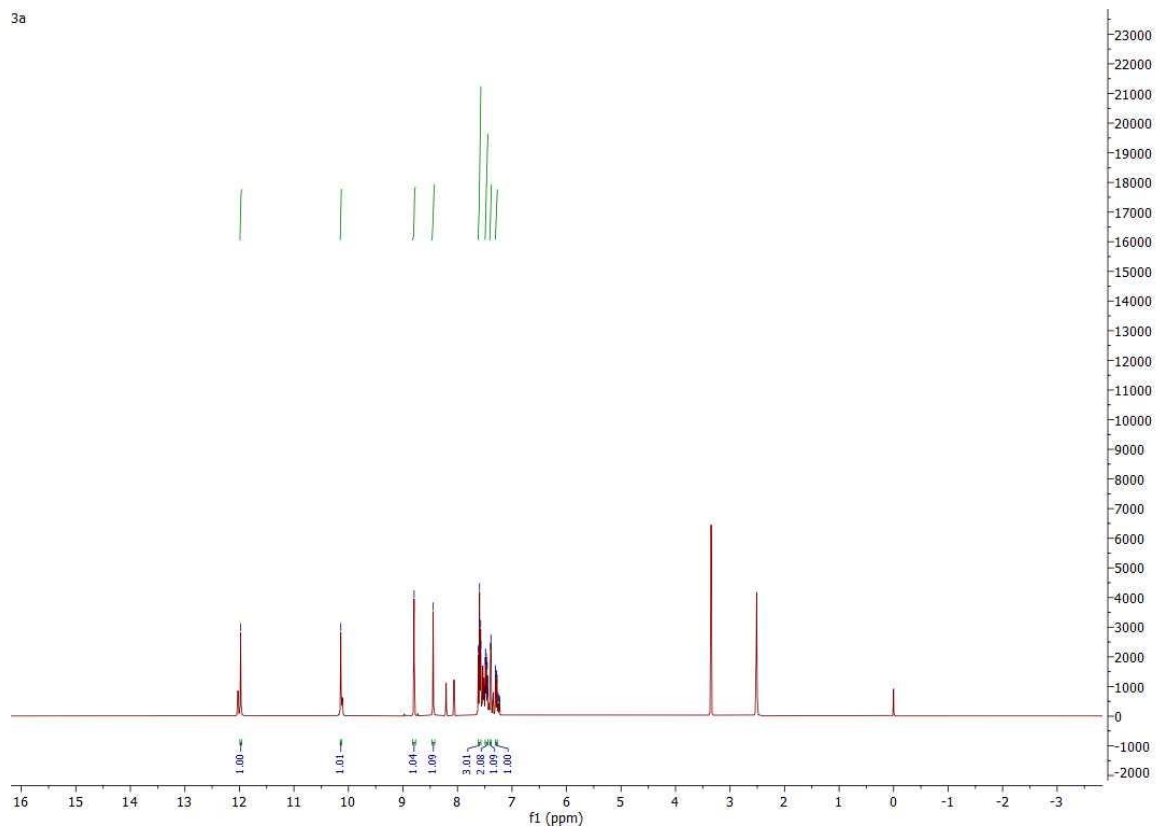


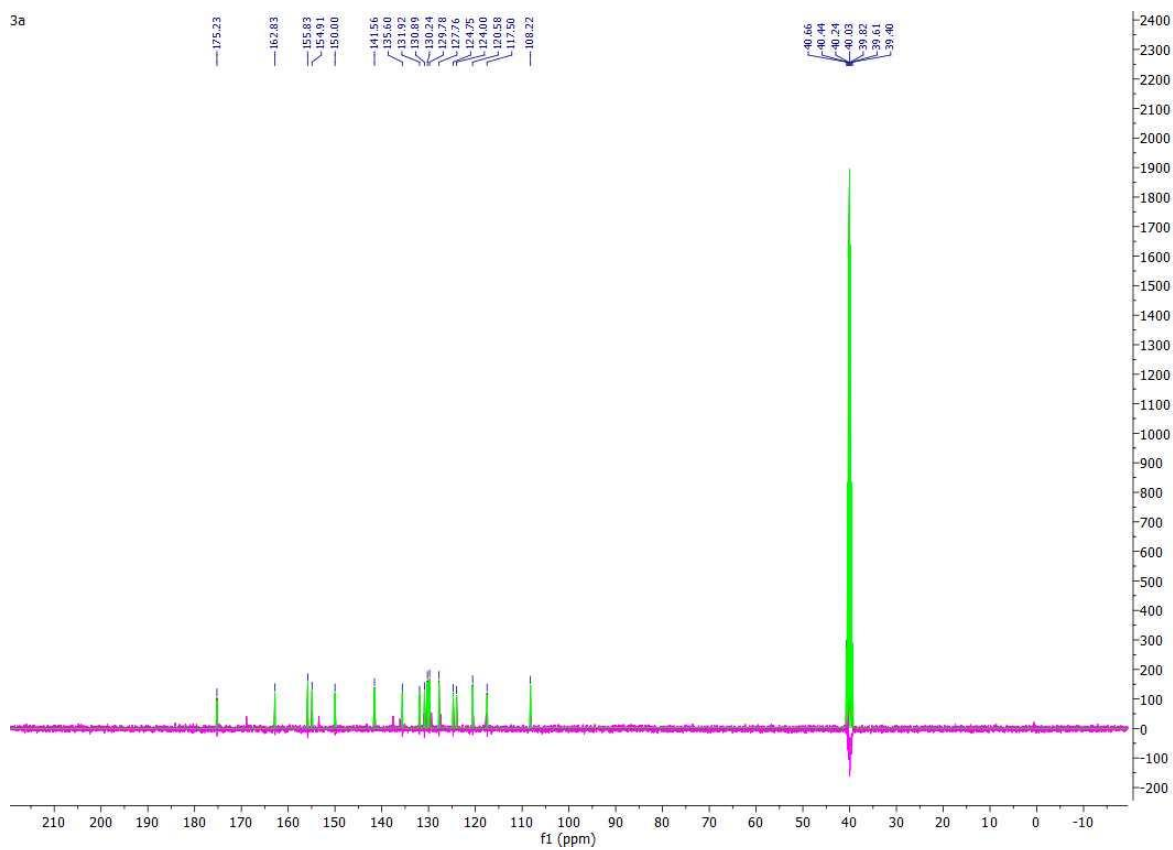
Supporting Information

Contents

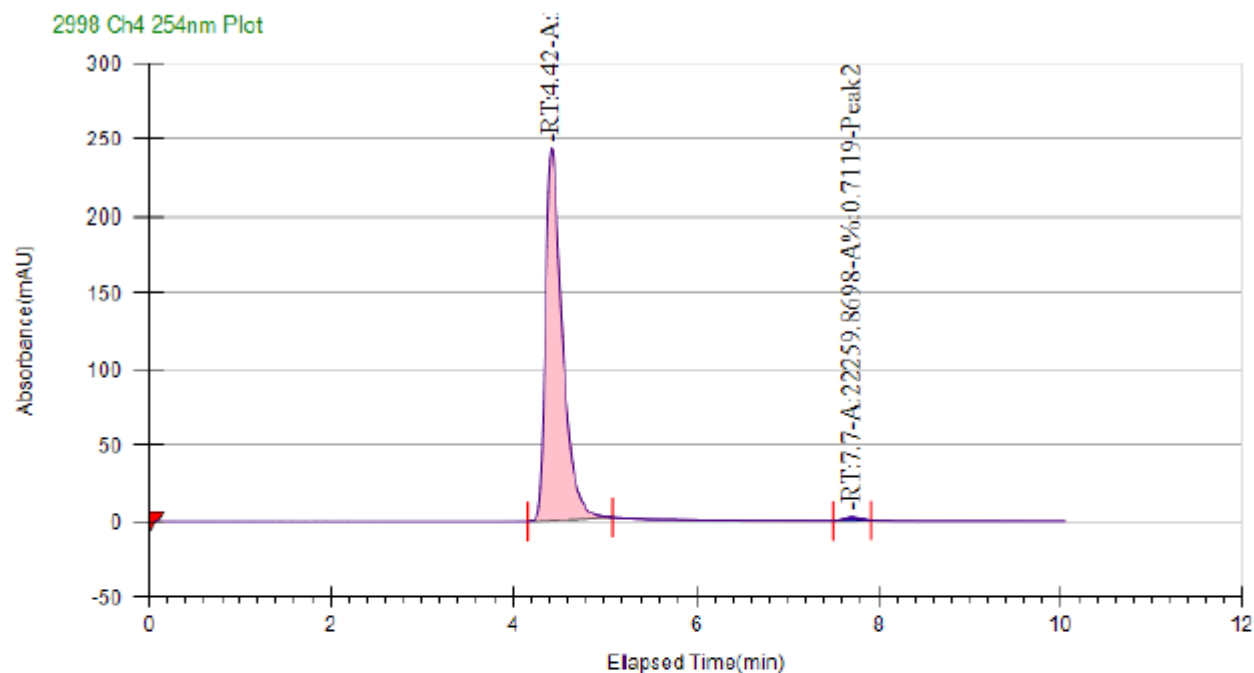
	Pages
¹ H and ¹³ C NMR Spectra and HPLC Chromatograms of Compounds 3a-p.....	2-17
<i>K_i</i> Graphs of compounds 3a-p for hCA I.....	34-35
<i>K_i</i> Graphs of compounds 3a-p for hCA II.....	36-37
<i>K_i</i> Graphs of compounds 3a-p for AChE.....	38-39
Antioxidant Activity Graphs of compounds 3a-p.....	40
IC50 graphs of compounds 3c, 3e, and 3m for HUVEC.....	41
HRMS-ESI Spectra of 3a-p	42-56



^1H NMR of 3a in DMSO^{d6}



^{13}C NMR of 3a in DMSO^{d6}



General Information

Log Author	Log Date	Report By	Report Date	Notes
Waters	28.01.2026 12:43:21	Default User	1/28/2026	

Run Information

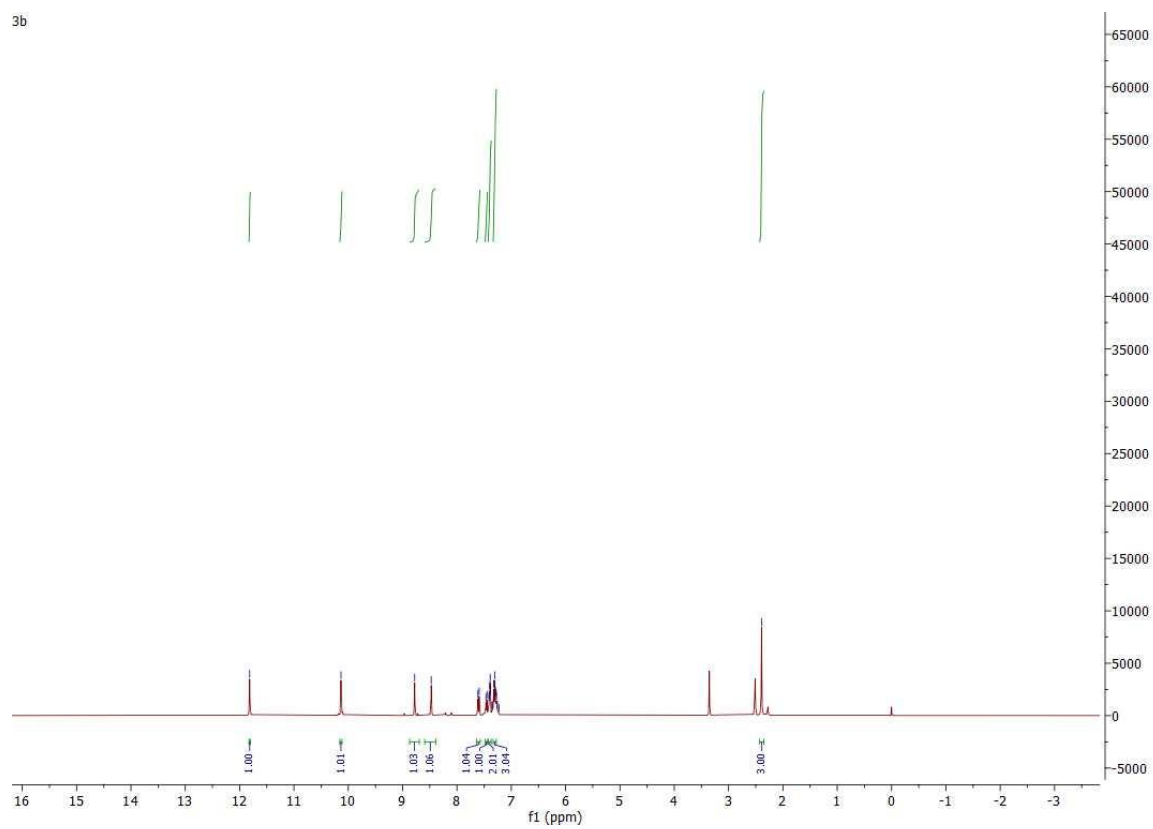
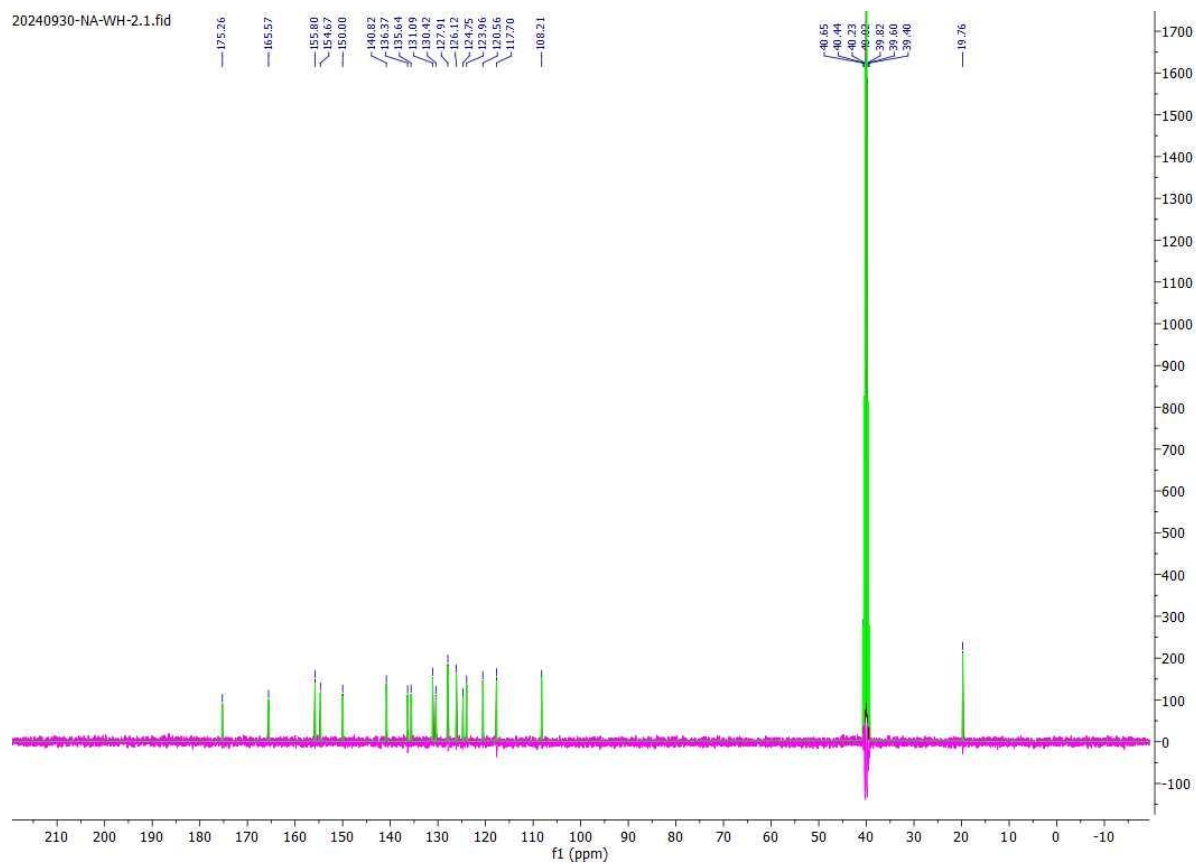
Instrument Method	Inj. Vol. (uL)	Sample	Well Location	Flow (ml/min)	Pressure
Halil Şenol - MGM	100	WH-1	1:A,1	5.00	114 Bar

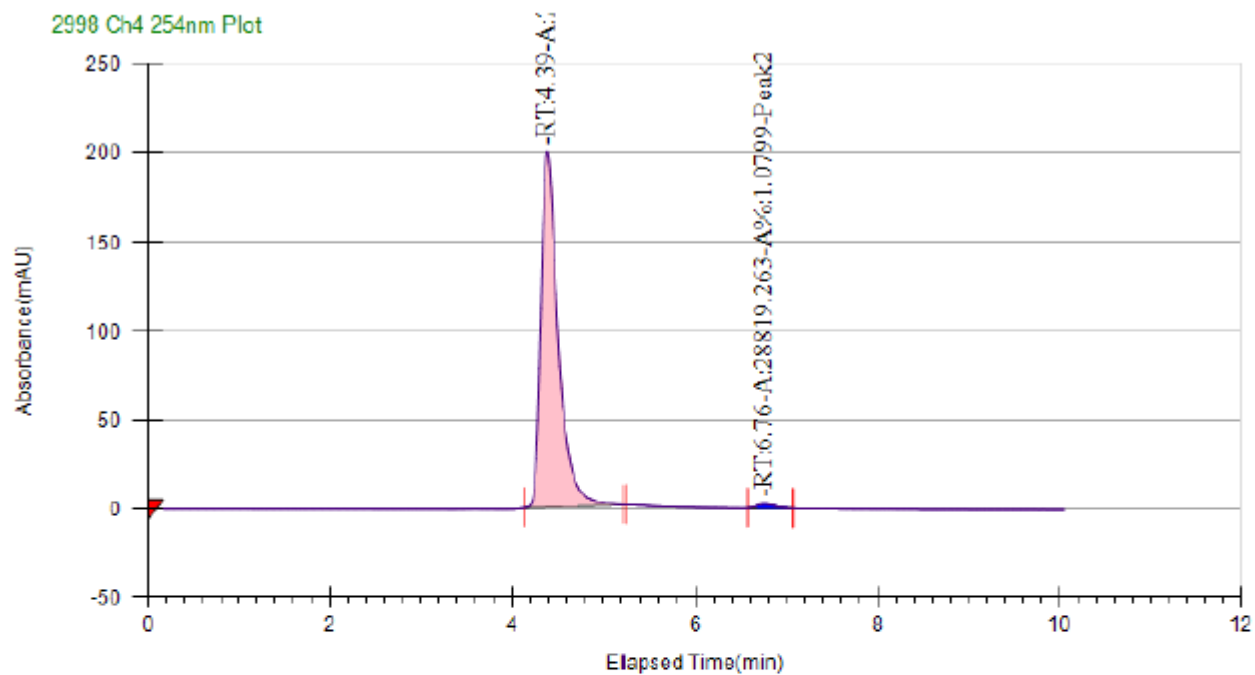
Peak Information

Peak No	% Area	Area	Ret. Time	Height	Cap. Factor
1	99.2881	3104585.6093	4.42 min	243.2436	4424
2	0.7119	22259.8698	7.7 min	1.8148	7699

HPLC Chromatogram of Compound 3a

3b

 ^1H NMR of 3b in DMSO-d_6  ^{13}C NMR of 3b in DMSO-d_6



General Information

Log Author	Log Date	Report By	Report Date	Notes
Waters	1/28/2026 12:54:01 PM	Default User	1/28/2026	

Run Information

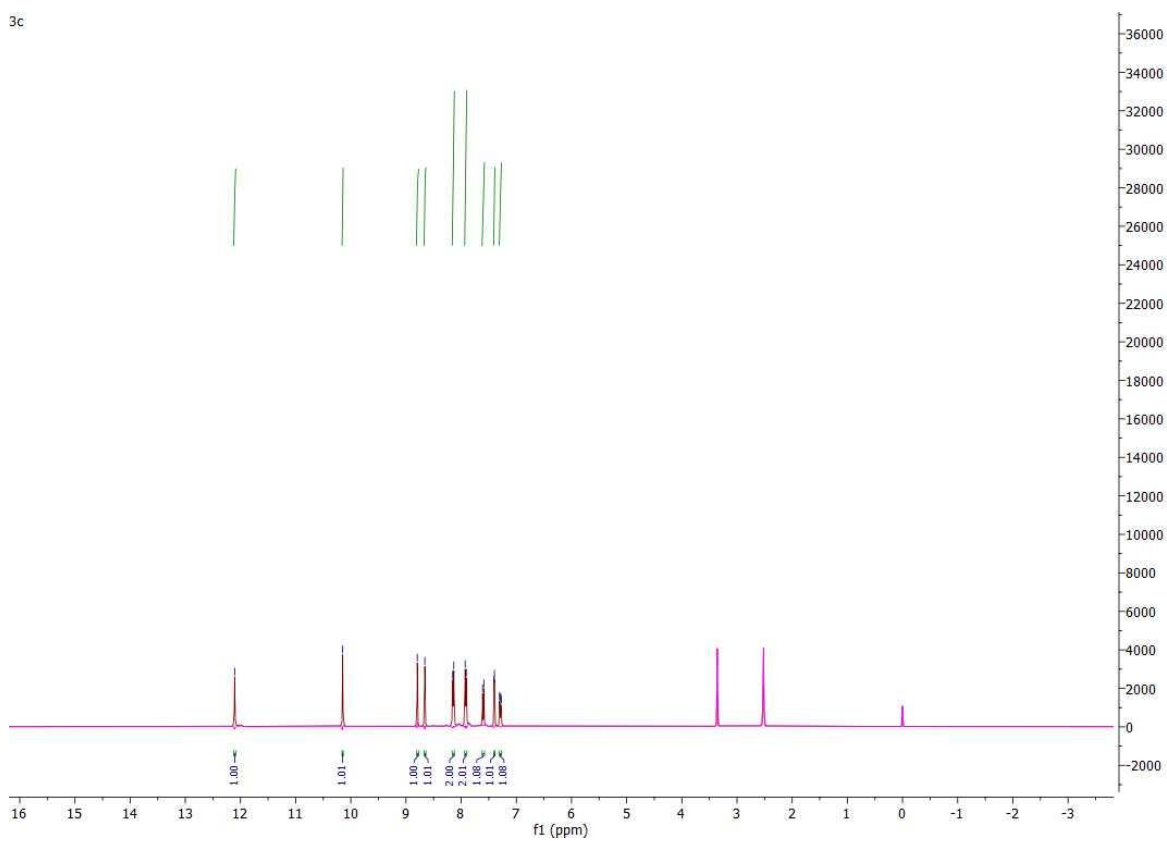
Instrument Method	Inj. Vol. (uL)	Sample	Well Location	Flow (ml/min)	Pressure
Halil Şenol - MGM	100	WH-2	1:A,2	5.00	133 Bar

Peak Information

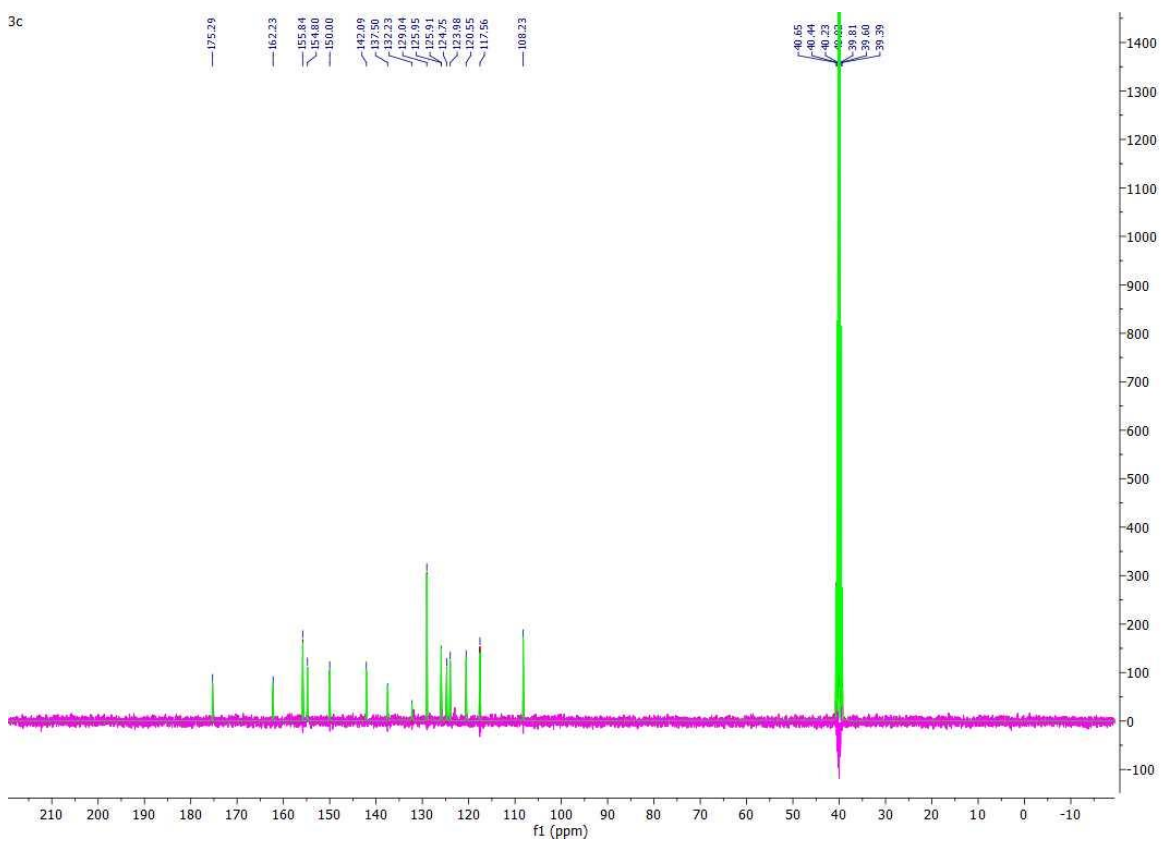
Peak No	% Area	Area	Ret. Time	Height	Cap. Factor
1	98.9201	2839890.0466	4.39 min	199.4411	4390.6667
2	1.0799	28819.263	6.76 min	2.1779	6757.3333

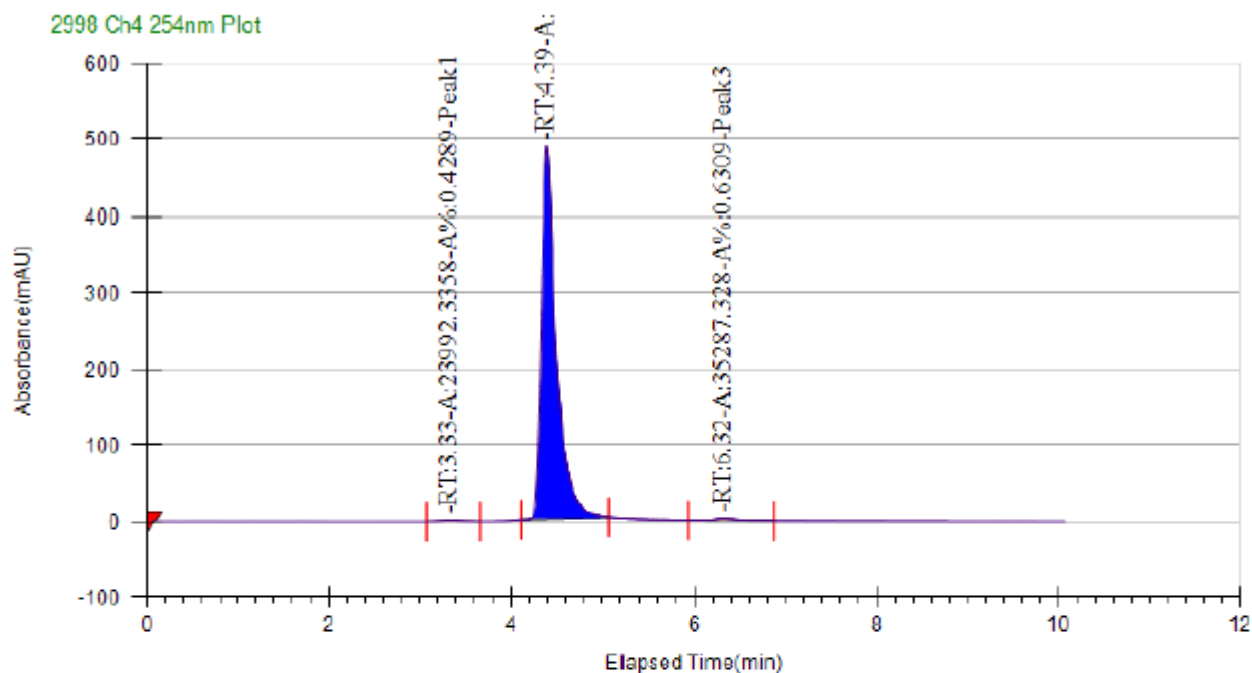
HPLC Chromatogram of Compound 3b

3c



3c





General Information

Log Author	Log Date	Report By	Report Date	Notes
Waters	1/28/2026 1:04:36 PM	Default User	1/28/2026	

Run Information

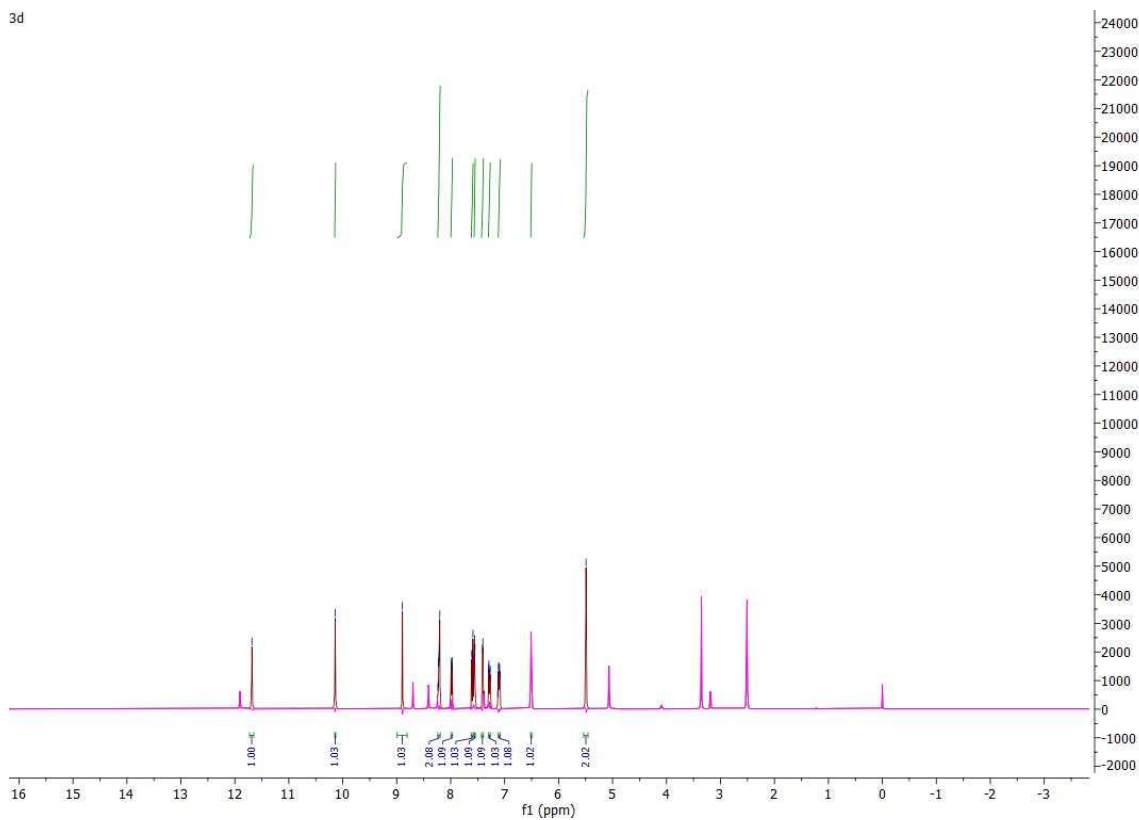
Instrument Method	Inj. Vol. (uL)	Sample	Well Location	Flow (ml/min)	Pressure
Halil Şenol - MGM	100	WH-3	1:A,3	5.00	130 Bar

Peak Information

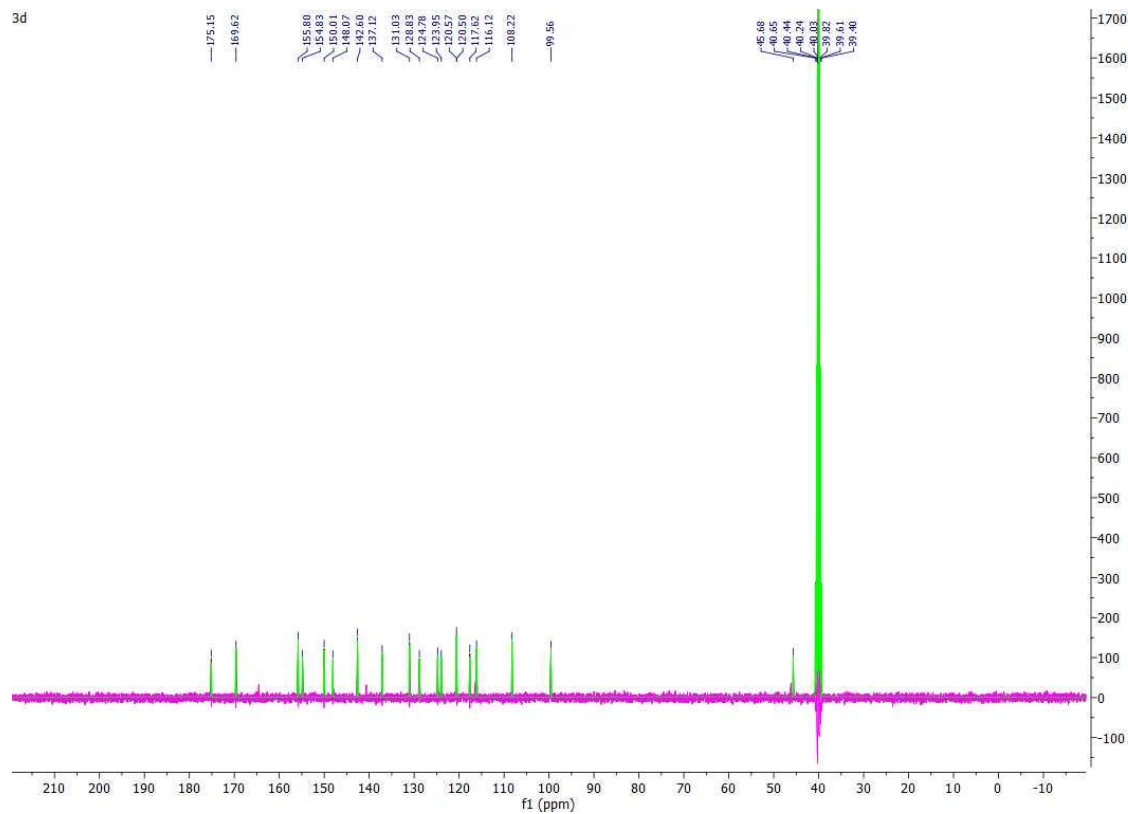
Peak No	% Area	Area	Ret. Time	Height	Cap. Factor
1	0.4289	23992.3358	3.33 min	1.6537	3332.3333
2	98.9402	5534269.0295	4.39 min	487.4541	4390.6667
3	0.6309	35287.328	6.32 min	2.5204	6315.6667

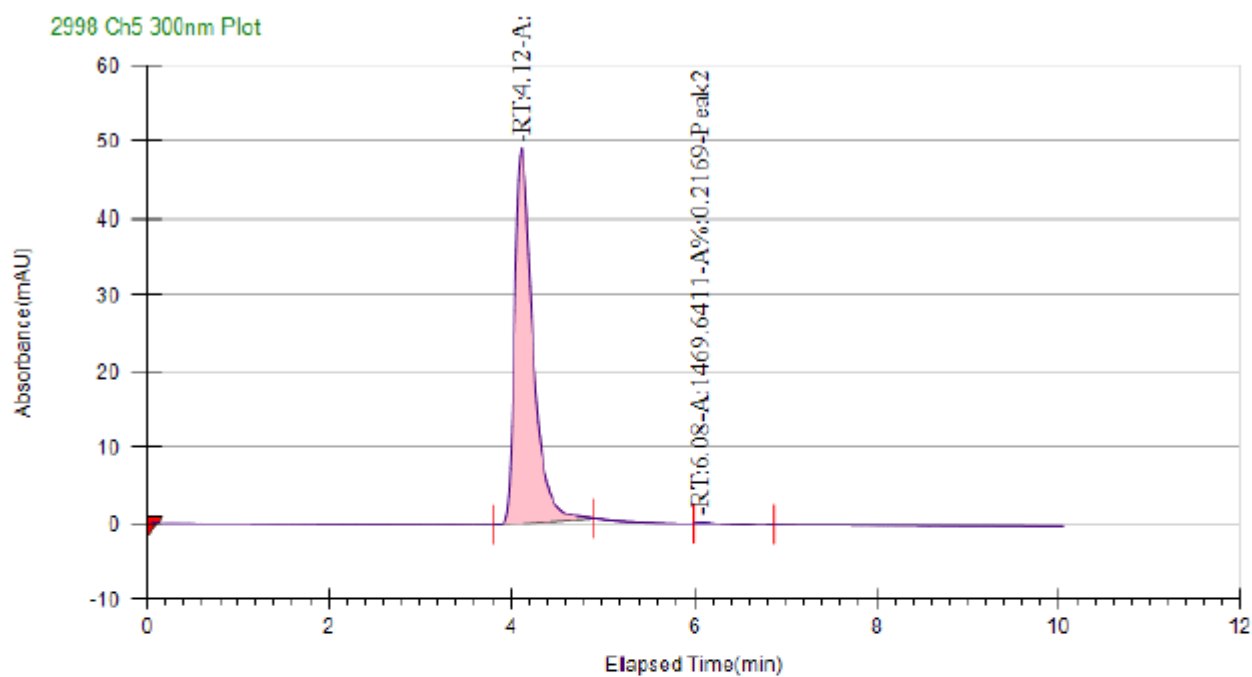
HPLC Chromatogram of Compound 3c

3d

 ^1H NMR of 3d in $\text{DMSO}-d_6$

3d

 ^{13}C NMR of 3d in $\text{DMSO}-d_6$



General Information

Log Author	Log Date	Report By	Report Date	Notes
Waters	1/28/2026 1:15:13 PM	Default User	1/28/2026	

Run Information

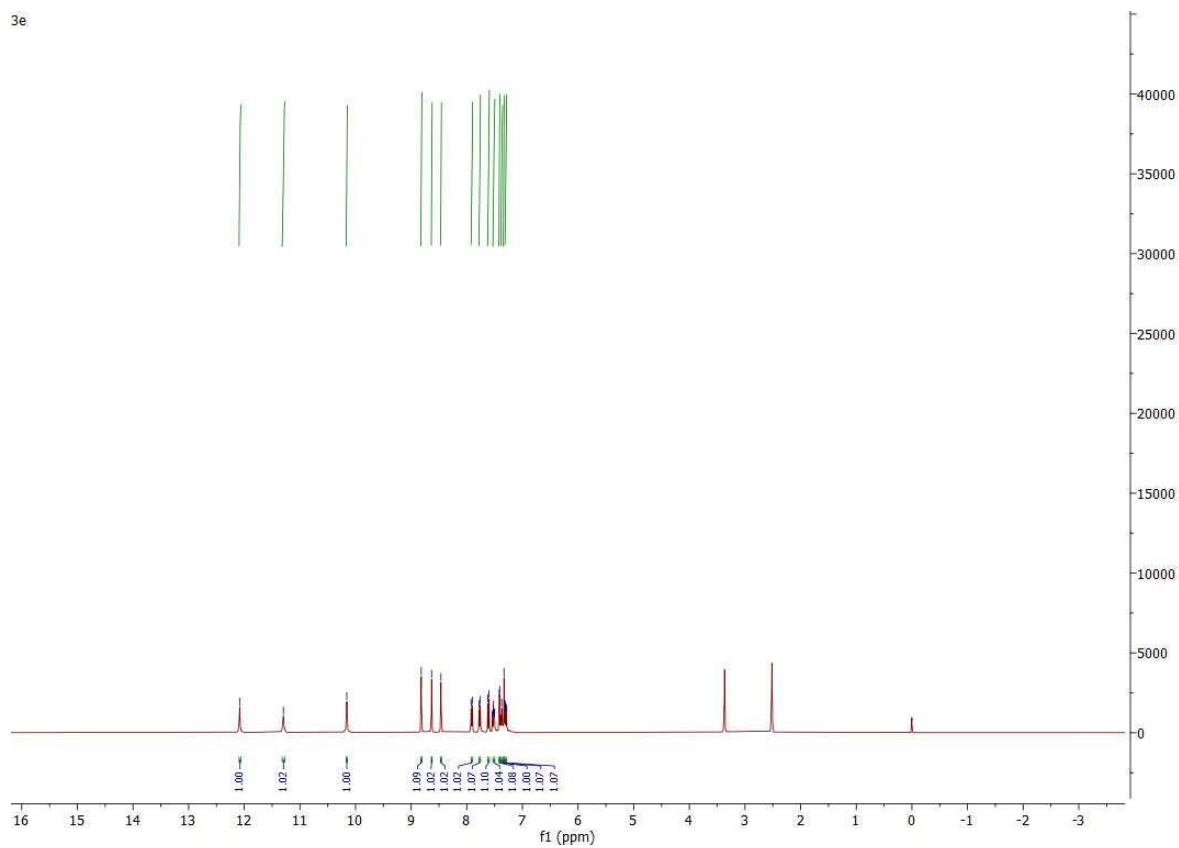
Instrument Method	Inj. Vol. (uL)	Sample	Well Location	Flow (ml/min)	Pressure
Halil Şenol - MGM	100	WH-4	1:A,4	5.00	135 Bar

Peak Information

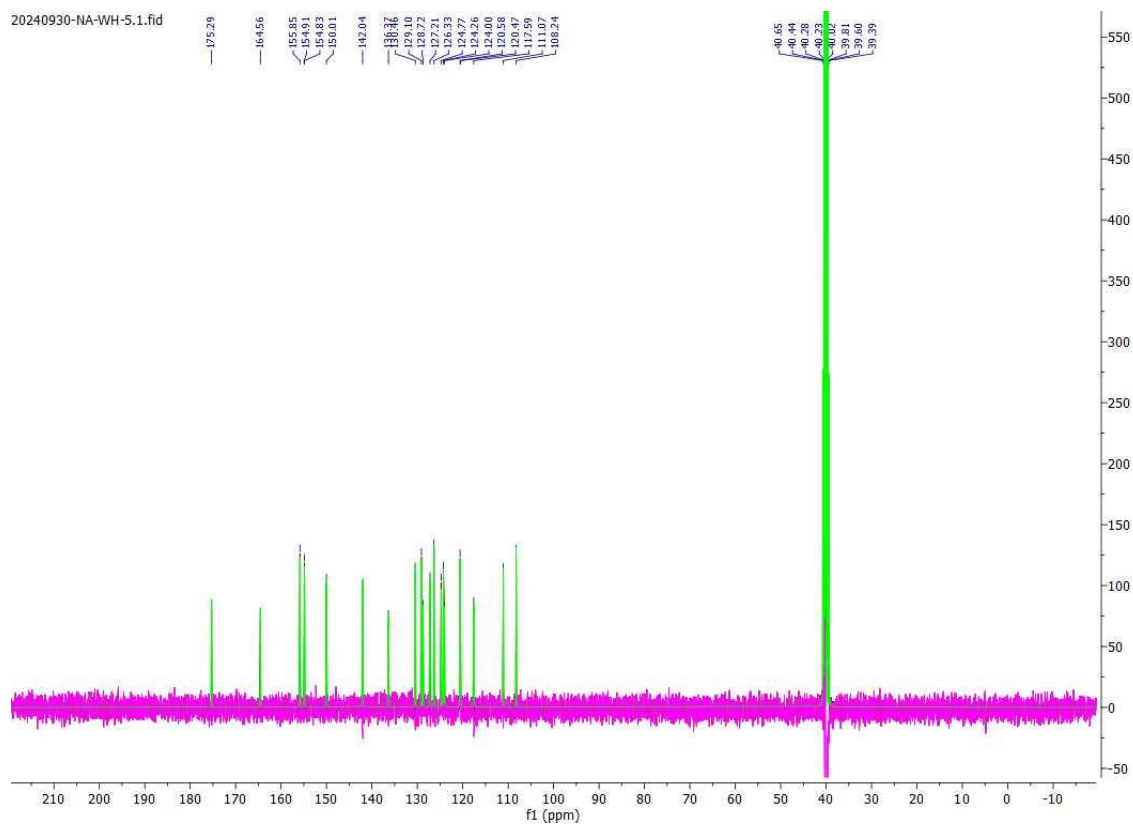
Peak No	% Area	Area	Ret. Time	Height	Cap. Factor
1	99.7831	876019.5082	4.12 min	49.0347	4115.6667
2	0.2169	1469.6411	6.08 min	0.1037	6082.3333

HPLC Chromatogram of Compound 3d

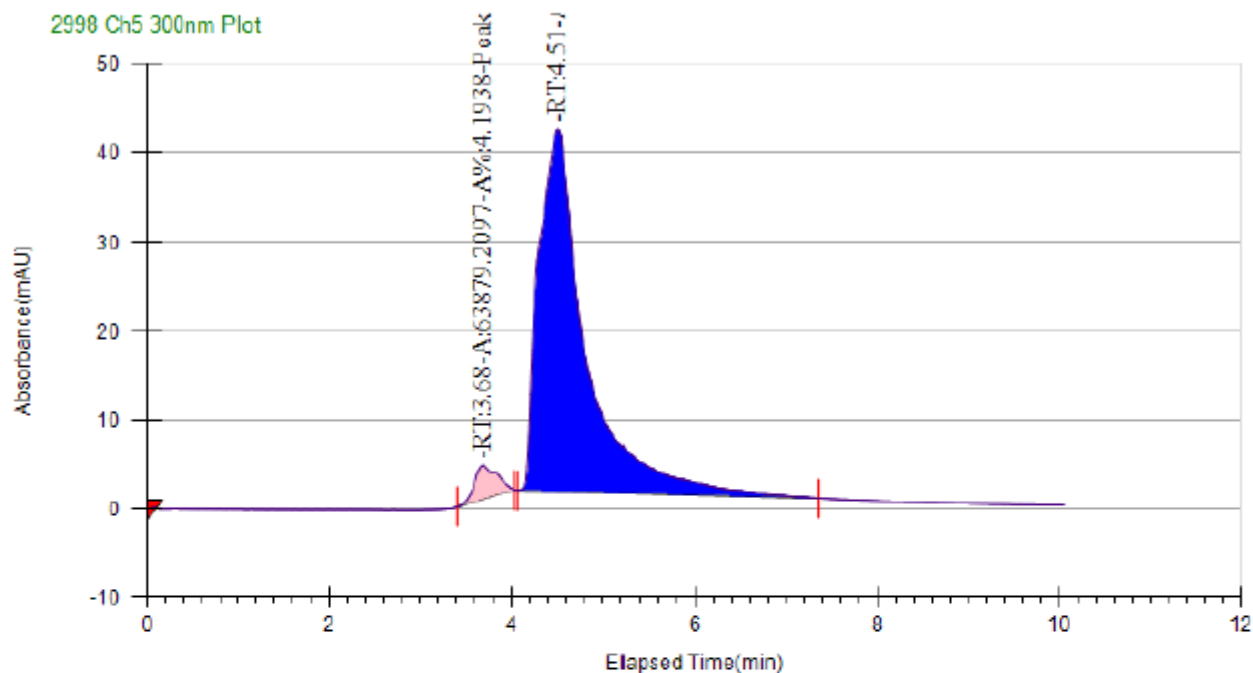
3e



^1H NMR of 3e in DMSO-d_6



^{13}C NMR of 3e in DMSO-d_6



General Information

Log Author	Log Date	Report By	Report Date	Notes
Waters	1/28/2026 1:25:49 PM	Default User	1/28/2026	

Run Information

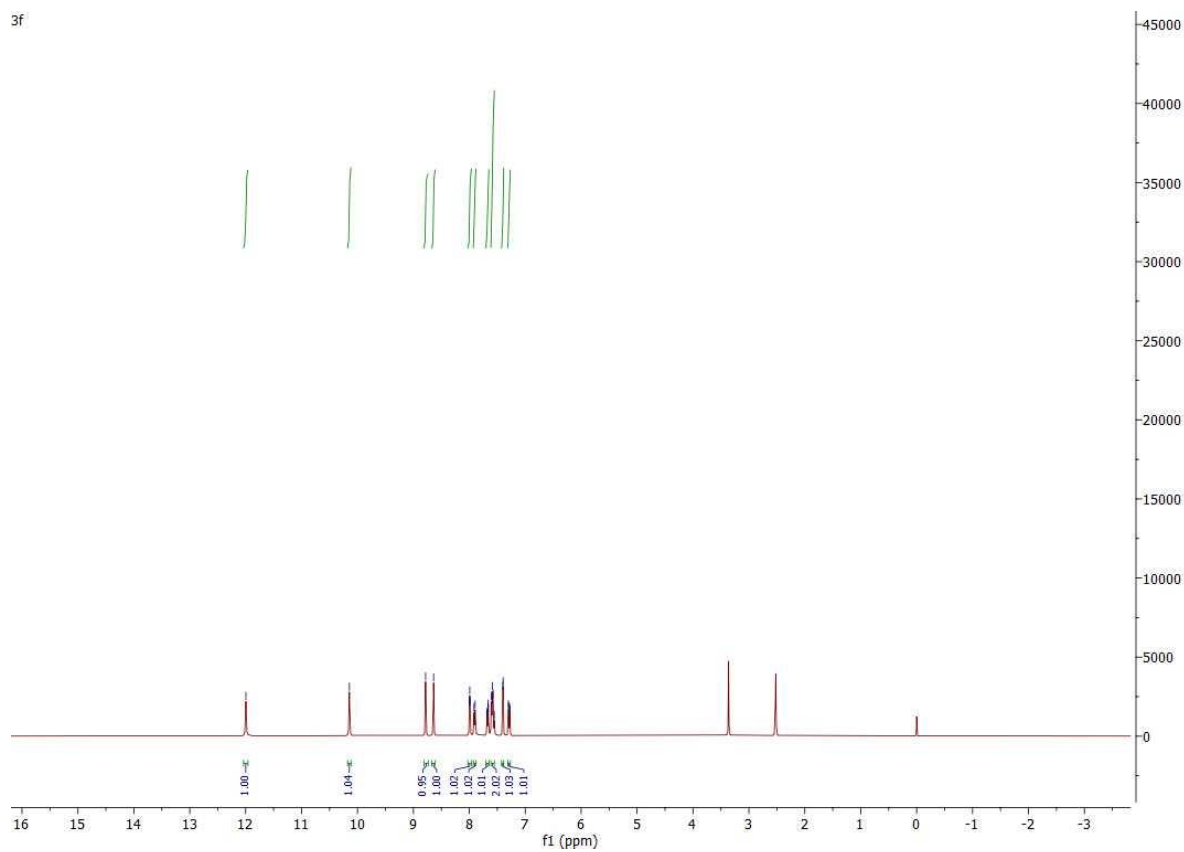
Instrument Method	Inj. Vol. (uL)	Sample	Well Location	Flow (ml/min)	Pressure
Halil Şenol - MGM	100	WH-5	1:B,1	5.00	139 Bar

Peak Information

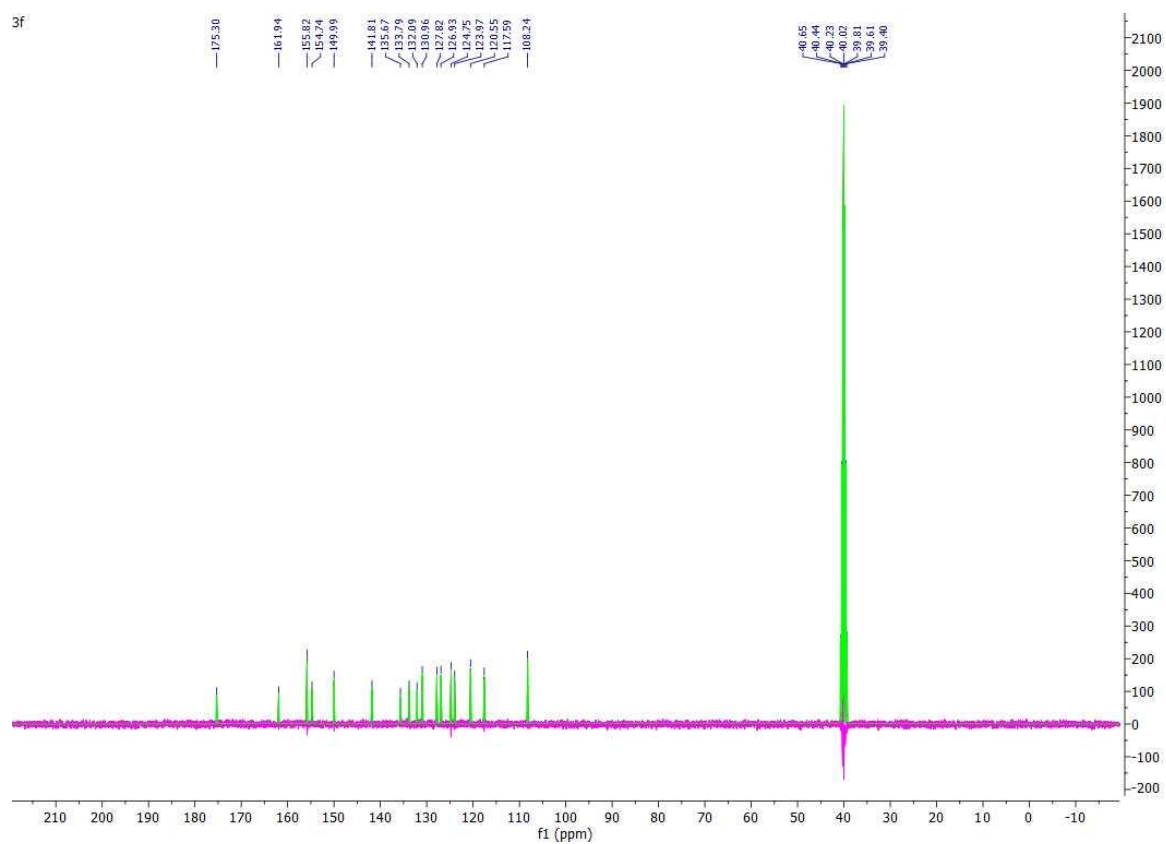
Peak No	% Area	Area	Ret. Time	Height	Cap. Factor
1	4.1938	63879.2097	3.68 min	3.7842	3682.3333
2	95.8062	1459320.4698	4.51 min	40.6229	4507.3333

HPLC Chromatogram of Compound 3e

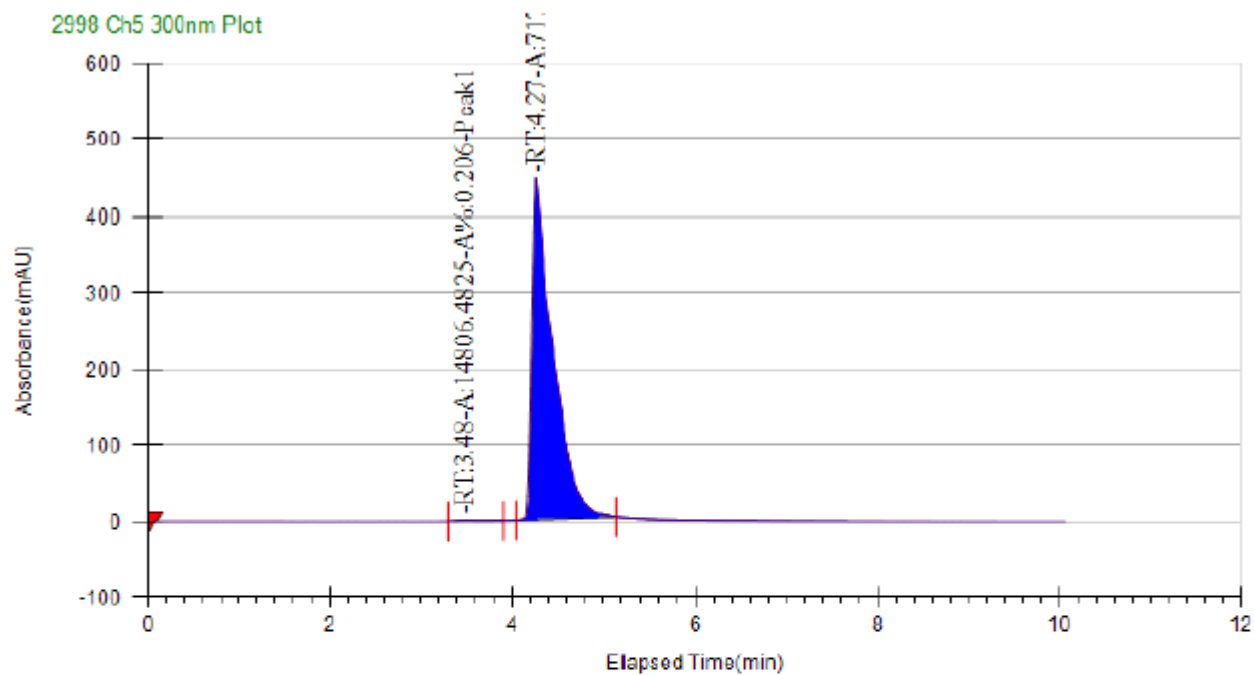
3f



$^1\text{H NMR}$ of 3f in DMSO-d_6



$^{13}\text{C NMR}$ of 3f in DMSO-d_6



General Information

Log Author	Log Date	Report By	Report Date	Notes
Waters	1/28/2026 1:36:25 PM	Default User	1/28/2026	

Run Information

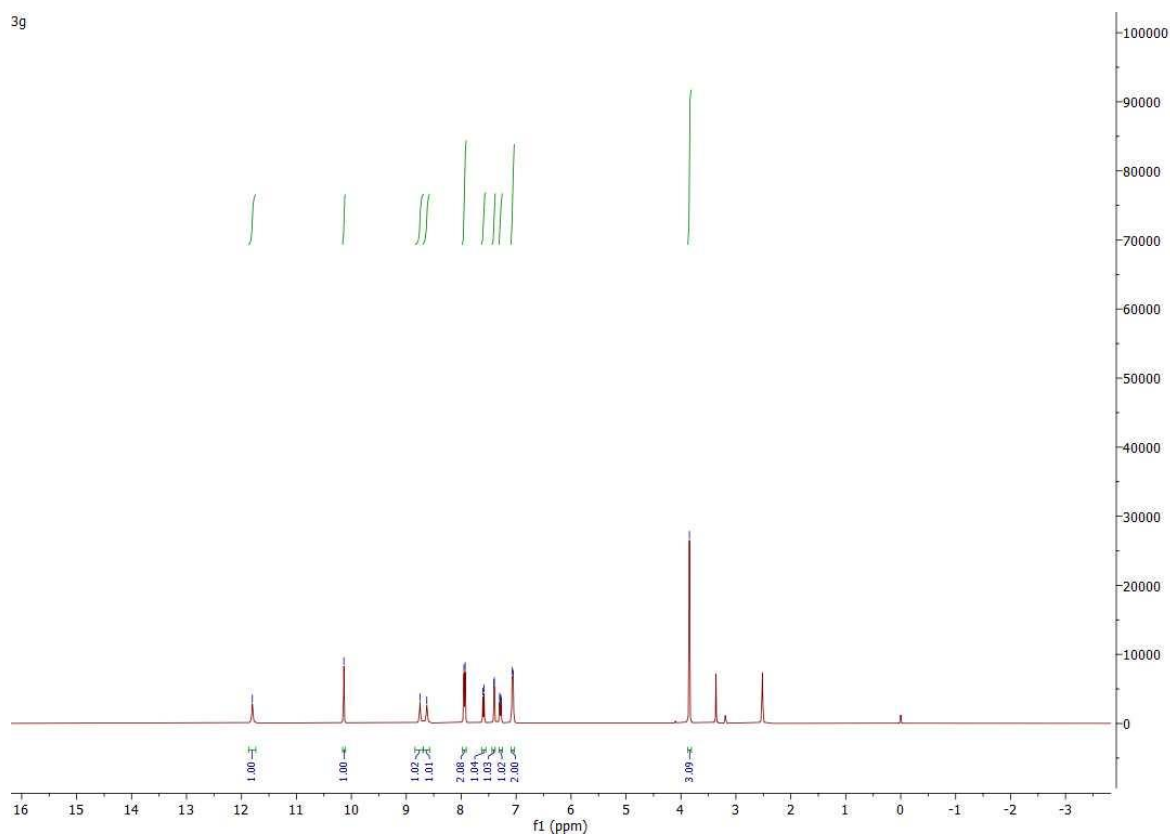
Instrument Method	Inj. Vol. (uL)	Sample	Well Location	Flow (ml/min)	Pressure
Halil Şenol - MGM	100	WH-8	1:B,2	5.00	147 Bar

Peak Information

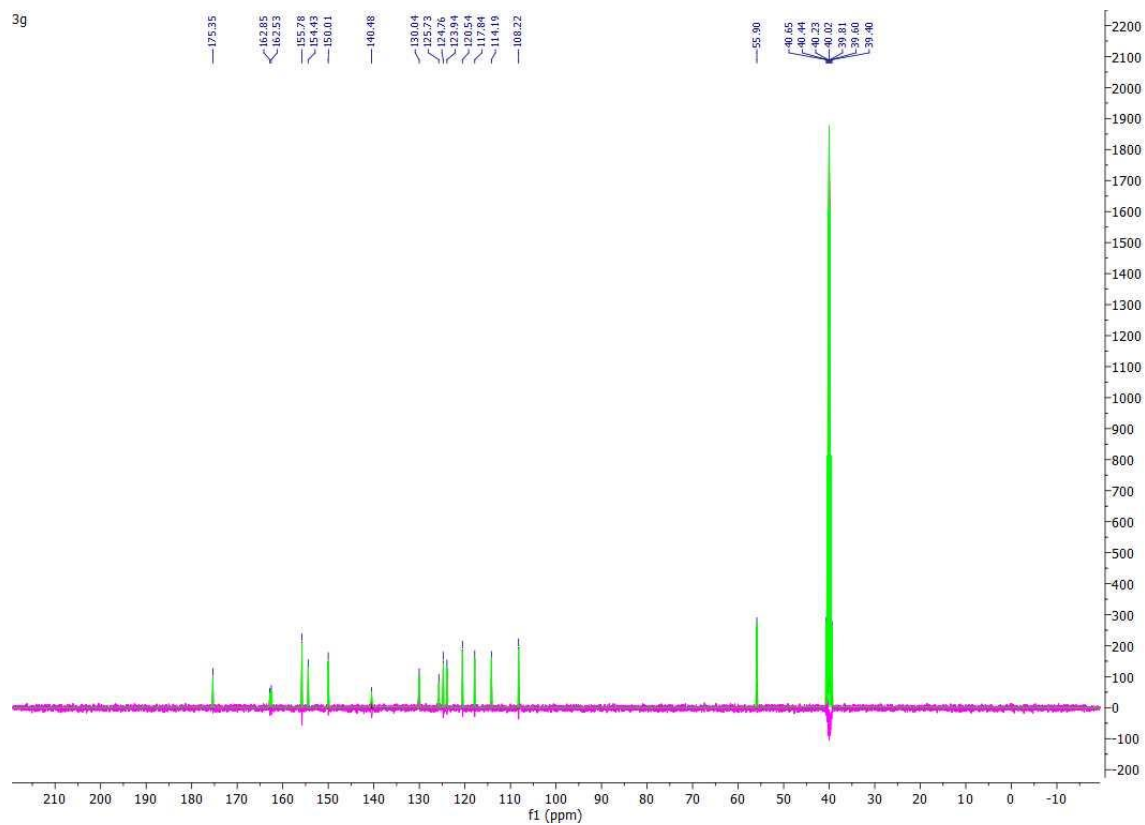
Peak No	% Area	Area	Ret. Time	Height	Cap. Factor
1	0.206	14806.4825	3.48 min	1.2387	3482.3333
2	99.794	711710.8168	4.27 min	446.7946	4265.6667

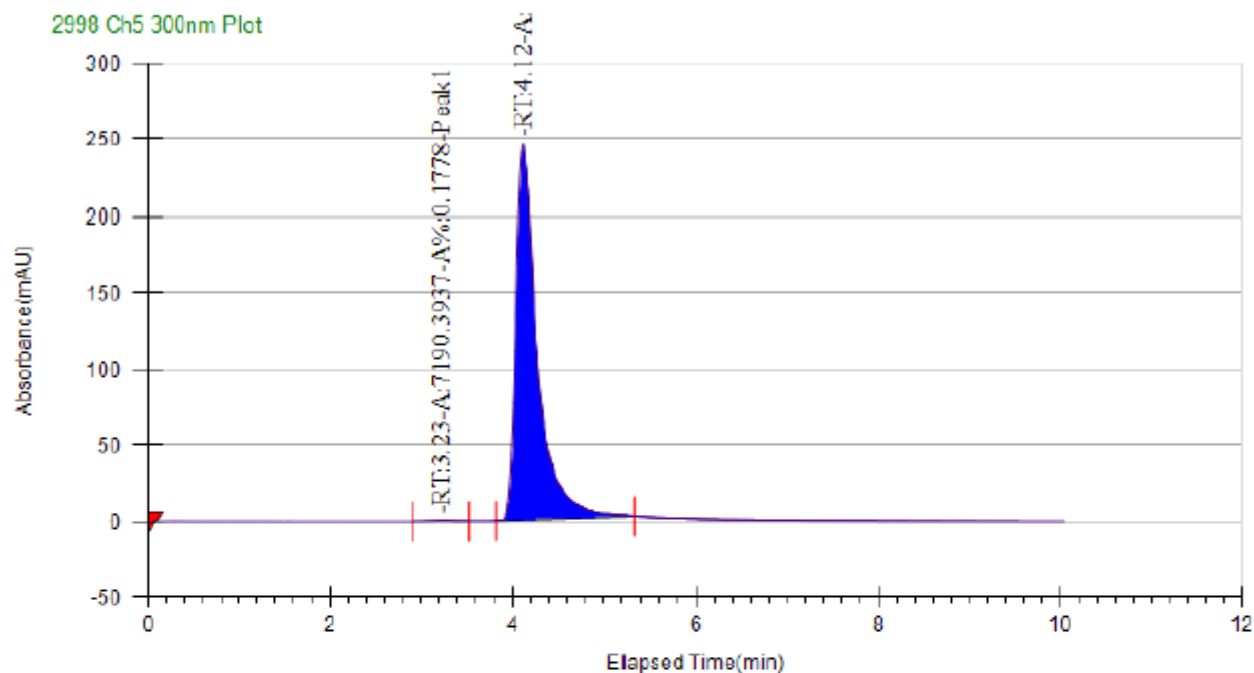
HPLC Chromatogram of Compound 3f

3g

 $^1\text{H NMR}$ of 3g in DMSO-d_6

3g

 $^{13}\text{C NMR}$ of 3g in DMSO-d_6



General Information

Log Author	Log Date	Report By	Report Date	Notes
Waters	1/28/2026 1:47:01 PM	Default User	1/28/2026	

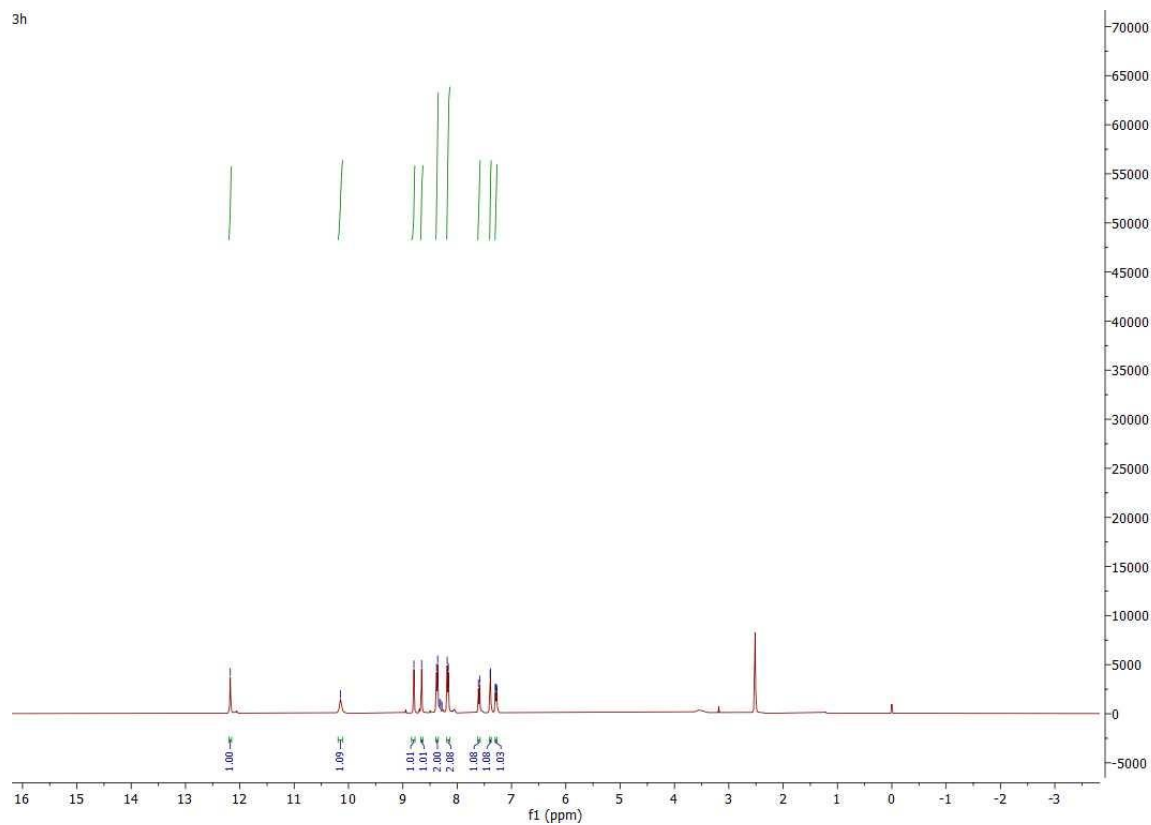
Run Information

Instrument Method	Inj. Vol. (uL)	Sample	Well Location	Flow (ml/min)	Pressure
Halil Şenol - MGM	100	WH-7	1:B,3	5.00	110 Bar

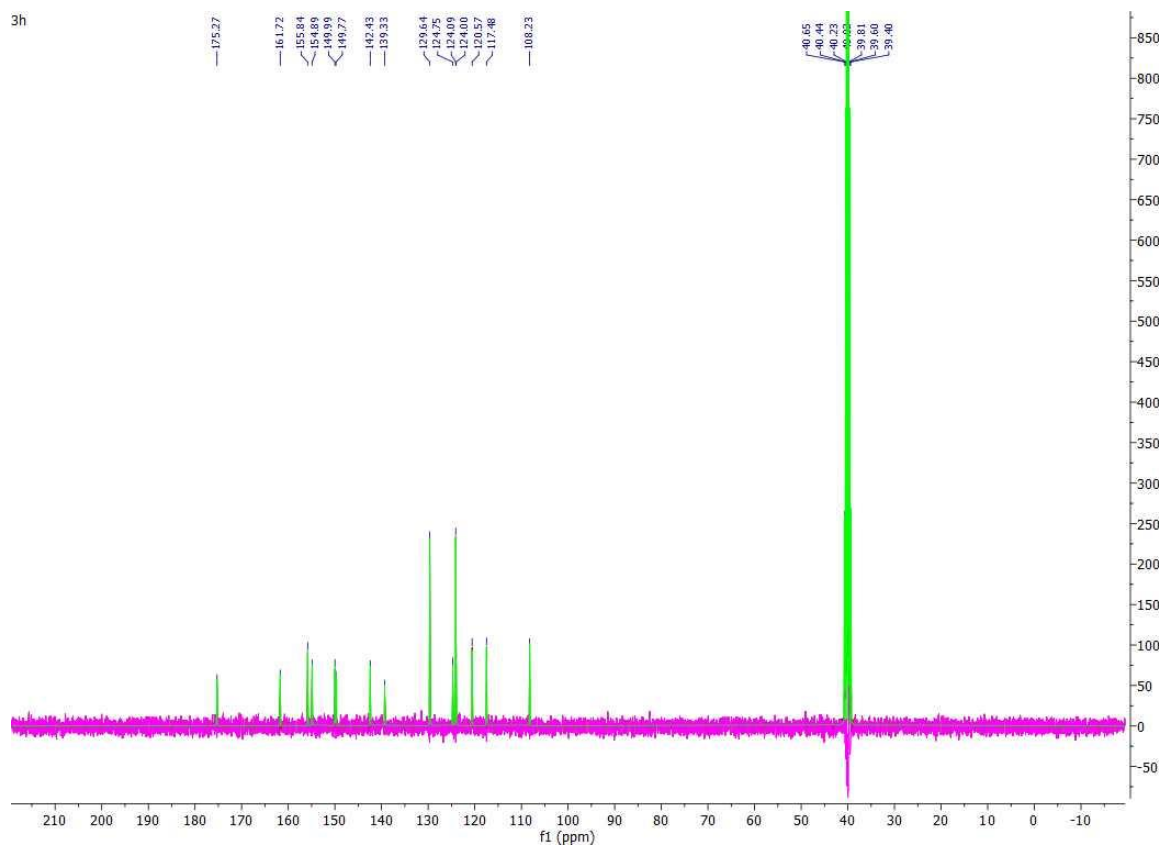
Peak Information

Peak No	% Area	Area	Ret. Time	Height	Cap. Factor
1	0.1778	7190.3937	3.23 min	0.4275	3232.3333
2	99.8222	4038005.2579	4.12 min	245.9984	4115.6667

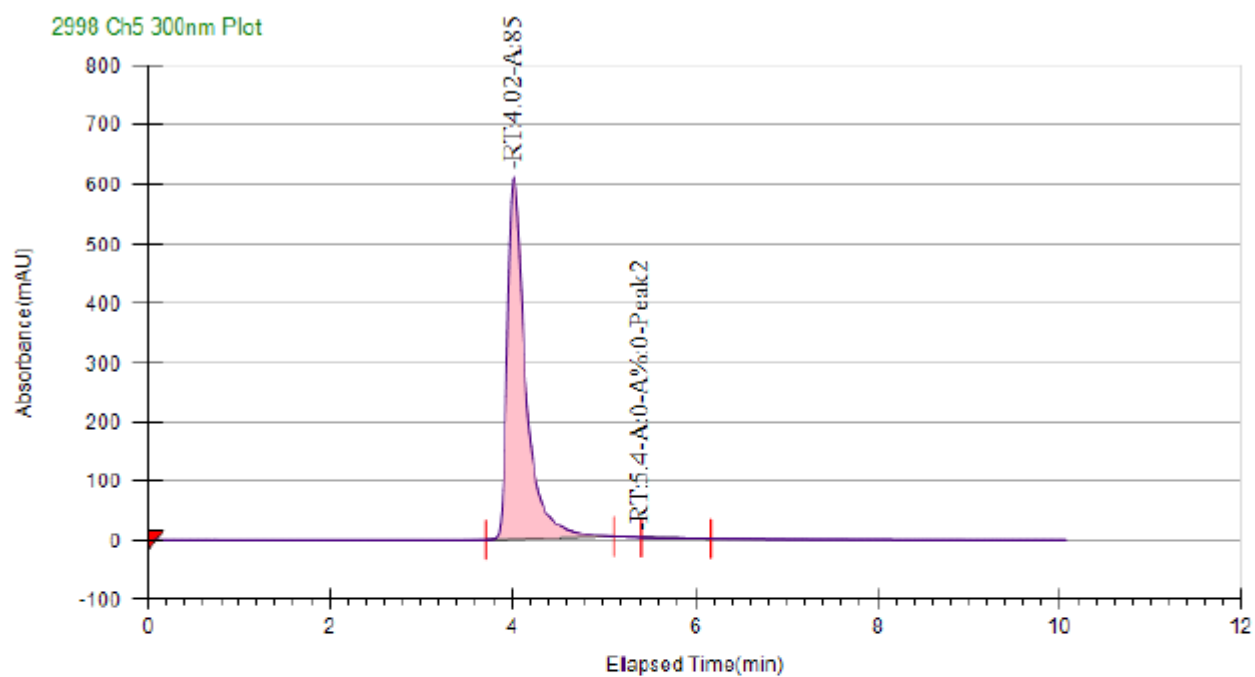
HPLC Chromatogram of Compound 3g



^1H NMR of 3h in $\text{DMSO}^{\text{d}6}$



^{13}C NMR of 3h in $\text{DMSO}^{\text{d}6}$



General Information

Log Author	Log Date	Report By	Report Date	Notes
Waters	1/28/2026 3:22:31 PM	Default User	1/28/2026	

Run Information

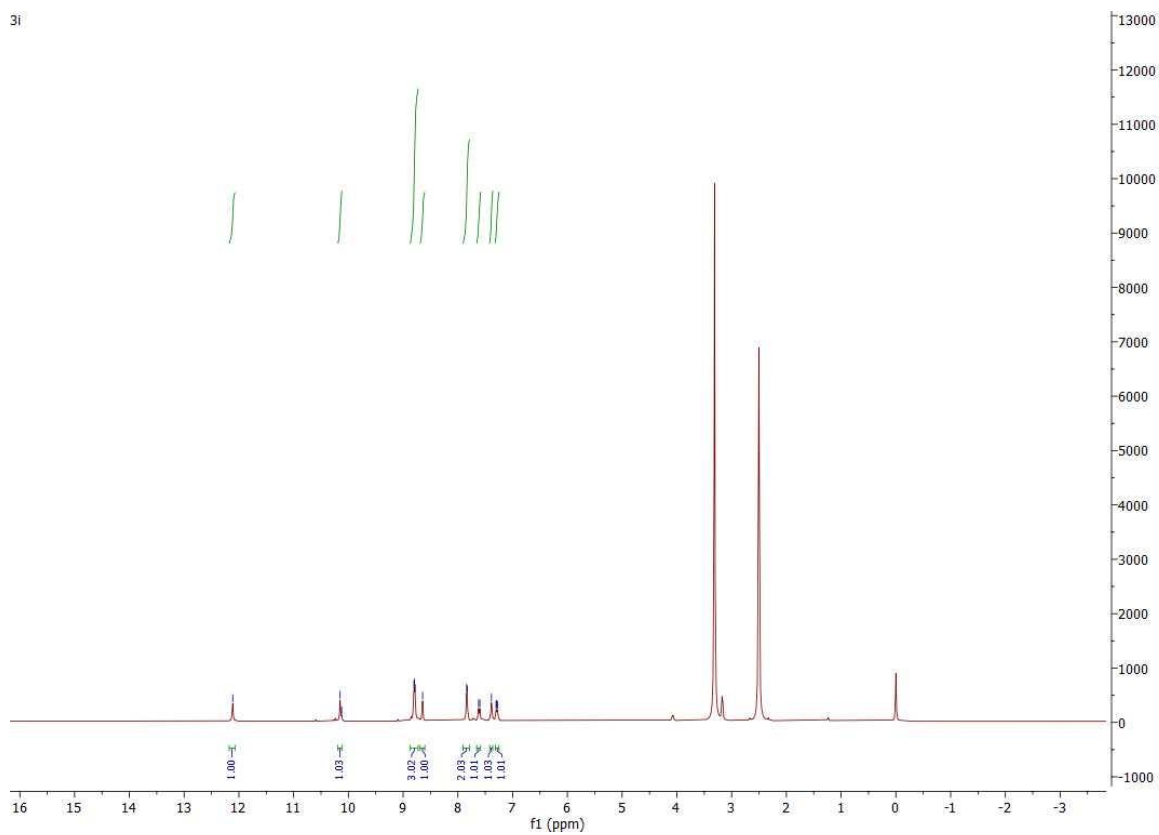
Instrument Method	Inj. Vol. (uL)	Sample	Well Location	Flow (ml/min)	Pressure
Halil Şenol - MGM	100	WH-18	2:A,4	5.00	150 Bar

Peak Information

Peak No	% Area	Area	Ret. Time	Height	Cap. Factor
1	100	8535009.9 567	4.02 min	610.5089	0
2	0	0	5.4 min	0	0

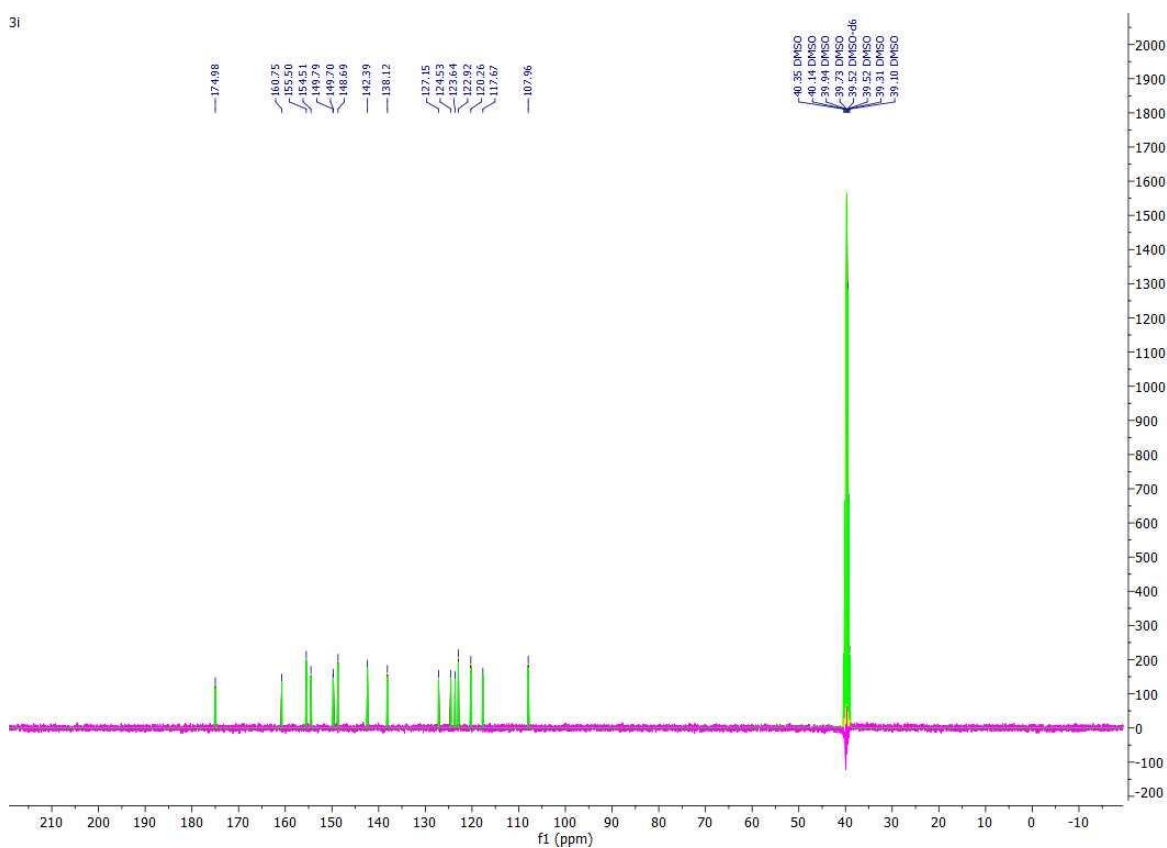
HPLC Chromatogram of Compound 3h

3i

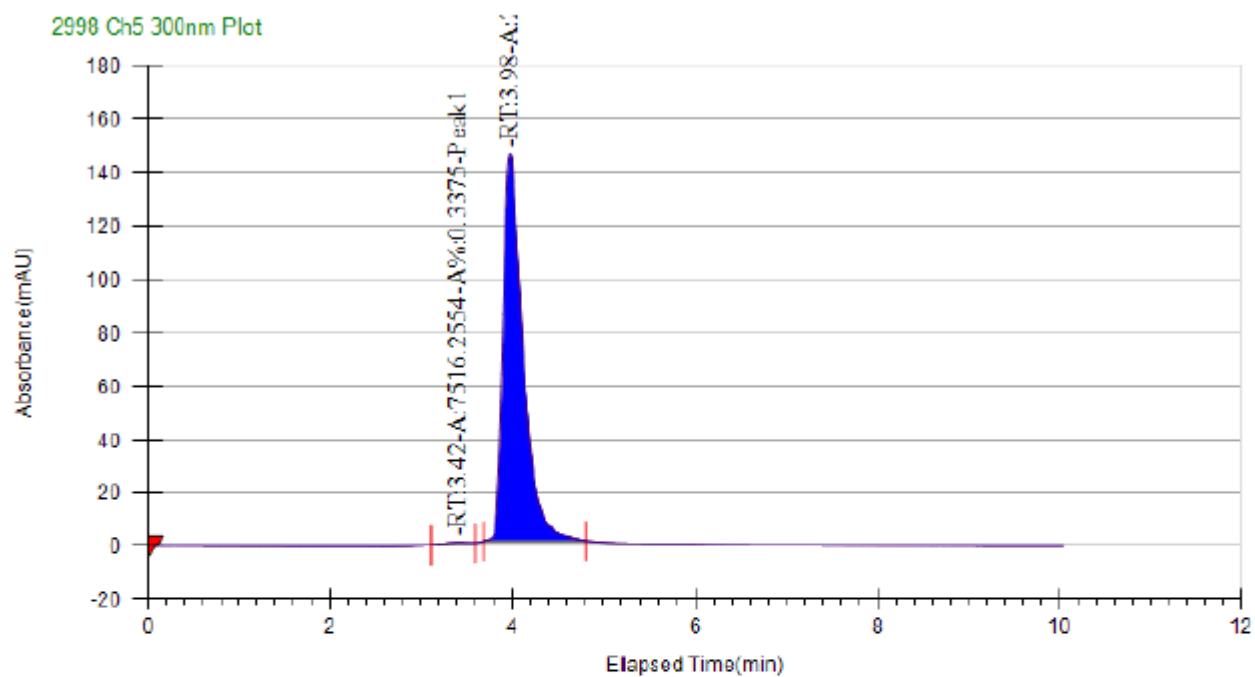


$^1\text{H NMR}$ of 3i in DMSO-d_6

3i



$^{13}\text{C NMR}$ of 3i in DMSO-d_6



General Information

Log Author	Log Date	Report By	Report Date	Notes
Waters	1/28/2026 1:57:39 PM	Default User	1/28/2026	

Run Information

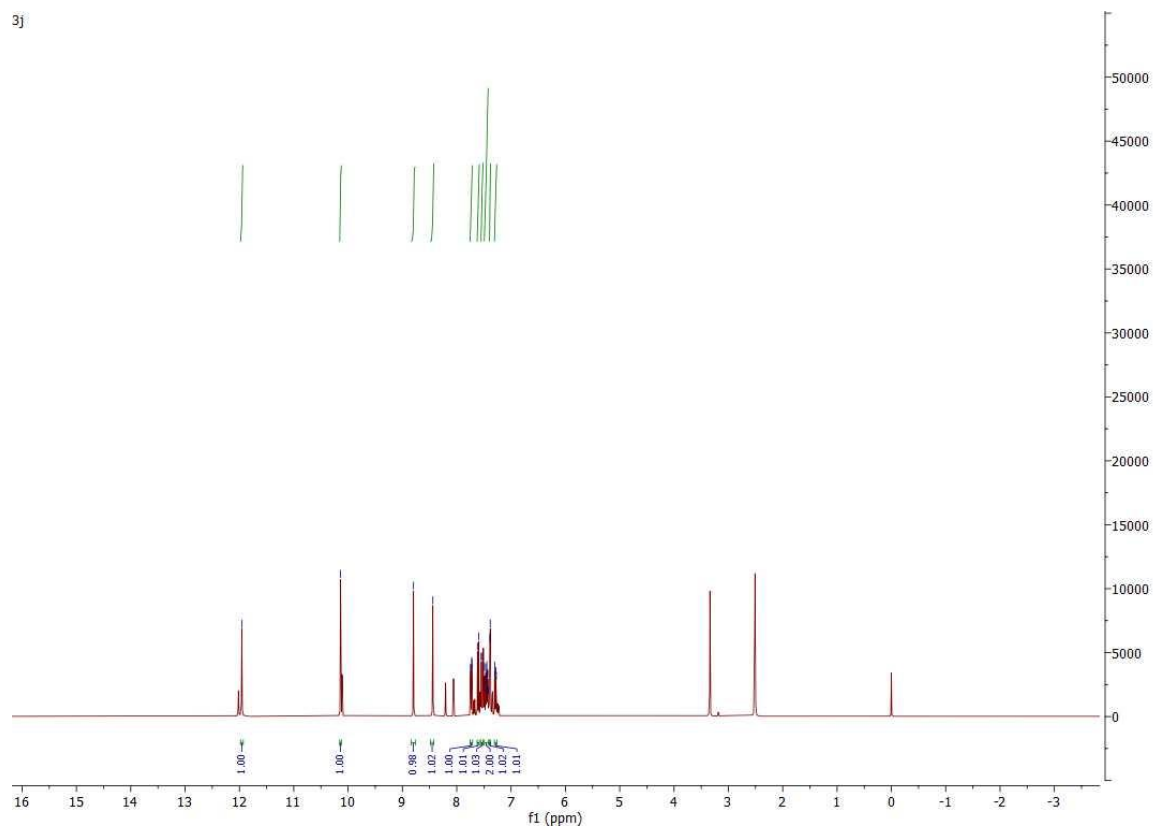
Instrument Method	Inj. Vol. (uL)	Sample	Well Location	Flow (ml/min)	Pressure
Halil Şenol - MGM	100	WH-9	1:B,4	5.00	157 Bar

Peak Information

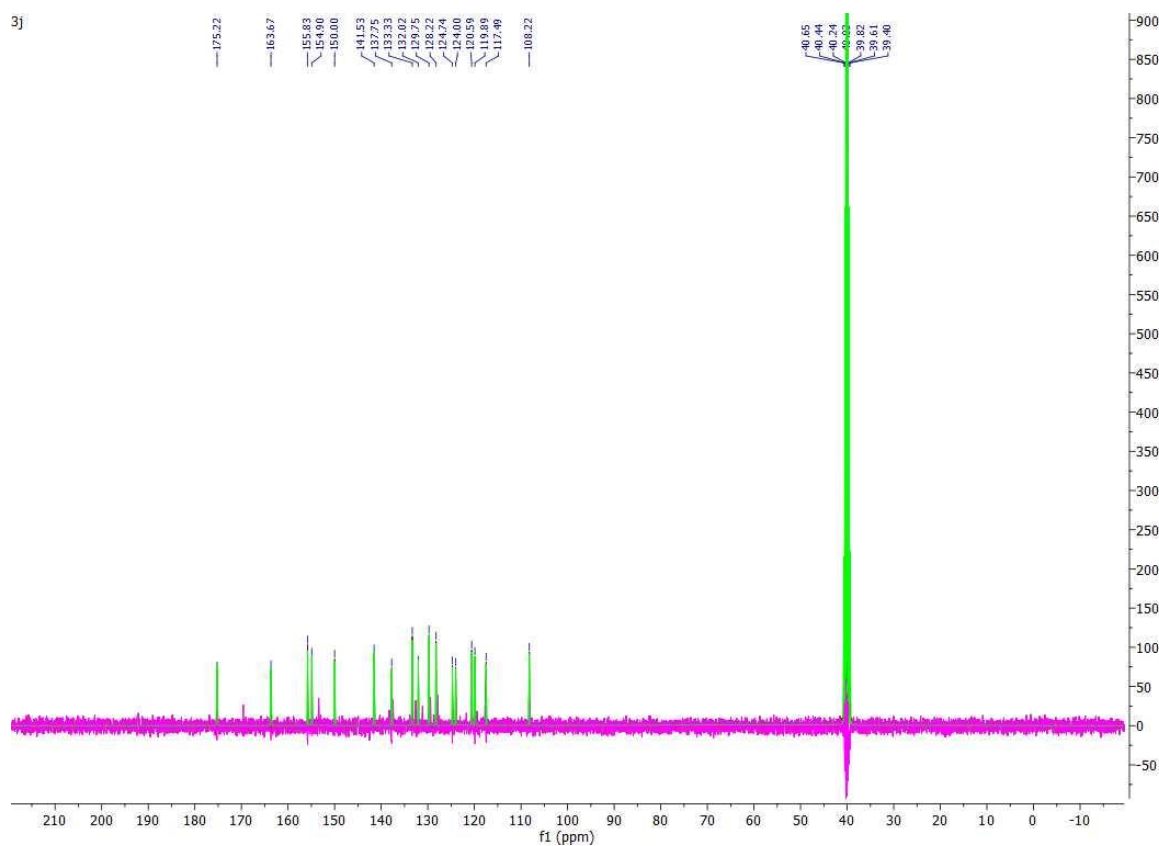
Peak No	% Area	Area	Ret. Time	Height	Cap. Factor
1	0.3375	7516.2554	3.42 min	0.4201	0
2	99.6625	2219291.5128	3.98 min	145.0268	0

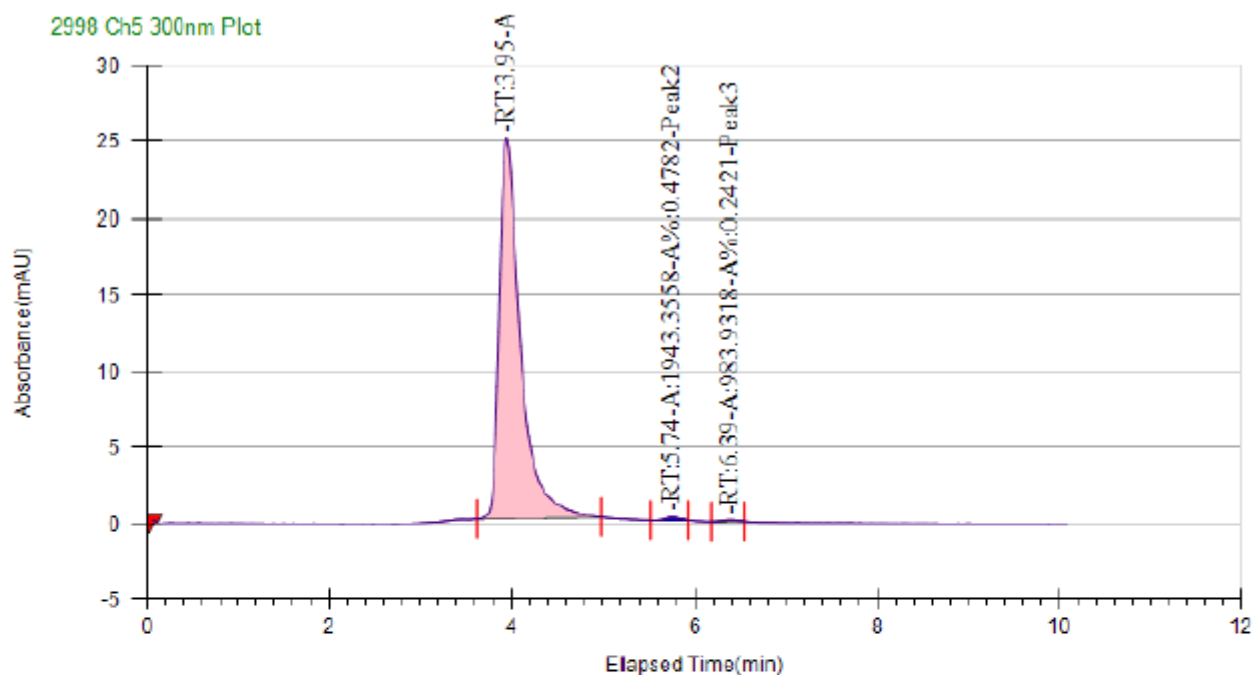
HPLC Chromatogram of Compound 3i

3j

 ^1H NMR of 3j in $\text{DMSO}^{\text{d}6}$

3j

 ^{13}C NMR of 3j in $\text{DMSO}^{\text{d}6}$



General Information

Log Author	Log Date	Report By	Report Date	Notes
Waters	1/28/2026 2:08:15 PM	Default User	1/28/2026	

Run Information

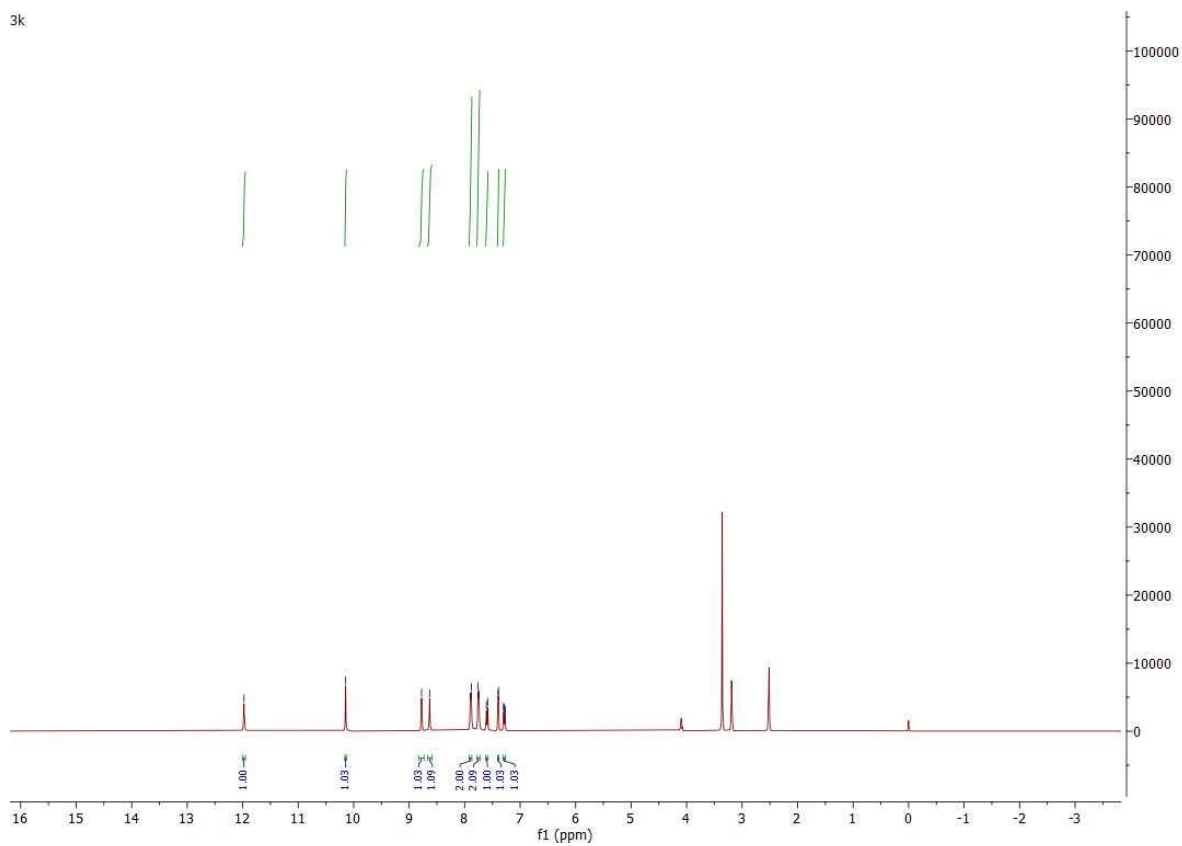
Instrument Method	Inj. Vol. (uL)	Sample	Well Location	Flow (ml/min)	Pressure
Halil Şenol - MGM	100	WH-10	1:C,1	5.00	149 Bar

Peak Information

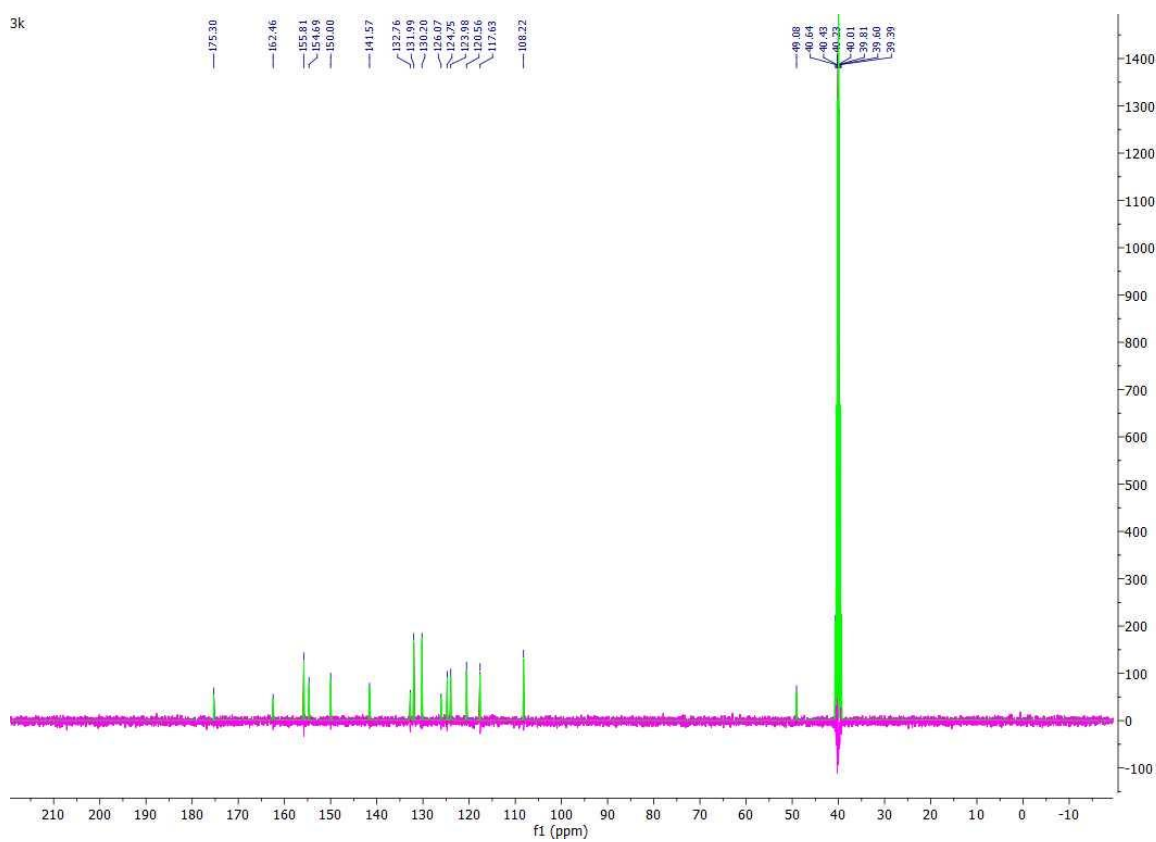
Peak No	% Area	Area	Ret. Time	Height	Cap. Factor
1	99.2798	403439.2861	3.95 min	24.8708	0
2	0.4782	1943.3558	5.74 min	0.1694	0
3	0.2421	983.9318	6.39 min	0.0945	0

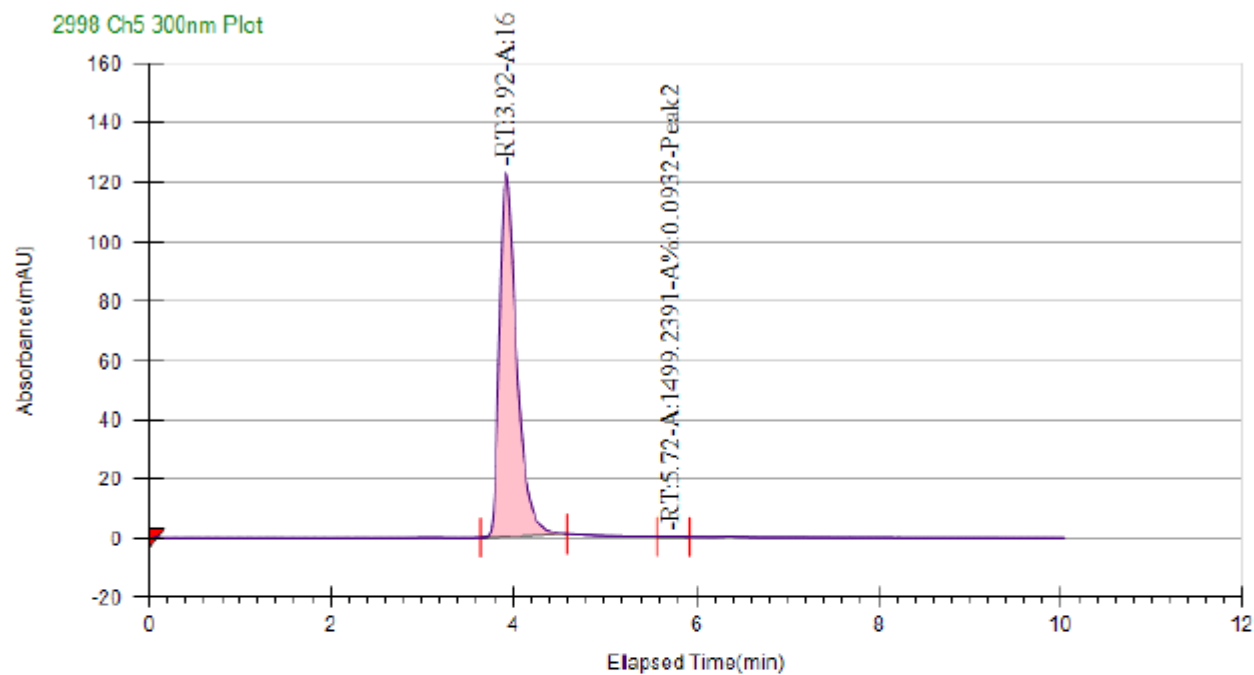
HPLC Chromatogram of Compound 3j

3k

 $^1\text{H NMR}$ of 3k in DMSO-d_6

3k

 $^{13}\text{C NMR}$ of 3k in DMSO-d_6



General Information

Log Author	Log Date	Report By	Report Date	Notes
Waters	1/28/2026 2:18:51 PM	Default User	1/28/2026	

Run Information

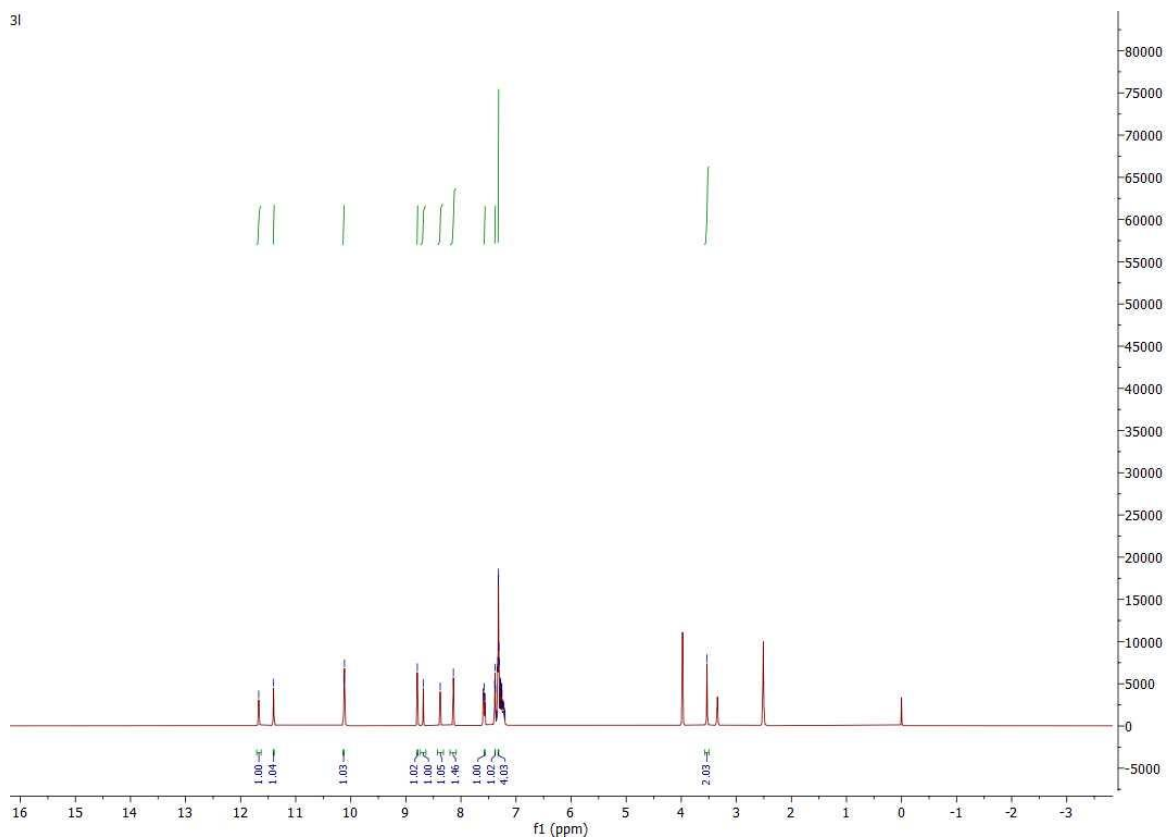
Instrument Method	Inj. Vol. (uL)	Sample	Well Location	Flow (ml/min)	Pressure
Halil Şenol - MGM	100	WH-11	1:C,2	5.00	137 Bar

Peak Information

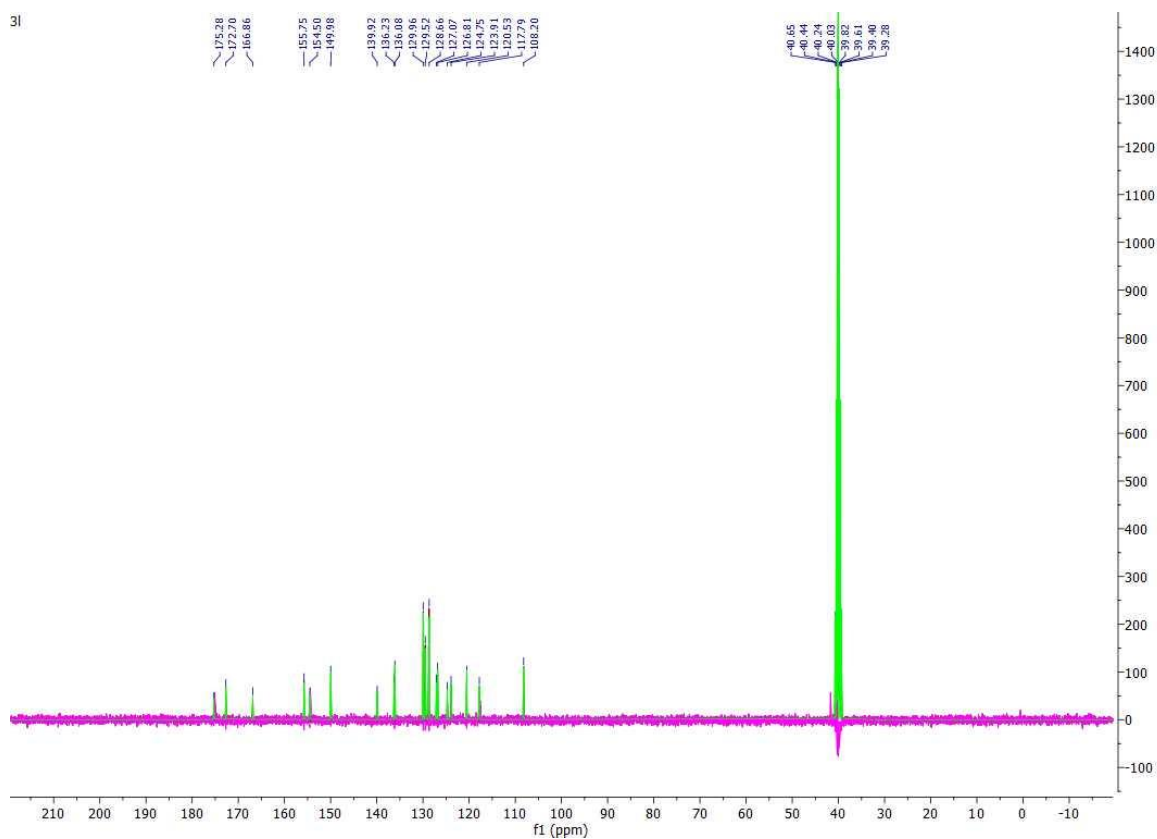
Peak No	% Area	Area	Ret. Time	Height	Cap. Factor
1	99.9088	1606768.5526	3.92 min	122.7193	0
2	0.0932	1499.2391	5.72 min	0.1323	0

HPLC Chromatogram of Compound 3k

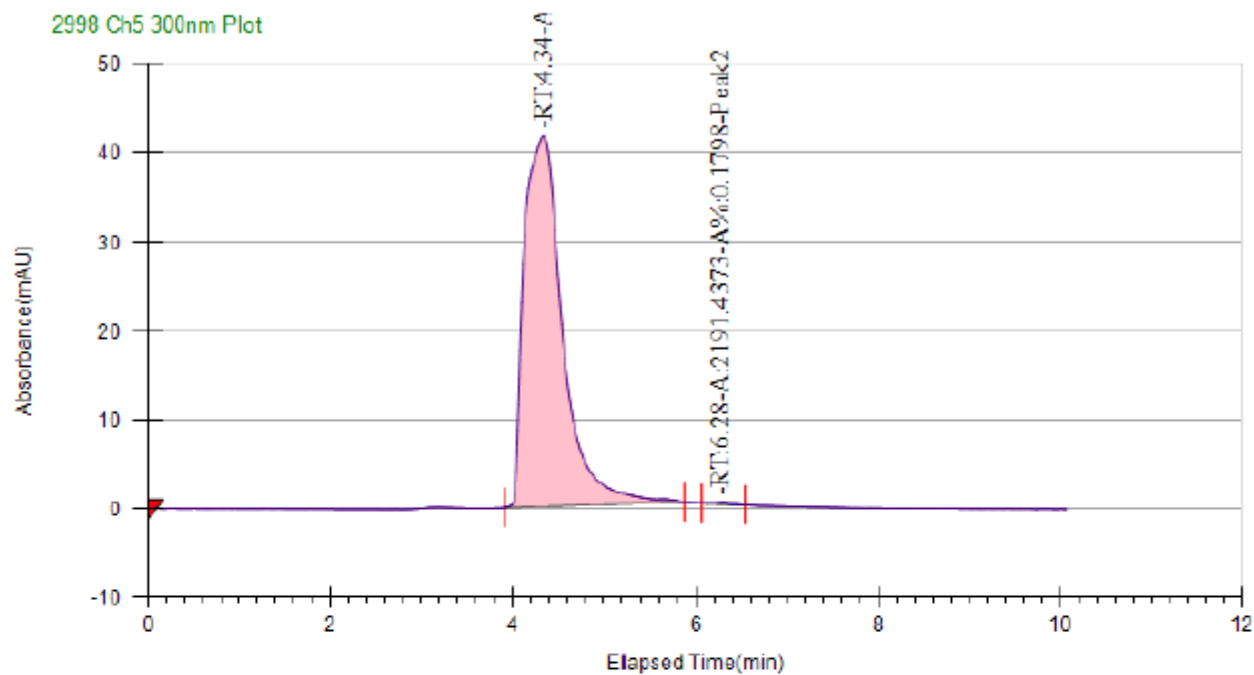
3l



^1H NMR of 3l in $\text{DMSO}-d_6$



^{13}C NMR of 3l in $\text{DMSO}-d_6$



General Information

Log Author	Log Date	Report By	Report Date	Notes
Waters	1/28/2026 2:29:28 PM	Default User	1/28/2026	

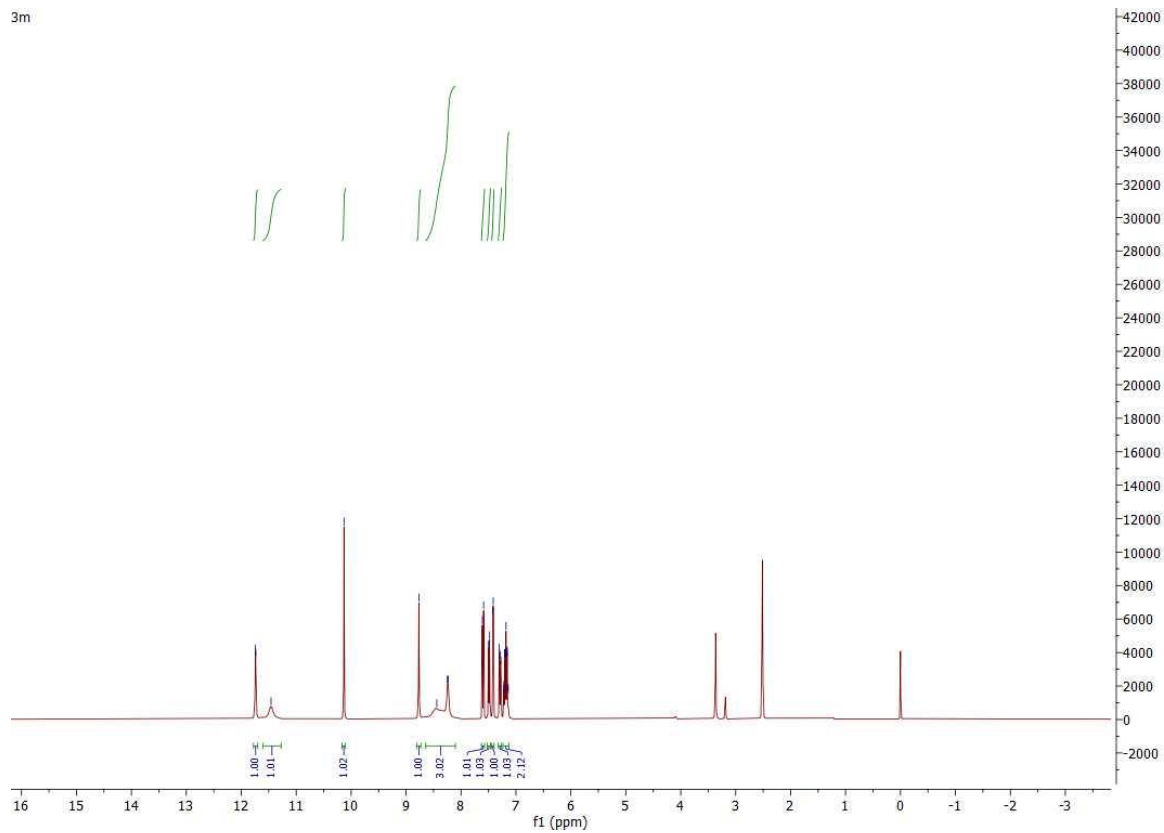
Run Information

Instrument Method	Inj. Vol. (uL)	Sample	Well Location	Flow (ml/min)	Pressure
Halil Şenol - MGM	100	WH-12	1:C,3	5.00	143 Bar

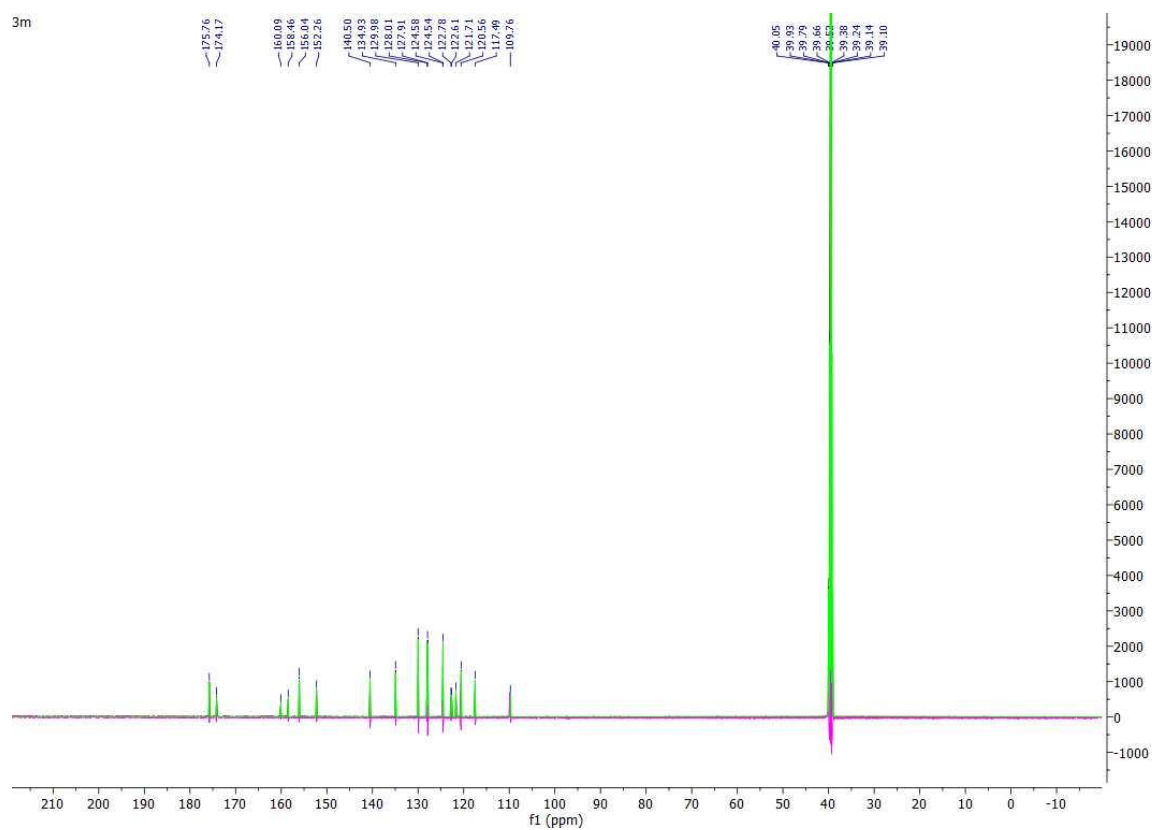
Peak Information

Peak No	% Area	Area	Ret. Time	Height	Cap. Factor
1	99.8202	1216801.8761	4.34 min	41.5407	0
2	0.1798	2191.4373	6.28 min	0.1683	0

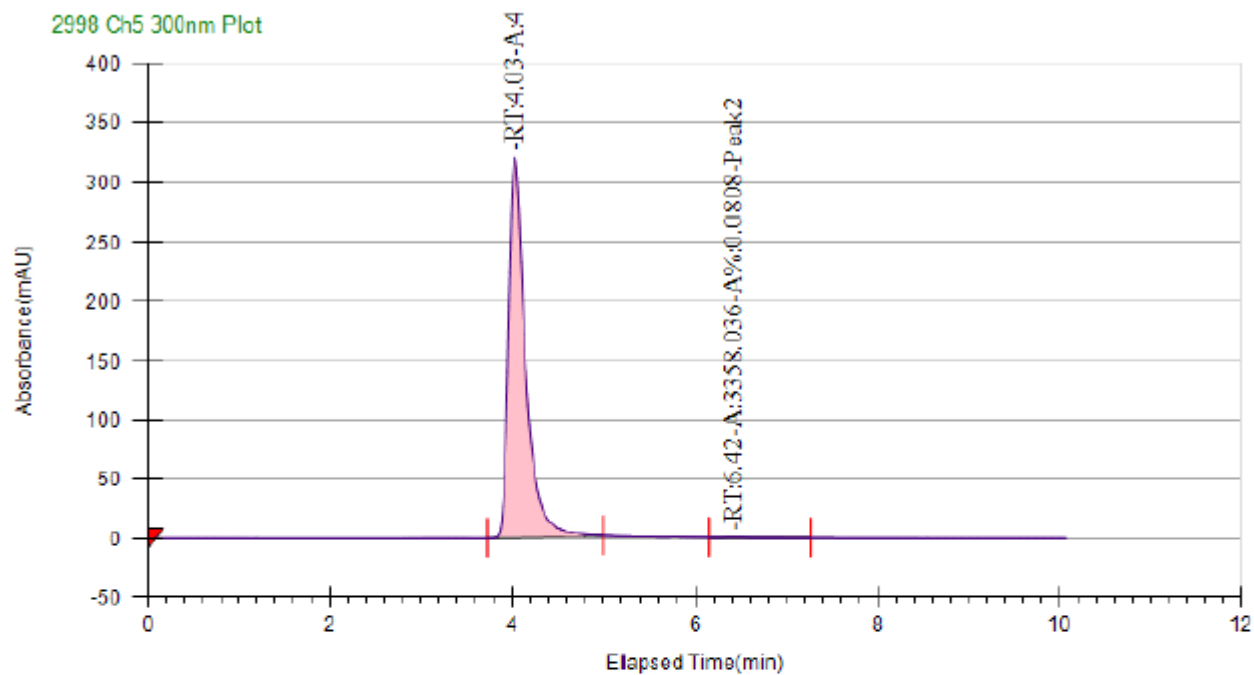
HPLC Chromatogram of Compound 31



^1H NMR of 3m in DMSO-d_6



^{13}C NMR of 3m in DMSO-d_6



General Information

Log Author	Log Date	Report By	Report Date	Notes
Waters	1/28/2026 2:40:05 PM	Default User	1/28/2026	

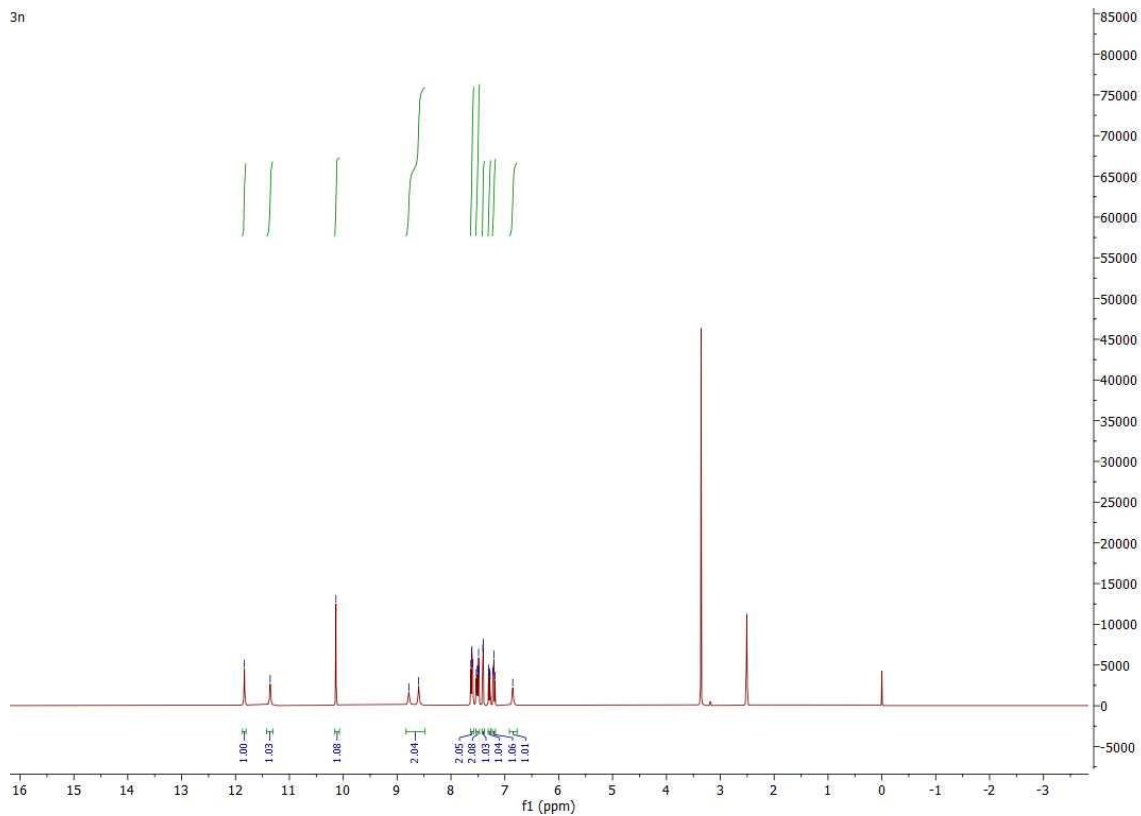
Run Information

Instrument Method	Inj. Vol. (uL)	Sample	Well Location	Flow (ml/min)	Pressure
Halil Şenol - MGM	100	WH-13	1:C,4	5.00	134 Bar

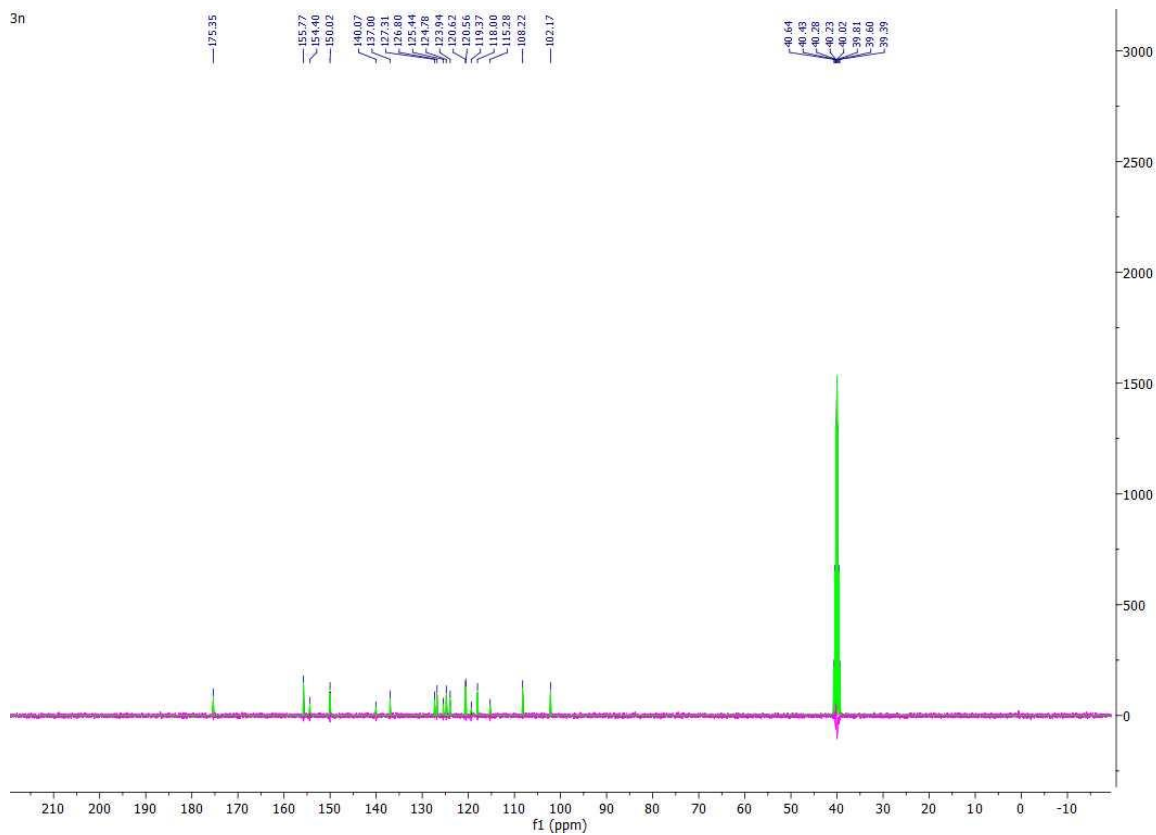
Peak Information

Peak No	% Area	Area	Ret. Time	Height	Cap. Factor
1	99.9182	4154984.8482	4.03 min	319.7589	0
2	0.0808	3358.036	6.42 min	0.2575	0

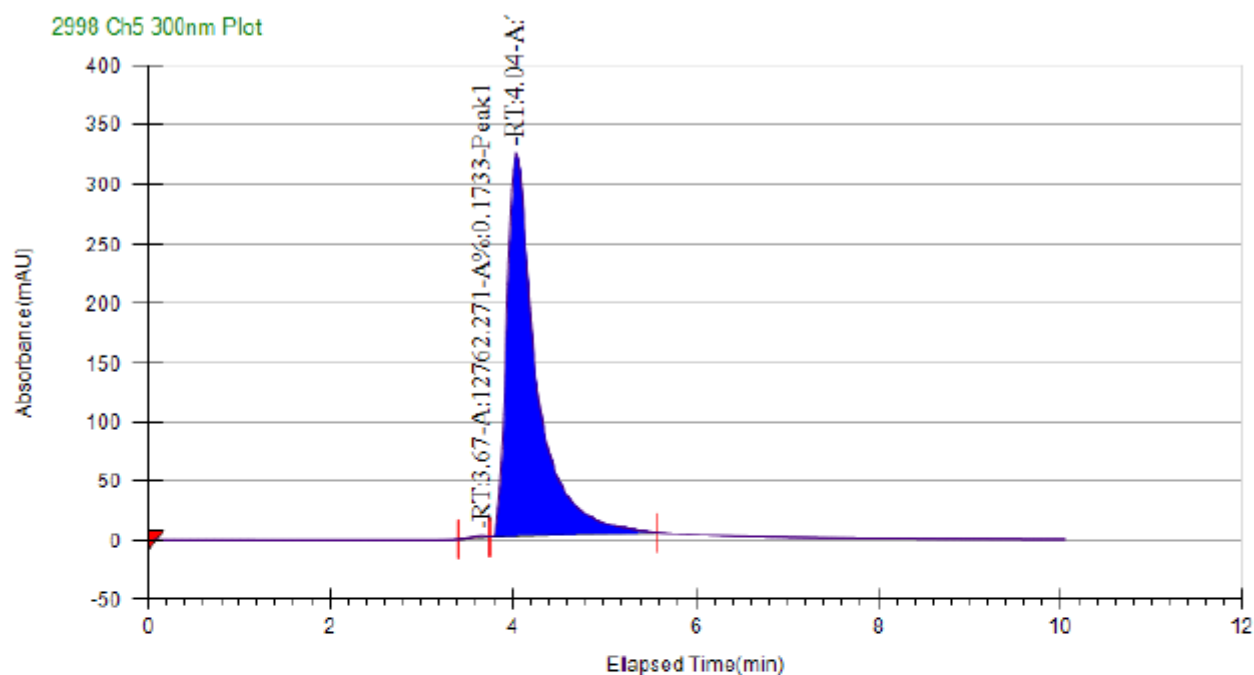
HPLC Chromatogram of Compound 3m



^1H NMR of 3n in DMSO-d_6



^{13}C NMR of 3n in DMSO-d_6



General Information

Log Author	Log Date	Report By	Report Date	Notes
Waters	1/28/2026 2:50:42 PM	Default User	1/28/2026	

Run Information

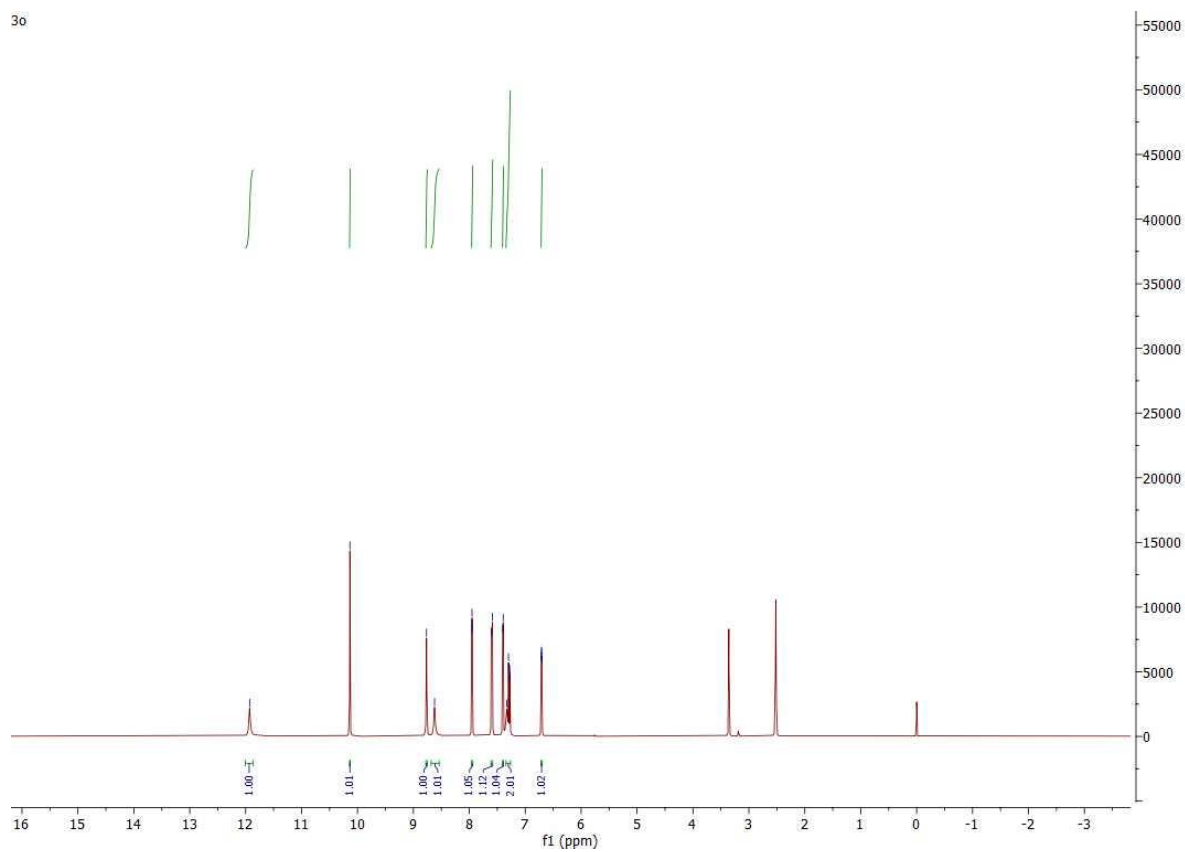
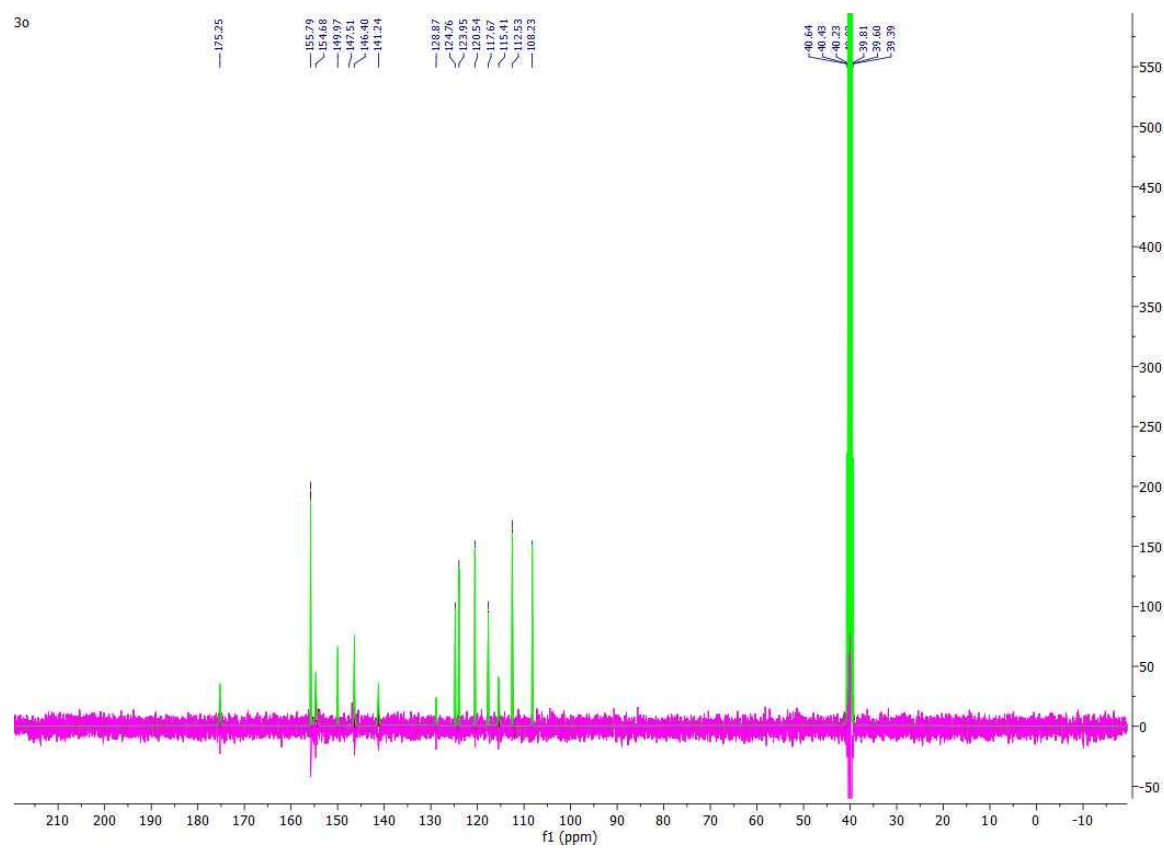
Instrument Method	Inj. Vol. (uL)	Sample	Well Location	Flow (ml/min)	Pressure
Halil Şenol - MGM	100	WH-14	2:A,1	5.00	143 Bar

Peak Information

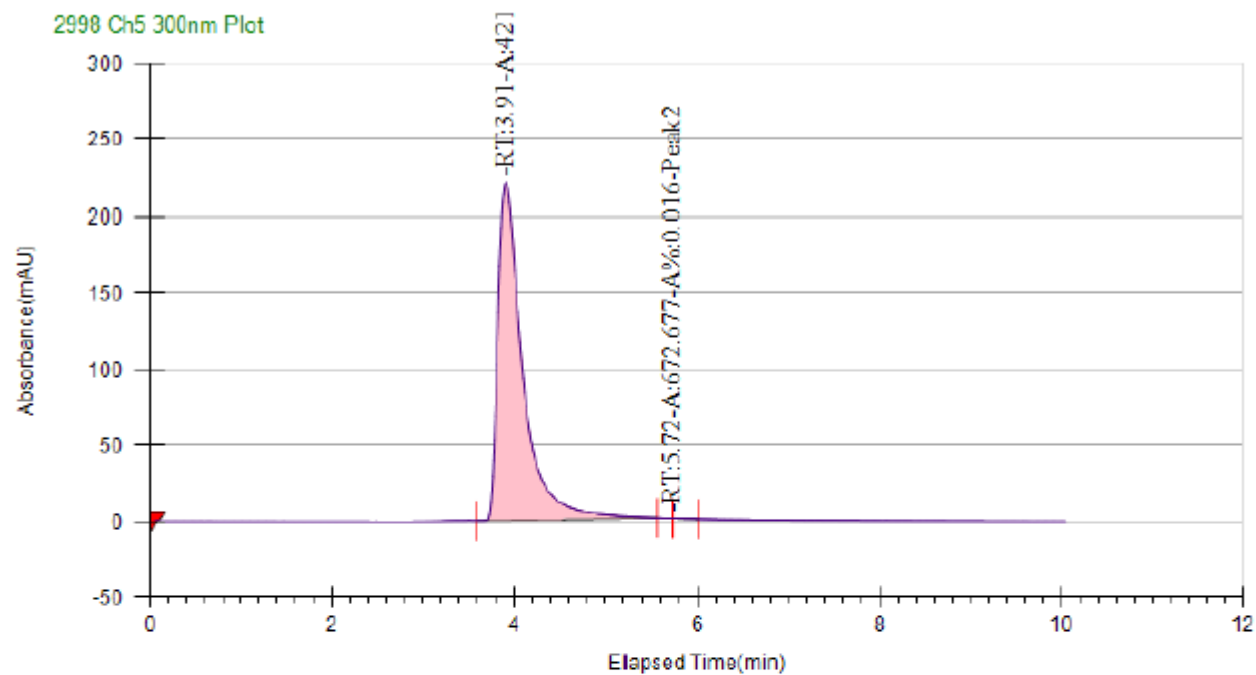
Peak No	% Area	Area	Ret. Time	Height	Cap. Factor
1	0.1733	12762.271	3.67 min	1.2036	0
2	99.8267	7349491.459	4.04 min	323.0064	0

HPLC Chromatogram of Compound 3n

3o

 ^1H NMR of 3o in $\text{DMSO}-d_6$  ^{13}C NMR of 3o in $\text{DMSO}-d_6$

30



General Information

Log Author	Log Date	Report By	Report Date	Notes
Waters	1/28/2026 3:01:18 PM	Default User	1/28/2026	

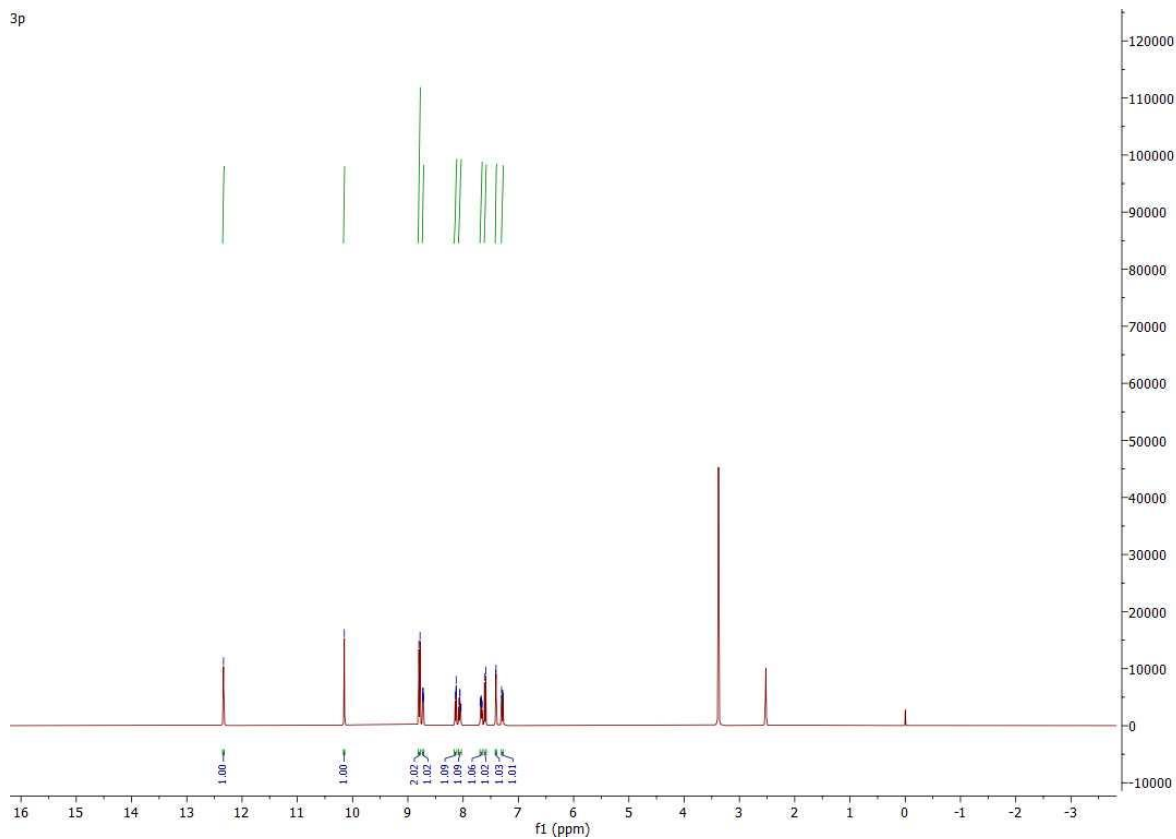
Run Information

Instrument Method	Inj. Vol. (uL)	Sample	Well Location	Flow (ml/min)	Pressure
Halil Şenol - MGM	100	WH-15	2:A,2	5.00	133 Bar

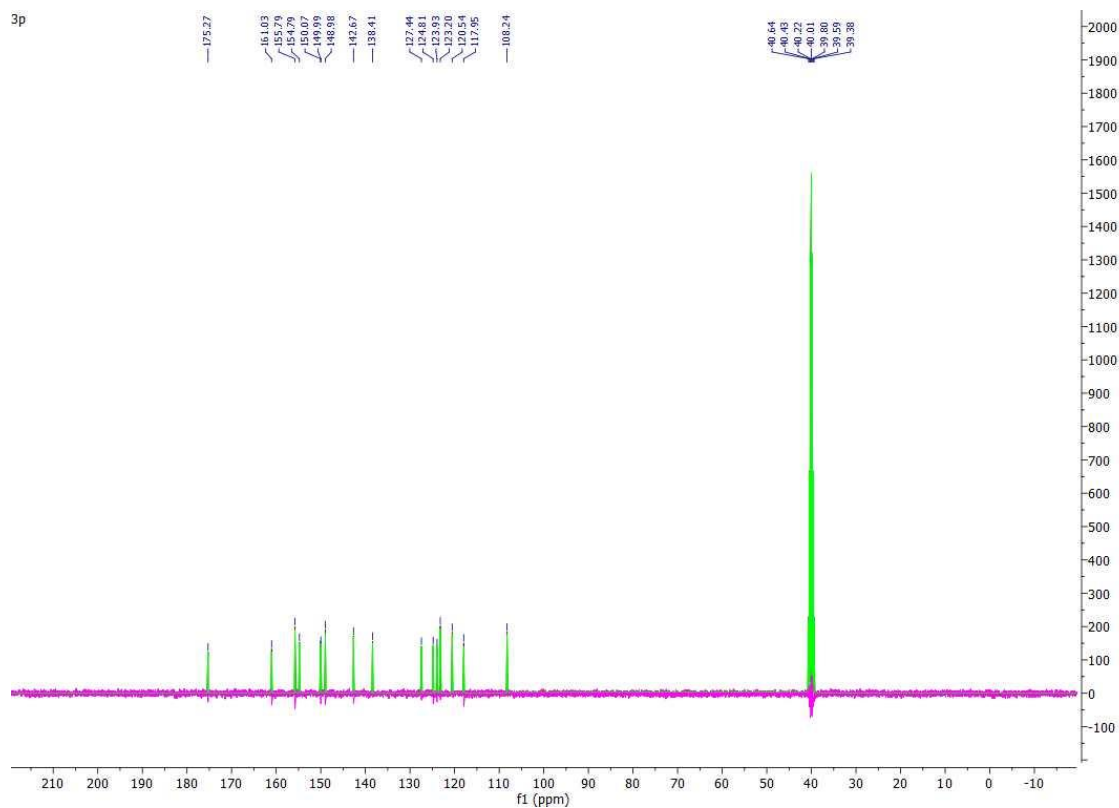
Peak Information

Peak No	% Area	Area	Ret. Time	Height	Cap. Factor
1	99.984	4210274.9111	3.91 min	221.1416	0
2	0.016	672.677	5.72 min	0.0031	0

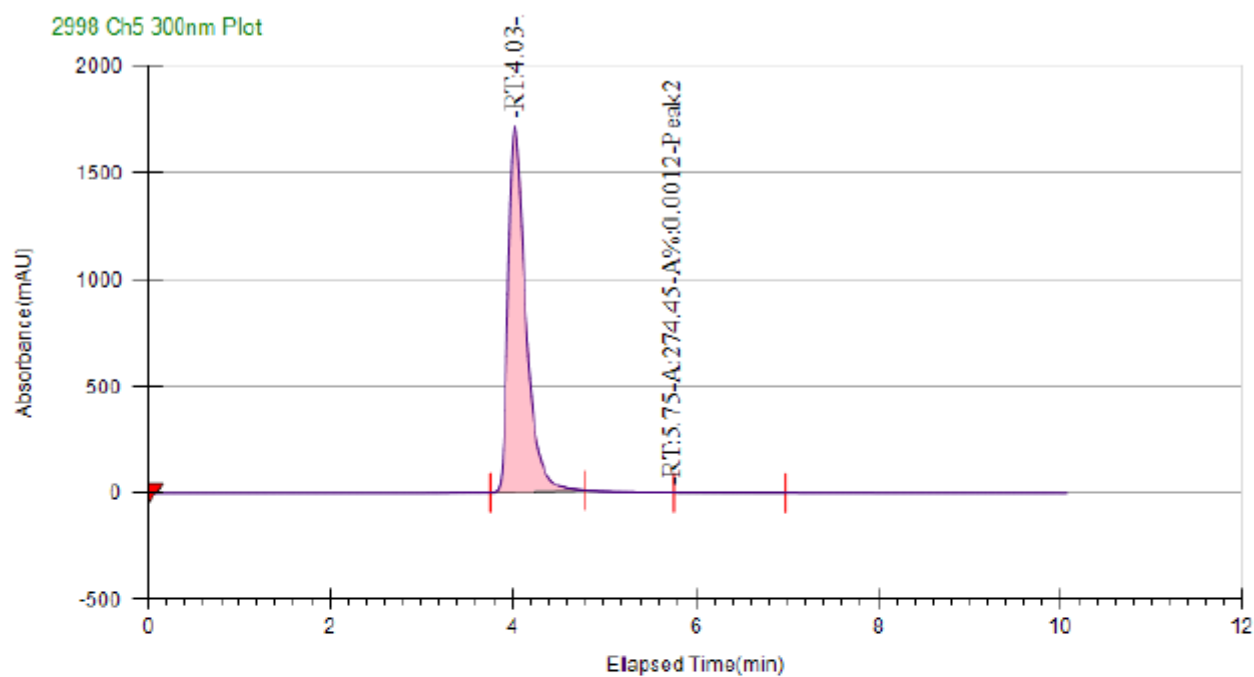
HPLC Chromatogram of Compound 3o



^1H NMR of 3p in DMSO-d_6



^{13}C NMR of 3p in DMSO-d_6



General Information

Log Author	Log Date	Report By	Report Date	Notes
Waters	1/28/2026 3:11:55 PM	Default User	1/28/2026	

Run Information

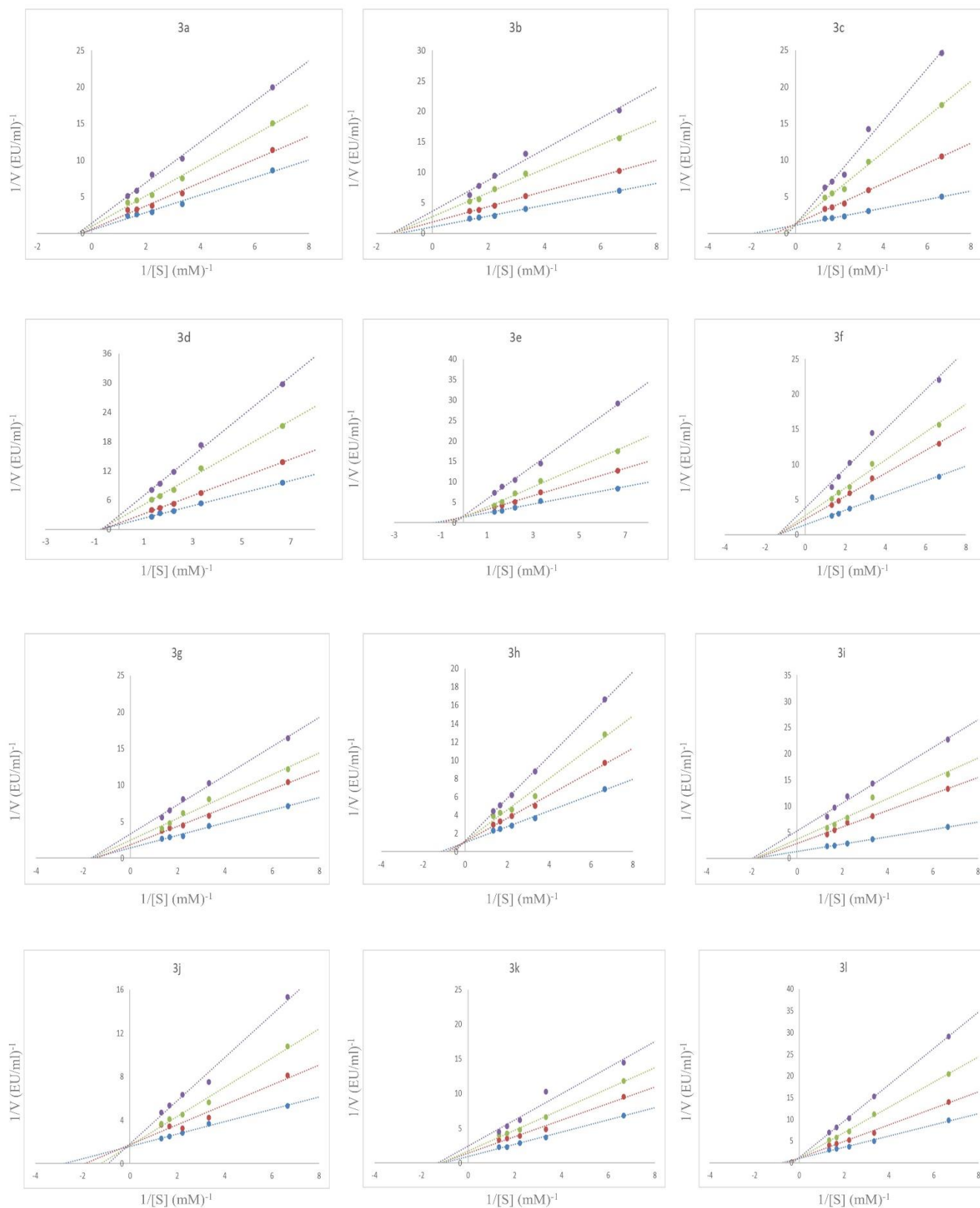
Instrument Method	Inj. Vol. (uL)	Sample	Well Location	Flow (ml/min)	Pressure
Halil Şenol - MGM	100	WH-16	2:A,3	5.00	136 Bar

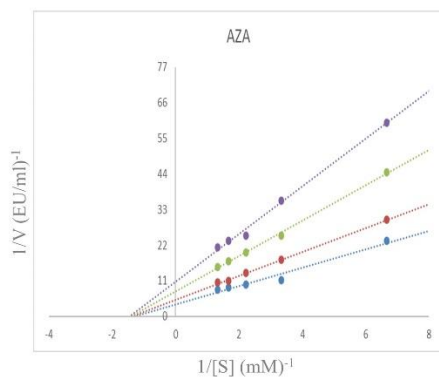
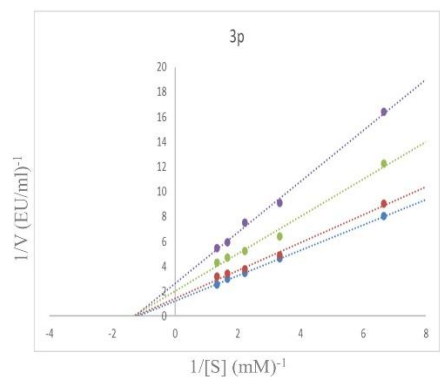
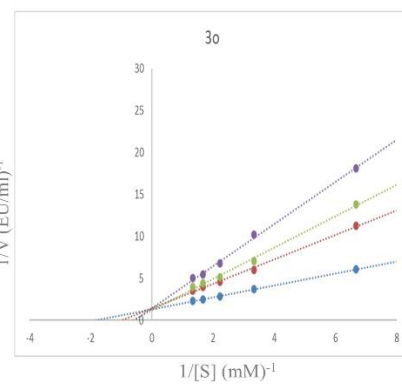
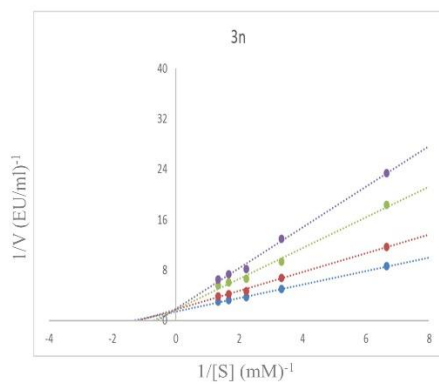
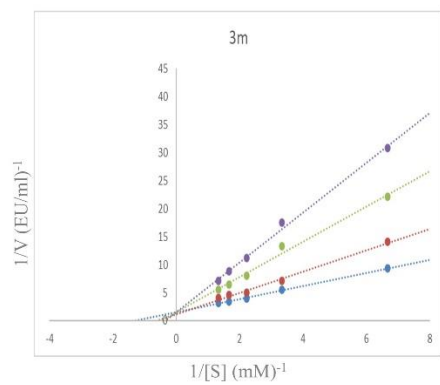
Peak Information

Peak No	% Area	Area	Ret. Time	Height	Cap. Factor
1	99.9988	22792024.3961	4.03 min	1711.0077	0
2	0.0012	274.45	5.75 min	0.0247	0

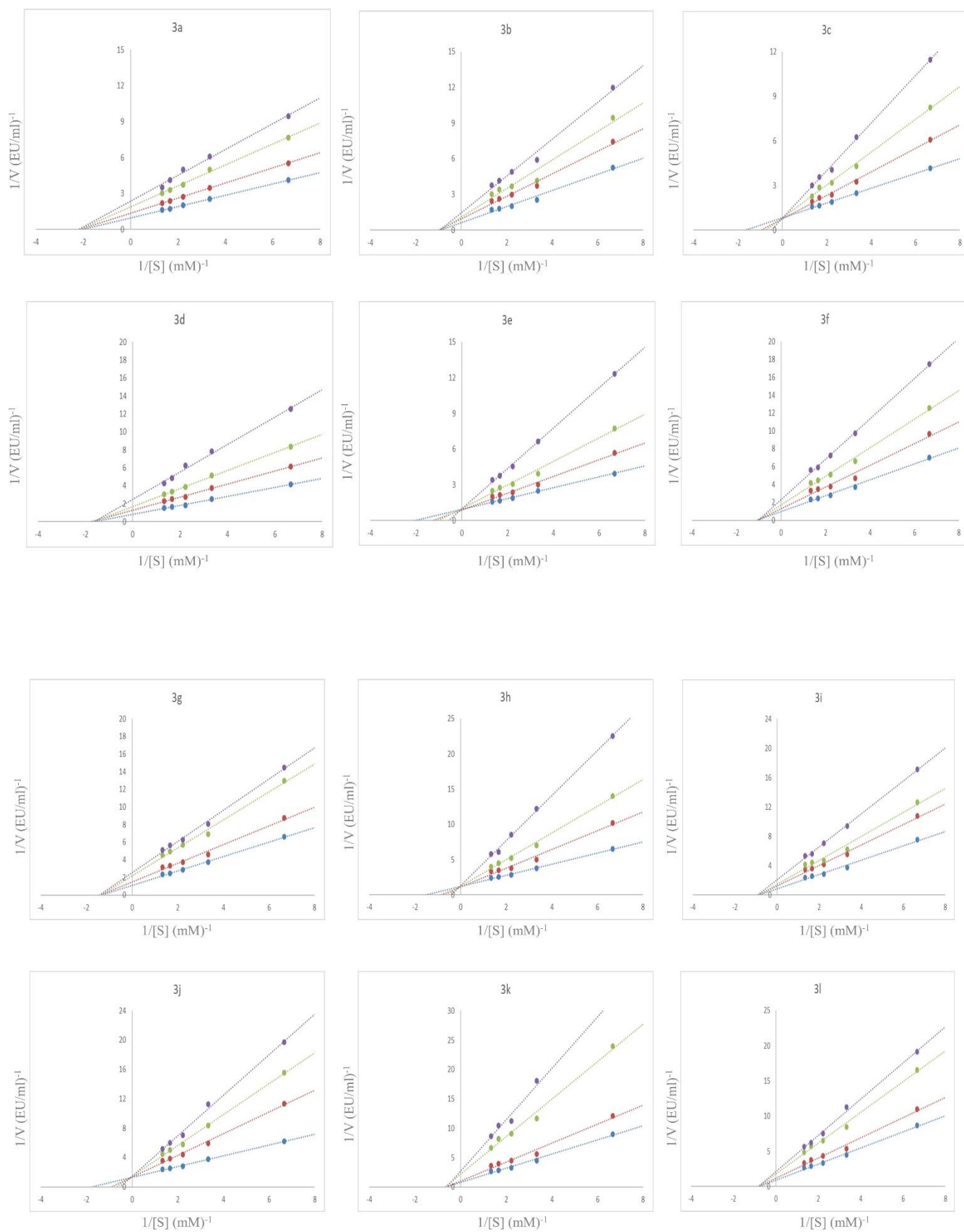
HPLC Chromatogram of Compound 3p

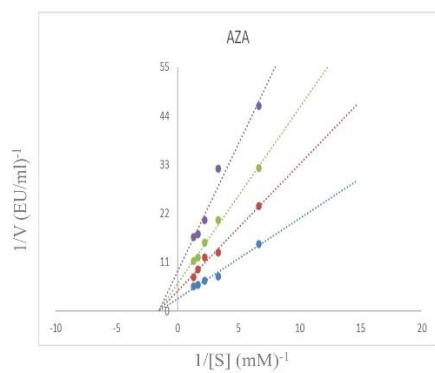
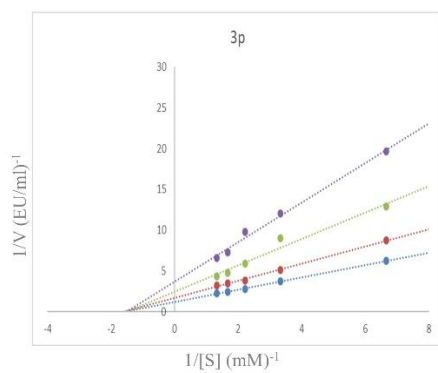
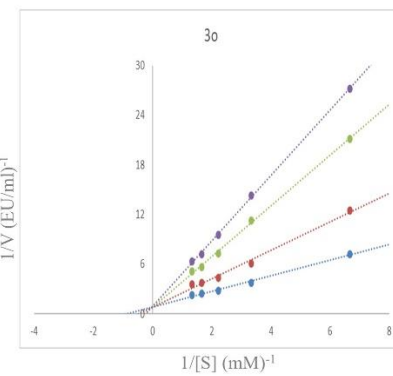
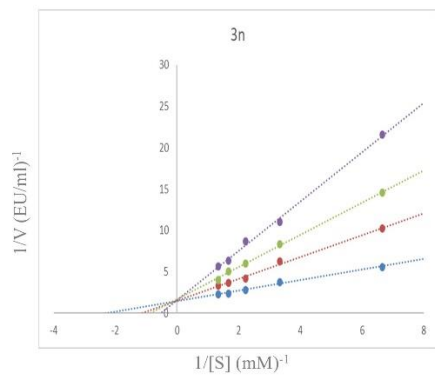
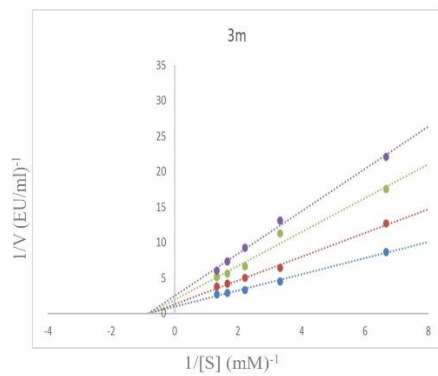
Ki Graphs of compounds 3a-p for hCA I



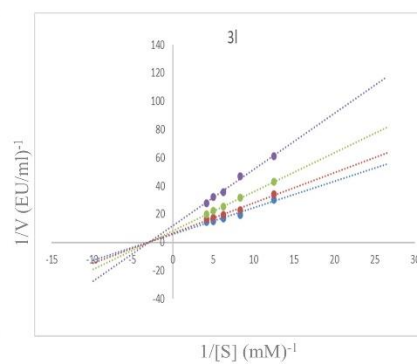
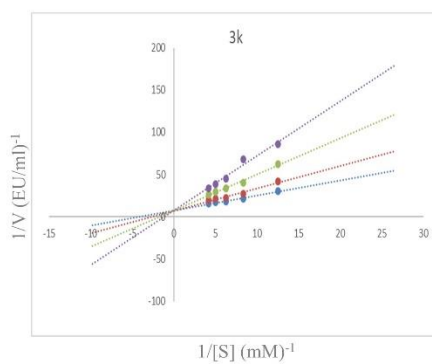
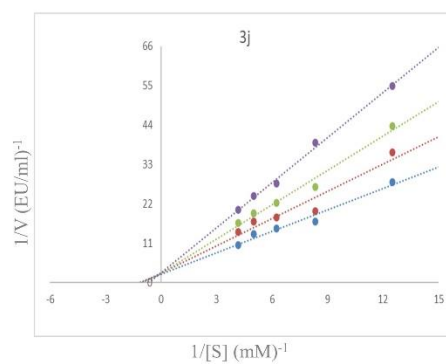
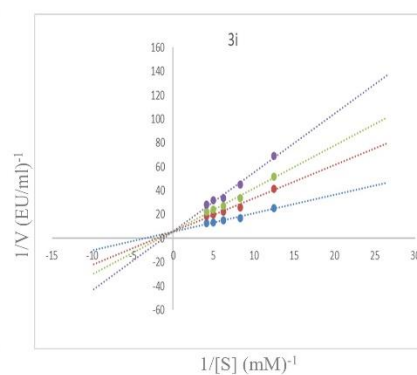
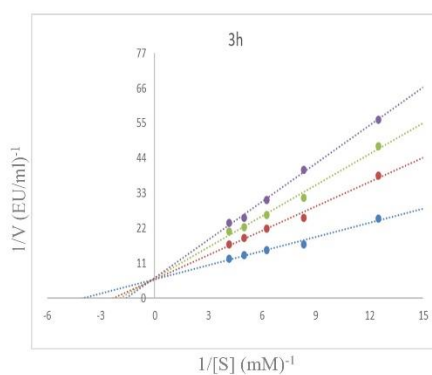
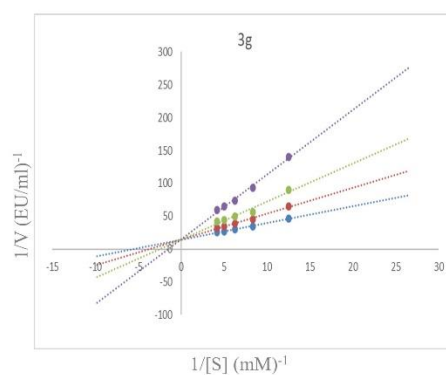
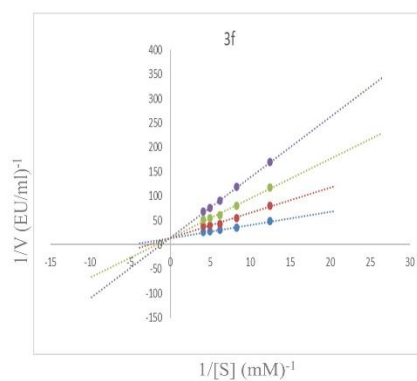
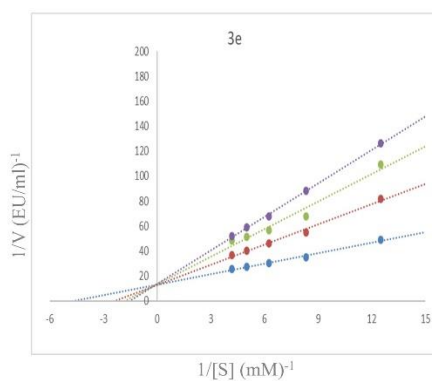
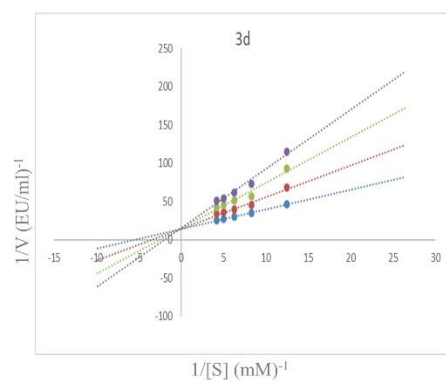
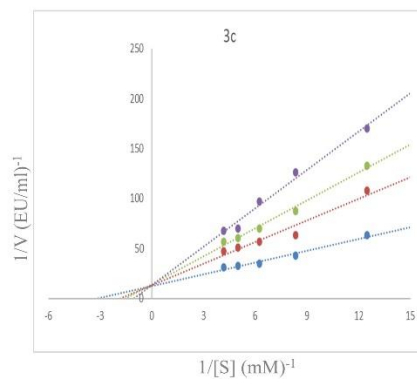
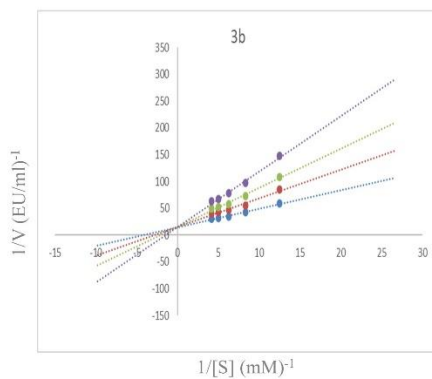
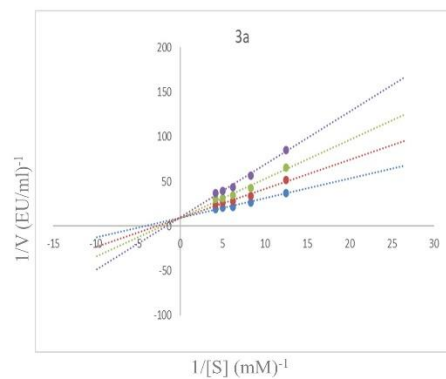


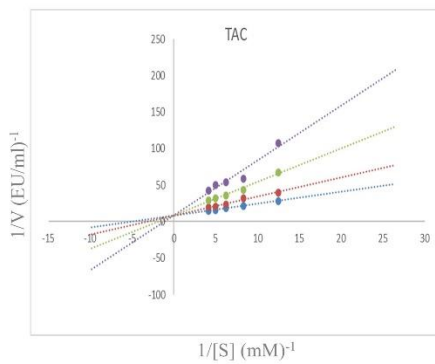
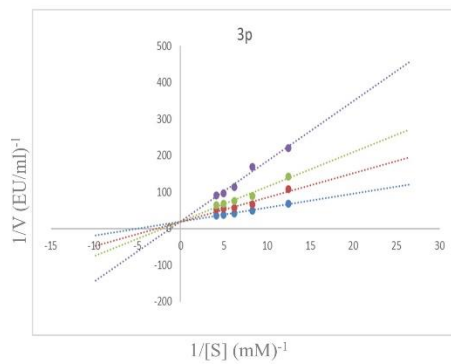
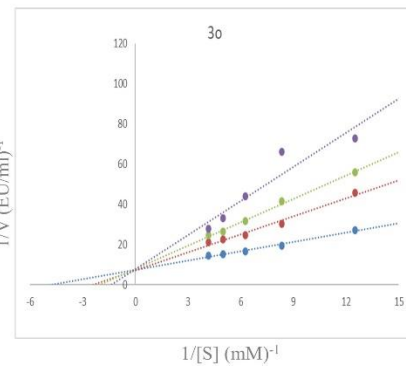
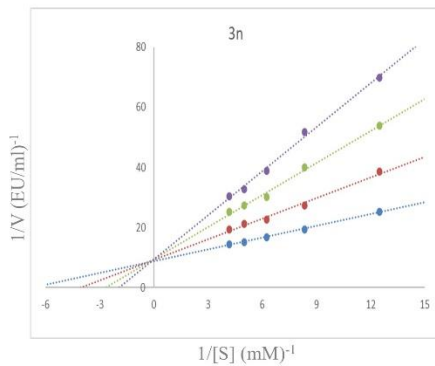
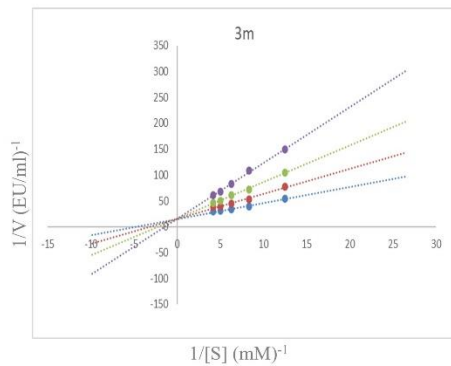
Ki Graphs of compounds 3a-p for hCA II



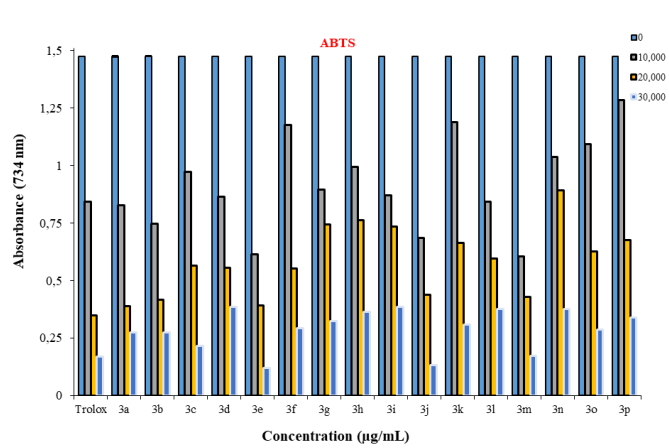
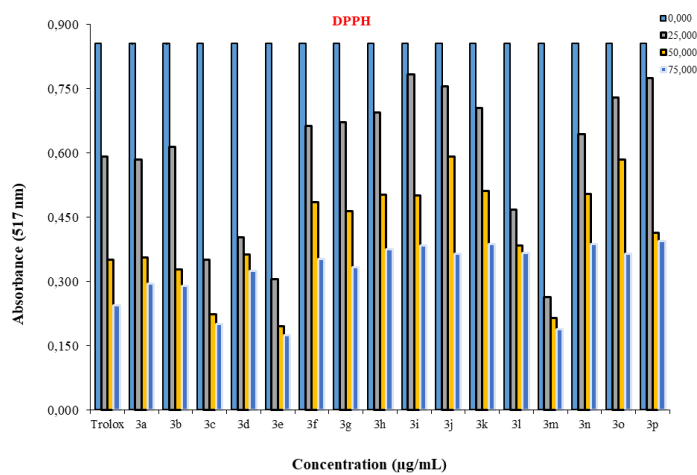
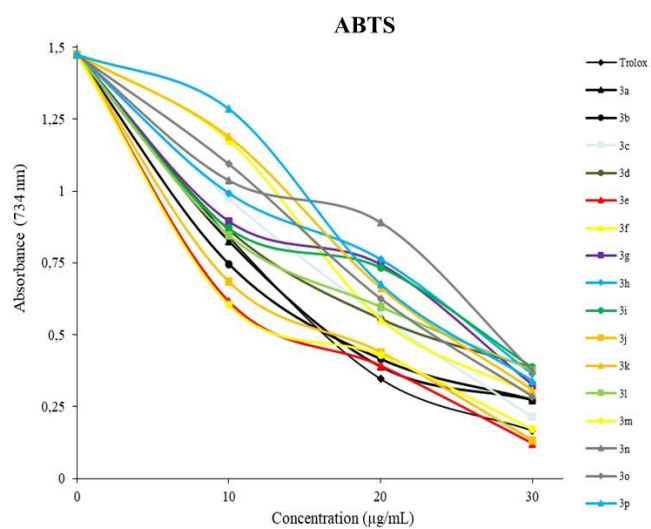
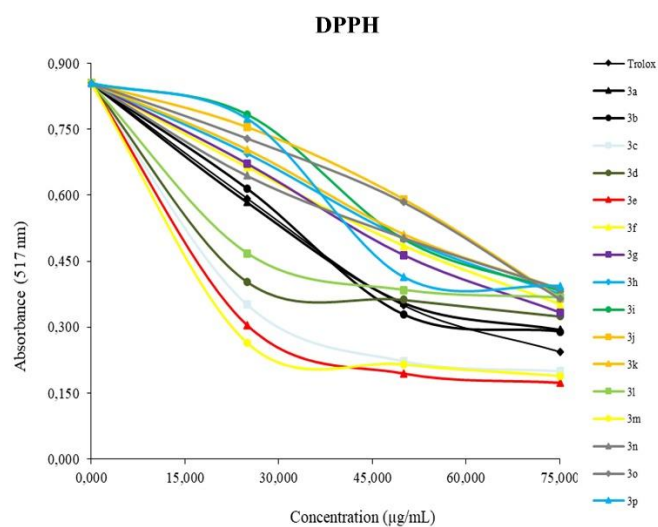


Ki Graphs of compounds 3a-p for AChE



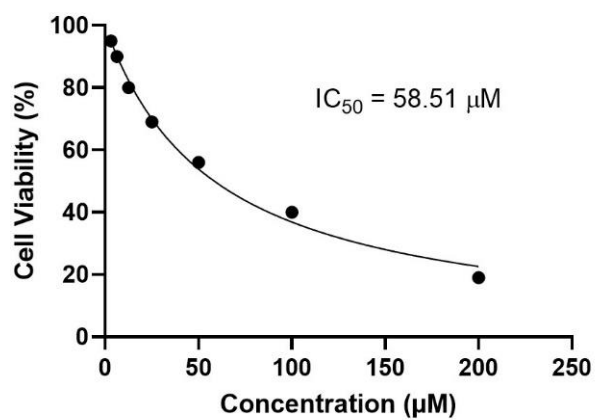


Antioxidant Activity Graphs of compounds 3a-p

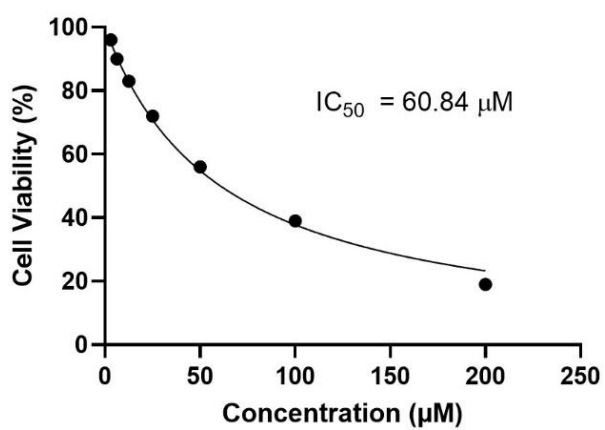


IC₅₀ graphs of compounds 3c, 3e, and 3m for HUVEC

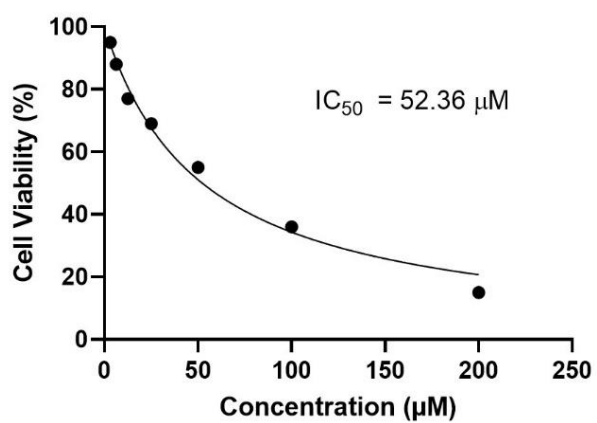
Compound 3C - HUVEC



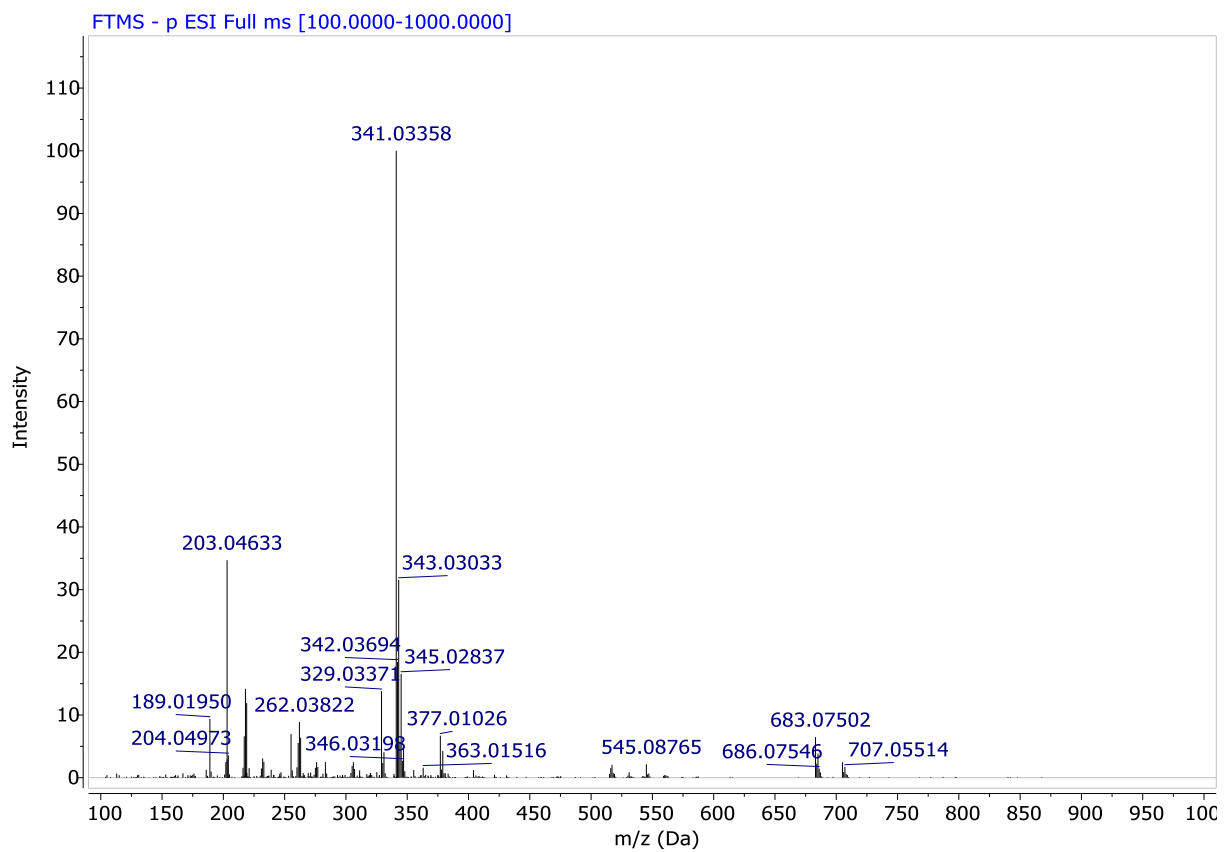
Compound 3E - HUVEC



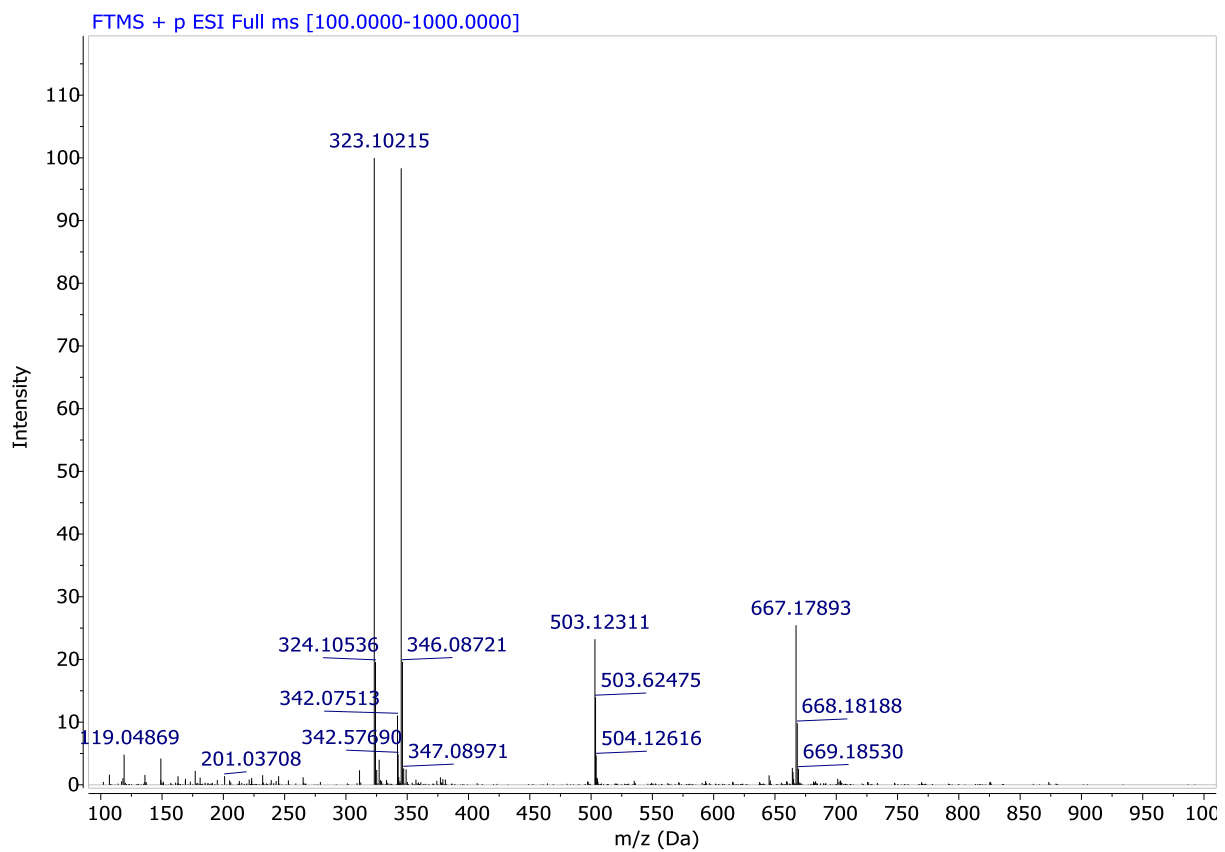
Compound 3M - HUVEC



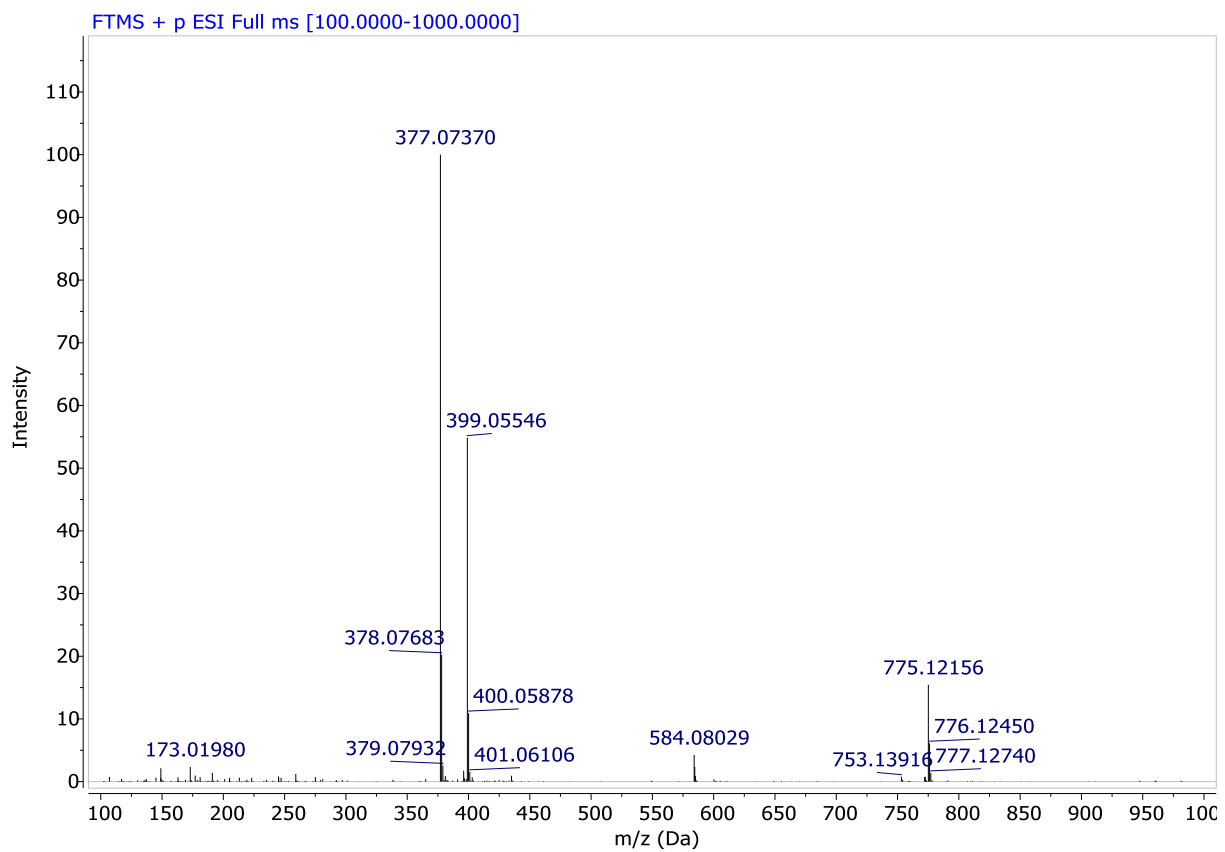
HRMS-ESI Spectrum of 3a



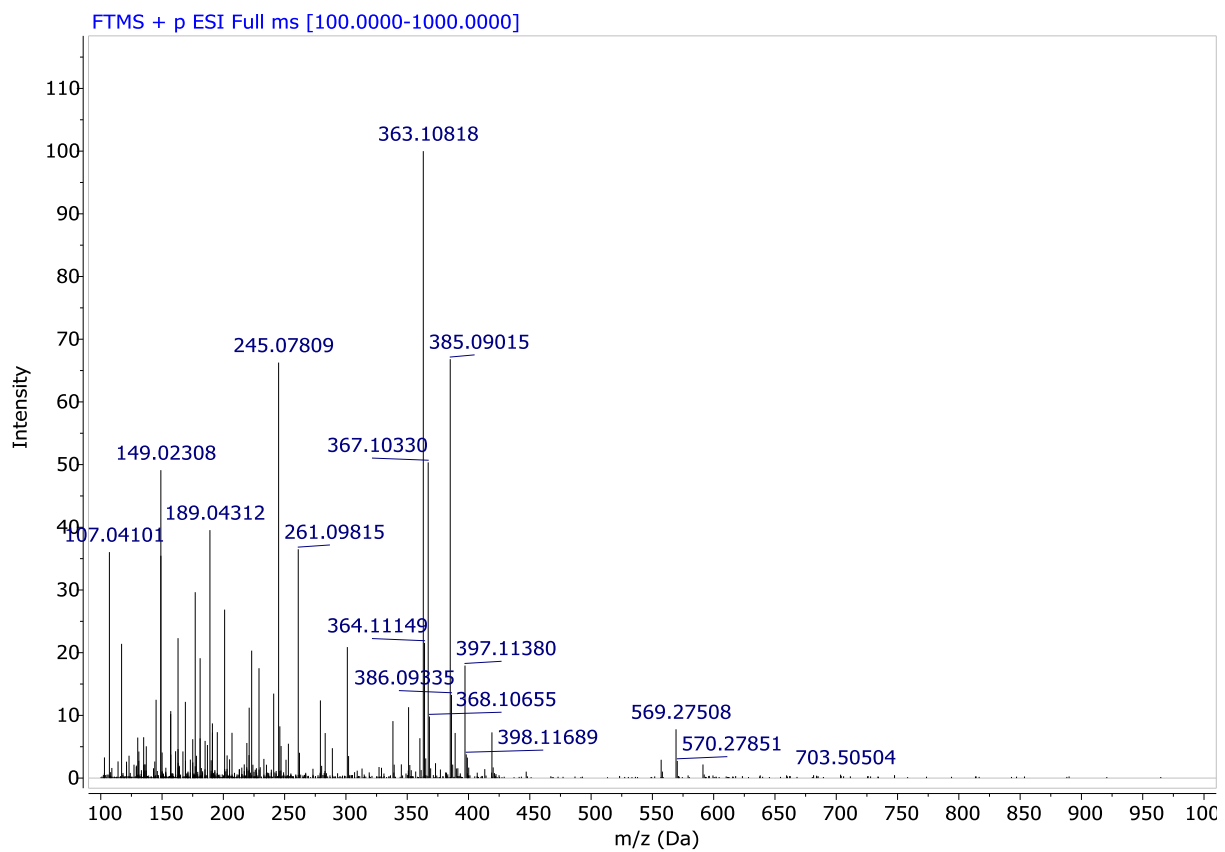
HRMS-ESI Spectrum of 3b



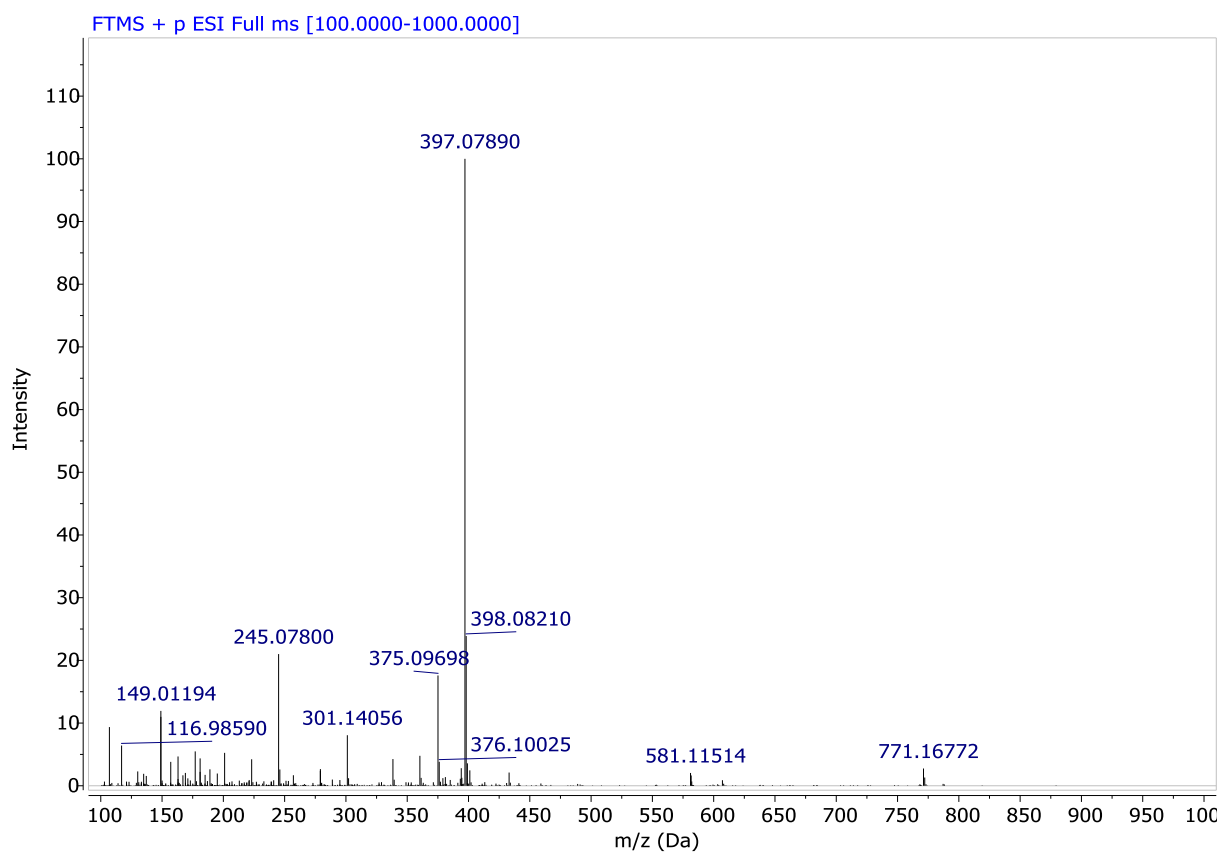
HRMS-ESI Spectrum of 3c



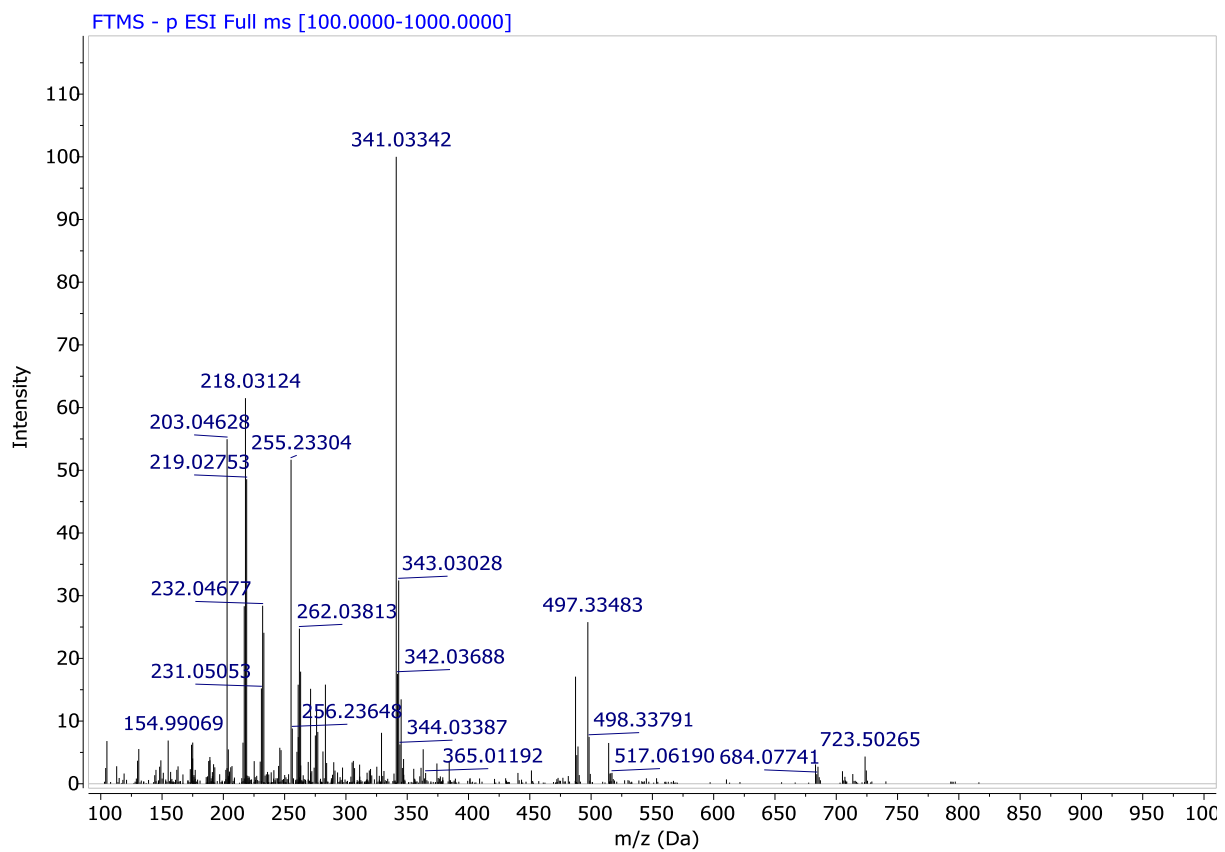
HRMS-ESI Spectrum of 3d



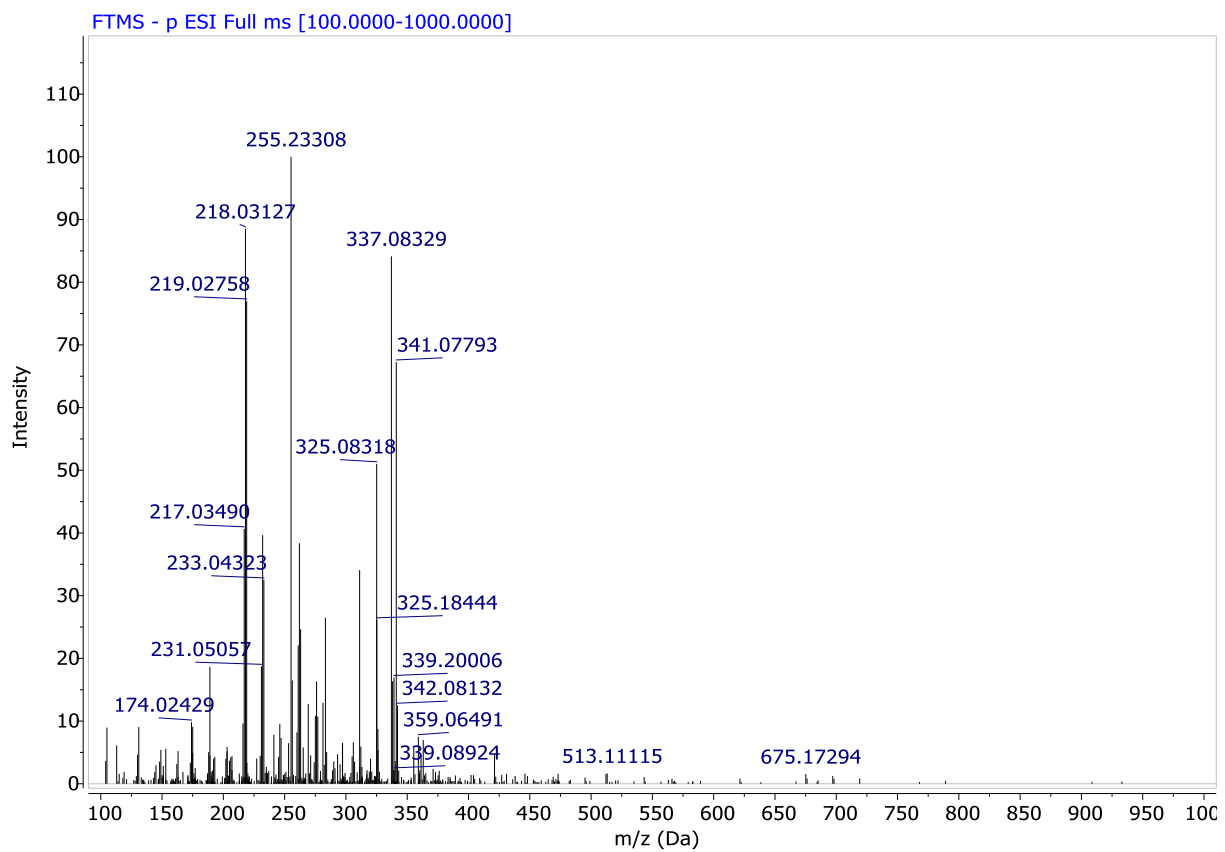
HRMS-ESI Spectrum of 3e



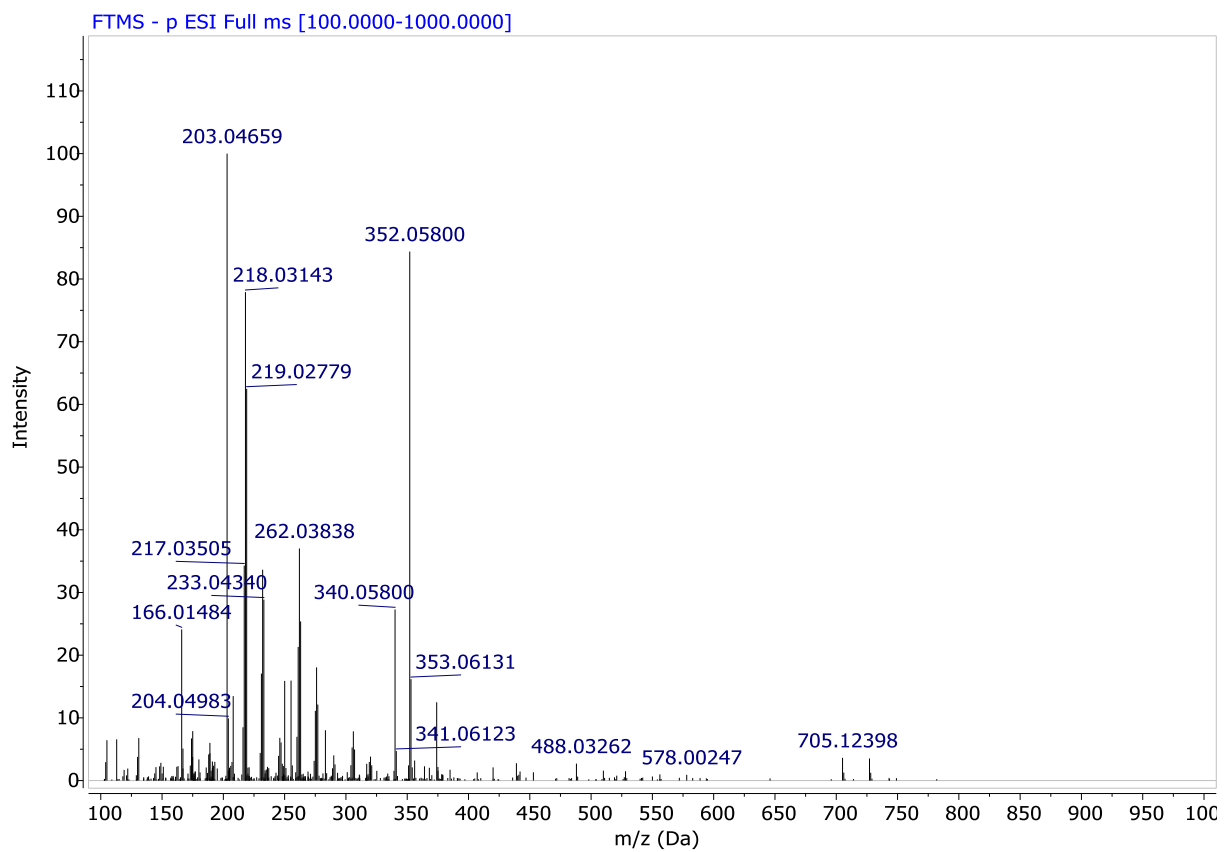
HRMS-ESI Spectrum of 3f



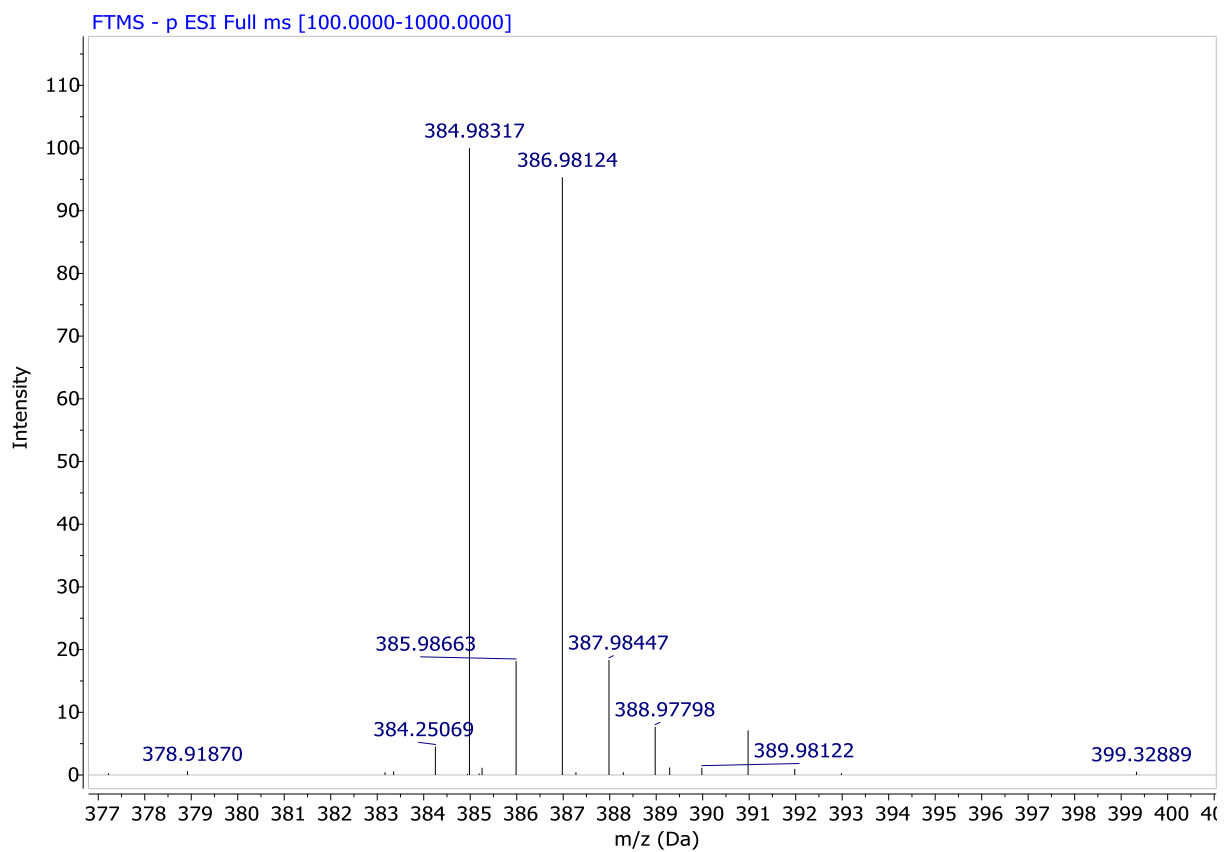
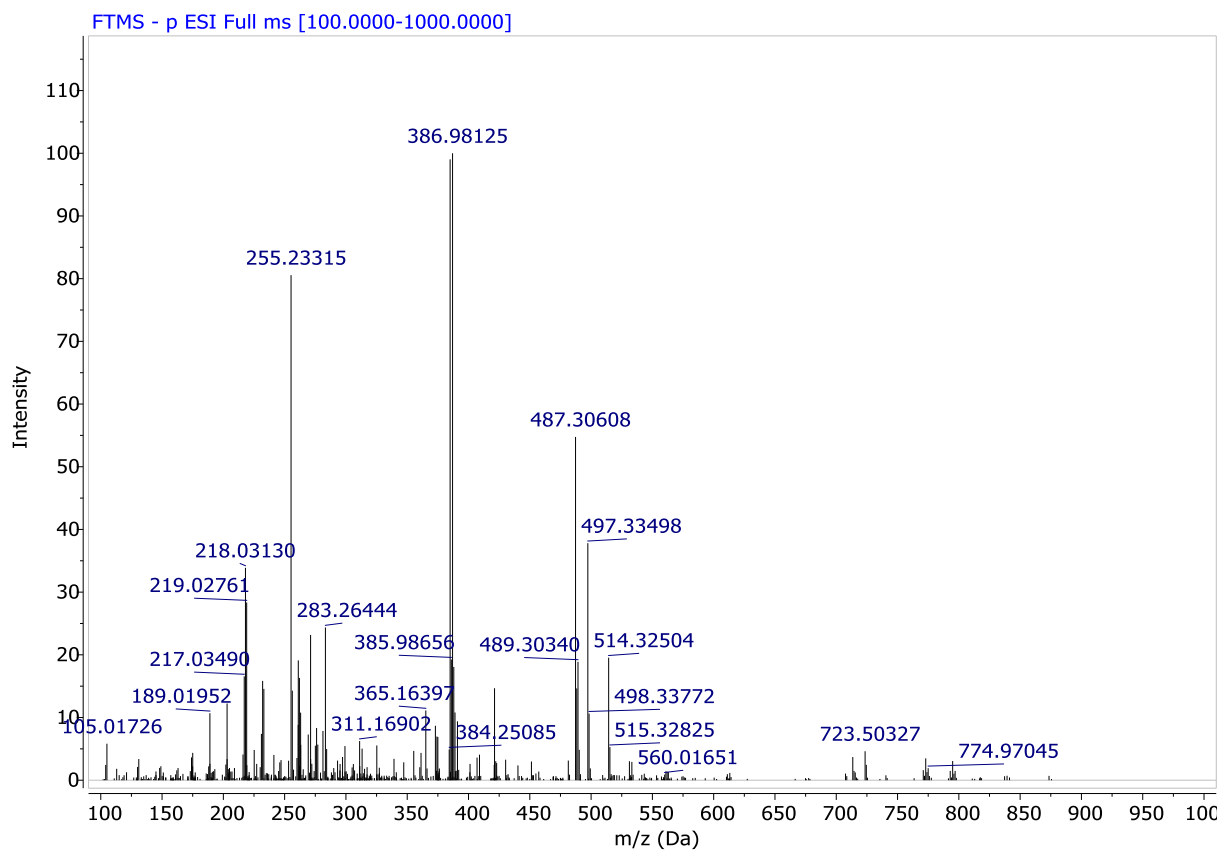
HRMS-ESI Spectrum of 3g



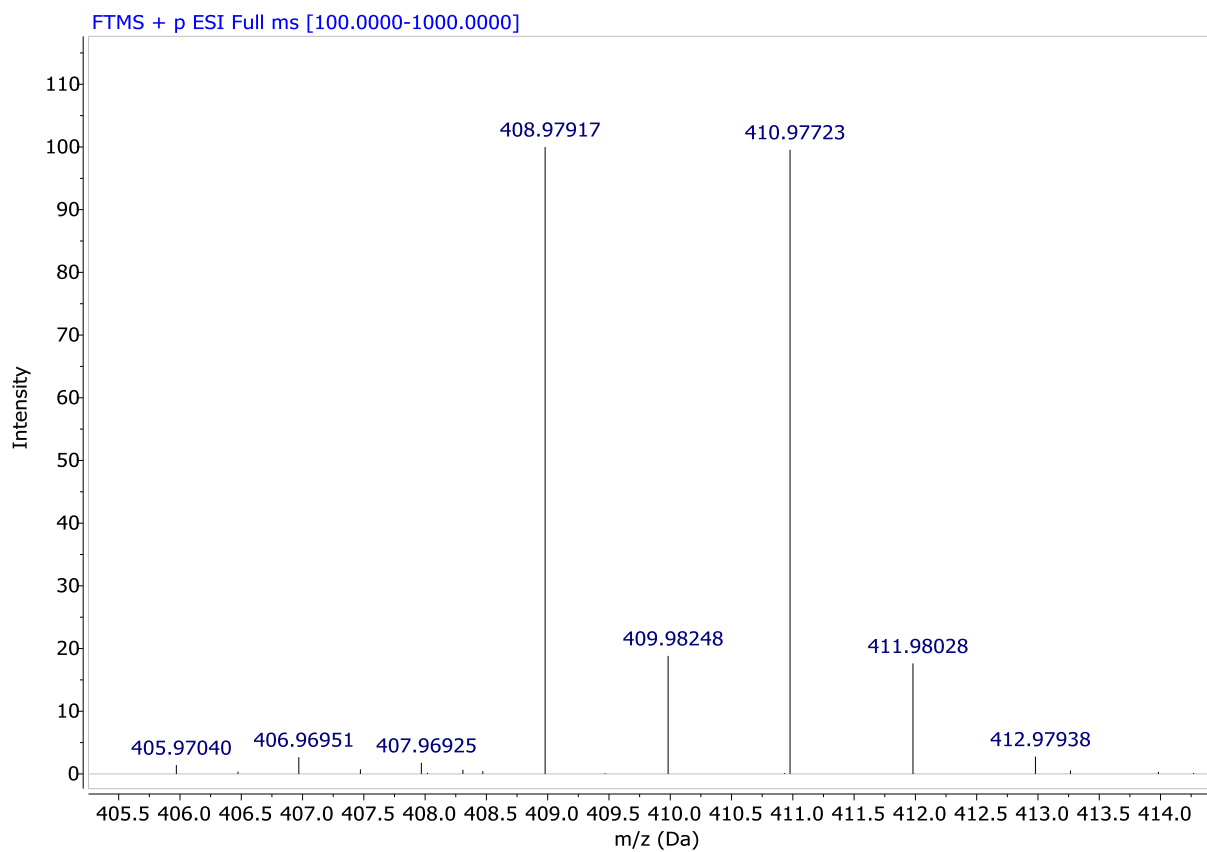
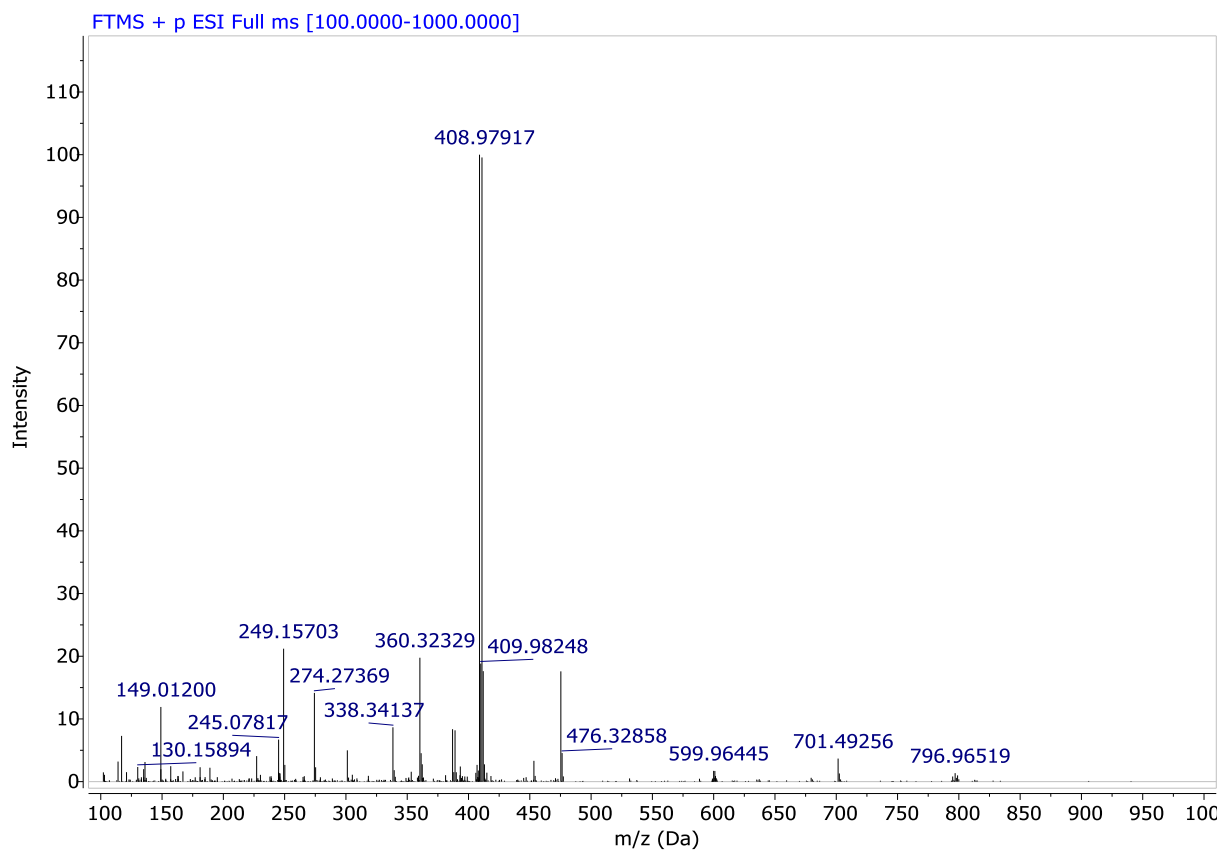
HRMS-ESI Spectrum of 3h



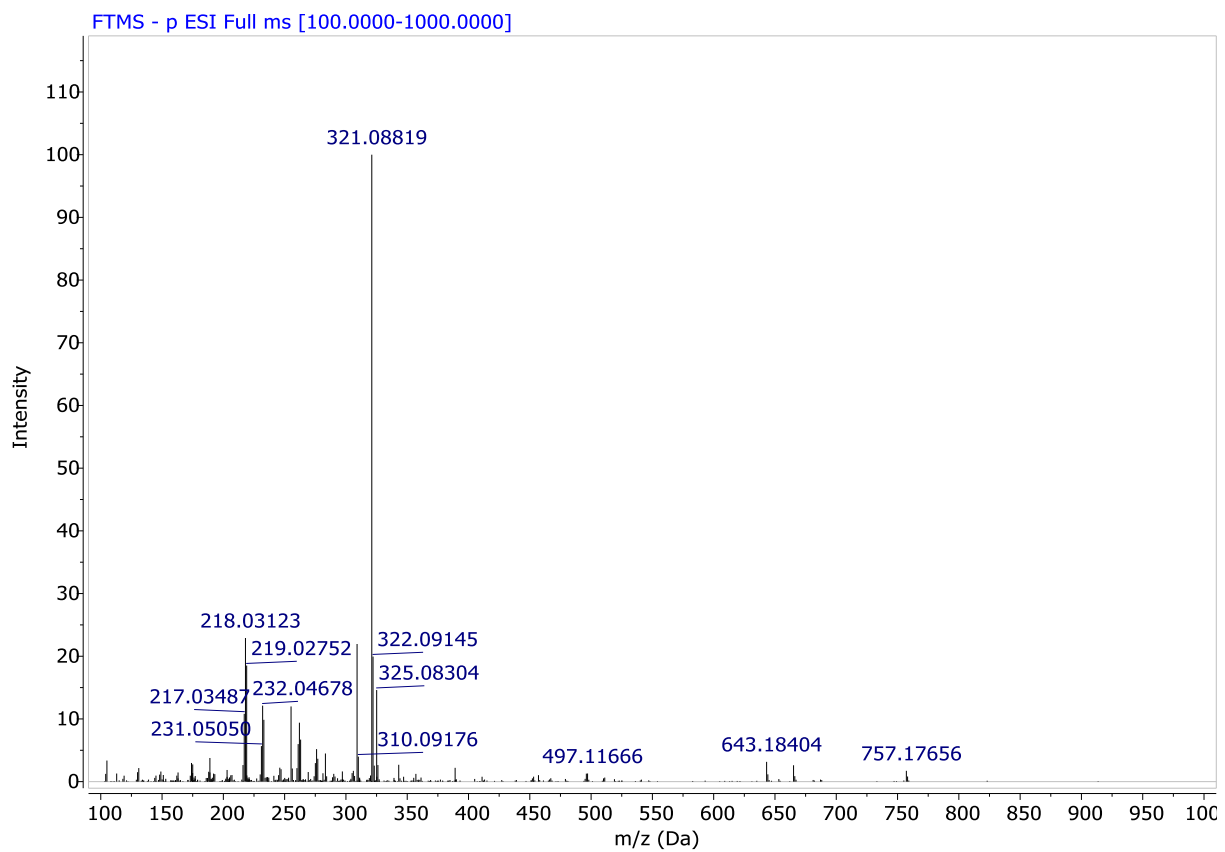
HRMS-ESI Spectrum of 3j



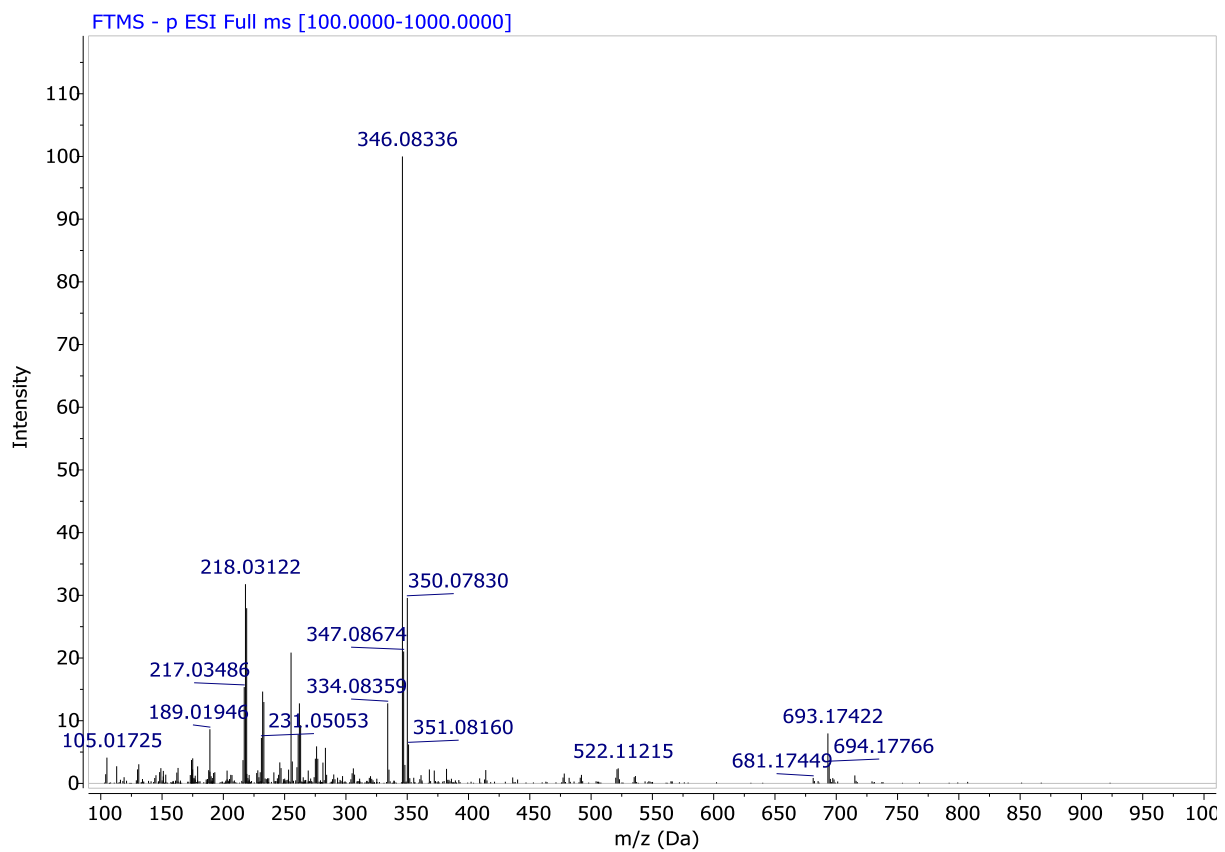
HRMS-ESI Spectrum of 3k



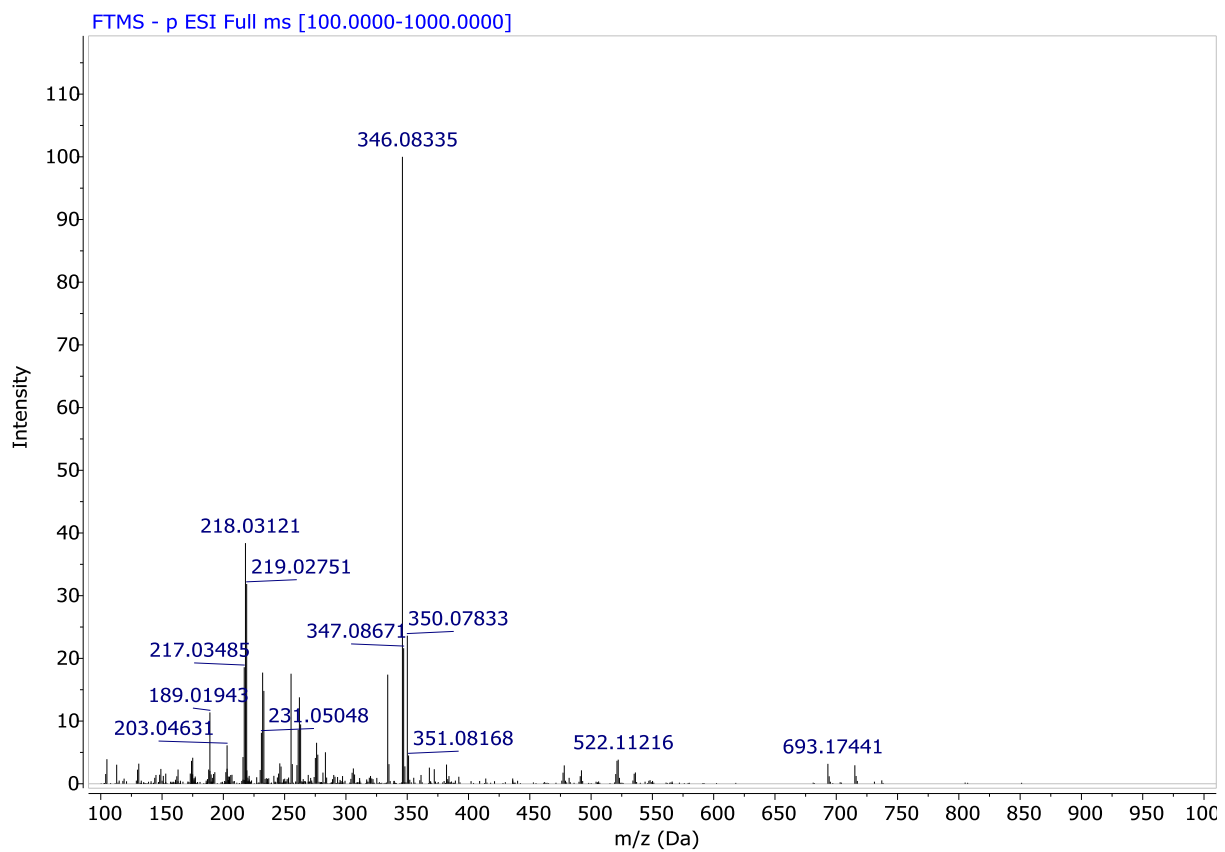
HRMS-ESI Spectrum of 3l



HRMS-ESI Spectrum of 3m



HRMS-ESI Spectrum of 3n

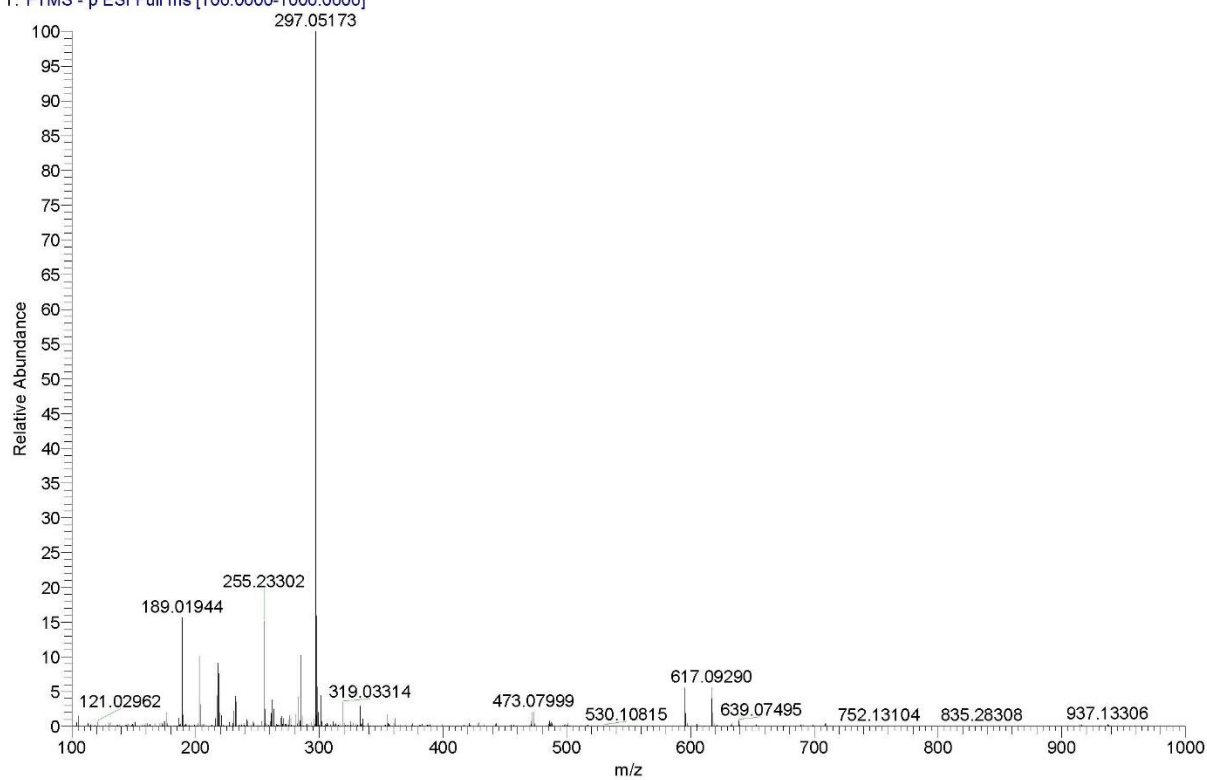


HRMS-ESI Spectrum of 3o

F:\2023-04-04-DISK C\...\HSL-WH-16

01/30/26 09:47:20

HSL-WH-16 #12 RT: 0.08 AV: 1 SM: 7G NL: 2.64E8
T: FTMS - p ESI Full ms [100.0000-1000.0000]



HRMS-ESI Spectrum of 3p

F:\2023-04-04-DISK C\...\HSL-WH-18

01/30/26 09:50:20

HSL-WH-18 #12 RT: 0.08 AV: 1 SM: 7G NL: 1.79E8
T: FTMS - p ESI Full ms [100.0000-1000.0000]

