

Supporting Information (For Publication in New Journal of Chemistry)

Design, Synthesis, Biological Evaluation and Molecular Modelling Studies of Conophylline Inspired Novel Indolyl Oxoacetamides as Potent Pancreatic Lipase Inhibitors

Sridhar S. N. C., Saksham Palawat, Atish T. Paul.

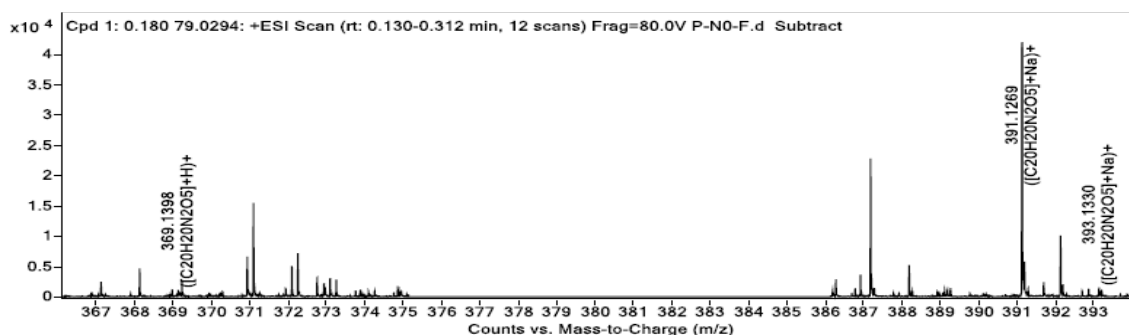
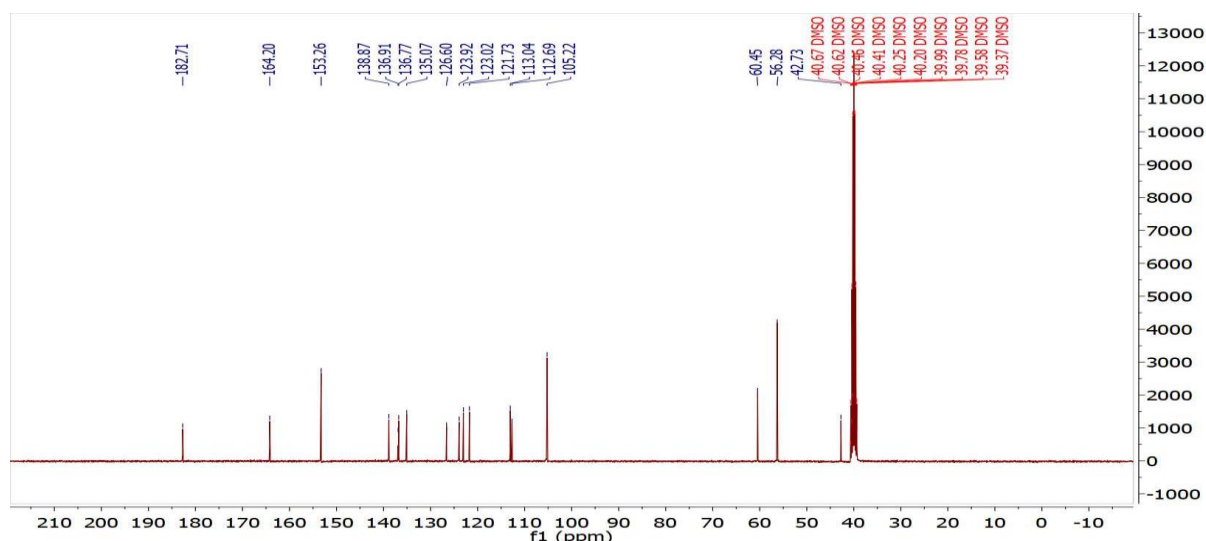
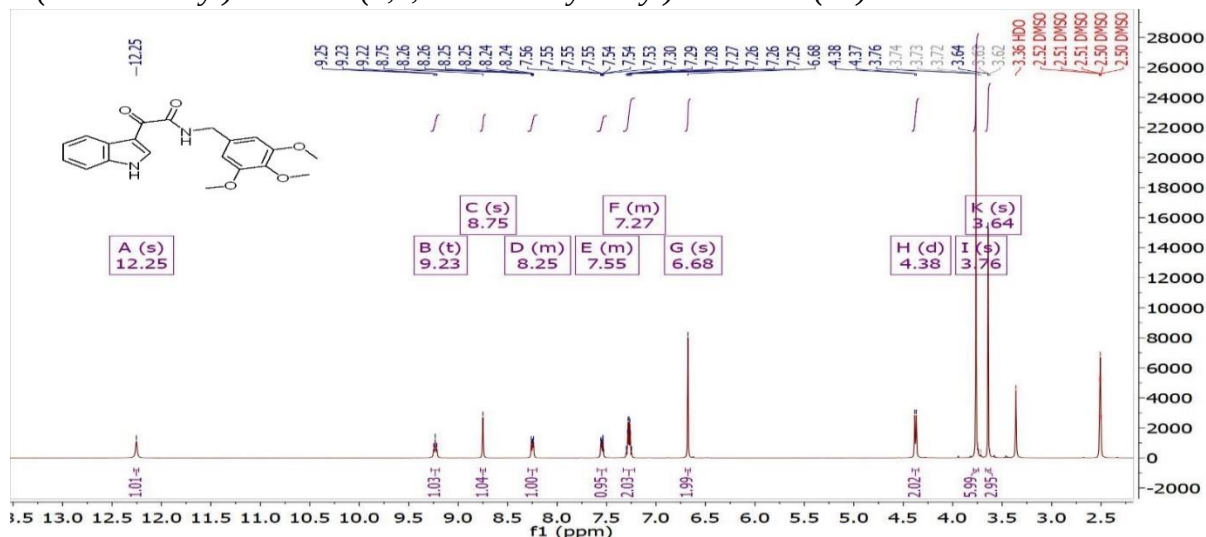
Laboratory of Natural Product Chemistry, Department of Pharmacy, Birla Institute of Technology and Science, Pilani (Pilani campus), Pilani - 333 031, Rajasthan, India.

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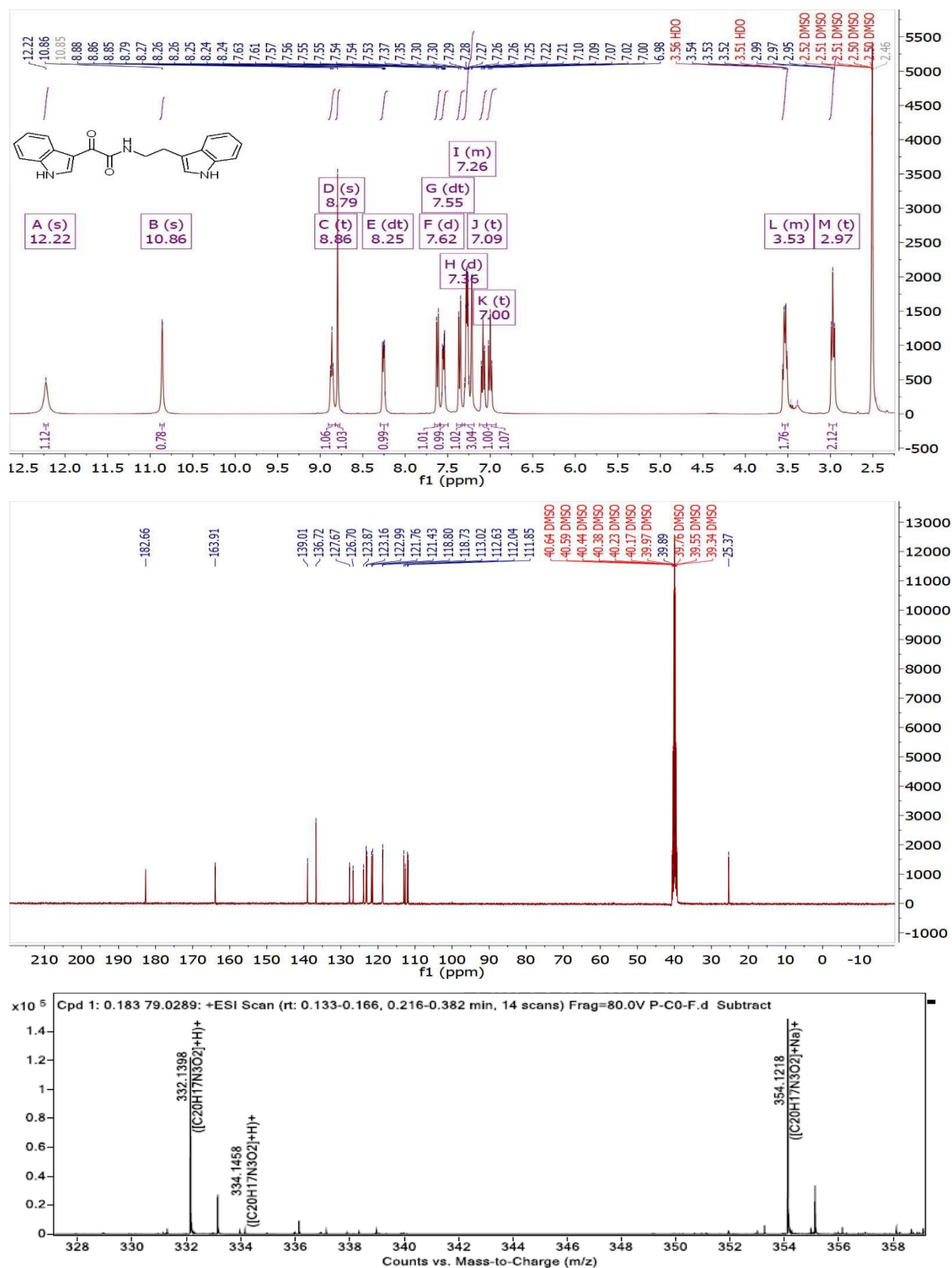
1. ^1H NMR, ^{13}C NMR and HR-MS	1
2. HPLC	21

1. ^1H NMR, ^{13}C NMR and HR-MS

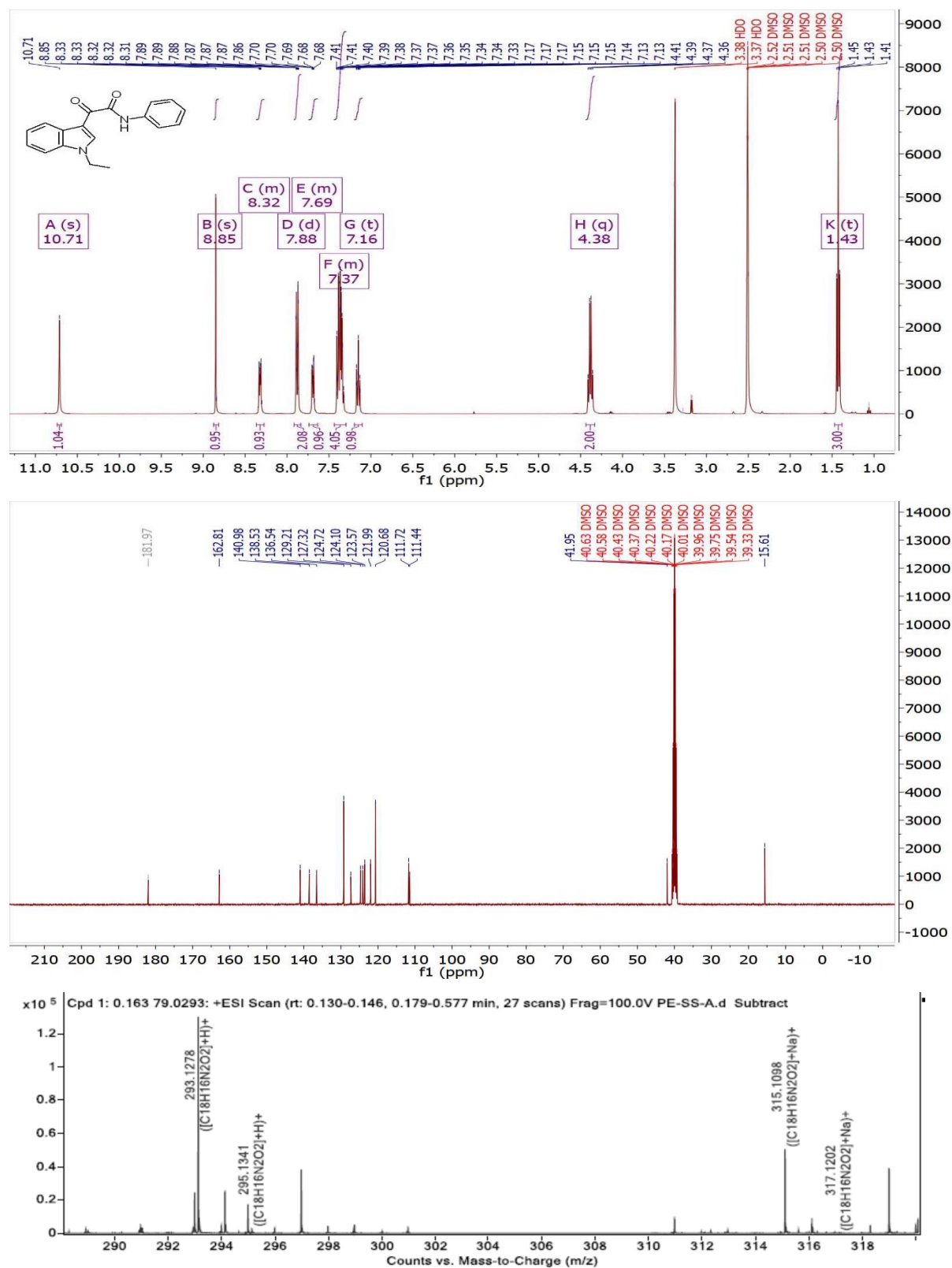
2-(1H-indol-3-yl)-2-oxo-N-(3,4,5-trimethoxybenzyl)acetamide (9a)



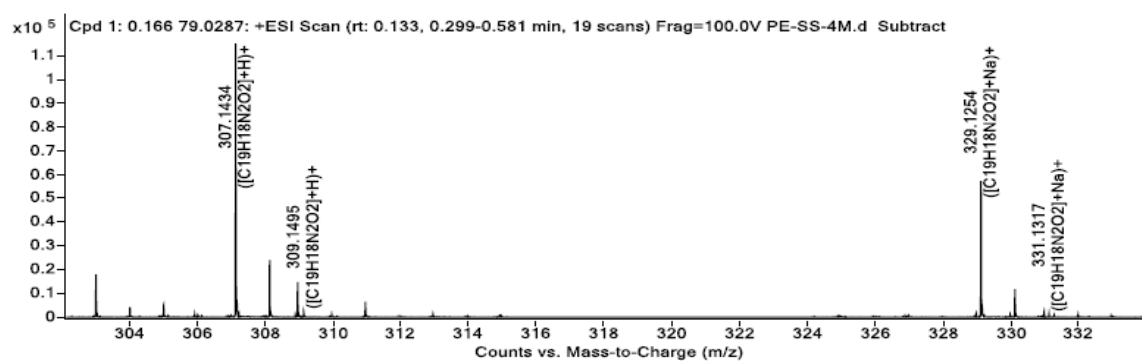
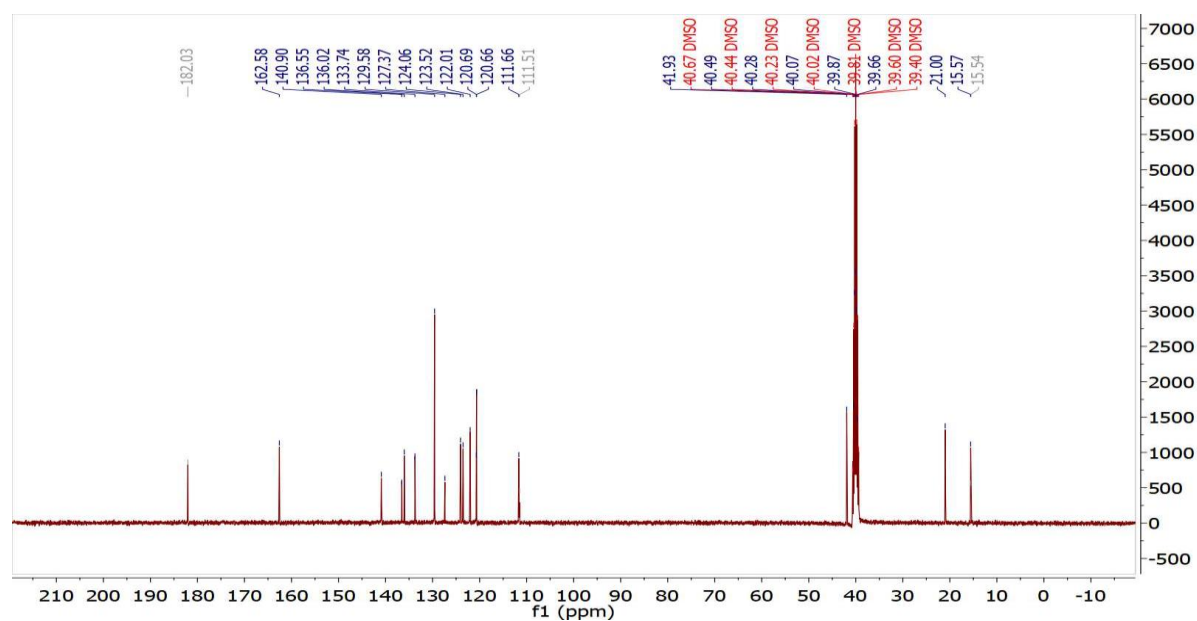
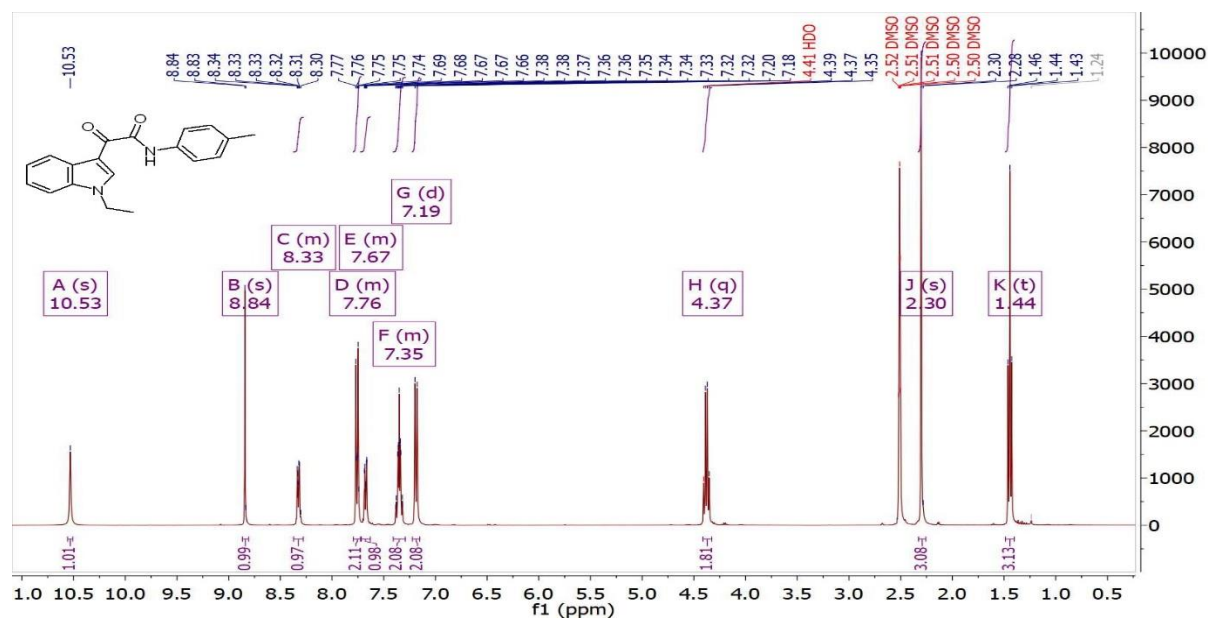
2-(1H-indol-3-yl)-2-oxo-N-(2-(1H-indol-3-yl)ethyl)acetamide (**9b**)



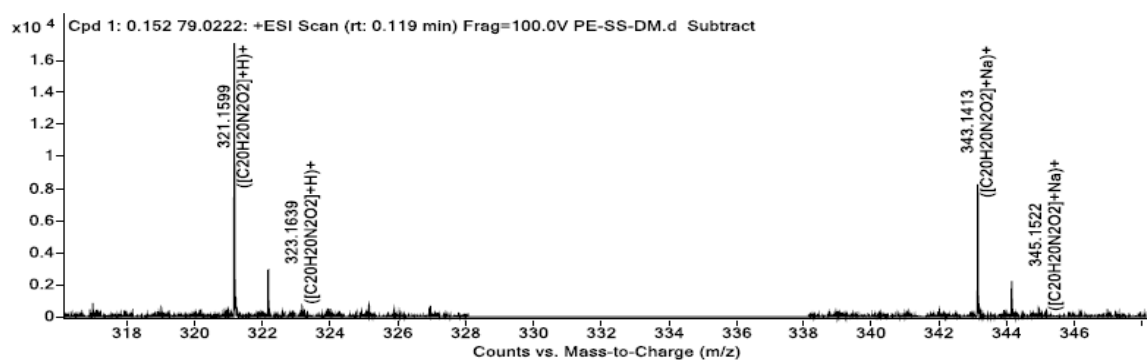
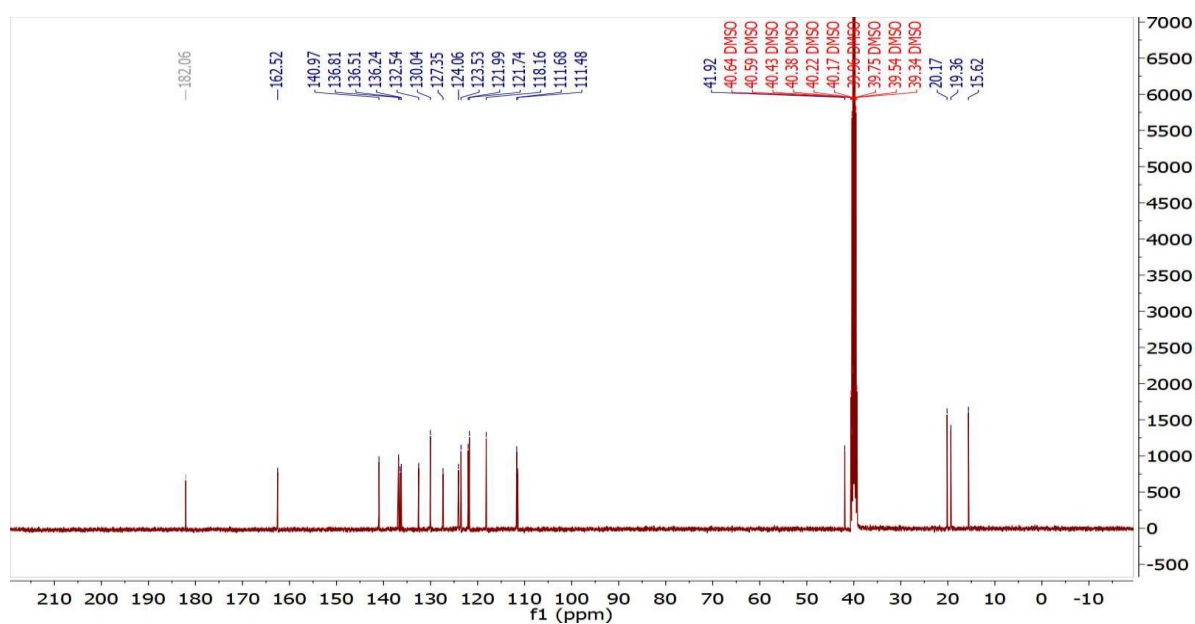
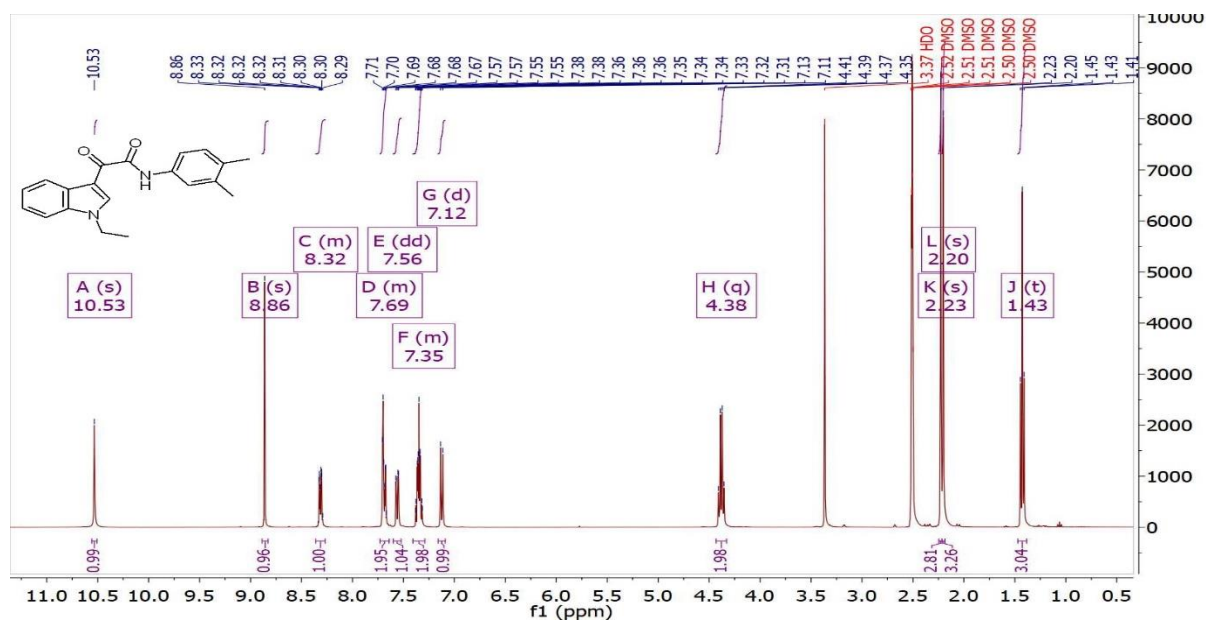
2-(1-ethyl-1H-indol-3-yl)-2-oxo-N-phenylacetamide (**10a**)



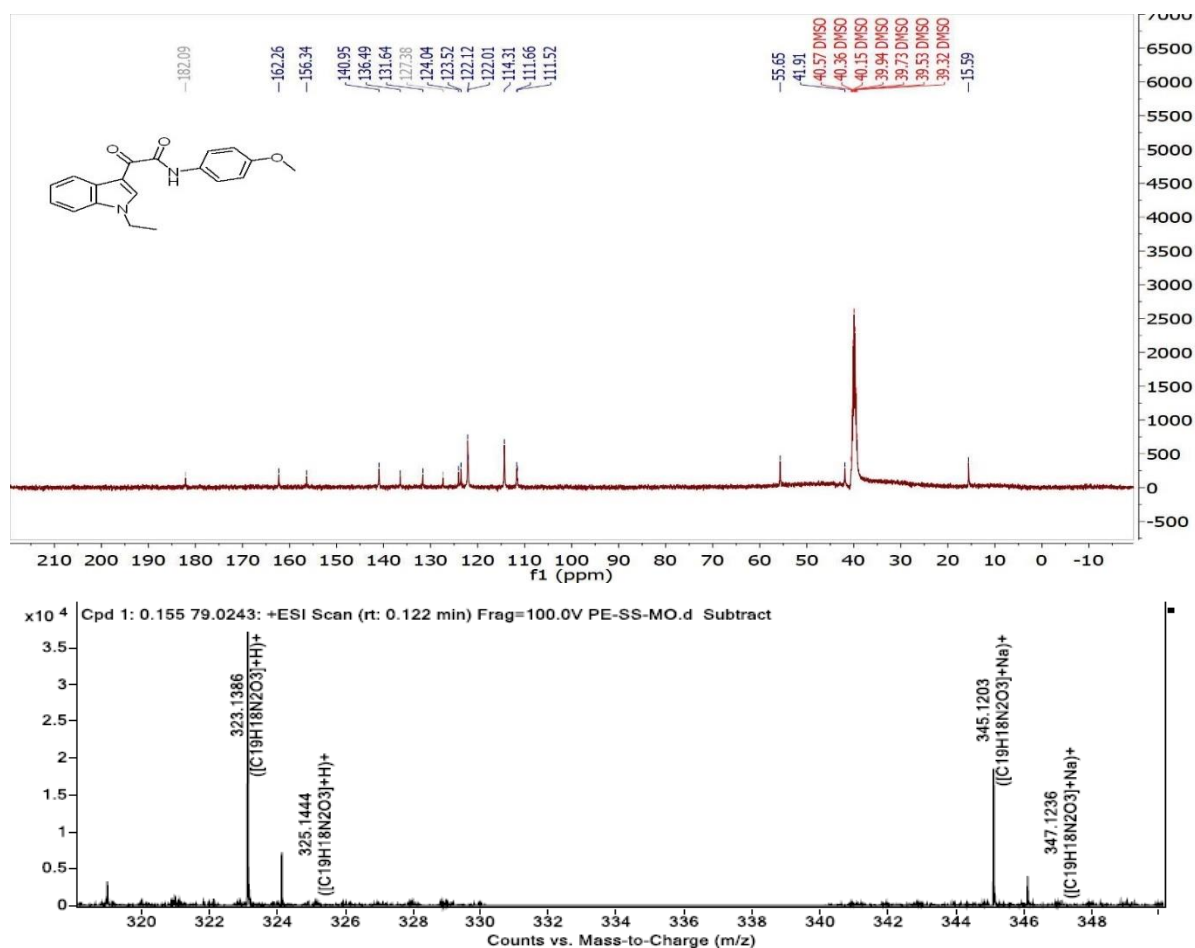
2-(1-ethyl-1H-indol-3-yl)-2-oxo-N-(p-tolyl)acetamide (**10b**)



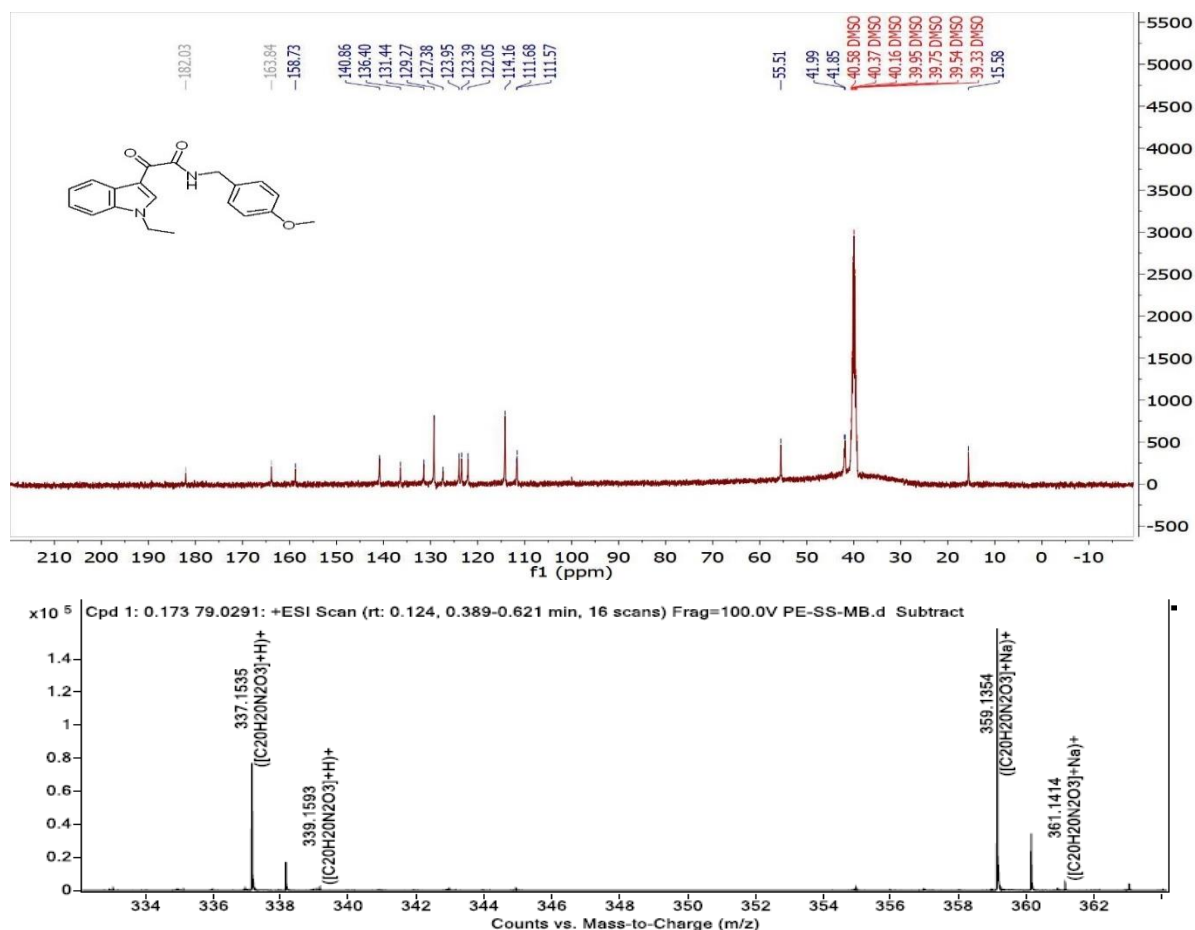
2-(1-ethyl-1H-indol-3-yl)-2-oxo-N-(3,4-dimethylphenyl)acetamide (10c)



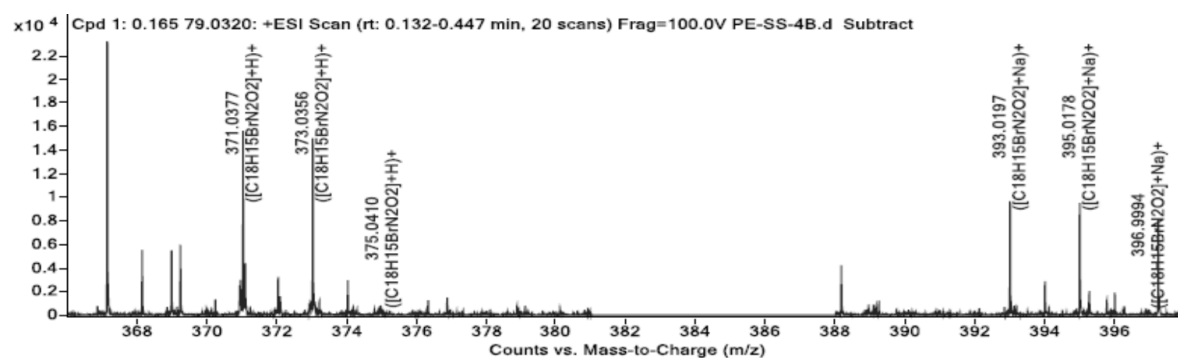
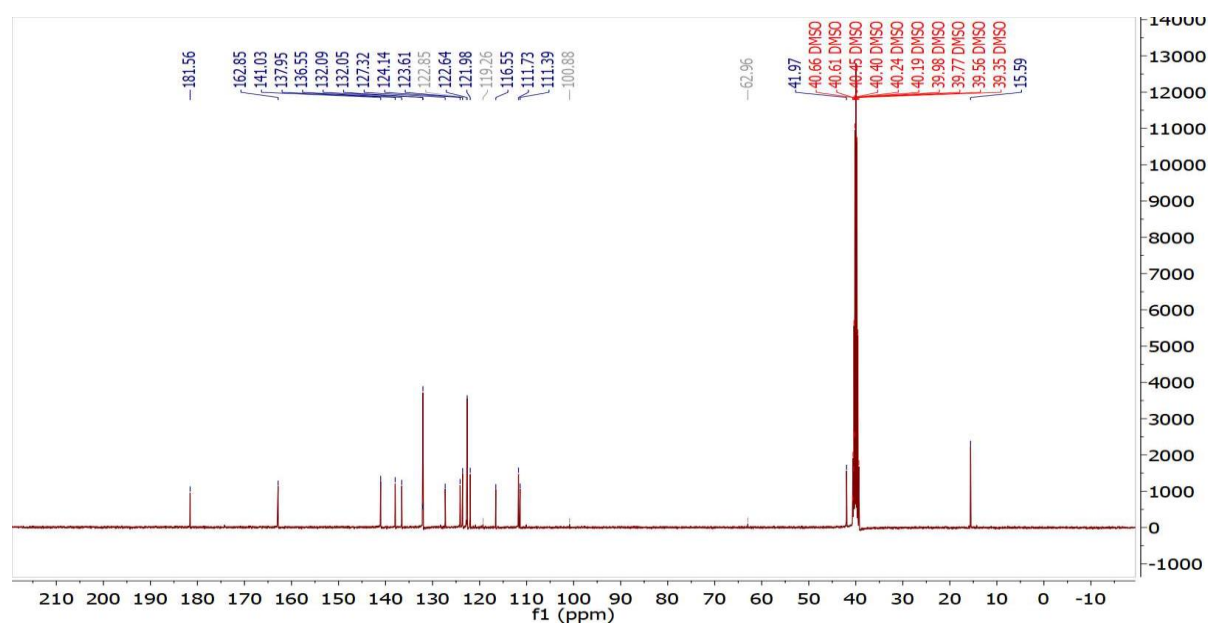
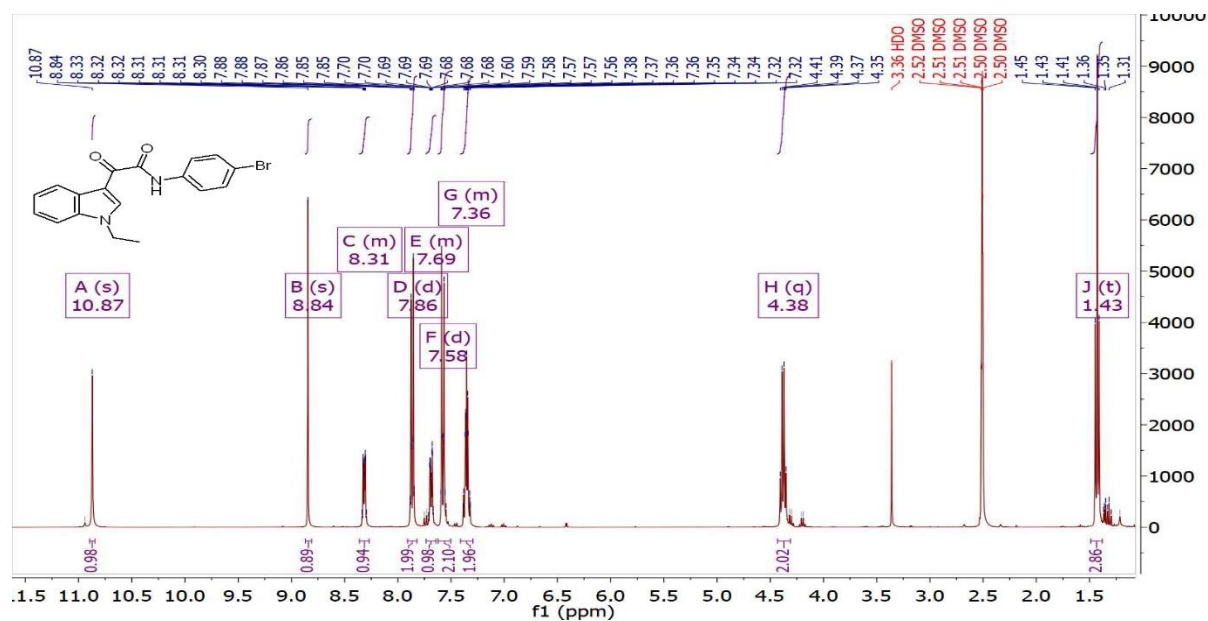
2-(1-ethyl-1H-indol-3-yl)-2-oxo-N-(4-methoxyphenyl)acetamide (**10d**)



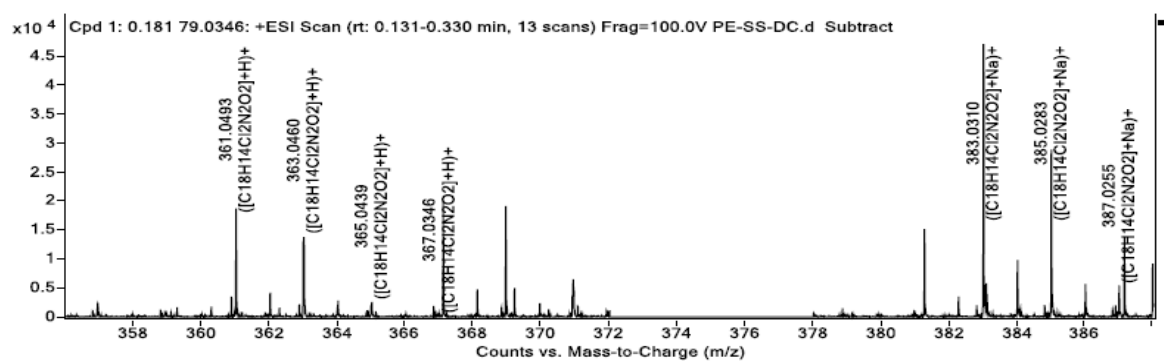
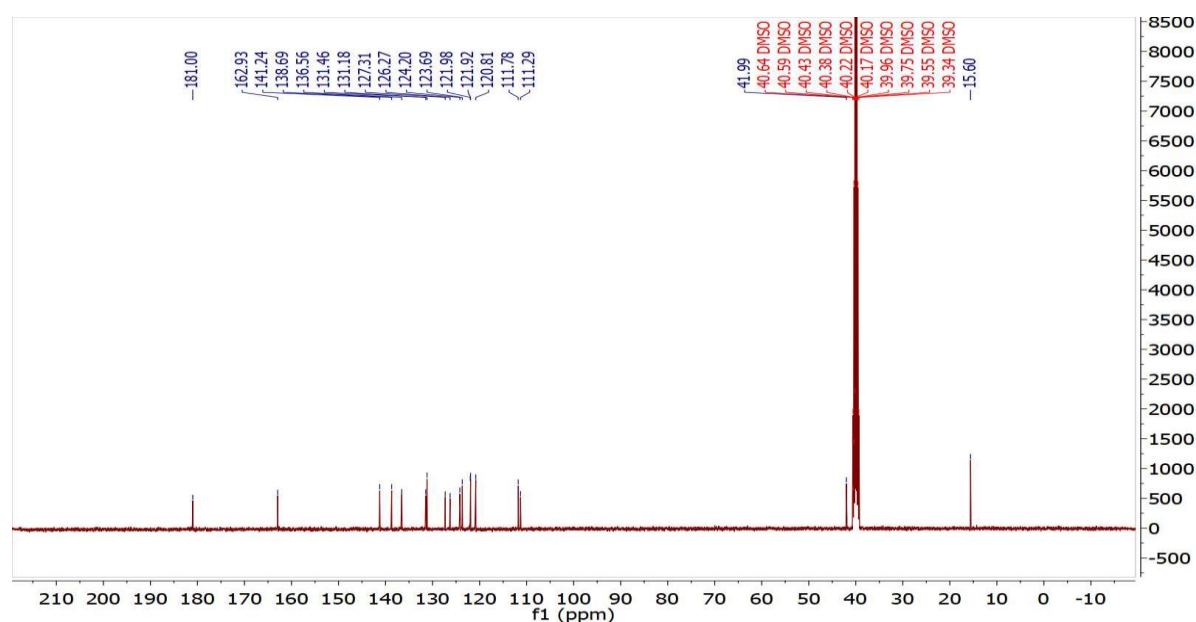
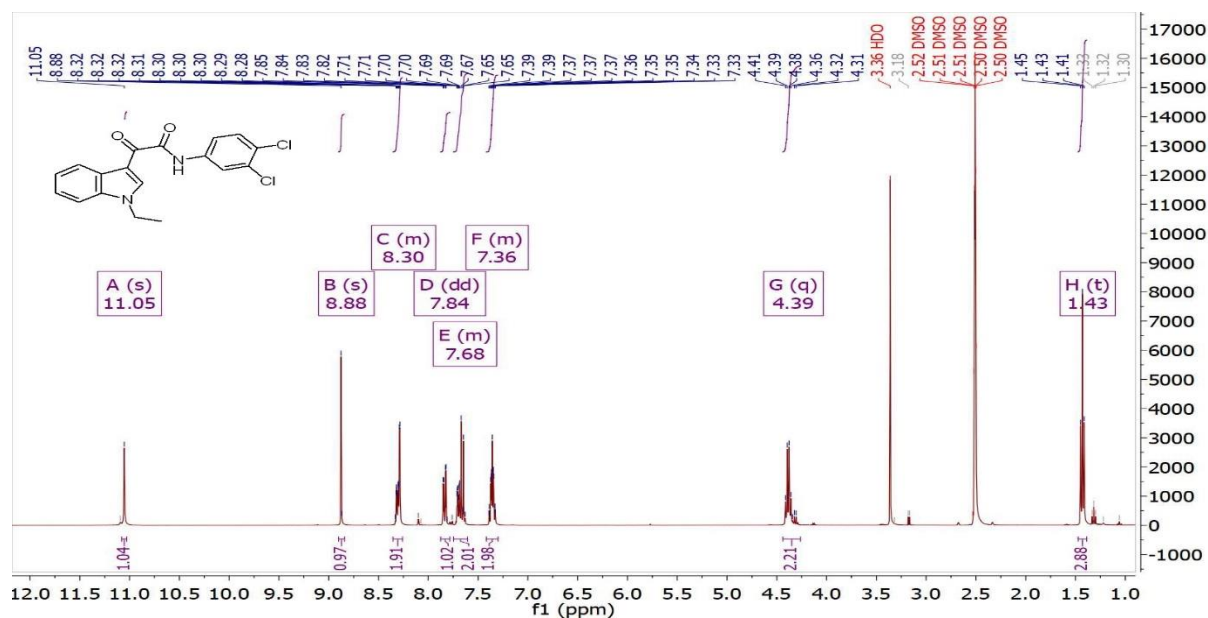
2-(1-ethyl-1H-indol-3-yl)-2-oxo-N-(4-methoxybenzyl)acetamide (**10e**)



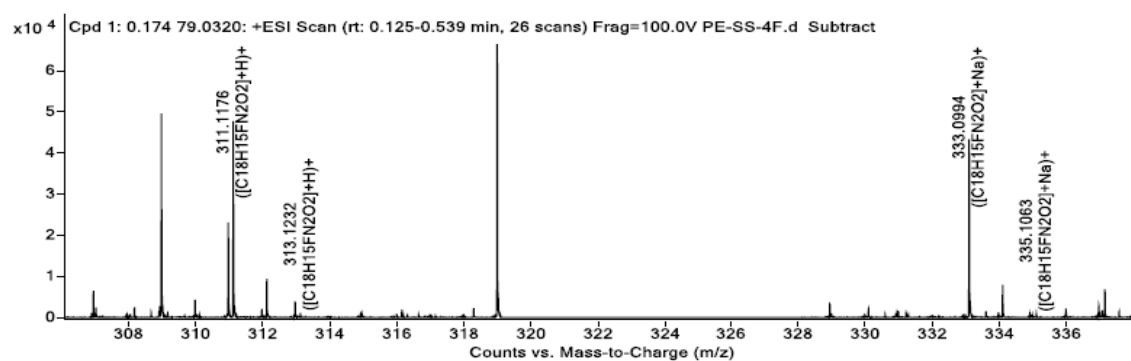
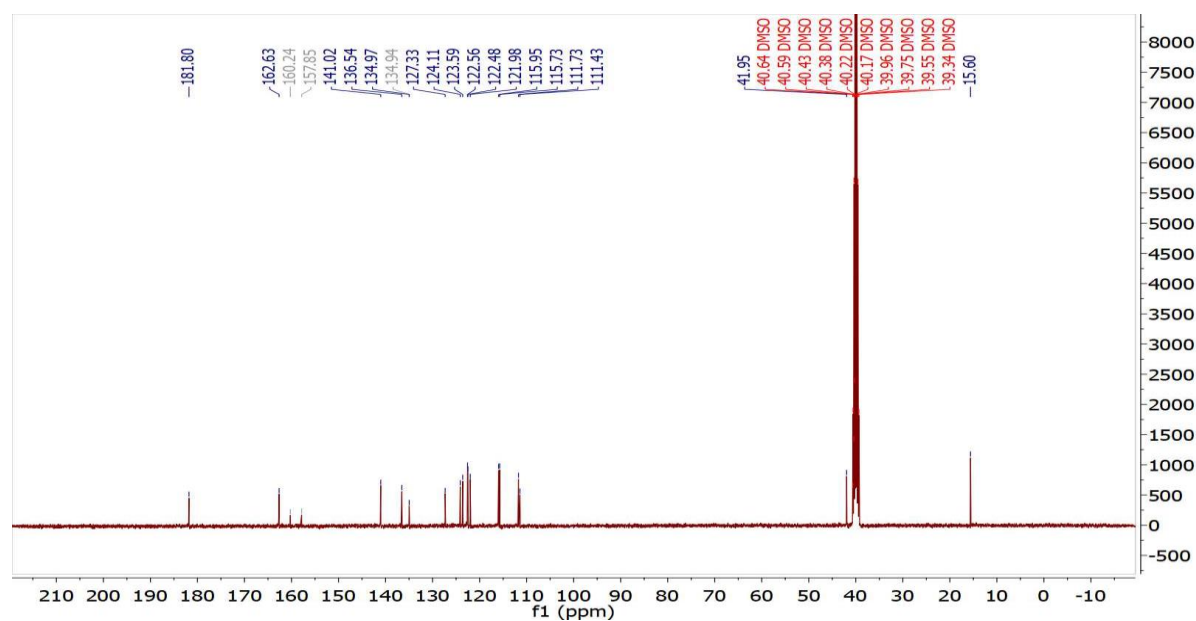
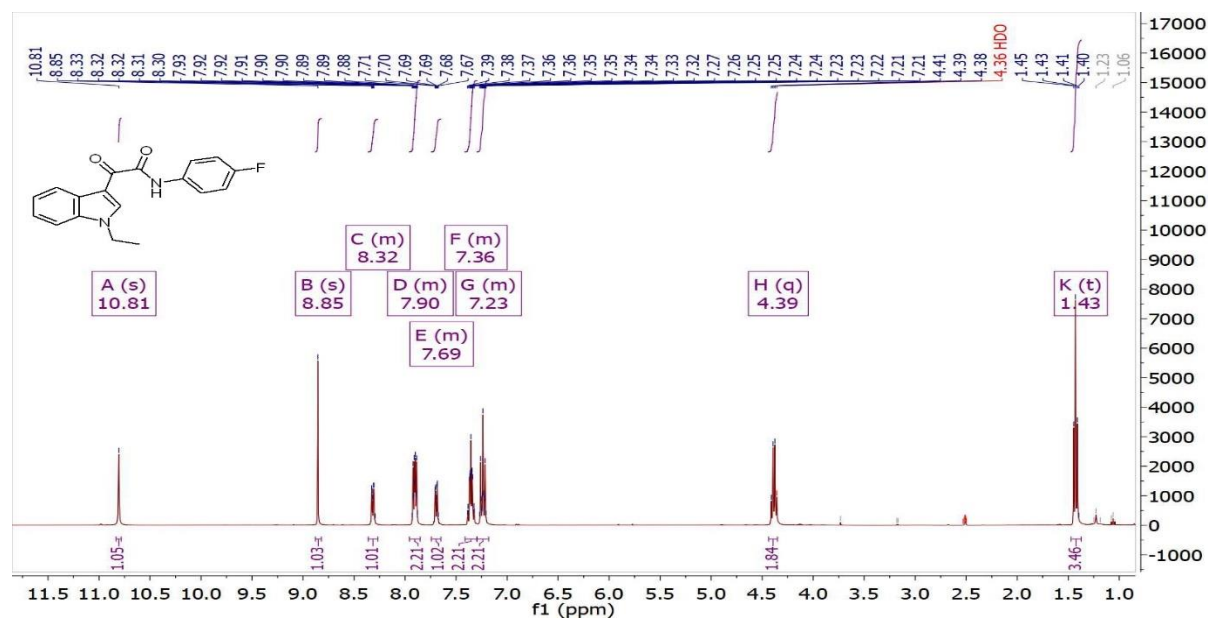
2-(1-ethyl-1H-indol-3-yl)-2-oxo-N-(4-bromophenyl)acetamide (10f)



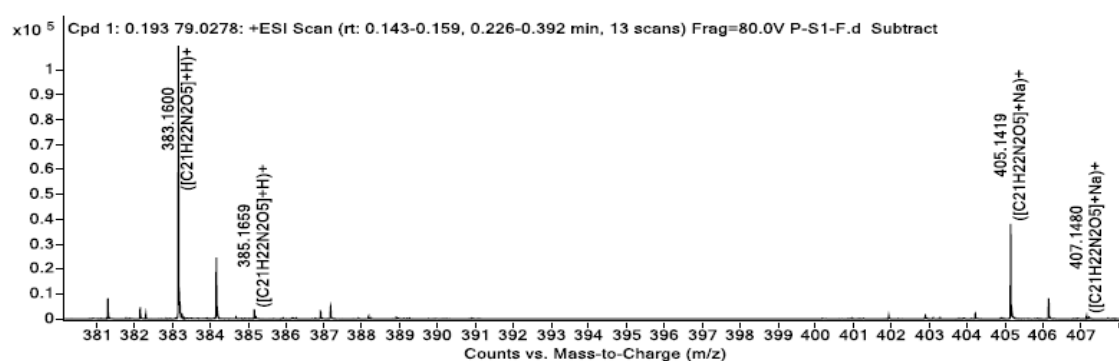
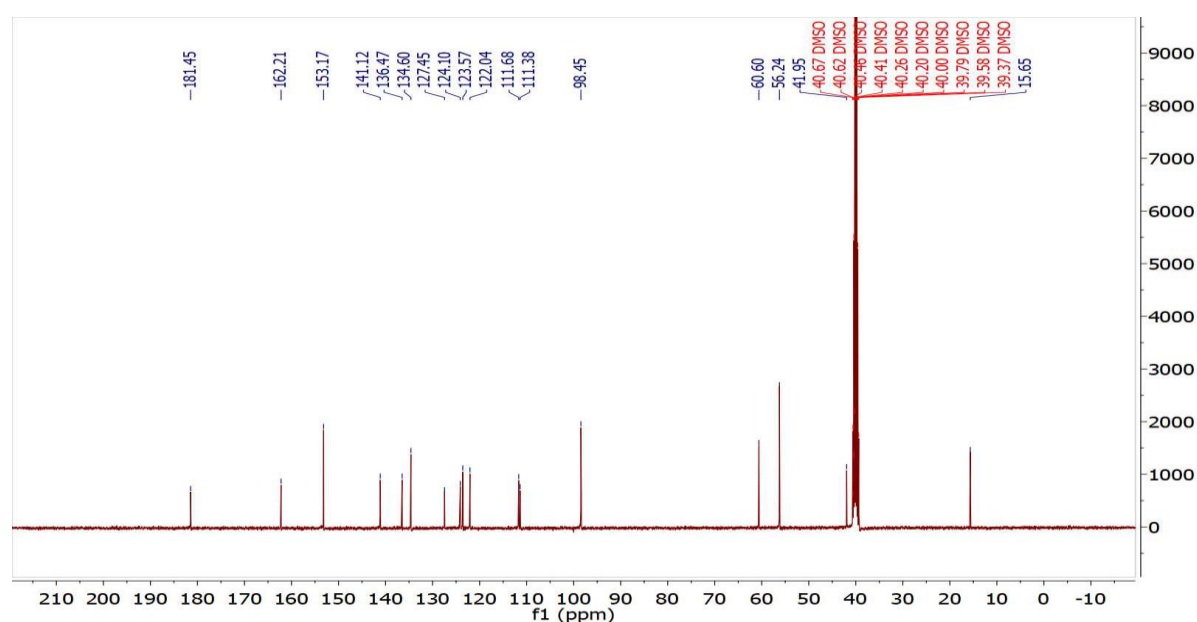
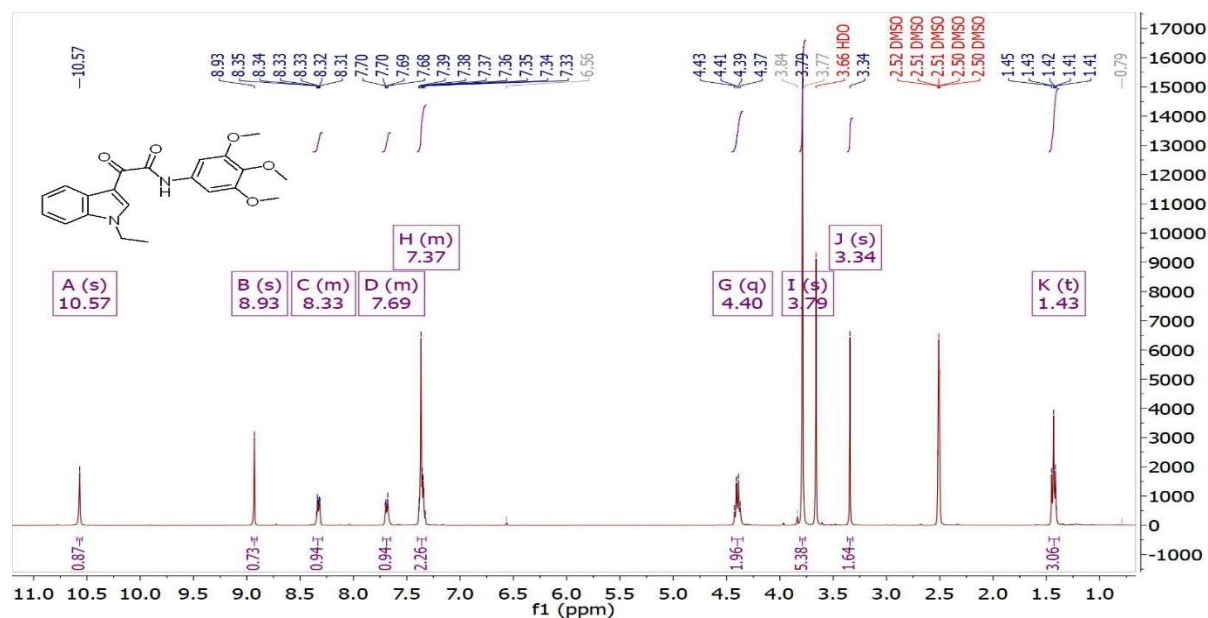
2-(1-ethyl-1H-indol-3-yl)-2-oxo-N-(3,4-dichlorophenyl)acetamide (**10g**)



2-(1-ethyl-1H-indol-3-yl)-2-oxo-N-(4-fluorophenyl)acetamide (10h)



2-(1-ethyl-1H-indol-3-yl)-2-oxo-N-(3,4,5-trimethoxyphenyl)acetamide (**10i**)

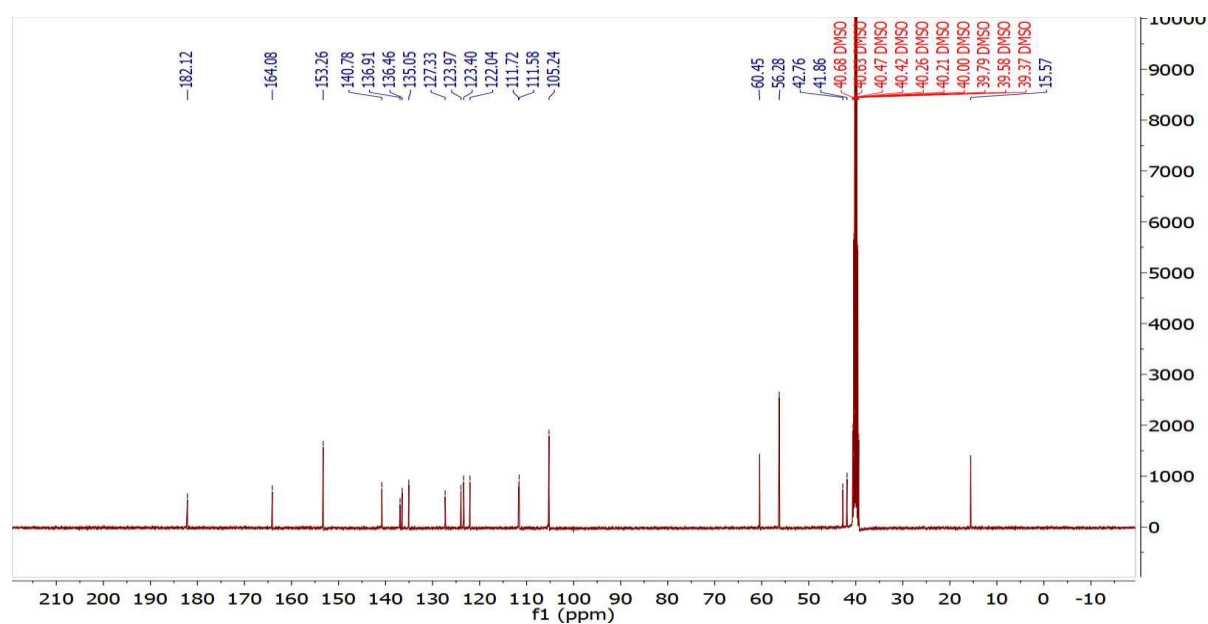


Chemical Structure: CCN1C(=O)C(=O)NC1Cc2cc(OC)c(OC)c(OC)c2

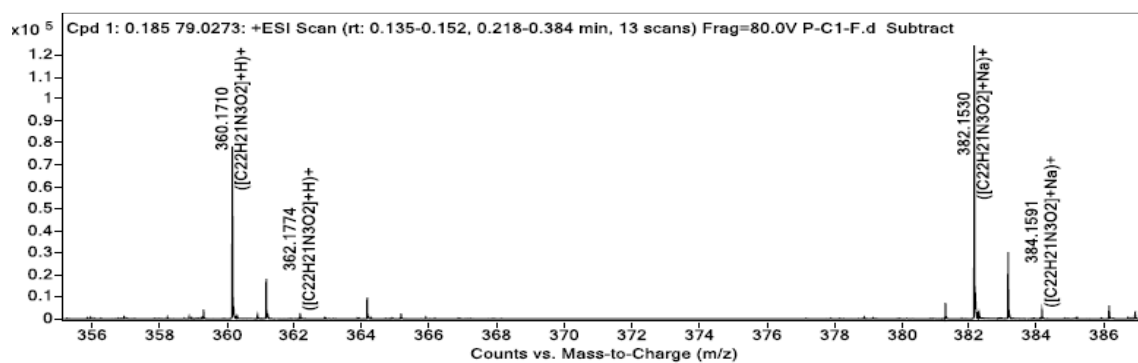
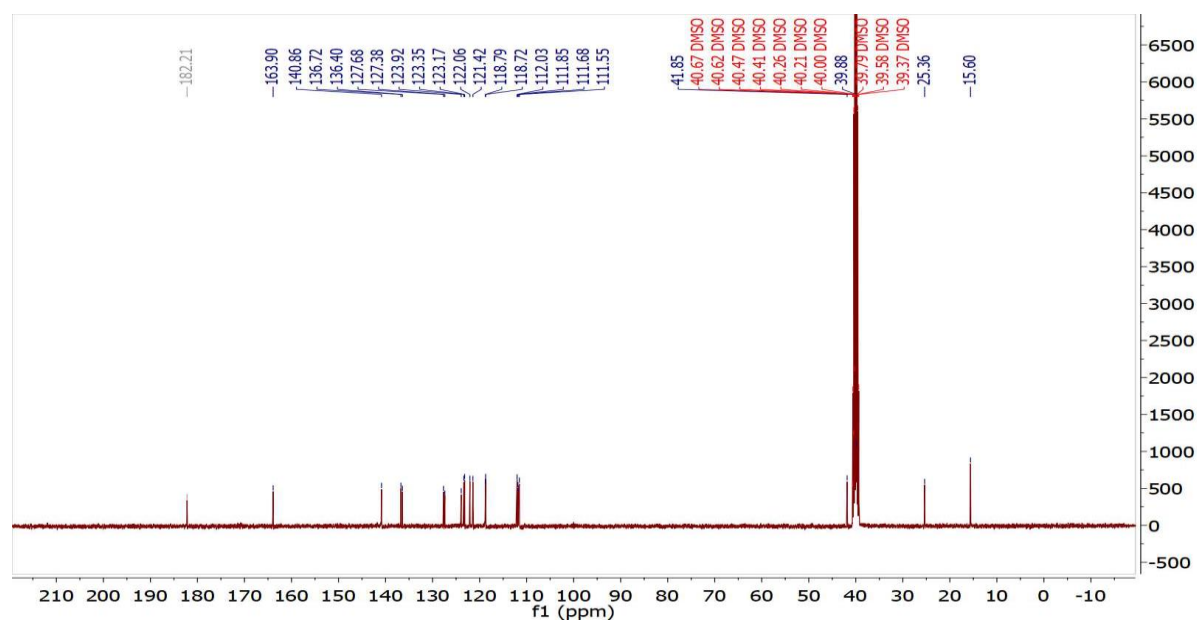
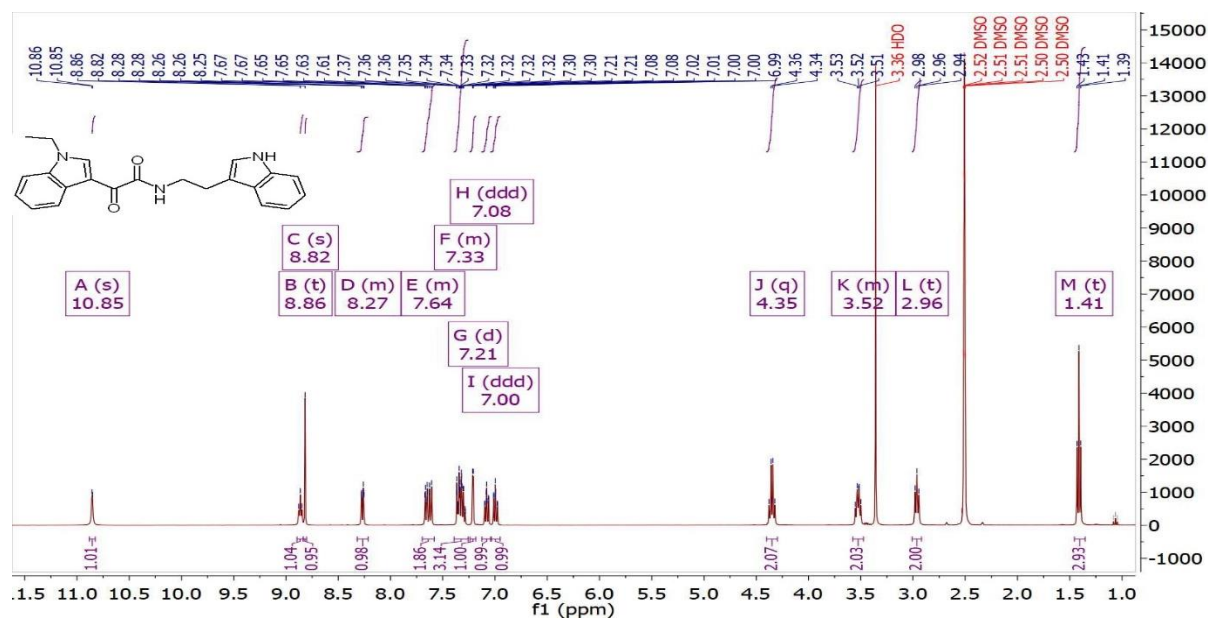
¹H NMR Data (DMSO-d₆):

Label	Chemical Shift (ppm)	Multiplicity	Integration
A	9.24	t	0.99
B	8.84	s	0.94
C	8.27	dd	0.97
D	7.66	dd	0.97
E	7.32	m	2.09
F	6.68	s	1.95
G	4.36	m	3.99
H	3.75	s	5.88
I	3.64	s	2.98
J	1.41	t	3.22

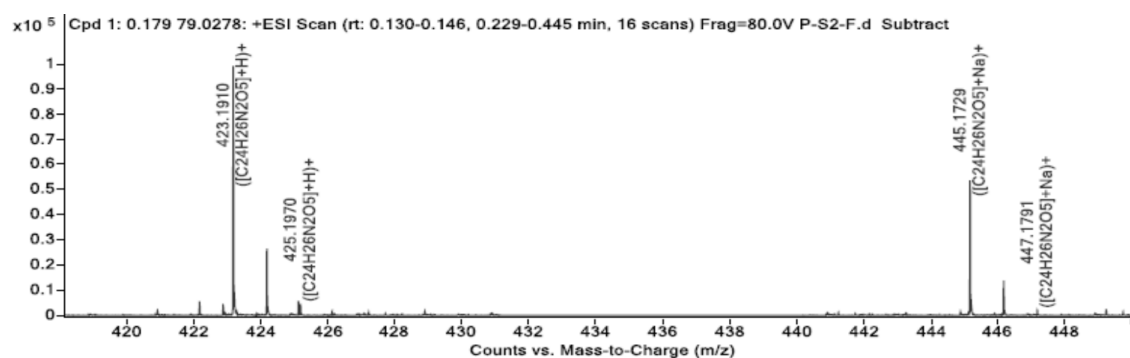
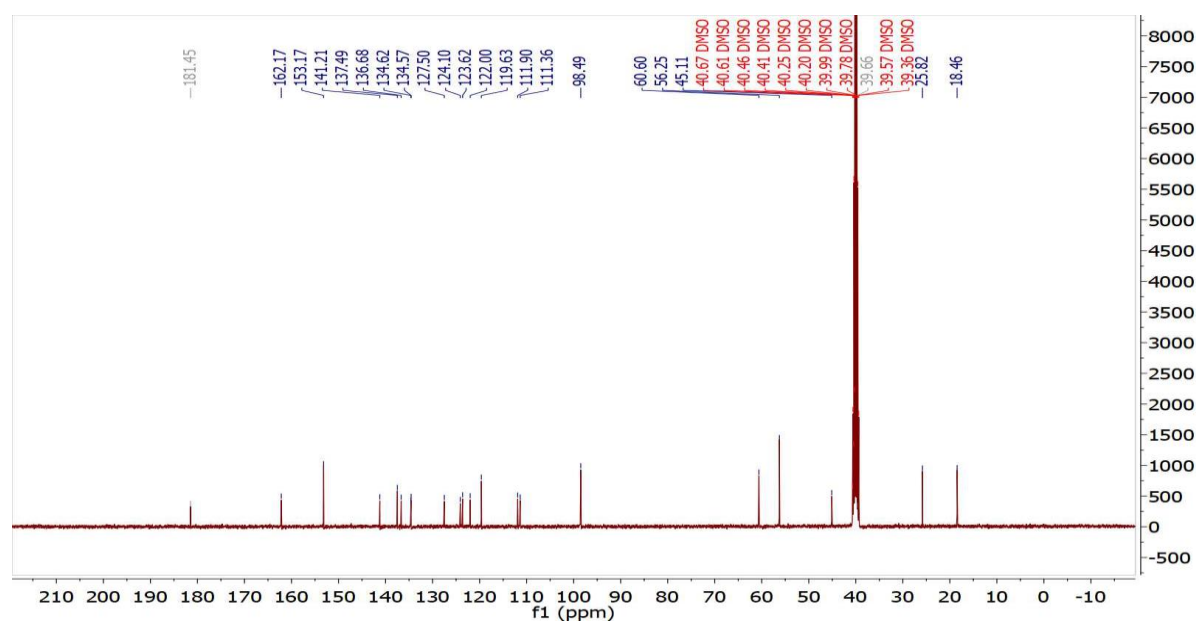
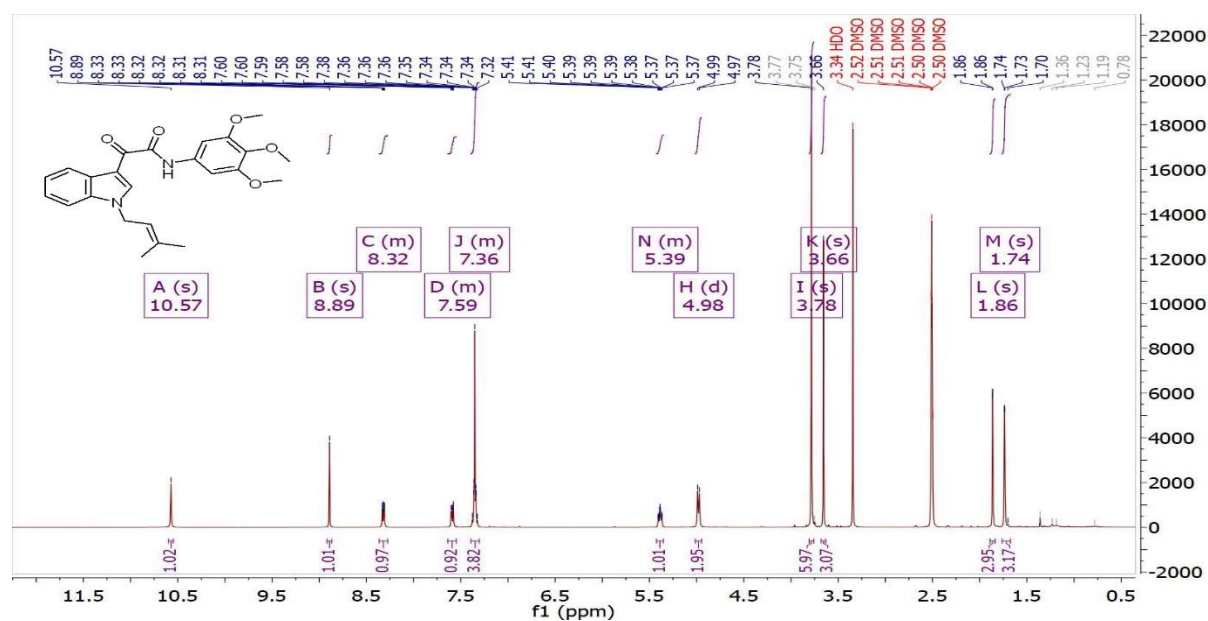
Solvent Peaks: DMSO (2.50 ppm), H₂O (3.35 ppm).



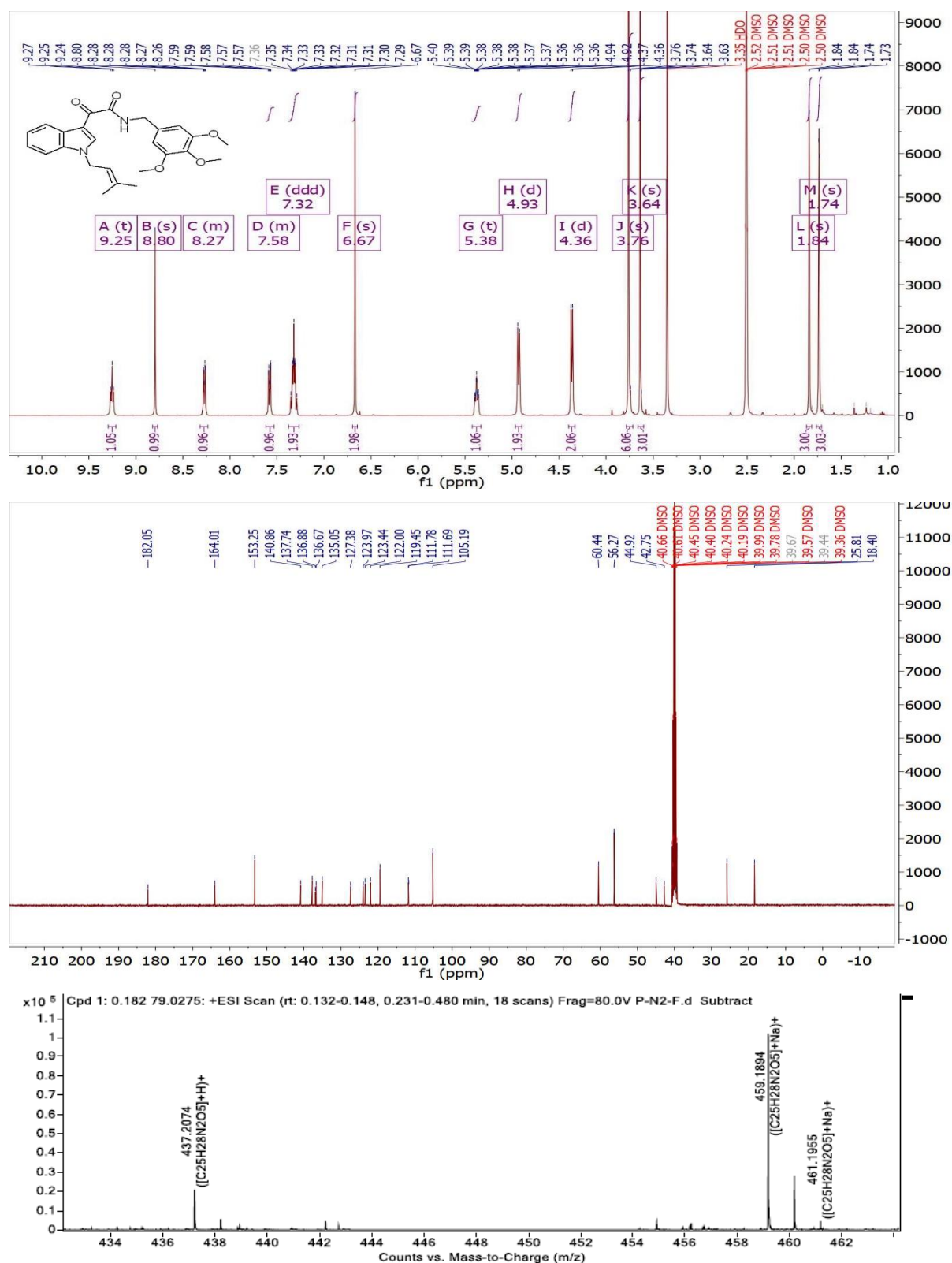
2-(1-ethyl-1H-indol-3-yl)-2-oxo-N-(2-(1H-indol-3-yl)ethyl)acetamide (**10k**)



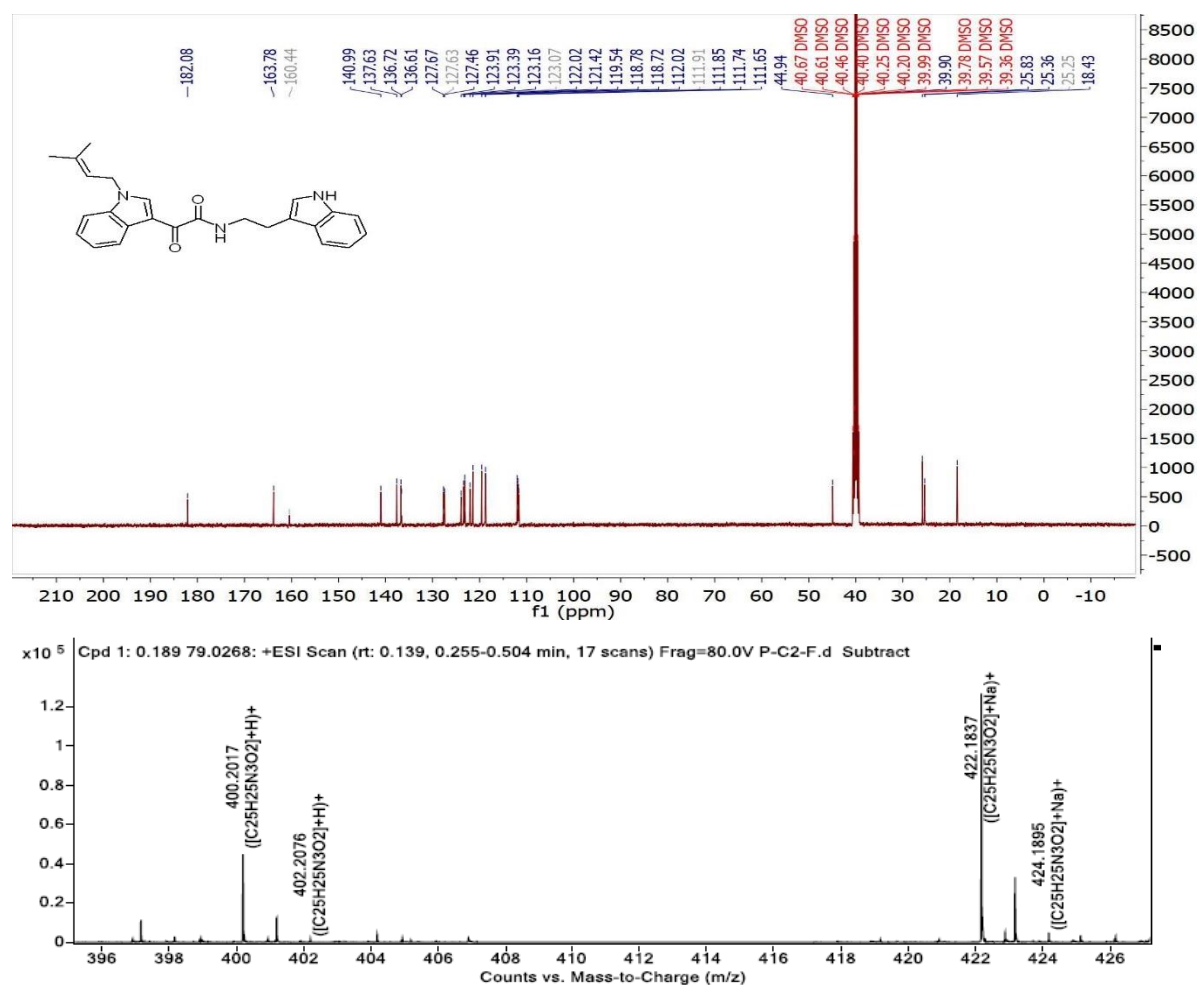
2-(1-(3-methylbut-2-en-1-yl)-1H-indol-3-yl)-2-oxo-N-(3,4,5-trimethoxyphenyl)acetamide
(11a)



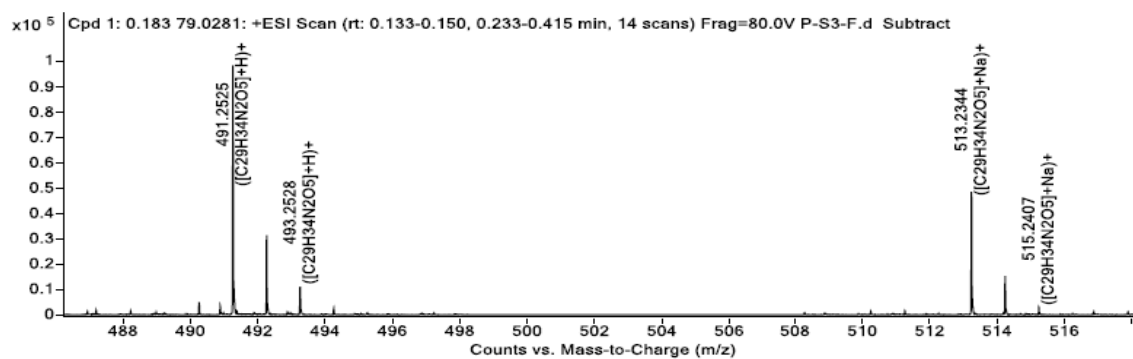
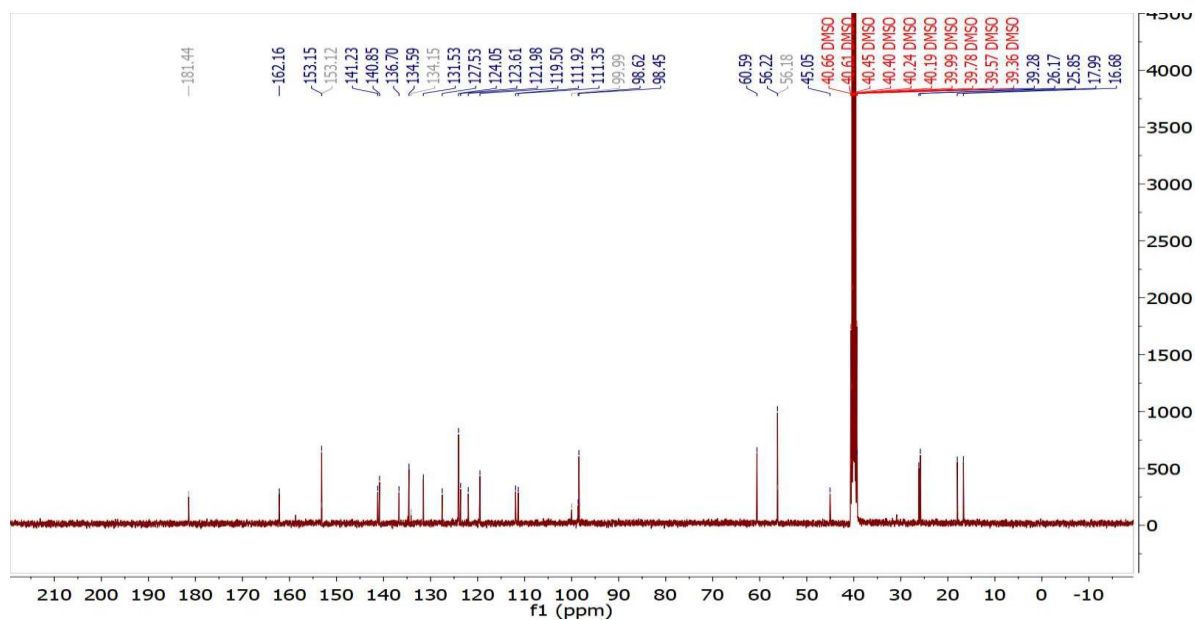
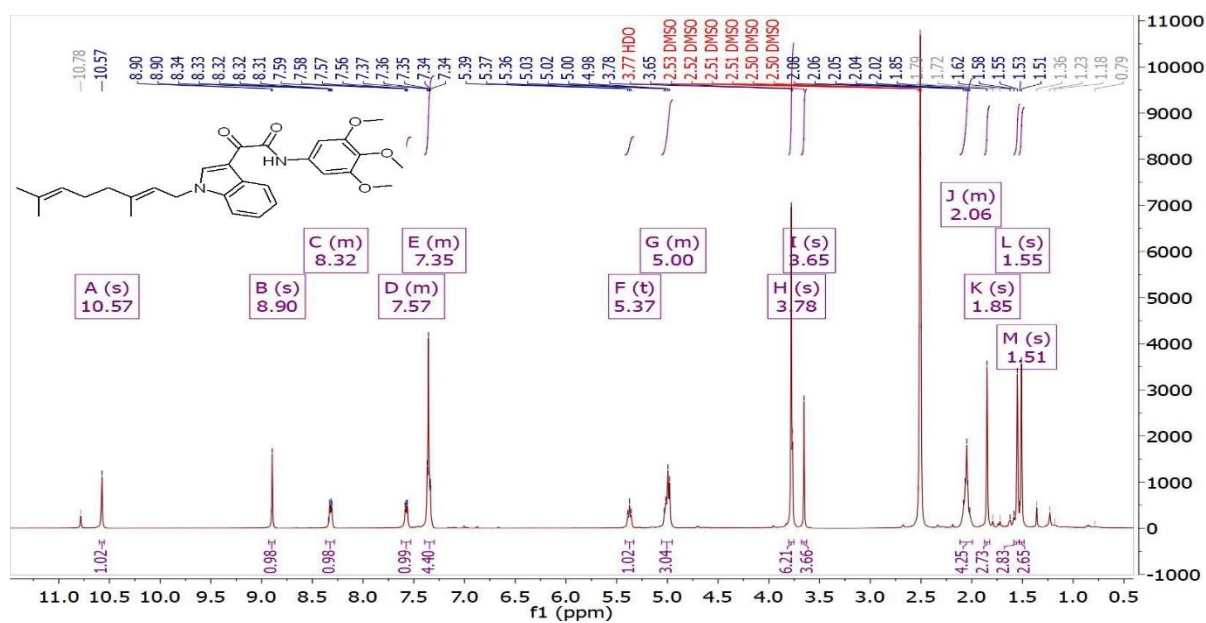
2-(1-(3-methylbut-2-en-1-yl)-1H-indol-3-yl)-2-oxo-N-(3,4,5-trimethoxybenzyl)acetamide
(11b)



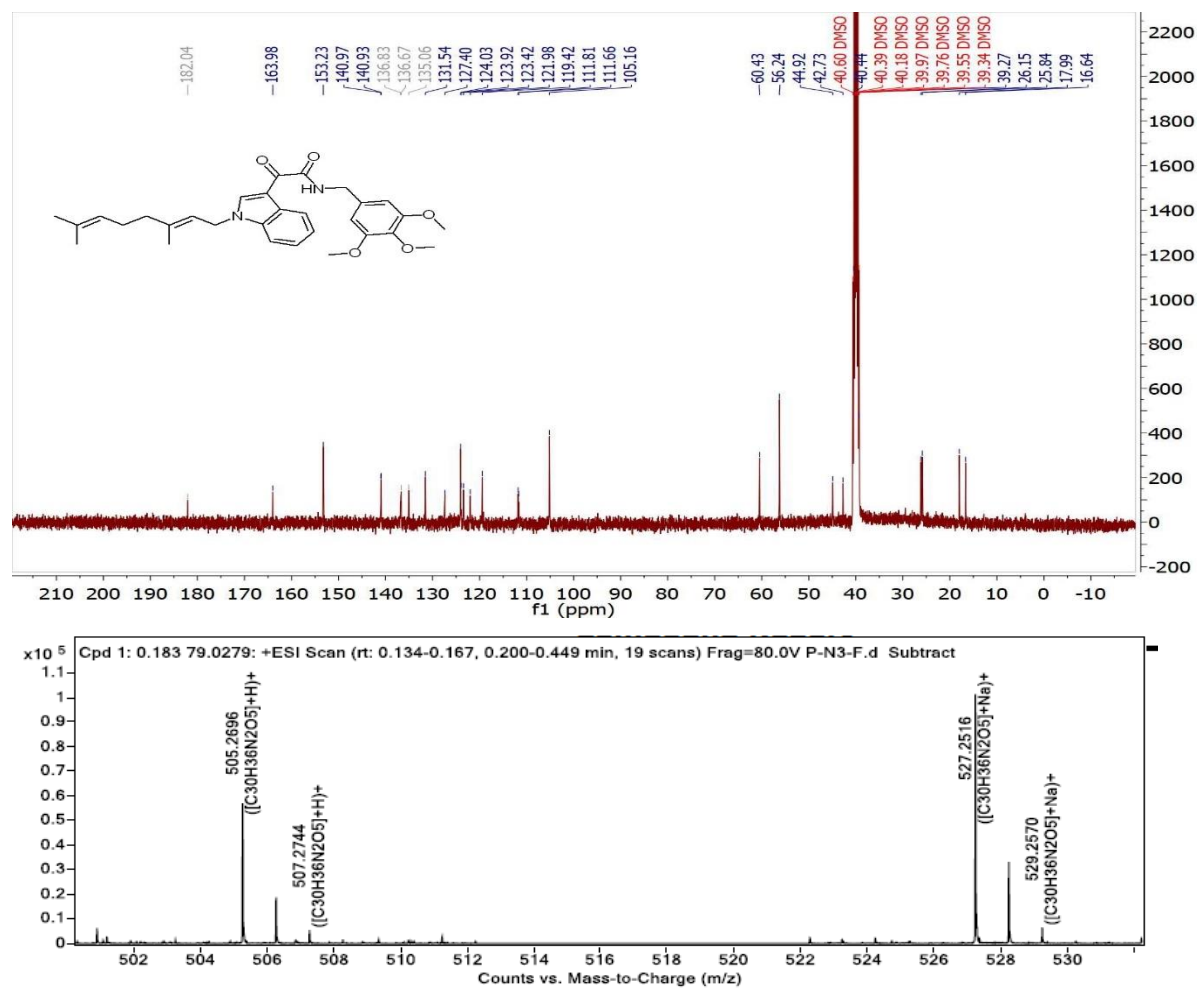
2-(1-(3-methylbut-2-en-1-yl)-1H-indol-3-yl)-2-oxo-N-(2-(1H-indol-3-yl)ethyl)acetamide
(11c)



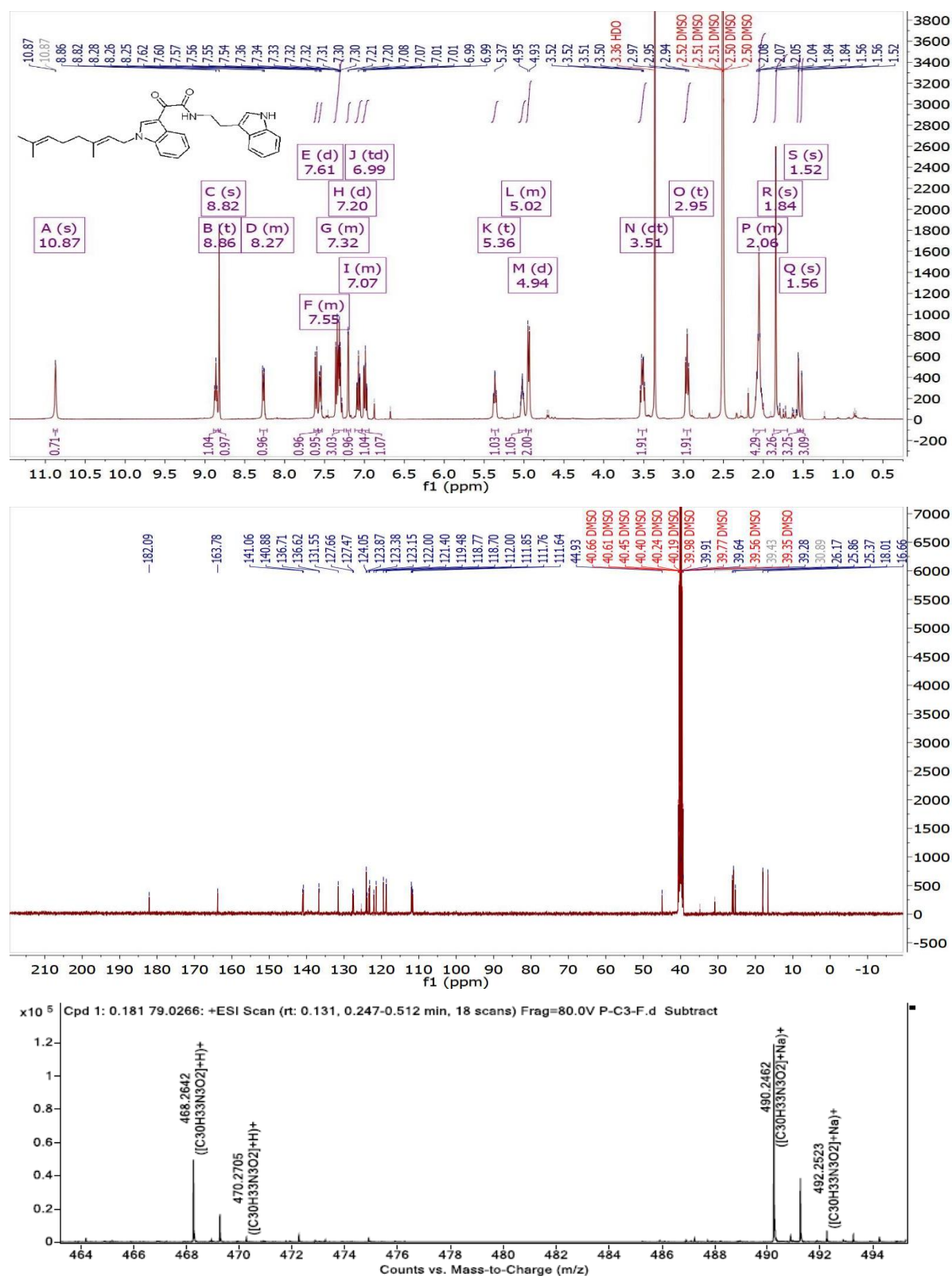
(E)-2-(1-(3,7-dimethylocta-2,6-dien-1-yl)-1H-indol-3-yl)-2-oxo-N-(3,4,5-trimethoxyphenyl)acetamide (**12a**)



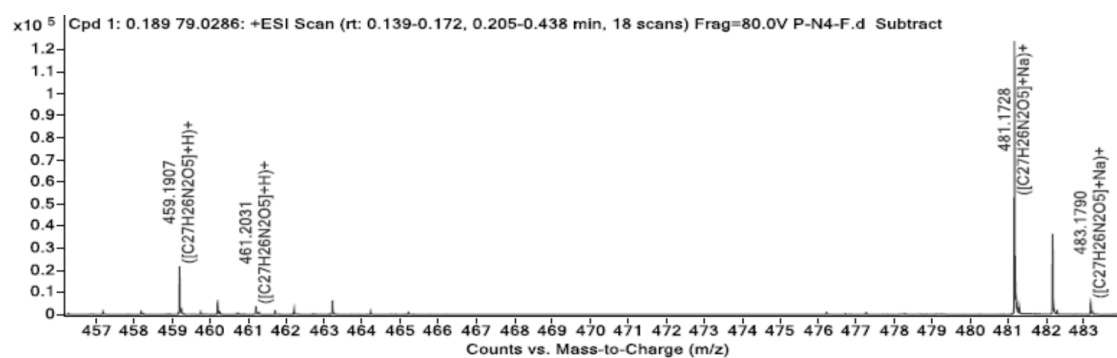
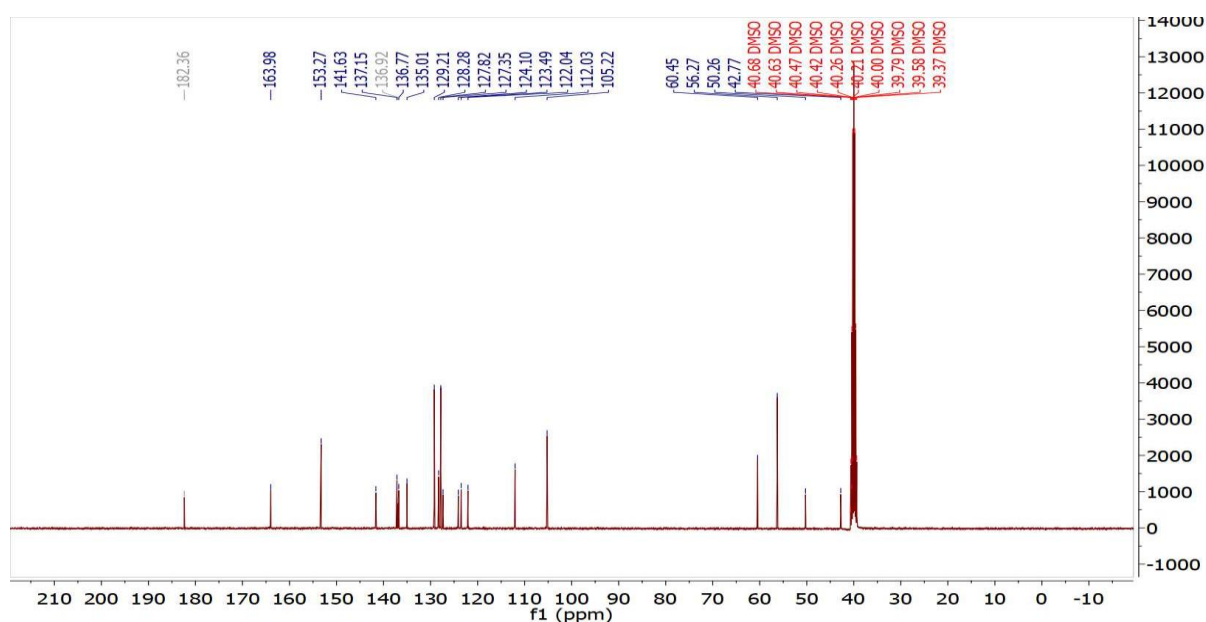
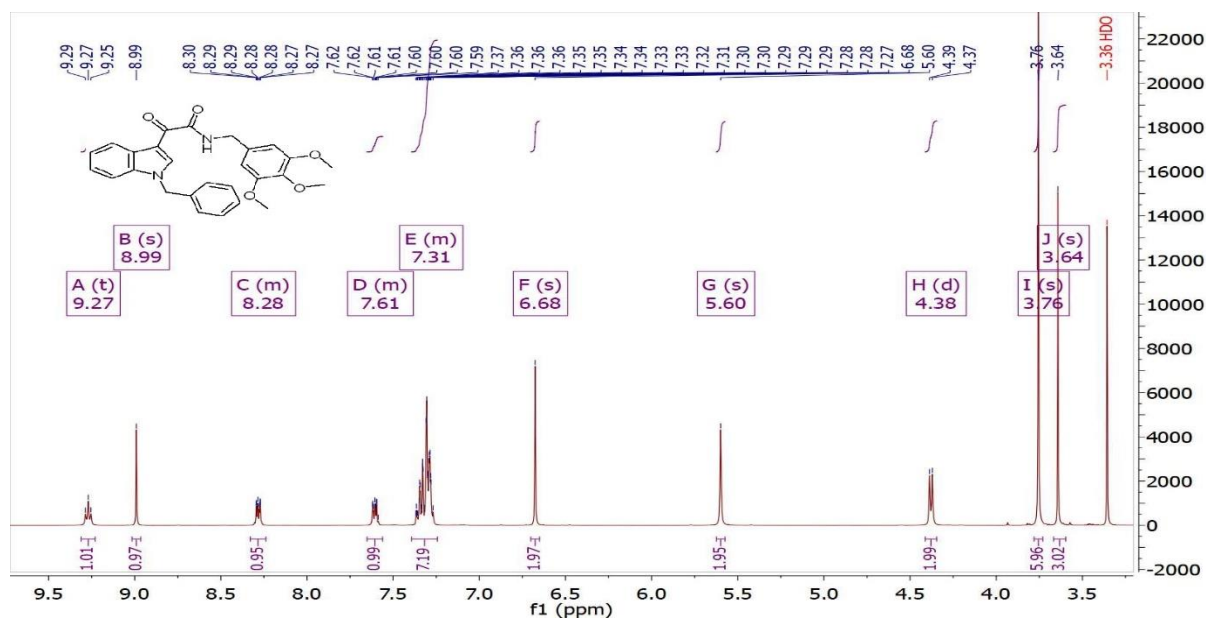
(E)-2-(1-(3,7-dimethylocta-2,6-dien-1-yl)-1H-indol-3-yl)-2-oxo-N-(3,4,5-trimethoxybenzyl)acetamide (**12b**)



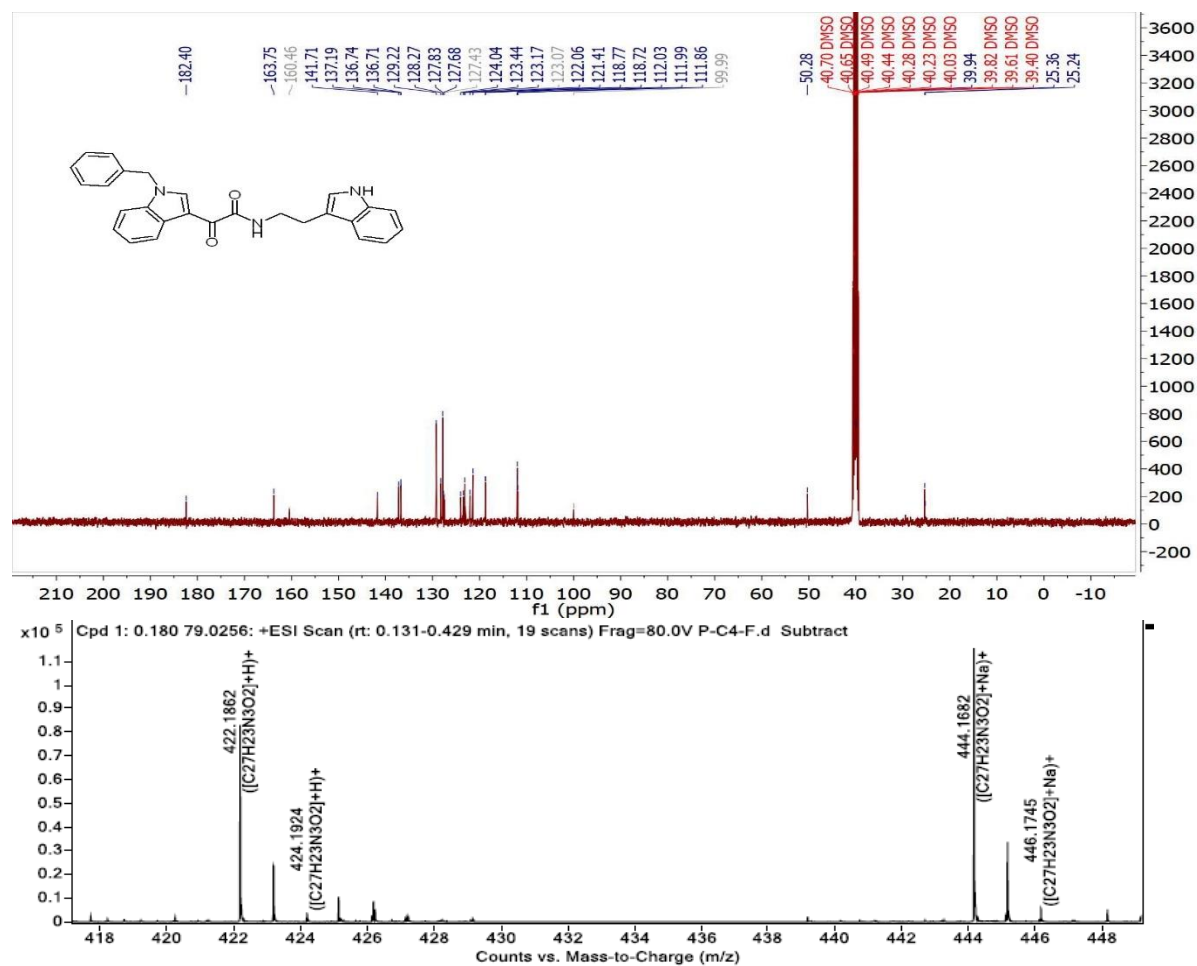
(E)-2-(1-(3,7-dimethylocta-2,6-dien-1-yl)-1H-indol-3-yl)-2-oxo-N-(2-(1H-indol-3-yl)ethyl)acetamide (**12c**)



2-(1-benzyl-1H-indol-3-yl)-2-oxo-N-(3,4,5-trimethoxybenzyl)acetamide (**13a**)



2-(1-benzyl-1H-indol-3-yl)-2-oxo-N-(2-(1H-indol-3-yl)ethyl)acetamide (**13b**)



2. HPLC

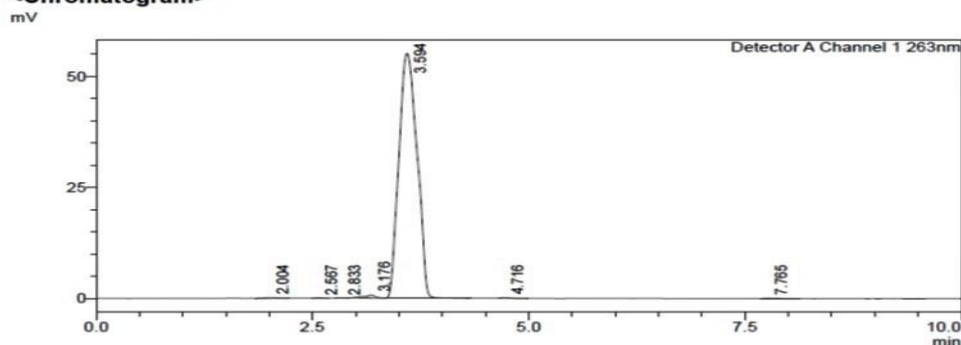
2-(1H-indol-3-yl)-2-oxo-N-(3,4,5-trimethoxybenzyl)acetamide (9a)

SHIMADZU LabSolutions Analysis Report

<Sample Information>

Sample Name	: P-NO-F	Sample Type	: Unknown
Sample ID	: P-NO-F	Acquired by	: Dr. Jindal
Data Filename	: P-NO-F.lcd	Processed by	: Dr. Jindal
Method Filename	: Pracheta acn water.lcm		
Batch Filename	: Sridhar sir purity.lcb		
Vial #	: 1-19		
Injection Volume	: 30 uL		
Date Acquired	: 6/16/2020 7:44:37 PM		
Date Processed	: 6/16/2020 7:54:38 PM		

<Chromatogram>



<Peak Table>

Detector A Channel 1 263nm

Peak#	Ret. Time	Area	Height	Conc.	Unit	Mark	Name
1	2.004	1410	141	0.174		M	
2	2.567	455	70	0.056		M	
3	2.833	186	38	0.023		M	
4	3.176	5902	668	0.729		M	
5	3.594	800587	55097	98.882		M	
6	4.716	497	94	0.061		M	
7	7.765	603	58	0.074		M	
Total		809639	56167				

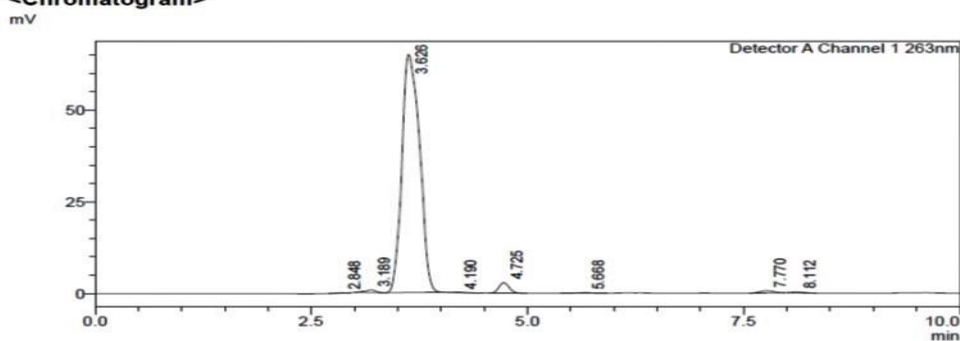
2-(1H-indol-3-yl)-2-oxo-N-(2-(1H-indol-3-yl)ethyl)acetamide (9b)

SHIMADZU LabSolutions Analysis Report

<Sample Information>

Sample Name	: P-C0-F	Sample Type	: Unknown
Sample ID	: blank002	Acquired by	: Dr. Jindal
Data Filename	: P-C0-F.lcd	Processed by	: Dr. Jindal
Method Filename	: Pracheta acn water.lcm		
Batch Filename	: Sridhar sir purity.lcb		
Vial #	: 1-4		
Injection Volume	: 30 uL		
Date Acquired	: 6/16/2020 5:06:45 PM		
Date Processed	: 6/16/2020 5:16:46 PM		

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<Peak Table>

Detector A Channel 1 263nm

Peak#	Ret. Time	Area	Height	Conc.	Unit	Mark	Name
1	2.848	594	77	0.062		M	
2	3.189	6520	736	0.678		M	
3	3.626	919764	64776	95.639		M	
4	4.190	790	119	0.082		M	
5	4.725	23293	2811	2.422		M	
6	5.668	1980	167	0.206		M	
7	7.770	6919	597	0.719		M	
8	8.112	1845	201	0.192		M	
Total		961706	69484				

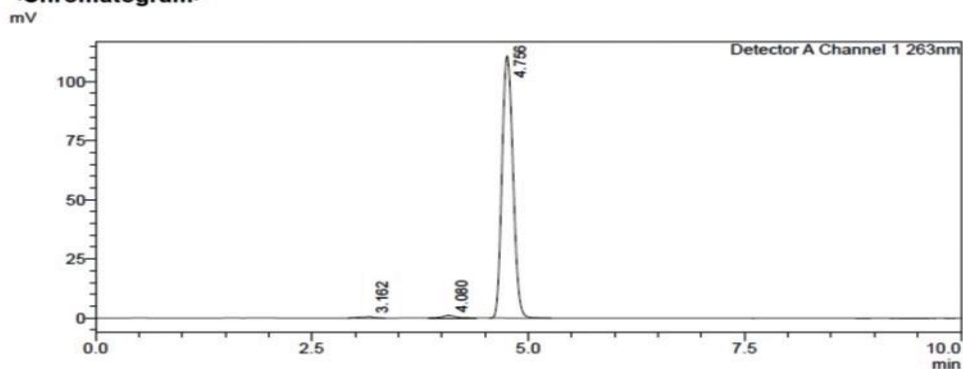
2-(1-ethyl-1H-indol-3-yl)-2-oxo-N-phenylacetamide (10a)

SHIMADZU LabSolutions Analysis Report

<Sample Information>

Sample Name : P-SS-A
 Sample ID : P-SS-A
 Data Filename : P-SS-A.lcd
 Method Filename : Pracheta acn water.lcm
 Batch Filename : Sridhar sir purity.lcb
 Vial # : 1-18
 Injection Volume : 30 uL
 Date Acquired : 6/16/2020 7:34:06 PM
 Date Processed : 6/16/2020 7:44:07 PM
 Sample Type : Unknown
 Acquired by : Dr. Jindal
 Processed by : Dr. Jindal

<Chromatogram>



<Peak Table>

Detector A Channel 1 263nm

Peak#	Ret. Time	Area	Height	Conc.	Unit	Mark	Name
1	3.162	6564	630	0.654		M	
2	4.080	10252	1003	1.021		M	
3	4.756	987334	110629	98.325		M	
Total		1004149	112262				

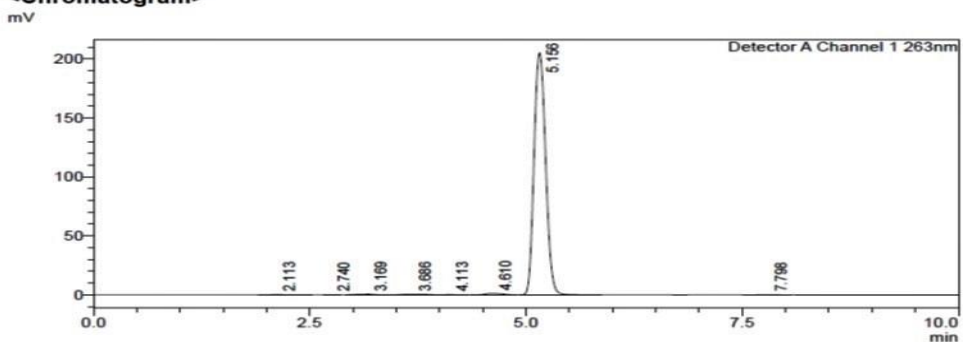
2-(1-ethyl-1H-indol-3-yl)-2-oxo-N-(p-tolyl)acetamide (10b)

SHIMADZU LabSolutions Analysis Report

<Sample Information>

Sample Name : PE-SS-4M
 Sample ID : PE-SS-4M
 Data Filename : PE-SS-4M.lcd
 Method Filename : Pracheta acn water.lcm
 Batch Filename : Sridhar sir purity.lcb
 Vial # : 1-10
 Injection Volume : 30 uL
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 Sample Type : Unknown
 Acquired by : Dr. Jindal
 Processed by : Dr. Jindal

<Chromatogram>



<Peak Table>

Detector A Channel 1 263nm

Peak#	Ret. Time	Area	Height	Conc.	Unit	Mark	Name
1	2.113	2702	272	0.138		M	
2	2.740	275	44	0.014		M	
3	3.169	6845	602	0.350		M	
4	3.686	7767	426	0.397		M	
5	4.113	900	106	0.046		M	
6	4.610	15266	1226	0.780		M	
7	5.156	1923415	205073	98.236		M	
8	7.798	789	81	0.040		M	
Total		1957960	207832				

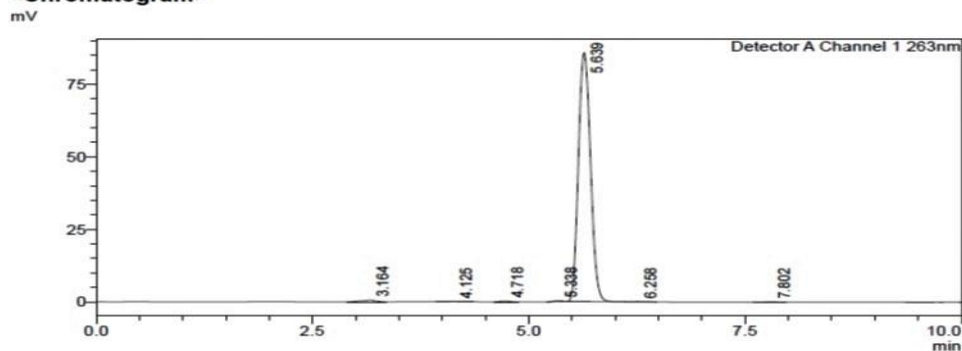
2-(1-ethyl-1H-indol-3-yl)-2-oxo-N-(3,4-dimethylphenyl)acetamide (10c)

SHIMADZU LabSolutions Analysis Report

<Sample Information>

Sample Name : PE-SS-DM
 Sample ID : PE-SS-DM
 Data Filename : PE-SS-DM.lcd
 Method Filename : Pracheta acn water.lcm
 Batch Filename : Sridhar sir purity.lcb
 Vial # : 1-9
 Injection Volume : 30 uL
 Date Acquired : 6/16/2020 5:59:21 PM
 Date Processed : 6/17/2020 11:13:45 AM
 Sample Type : Unknown
 Acquired by : Dr. Jindal
 Processed by : Dr. Jindal

<Chromatogram>



<Peak Table>

Detector A Channel 1 263nm

Peak#	Ret. Time	Area	Height	Conc.	Unit	Mark	Name
1	3.164	7839	655	0.917		M	
2	4.125	1722	125	0.201		M	
3	4.718	2317	296	0.271		M	
4	5.338	2138	299	0.250		M	
5	5.639	839168	85687	98.127		M	
6	6.258	1343	134	0.157		M	
7	7.802	660	64	0.077		M	
Total		855187	87261				

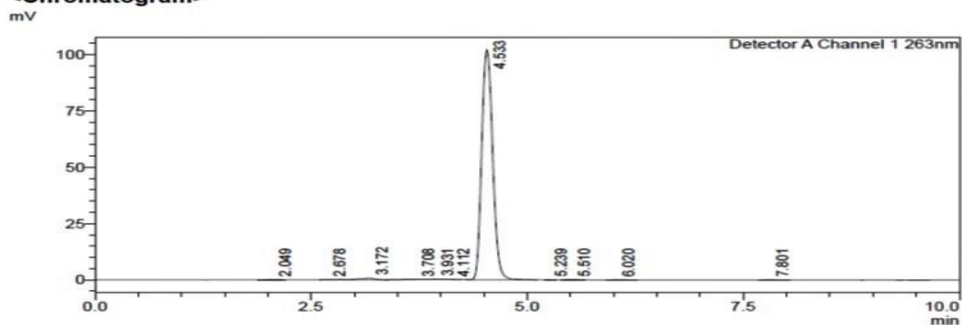
2-(1-ethyl-1H-indol-3-yl)- 2-oxo-N-(4-methoxyphenyl)acetamide (10d)

SHIMADZU LabSolutions Analysis Report

<Sample Information>

Sample Name : PE-SS-4MO
 Sample ID : PE-SS-4MO
 Data Filename : PE-SS-4MO.lcd
 Method Filename : Pracheta acn water.lcm
 Batch Filename : Sridhar sir purity.lcb
 Vial # : 1-13
 Injection Volume : 30 uL
 Date Acquired : 6/16/2020 6:41:27 PM
 Date Processed : 6/17/2020 11:15:24 AM
 Sample Type : Unknown
 Acquired by : Dr. Jindal
 Processed by : Dr. Jindal

<Chromatogram>



<Peak Table>

Detector A Channel 1 263nm

Peak#	Ret. Time	Area	Height	Conc.	Unit	Mark	Name
1	2.049	532	53	0.059		M	
2	2.678	488	66	0.054		M	
3	3.172	8743	760	0.967		M	
4	3.708	1964	97	0.217		M	
5	3.931	492	81	0.054		M	
6	4.112	466	81	0.051		M	
7	4.533	889227	101945	98.302		M	
8	5.239	120	32	0.013		M	
9	5.510	1307	157	0.145		M	
10	6.020	384	30	0.042		M	
11	7.801	867	88	0.096		M	
Total		904590	103390				

2-(1-ethyl-1H-indol-3-yl)-2-oxo-N-(4-methoxybenzyl)acetamide (10e)



Analysis Report

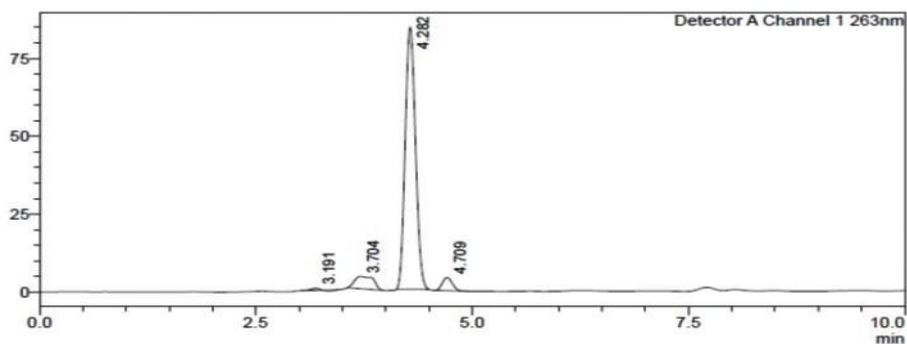
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Sample Name : PE-SS-MB
 Sample ID : blank019
 Data Filename : PE-SS-MB-2.lcd
 Method Filename : Pracheta acn water.lcm
 Batch Filename : Sridhar sir purity.lcb
 Vial # : 1-22
 Injection Volume : 30 uL
 Date Acquired : 6/17/2020 12:44:02 PM
 Date Processed : 6/17/2020 12:54:04 PM

Sample Type : Unknown
 Acquired by : Dr. Jindal
 Processed by : Dr. Jindal

<Chromatogram>

mV



<Peak Table>

Detector A Channel 1 263nm

Peak#	Ret. Time	Area	Height	Conc.	Unit	Mark	Name
1	3.191	2384	727	0.299		M	
2	3.704	60314	3872	7.560		M	
3	4.282	701254	84102	87.899		M	
4	4.709	33844	4218	4.242		M	
Total		797795	92919				

2-(1-ethyl-1H-indol-3-yl)-2-oxo-N-(4-bromophenyl)acetamide (10f)



Analysis Report

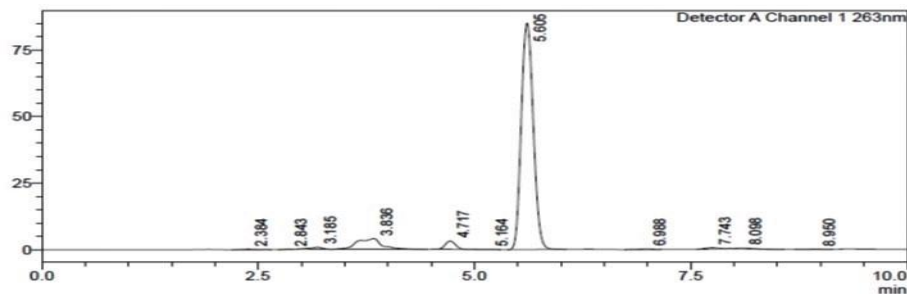
<Sample Information>

Sample Name : PE-SS-4B
 Sample ID : PE-SS-4B
 Data Filename : PE-SS-4B.lcd
 Method Filename : Pracheta acn water.lcm
 Batch Filename : Sridhar sir purity.lcb
 Vial # : 1-8
 Injection Volume : 30 uL
 Date Acquired : 6/16/2020 5:48:50 PM
 Date Processed : 6/16/2020 5:58:52 PM

Sample Type : Unknown
 Acquired by : Dr. Jindal
 Processed by : Dr. Jindal

<Chromatogram>

mV



<Peak Table>

Detector A Channel 1 263nm

Peak#	Ret. Time	Area	Height	Conc.	Unit	Mark	Name
1	2.384	1775	205	0.186		M	
2	2.843	644	121	0.068		M	
3	3.185	7071	771	0.743		M	
4	3.836	78909	3979	8.290		M	
5	4.717	25095	3075	2.637		M	
6	5.164	537	56	0.056		M	
7	5.605	826015	84920	86.783		M	
8	6.988	2415	203	0.254		M	
9	7.743	5310	483	0.558		M	
10	8.098	2816	267	0.296		M	
11	8.950	1231	99	0.129		M	
Total		951820	94180				

2-(1-ethyl-1H-indol-3-yl)-2-oxo-N-(3,4-dichlorophenyl)acetamide (10g)

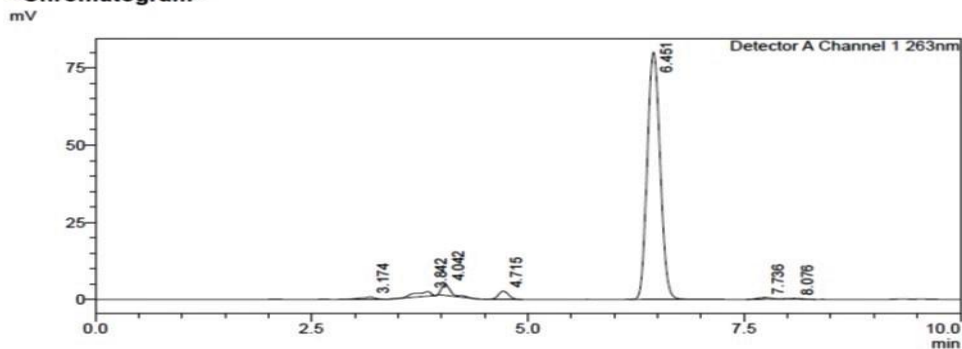


Analysis Report

<Sample Information>

Sample Name	: P-SS-DC	Sample Type	: Unknown
Sample ID	: P-SS-DC	Acquired by	: Dr. Jindal
Data Filename	: P-SS-DC.lcd	Processed by	: Dr. Jindal
Method Filename	: Pracheta acn water.lcm		
Batch Filename	: Sridhar sir purity.lcb		
Vial #	: 1-17		
Injection Volume	: 30 uL		
Date Acquired	: 6/16/2020 7:23:35 PM		
Date Processed	: 6/16/2020 7:33:36 PM		

<Chromatogram>



<Peak Table>

Detector A Channel 1 263nm

Peak#	Ret. Time	Area	Height	Conc.	Unit	Mark	Name
1	3.174	7581	754	0.829		M	
2	3.842	20981	1481	2.295		M	
3	4.042	26554	3597	2.904		M	
4	4.715	21494	2635	2.351		M	
5	6.451	829791	79910	90.746		M	
6	7.736	5822	532	0.637		M	
7	8.076	2191	220	0.240		M	
Total		914414	89129				

2-(1-ethyl-1H-indol-3-yl)-2-oxo-N-(4-fluorophenyl)acetamide (10h)

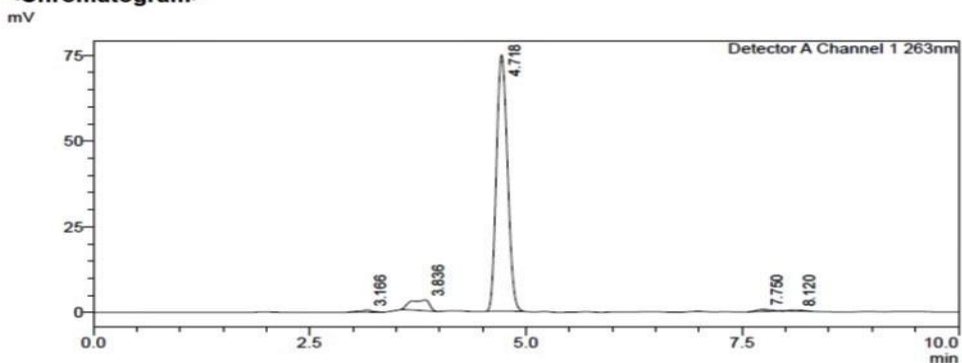


Analysis Report

<Sample Information>

Sample Name	: PE-SS-MB	Sample Type	: Unknown
Sample ID	: blank019	Acquired by	: Dr. Jindal
Data Filename	: PE-SS-MB.lcd	Processed by	: Dr. Jindal
Method Filename	: Pracheta acn water.lcm		
Batch Filename	: Sridhar sir purity.lcb		
Vial #	: 1-21		
Injection Volume	: 30 uL		
Date Acquired	: 6/16/2020 8:05:38 PM		
Date Processed	: 6/16/2020 8:15:40 PM		

<Chromatogram>



<Peak Table>

Detector A Channel 1 263nm

Peak#	Ret. Time	Area	Height	Conc.	Unit	Mark	Name
1	3.166	5978	658	0.815		M	
2	3.836	46596	3152	6.355		M	
3	4.718	670836	74624	91.492		M	
4	7.750	6728	589	0.918		M	
5	8.120	3079	288	0.420		M	
Total		733217	79311				

2-(1-ethyl-1H-indol-3-yl)-2-oxo-N-(3,4,5-trimethoxyphenyl)acetamide (10i)

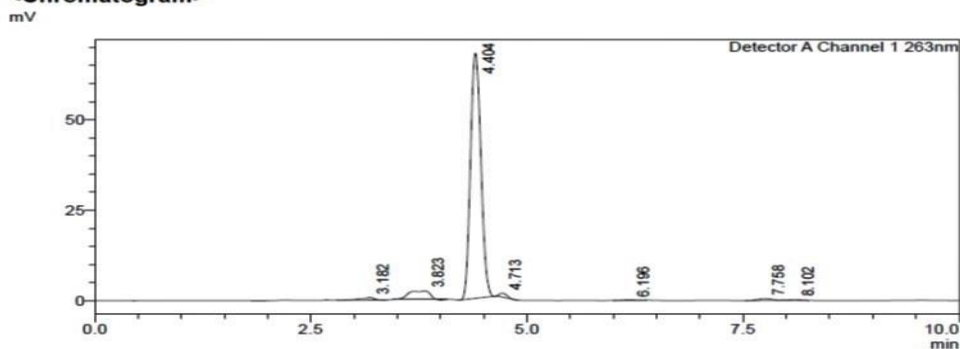


Analysis Report

<Sample Information>

Sample Name	: P-S1-F	Sample Type	: Unknown
Sample ID	: P-S1-F	Acquired by	: Dr. Jindal
Data Filename	: P-S1-F.lcd	Processed by	: Dr. Jindal
Method Filename	: Pracheta acn water.lcm		
Batch Filename	: Sridhar sir purity.lcb		
Vial #	: 1-14		
Injection Volume	: 30 uL		
Date Acquired	: 6/16/2020 6:51:59 PM		
Date Processed	: 6/16/2020 7:02:02 PM		

<Chromatogram>



<Peak Table>

Detector A Channel 1 263nm

Peak#	Ret. Time	Area	Height	Conc.	Unit	Mark	Name
1	3.182	7052	730	1.114		M	
2	3.823	39298	2322	6.210		M	
3	4.404	572398	67738	90.447		M	
4	4.713	5804	1044	0.917		M	
5	6.196	1290	130	0.204		M	
6	7.758	5537	477	0.875		M	
7	8.102	1472	158	0.233		M	
Total		632852	72599				

2-(1-ethyl-1H-indol-3-yl)-2-oxo-N-(3,4,5-trimethoxybenzyl)acetamide (10j)

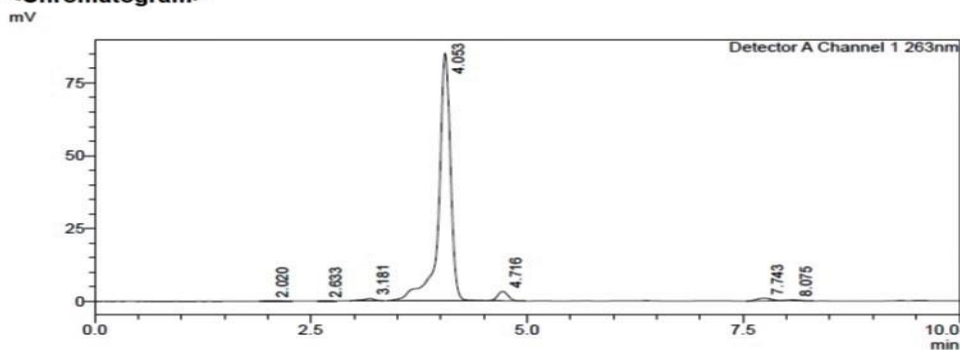


Analysis Report

<Sample Information>

Sample Name	: P-N1-F	Sample Type	: Unknown
Sample ID	: P-N1-F	Acquired by	: Dr. Jindal
Data Filename	: P-N1-F.lcd	Processed by	: Dr. Jindal
Method Filename	: Pracheta acn water.lcm		
Batch Filename	: Sridhar sir purity.lcb		
Vial #	: 1-16		
Injection Volume	: 30 uL		
Date Acquired	: 6/16/2020 7:13:04 PM		
Date Processed	: 6/16/2020 7:23:05 PM		

<Chromatogram>



<Peak Table>

Detector A Channel 1 263nm

Peak#	Ret. Time	Area	Height	Conc.	Unit	Mark	Name
1	2.020	1600	145	0.187		M	
2	2.633	361	61	0.042		M	
3	3.181	7283	823	0.853		M	
4	4.053	806445	84787	94.475		M	
5	4.716	26318	3201	3.083		M	
6	7.743	10062	893	1.179		M	
7	8.075	1542	180	0.181		M	
Total		853611	90089				

2-(1-ethyl-1H-indol-3-yl)-2-oxo-N-(2-(1H-indol-3-yl)ethyl)acetamide (10k)



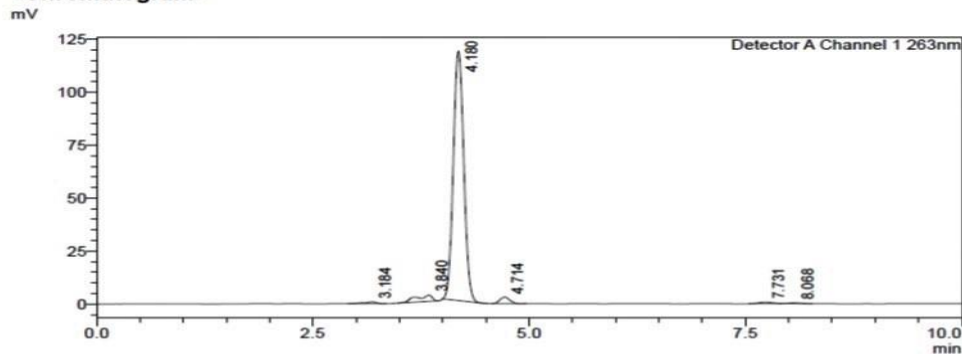
Analysis Report

<Sample Information>

Sample Name : P-C1-F
 Sample ID : P-C1-F
 Data Filename : P-C1-F.lcd
 Method Filename : Pracheta acn water.lcm
 Batch Filename : Sridhar sir purity.lcb
 Vial # : 1-12
 Injection Volume : 30 uL
 Date Acquired : 6/16/2020 6:30:56 PM
 Date Processed : 6/16/2020 6:40:57 PM

Sample Type : Unknown
 Acquired by : Dr. Jindal
 Processed by : Dr. Jindal

<Chromatogram>



<Peak Table>

Detector A Channel 1 263nm

Peak#	Ret. Time	Area	Height	Conc.	Unit	Mark	Name
1	3.184	8610	843	0.801		M	
2	3.840	39045	2999	3.631		M	
3	4.180	993108	117689	92.347		M	
4	4.714	24407	3038	2.270		M	
5	7.731	7768	679	0.722		M	
6	8.068	2475	253	0.230		M	
Total		1075414	125501				

2-(1-(3-methylbut-2-en-1-yl)-1H-indol-3-yl)-2-oxo-N-(3,4,5-trimethoxyphenyl)acetamide (11a)



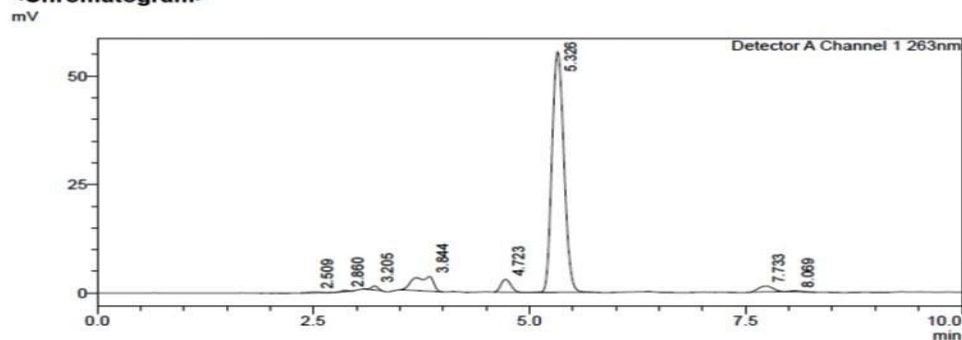
Analysis Report

<Sample Information>

Sample Name : P-S2-F
 Sample ID : P-S2-F
 Data Filename : P-S2-F.lcd
 Method Filename : Pracheta acn water.lcm
 Batch Filename : Sridhar sir purity.lcb
 Vial # : 1-11
 Injection Volume : 30 uL
 Date Acquired : 6/16/2020 6:20:25 PM
 Date Processed : 6/16/2020 6:30:26 PM

Sample Type : Unknown
 Acquired by : Dr. Jindal
 Processed by : Dr. Jindal

<Chromatogram>



<Peak Table>

Detector A Channel 1 263nm

Peak#	Ret. Time	Area	Height	Conc.	Unit	Mark	Name
1	2.509	1477	168	0.232		M	
2	2.860	1284	281	0.202		M	
3	3.205	4898	924	0.770		M	
4	3.844	52276	3389	8.222		M	
5	4.723	23662	2950	3.721		M	
6	5.326	53519	55377	84.224		M	
7	7.733	14994	1304	2.358		M	
8	8.069	1718	182	0.270		M	
Total		635828	64574				

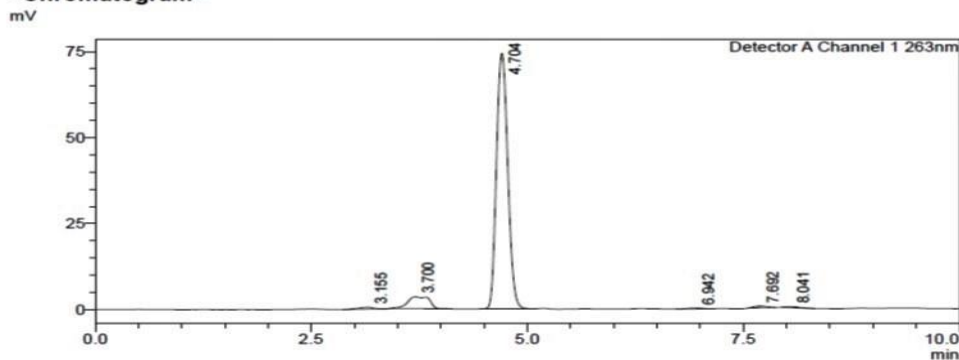
2-(1-(3-methylbut-2-en-1-yl)-1H-indol-3-yl)-2-oxo-N-(3,4,5-trimethoxybenzyl)acetamide (11b)

SHIMADZU LabSolutions Analysis Report

<Sample Information>

Sample Name : P-N2-F
 Sample ID : P-N2-F
 Data Filename : P-N2-F.lcd
 Method Filename : Pracheta acn water.lcm
 Batch Filename : Sridhar sir purity.lcb
 Vial # : 1-21
 Injection Volume : 30 uL
 Date Acquired : 6/17/2020 12:33:31 PM
 Date Processed : 6/17/2020 12:43:32 PM
 Sample Type : Unknown
 Acquired by : Dr. Jindal
 Processed by : Dr. Jindal

<Chromatogram>



<Peak Table>

Detector A Channel 1 263nm

Peak#	Ret. Time	Area	Height	Conc.	Unit	Mark	Name
1	3.155	6249	558	0.825		M	
2	3.700	59673	3419	7.877		M	
3	4.704	680973	74183	89.895		M	
4	6.942	2818	244	0.372		M	
5	7.692	5102	496	0.673		M	
6	8.041	2703	250	0.357		M	
Total		757518	79150				

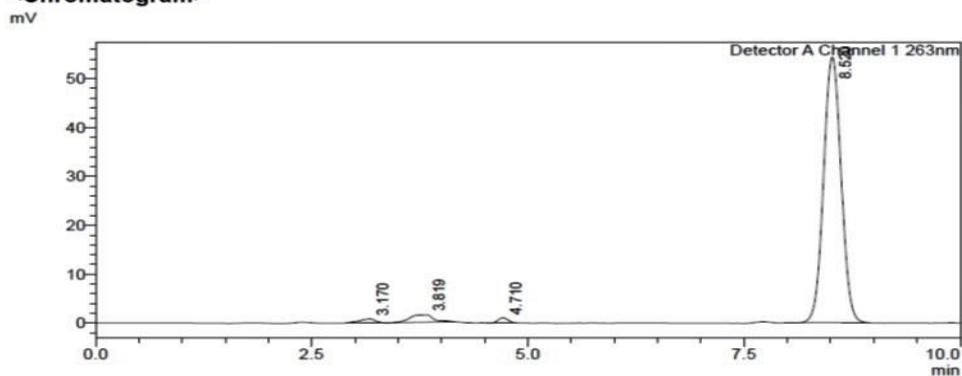
2-(1-(3-methylbut-2-en-1-yl)-1H-indol-3-yl)-2-oxo-N-(2-(1H-indol-3-yl)ethyl)acetamide (11c)

SHIMADZU LabSolutions Analysis Report

<Sample Information>

Sample Name : P-C2-F
 Sample ID : P-C2-F
 Data Filename : P-C2-F-2.lcd
 Method Filename : Pracheta acn water.lcm
 Batch Filename : Sridhar sir purity.lcb
 Vial # : 1-23
 Injection Volume : 30 uL
 Date Acquired : 6/17/2020 12:54:34 PM
 Date Processed : 6/17/2020 1:04:36 PM
 Sample Type : Unknown
 Acquired by : Dr. Jindal
 Processed by : Dr. Jindal

<Chromatogram>



<Peak Table>

Detector A Channel 1 263nm

Peak#	Ret. Time	Area	Height	Conc.	Unit	Mark	Name
1	3.170	10617	832	1.305		M	
2	3.819	28469	1495	3.498		M	
3	4.710	7874	1004	0.967		M	
4	8.520	766896	54291	94.230		M	
Total		813855	57622				

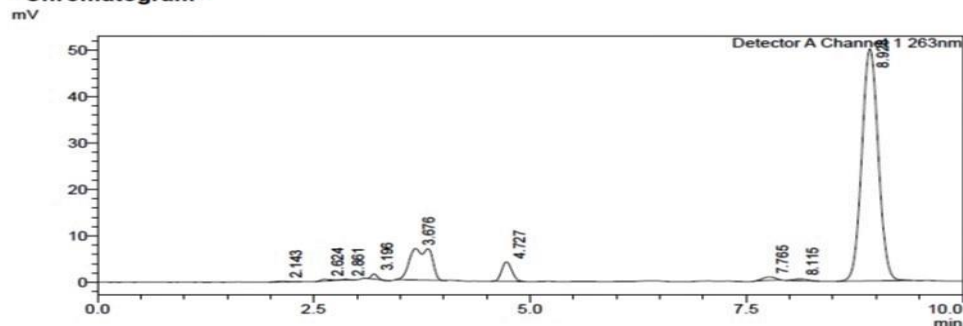
(E)-2-(1-(3,7-dimethylocta-2,6-dien-1-yl)-1H-indol-3-yl)-2-oxo-N-(3,4,5-trimethoxyphenyl)acetamide (**12a**)

SHIMADZU LabSolutions Analysis Report

<Sample Information>

Sample Name : P-S3-F
 Sample ID : blank018
 Data Filename : P-S3-F.lcd
 Method Filename : Pracheta acn water.lcm
 Batch Filename : Sridhar sir purity.lcb
 Vial # : 1-20
 Injection Volume : 30 uL
 Date Acquired : 6/16/2020 7:55:07 PM
 Date Processed : 6/16/2020 8:05:08 PM
 Sample Type : Unknown
 Acquired by : Dr. Jindal
 Processed by : Dr. Jindal

<Chromatogram>



<Peak Table>

Detector A Channel 1 263nm

Peak#	Ret. Time	Area	Height	Conc.	Unit	Mark	Name
1	2.143	1318	128	0.157		M	
2	2.624	2744	377	0.328		M	
3	2.861	906	184	0.108		M	
4	3.196	4406	1093	0.526		M	
5	3.676	117396	6786	14.026		M	
6	4.727	34088	4193	4.073		M	
7	7.765	7213	727	0.862		M	
8	8.115	4247	389	0.507		M	
9	8.928	664651	50017	79.412		M	
Total		836968	63894				

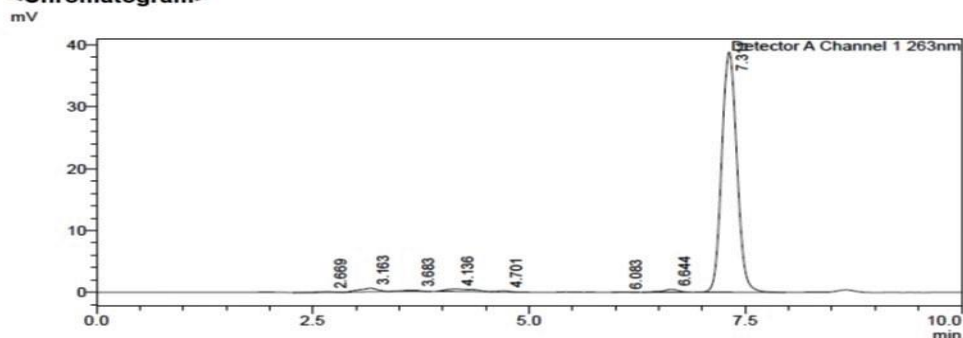
(E)-2-(1-(3,7-dimethylocta-2,6-dien-1-yl)-1H-indol-3-yl)-2-oxo-N-(3,4,5-trimethoxybenzyl)acetamide (**12b**)

SHIMADZU LabSolutions Analysis Report

<Sample Information>

Sample Name : P-N3-F
 Sample ID : blank003
 Data Filename : P-N3-F.lcd
 Method Filename : Pracheta acn water.lcm
 Batch Filename : Sridhar sir purity.lcb
 Vial # : 1-5
 Injection Volume : 30 uL
 Date Acquired : 6/16/2020 5:17:16 PM
 Date Processed : 6/16/2020 5:27:18 PM
 Sample Type : Unknown
 Acquired by : Dr. Jindal
 Processed by : Dr. Jindal

<Chromatogram>



<Peak Table>

Detector A Channel 1 263nm

Peak#	Ret. Time	Area	Height	Conc.	Unit	Mark	Name
1	2.669	1123	88	0.224		M	
2	3.163	8262	579	1.650		M	
3	3.683	2722	177	0.543		M	
4	4.136	9289	415	1.855		M	
5	4.701	1378	169	0.275		M	
6	6.083	385	43	0.077		M	
7	6.644	5791	458	1.157		M	
8	7.311	471793	38805	94.219		M	
Total		500742	40733				

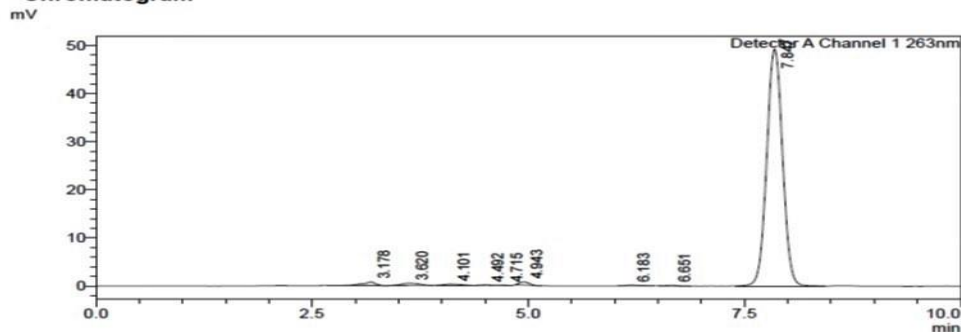
(E)-2-(1-(3,7-dimethylocta-2,6-dien-1-yl)-1H-indol-3-yl)-2-oxo-N-(2-(1H-indol-3-yl)ethyl)acetamide (**12c**)

SHIMADZU LabSolutions Analysis Report

<Sample Information>

Sample Name : P-C3-F
 Sample ID : P-C3-F
 Data Filename : P-C3-F.lcd
 Method Filename : Pracheta acn water.lcm
 Batch Filename : Sridhar sir purity.lcb
 Vial # : 1-15
 Injection Volume : 30 uL
 Date Acquired : 6/16/2020 7:02:33 PM
 Date Processed : 6/16/2020 7:12:34 PM
 Sample Type : Unknown
 Acquired by : Dr. Jindal
 Processed by : Dr. Jindal

<Chromatogram>



<Peak Table>

Detector A Channel 1 263nm

Peak#	Ret. Time	Area	Height	Conc.	Unit	Mark	Name
1	3.178	7952	747	1.218		M	
2	3.620	6698	458	1.026		M	
3	4.101	3271	250	0.501		M	
4	4.492	305	54	0.047		M	
5	4.715	185	46	0.028		M	
6	4.943	5225	664	0.800		M	
7	6.183	1544	138	0.236		M	
8	6.651	1272	134	0.195		M	
9	7.847	626415	49151	95.948		M	
Total		652867	51642				

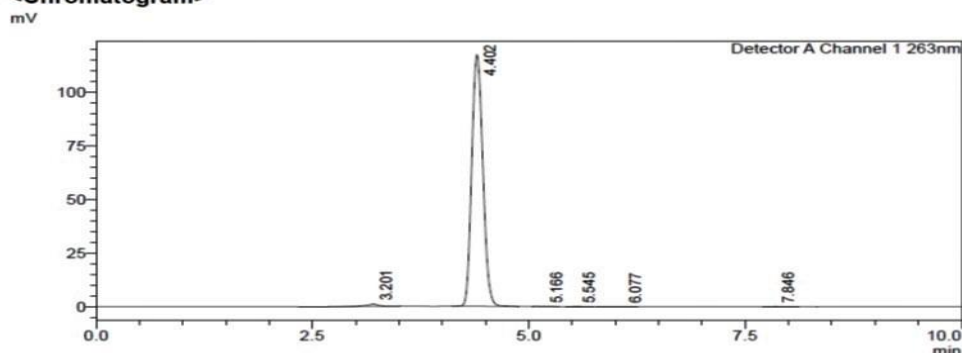
2-(1-benzyl-1H-indol-3-yl)-2-oxo-N-(3,4,5-trimethoxybenzyl)acetamide (**13a**)

SHIMADZU LabSolutions Analysis Report

<Sample Information>

Sample Name : P-N4-F
 Sample ID : blank001
 Data Filename : P-N4-F 80-21.lcd
 Method Filename : Pracheta acn water.lcm
 Batch Filename : Sridhar sir purity.lcb
 Vial # : 1-3
 Injection Volume : 30 uL
 Date Acquired : 6/16/2020 4:56:14 PM
 Date Processed : 6/16/2020 5:06:15 PM
 Sample Type : Unknown
 Acquired by : Dr. Jindal
 Processed by : Dr. Jindal

<Chromatogram>



<Peak Table>

Detector A Channel 1 263nm

Peak#	Ret. Time	Area	Height	Conc.	Unit	Mark	Name
1	3.201	12397	1076	1.158		M	
2	4.402	1055696	117266	98.649		M	
3	5.166	584	66	0.055		M	
4	5.545	424	46	0.040		M	
5	6.077	454	37	0.042		M	
6	7.846	597	64	0.056		M	
Total		1070151	118555				

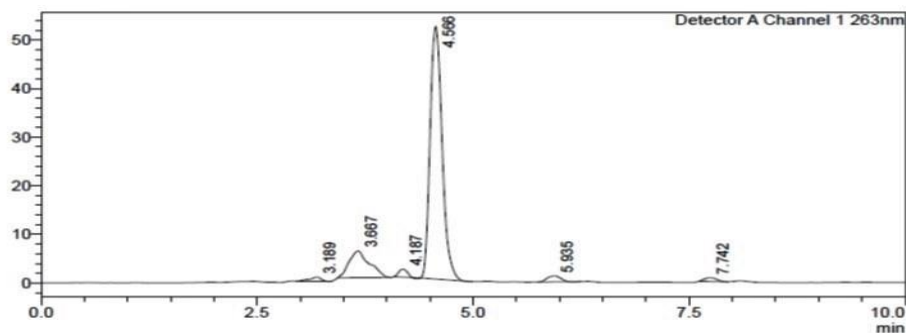
<Sample Information>

Sample Name : P-C4-F
Sample ID : P-C4-F
Data Filename : P-C4-F.lcd
Method Filename : Pracheta acn water.lcm
Batch Filename : Sridhar sir purity.lcb
Vial # : 1-7
Injection Volume : 30 uL
Date Acquired : 6/16/2020 5:38:18 PM
Date Processed : 6/16/2020 5:48:20 PM

Sample Type : Unknown
Acquired by : Dr. Jindal
Processed by : Dr. Jindal

<Chromatogram>

mV



<Peak Table>

Detector A Channel 1 263nm

Peak#	Ret. Time	Area	Height	Conc.	Unit	Mark	Name
1	3.189	6892	805	1.099		M	
2	3.667	89957	5527	14.342		M	
3	4.187	10747	1659	1.713		M	
4	4.566	499499	51984	79.639		M	
5	5.935	12668	1199	2.020		M	
6	7.742	7444	741	1.187		M	
Total		627207	61915				