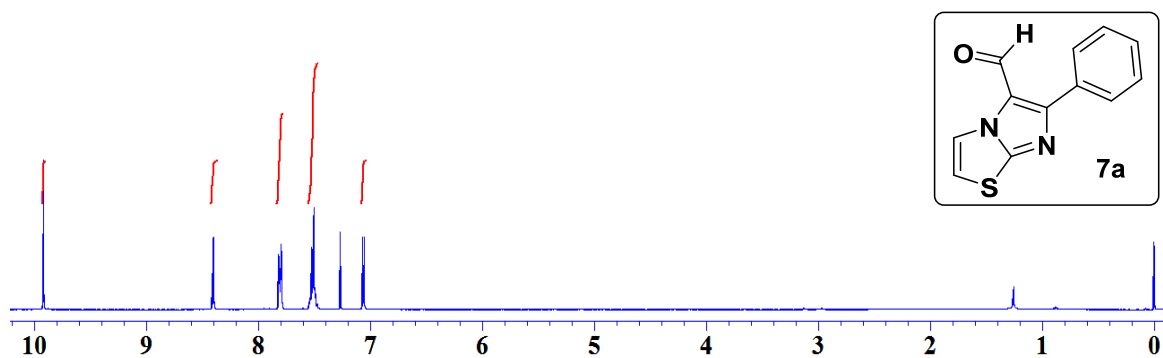


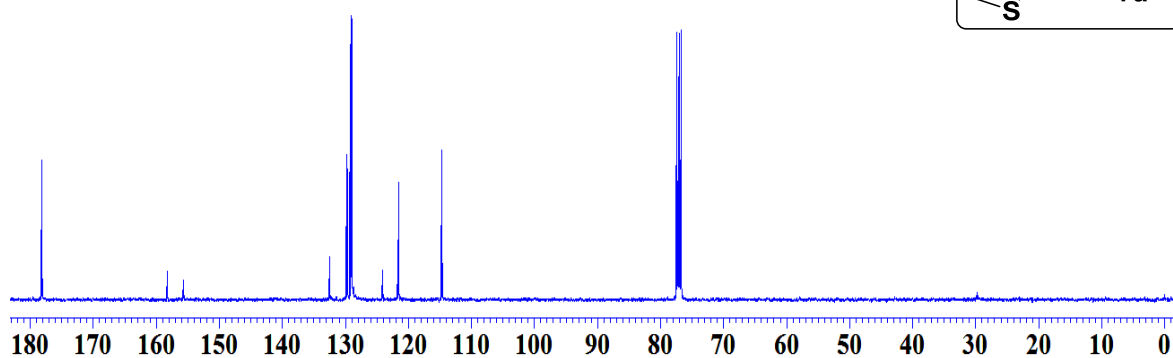
Synthesis of Curcumin based Imidazo[2,1-*b*]thiazole derivatives and their biological evaluation as antiproliferative agents

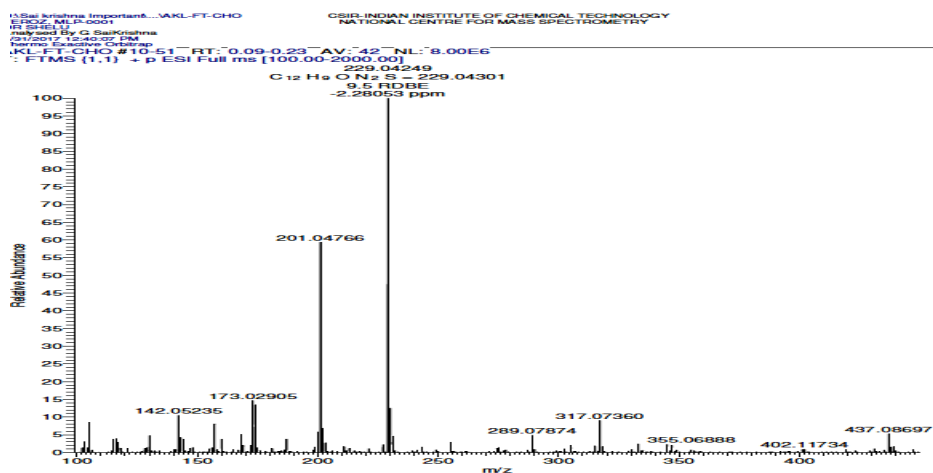
Representative spectra of the final compounds

^1H NMR 7a (400 MHz, CDCl_3)



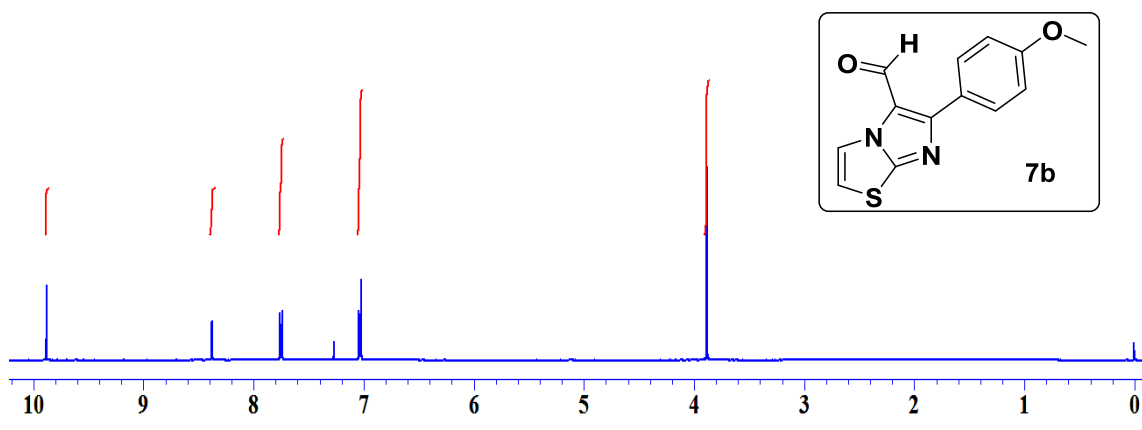
^{13}C NMR 7a (100 MHz, CDCl_3)



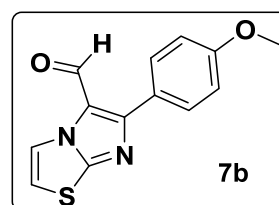


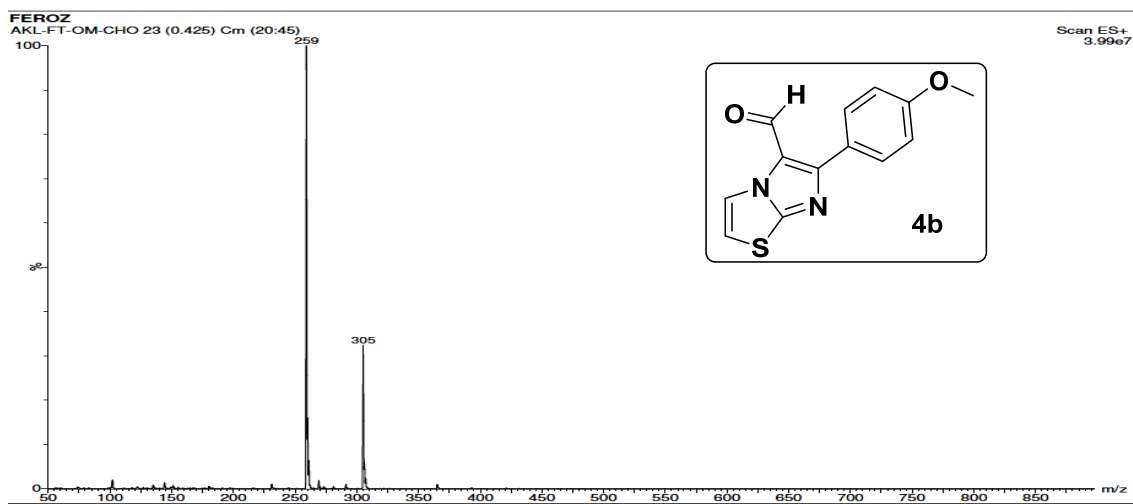
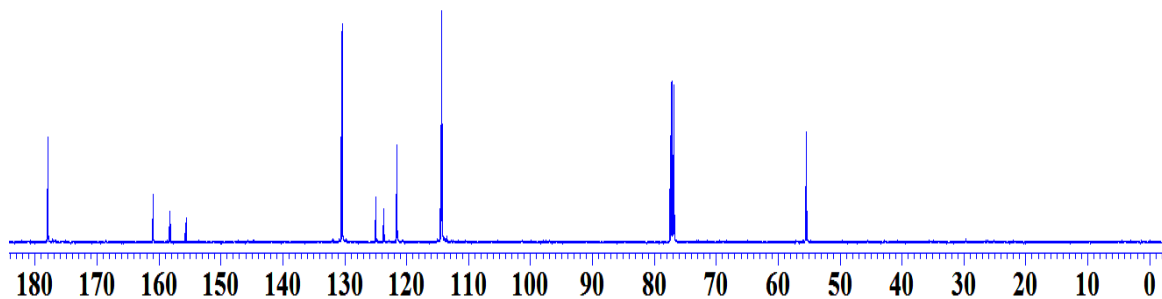
High Resolution Mass Spectra of Compound 4a

¹H NMR 7b (500 MHz, CDCl₃)



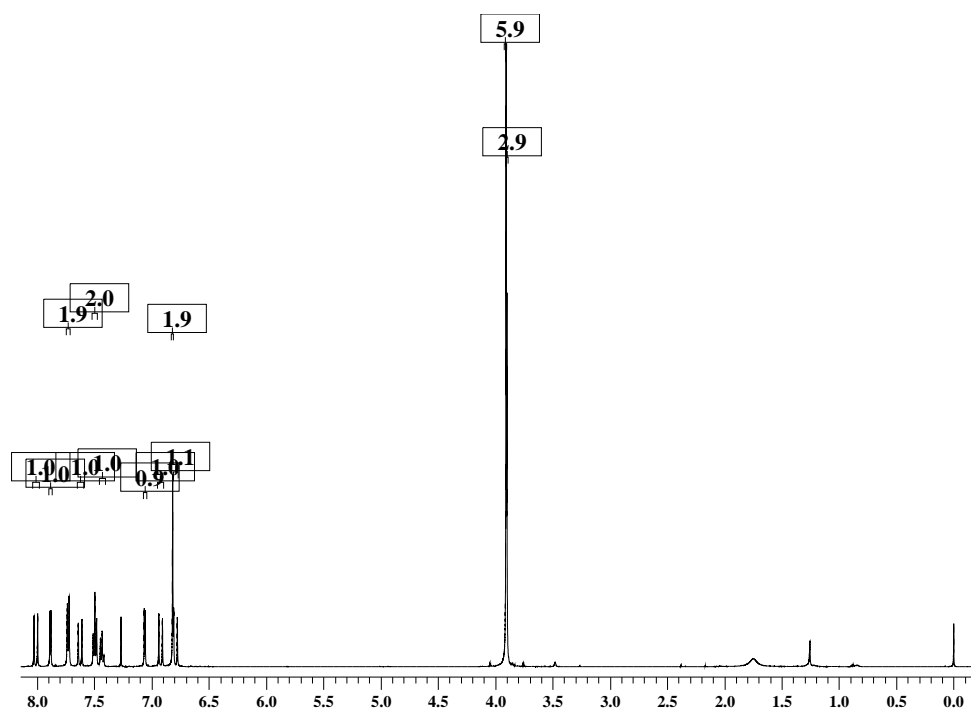
¹³C NMR 7b (125 MHz, CDCl₃)



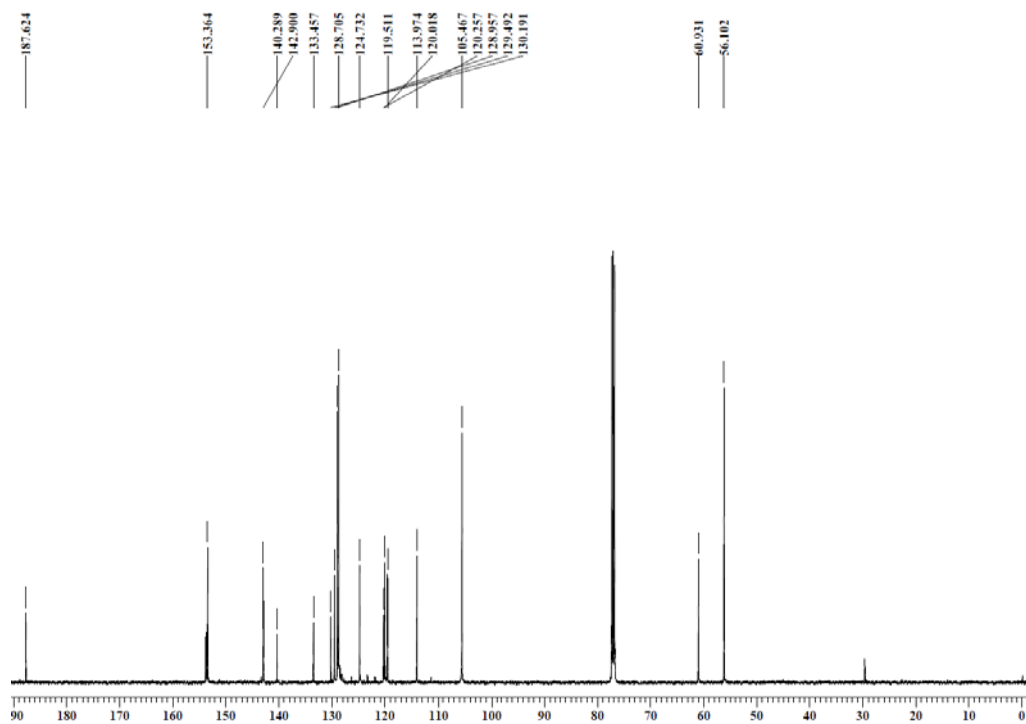


HRMS of Compound 7b

Final compounds

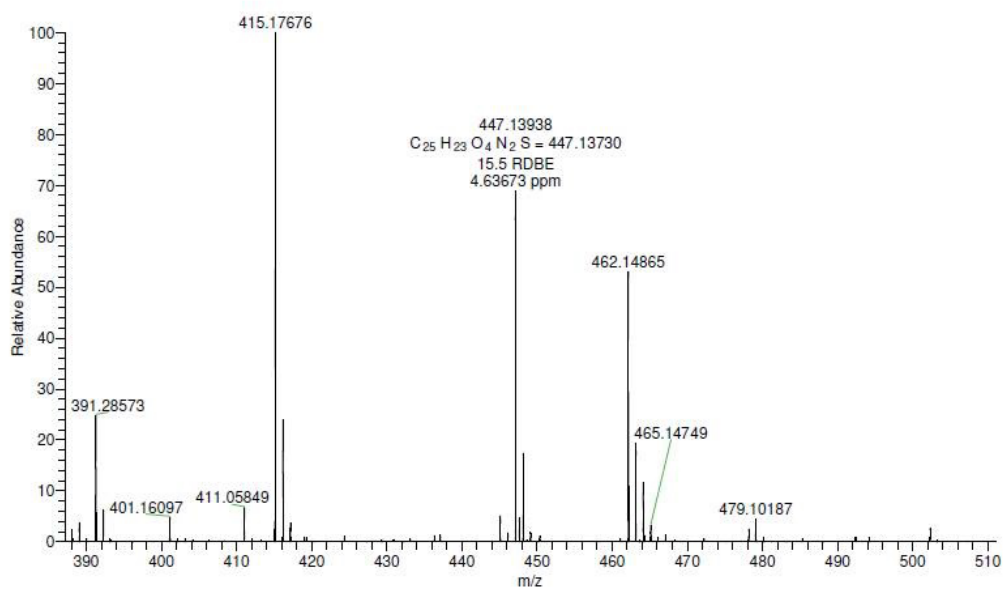


^1H NMR of compound 8a

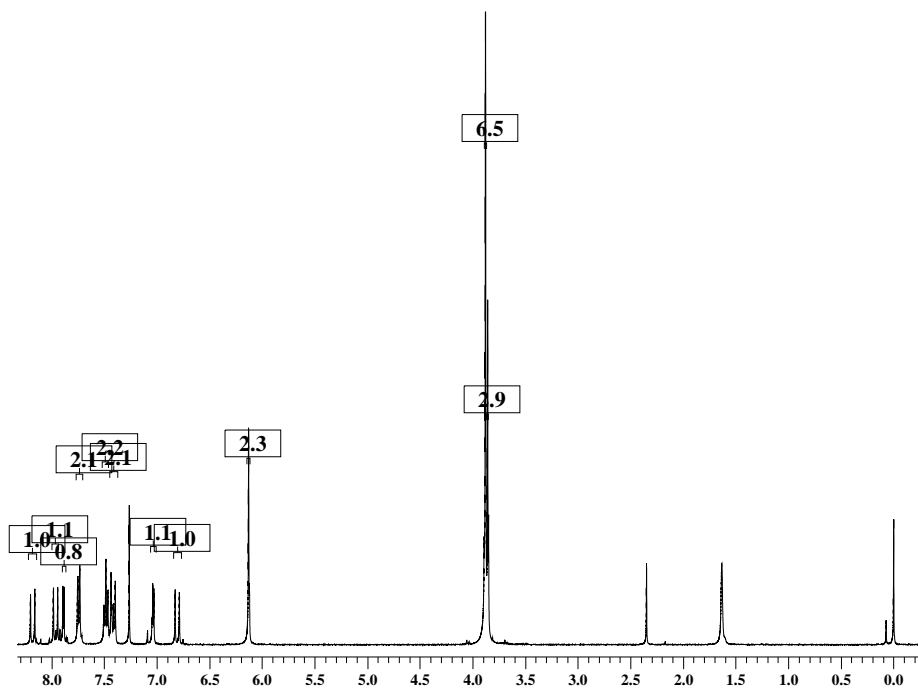


¹³C NMR of compound 8a

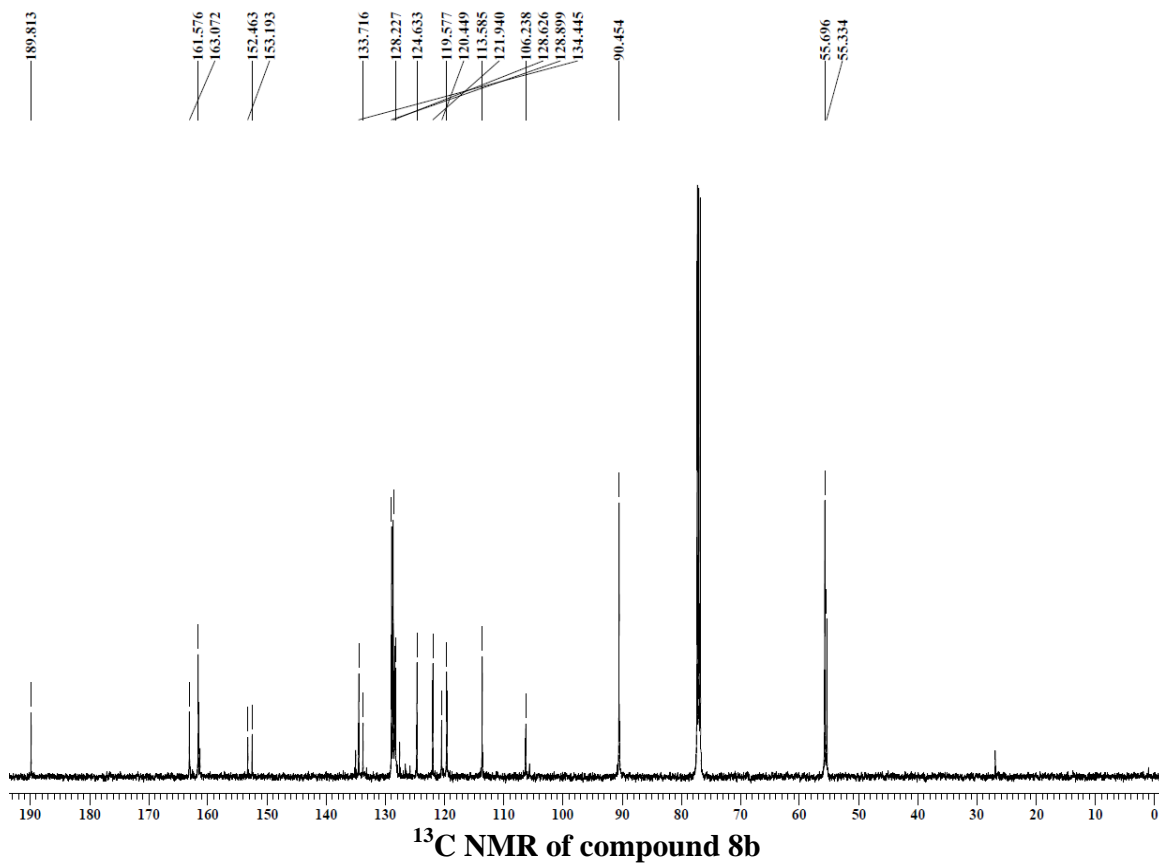
IC-4 #8-39 RT: 0.03-0.14 AV: 32 NL: 6.00E5
T: FTMS (1,1) + p ESI Full ms [50.00-1000.00]



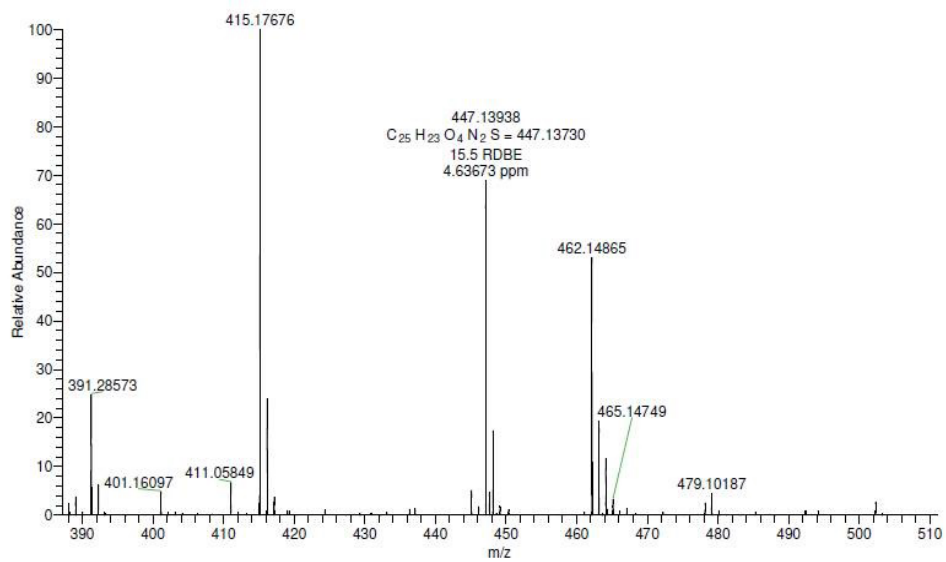
HRMS of compound 8a



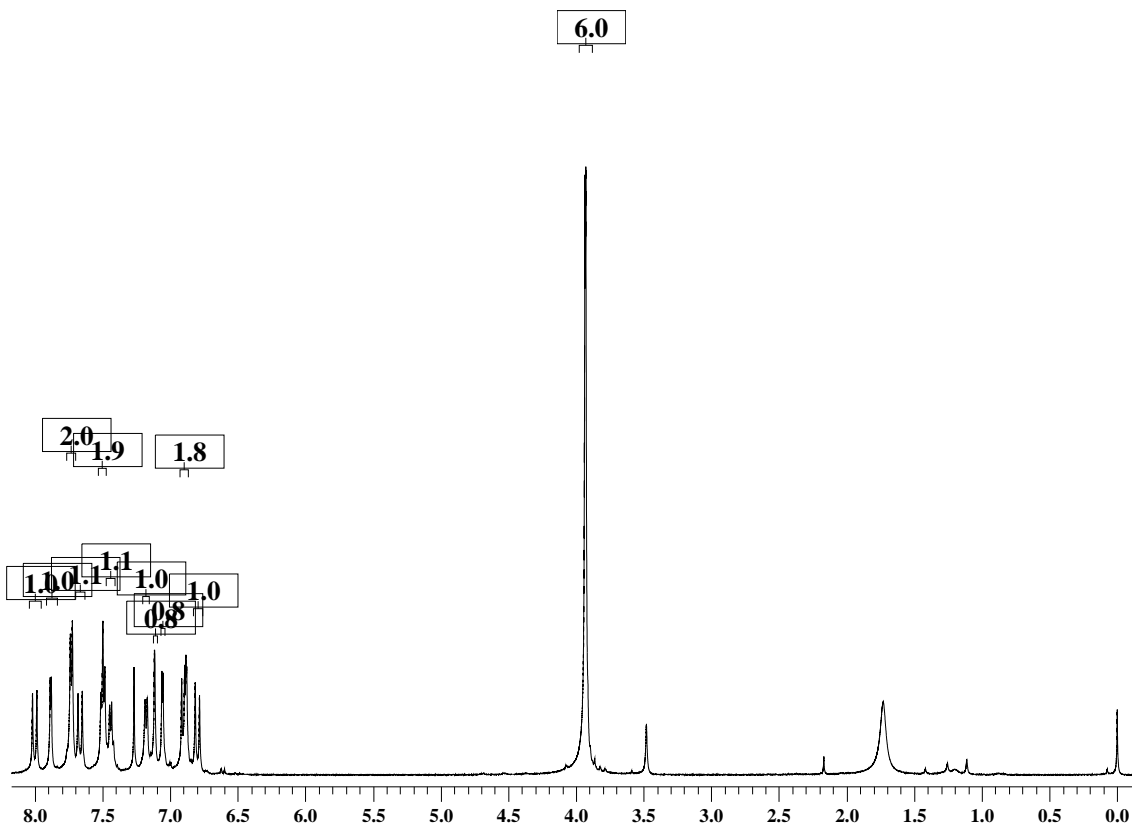
¹H NMR of compound 8b



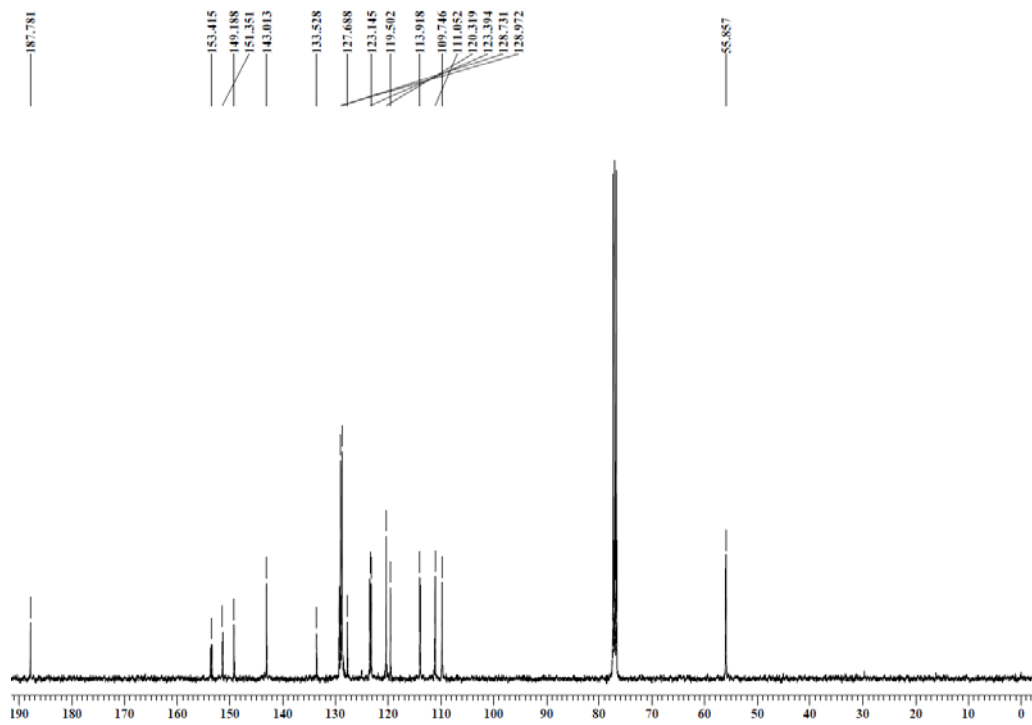
IC-4 #8-39 RT: 0.03-0.14 AV: 32 NL: 6.00E5
 T: FTMS (1,1) + p ESI Full ms [50.00-1000.00]



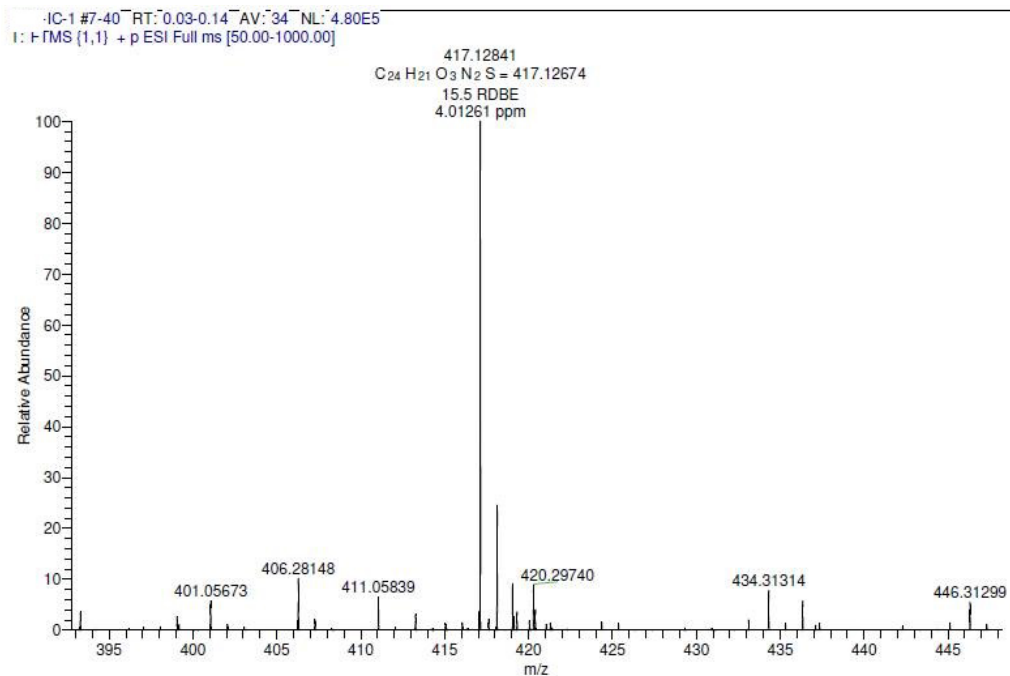
HRMS of compound 8b



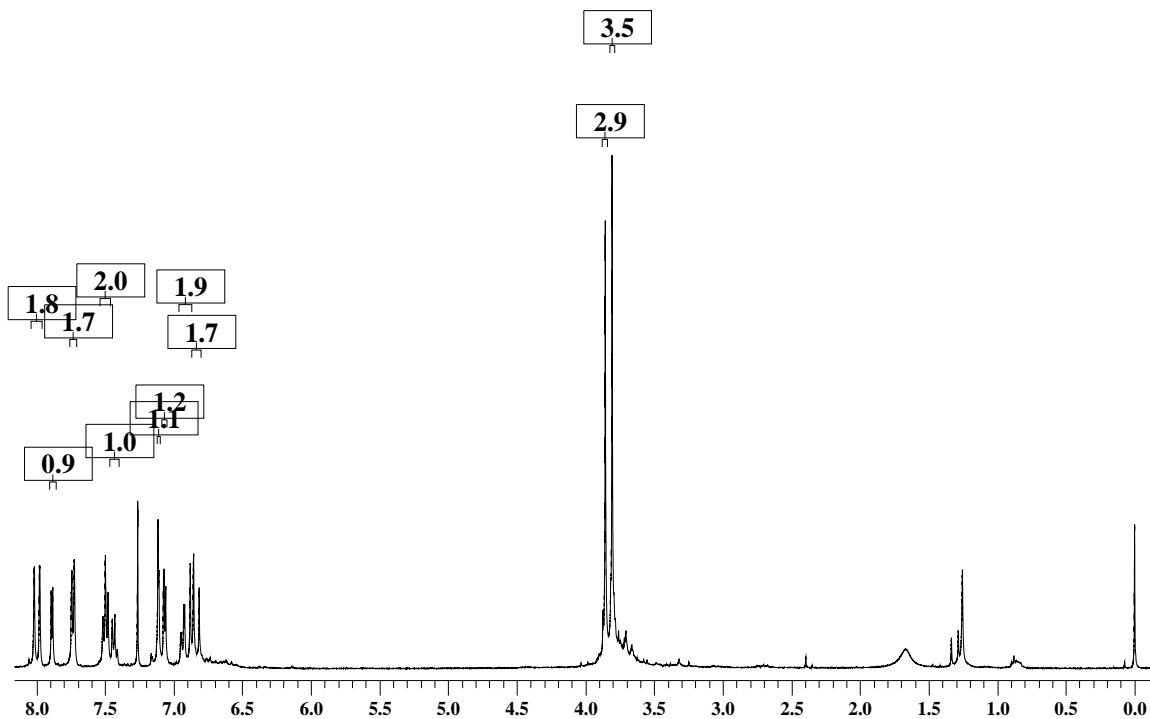
^1H NMR of compound 8c



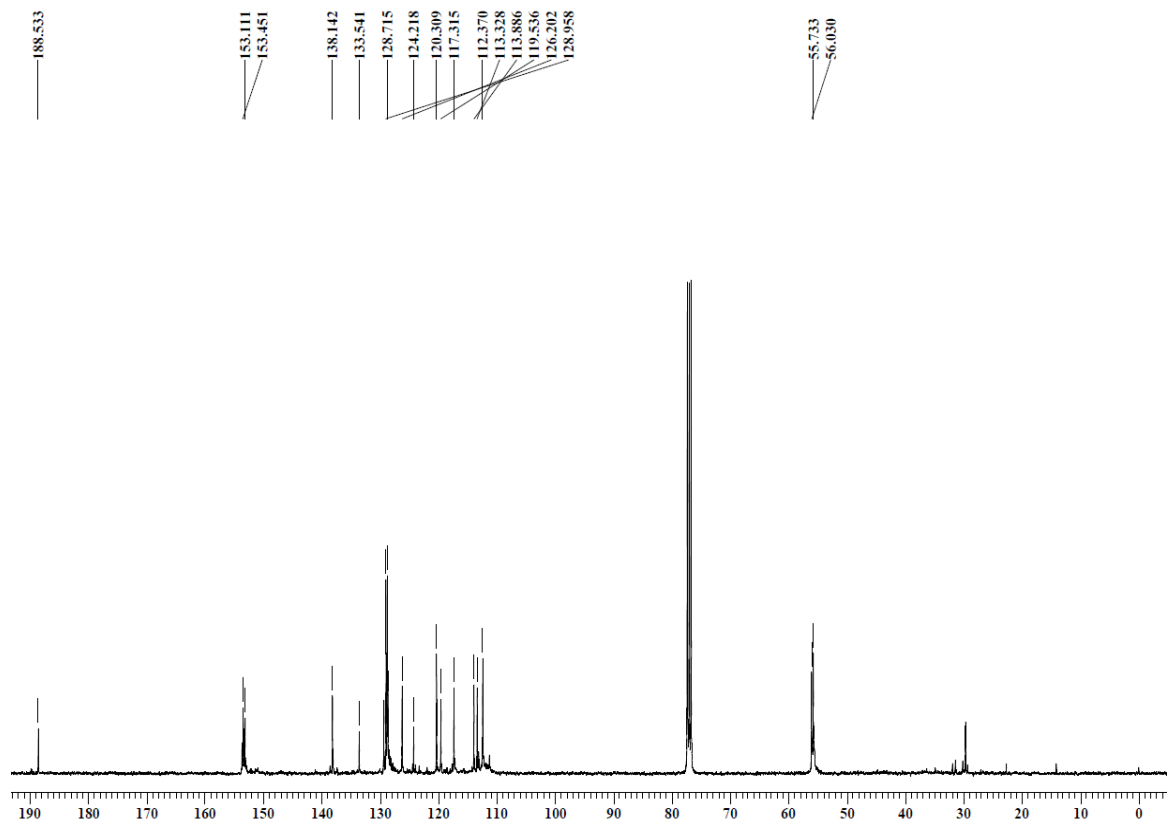
¹³C NMR of compound 8c



HRMS of compound 8c

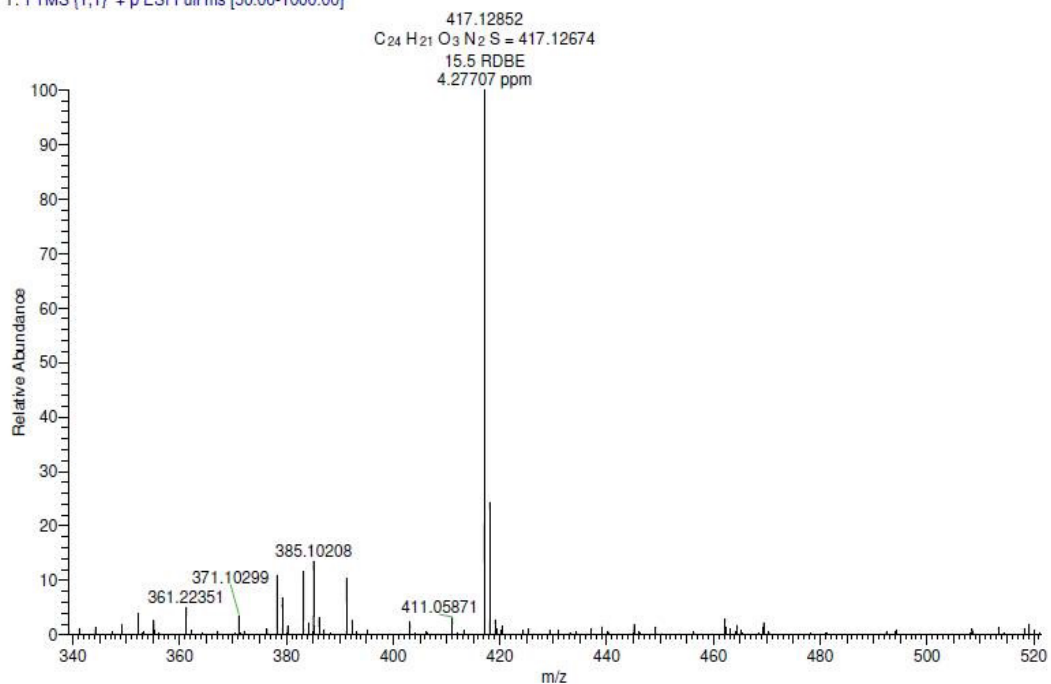


¹H NMR of compound 8d

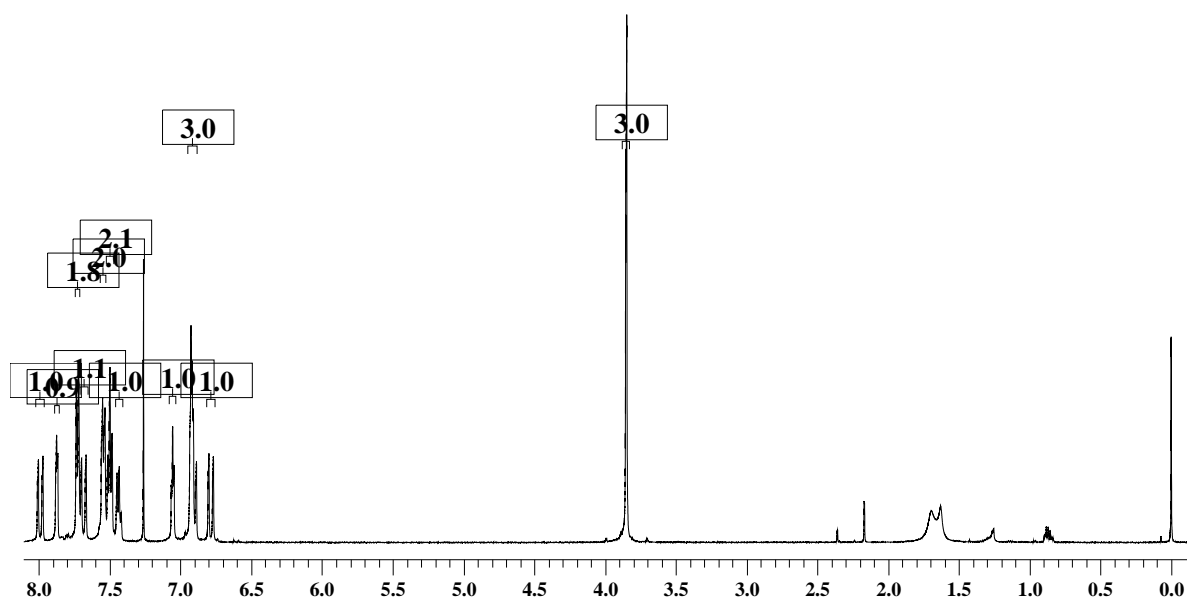


¹³C NMR of compound 8d

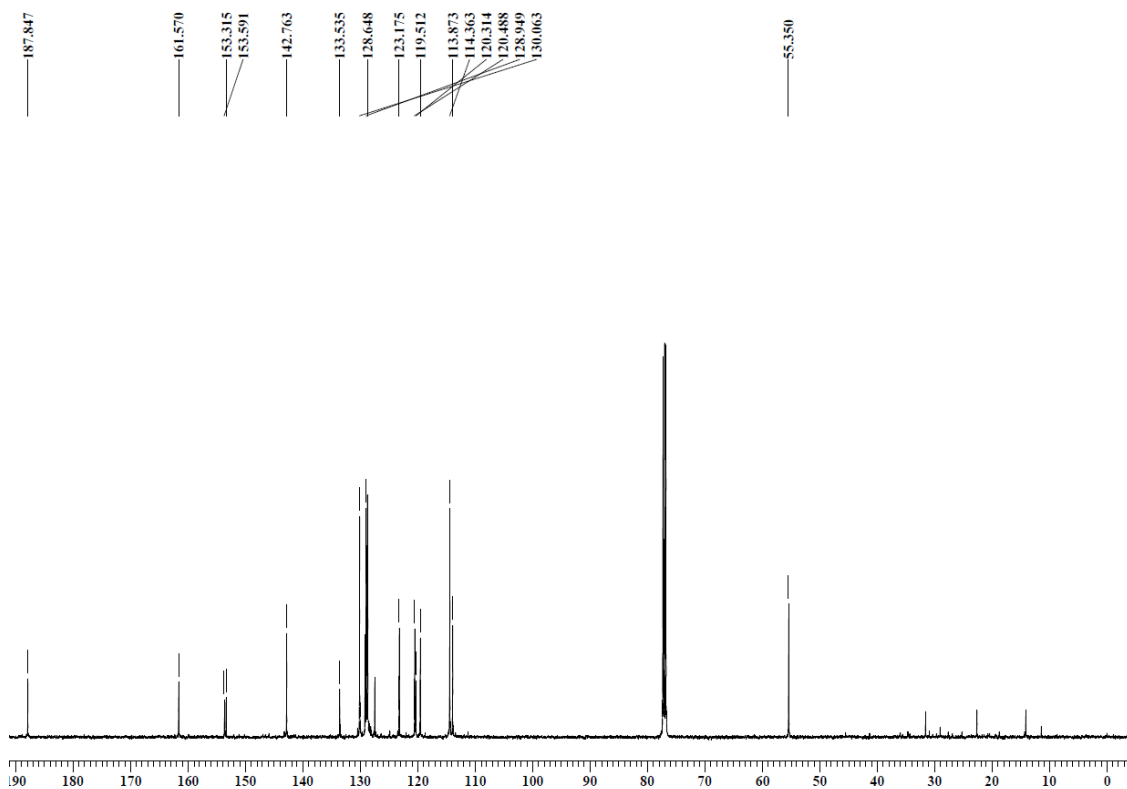
IC-20 #4-41 RT: 0.02-0.14 AV: 38 NL: 1.24E6
T: FTMS (1,1) + p ESI Full ms [50.00-1000.00]



HRMS of compound 8d

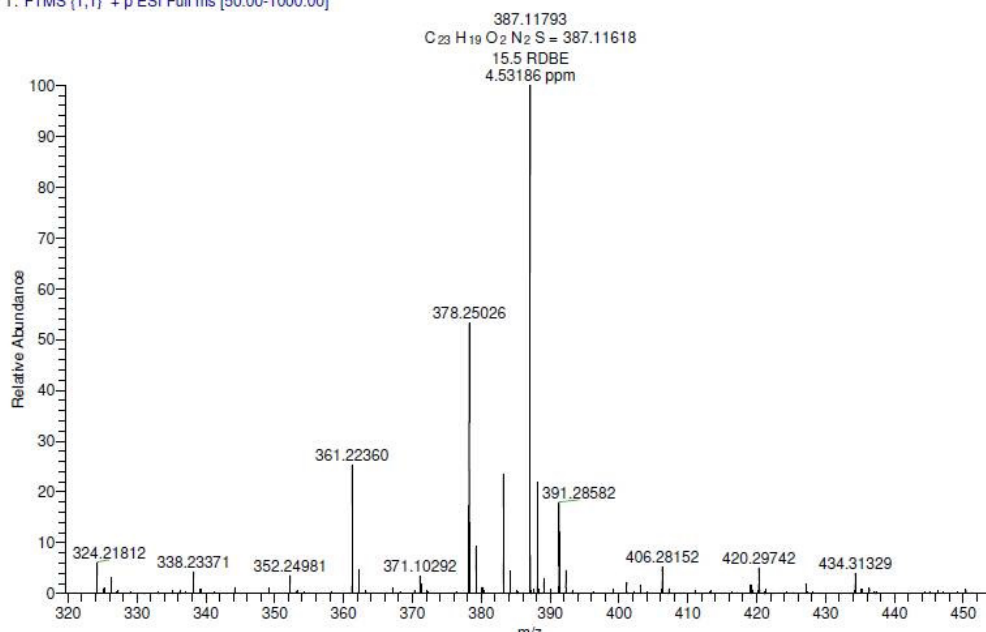


1H NMR of compound 8e

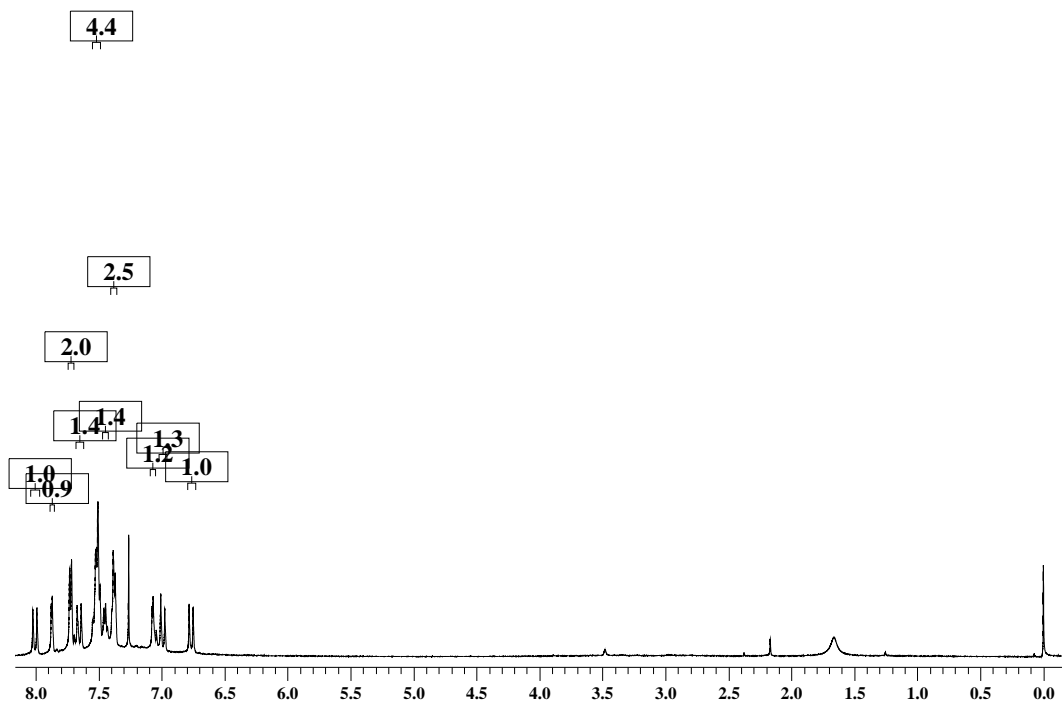


¹³C NMR of compound 8e

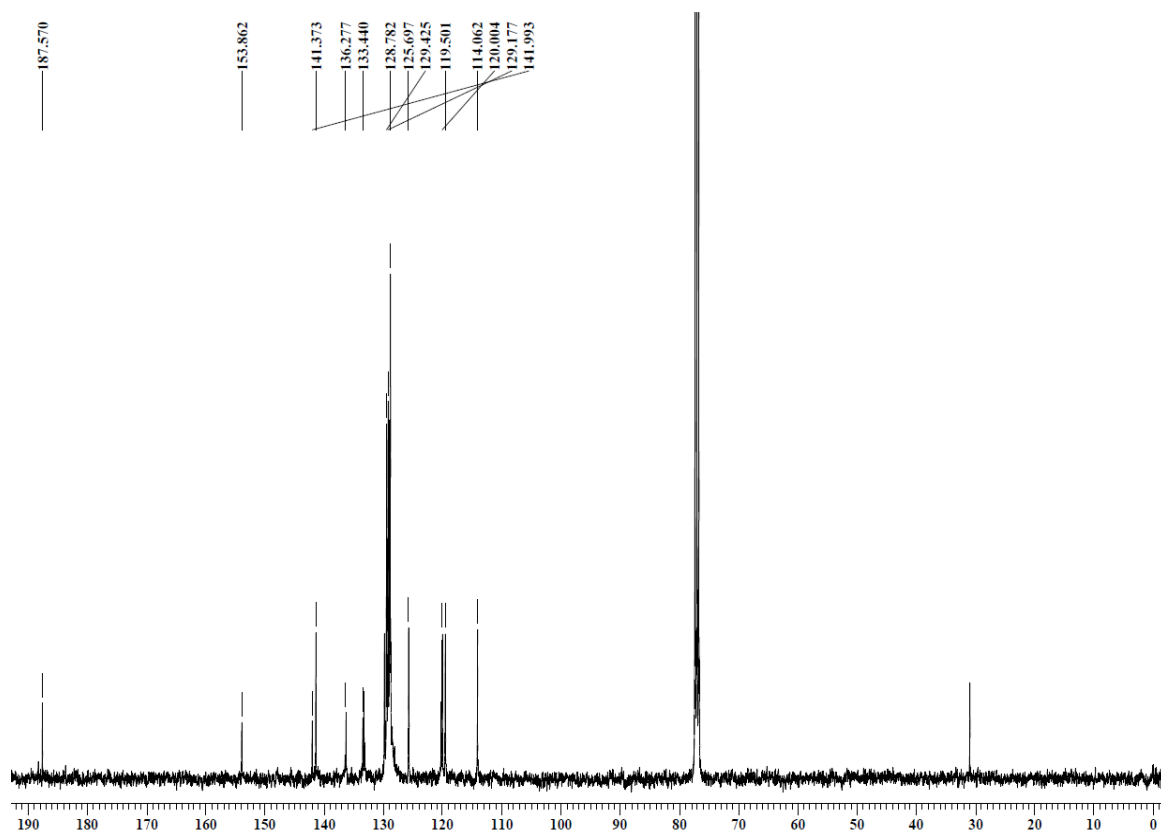
IC-8 #3-52 RT: 0.01-0.18 AV: 50 NL: 1.48E6
T: FTMS (1,1) + p ESI Full ms [50.00-1000.00]



HRMS of compound 8e

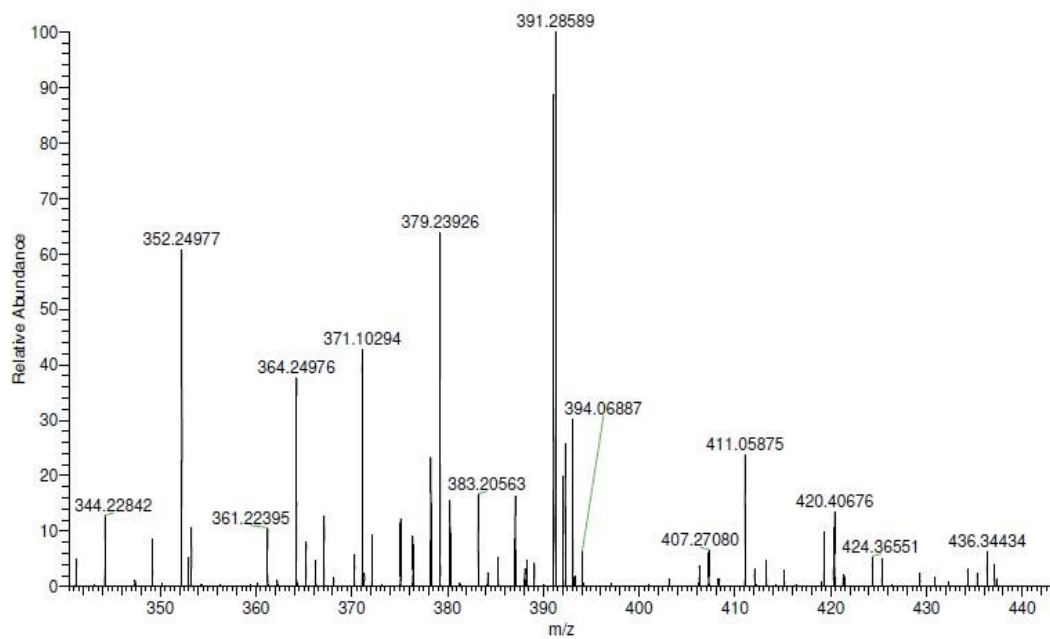


^1H NMR of compound 8f

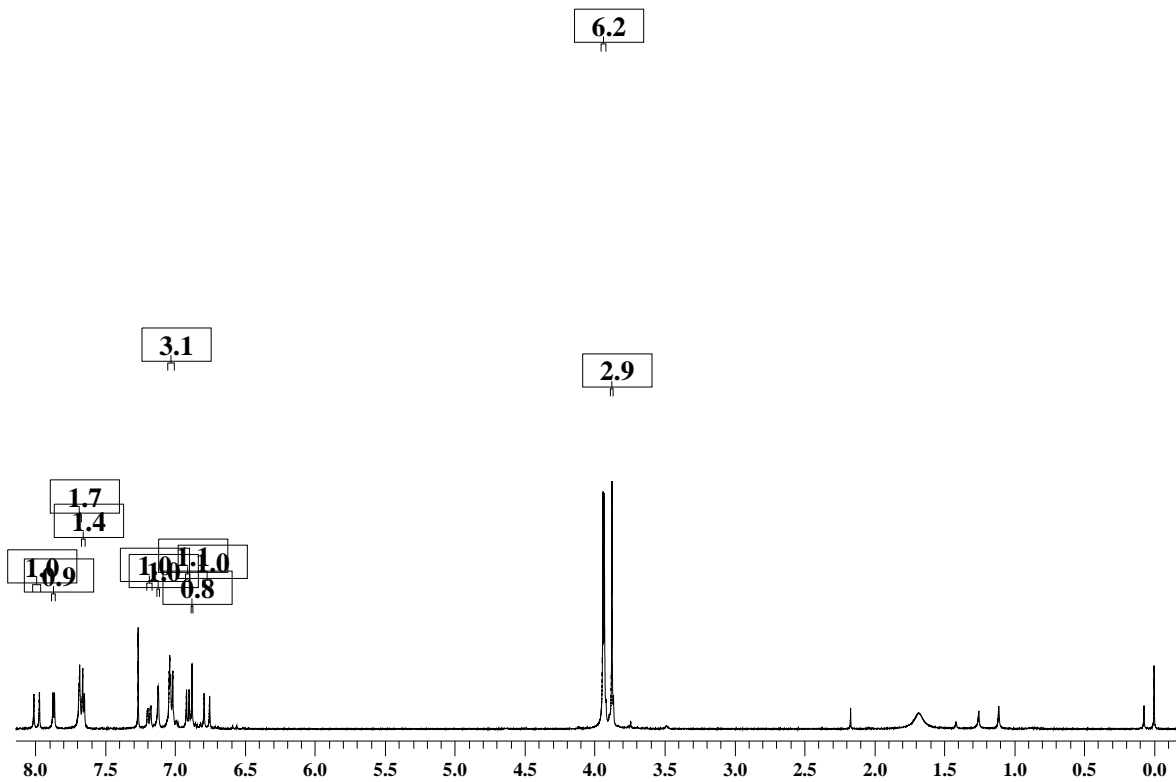


¹³C NMR of compound 8f

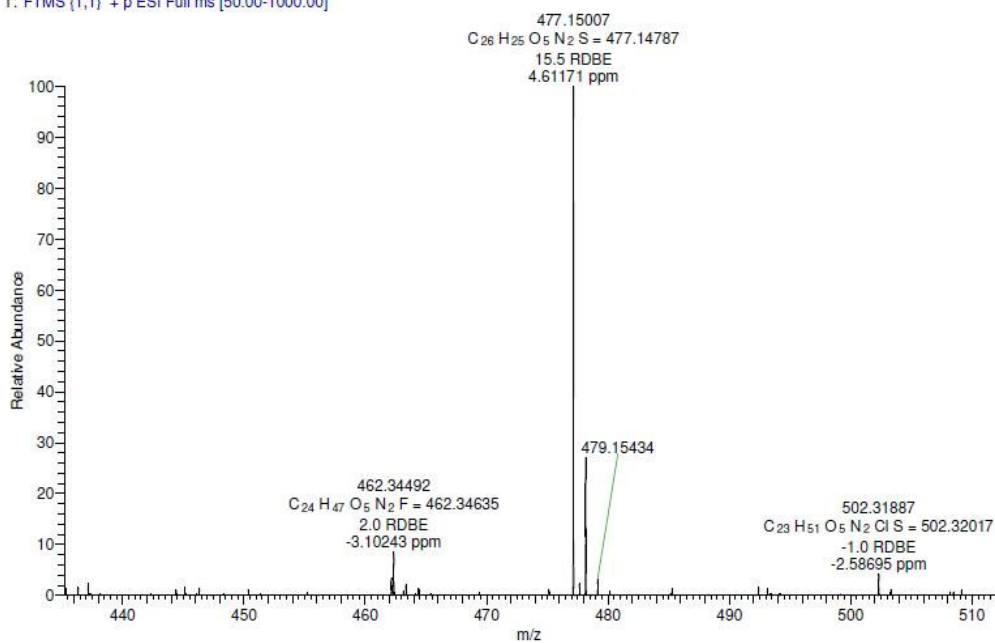
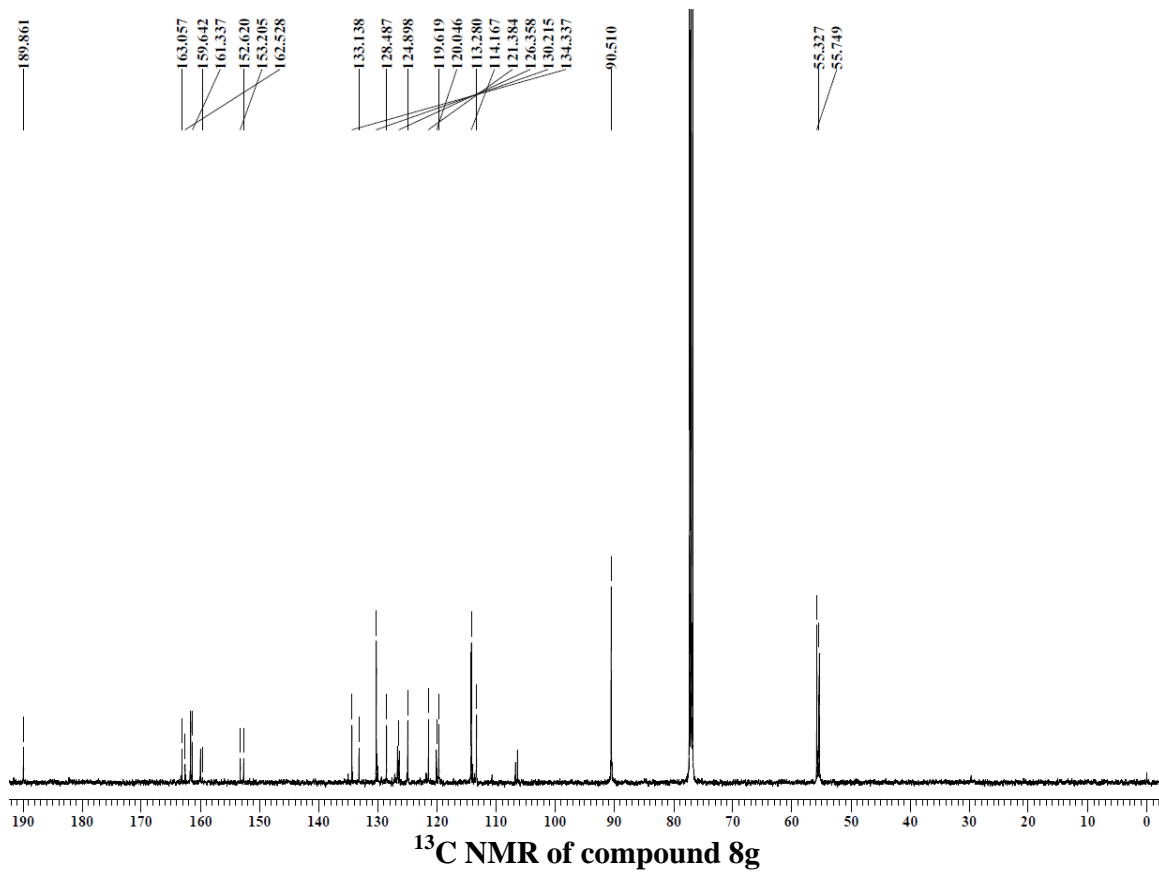
IC-11 #1-39 RT: 0.01-0.14 AV: 39 NL: 1.26E5
T: FTMS (1,1) + p ESI Full ms [50.00-1000.00]



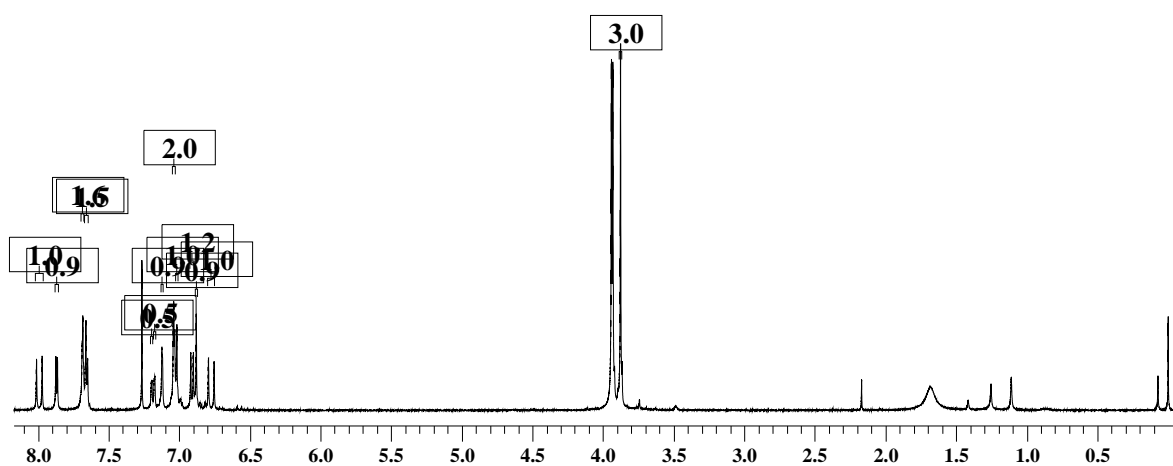
HRMS of compound 8f



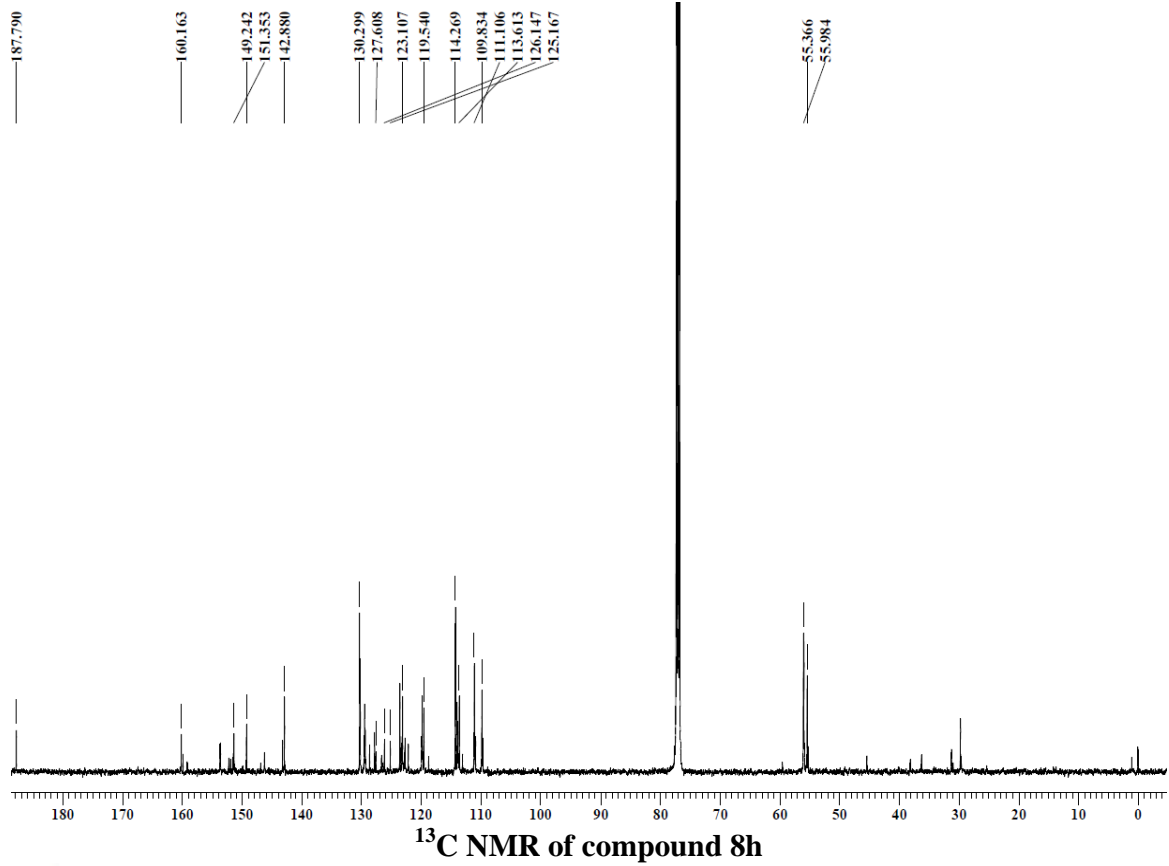
^1H NMR of compound 8g



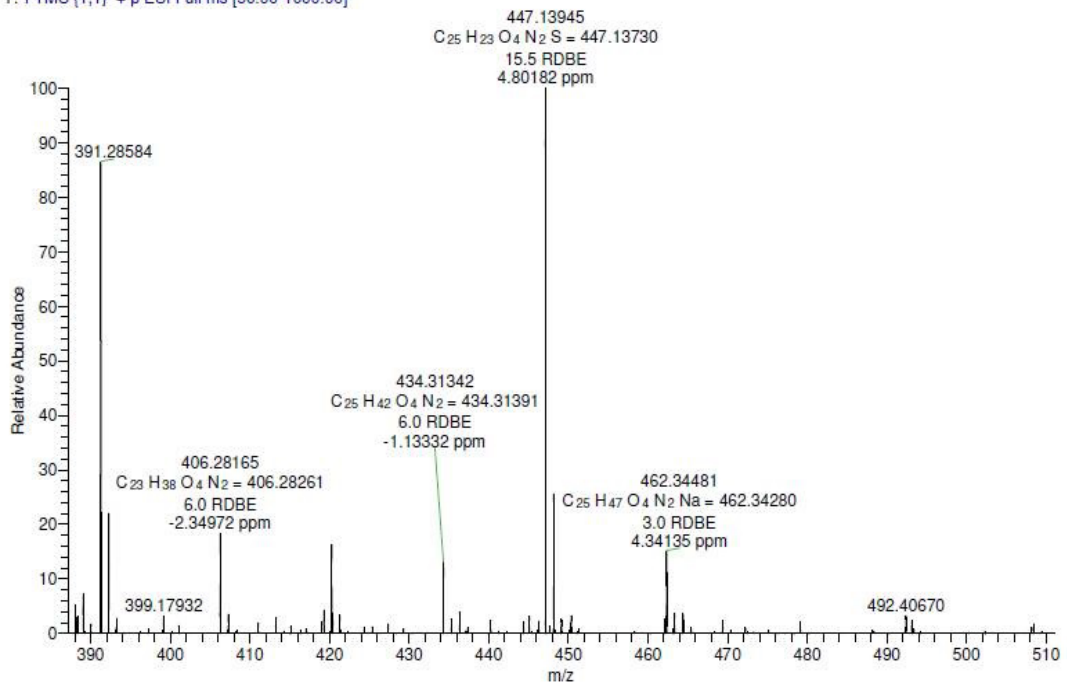
6.3

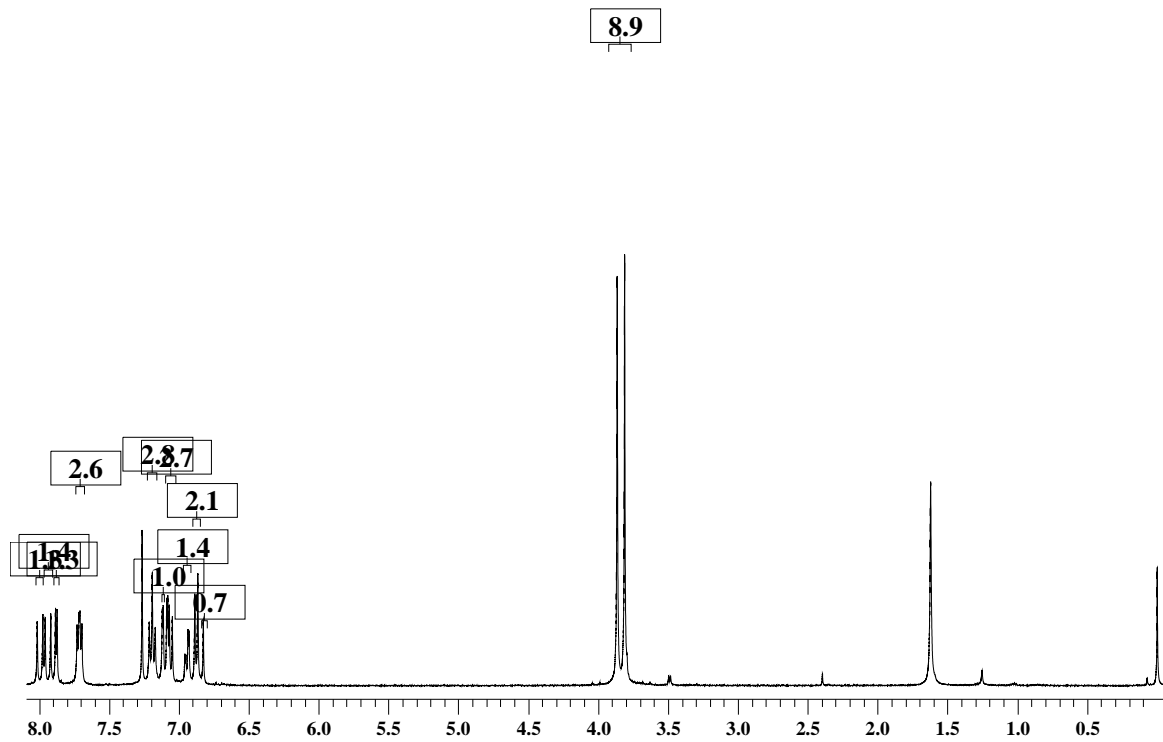


¹H NMR of compound 8h

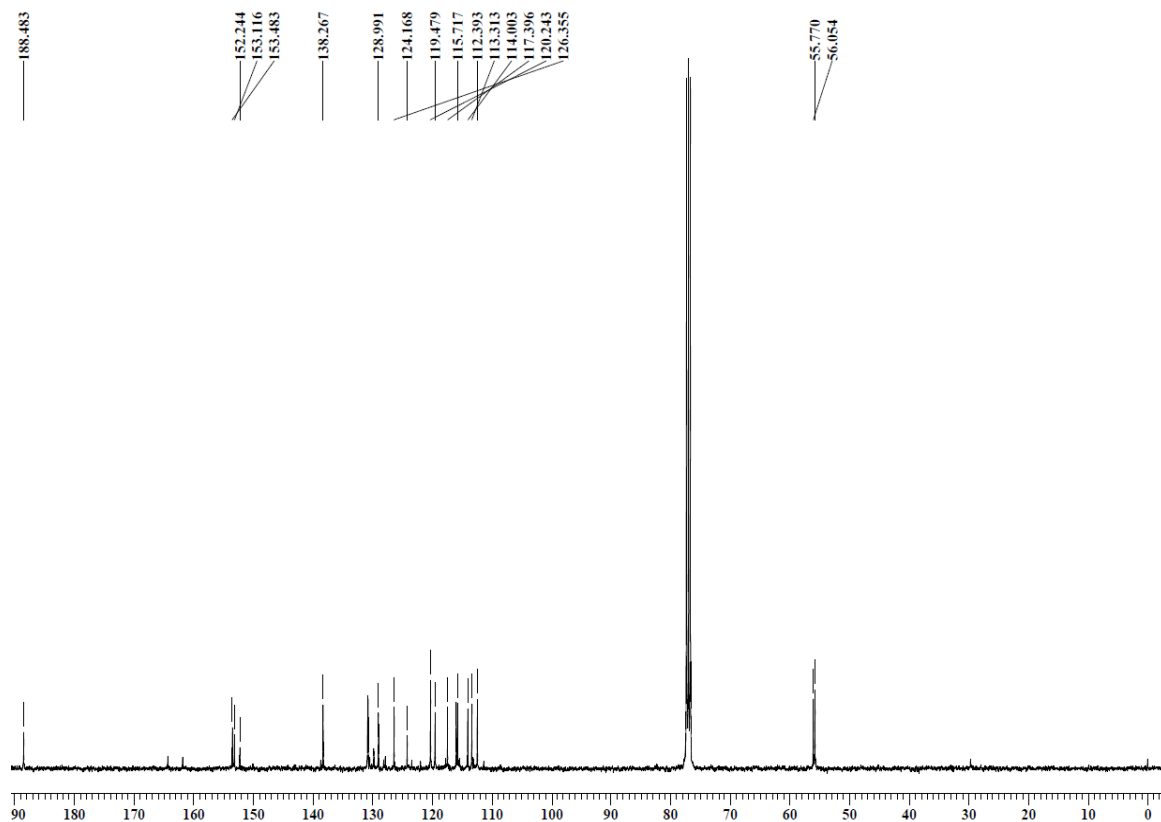


-IC-3 #6-52 RT: 0.02-0.18 AV: 47 NL: 6.00E5
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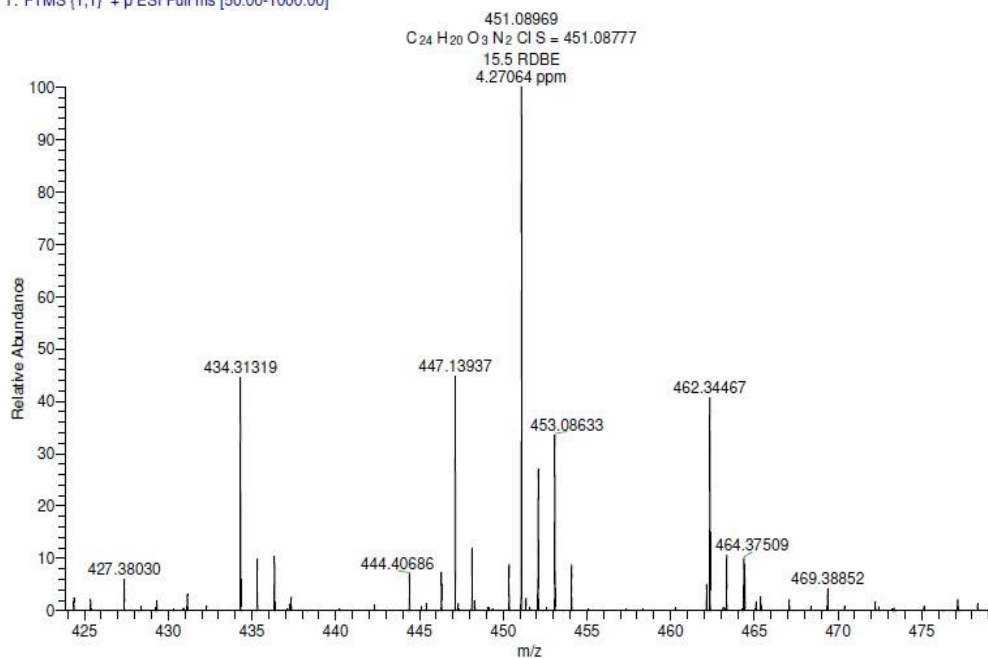


^1H NMR of compound 8h

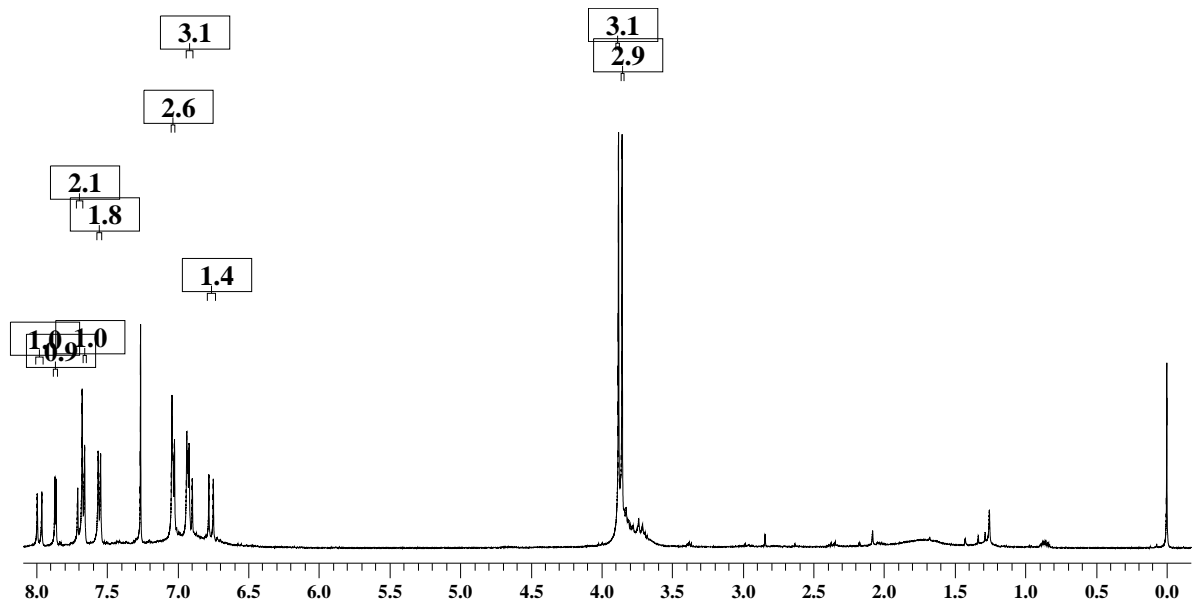


^{13}C NMR of compound 8i

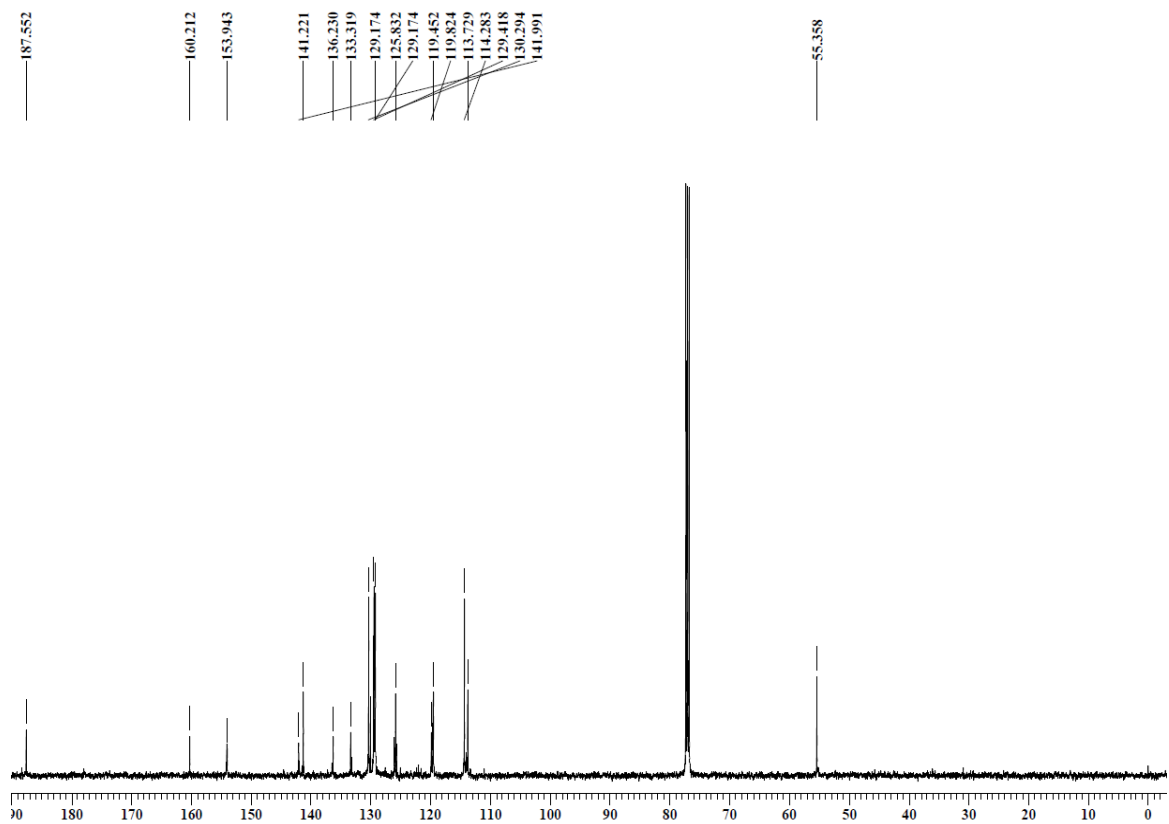
-IC-2 #5-53 RT: 0.02-0.18 AV: 49 NL: 2.56E5
 T: FTMS (1,1) + p ESI Full ms [50.00-1000.00]



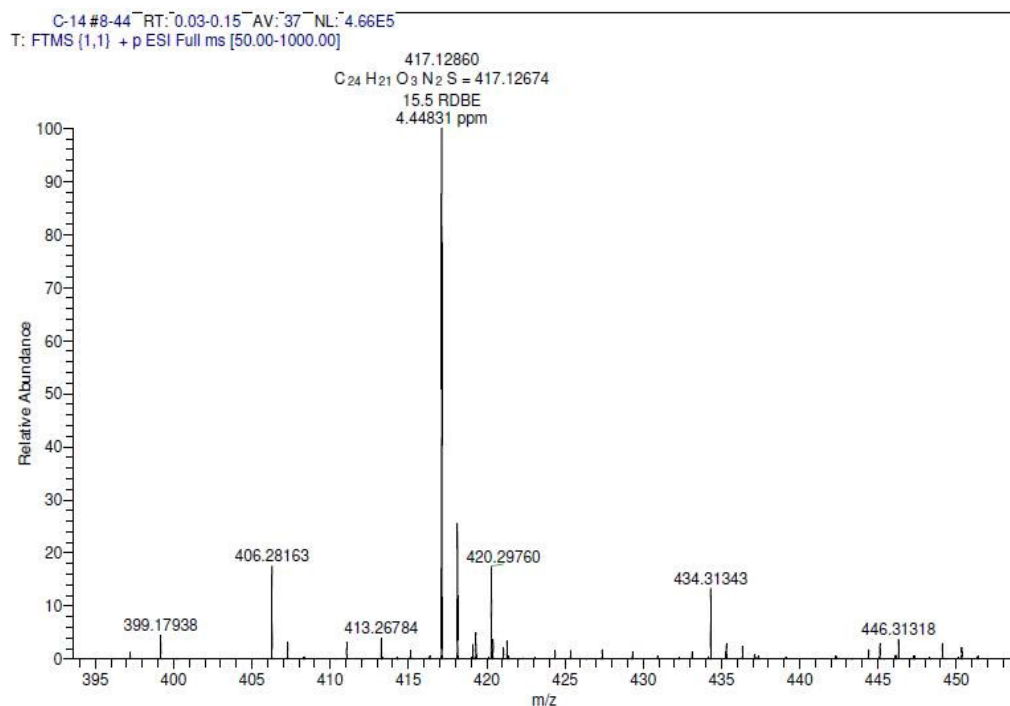
HRMS of compound 8i



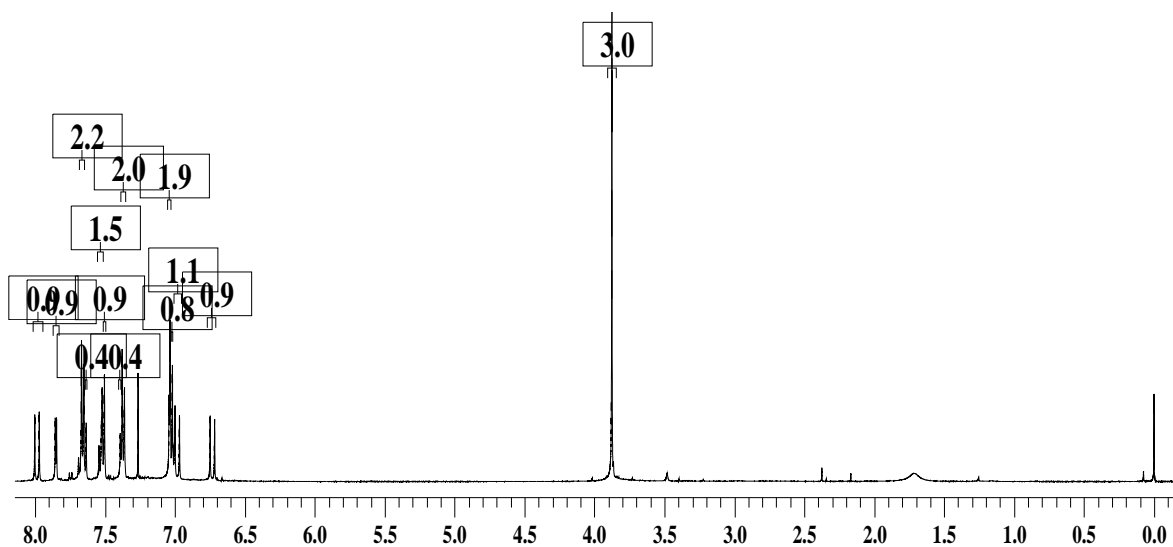
¹³C NMR of compound 8j



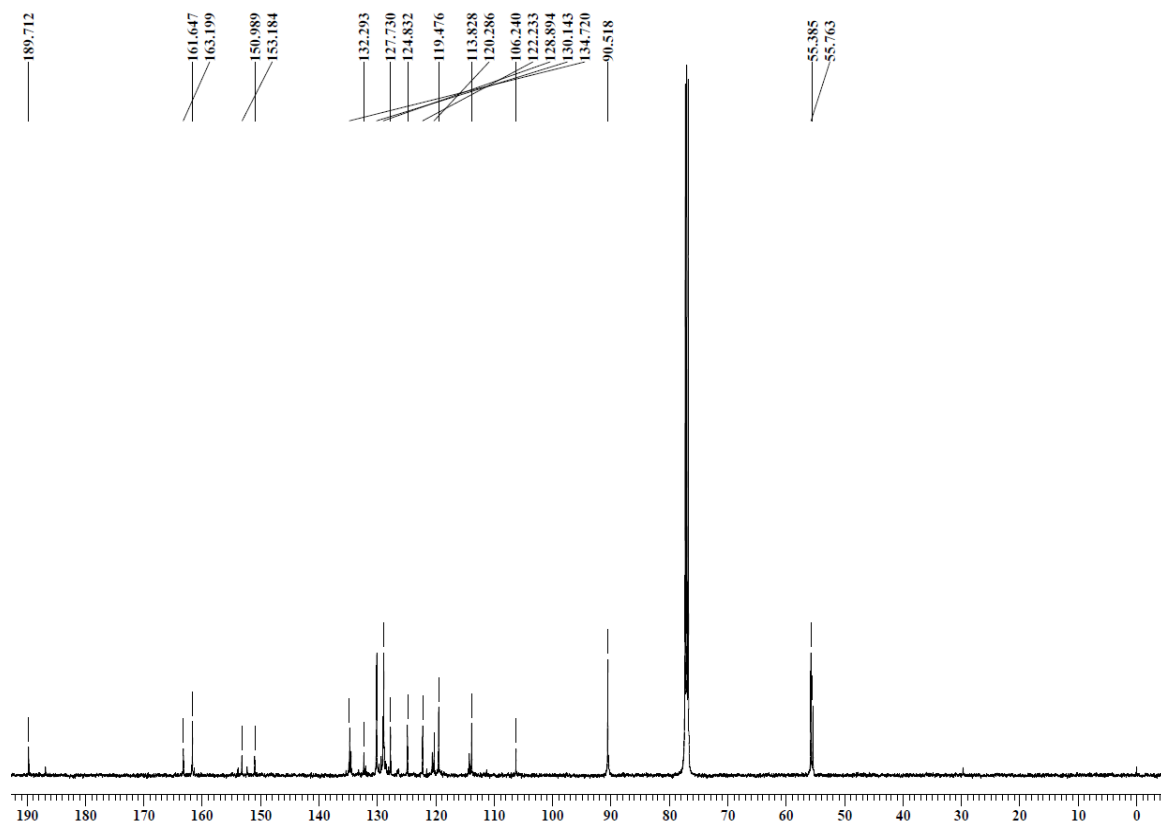
¹³C NMR of compound 8j



HRMS of compound 8j

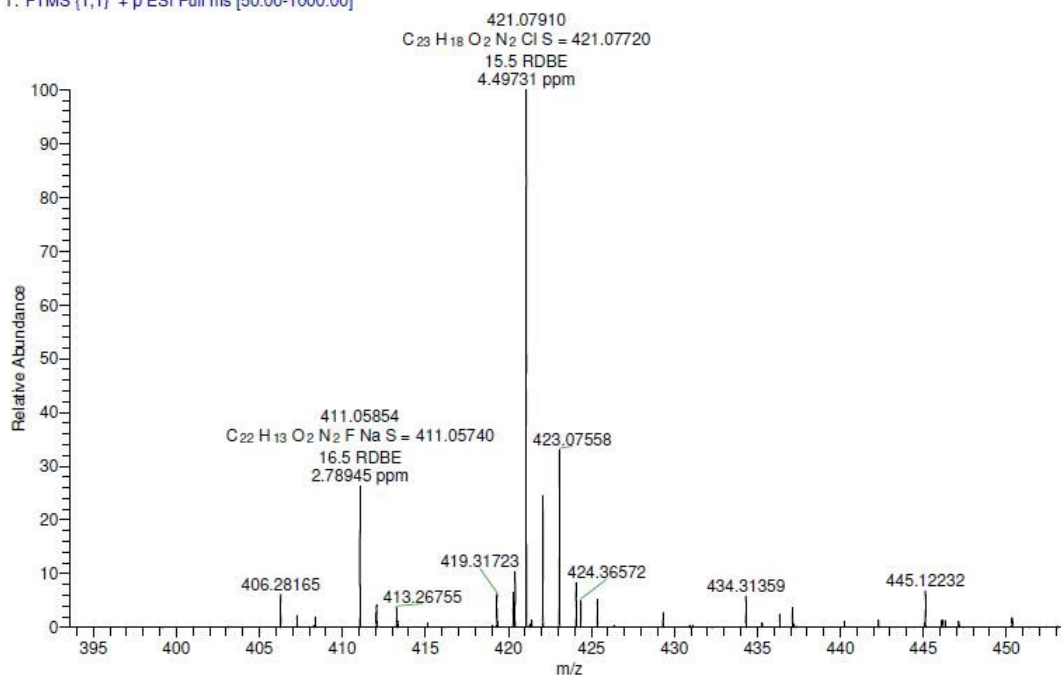


¹H NMR of compound 8k

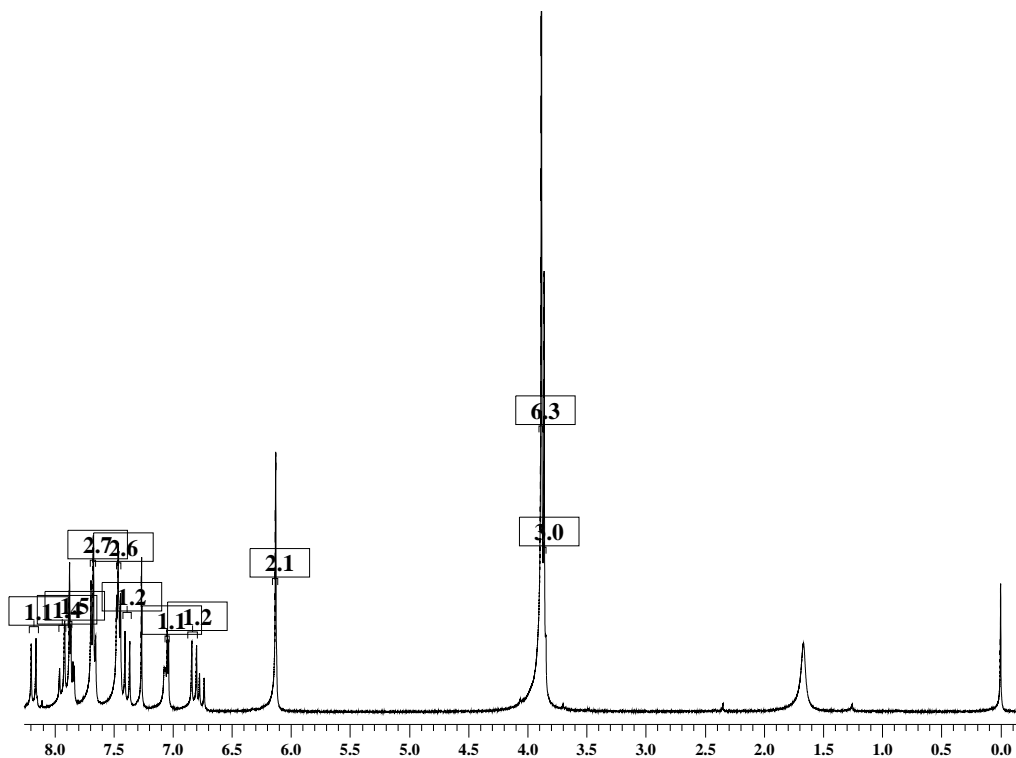


^{13}C NMR of compound 8k

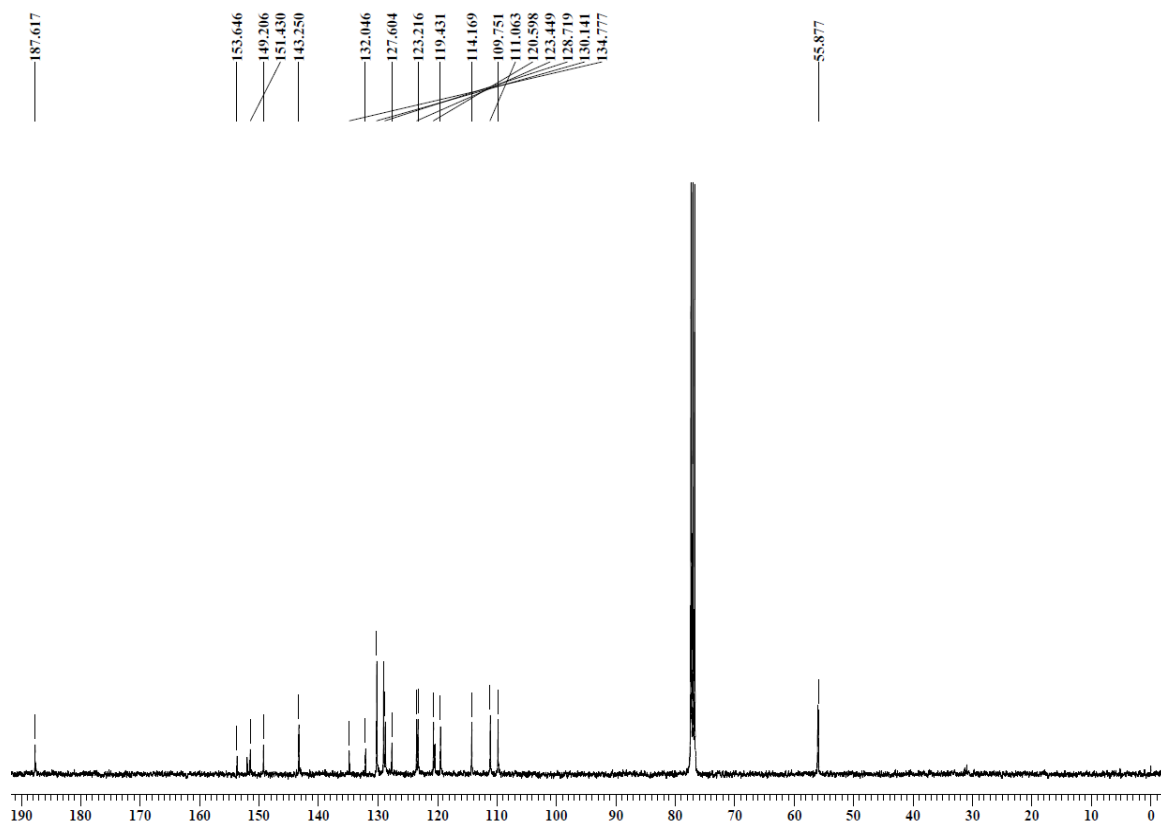
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HRMS of compound 8k

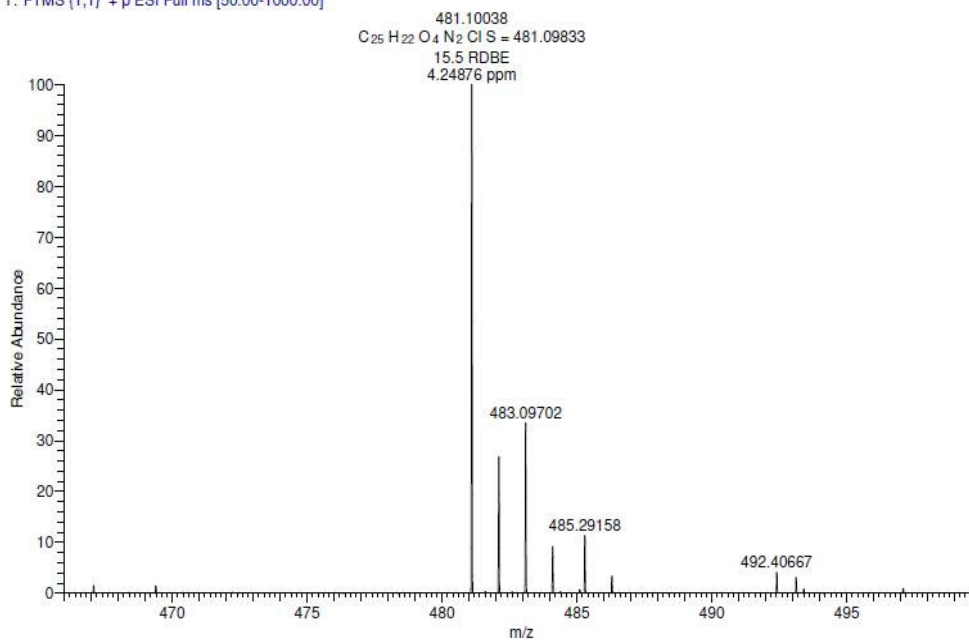


¹H NMR of compound 8l

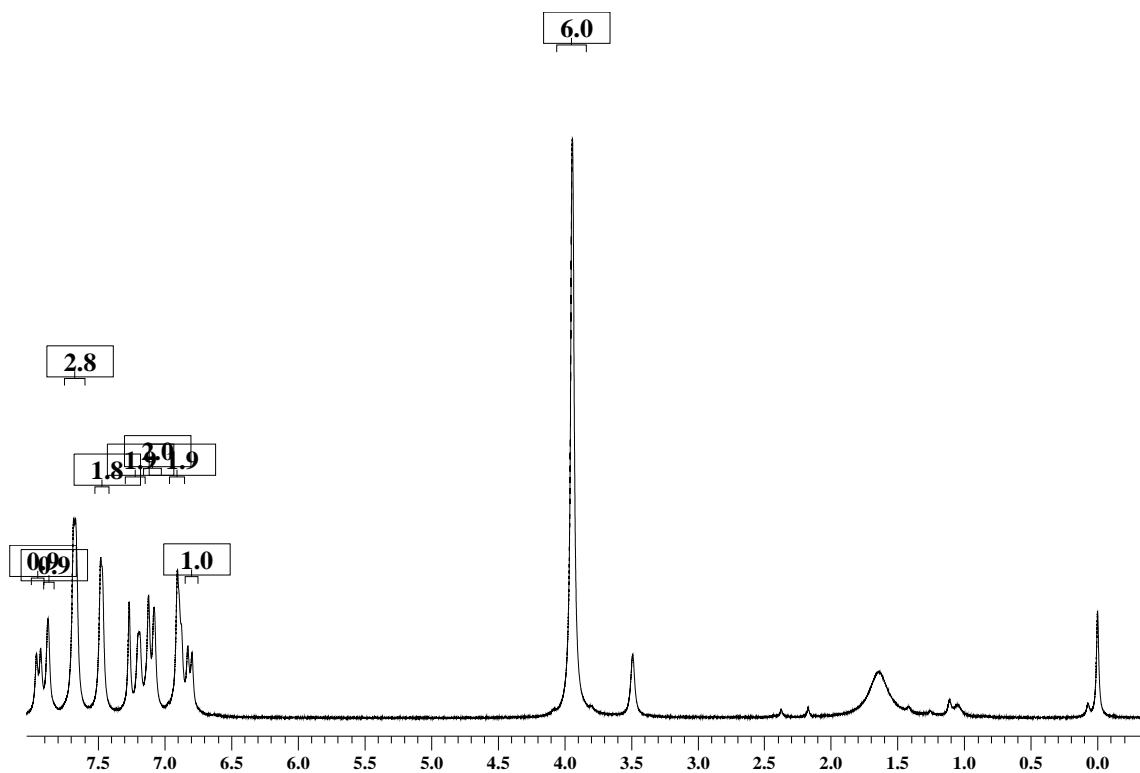


¹³C NMR of compound 8l

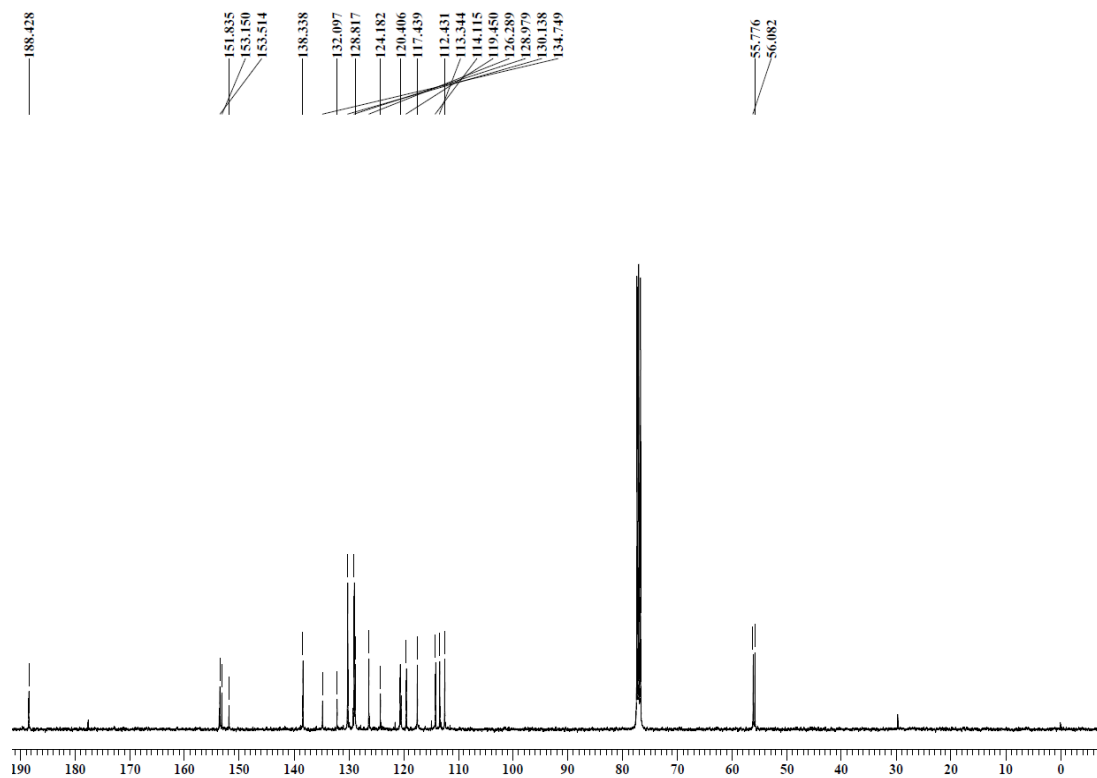
IC-5 #6-47 RT: 0.02-0.16 AV: 42 NL: 4.42E5
 T: FTMS (1,1) + p ESI Full ms [50.00-1000.00]



HRMS of compound 8l

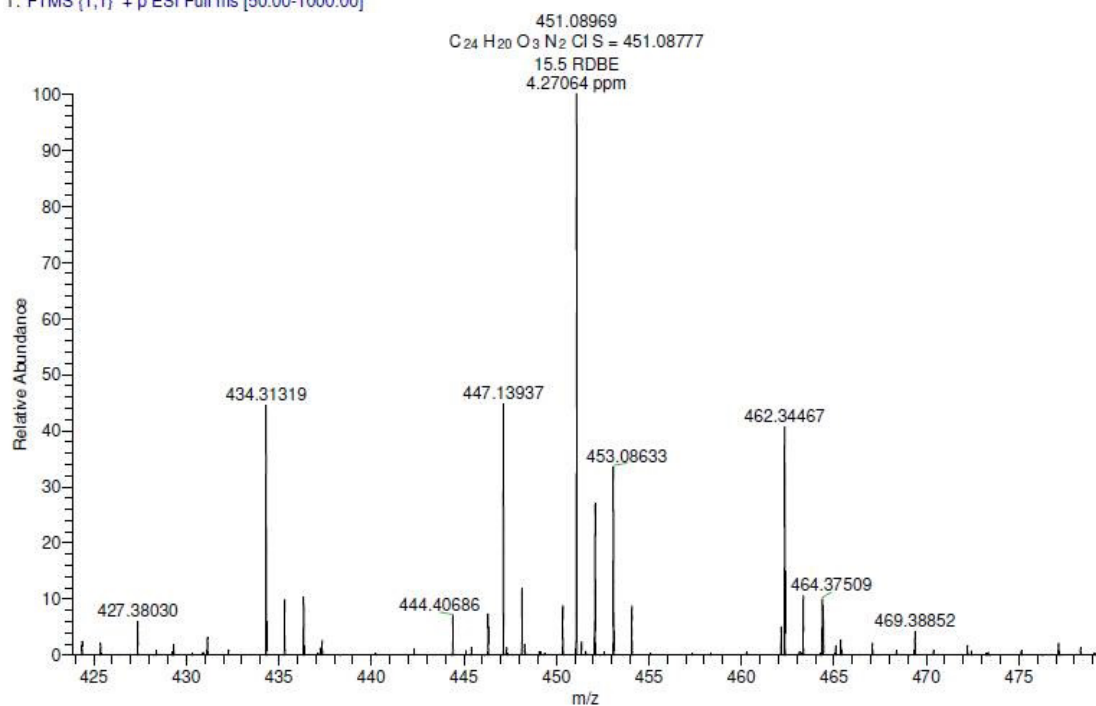


^1H NMR of compound 8m

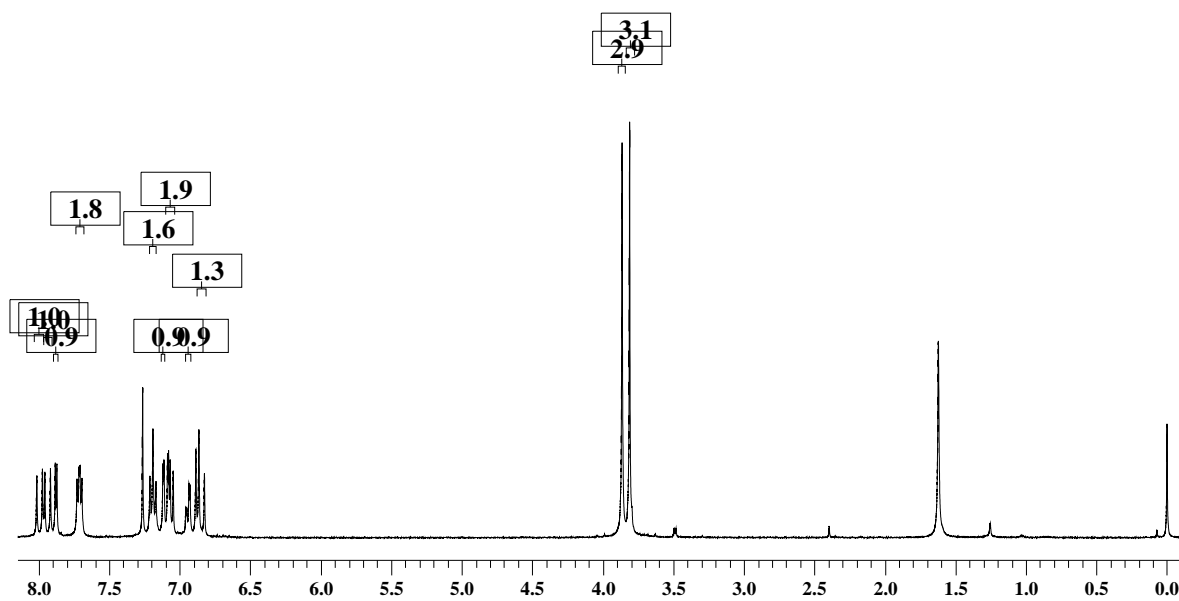


^{13}C NMR of compound 8m

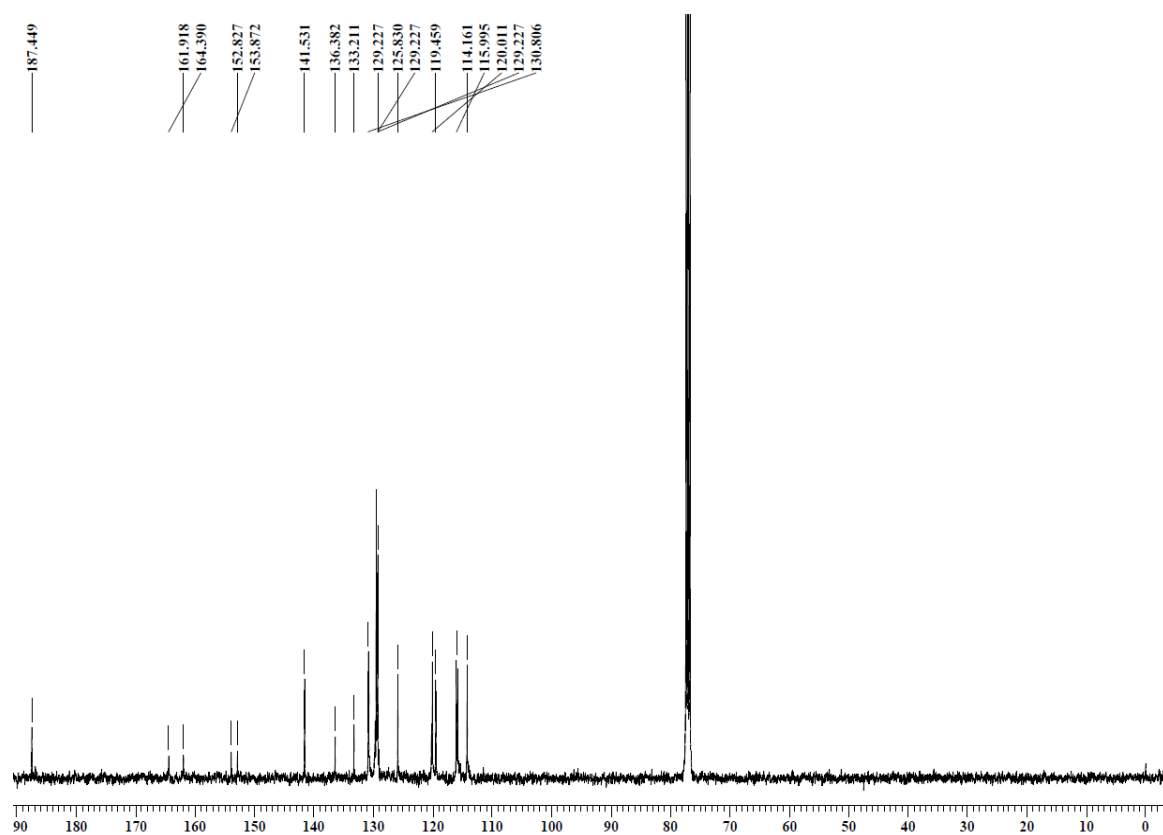
C-2 #5-53 RT: 0.02-0.18 AV: 49 NL: 2.56E5
 T: FTMS (1,1) + p ESI Full ms [50.00-1000.00]



HRMS of compound 8m



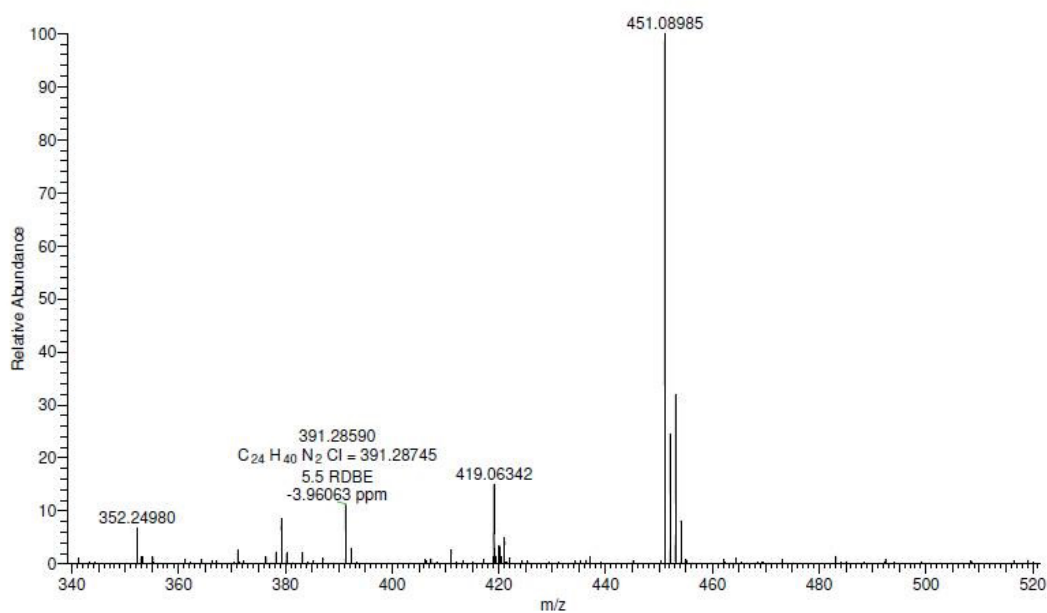
^1H NMR of compound 8n



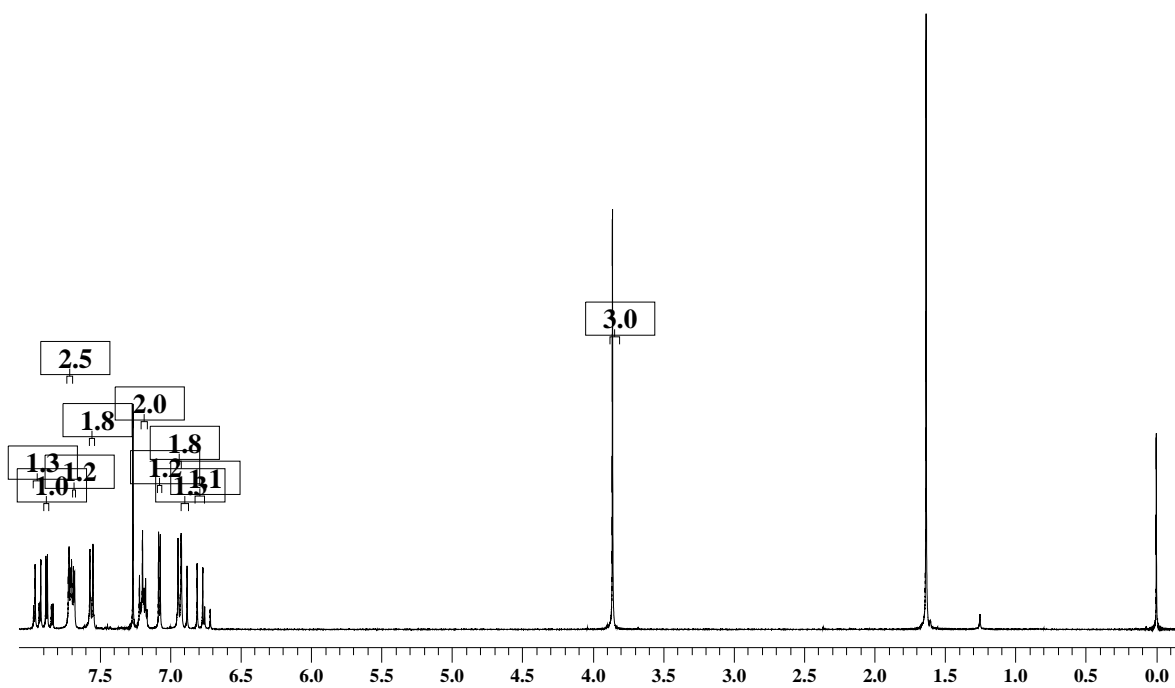
¹³C NMR of compound 8n

INTERMEDIER EXACTIVE ORBITRAP
Analysed By G SaiKrishna
8/3/2018 3:40:56 PM

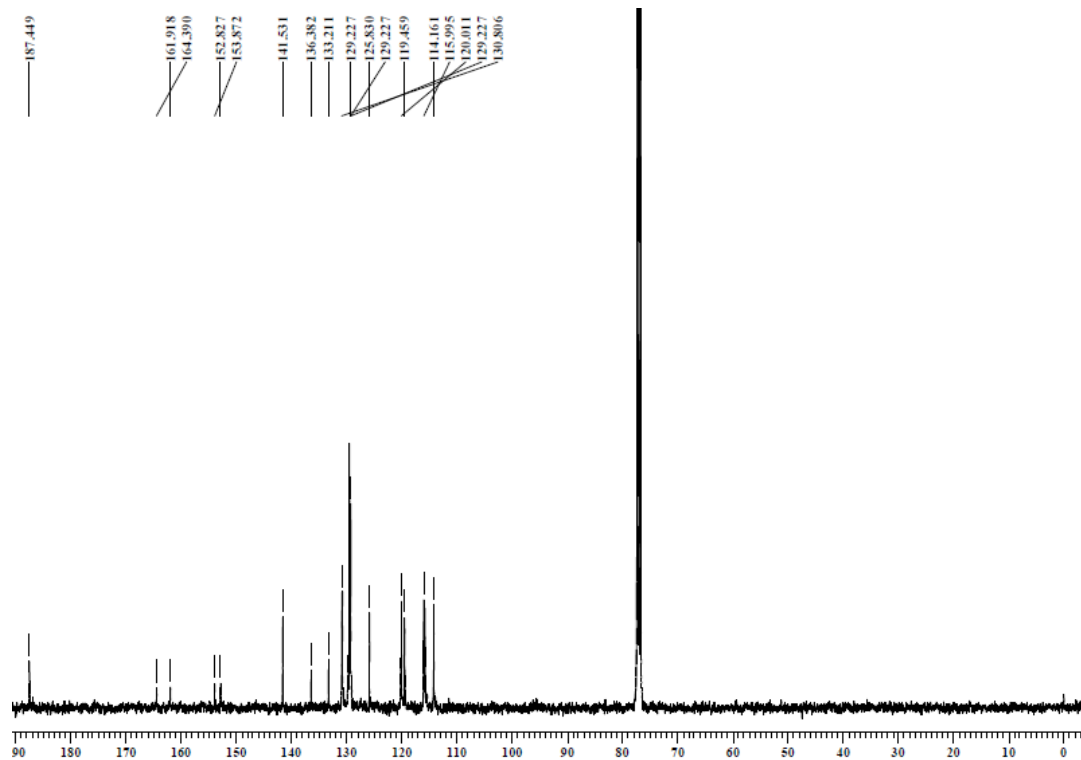
IC-21 #5-33 RT: 0.02-0.12 AV: 29 NL: 1.11E6
T: FTMS (1,1) + p ESI Full ms [50.00-1000.00]



HRMS of compound 8n

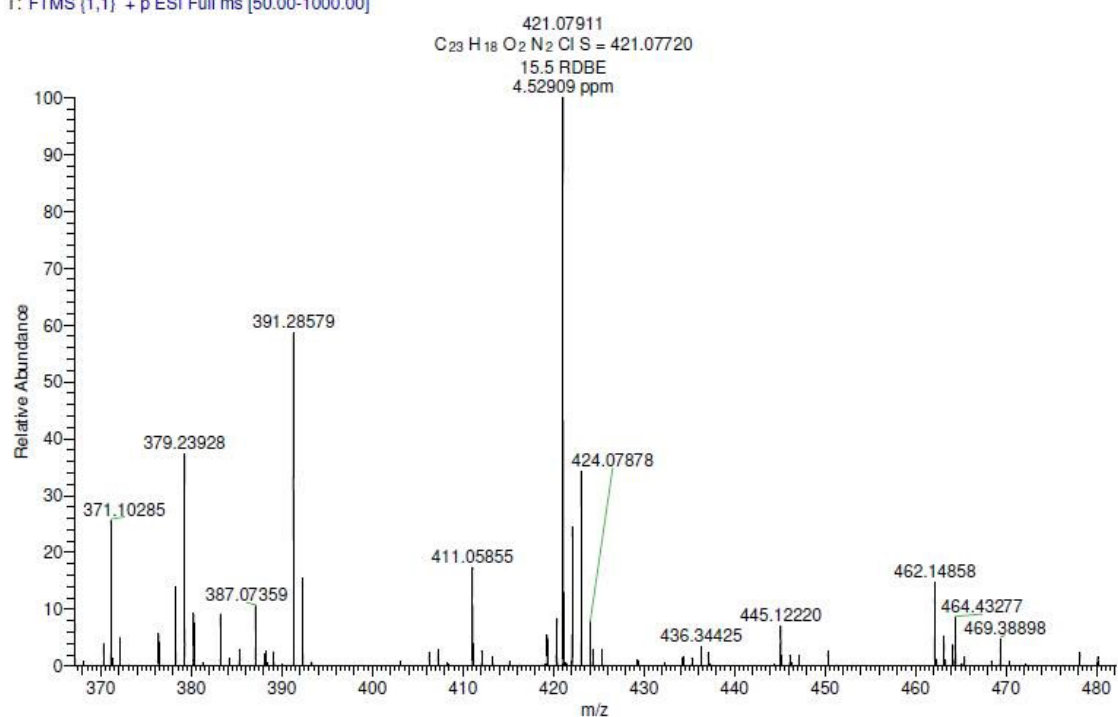


¹H NMR of compound 8o



¹³C NMR of compound 80

C-9 #9-37 RT: 0.03-0.13 AV: 29 NL: 2.48E5
T: FTMS (1,1) + p ESI Full ms [50.00-1000.00]



HRMS of compound 8o