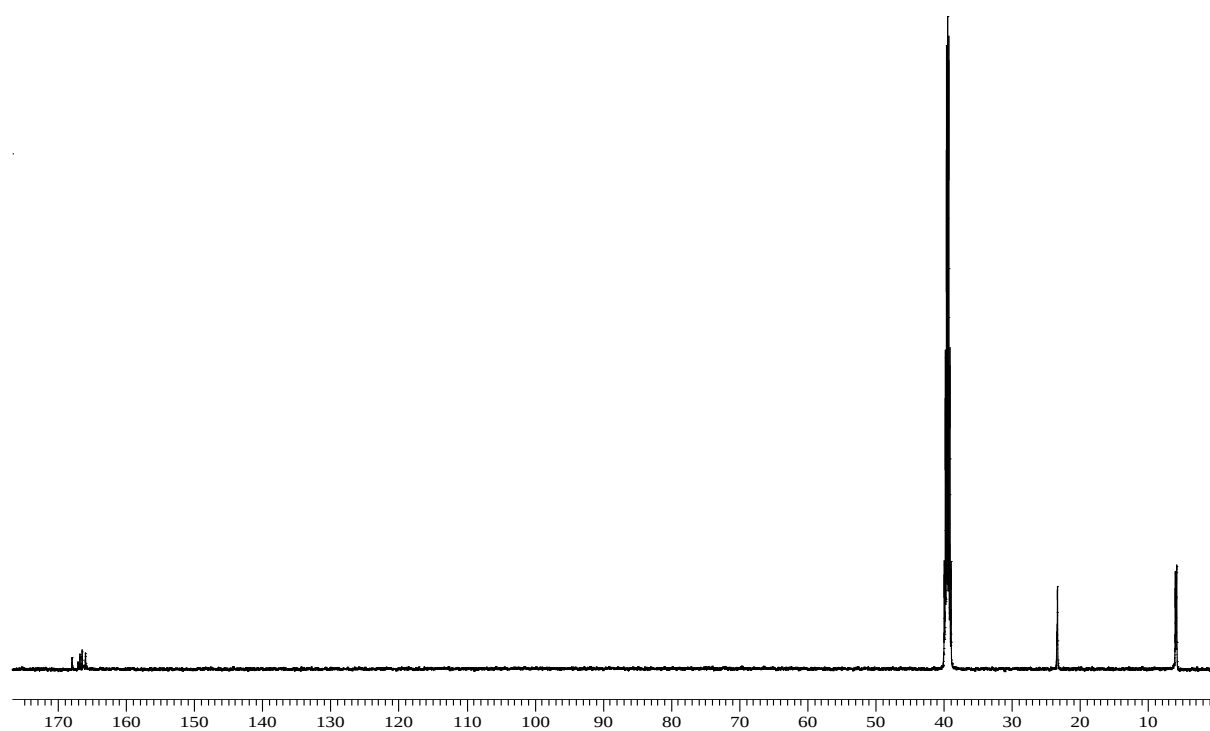
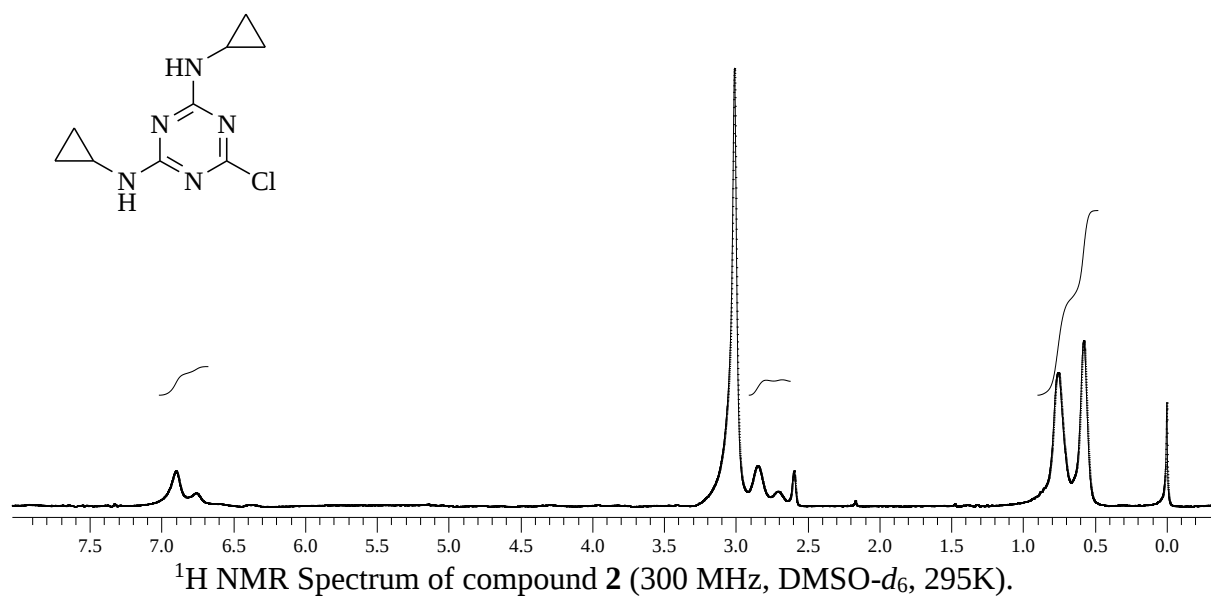
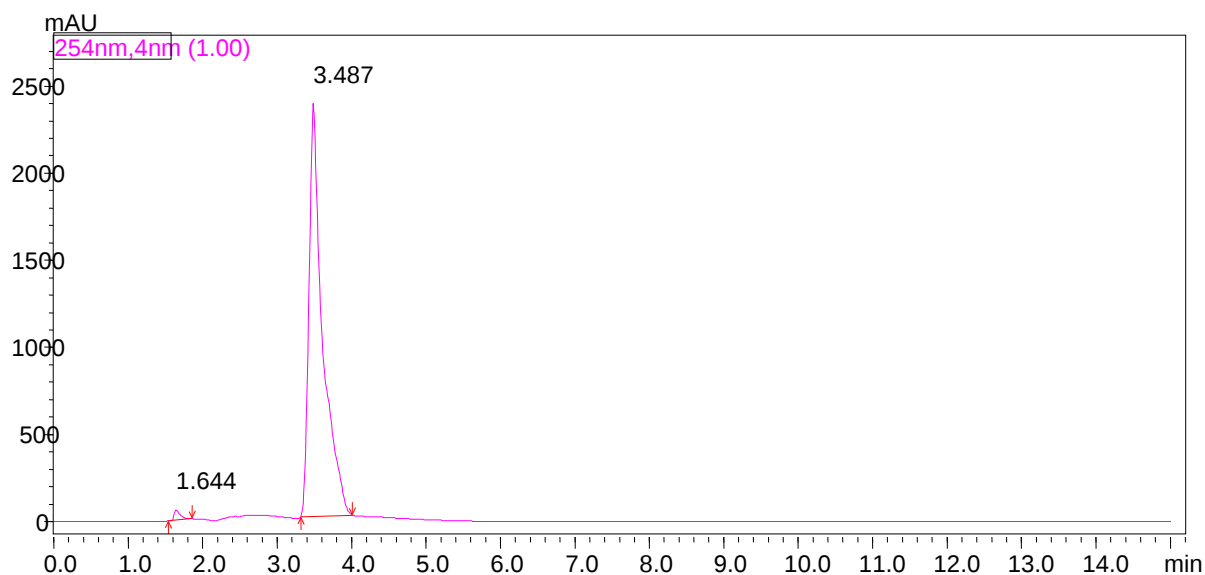




^{13}C NMR Spectrum of compound 2 (75 MHz, $\text{DMSO}-d_6$, 295K).

LCMS SPECTROM OF COMPOUND 2



Instrument : LCMS-2020 SHIMADZU

Software : Lab Solutions(5.41.240 Version)

Sample Code : GVM-HR-IPTCT

Mobile Phase : Acetonitrile:Ammonium acetate(Ph 5.0) (70:30)

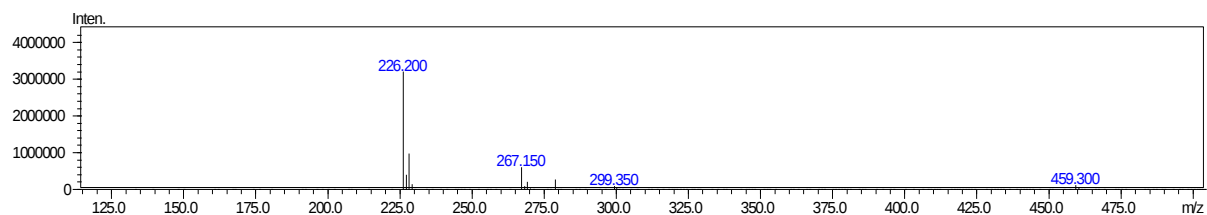
Column : Waters XBridge -C 18 .

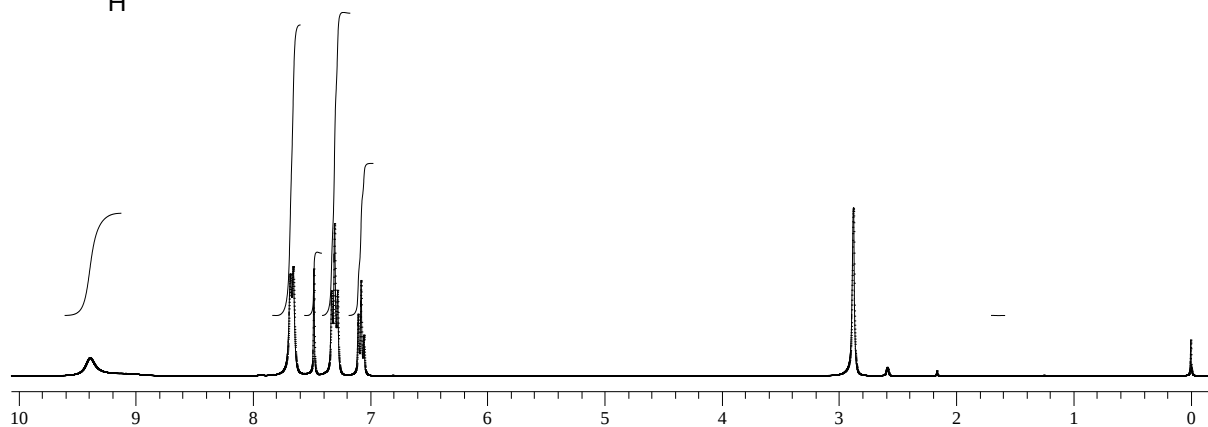
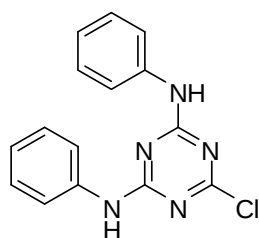
Column Size : 4.6x150 mm

Particle Size : 3.5 μ

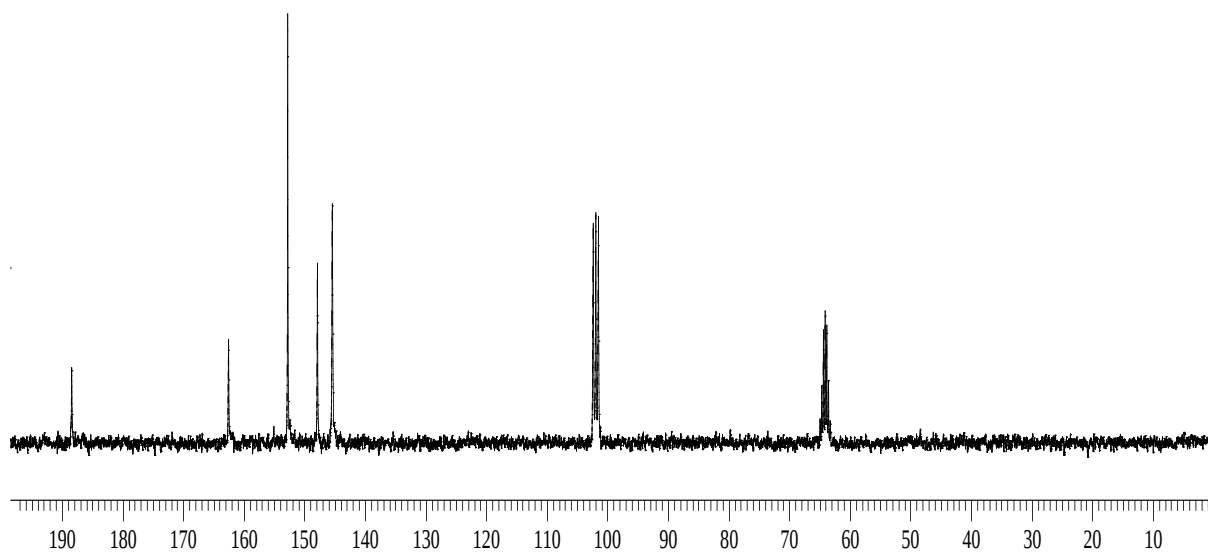
Peak Table :

Peak#	Ret. Time	Area	Height	Area%
1	1.644	336224	59625	1.107
2	3.487	30043201	2371165	98.893
Total		30379425	2430790	100.000

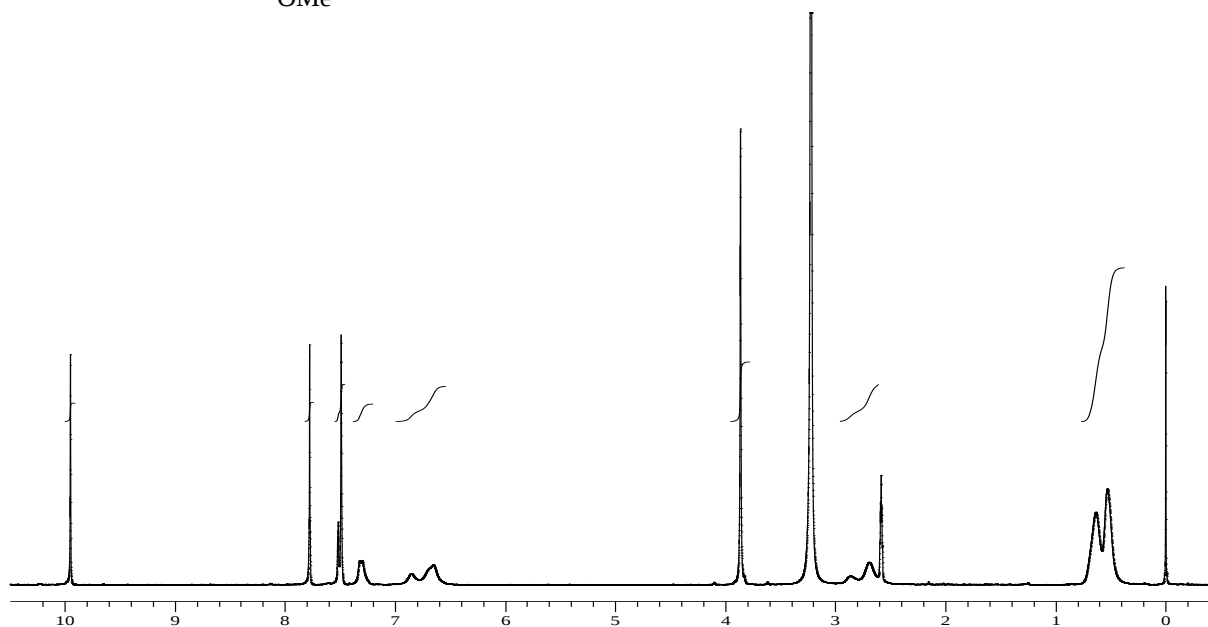
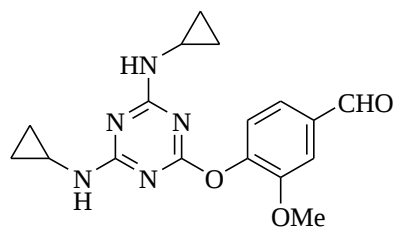




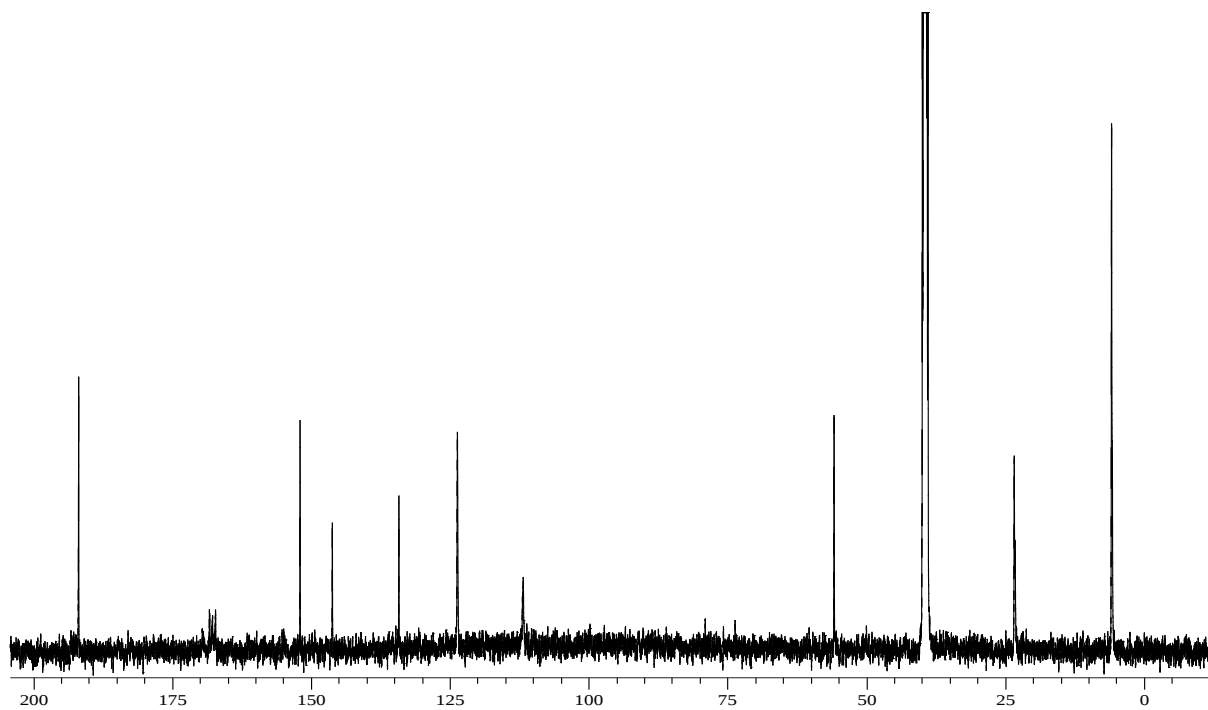
^1H NMR Spectrum of **3** (300 MHz, $\text{DMSO-}d_6$ 295K).



^{13}C NMR Spectrum of **3** (300 MHz, $\text{DMSO-}d_6$ 295K).

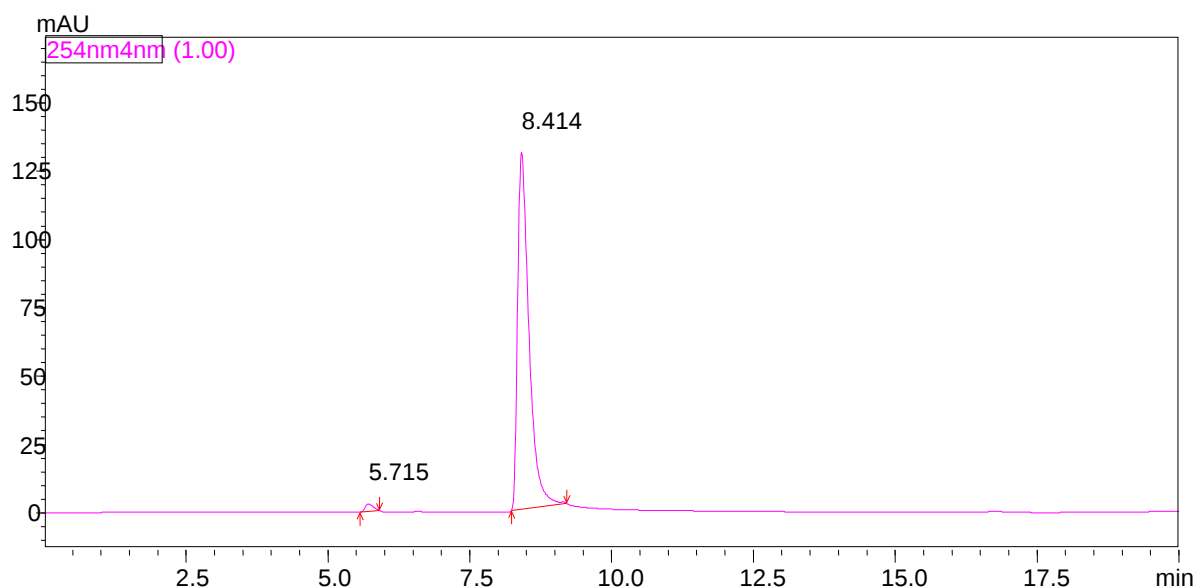


^1H NMR Spectrum of **4** (300 MHz, $\text{DMSO}-d_6$, 295K).



^{13}C NMR Spectrum of **4** (75 MHz, $\text{DMSO}-d_6$, 295K).

LCMS SPECTROM OF COMPOUND 4



Instrument : LCMS-2020 SHIMADZU

Software : Lab Solutions(5.41.240 Version)

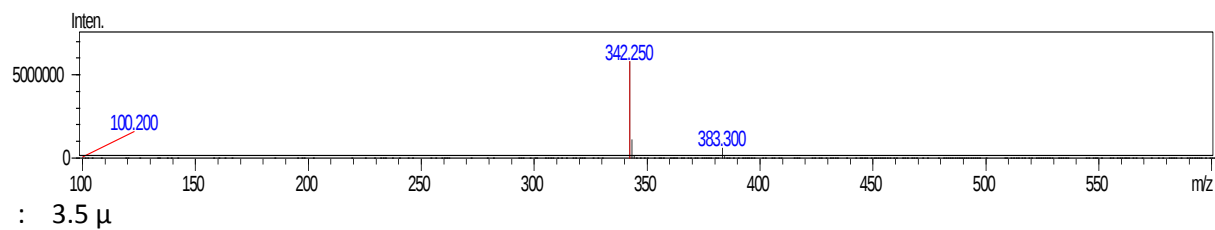
Sample Code : GVM-2 P-VAL

Mobile Phase : Acetonitrile:Ammonium acetate(Ph 5.0) (70:30)

Column : Waters XBridge -C 18

Column Size : 4.6x150 mm

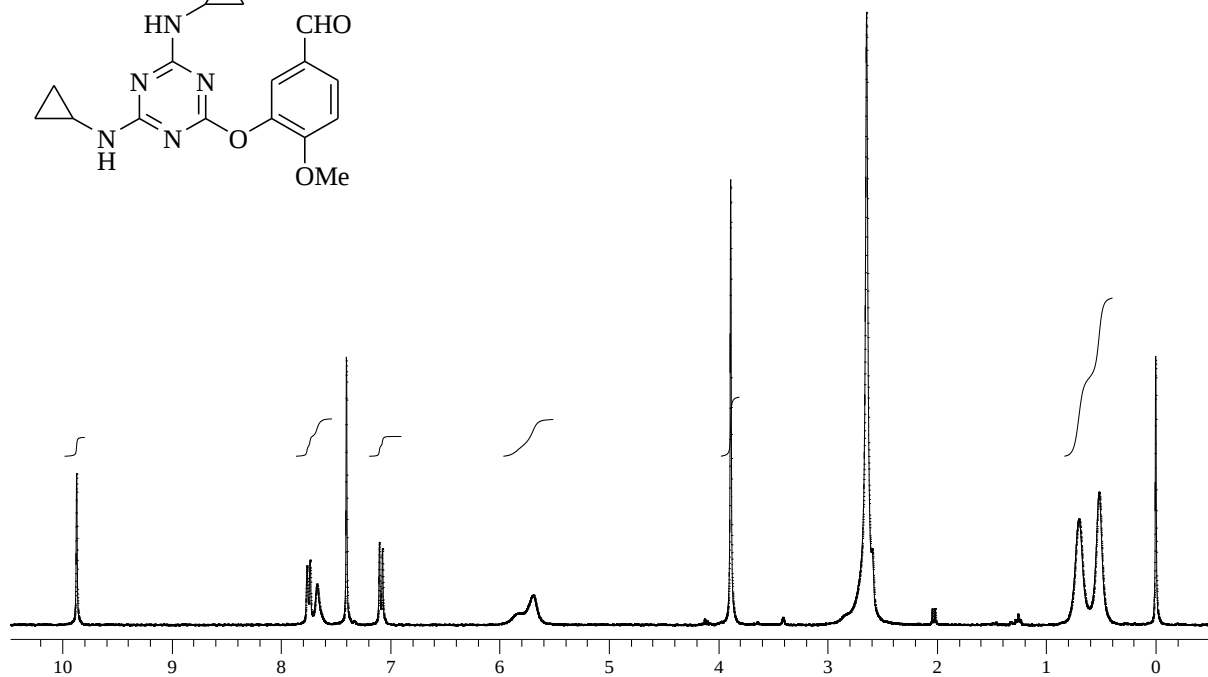
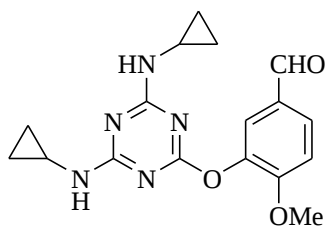
Particle Size



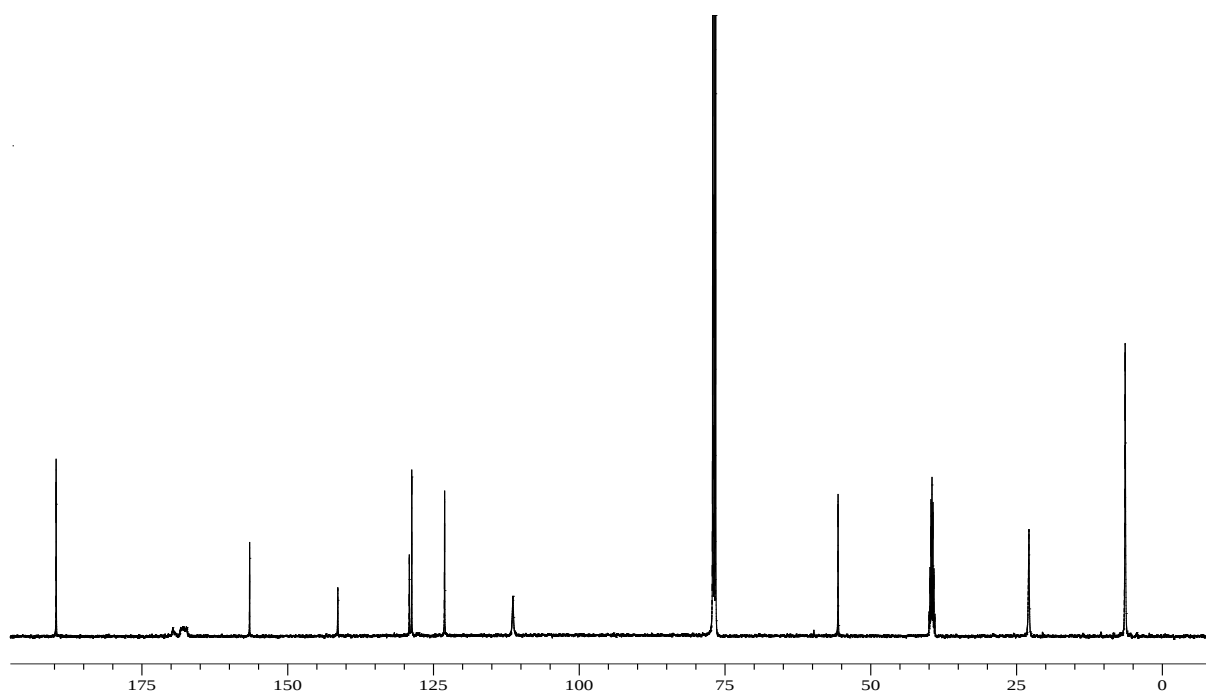
: 3.5 μ

Peak Table :

Peak#	Ret. Time	Area	Height	Area%
1	5.715	26190	2612	1.413
2	8.414	1827676	130495	98.587
Total		1853866	133107	100.000

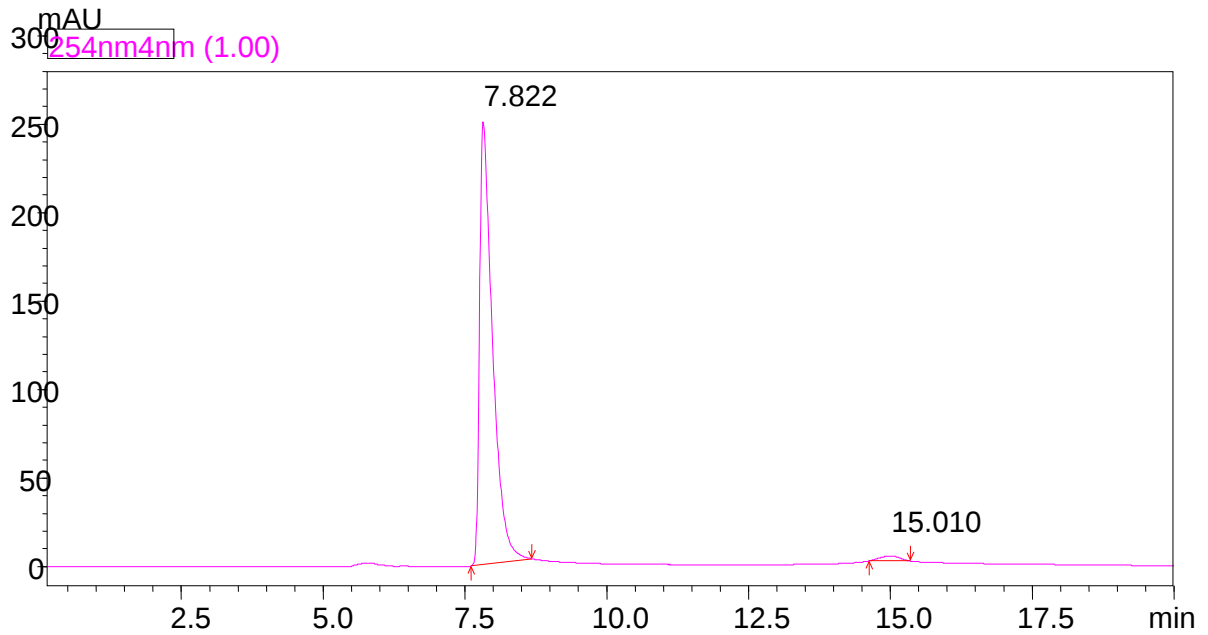


^1H NMR Spectrum of 5 (500 MHz, $\text{CDCl}_3+\text{DMSO}-d_6$, 295K).



^{13}C NMR Spectrum of 5 (75 MHz $\text{CDCl}_3+\text{DMSO}-d_6$, 295K)

LCMS SPECTROM OF COMPOUND 5



Instrument : LCMS-2020 SHIMADZU

Software : Lab Solutions(5.41.240 Version)

Sample Code : GVM-2 P-ISO

Mobile Phase : Acetonitrile:Ammonium acetate(Ph 5.0) (70:30)

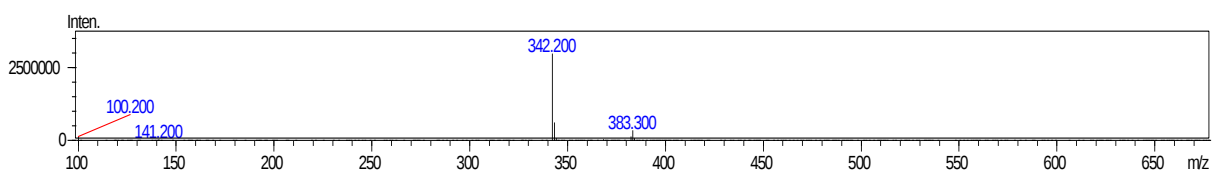
Column : Waters XBridge -C 18

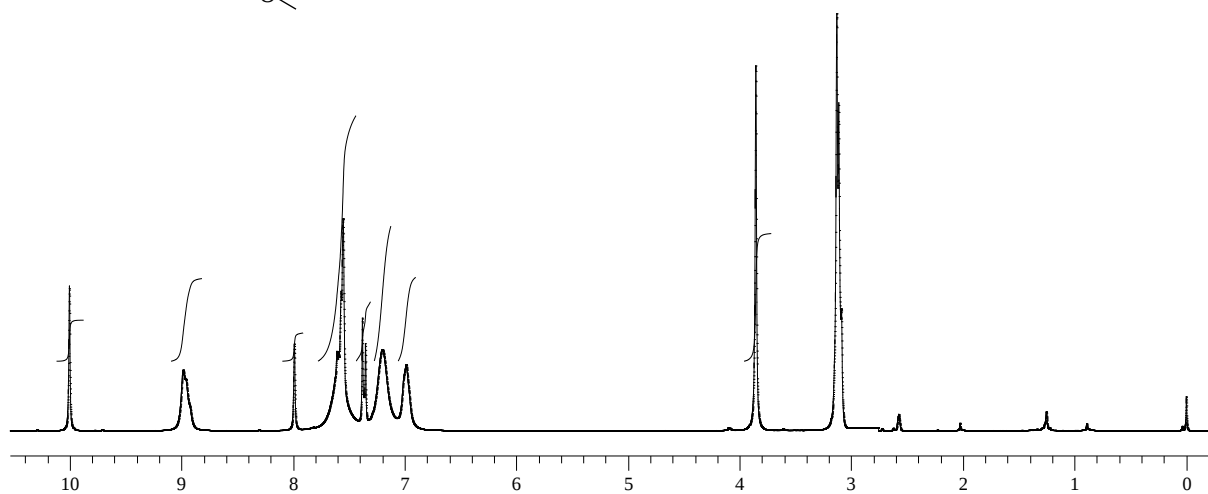
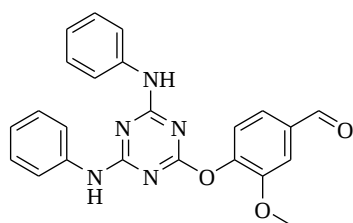
Column Size : 4.6x150 mm

Particle Size : 3.5 μ

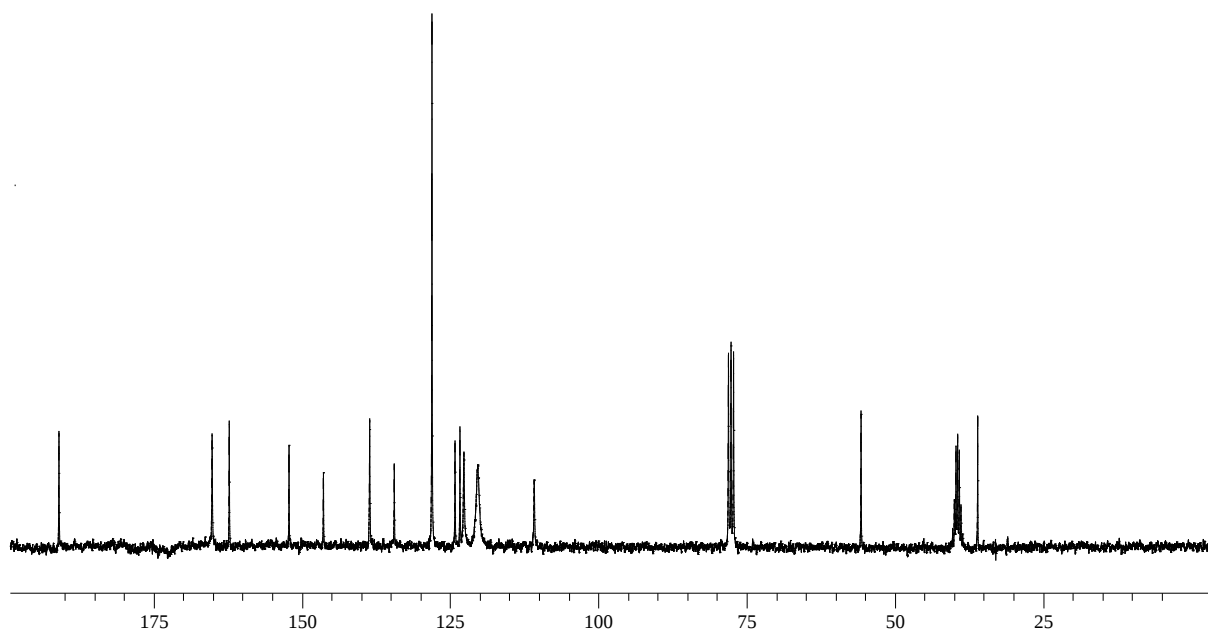
Peak Table :

Peak#	Ret. Time	Area	Height	Area%
1	7.822	3985826	250164	98.311
2	15.010	68480	2810	1.689
Total		4054307	252974	100.000



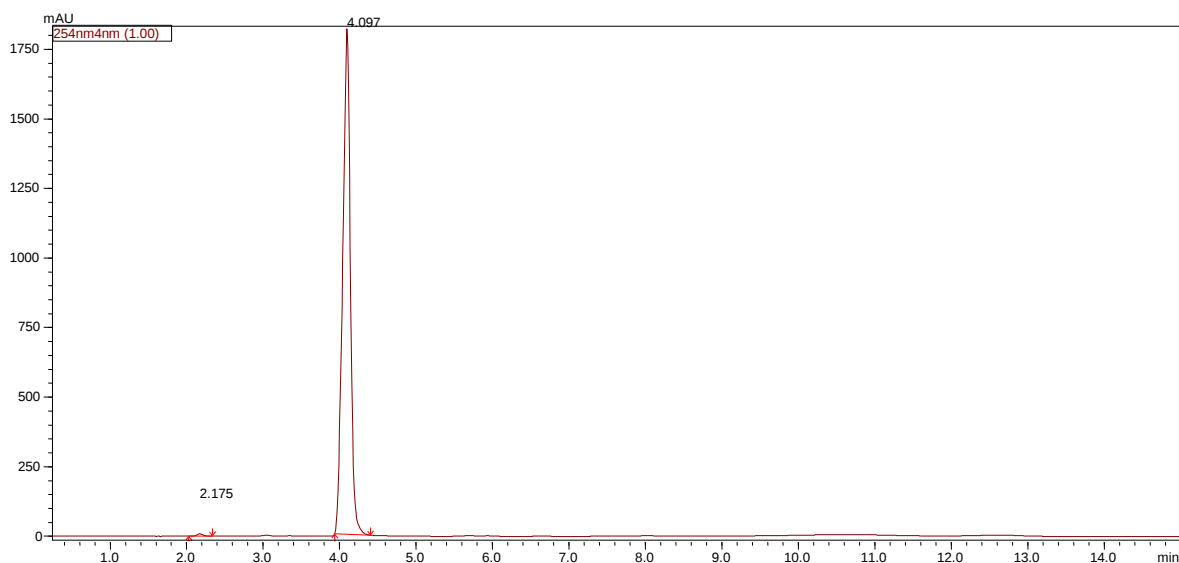


¹H NMR Spectrum of **6** (300 MHz, CDCl₃+DMSO-*d*₆ 295K).



¹³C NMR Spectrum of **6** (300 MHz, CDCl₃+DMSO-*d*₆ 295K).

LCMS SPECTRUM OF COMPOUND 6



Instrument : LCMS-2020 SHIMADZU

Software : Lab Solutions(5.41.240 Version)

Sample Code : PRK-S-2 nd

Mobile Phase : Acetonitrile:Ammonium acetate(Ph 5.0) (70:30)

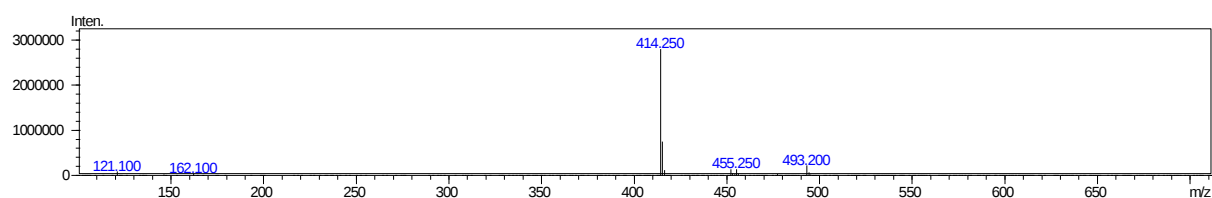
Column : Waters XBridge -C 18

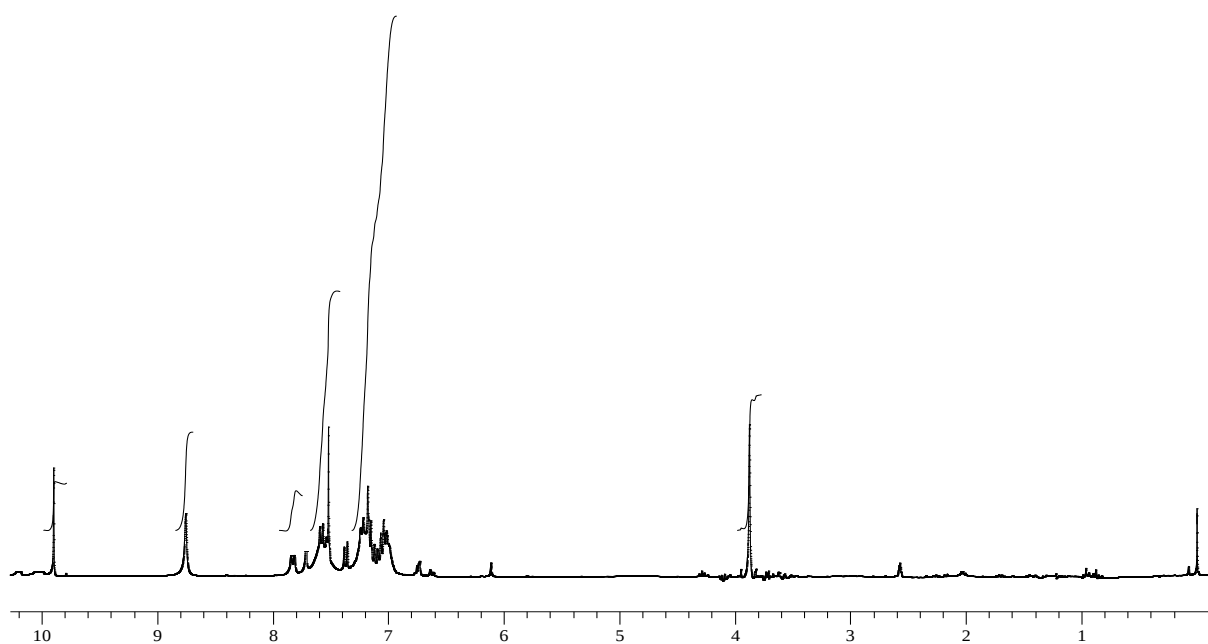
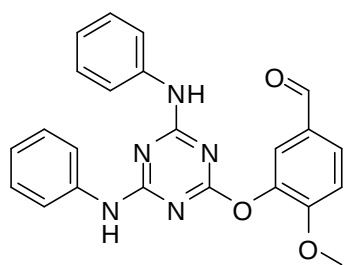
Column Size : 4.6x150 mm

Particle Size : 3.5 μ

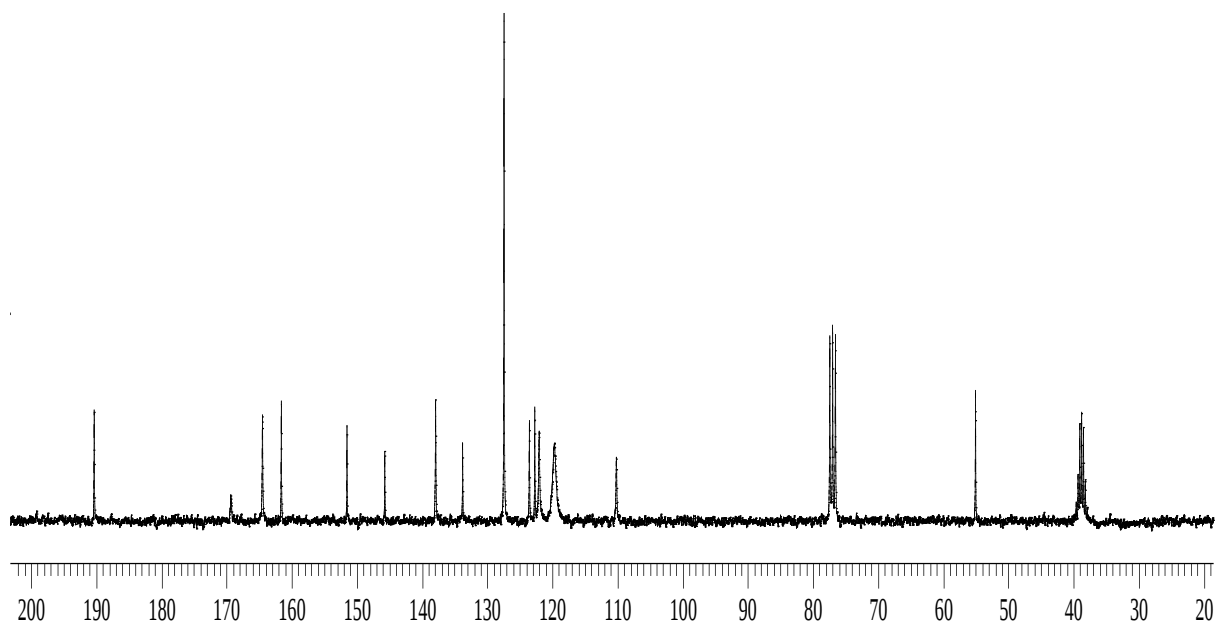
Peak Table :

Peak#	Ret. Time	Area	Height	Area%
1	2.175	41589	7782	0.329
2	4.097	12610641	1816297	99.671
Total		12652230	1824080	100.000

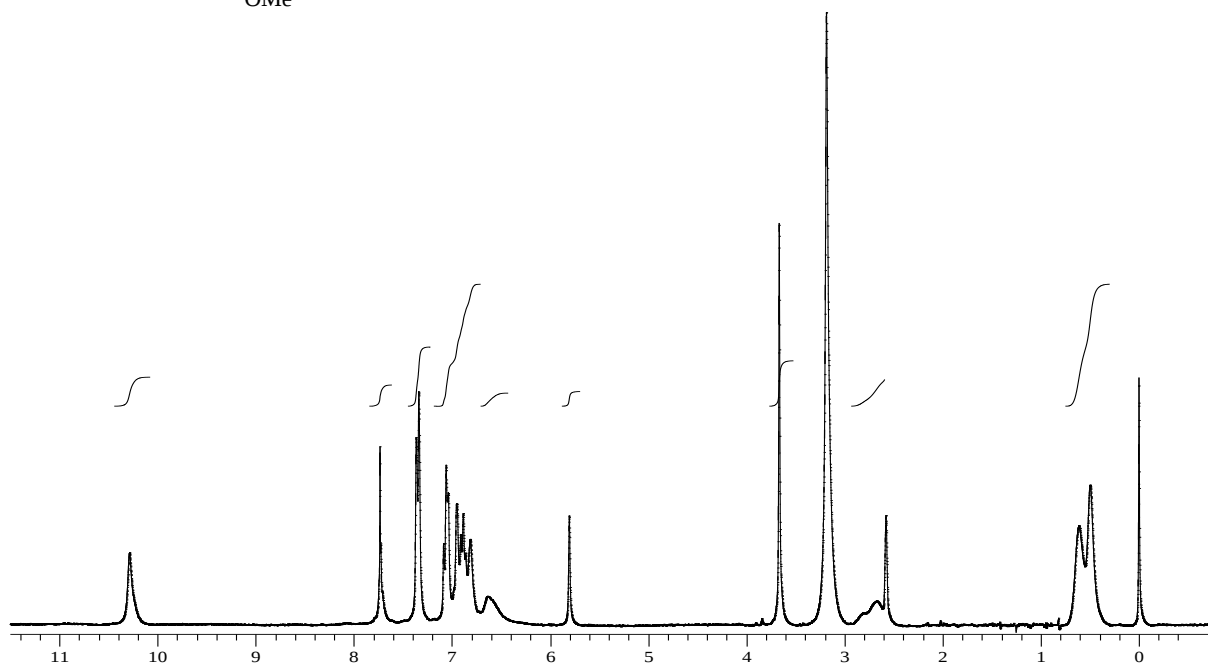
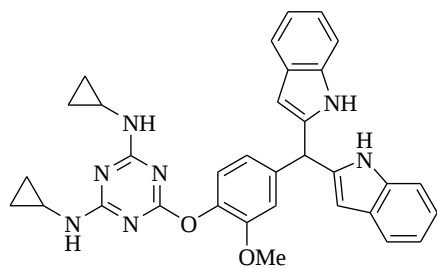




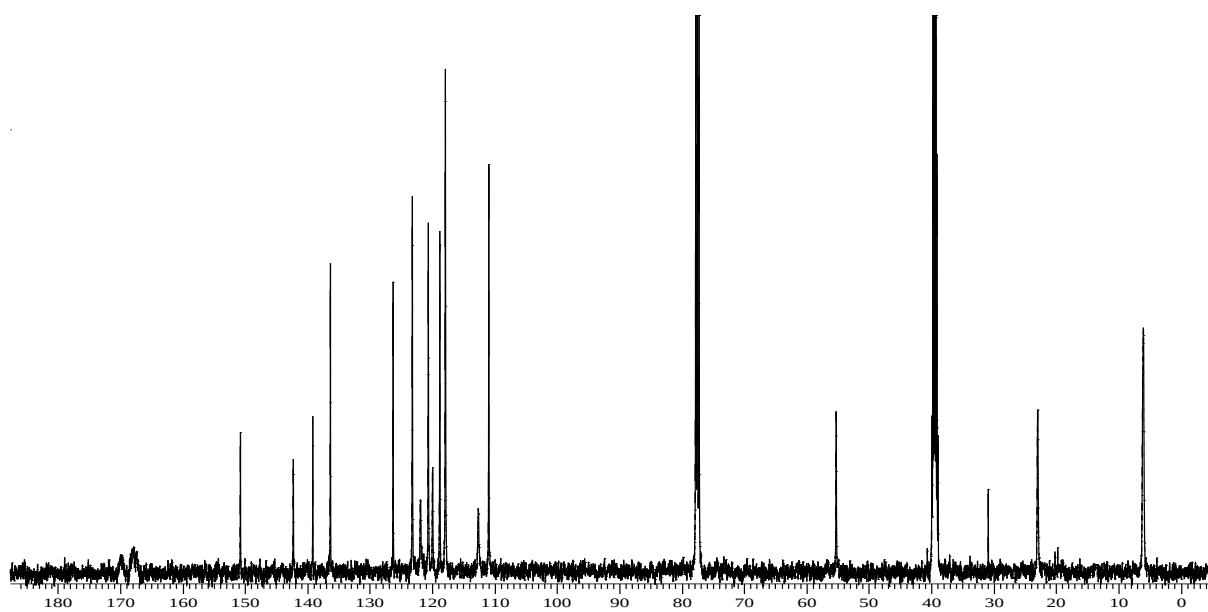
^1H NMR Spectrum of 7 (500 MHz, $\text{CDCl}_3 + \text{DMSO}-d_6$, 295K).



^{13}C NMR Spectrum of 7 (75 MHz, $\text{CDCl}_3 + \text{DMSO}-d_6$, 295K).

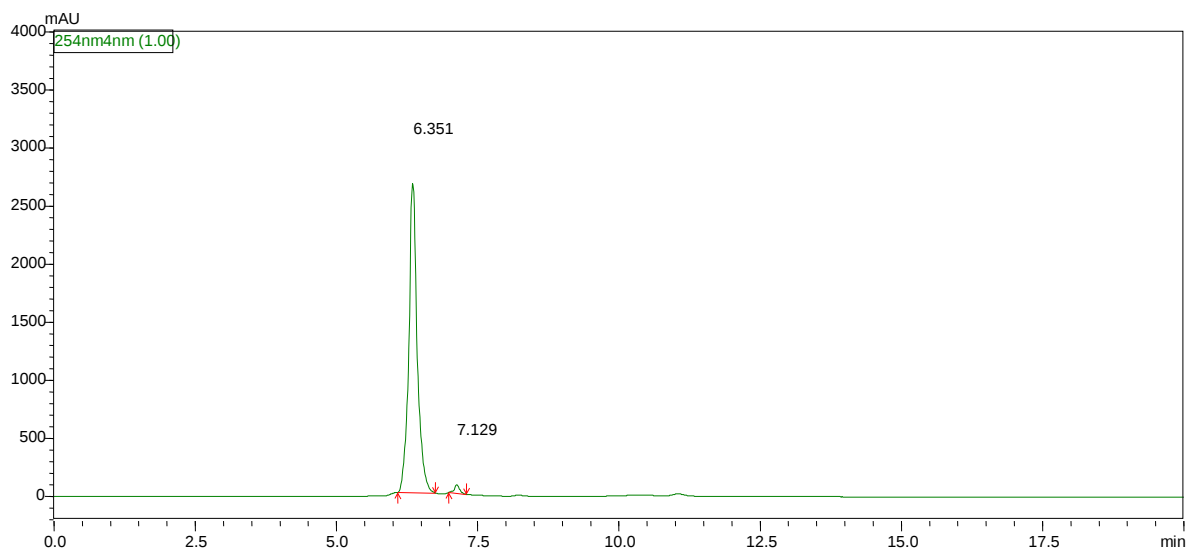


^1H NMR Spectrum of **8** (300 MHz, $\text{CDCl}_3+\text{DMSO}-d_6$ 295K).



^{13}C NMR Spectrum of **8** (75 MHz $\text{CDCl}_3+\text{DMSO}-d_6$, 295K).

LCMS SPECTRUM OF COMPOUND 8



Instrument : LCMS-2020 SHIMADZU

Software : Lab Solutions(5.41.240 Version)

Sample Code : GVM-3P-VAL-I

Mobile Phase : Acetonitrile:Ammonium acetate(Ph 5.0) (70:30)

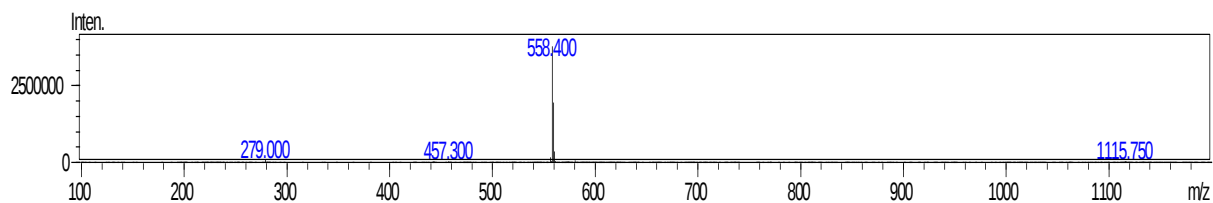
Column : Waters XBridge -C 18

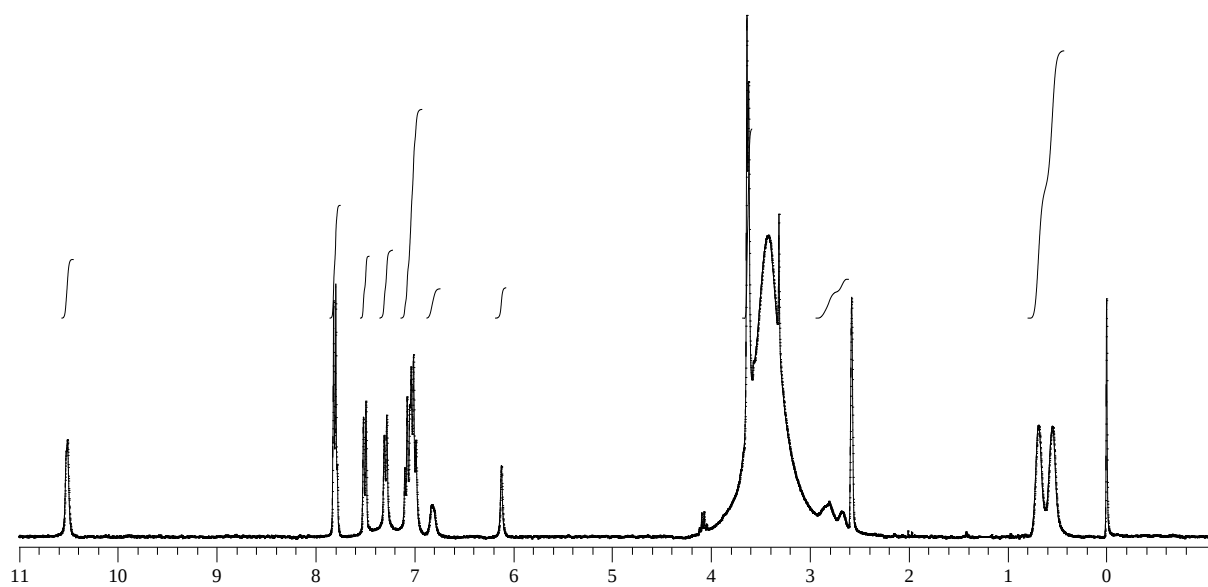
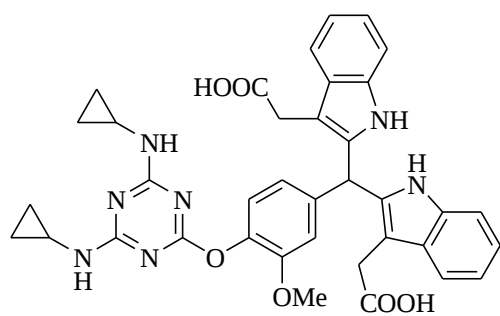
Column Size : 4.6x150 mm

Particle Size : 3.5 μ

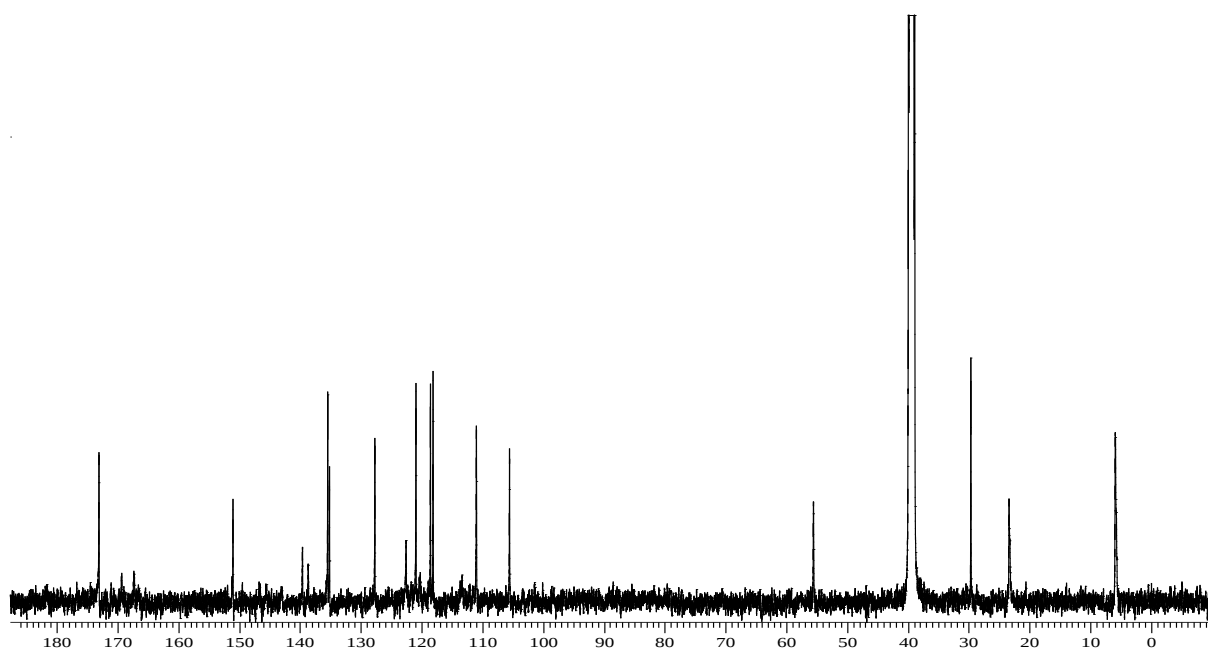
Peak Table :

Peak#	Ret. Time	Area	Height	Area%
1	6.351	27671907	2662823	98.317
2	7.129	473575	73489	1.683
Total		28145482	2736311	100.000



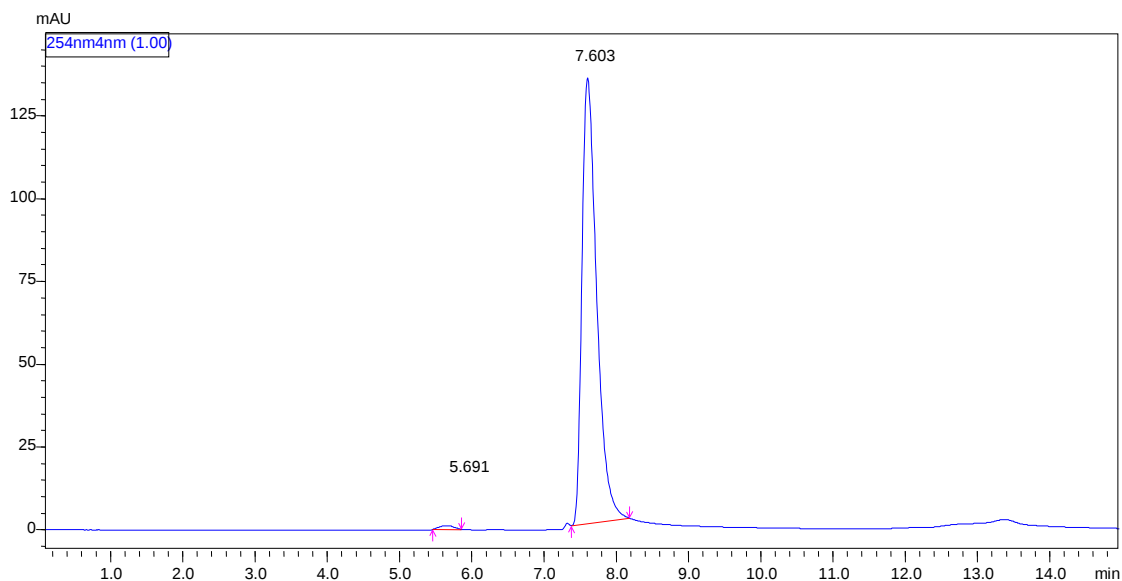


^1H NMR Spectrum of **9** (300 MHz, DMSO- d_6 295K).



^{13}C NMR Spectrum of **9** (75 MHz, DMSO- d_6 , 295K).

LCMS SPECTRUM OF COMPOUND 9



Instrument : LCMS-2020 SHIMADZU

Software : Lab Solutions(5.41.240 Version)

Sample Code : GVM-3P-VAL-IAA

Mobile Phase : Acetonitrile:Ammonium acetate(Ph 5.0) (70:30)

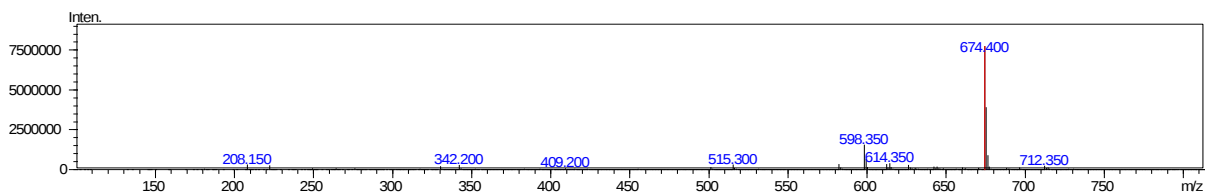
Column : Waters XBridge -C 18

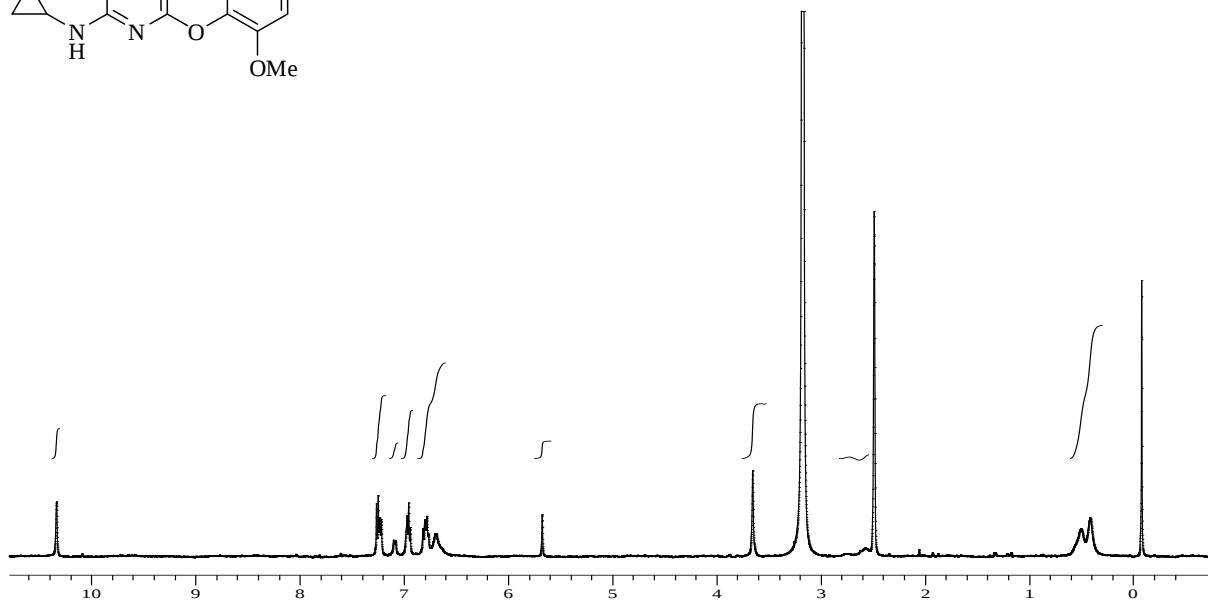
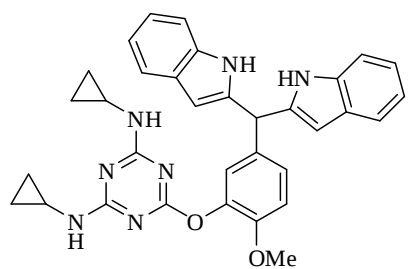
Column Size : 4.6x150 mm

Particle Size : 3.5 μ

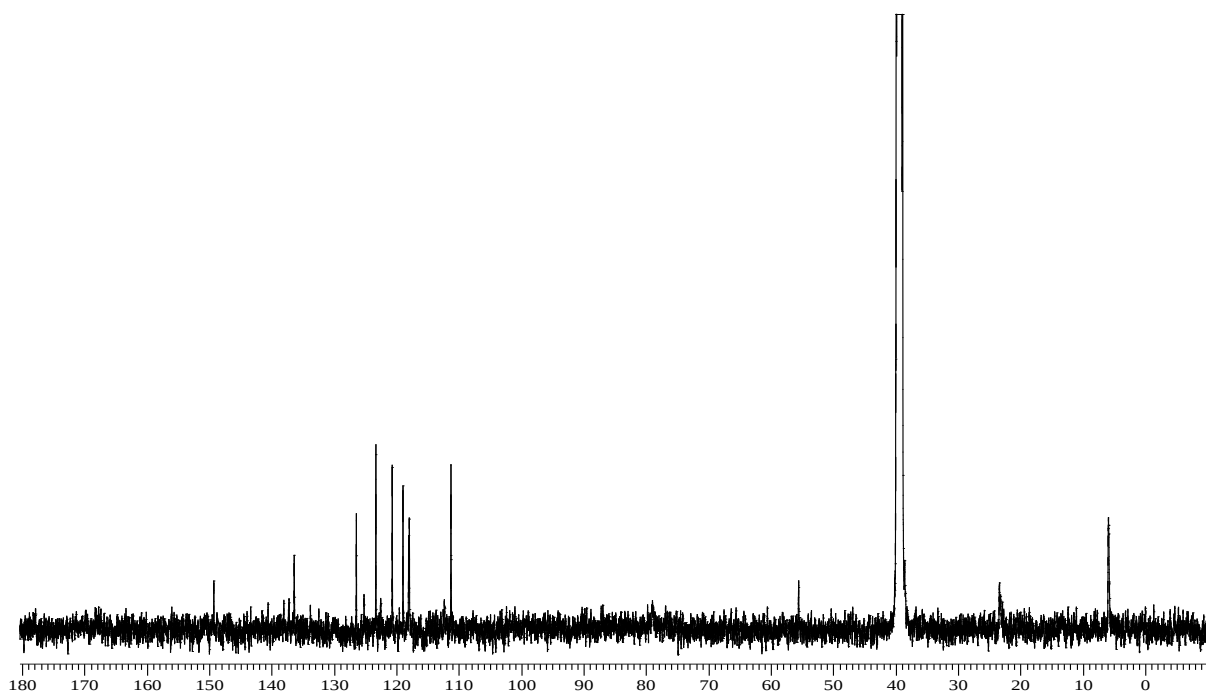
Peak Table :

Peak#	Ret. Time	Area	Height	Area%
1	5.691	14950	1043	0.777
2	7.603	1910147	134656	99.223
Total		1925097	135700	100.000



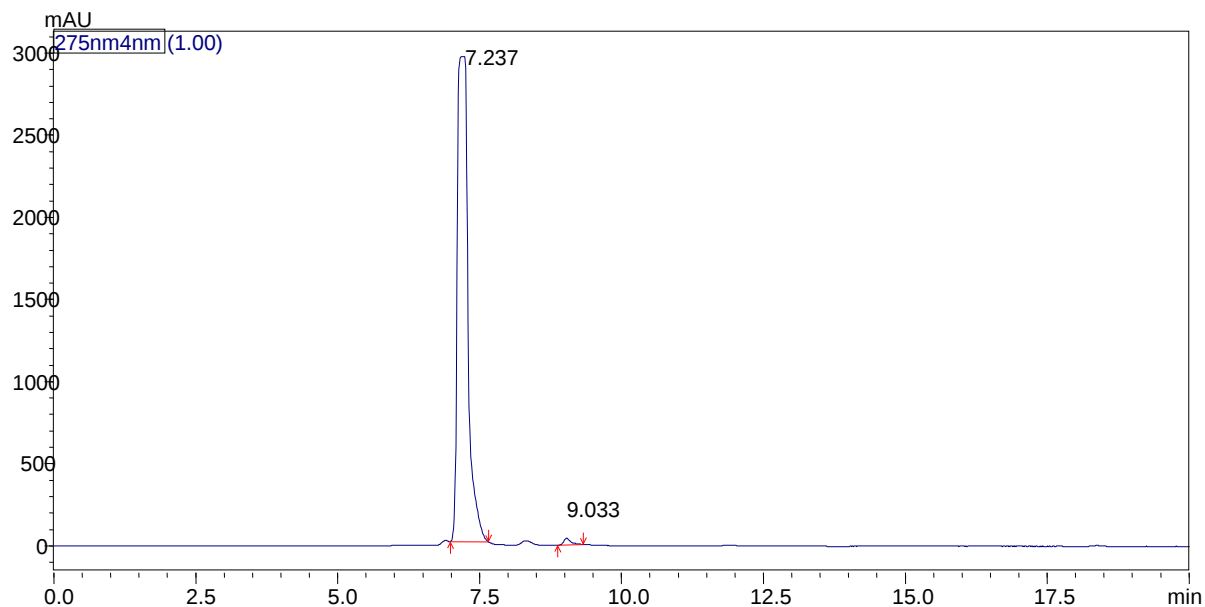


^1H NMR Spectrum of **10** (300 MHz, $\text{DMSO}-d_6$, 295K).



^{13}C NMR Spectrum of **10** (75 MHz, $\text{DMSO}-d_6$, 295K).

LCMS SPECTRUM OF COMPOUND 10



Instrument : LCMS-2020 SHIMADZU

Software : Lab Solutions(5.41.240 Version)

Sample Code : GVM-3P-ISO-I

Mobile Phase : Acetonitrile:Ammonium acetate(Ph 5.0) (70:30)

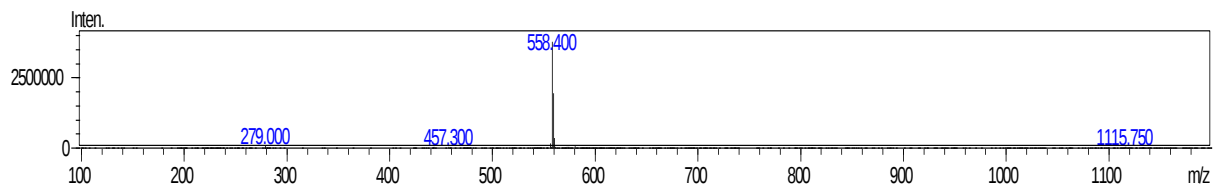
Column : Waters XBridge -C 18

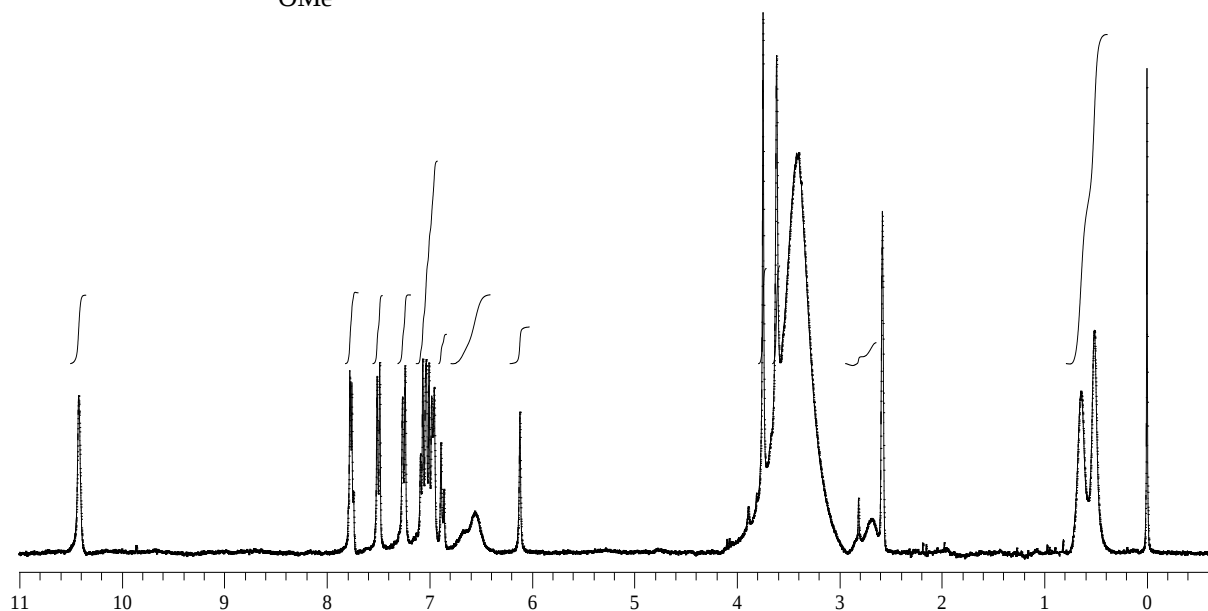
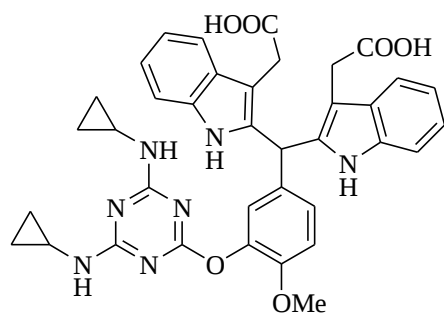
Column Size : 4.6x150 mm

Particle Size : 3.5 μ

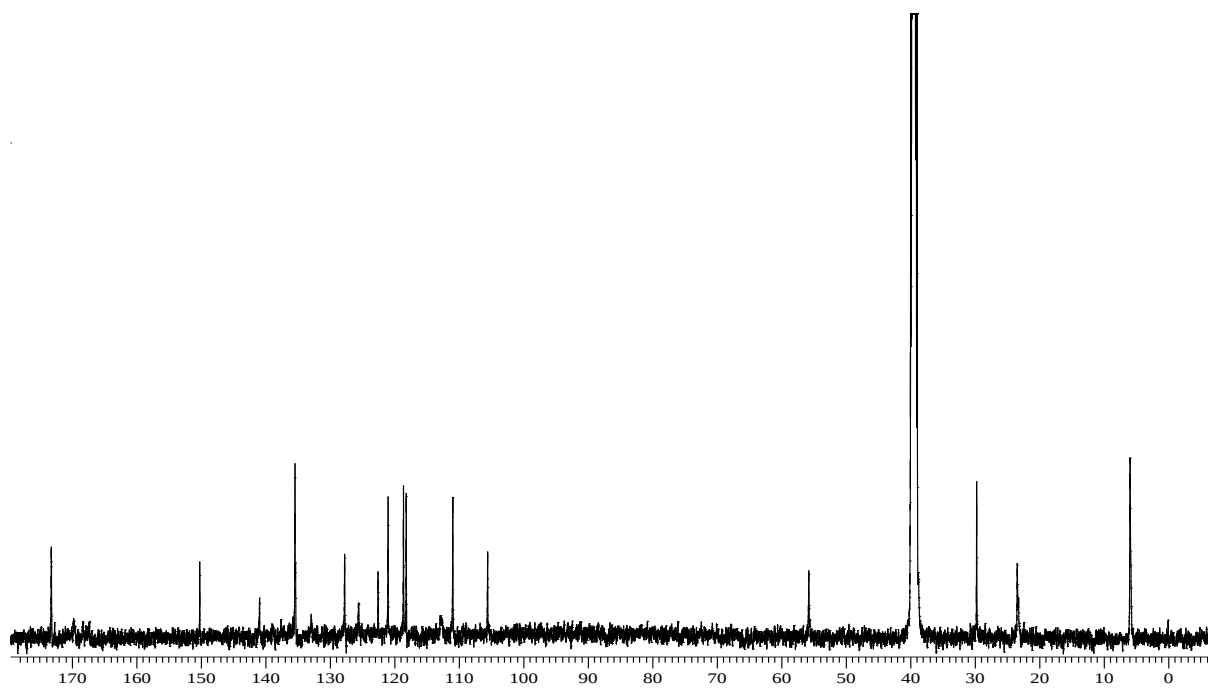
Peak Table :

Peak#	Ret. Time	Area	Height	Area%
1	7.237	38746885	2954798	99.094
2	9.033	354087	40737	0.906
Total		39100972	2995535	100.000



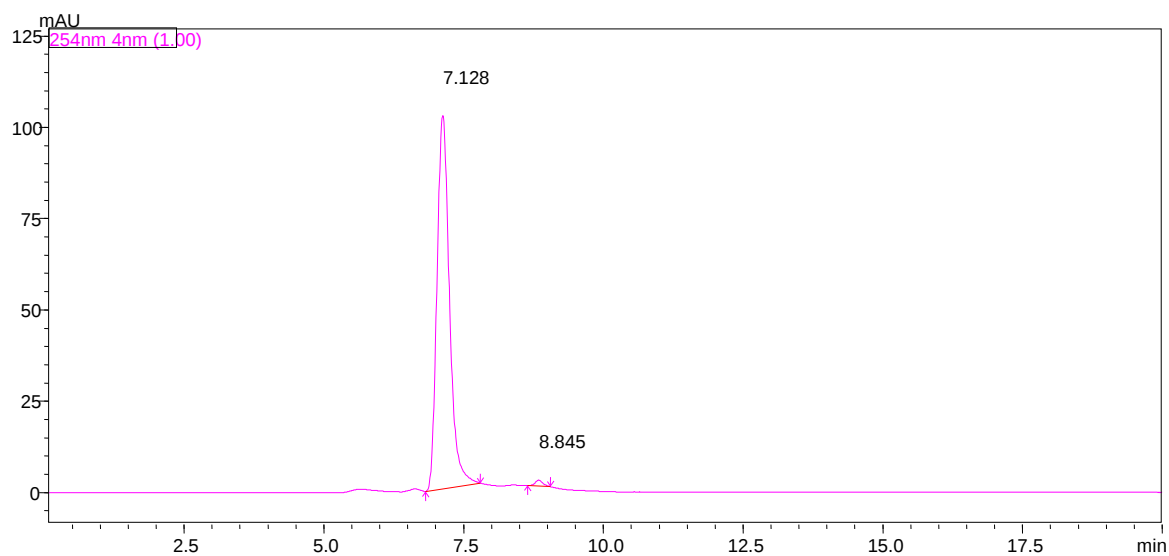


^1H NMR Spectrum of **11** (500 MHz, DMSO- d_6 295K).



^{13}C NMR Spectrum of **11** (75 MHz, DMSO- d_6 , 295K).

LCMS SPECTRUM OF COMPOUND 11



Instrument : LCMS-2020 SHIMADZU

Software : Lab Solutions(5.41.240 Version)

Sample Code : GVM-3P-ISO-IAA

Mobile Phase : Acetonitrile:Ammonium acetate(Ph 5.0) (70:30)

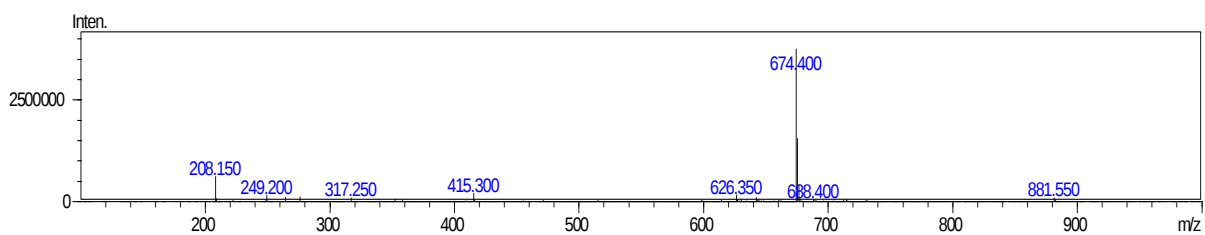
Column : Waters XBridge -C 18

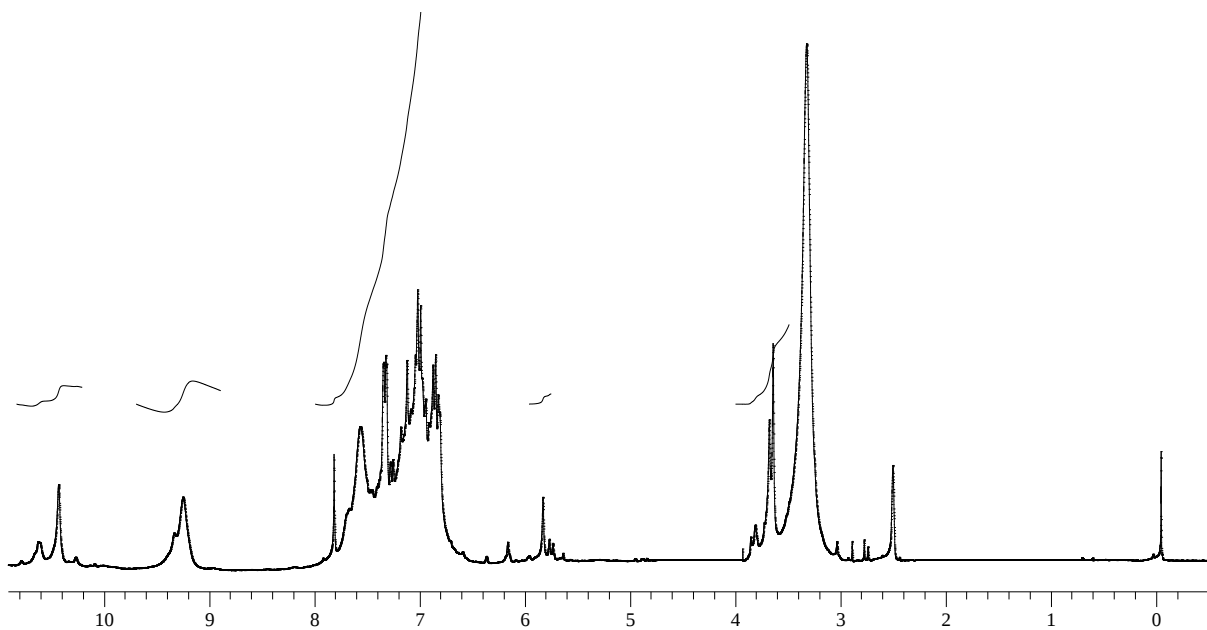
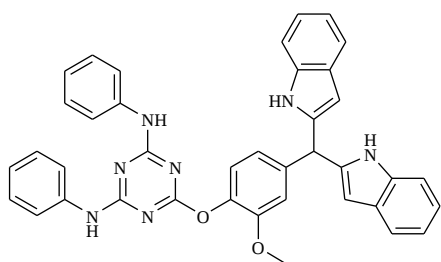
Column Size : 4.6x150 mm

Particle Size : 3.5 μ

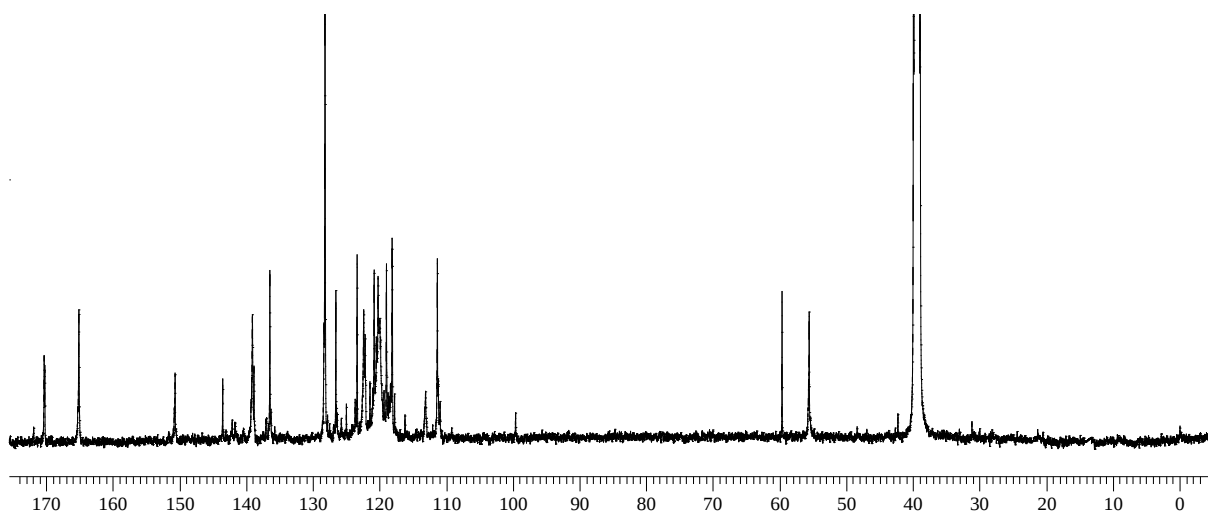
Peak Table :

Peak#	Ret. Time	Area	Height	Area%
1	7.128	1600862	102275	99.035
2	8.845	15593	1642	0.965
Total		1616455	103917	100.000



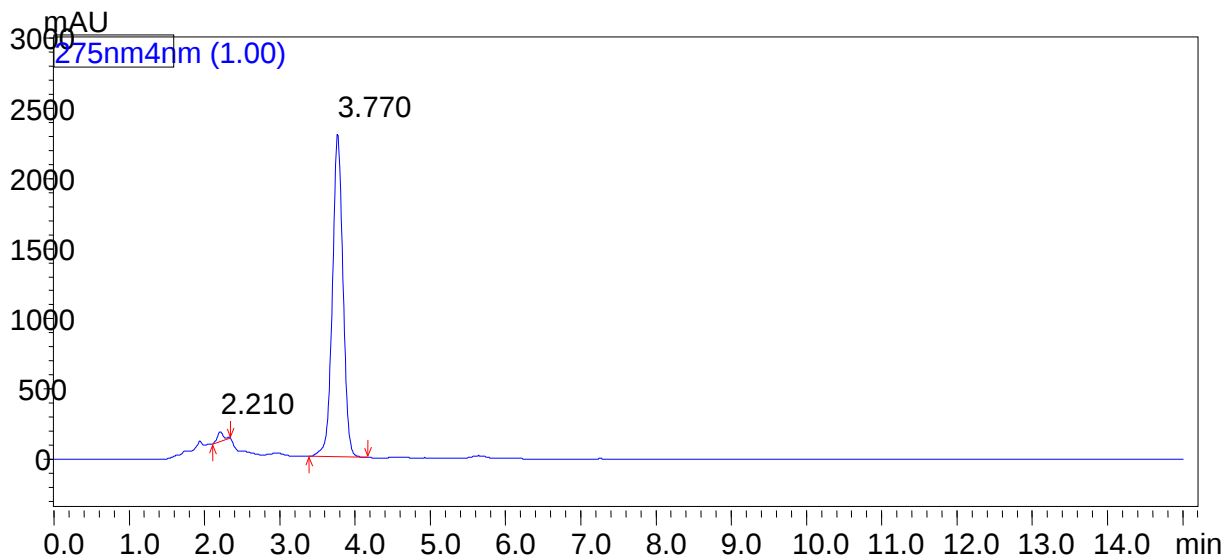


^1H NMR Spectrum of **12** (300 MHz, $\text{DMSO}-d_6 + \text{CDCl}_3$ 295K).



^{13}C NMR Spectrum of **12** (300 MHz, $\text{DMSO}-d_6$ 295K).

LCMS SPECTRUM OF COMPOUND 12



Instrument : LCMS-2020 SHIMADZU

Software : Lab Solutions(5.41.240 Version)

Sample Code : PRK-M

Mobile Phase : Acetonitrile:Ammonium acetate(Ph 5.0) (70:30)

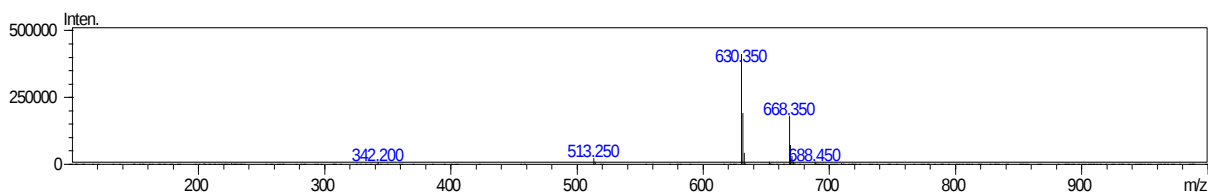
Column : Waters XBridge -C 18

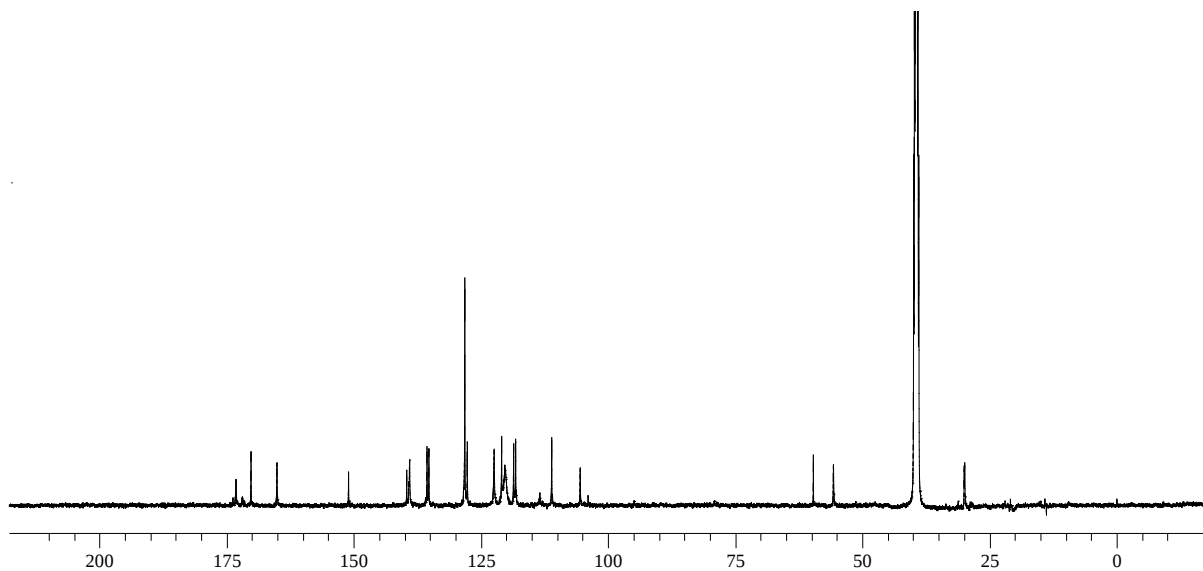
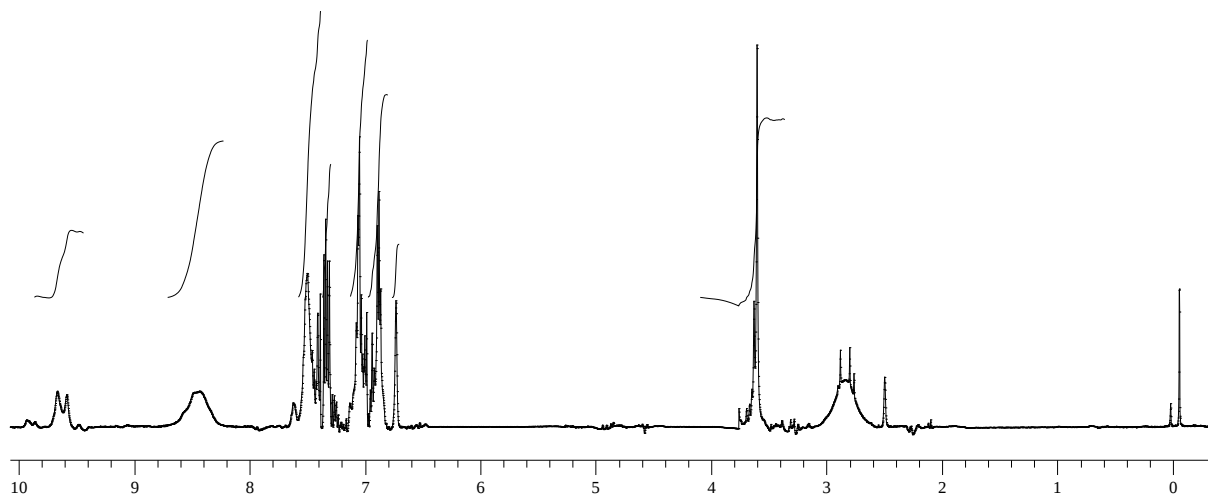
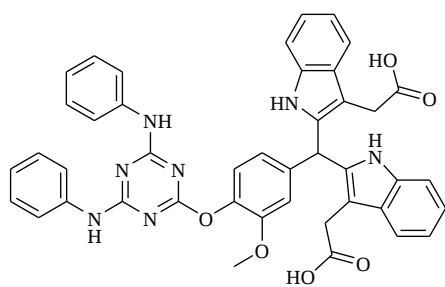
Column Size : 4.6x150 mm

Particle Size : 3.5 μ

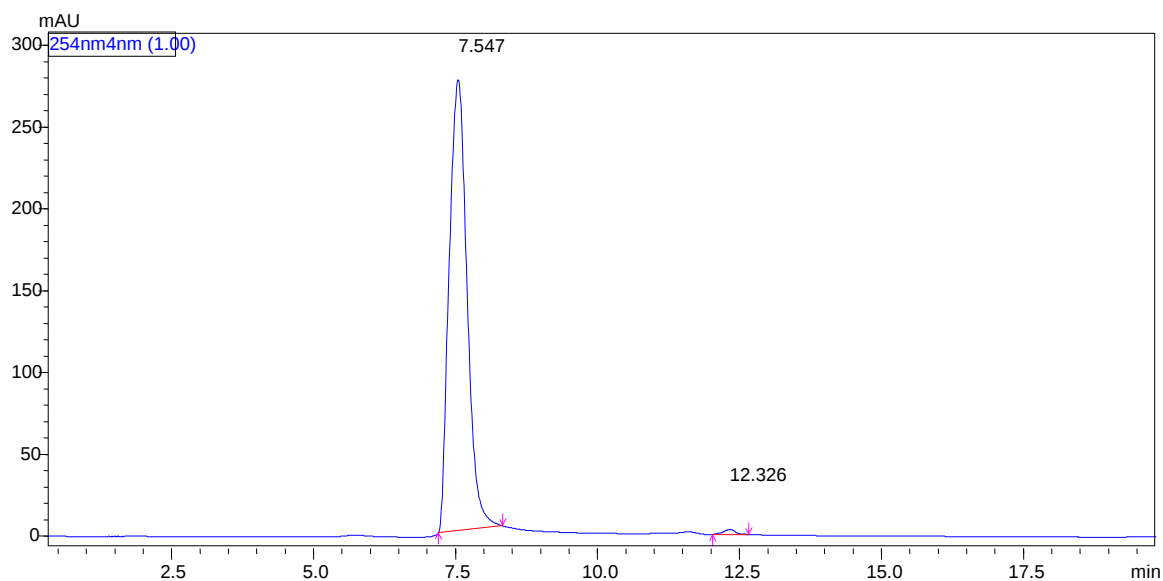
Peak Table :

Peak#	Ret. Time	Area	Height	Area%
1	2.210	417659	68739	1.824
2	3.770	22483779	2297178	98.176
Total		22901439	2365917	100.000





LCMS SPECTRUM OF COMPOUND 13



Instrument : LCMS-2020 SHIMADZU

Software : Lab Solutions(5.41.240 Version)

Sample Code : PRK-S-ACID

Mobile Phase : Acetonitrile:Ammonium acetate(Ph 5.0) (70:30)

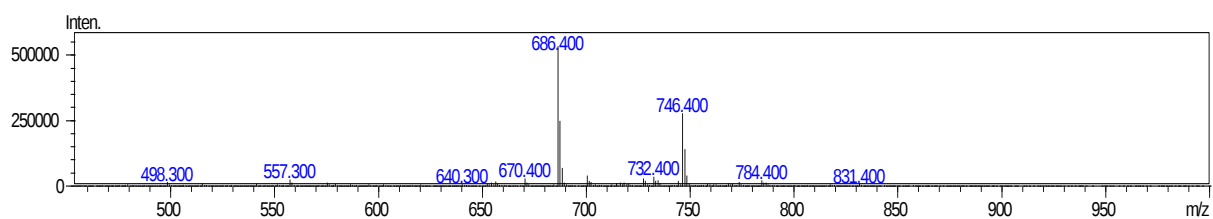
Column : Waters XBridge -C 18

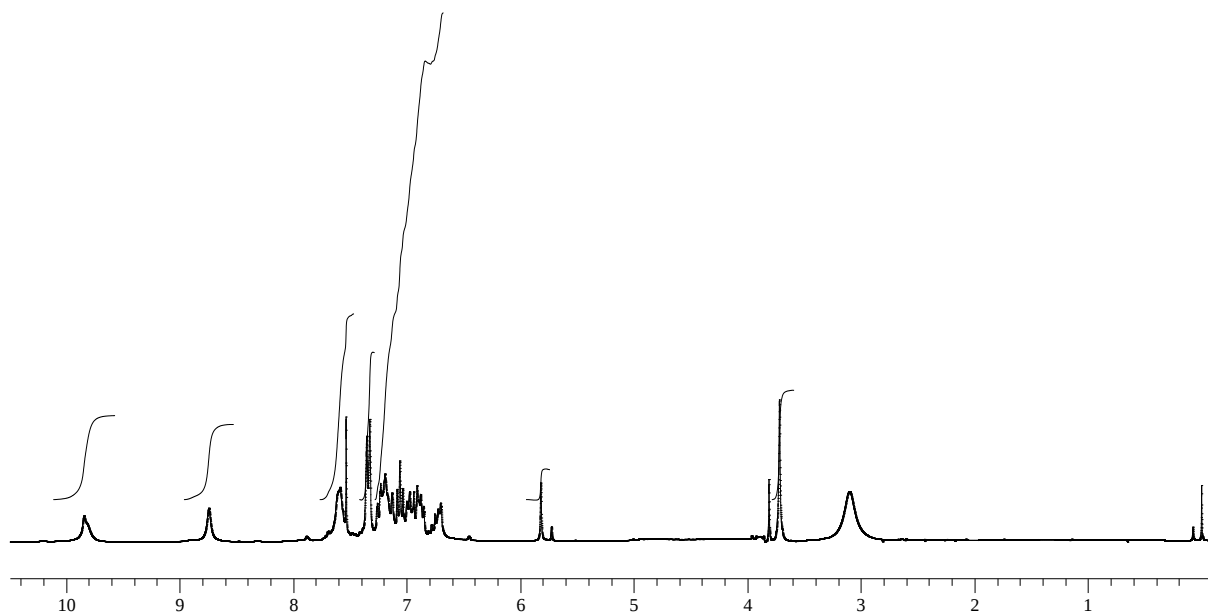
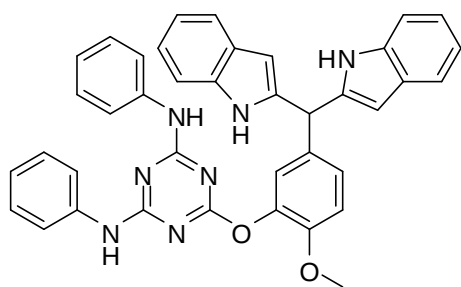
Column Size : 4.6x150 mm

Particle Size : 3.5 μ

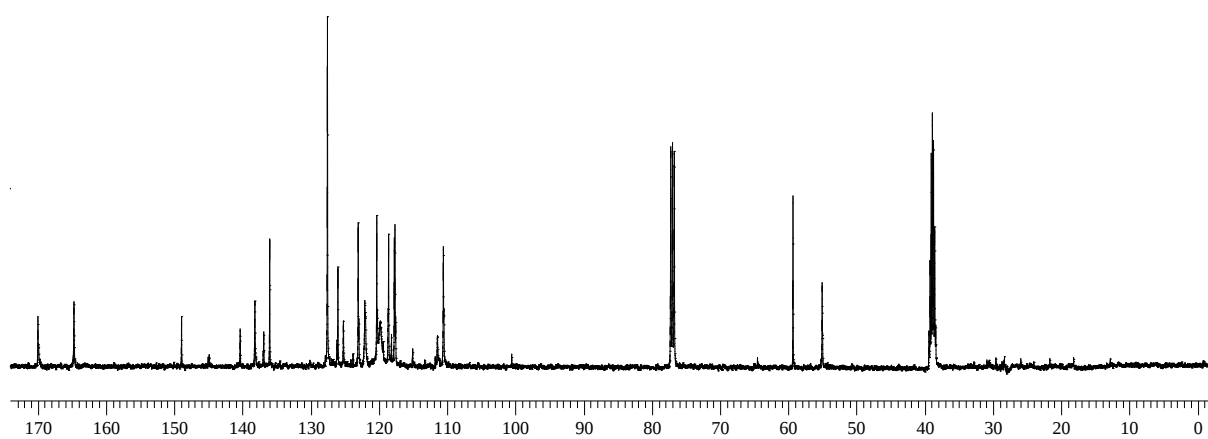
Peak Table :

Peak#	Ret. Time	Area	Height	Area%
1	7.547	6012834	275421	99.248
2	12.326	45532	3095	0.752
Total		6058366	278516	100.000



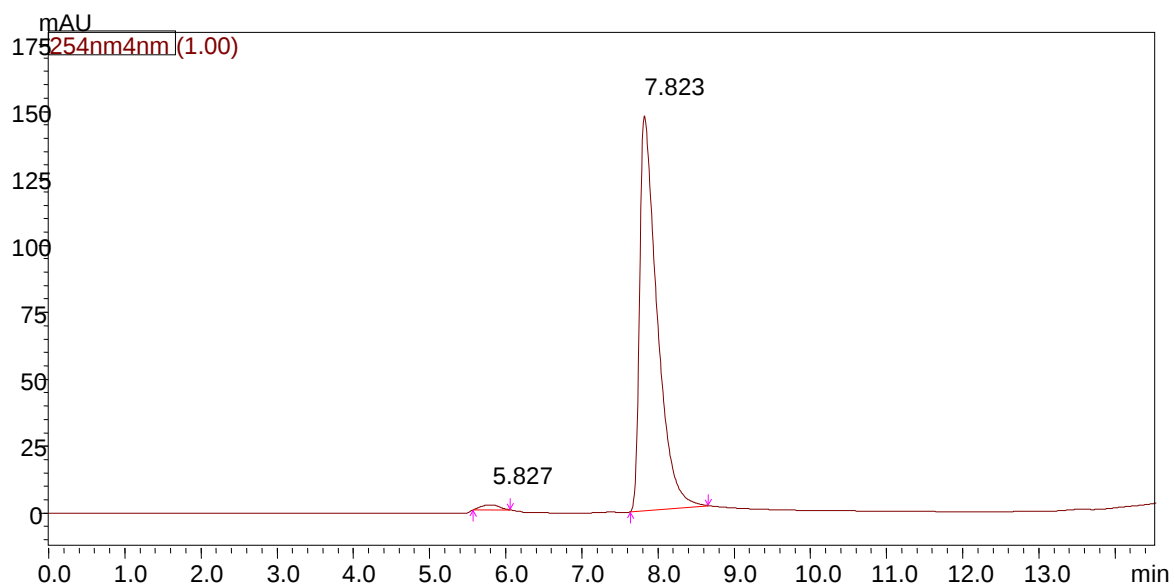


¹H NMR Spectrum of **14** (500 MHz, CDCl₃+DMSO-*d*₆, 295K).



¹³C NMR Spectrum of **14** (75 MHz, CDCl₃+DMSO-*d*₆, 295K).

LCMS SPECTRUM OF COMPOUND 14



: Instrument : LCMS-2020 SHIMADZU

Software : Lab Solutions(5.41.240 Version)

Sample Code : PRK-S-IND

Mobile Phase : Acetonitrile:Ammonium acetate(Ph 5.0) (70:30)

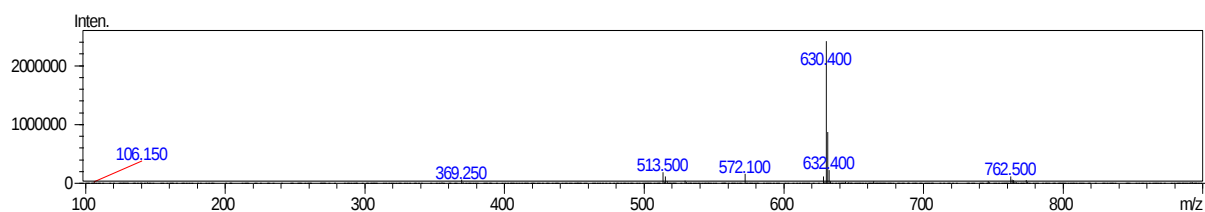
Column : Waters XBridge -C 18

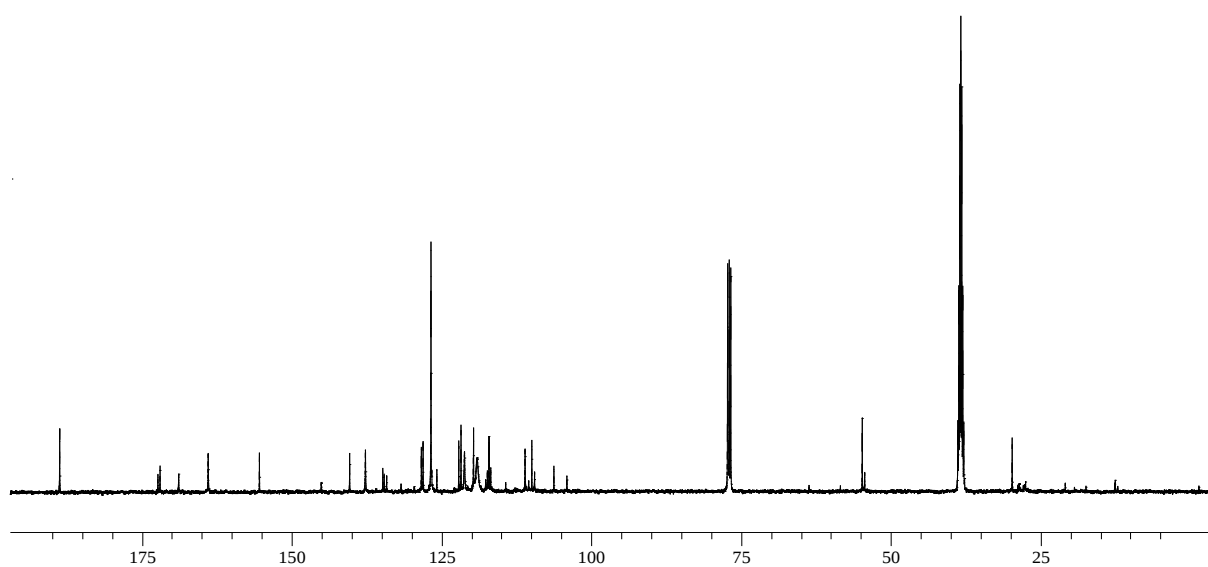
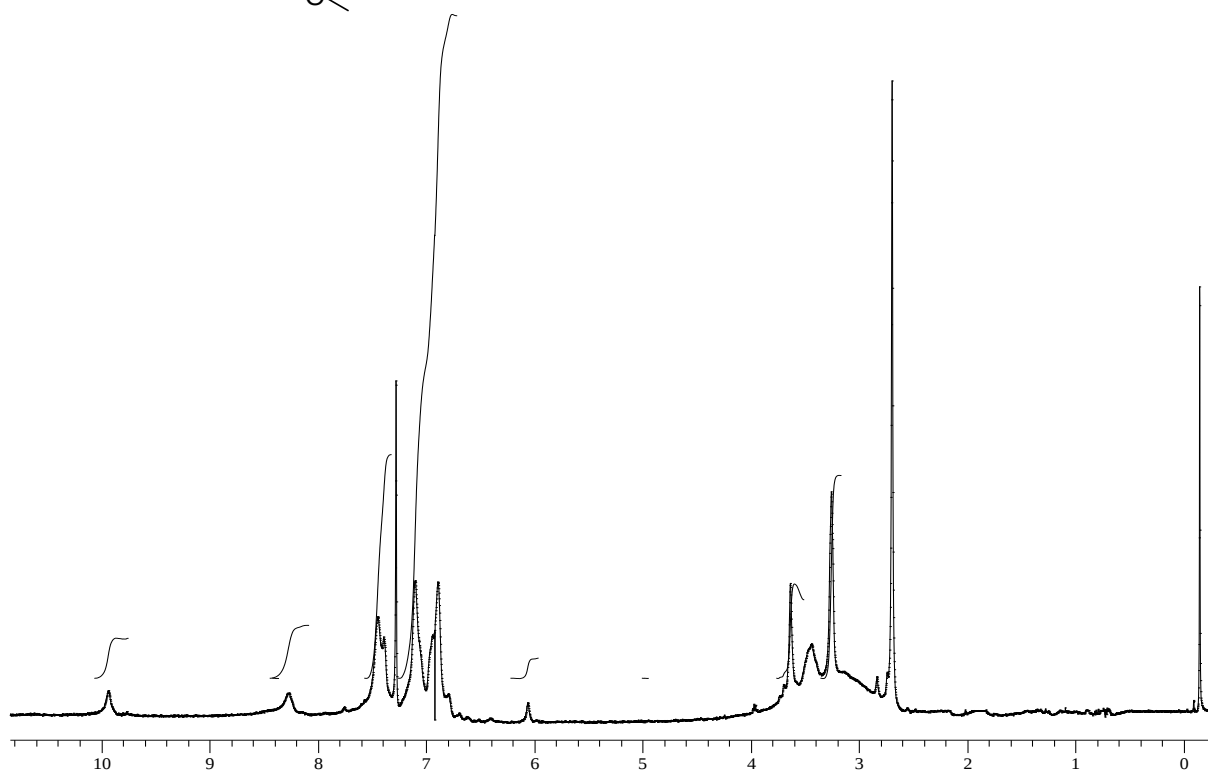
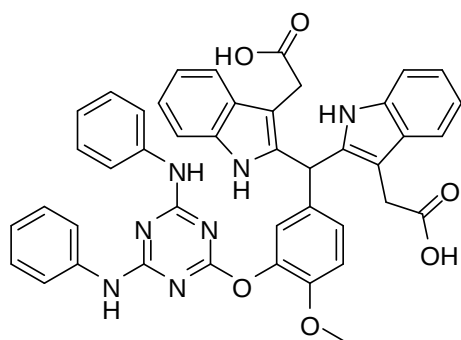
Column Size : 4.6x150 mm

Particle Size : 3.5 μ

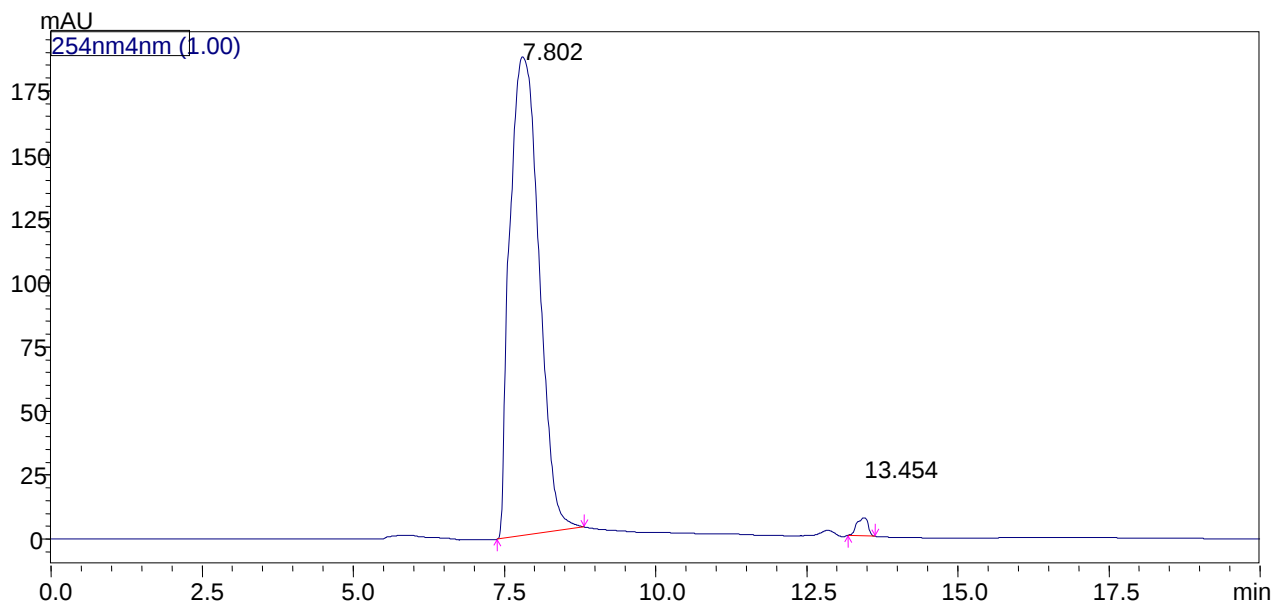
Peak Table :

Peak#	Ret. Time	Area	Height	Area%
1	5.827	31956	1907	1.344
2	7.823	2345812	147466	98.656
Total		2377768	149373	100.000





LCMS SPECTRUM OF COMPOUND 15



Instrument : LCMS-2020 SHIMADZU

Software : Lab Solutions(5.41.240 Version)

Sample Code : PRK-S-M

Mobile Phase : Acetonitrile:Ammonium acetate(Ph 5.0) (70:30)

Column : Waters XBridge -C 18

Column Size : 4.6x150 mm

Particle Size : 3.5 μ

Peak Table :

Peak#	Ret. Time	Area	Height	Area%
1	7.802	6270246	186968	98.590
2	13.454	89697	7012	1.410
Total		6359943	193979	100.000

