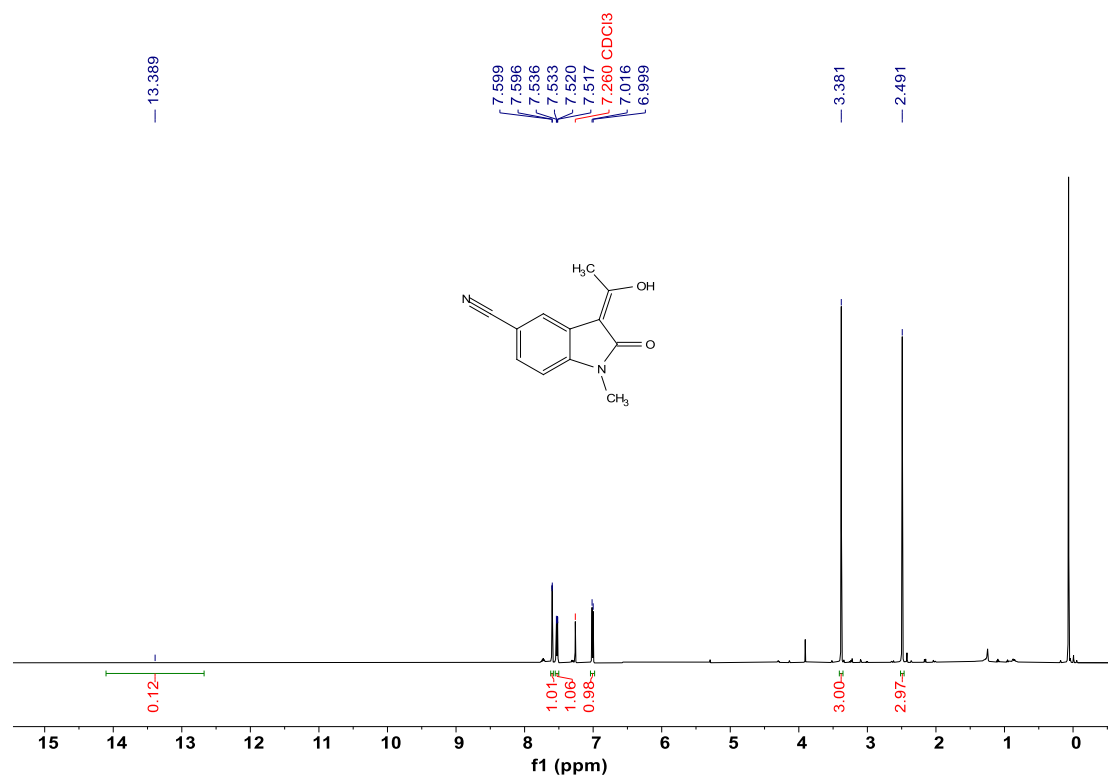
¹³C NMR spectrum of compound **5n** (75 MHz, CDCl₃)

312-3 #14 RT: 0.08 AV: 1 NL: 1.09E7
T: FTMS + p ESI Full lock ms [80.0000-1200.0000]

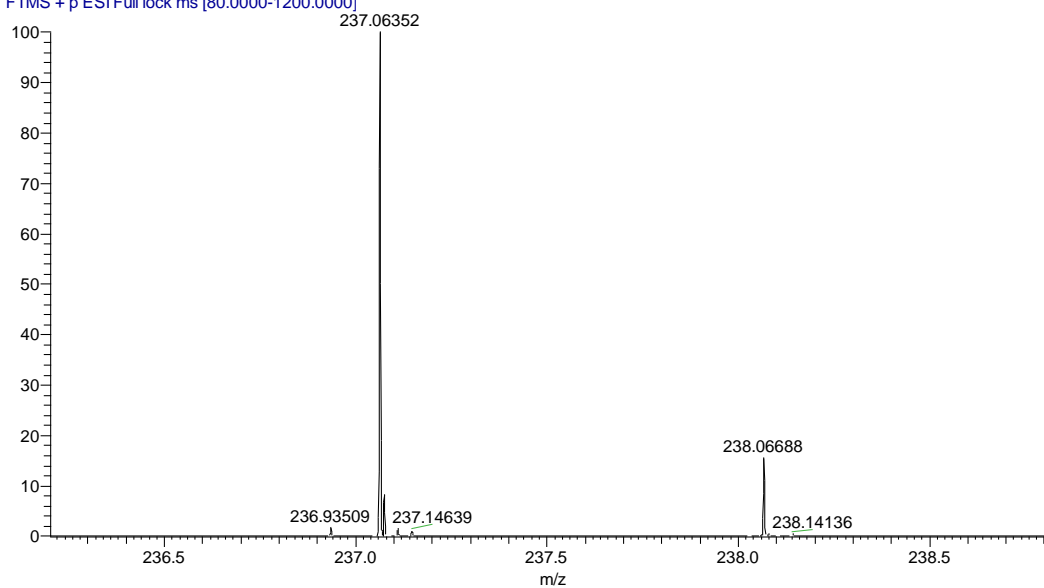


HRMS(ESI) of compound **5n**

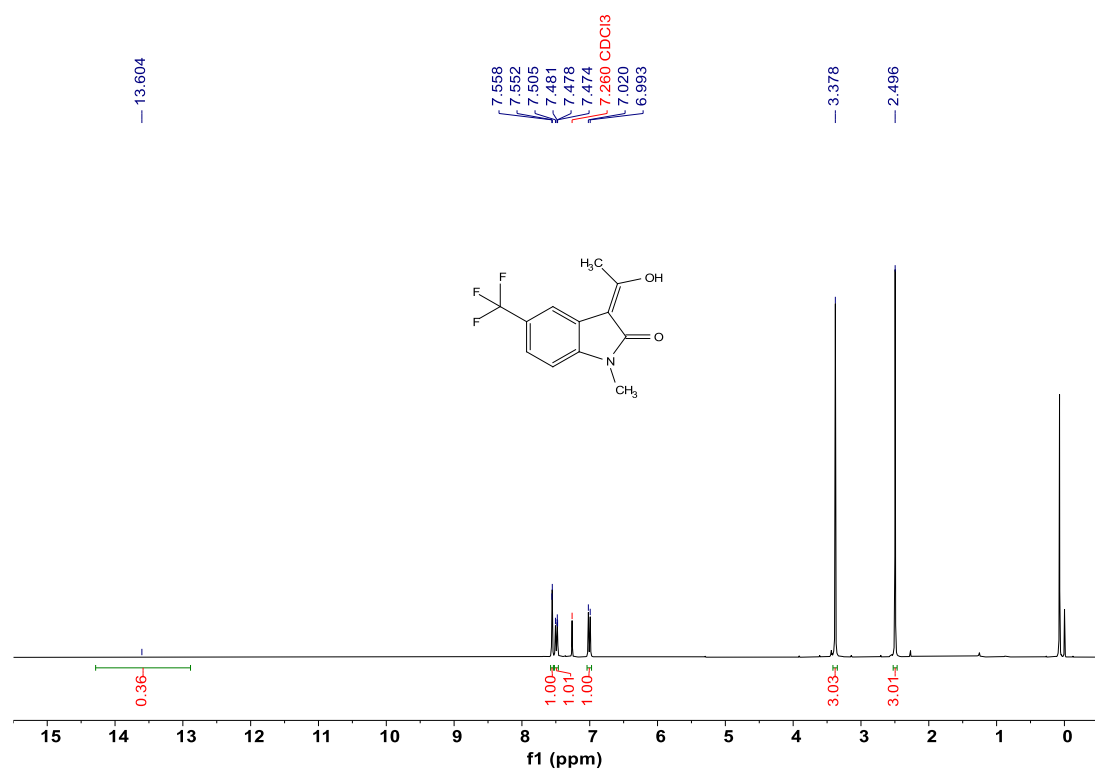




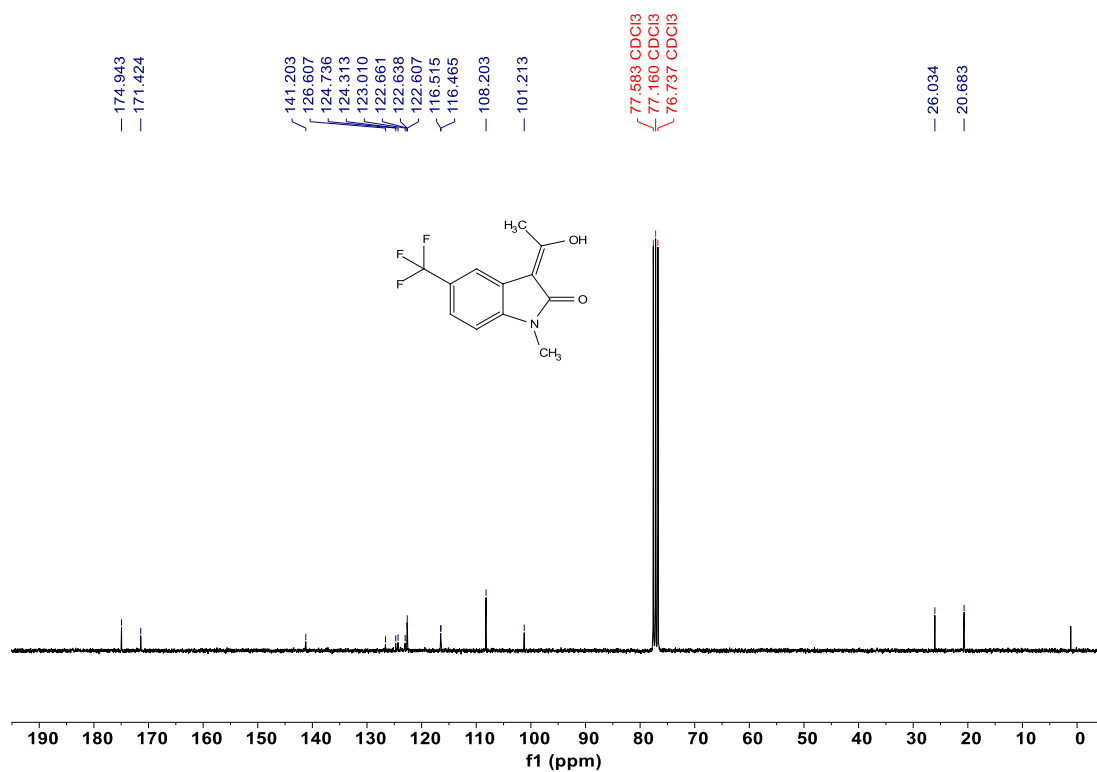
312-8 #52 RT: 0.28 AV: 1 NL: 3.80E6
T: FTMS + p ESI Full lock ms [80.0000-1200.0000]



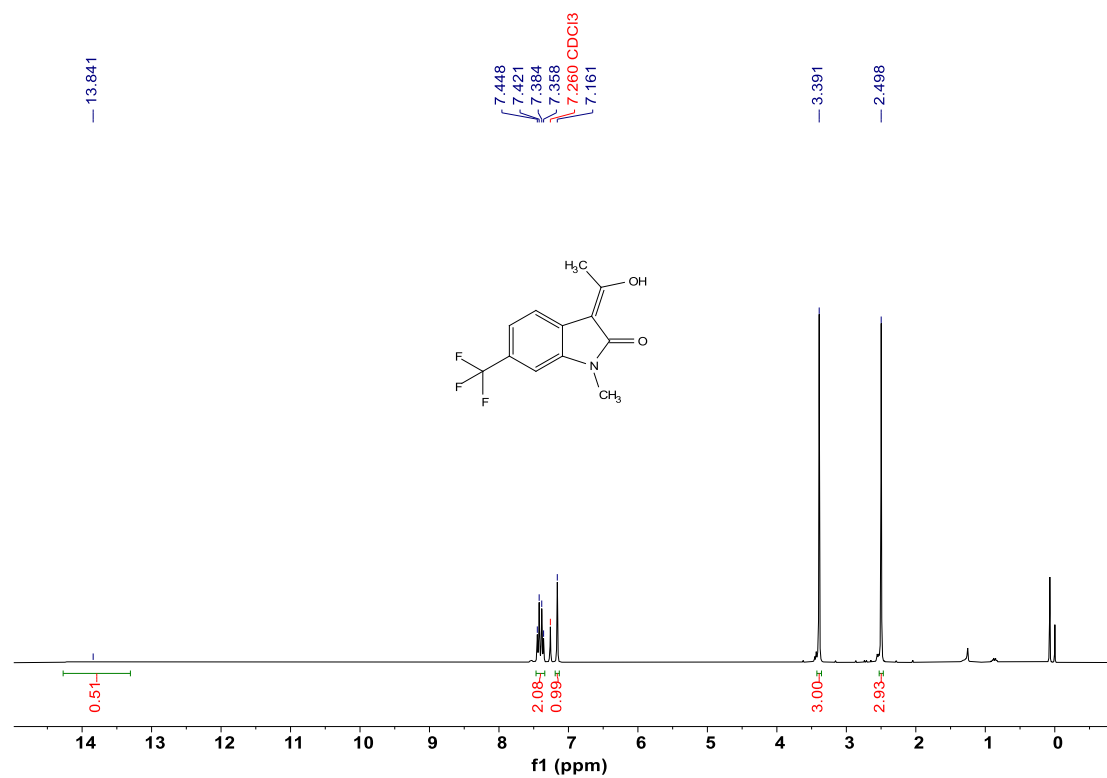
HRMS(ESI) of compound **5p**



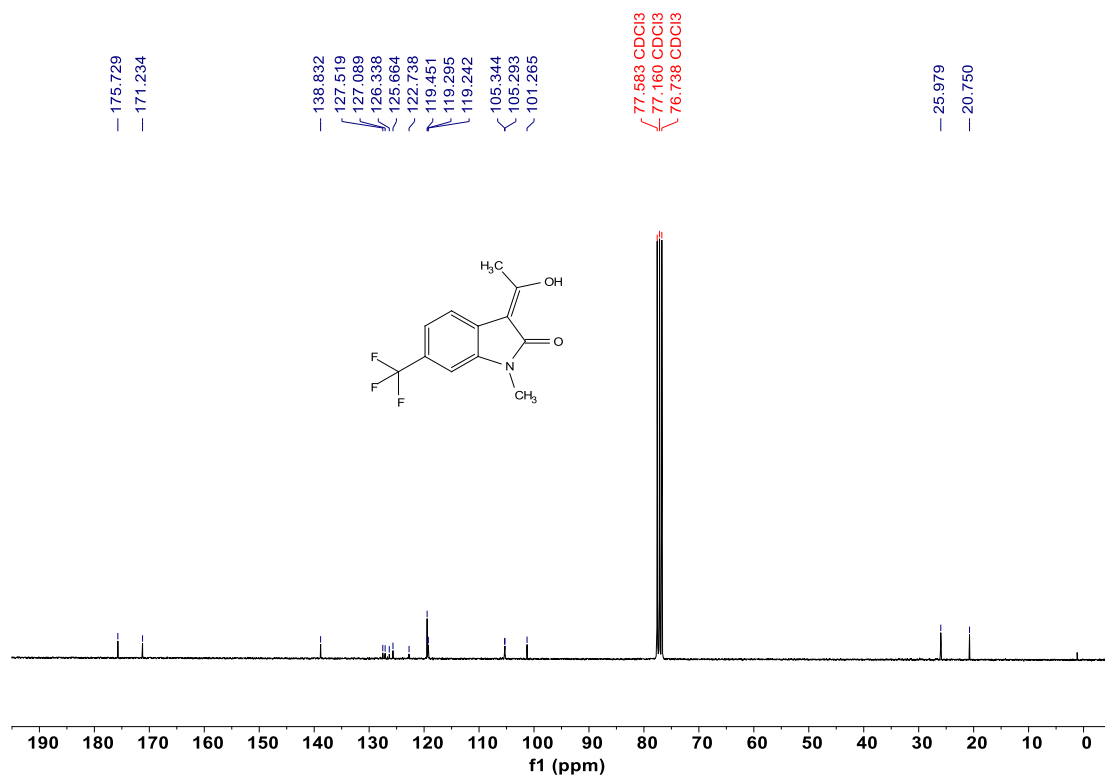
¹H NMR spectrum of compound **5q** (300 MHz, CDCl₃)



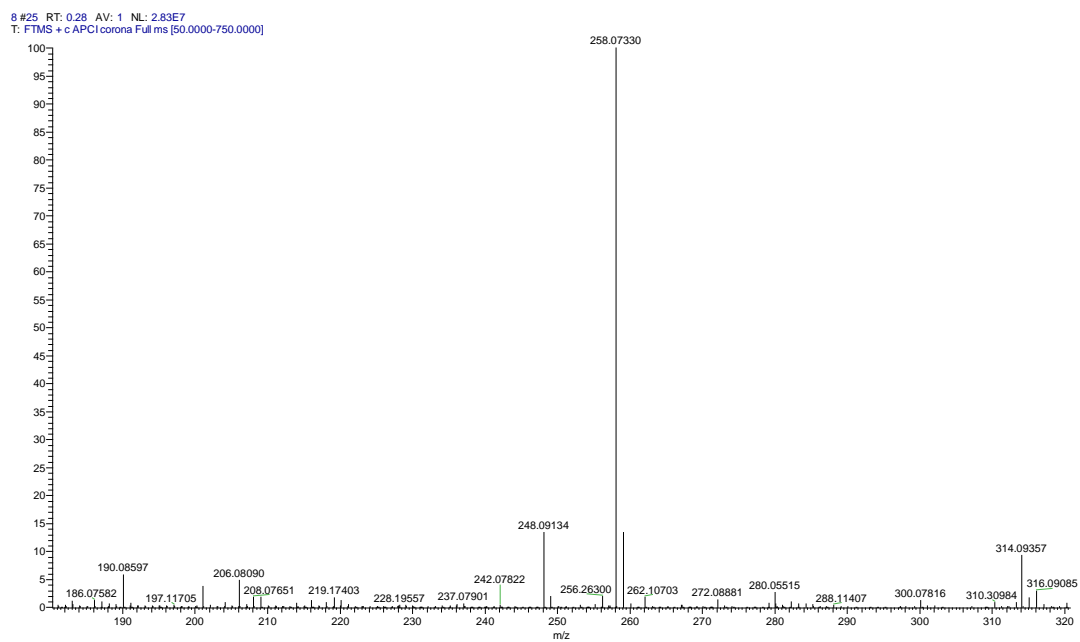
¹³C NMR spectrum of compound **5q** (75 MHz, CDCl₃)



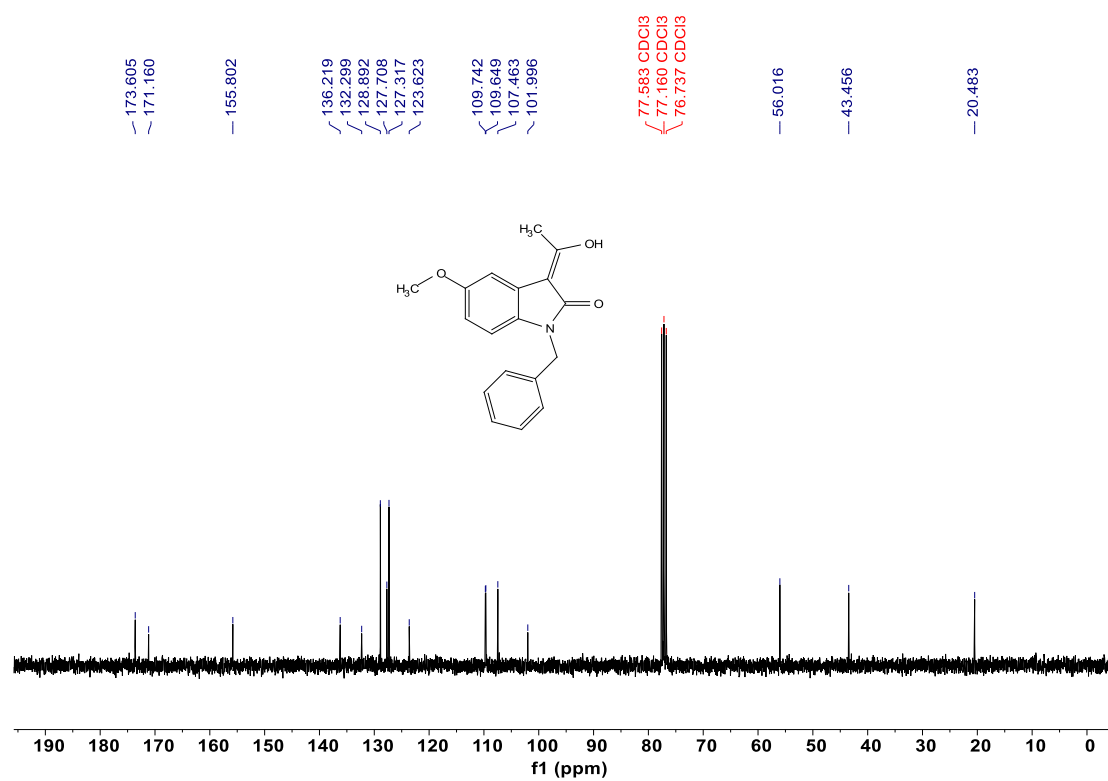
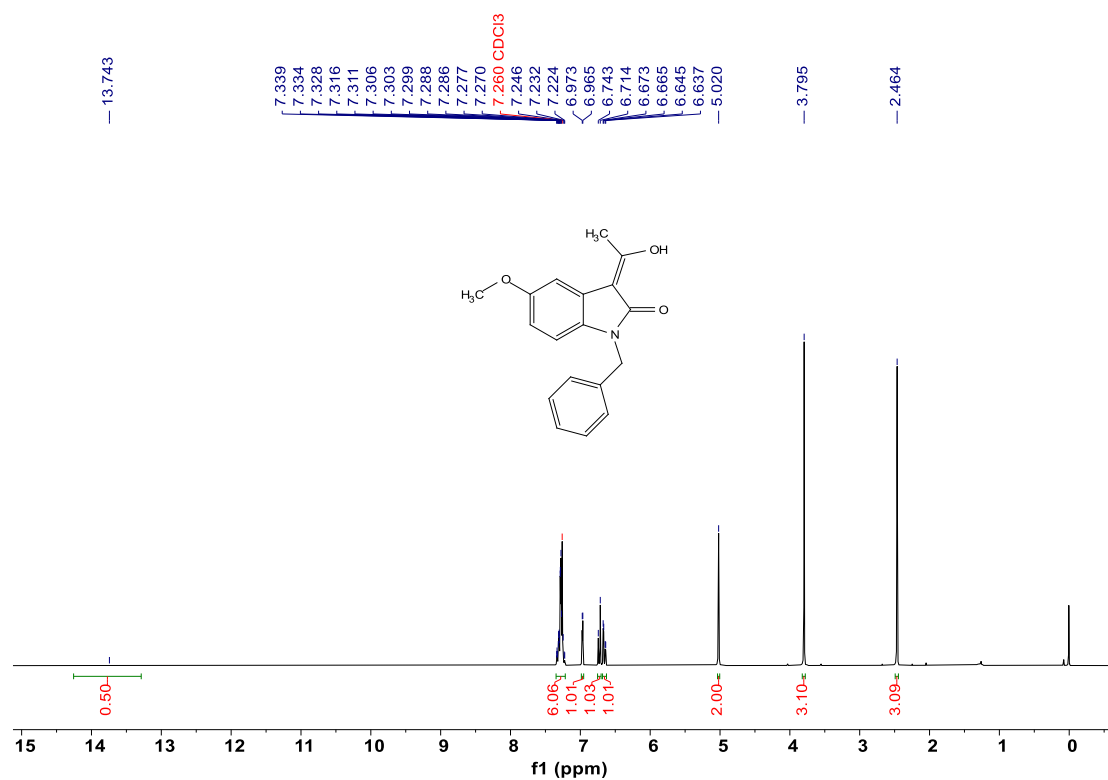
¹H NMR spectrum of compound **5r** (300 MHz, CDCl₃)



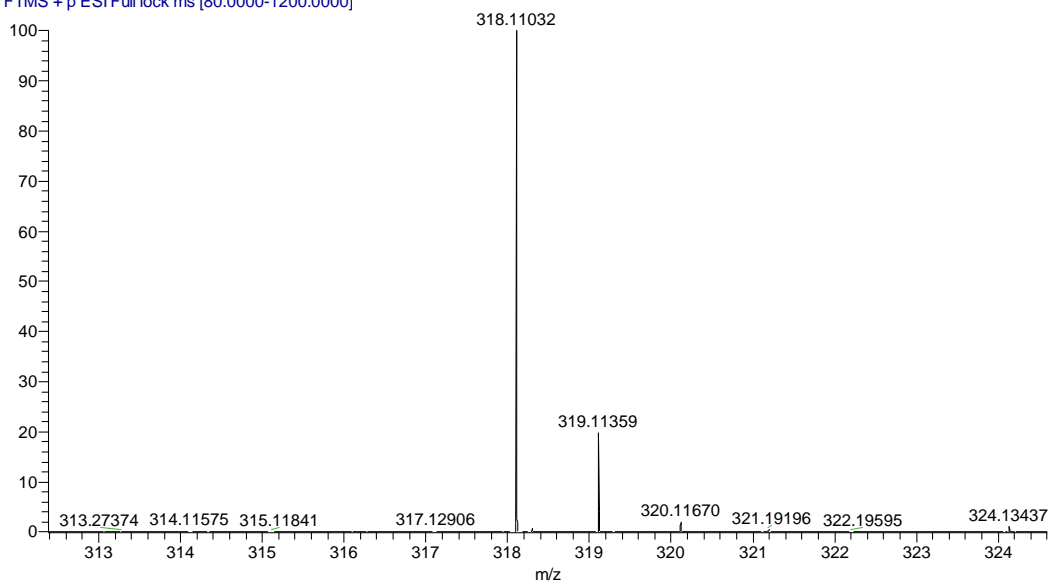
¹³C NMR spectrum of compound **5r** (75 MHz, CDCl₃)



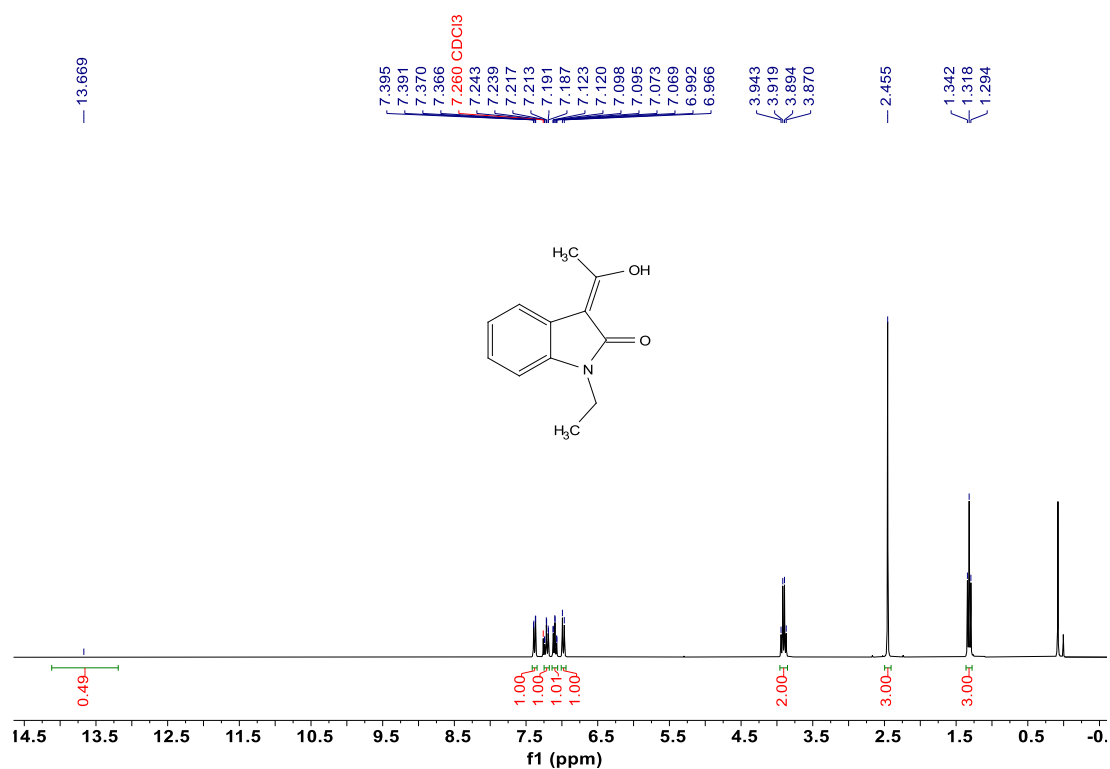
HRMS(APCI) of compound **5r**



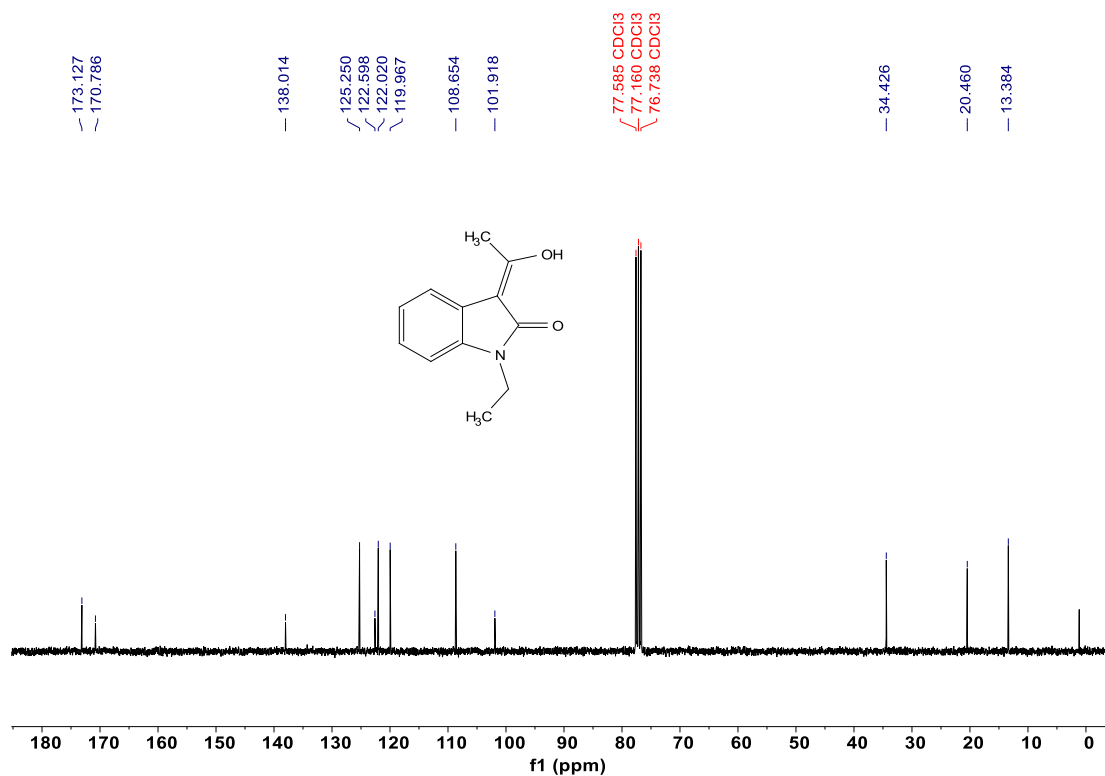
312-9 #16 RT: 0.09 AV: 1 NL: 6.19E8
T: FTMS + p ESI Full lock ms [80.0000-1200.0000]



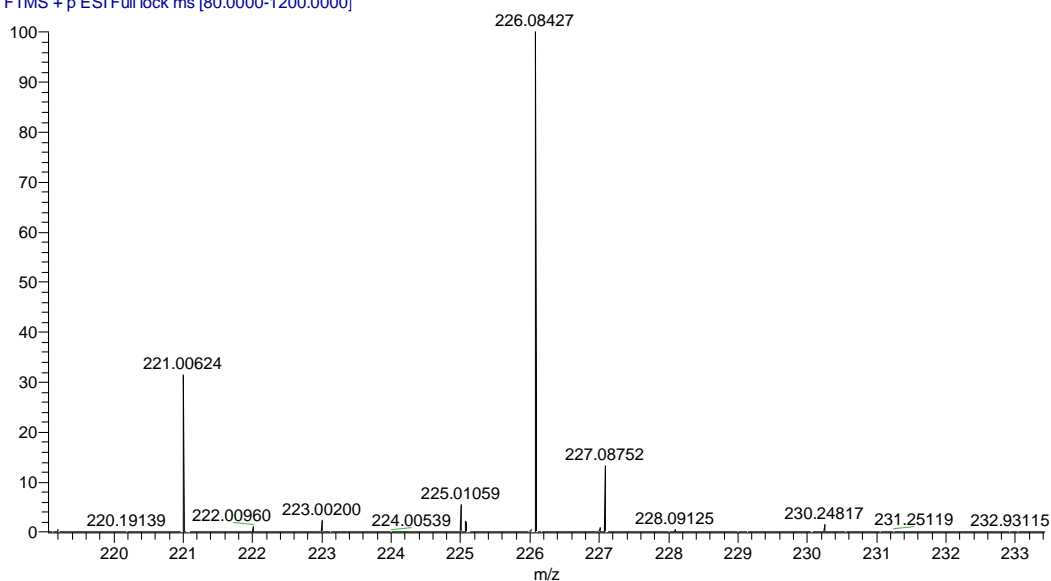
HRMS(ESI) of compound **5s**

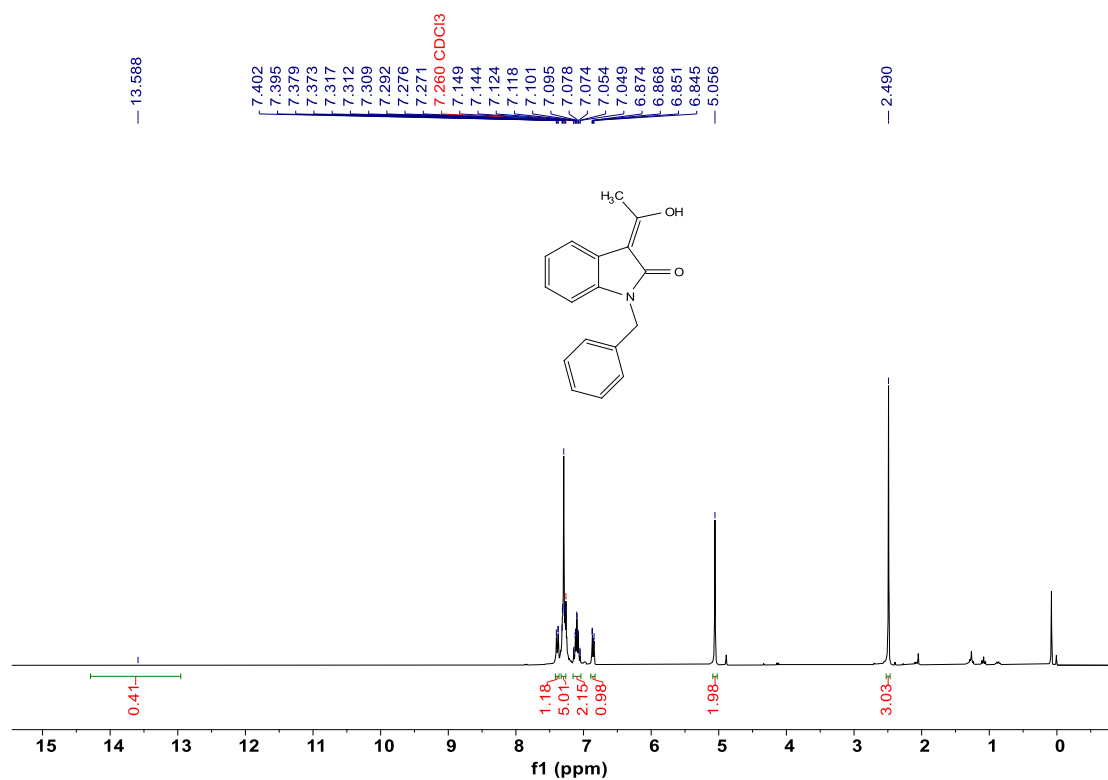


¹H NMR spectrum of compound **5t** (300 MHz, CDCl₃)

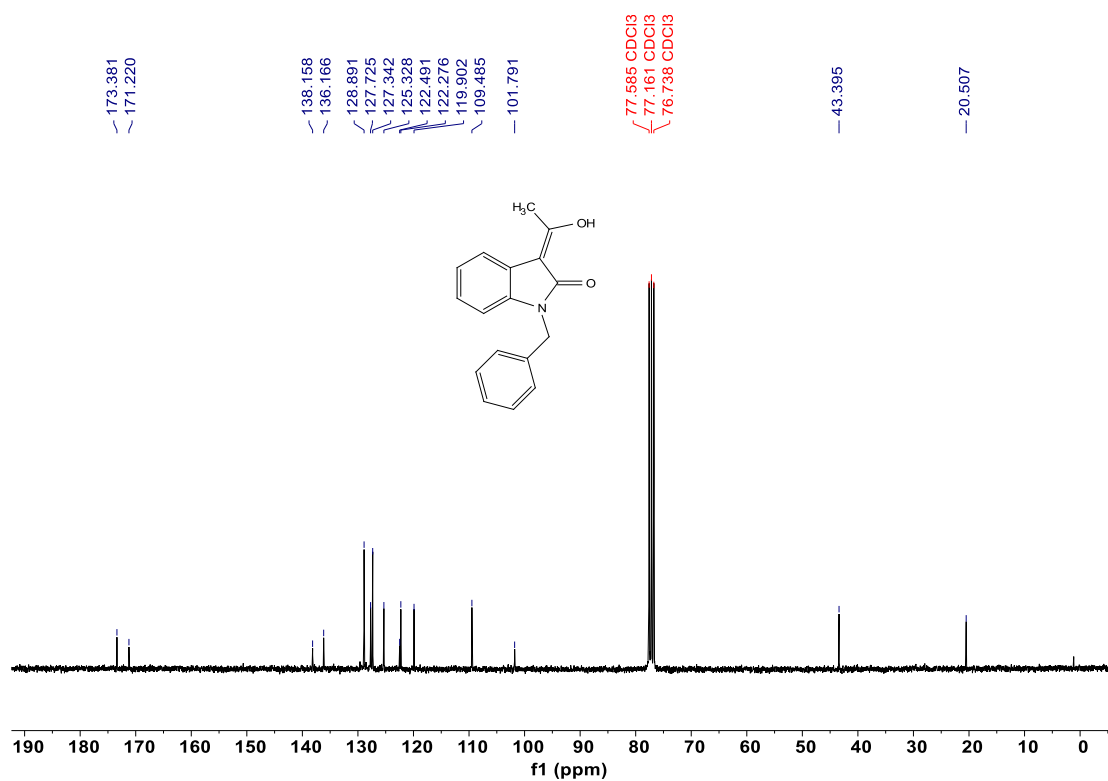


312-5 #23 RT: 0.13 AV: 1 NL: 2.44E8
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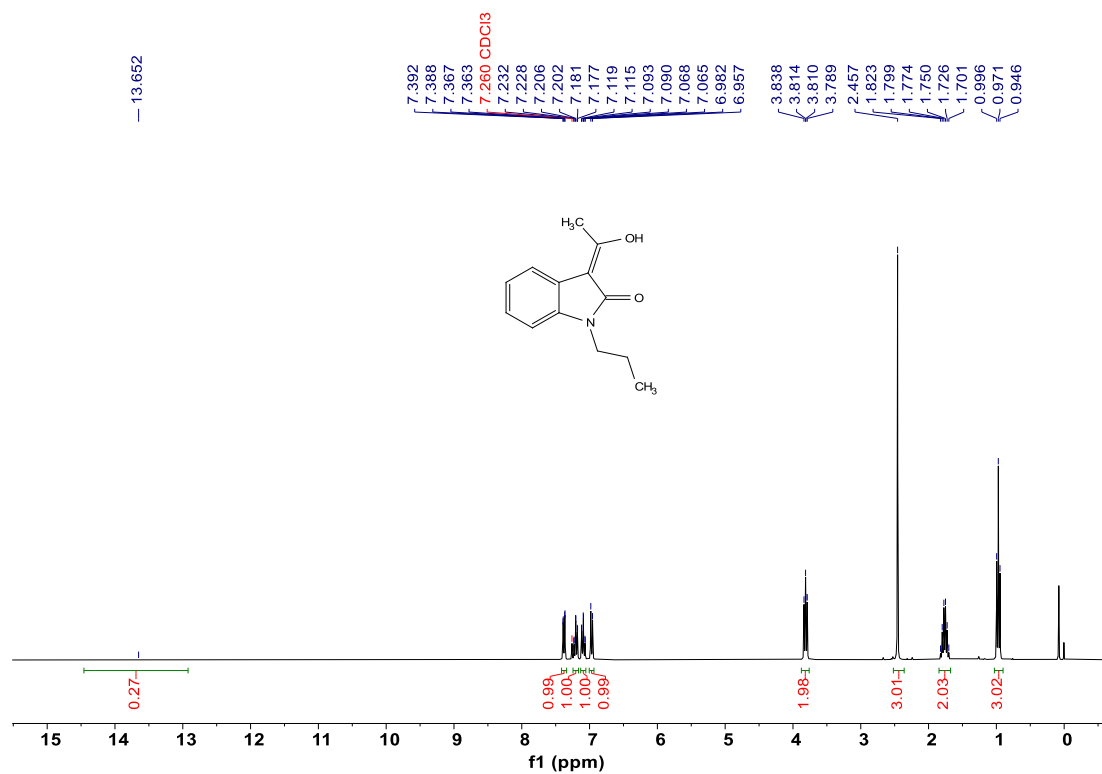




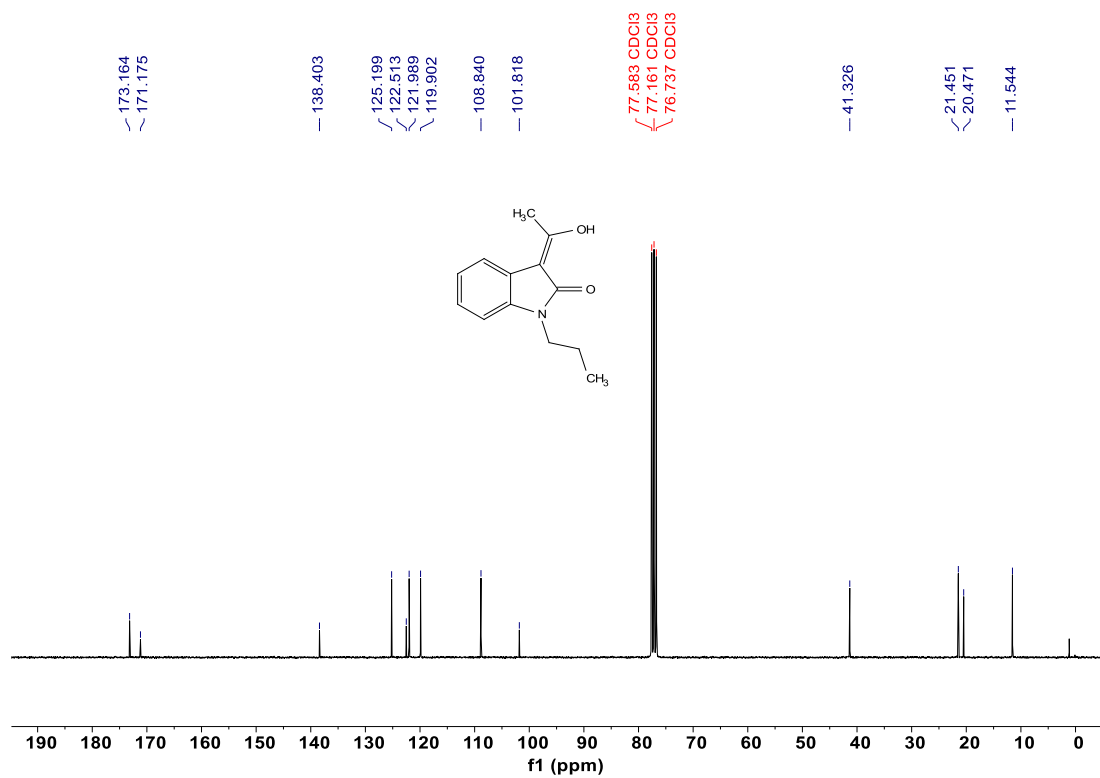
¹H NMR spectrum of compound **5u** (300 MHz, CDCl₃)



¹³C NMR spectrum of compound **5u** (75 MHz, CDCl₃)

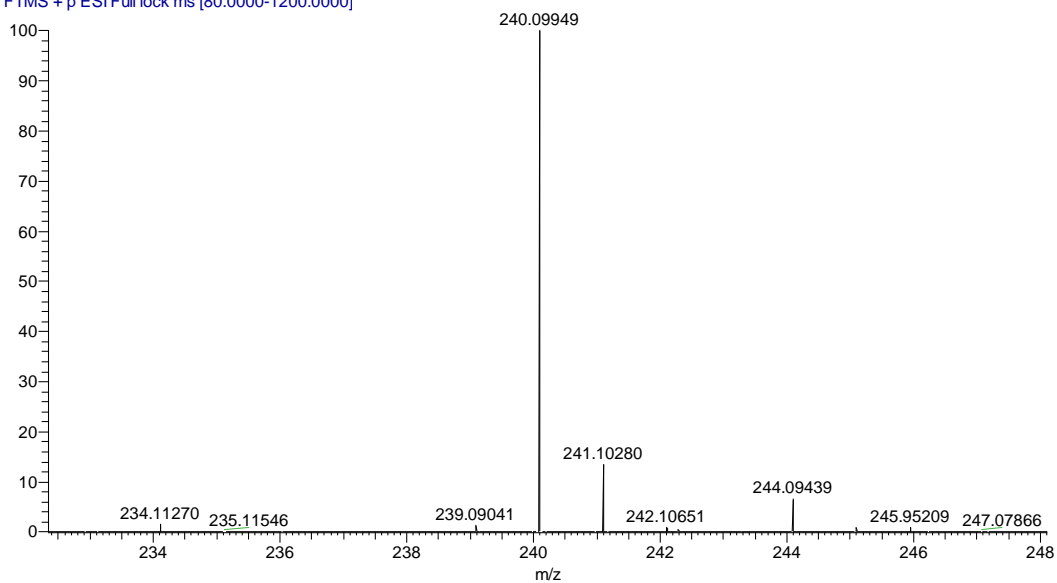


¹H NMR spectrum of compound **5v** (300 MHz, CDCl₃)

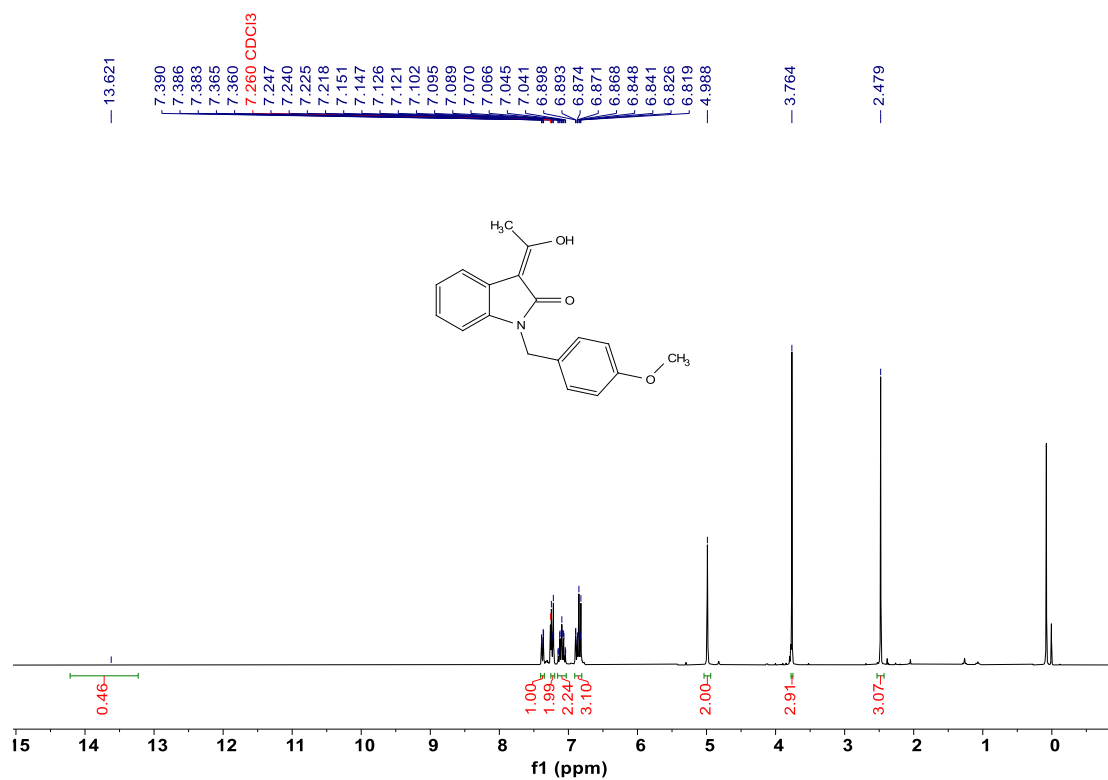


¹³C NMR spectrum of compound **5v** (75 MHz, CDCl₃)

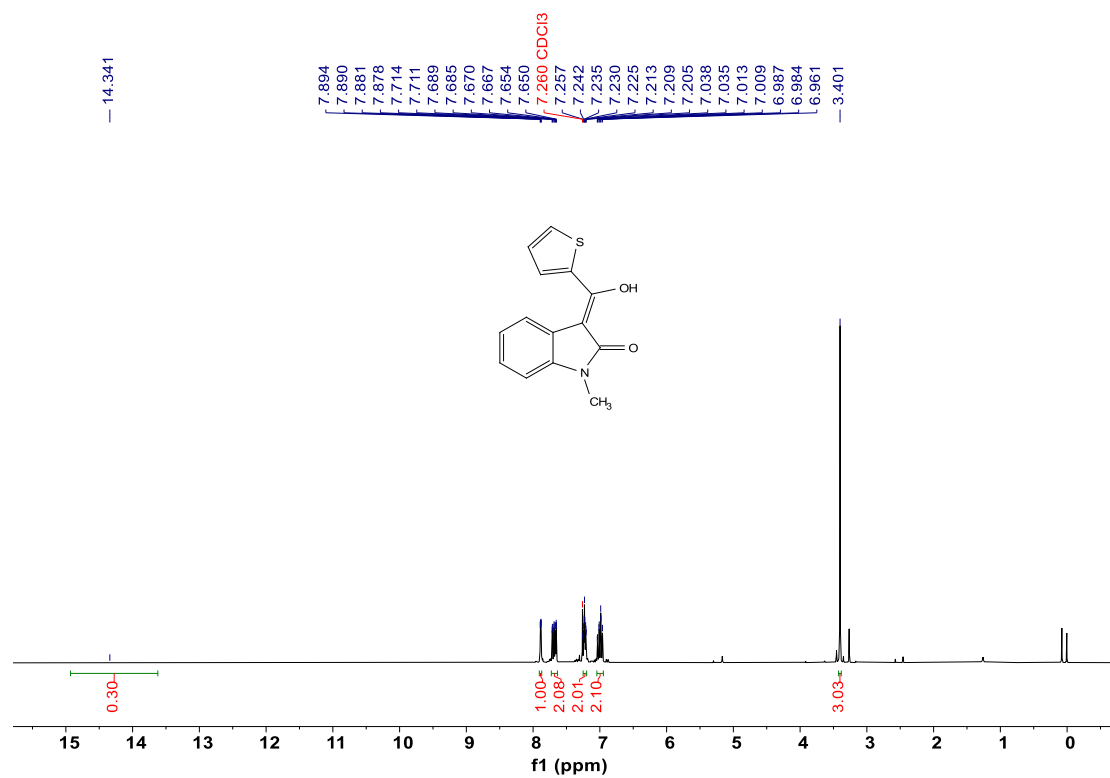
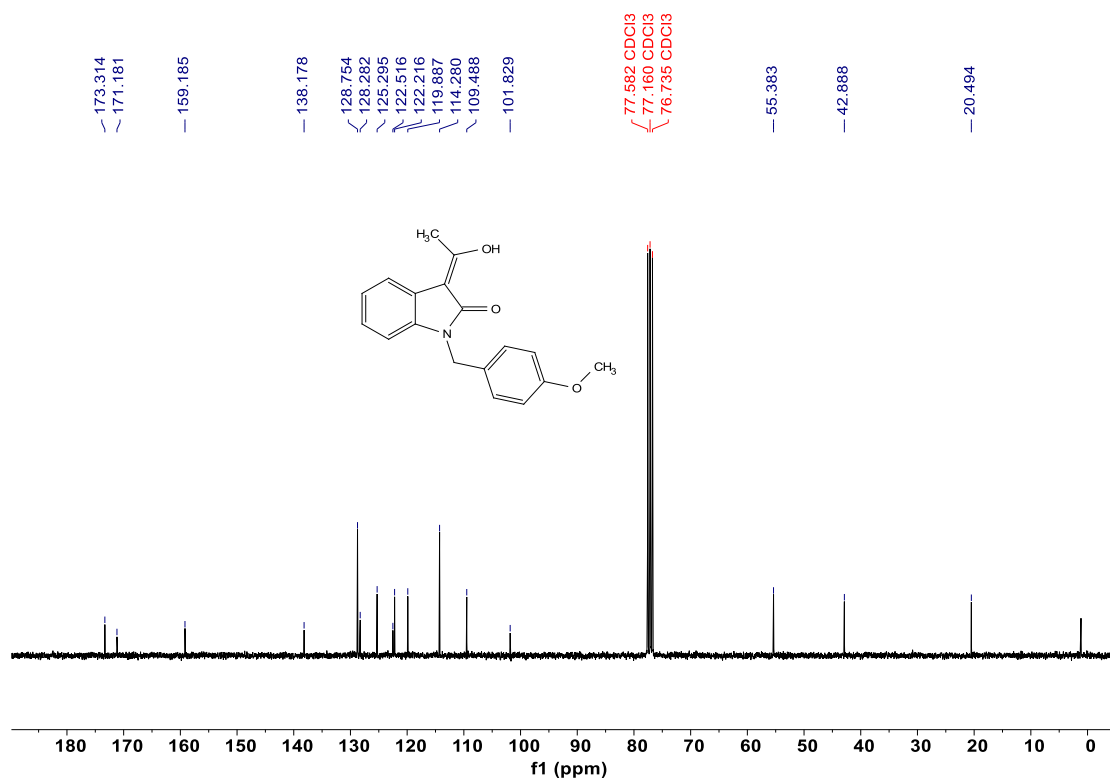
312-2 #15 RT: 0.08 AV: 1 NL: 5.52E8
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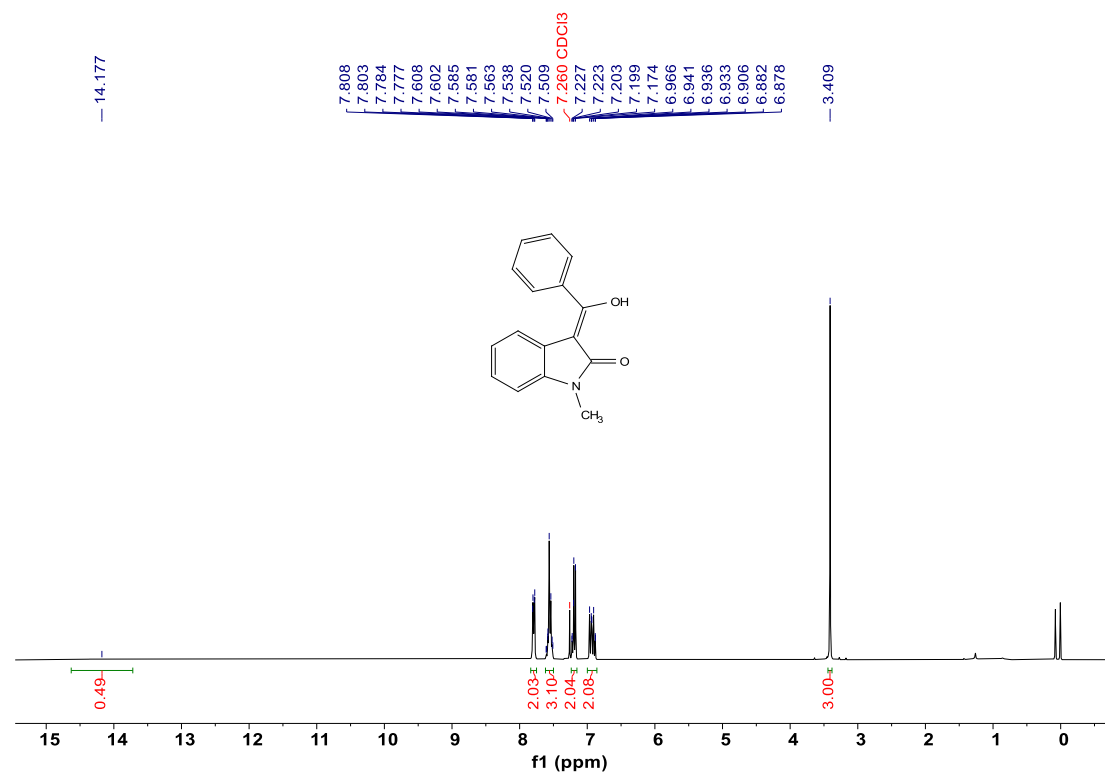
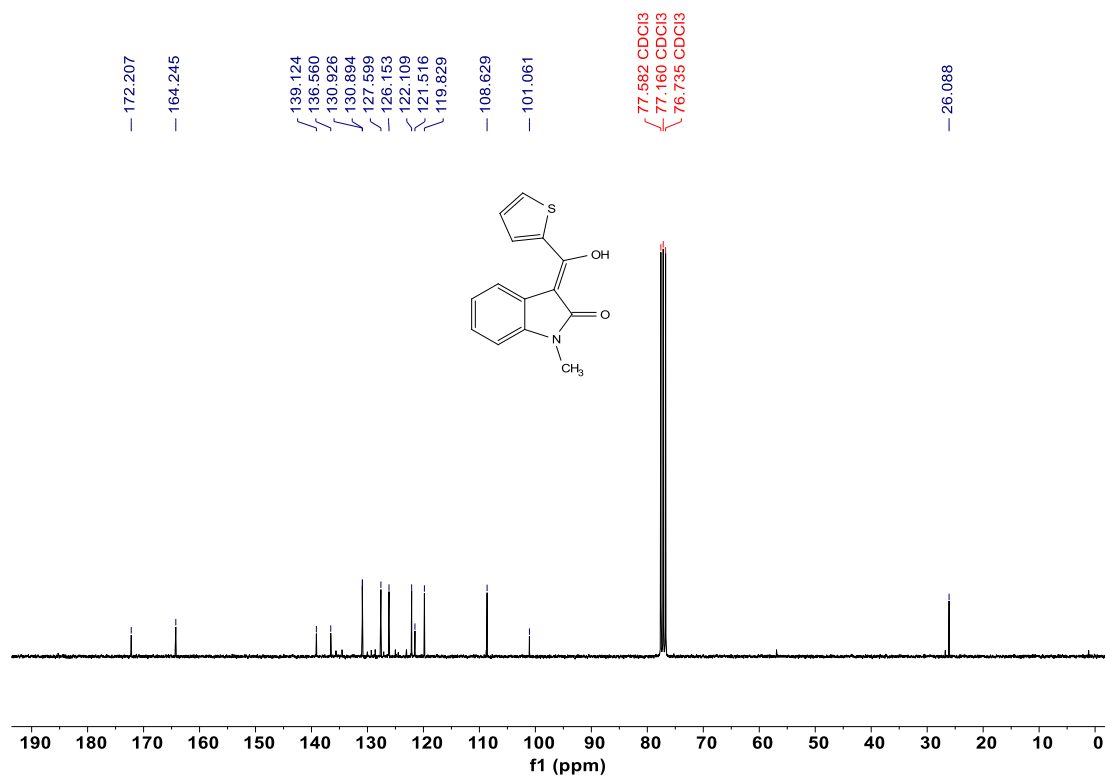
HRMS(ESI) of compound **5v**



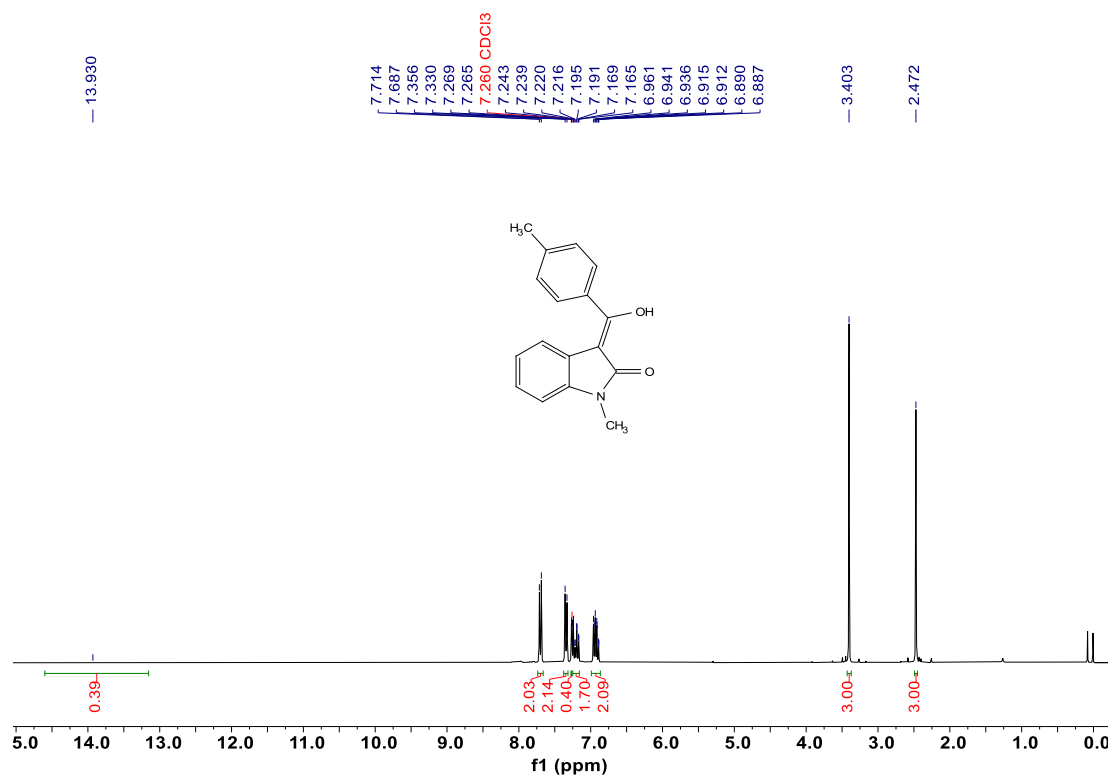
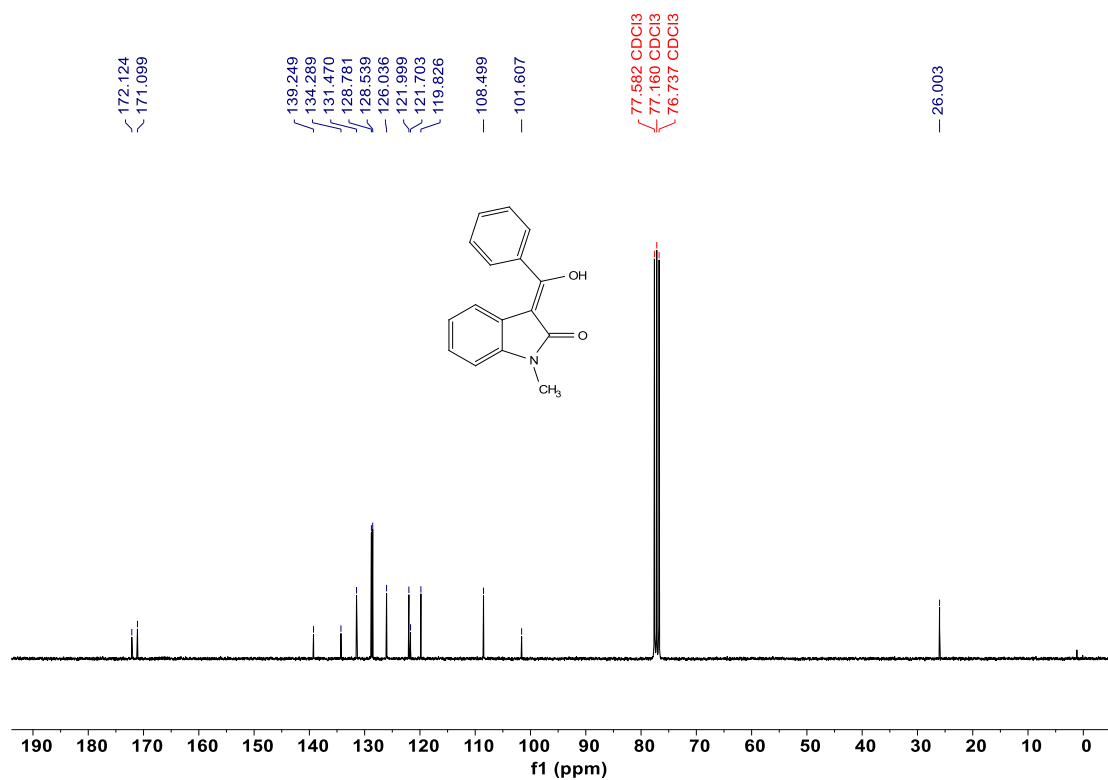
¹H NMR spectrum of compound **5w** (300 MHz, CDCl₃)



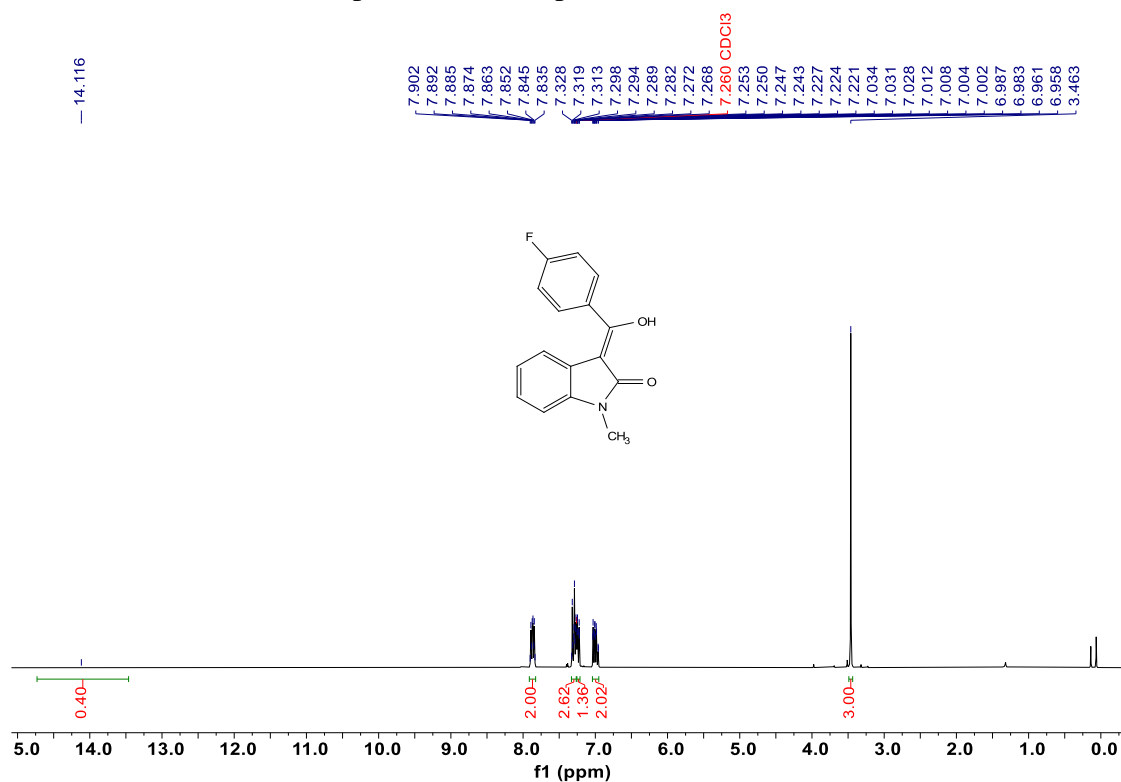
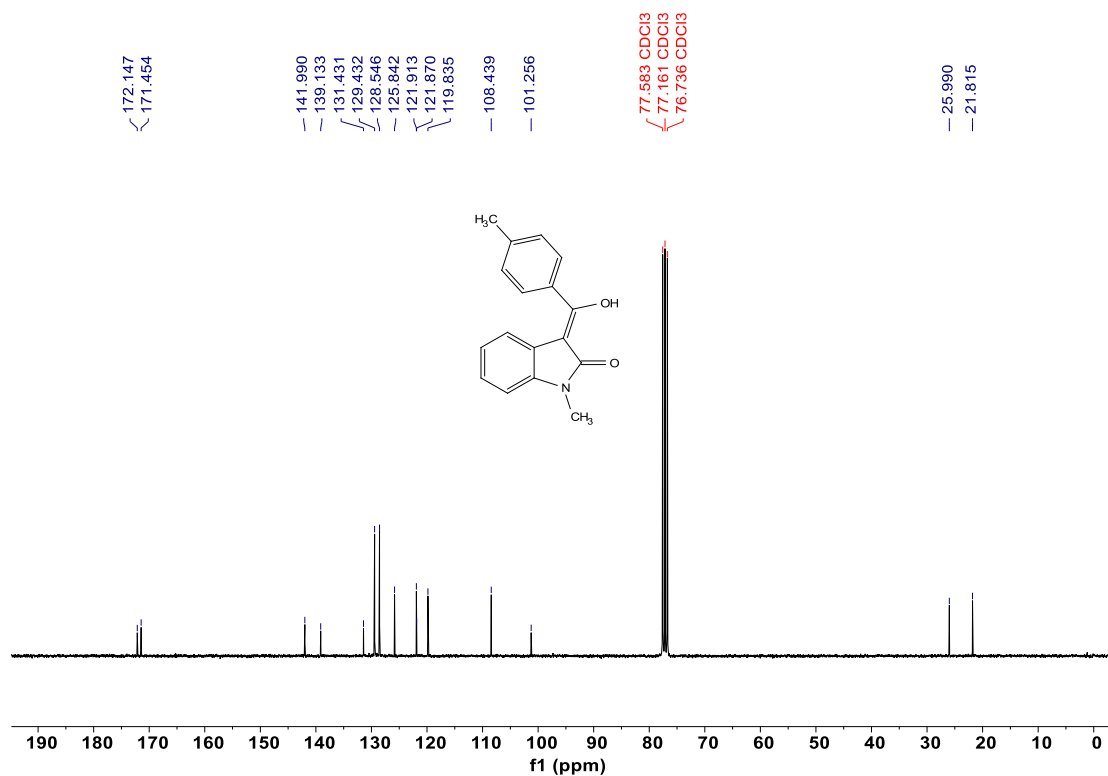
¹H NMR spectrum of compound **10a** (300 MHz, CDCl₃)



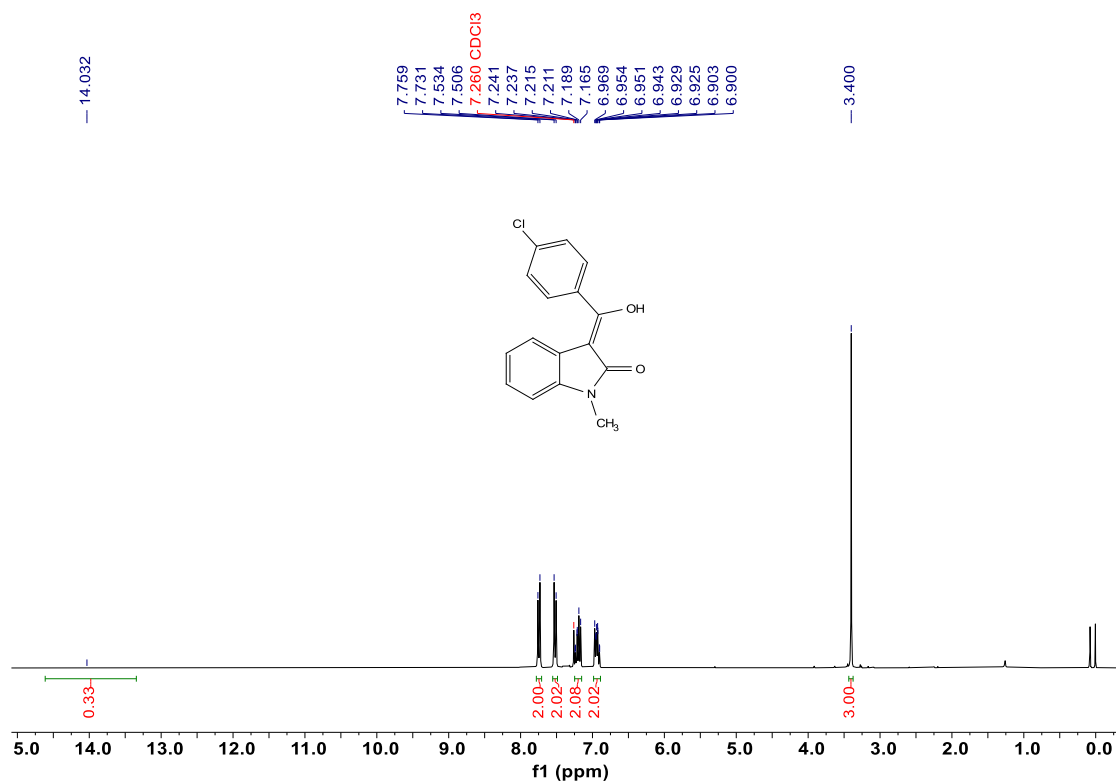
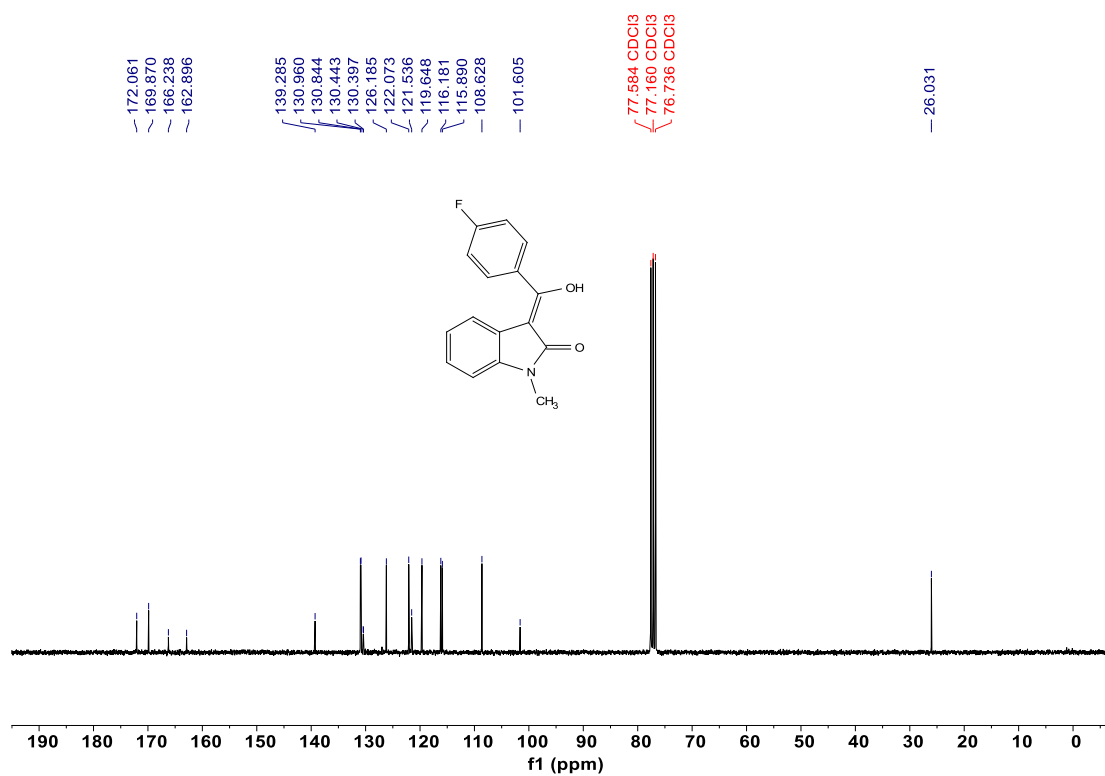
¹H NMR spectrum of compound **10b (300 MHz, CDCl₃)**



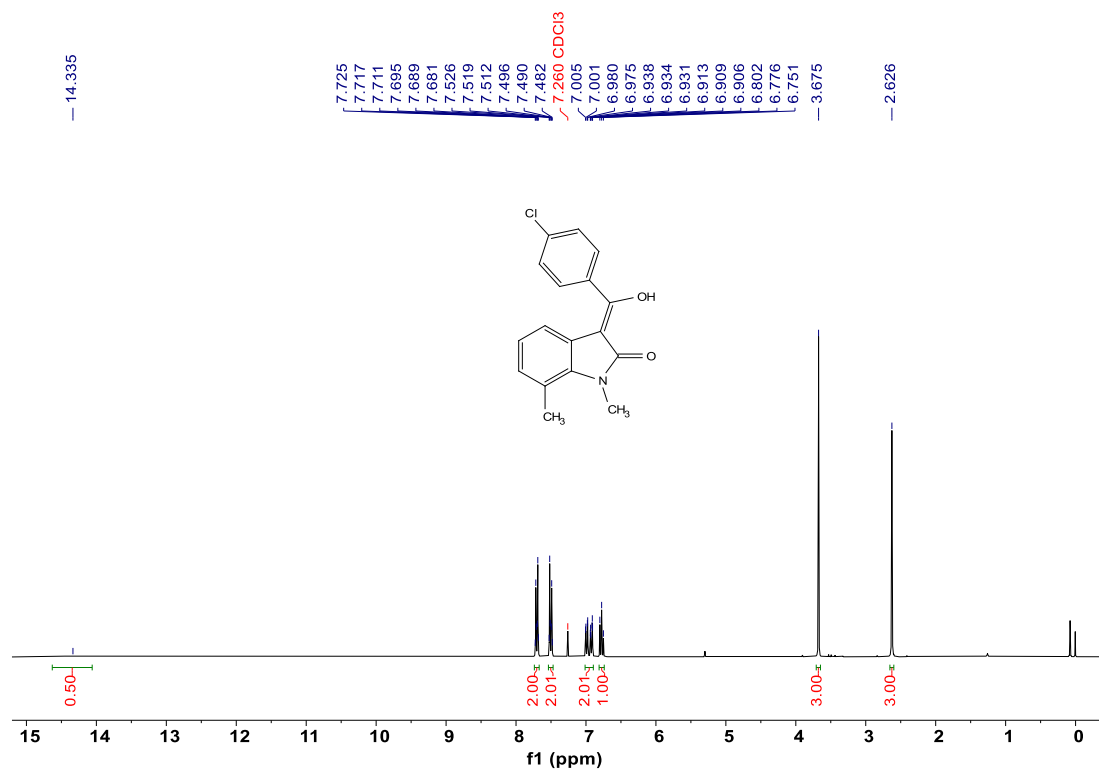
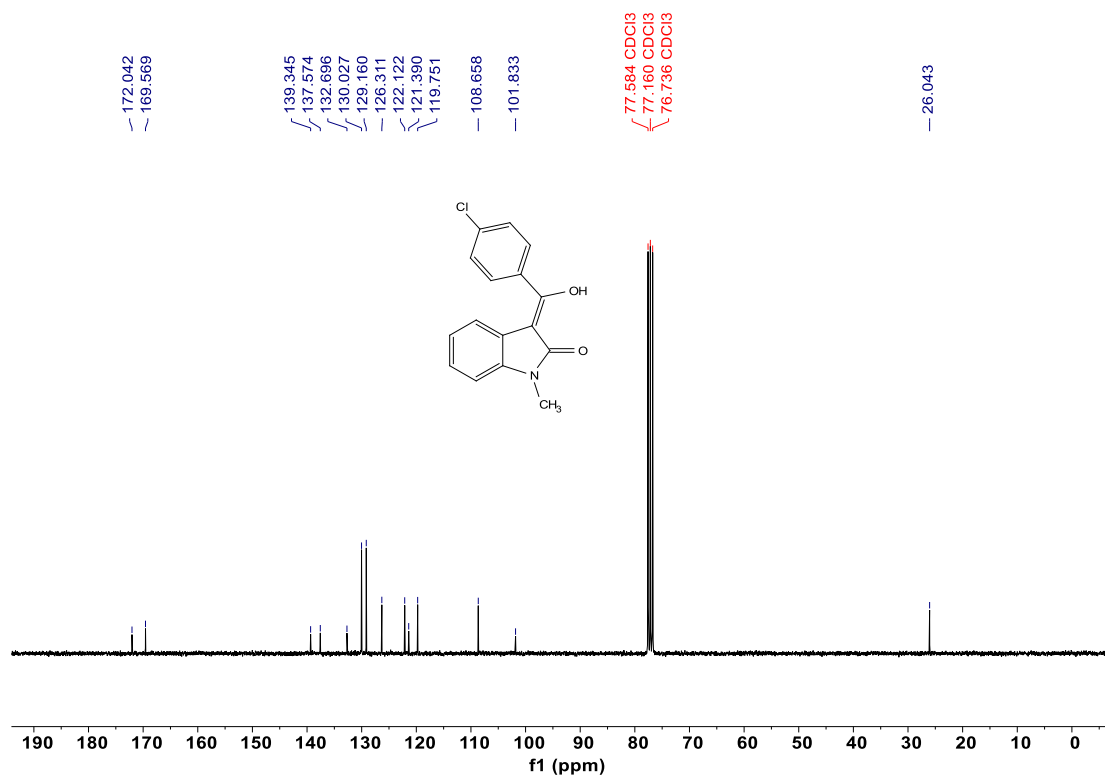
¹H NMR spectrum of compound 10c (300 MHz, CDCl₃)



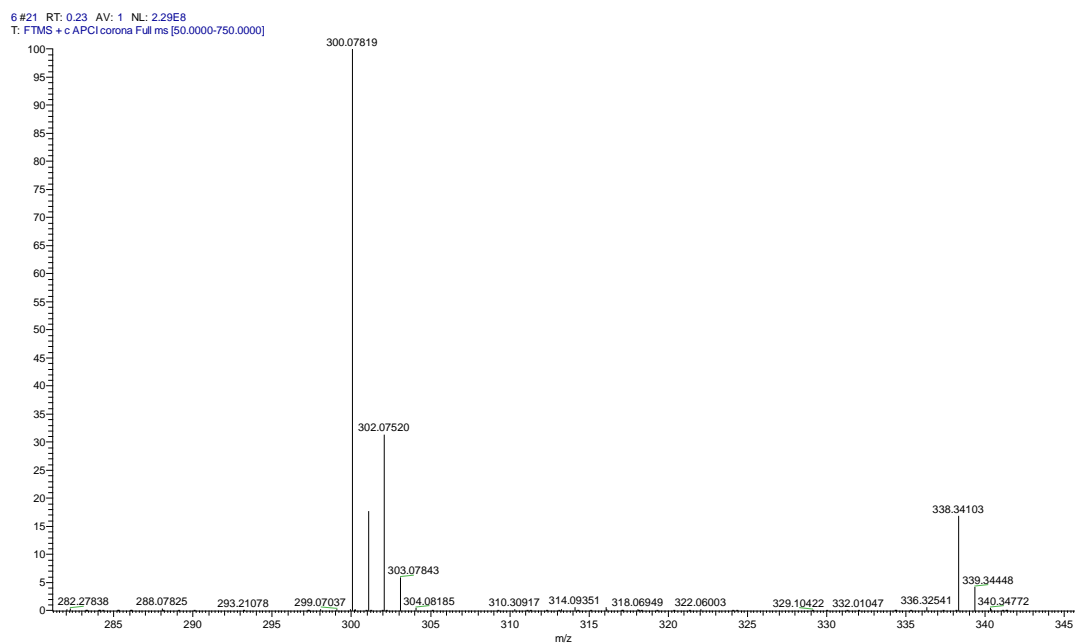
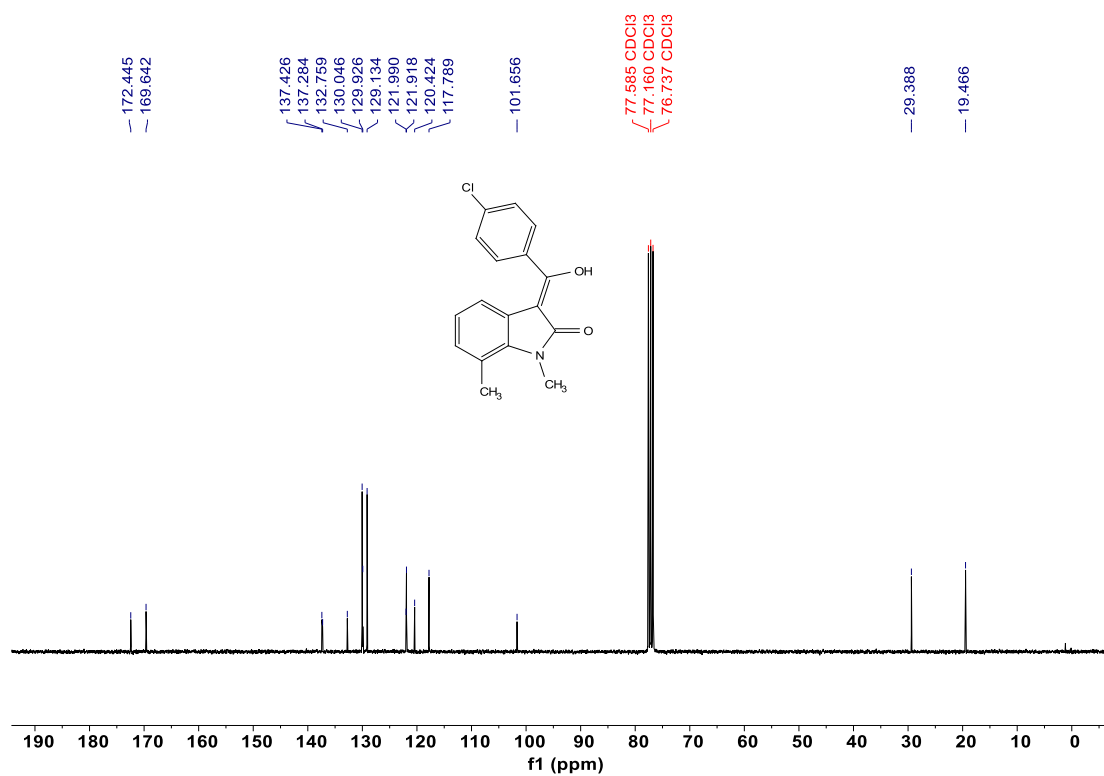
¹H NMR spectrum of compound 10d (300 MHz, CDCl₃)

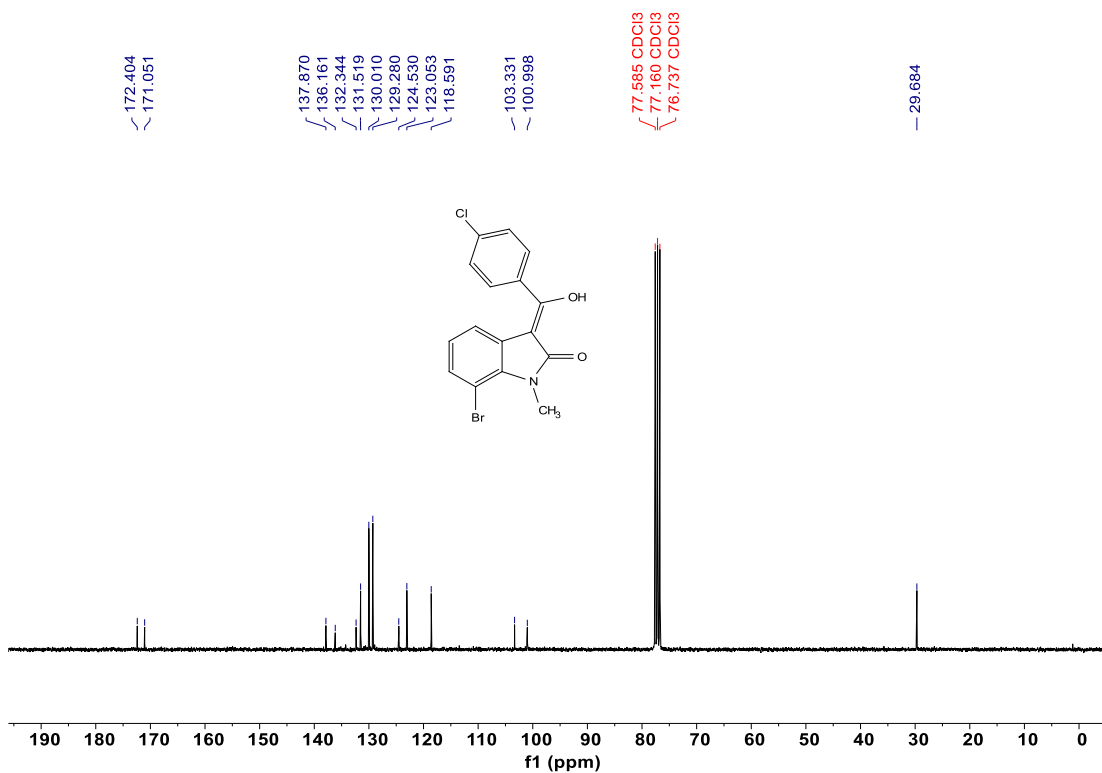
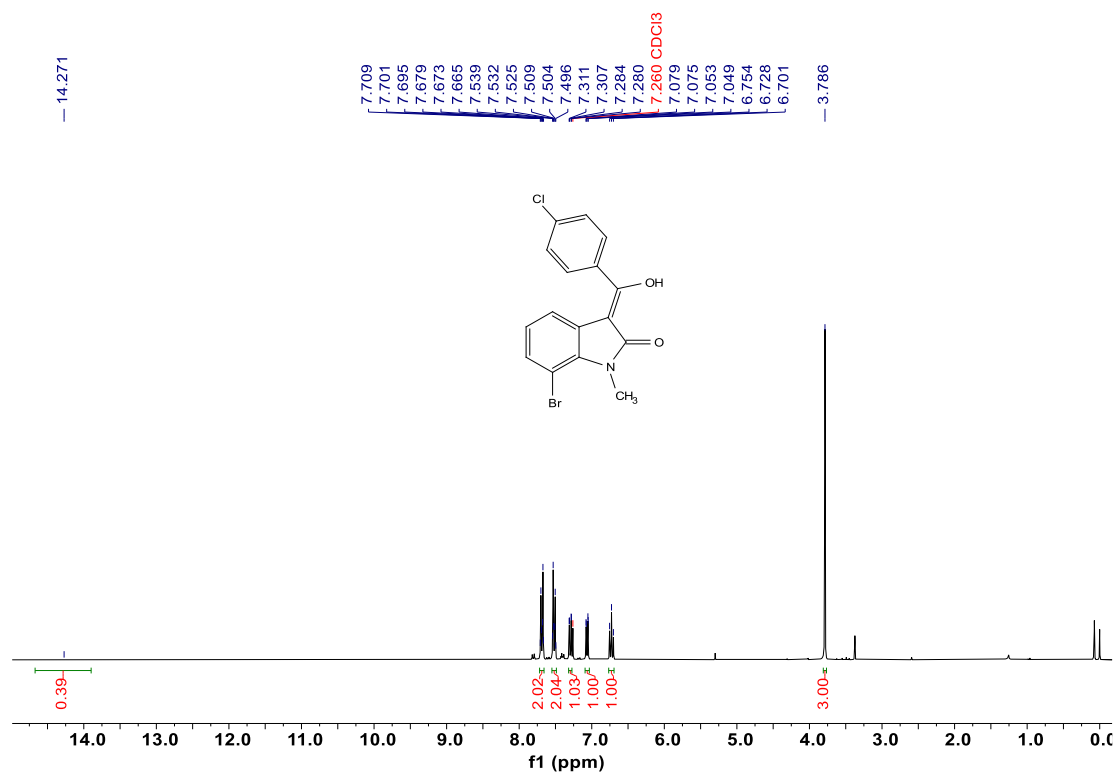


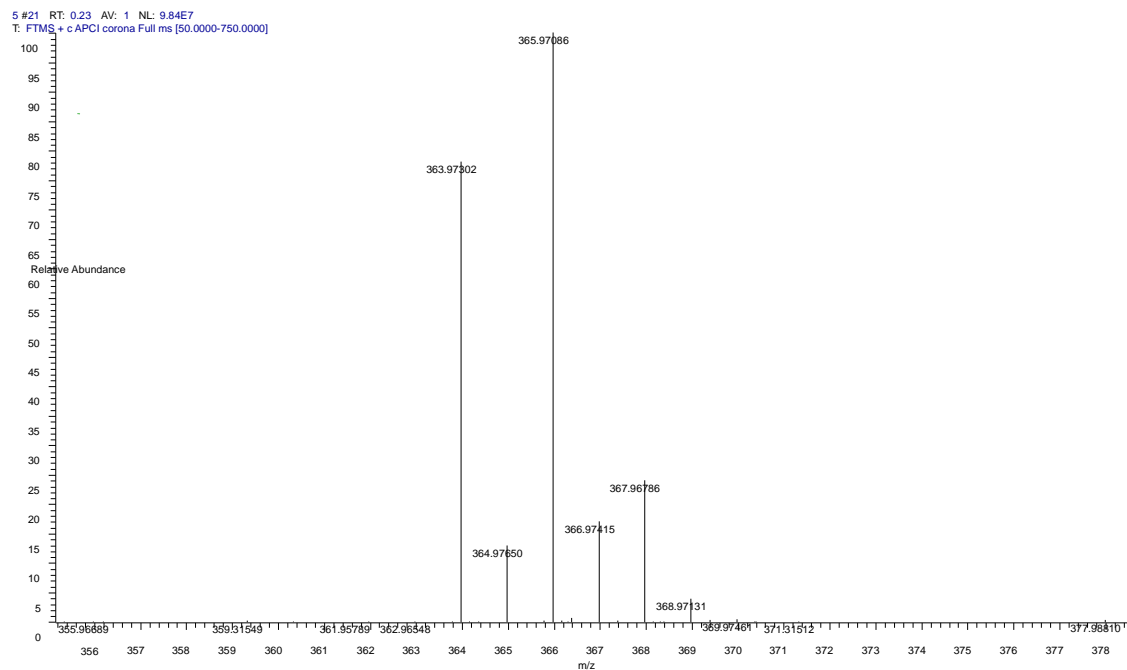
¹H NMR spectrum of compound **10e** (75 MHz, CDCl₃)



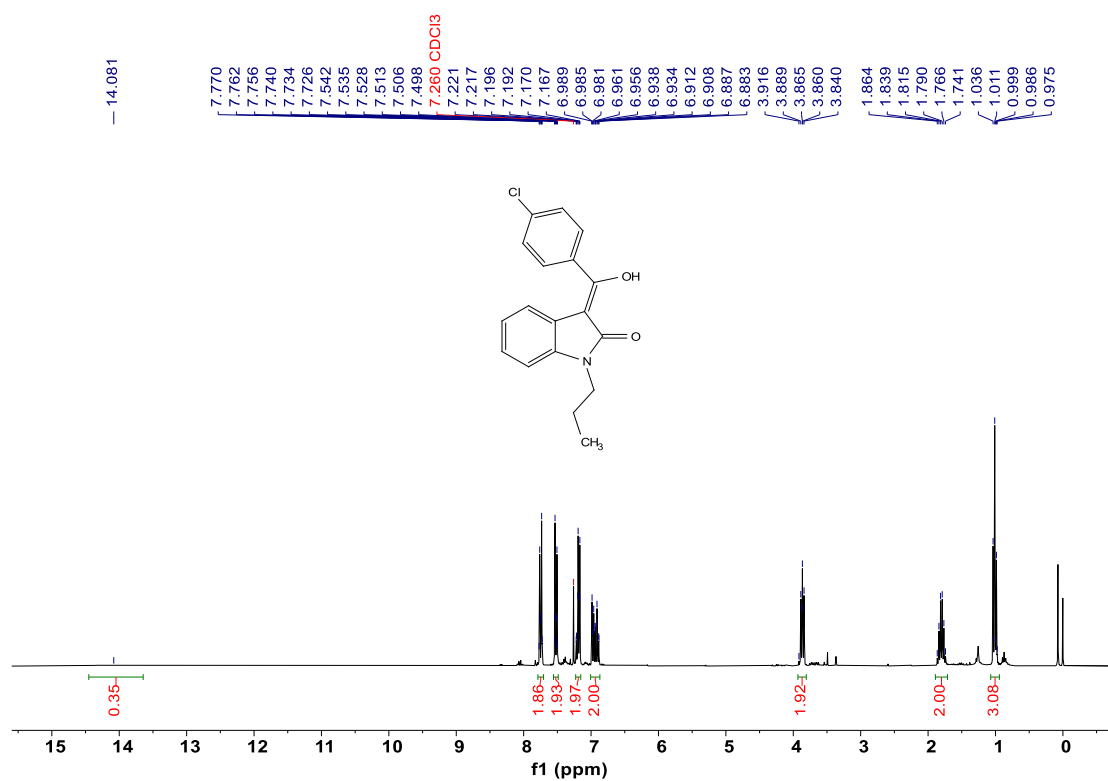
¹H NMR spectrum of compound 10f (300 MHz, CDCl₃)



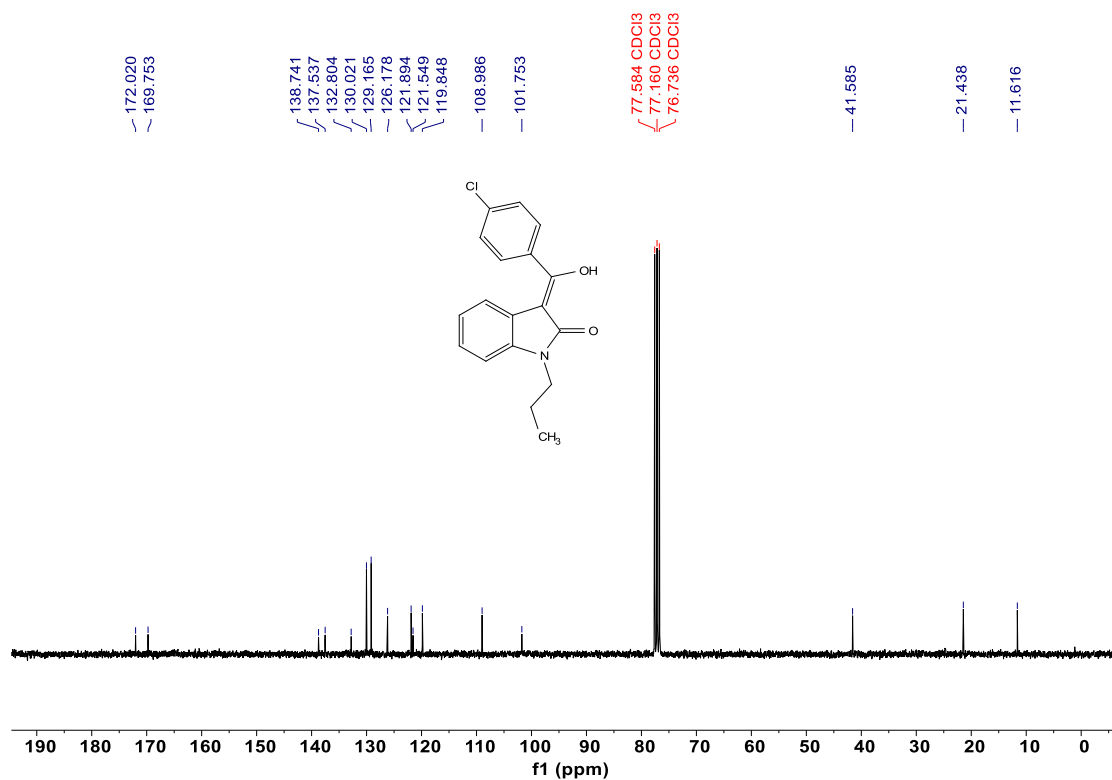




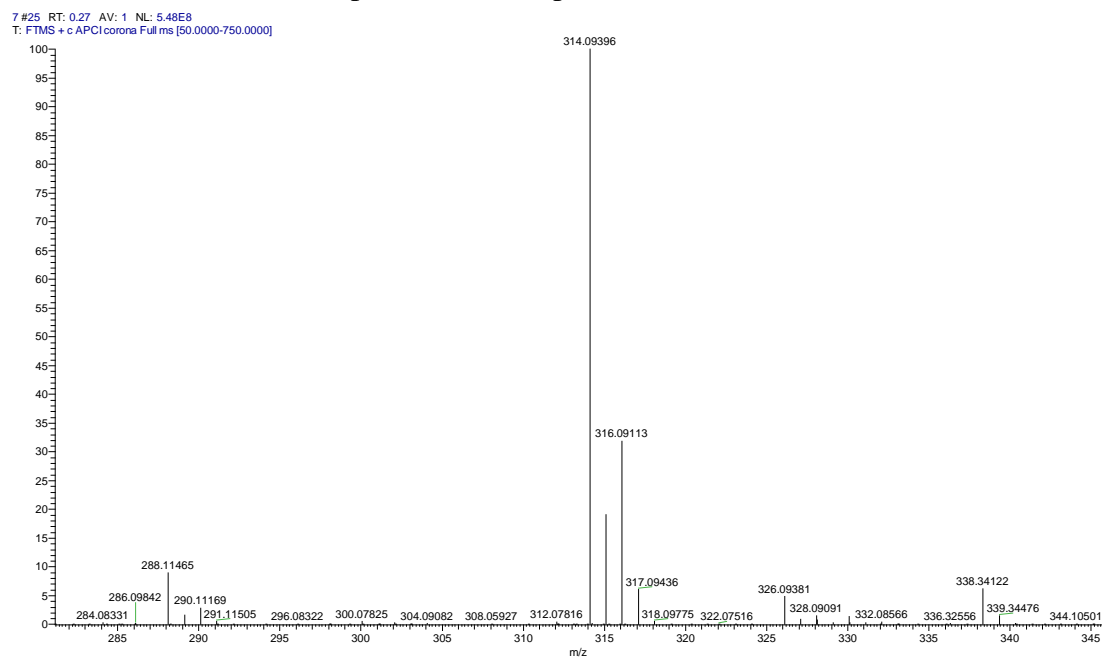
HRMS(APCI) of compound **10g**



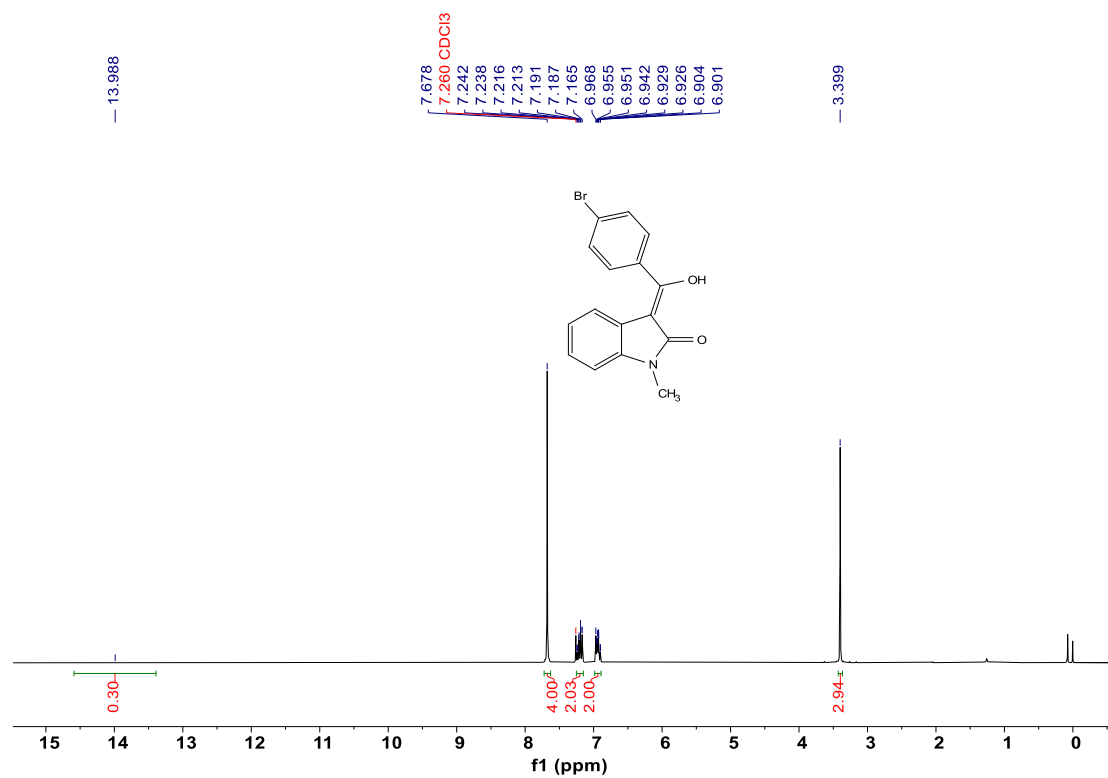
¹H NMR spectrum of compound **10h** (300 MHz, CDCl₃)



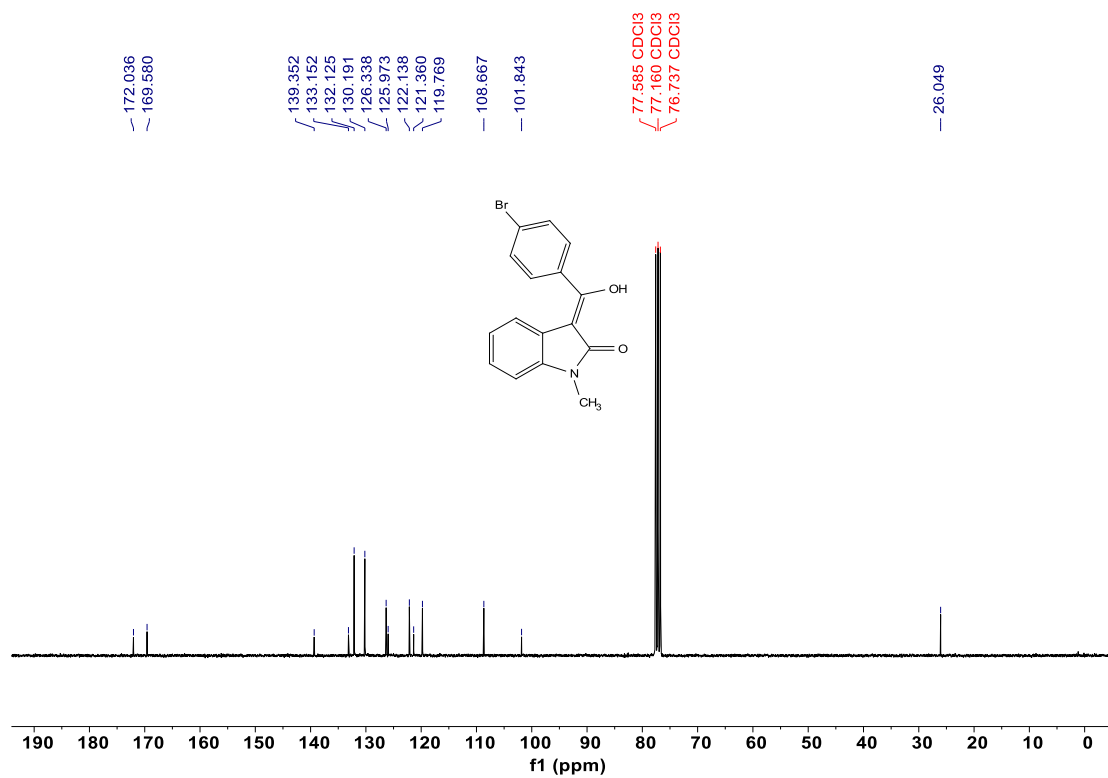
¹³C NMR spectrum of compound **10h** (75 MHz, CDCl₃)



HRMS (APCI) of compound **10h**

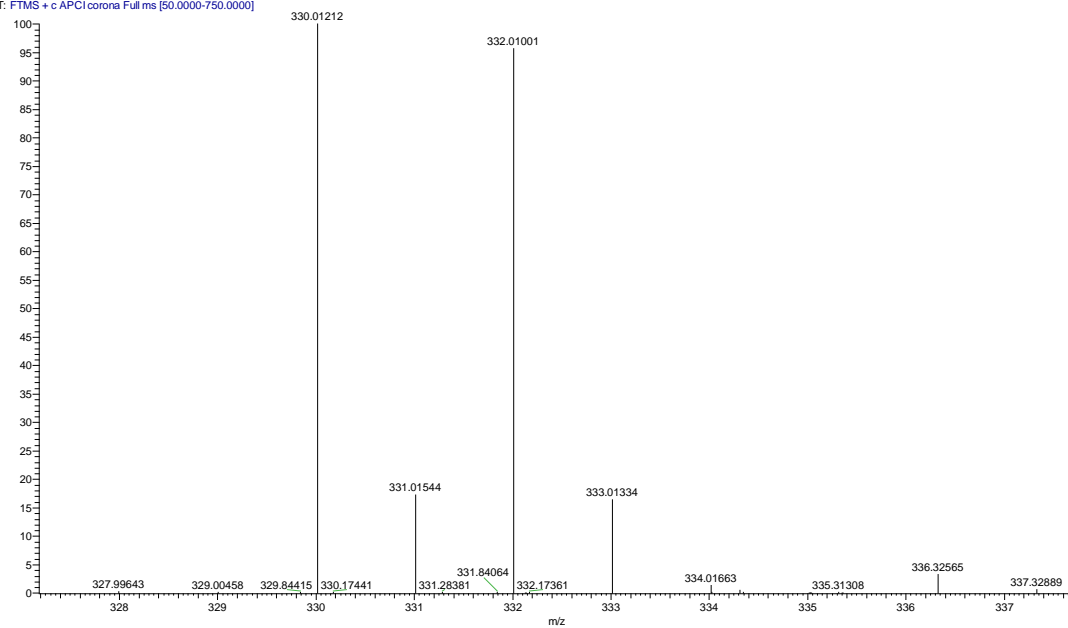


¹H NMR spectrum of compound **10i** (300 MHz, CDCl₃)



¹³C NMR spectrum of compound **10i** (75 MHz, CDCl₃)

3 #23 RT: 0.25 AV: 1 NL: 5.24E7
T: FTMS + c APCI corona Full ms [50.0000-750.0000]



HRMS(APCI) of compound **10i**