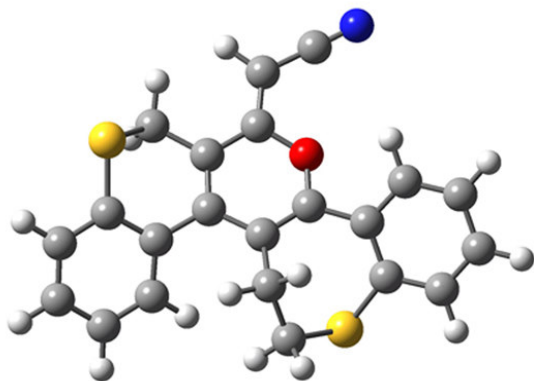


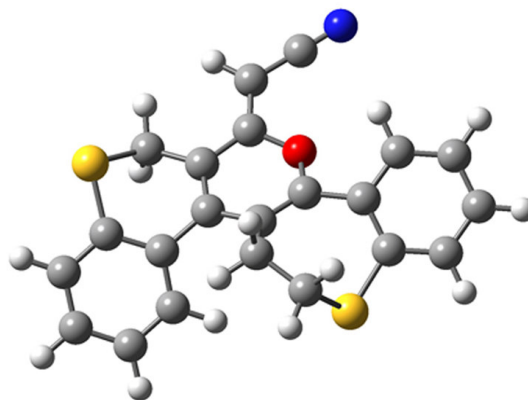
Supporting data

Non-catalytic Approach to the Synthesis of Partially Reduced 'S' Shaped Dioxathia-, and Oxadithiahelicenes Through Base Induced Inter-, and Intramolecular C-C Bond Formation

SUPPLEMENTARY INFORMATIONS



Ground State Optimized Structure of 9d



Transition State Optimized Structure of 9d

Ground state Optimized XYZ coordinates for 9d

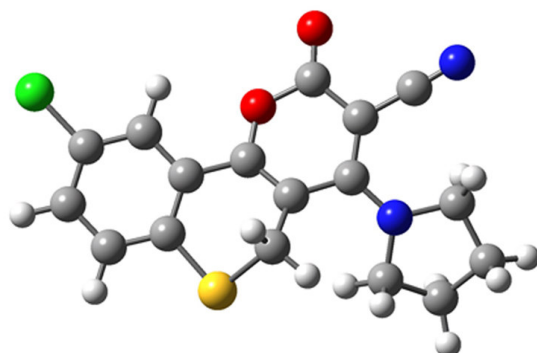
1	16	0	2.149175	-2.596687	-1.121865
2	16	0	-3.714757	1.604847	0.916960
3	8	0	1.146085	1.545444	-0.344805
4	7	0	2.345140	4.802374	-0.728185
5	6	0	-0.029316	2.241951	-0.395143
6	6	0	-1.246956	1.484138	-0.284421
7	6	0	-2.570940	2.192160	-0.389460
8	1	0	-3.043792	2.034157	-1.362832
9	1	0	-2.472909	3.261832	-0.224730
10	6	0	-3.660679	-0.101677	0.423058
11	6	0	-4.816144	-0.879725	0.517013
12	1	0	-5.717877	-0.441840	0.928719
13	6	0	-4.825276	-2.186883	0.044820
14	1	0	-5.730739	-2.778394	0.114679
15	6	0	-3.685845	-2.709951	-0.564217
16	1	0	-3.700664	-3.705998	-0.990536
17	6	0	-2.527832	-1.946169	-0.630931
18	1	0	-1.656376	-2.346733	-1.129832
19	6	0	-2.465828	-0.649066	-0.097169
20	6	0	-1.200494	0.122651	-0.099653
21	6	0	0.085117	-0.522690	0.159042
22	6	0	0.220527	-1.881687	0.827813
23	1	0	-0.738476	-2.177692	1.257311
24	1	0	0.904378	-1.757986	1.672109
25	6	0	0.749063	-3.048218	-0.017139
26	1	0	-0.004743	-3.441661	-0.701095
27	1	0	1.054117	-3.863423	0.642575
28	6	0	3.090222	-1.455547	-0.113599

29	6	0	4.420606	-1.784445	0.162695
30	1	0	4.787545	-2.760926	-0.128092
31	6	0	5.267722	-0.872013	0.783547
32	1	0	6.296847	-1.145398	0.986393
33	6	0	4.791683	0.388457	1.136216
34	1	0	5.446674	1.109316	1.610798
35	6	0	3.471222	0.727487	0.873333
36	1	0	3.104525	1.712700	1.130107
37	6	0	2.597493	-0.184140	0.259044
38	6	0	1.207876	0.230696	0.007366
39	6	0	0.084738	3.590020	-0.591682
40	1	0	-0.795970	4.203276	-0.697437
41	6	0	1.331725	4.242658	-0.672855

Transition State Optimized XYZ coordinates for 9d

1	16	0	1.896672	-2.847544	-0.547927
2	16	0	-3.852488	1.580223	0.756935
3	8	0	1.128848	1.503101	-0.296180
4	7	0	2.457600	4.723968	-0.391294
5	6	0	-0.010353	2.249193	-0.212010
6	6	0	-1.248255	1.519743	-0.150261
7	6	0	-2.554231	2.241069	-0.354528
8	1	0	-2.901697	2.164079	-1.389219
9	1	0	-2.472499	3.295817	-0.101968
10	6	0	-3.716972	-0.103002	0.195994
11	6	0	-4.867862	-0.883107	0.066627
12	1	0	-5.827584	-0.463750	0.344835
13	6	0	-4.788757	-2.169393	-0.453948
14	1	0	-5.688636	-2.764778	-0.556752
15	6	0	-3.560349	-2.668457	-0.886096
16	1	0	-3.498494	-3.648895	-1.343438
17	6	0	-2.411112	-1.903550	-0.734783
18	1	0	-1.460583	-2.288789	-1.085411
19	6	0	-2.452893	-0.626019	-0.149442
20	6	0	-1.210100	0.162231	0.032825
21	6	0	0.054327	-0.494111	0.388878
22	6	0	-0.002950	-1.740996	1.260351
23	1	0	-0.986071	-2.189565	1.151252
24	1	0	0.041013	-1.396721	2.301935
25	6	0	1.059344	-2.841170	1.083984
26	1	0	0.602541	-3.827060	1.191465
27	1	0	1.847360	-2.766377	1.832727
28	6	0	3.040179	-1.519426	-0.209116
29	6	0	4.405667	-1.798615	-0.311891
30	1	0	4.713098	-2.800366	-0.585958
31	6	0	5.355652	-0.815823	-0.059364
32	1	0	6.410350	-1.050555	-0.146344
33	6	0	4.944967	0.460998	0.317892
34	1	0	5.675223	1.233879	0.525970
35	6	0	3.592702	0.753375	0.414970
36	1	0	3.281040	1.756371	0.672412
37	6	0	2.611539	-0.221444	0.150558
38	6	0	1.198516	0.195976	0.122933

39	6	0	0.148056	3.603745	-0.285977
40	1	0	-0.711334	4.255820	-0.292294
41	6	0	1.418777	4.211355	-0.353403

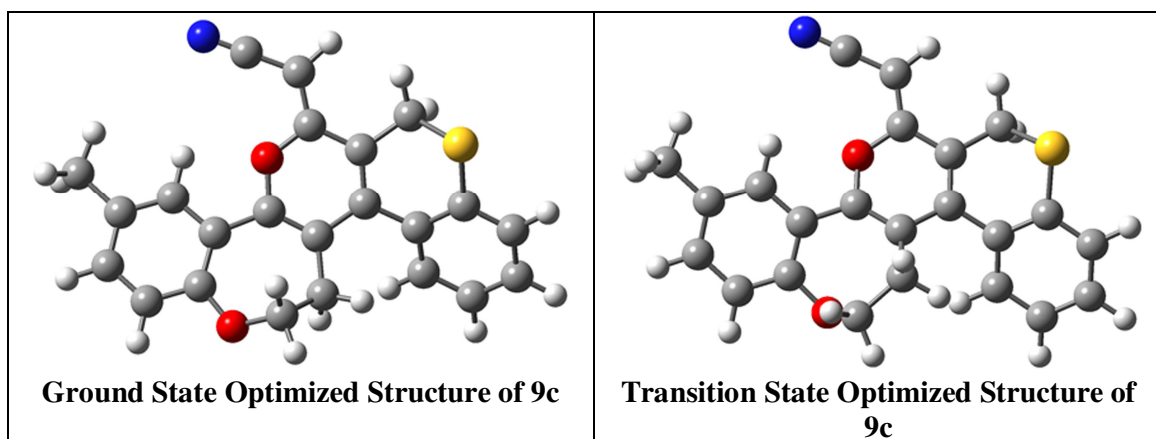


Ground State Optimized Structure of 4f

Ground state Optimized XYZ coordinates for 4f

1	16	0	-0.781725	-2.735331	0.244083
2	17	0	-5.616448	1.295305	-0.277118
3	8	0	-0.471946	1.668541	-0.280524
4	8	0	0.569196	3.634671	-0.198684
5	7	0	3.948056	3.242458	0.481124
6	7	0	3.016590	-0.486141	0.138512
7	6	0	-2.112121	-1.568290	0.094520
8	6	0	-3.413187	-2.053303	-0.051965
9	1	0	-3.589076	-3.122610	-0.048896
10	6	0	-4.487781	-1.183225	-0.177031
11	1	0	-5.495234	-1.564844	-0.280674
12	6	0	-4.257894	0.190850	-0.146605
13	6	0	-2.976472	0.697856	-0.019613
14	1	0	-2.804446	1.764803	-0.020914
15	6	0	-1.880483	-0.174500	0.090660
16	6	0	-0.521176	0.377704	0.091917
17	6	0	0.692008	2.448638	-0.084704
18	6	0	1.911162	1.698535	0.152837
19	6	0	1.905075	0.287877	0.221992
20	6	0	0.596645	-0.334799	0.409764
21	6	0	0.362882	-1.630916	1.150695
22	1	0	-0.089032	-1.422495	2.124065
23	1	0	1.263961	-2.202948	1.331771
24	6	0	4.383254	0.066020	-0.058044
25	1	0	4.715673	0.605720	0.826481
26	1	0	4.376357	0.766071	-0.897022
27	6	0	5.246809	-1.154402	-0.380647
28	1	0	5.602931	-1.627473	0.539438
29	1	0	6.118199	-0.882661	-0.977257
30	6	0	4.267758	-2.078459	-1.108926
31	1	0	4.105234	-1.732369	-2.133860
32	1	0	4.592015	-3.119510	-1.148149
33	6	0	2.990433	-1.911128	-0.284984

34	1	0	2.082683	-2.126448	-0.848436
35	1	0	3.032478	-2.575823	0.584758
36	6	0	3.050578	2.532504	0.308564



Ground State Optimized XYZ coordinates for 9c

1	16	0	3.829333	1.571070	1.055344
2	8	0	-1.056501	1.229243	-0.104925
3	8	0	-1.928571	-3.032533	0.705460
4	7	0	-2.667396	4.281439	-0.113644
5	6	0	1.409083	0.075738	-0.144188
6	6	0	2.741953	-0.536251	-0.374798
7	6	0	2.892788	-1.668580	-1.193204
8	6	0	4.126667	-2.280782	-1.371137
9	6	0	5.253520	-1.769370	-0.729833
10	6	0	5.147935	-0.609536	0.028540
11	6	0	3.912961	0.022607	0.184966
12	6	0	2.548878	2.306015	-0.031022
13	6	0	1.316918	1.443360	-0.054362
14	6	0	0.021707	2.056678	-0.034728
15	6	0	-1.003578	-0.132666	0.015381
16	6	0	-2.379988	-0.675770	0.060427
17	6	0	-3.433914	0.221471	-0.255992
18	6	0	-4.763678	-0.154228	-0.348703
19	6	0	-5.081885	-1.498700	-0.110096
20	6	0	-4.093463	-2.399355	0.232732
21	6	0	-2.751644	-2.012168	0.334833
22	6	0	-0.679714	-2.742151	1.319457
23	6	0	0.348173	-2.226488	0.321199
24	6	0	0.215070	-0.753125	0.011364
25	6	0	-0.257499	3.396625	-0.024771
26	6	0	-1.579911	3.881492	-0.070175
27	6	0	-5.832576	0.850842	-0.704588
28	1	0	2.027787	-2.066721	-1.706924
29	1	0	4.208210	-3.151957	-2.010290
30	1	0	6.218444	-2.247883	-0.851239
31	1	0	6.030328	-0.166690	0.475317
32	1	0	2.340521	3.284805	0.395053
33	1	0	2.974391	2.446853	-1.028992

34	1	0	0.539463	4.123127	-0.015482
35	1	0	-3.183811	1.254225	-0.444148
36	1	0	-6.111895	-1.834555	-0.174552
37	1	0	-4.323408	-3.434693	0.452322
38	1	0	-0.820280	-2.036994	2.146389
39	1	0	-0.352095	-3.698347	1.728533
40	1	0	1.340441	-2.405057	0.739851
41	1	0	0.274034	-2.853524	-0.573148
42	1	0	-6.651728	0.829649	0.020346
43	1	0	-5.429726	1.864535	-0.726903
44	1	0	-6.264473	0.638399	-1.688213

Transition State Optimized Coordinates for 9c

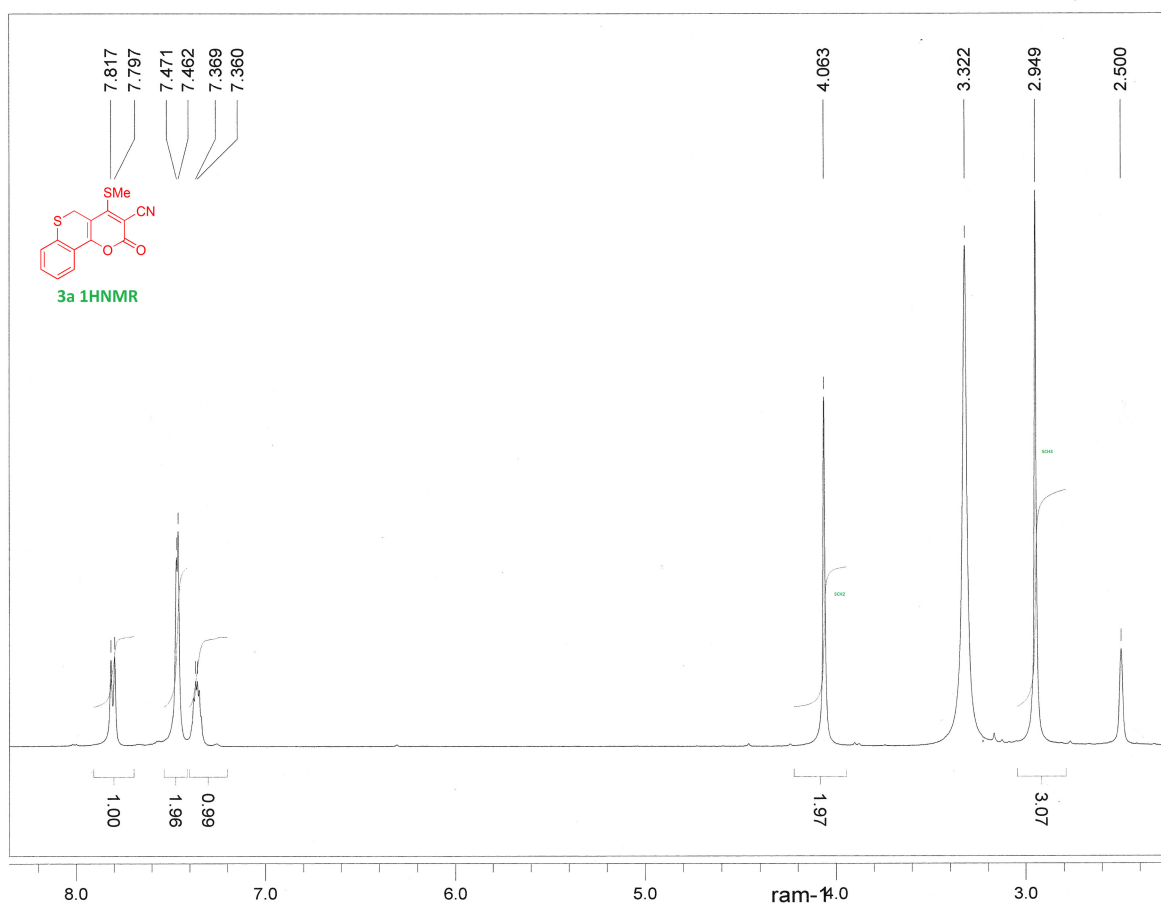
1	16	0	3.899611	1.694216	0.820553
2	8	0	-1.053158	1.277314	-0.294238
3	8	0	-1.554588	-2.856328	-0.293819
4	7	0	-2.633974	4.360860	-0.336757
5	6	0	1.383646	0.105521	0.006254
6	6	0	2.685524	-0.576400	-0.186993
7	6	0	2.749405	-1.828348	-0.823295
8	6	0	3.955137	-2.498187	-0.984861
9	6	0	5.135891	-1.924958	-0.513728
10	6	0	5.109808	-0.657330	0.055836
11	6	0	3.901144	0.027917	0.196494
12	6	0	2.565359	2.296595	-0.282491
13	6	0	1.316741	1.469428	-0.125717
14	6	0	0.027252	2.103432	-0.179949
15	6	0	-1.019745	-0.043499	0.069991
16	6	0	-2.374275	-0.603063	0.070661
17	6	0	-3.492700	0.247151	0.161169
18	6	0	-4.793946	-0.227103	0.028998
19	6	0	-4.977326	-1.593731	-0.219864
20	6	0	-3.892157	-2.456116	-0.309870
21	6	0	-2.595826	-1.971575	-0.164039
22	6	0	-0.790719	-3.025895	0.906065
23	6	0	0.287405	-1.942512	1.117523
24	6	0	0.172230	-0.657088	0.314614
25	6	0	-0.236951	3.443553	-0.218895
26	6	0	-1.553336	3.943824	-0.291415
27	6	0	-5.974493	0.706411	0.150614
28	1	0	1.836163	-2.269459	-1.205449
29	1	0	3.974230	-3.461248	-1.481174
30	1	0	6.079858	-2.446059	-0.624239
31	1	0	6.031222	-0.177734	0.364612
32	1	0	2.398897	3.330471	0.011814
33	1	0	2.930419	2.289926	-1.313969
34	1	0	0.566562	4.162890	-0.195813
35	1	0	-3.328266	1.305638	0.314817
36	1	0	-5.981213	-1.987427	-0.342645
37	1	0	-4.024691	-3.513074	-0.507126
38	1	0	-1.477206	-3.064314	1.757265
39	1	0	-0.319662	-4.005518	0.810926
40	1	0	0.281550	-1.654666	2.176908

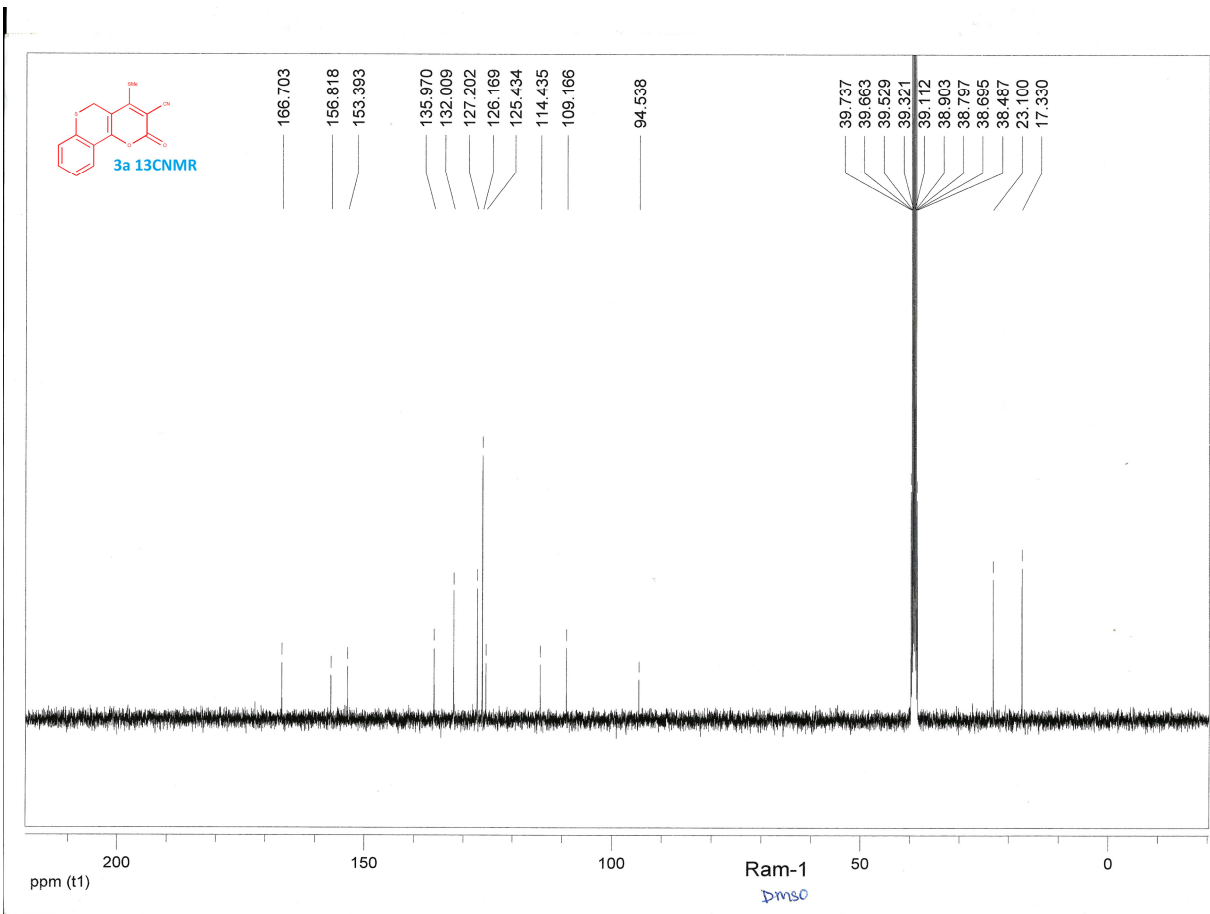
41	1	0	1.266250	-2.381863	0.947595
42	1	0	-6.714809	0.513079	-0.630260
43	1	0	-6.478097	0.580456	1.115035
44	1	0	-5.663621	1.749386	0.071984

Table S1. Selected Metric Parameters for the compounds **9d**, **9c** and **4f**

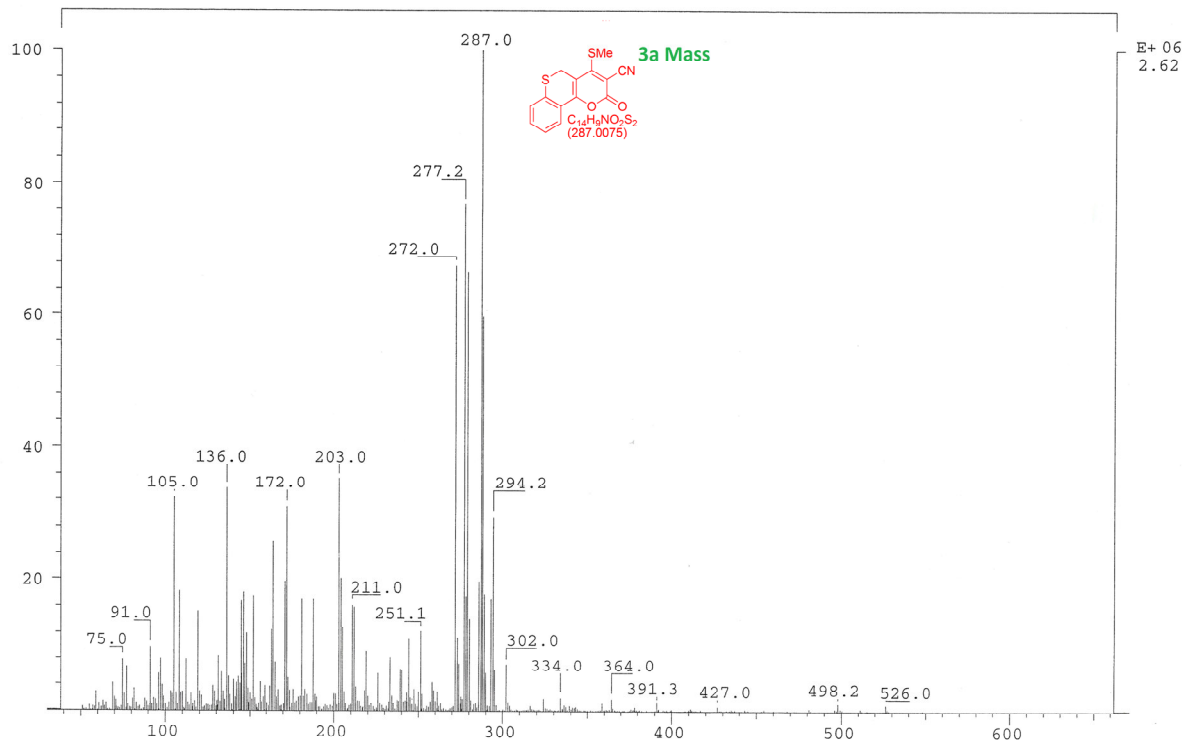
9d			
Torsion Angle	Ground State		Transition State
	Experimental	Calculated	
C8-C9-C10-C11	-38.71°	-38.48°	-36.63°
C9-C10-C11-C12	-10.86°	-10.21°	-32.26°
C10-C11-C12-C13	+110.52°	+112.60°	+148.36°
Twist Angle			
RingA-RingC	38.69°	36.96°	36.80°
RingC-RingE	44.95°	35.70	28.16
9c			
Torsion Angle			
C3-C2-C1-C20	38.01°	38.24°	36.63°
C2-C1-C20-C19	21.90°	16.92°	31.42°
C1-C20-C19-C18	149.46°	152.41°	152.86°
Twist Angle			
RingA-RingC	36.49°	37.40°	34.96°
RingC-RingE	4.13°	4.62°	18.66°
4f			
Torsion Angle			
C5-C6-C7-O1	16.21°	12.44°	
C6-C7-O1-C8	171.73°	167.01°	

Copy of Spectral Data:



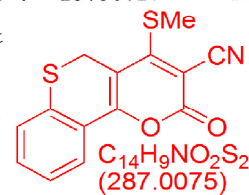


SPEC: kaz1754 21-Oct-09 Elapse: 00:26.9 3
Samp: RAM - 1 Start : 13:36:27 14
Mode: CI +VE +LMR BSCAN (EXP) UP HR NRM
Oper: Thomes
Base: 287.0 Inten : 2619007 Inlet :
Norm: 287.0 RIC : 38367119 Masses: 50 > 650
Peak: 3000.00 mmu #peaks: 919

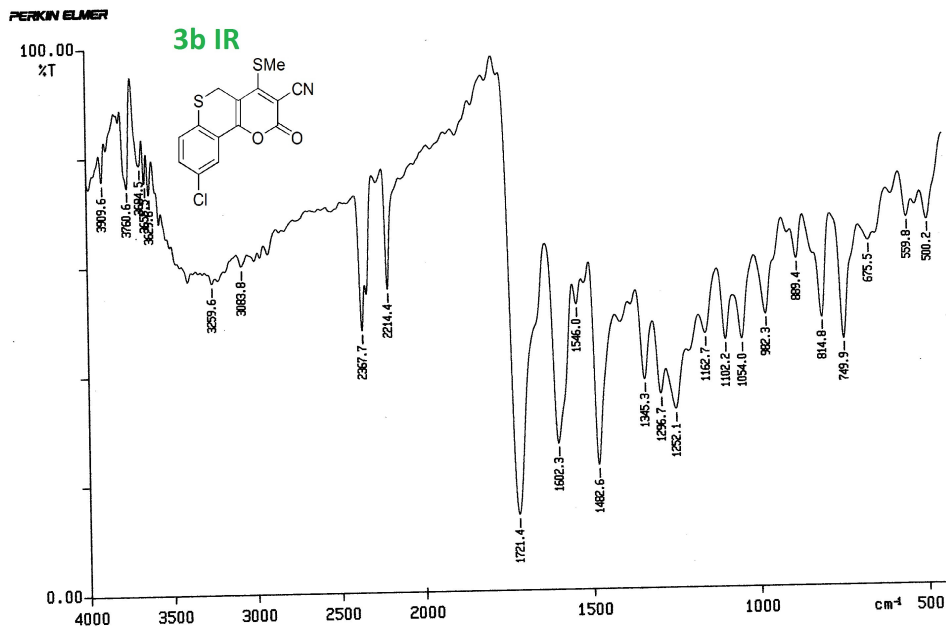


LIST: kazhr1754 21-Oct-09 Elapse: 00:58.9 8
Samp: RAM - 1 Start : 13:36:27 12
Mode: CI +VE +LMR BSCAN (EXP) UP HR NRM
Oper: Thomes Inlet
Limit: (110) .N.O2.S2
: (1411) C100.H100.N.O2.S2
Peak: 3000.00 mmu R+D: -2.0 > 60.0
Data: CMASS : converted

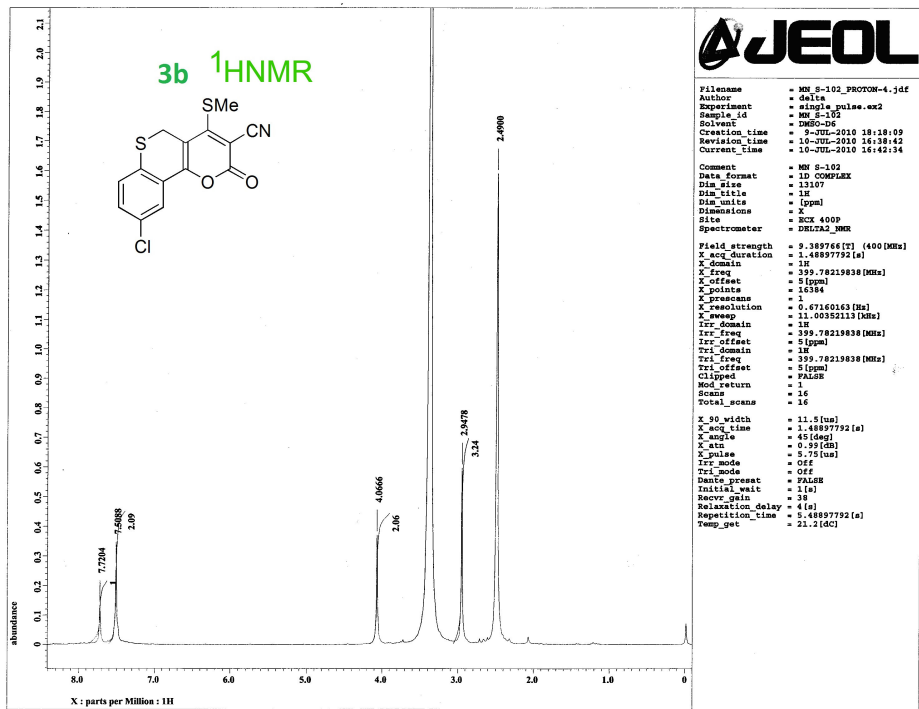
3a HRMS

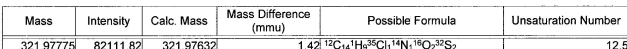
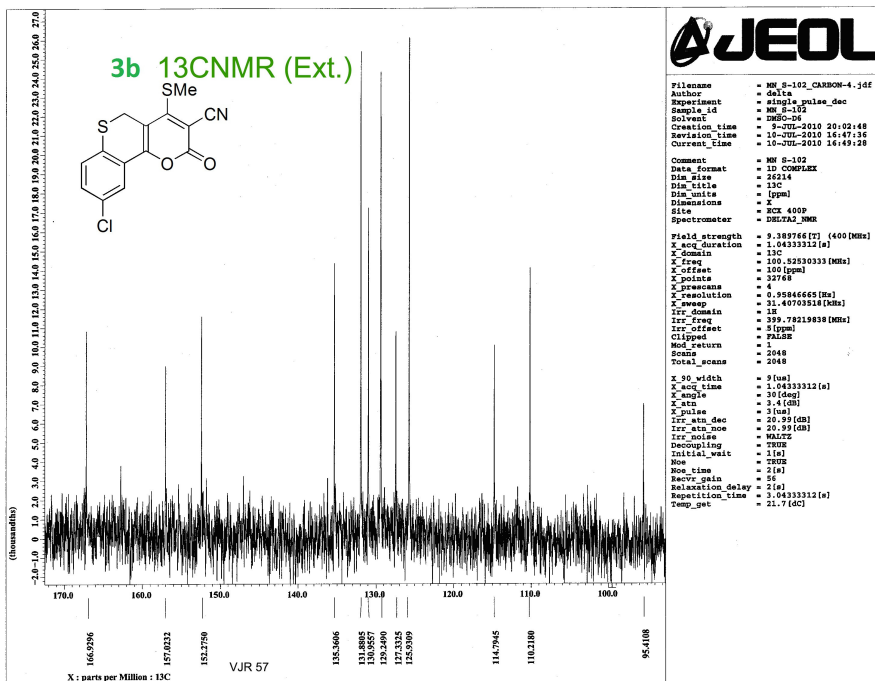


Mass	Intensity	%RA	Flags	Delta	R+D	Composition
279.1420	2132797	42.77	F#			
280.1436	426833	8.56	F#	-3.1	0.5	C12.H26.N.O2.S2
281.1471	47800	0.96	F#	1.2	0.0	C12.H27.N.O2.S2
281.9914	36021	0.72	F#			
282.1499	4053	0.08	F#			
283.0490	59427	1.19	#			
284.0701	48686	0.98	F#			
285.0748	23938	0.48	#			
286.0023	832058	16.69	#	-2.7	11.5	C14.H8.N.O2.S2
287.0084	4986247	100.00	#	-0.9	11.0	C14.H9.N.O2.S2
288.0145	2744068	55.03	#	0.8	10.5	C14.H10.N.O2.S2
289.0117	852273	17.09	#			
290.0124	273603	5.49	F#			
290.1565	8536	0.17	F#			
291.0065	86962	1.74	F#			
291.1625	6814	0.14	F#			



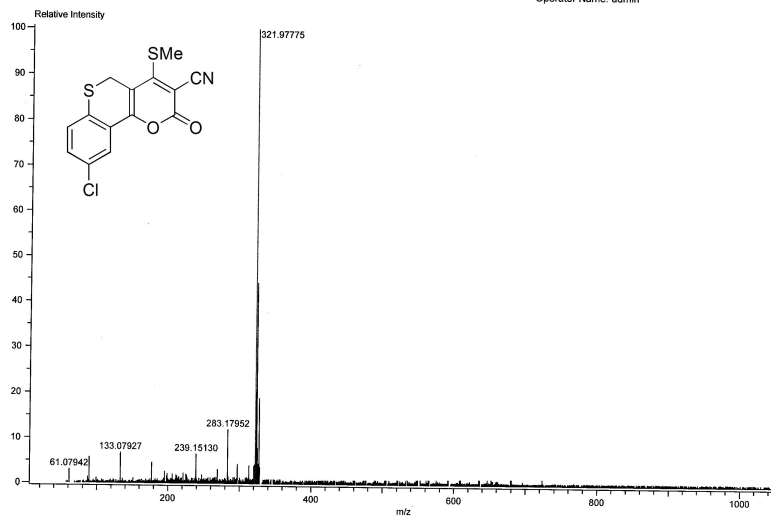
10/05/20 10:41 CODE- VJR 57
X: 4 scans, 4.0cm-1, flat, smooth, abex





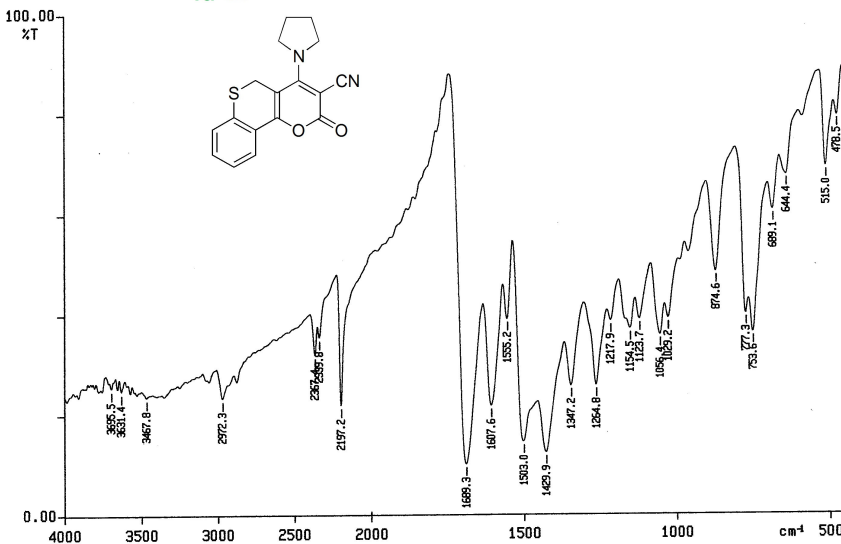
3b HRMS

Acq. Data Name: 9DEC125A
Internal Sample Id: VJR-57
Ionization Mode: ESI+
MS Calibration Name: YOKUDELNA_ES+ 2000
Reduction History: Determine m/z(Peak Detect(Centroid,50 Area),Correct Base(5.0%);Smooth(3));Add(Correct Base(5.0%);Average(MS(1)) 0.349, 0.363); 1.0];Correct Base(5.0%);...
Experiment Date/Time: 12/21/2009 12:38:26 PM
E:\CDRI\NOV09B\DEC09A\9DEC125A
Ion Guide RF Volt: 550V
Orifice1 Volt Sweep: 28V
Acquired m/z Range: 10.0, 1050.0
Time of Maximum: 0.246(min)
Operator Name: admin



PERKIN ELMER

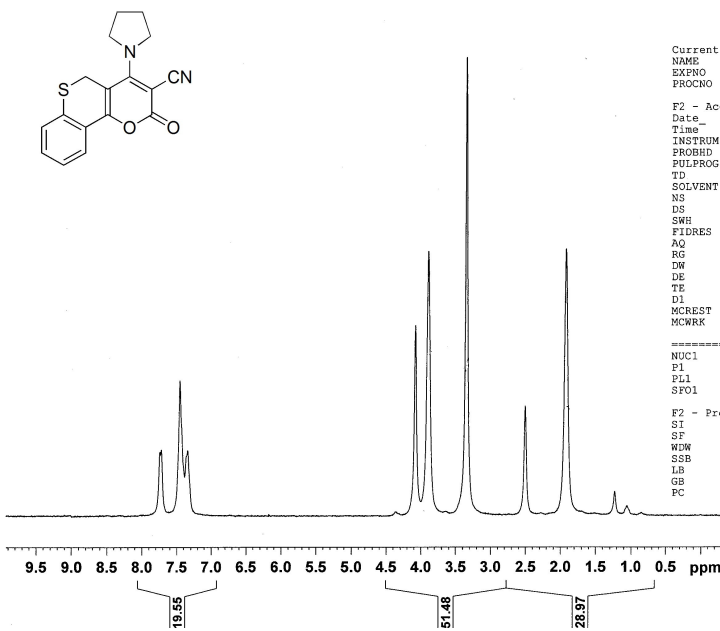
4a IR



10/05/24 10:49 CODE-VJR-34
X: 4 scans, 4.0cm-1, smooth, abex

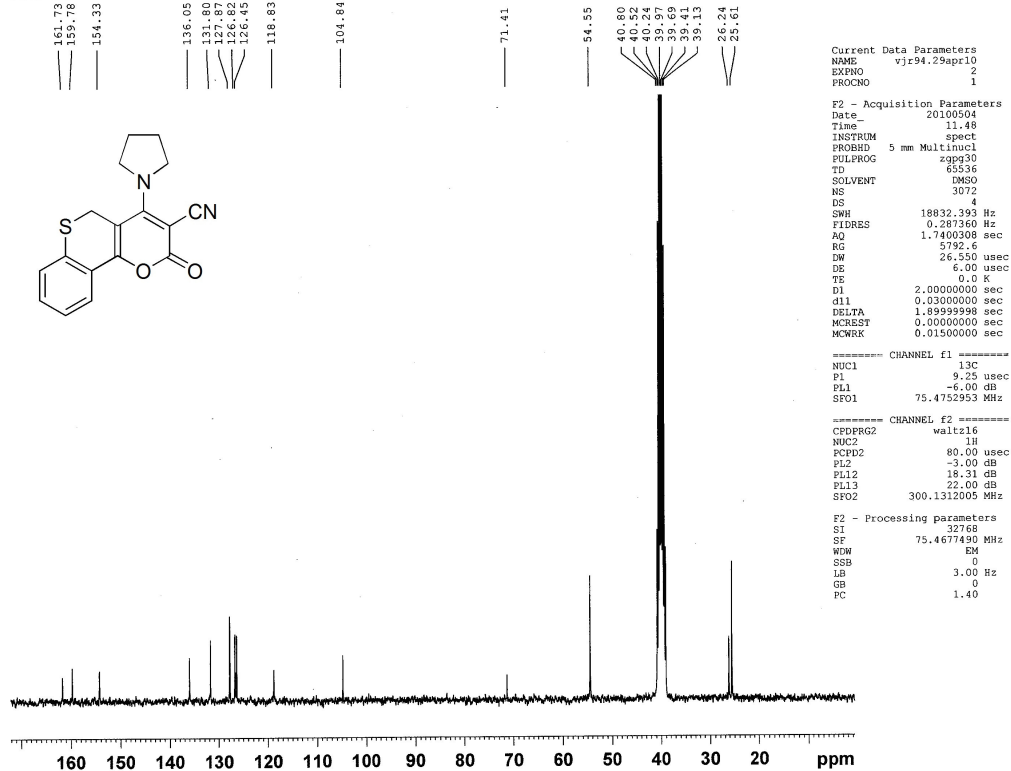
4a ¹H NMR

VJR-94

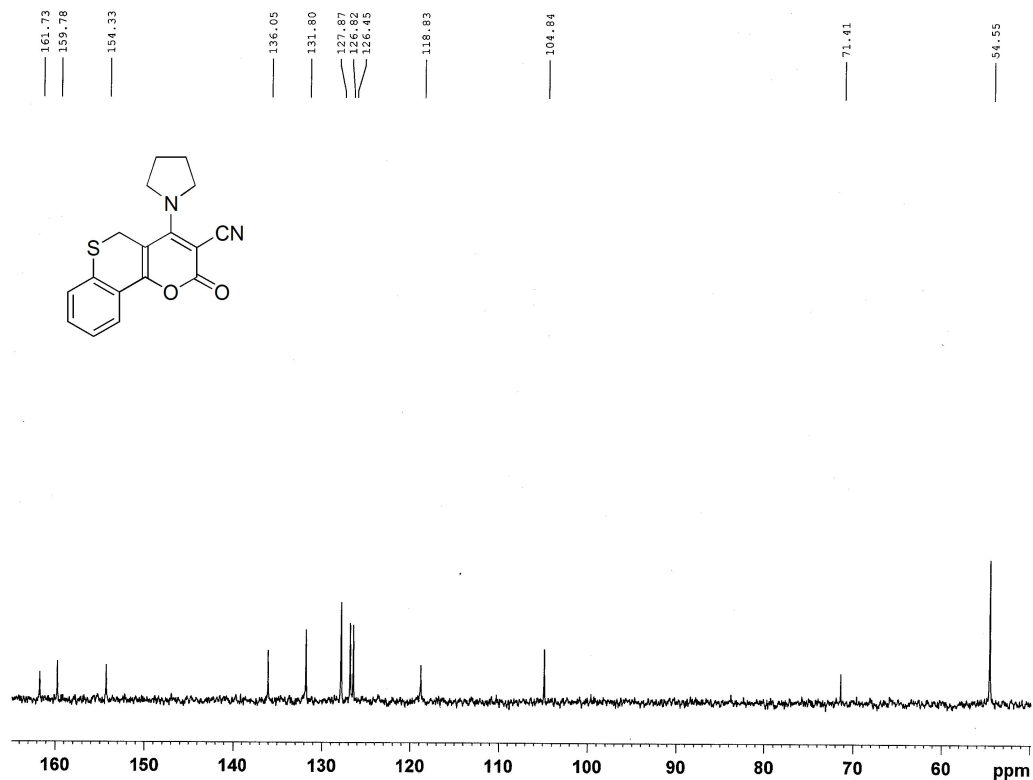


4a ¹³C NMR

VJR-94

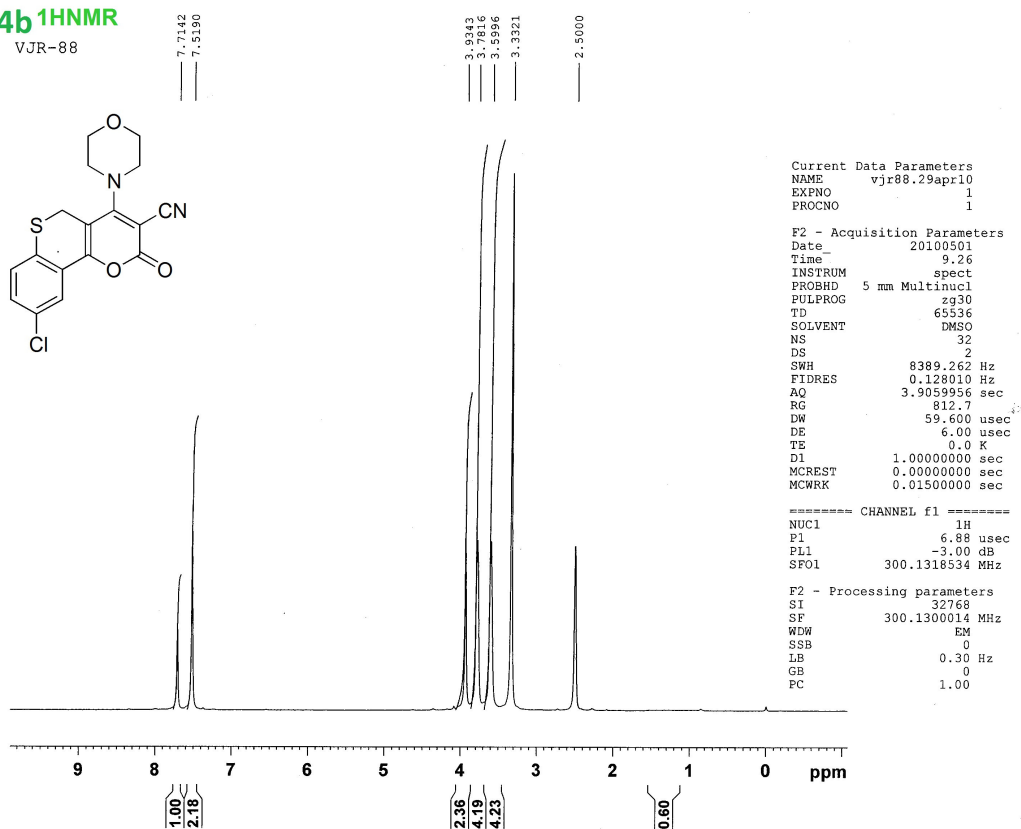


4a ¹³CNMR (Ext.)

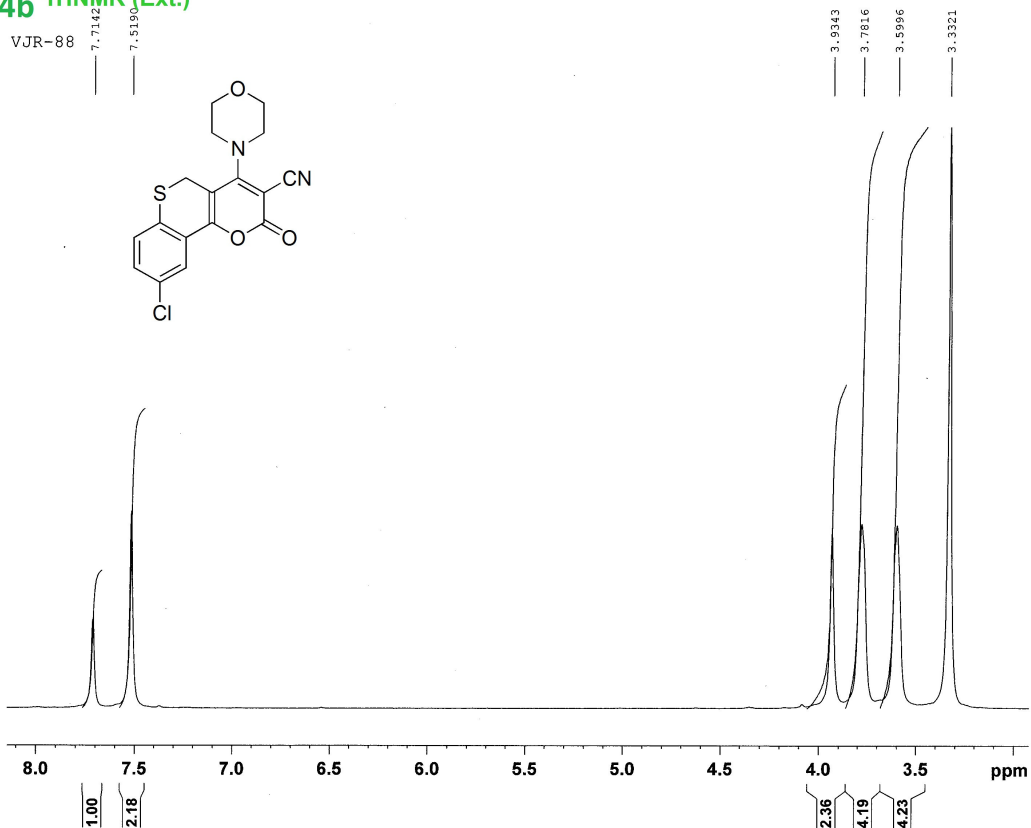


4b ¹HNMR

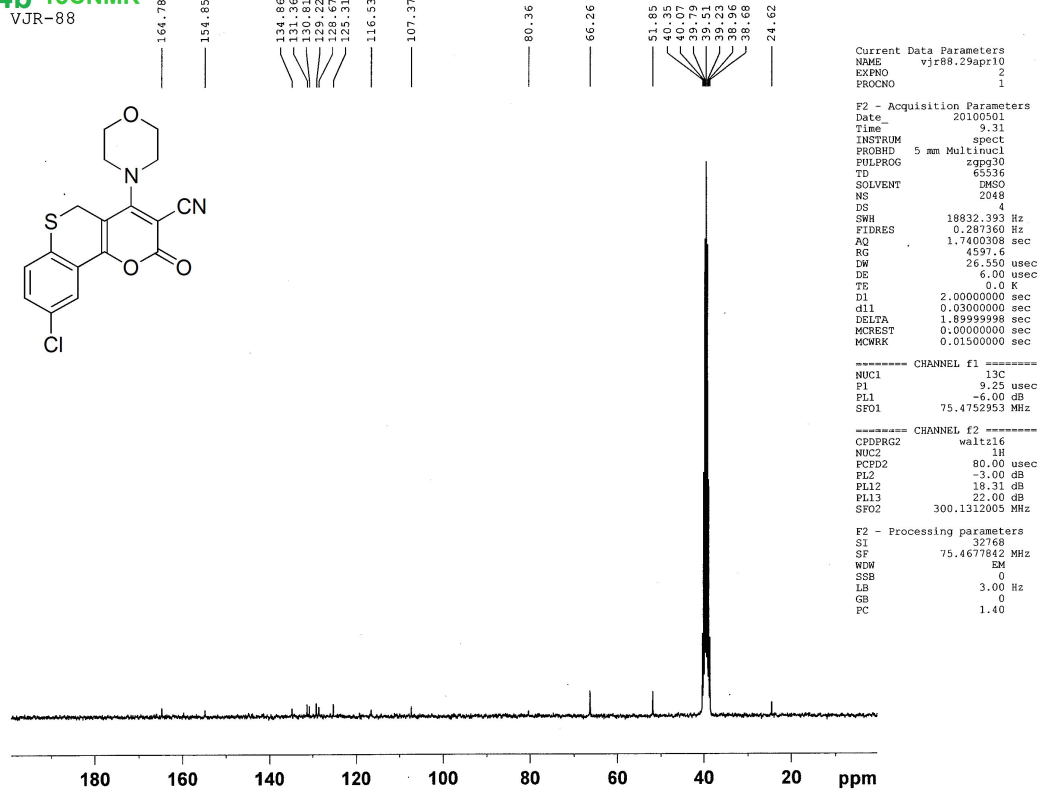
VJR-88



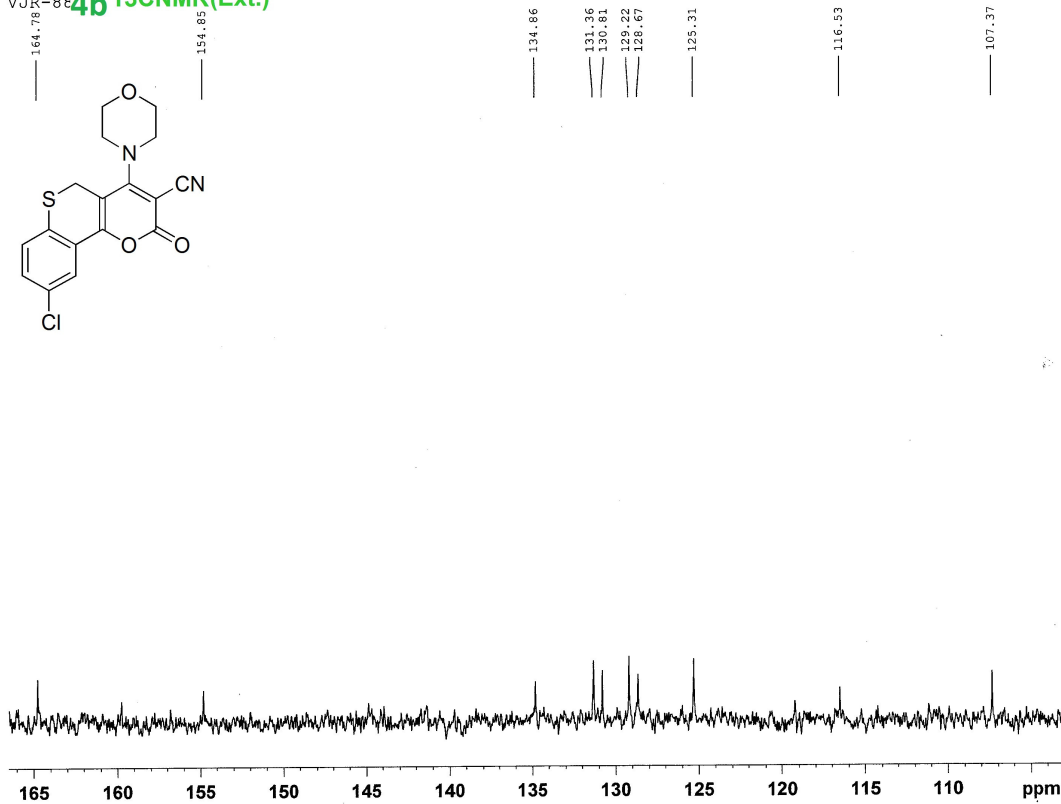
4b ¹H NMR (Ext.)



4b ¹³C NMR

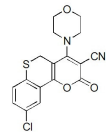


VJR-88 **4b** ¹³CNMR(Ext.)



4b HRMS

Data: 10JULY129A
Sample Name: VJR-88
Description:
Ionization Mode: ESI+
History: Determine m/z[Peak Detect[Centroid,50,Area];Correct Base[5.0%];Smooth[3]];Add[Correct Base[5.0%];Ave...



Acquired: 7/6/2010 4:45:39 PM
Operator: admin
Mass Calibration data: YOKUDELNA_ES+_2000
Created: 7/6/2010 5:09:25 PM
Created by: admin

Charge number: 1
Tolerance: 5.00(mmu)
Element: ¹²C: 0 .. 17, ¹H: 0 .. 14, ³⁵Cl: 0 .. 1, ¹⁴N: 0 .. 2, ¹⁶O: 0 .. 3, ³²S: 0 .. 1.

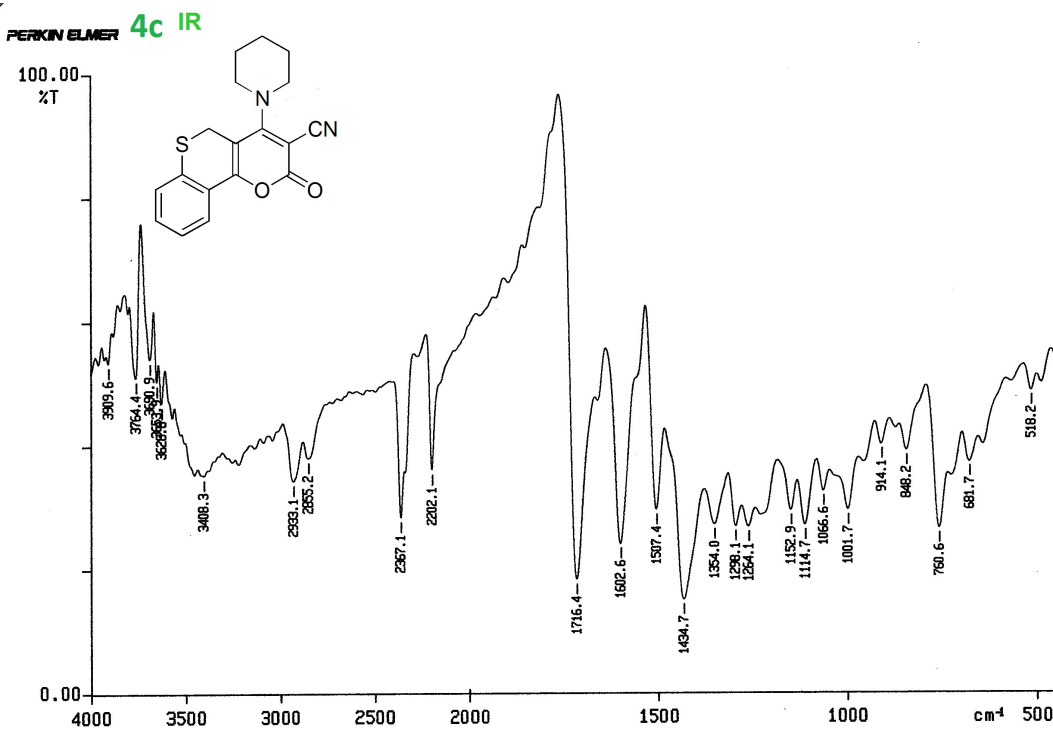
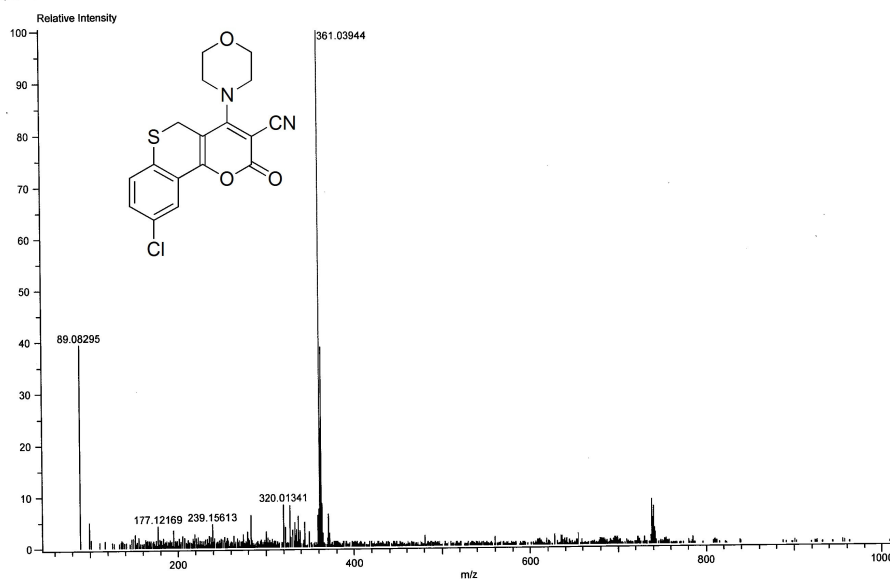
Unsaturation Number: -1.5 .. 20.0 (Fraction: Both)

Mass	Intensity	Calc. Mass	Mass Difference (mmu)	Possible Formula	Unsaturation Number
361.03944	42492.83	361.04137	-1.93	¹² C ₁₇ ¹ H ₁₄ ³⁵ Cl ₁ ¹⁴ N ₂ ¹⁶ O ₃ ³² S ₁	12.5

Acq. Data Name: 10JULY129A
Internal Sample Id: VJR-88
Ionization Mode: ES+
MS Calibration Name: YOKUDELNA_ES+-2000
Reduction History: Determine m/z(Peak Detect(Centroid,50,Area);Correct Base[5.0%];Smooth[3]);Add[Correct Base[5.0%];Average[MS[1] 0.229, 0.237];,1.0];Correct Base[5.0%];
Experiment Date/Time: 7/6/2010 4:45:39 PM

4b HRMS

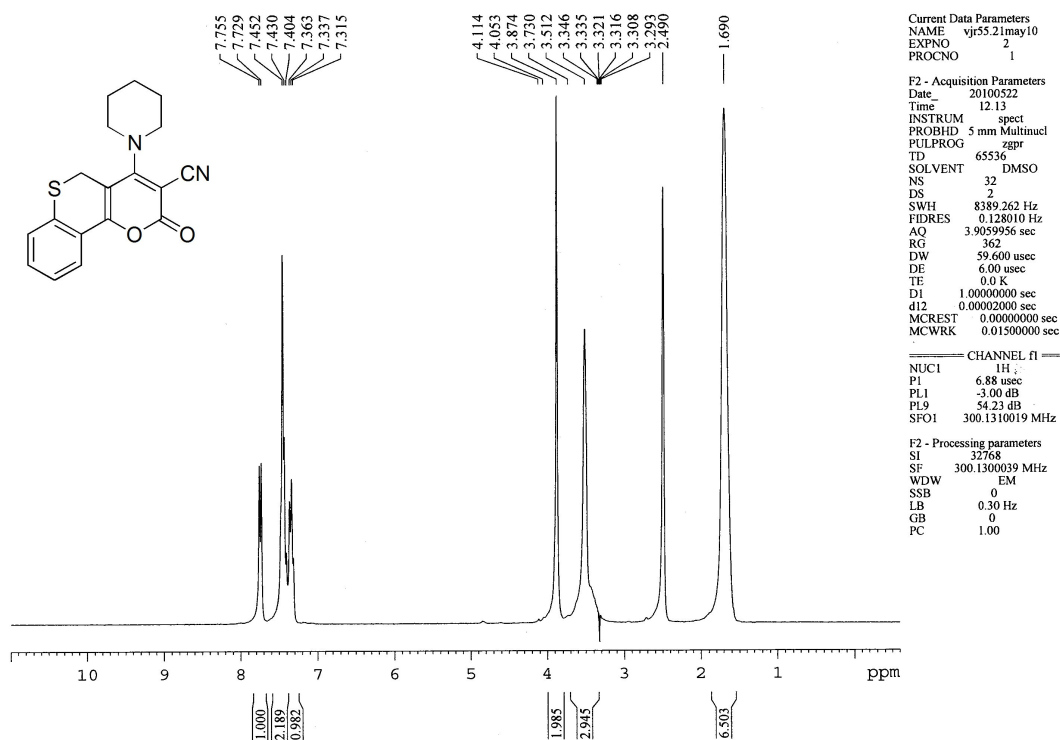
Orifice1 Volt Sweep: 15V
Acquired m/z Range: 50.0..1010.0
Spec. Record Interval: 0.4[s]
Ring Lens Volt: 11[V]
Time of Maximum: 0.142[min]
Operator Name: admin



10/05/20 10:35 CODE-VJR-55
X: 4 scans, 4.0cm-1, flat, smooth, abex

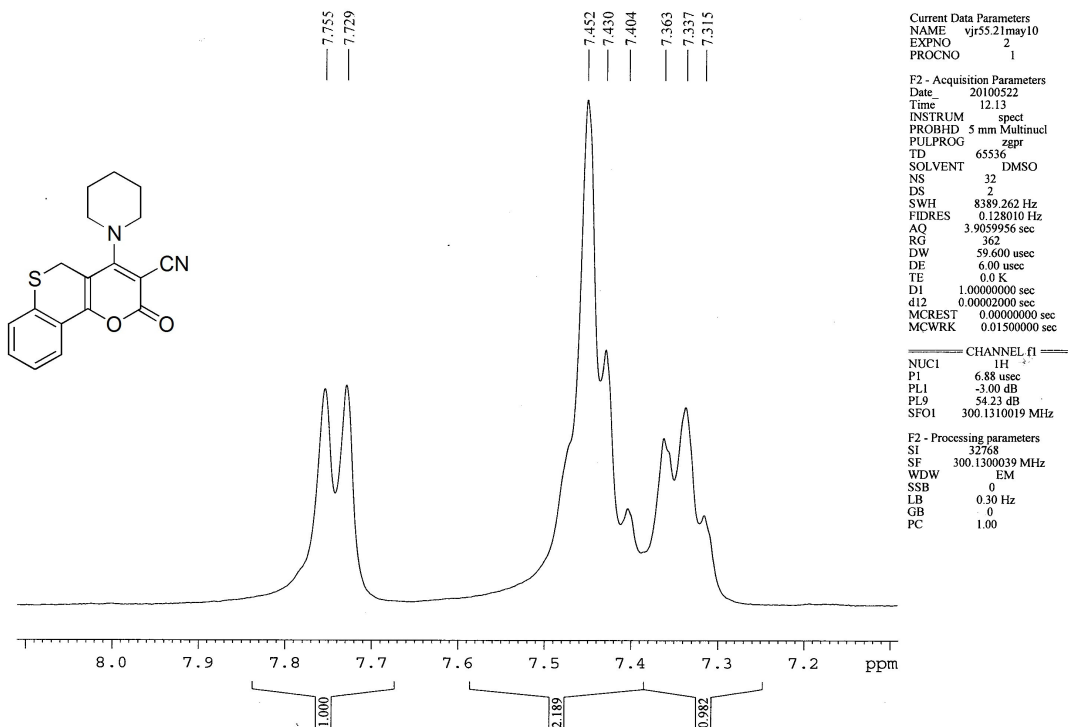
4c ¹H NMR

VJR-55

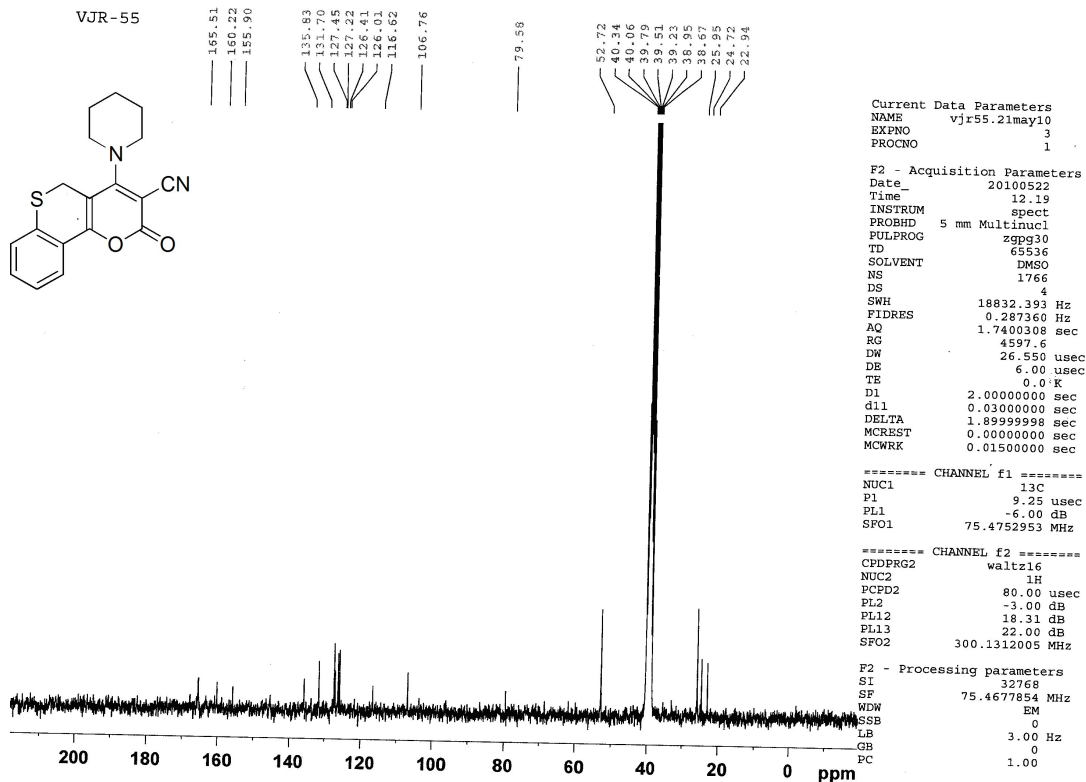


4c ¹H NMR (Ext.)

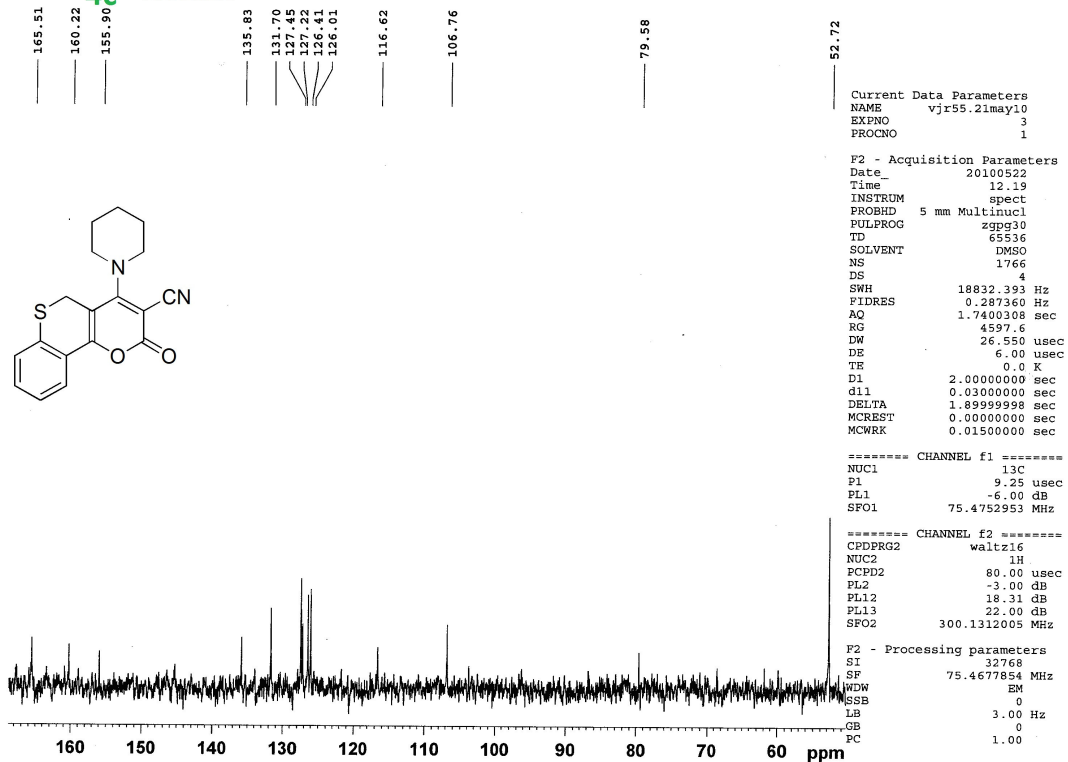
VJR-55

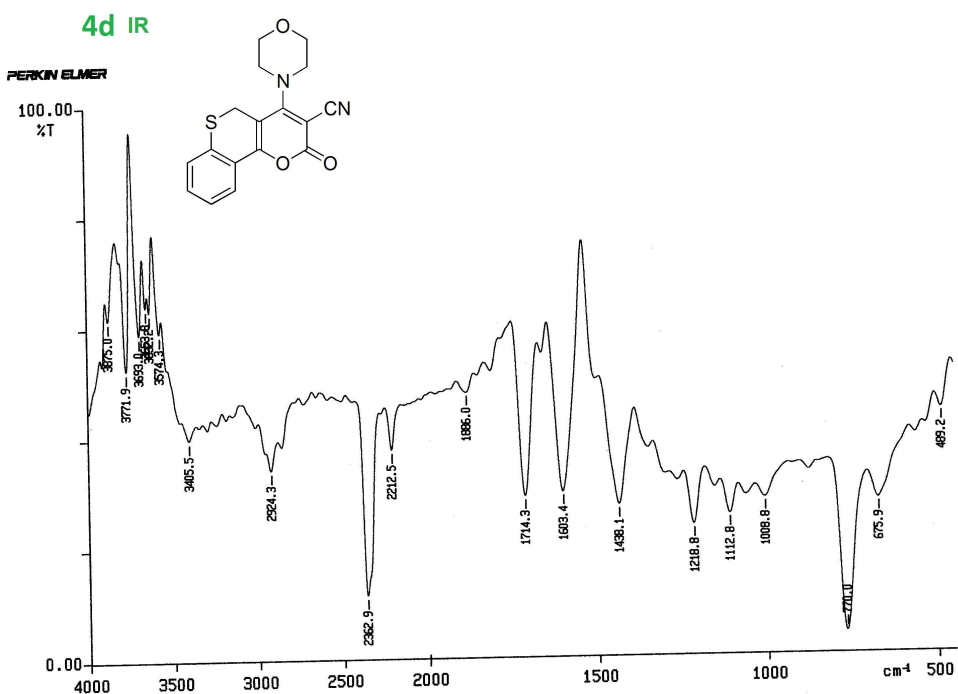


4c ¹³CNMR

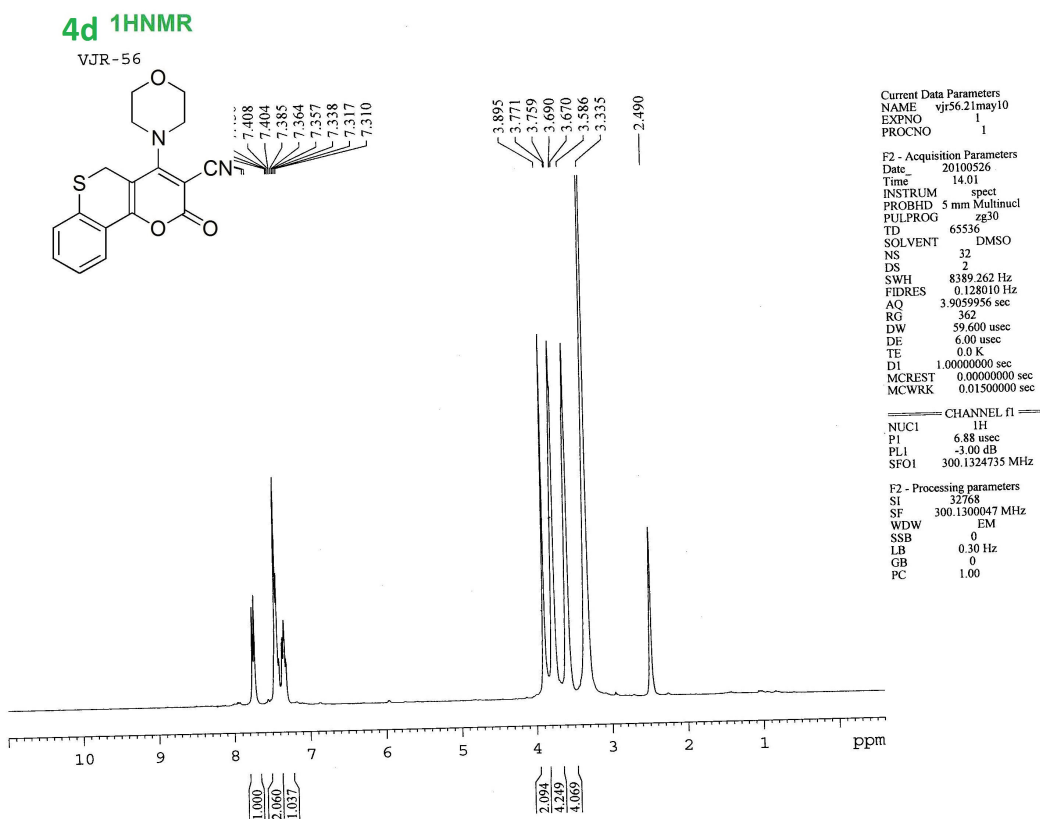


VJR-55 4c ¹³CNMR



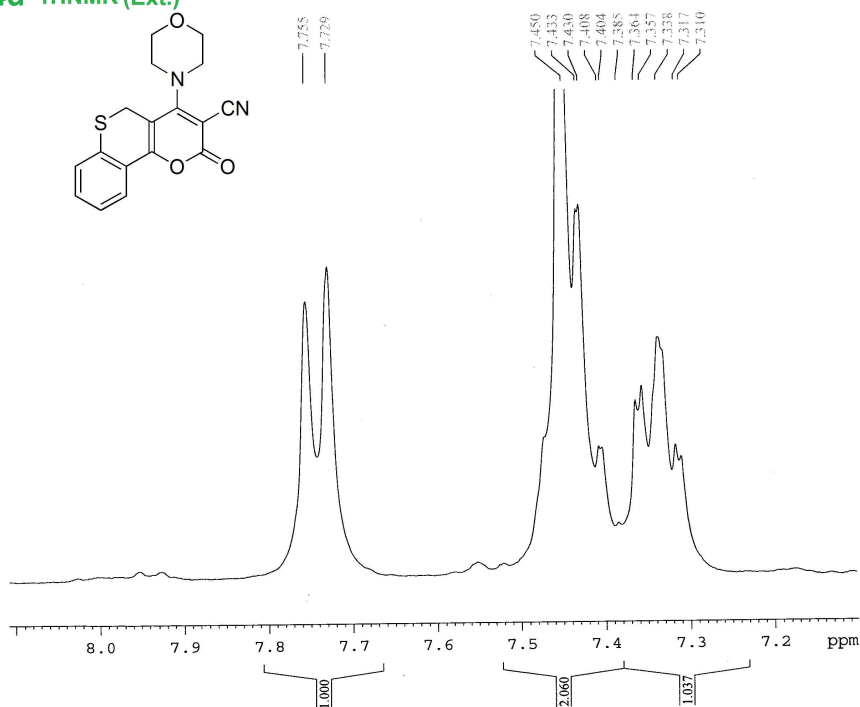


10/05/20 10:50 CODE-VJR-56
X: 4 scans, 4.0cm-1, flat, smooth, abex



VJR-56

4d 1H NMR (Ext.)



Current Data Parameters
NAME vjr56.21may10
EXPNO 1
PROCNO 1

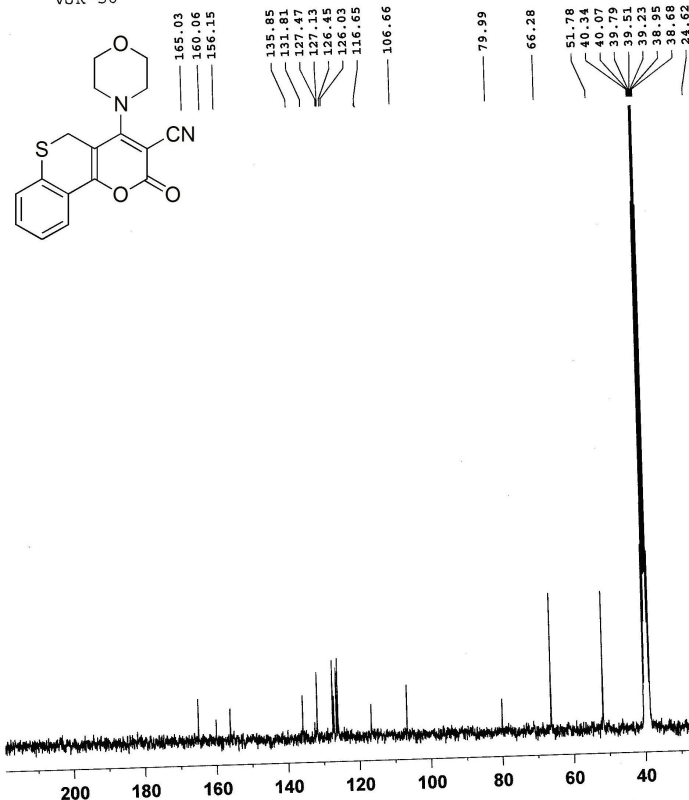
F2 - Acquisition Parameters
Date_ 20100526
Time 14.01
INSTRUM spect
PROBHD 5 mm Multinucl
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 32
DS 2
SWH 8389.262 Hz
FIDRES 0.128010 Hz
AQ 3.9059956 sec
RG 362
DW 59.600 usec
DE 6.00 usec
TE 0.0 K
D1 1.00000000 sec
MCREST 0.00000000 sec
MCWRK 0.01500000 sec

===== CHANNEL f1 =====
NUC1 1H
P1 6.88 usec
PL1 -3.00 dB
SFO1 300.1324735 MHz

F2 - Processing parameters
SI 32768
SF 300.1300047 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

4d 13C NMR

VJR-56



Current Data Parameters
NAME vjr56.21may10
EXPNO 2
PROCNO 1

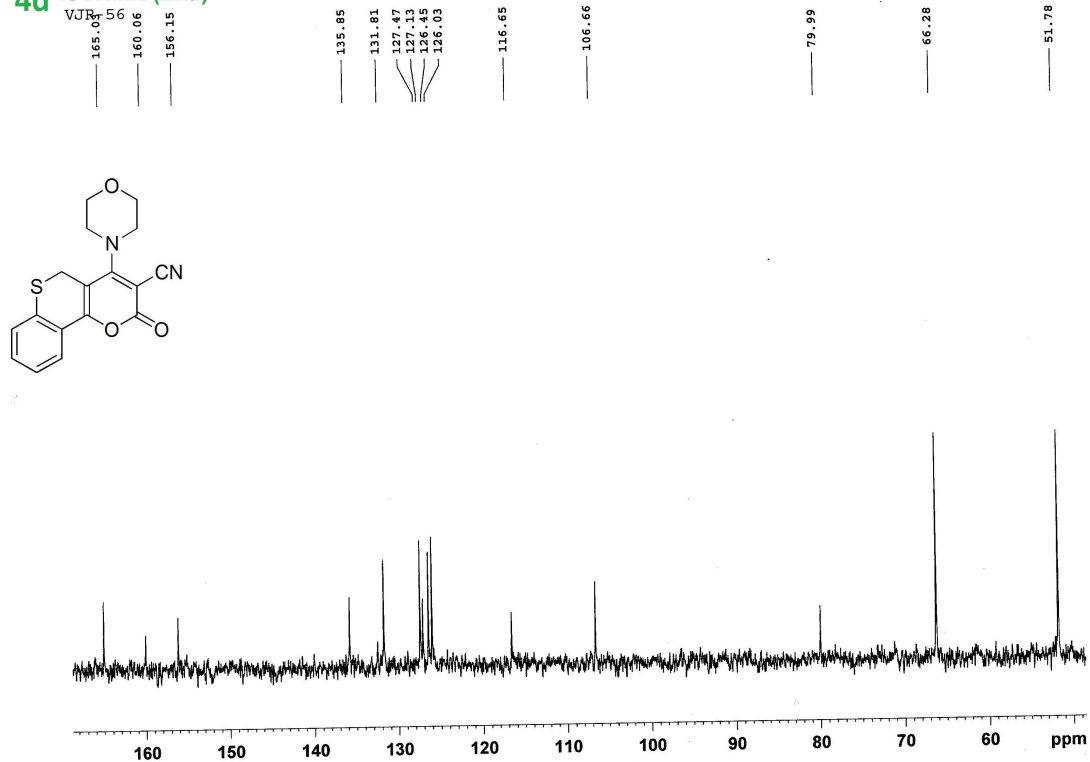
F2 - Acquisition Parameters
Date_ 20100526
Time 14.11
INSTRUM spect
PROBHD 5 mm Multinucl
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 1206
DS 4
SWH 18832.393 Hz
FIDRES 0.287360 Hz
AQ 1.7400308 sec
RG 8192
DW 26.550 usec
DE 6.00 usec
TE 0.0 K
D1 2.00000000 sec
d11 0.03000000 sec
DELTA 1.89999998 sec
MCREST 0.00000000 sec
MCWRK 0.01500000 sec

===== CHANNEL f1 =====
NUC1 13C
P1 9.25 usec
PL1 -6.00 dB
SFO1 75.4752953 MHz

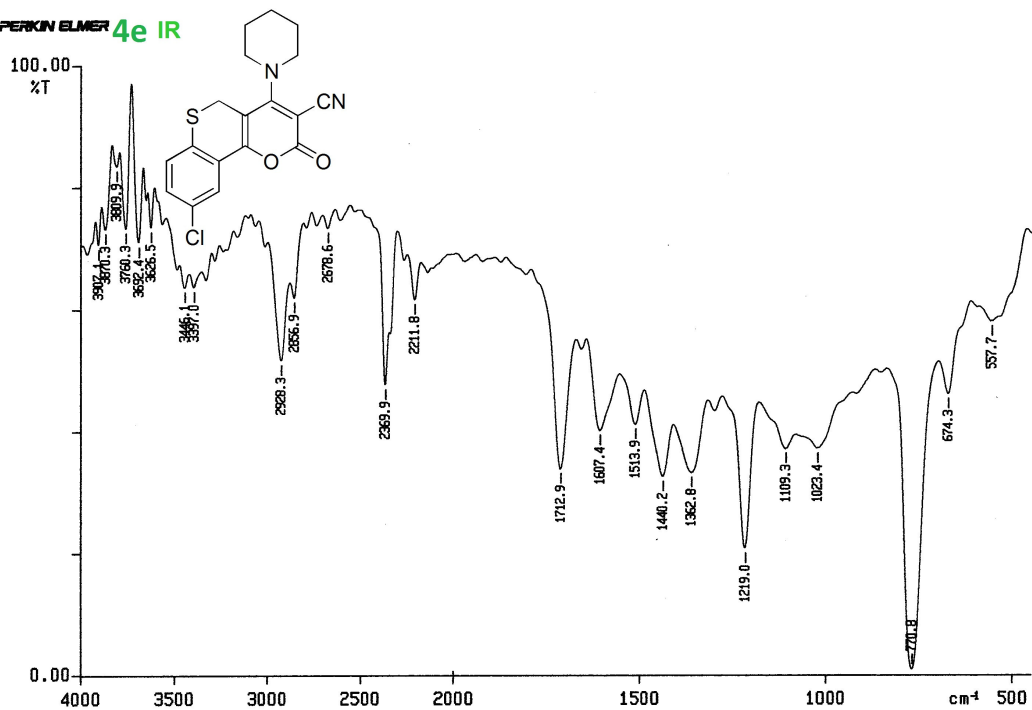
===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -3.00 dB
PL12 18.31 dB
PL13 22.00 dB
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677848 MHz
WDW EM
SSB 0
LB 3.00 Hz
GB 0
PC 1.00

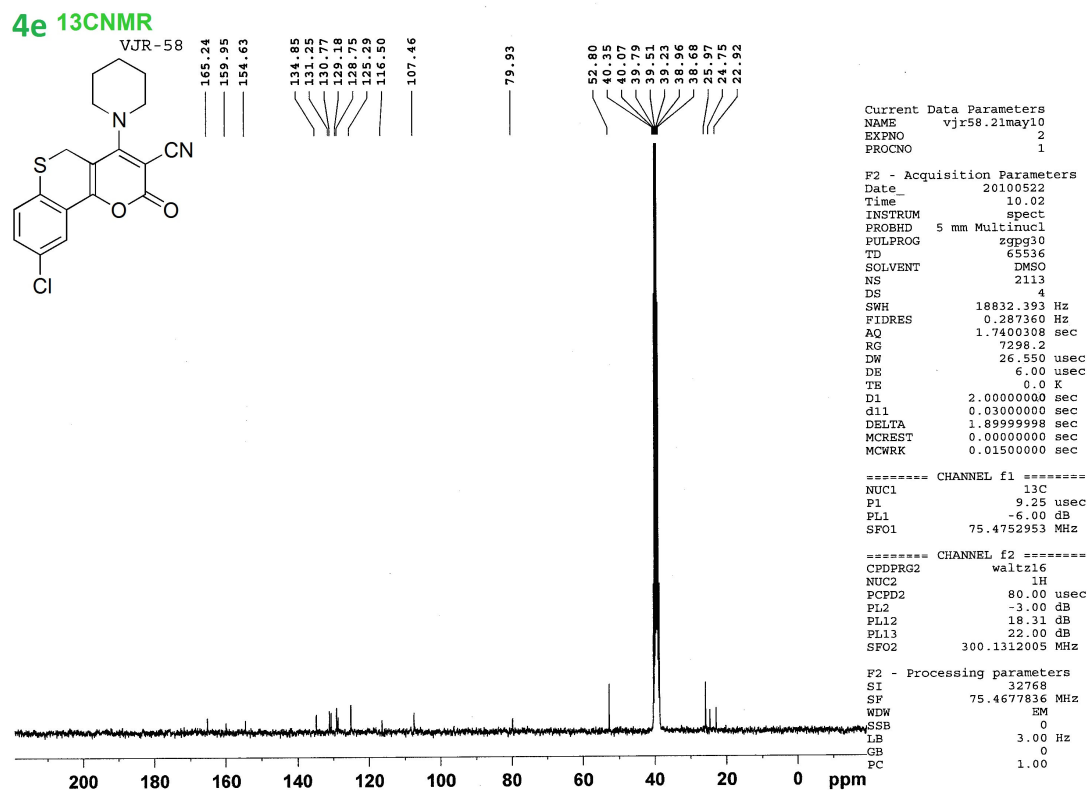
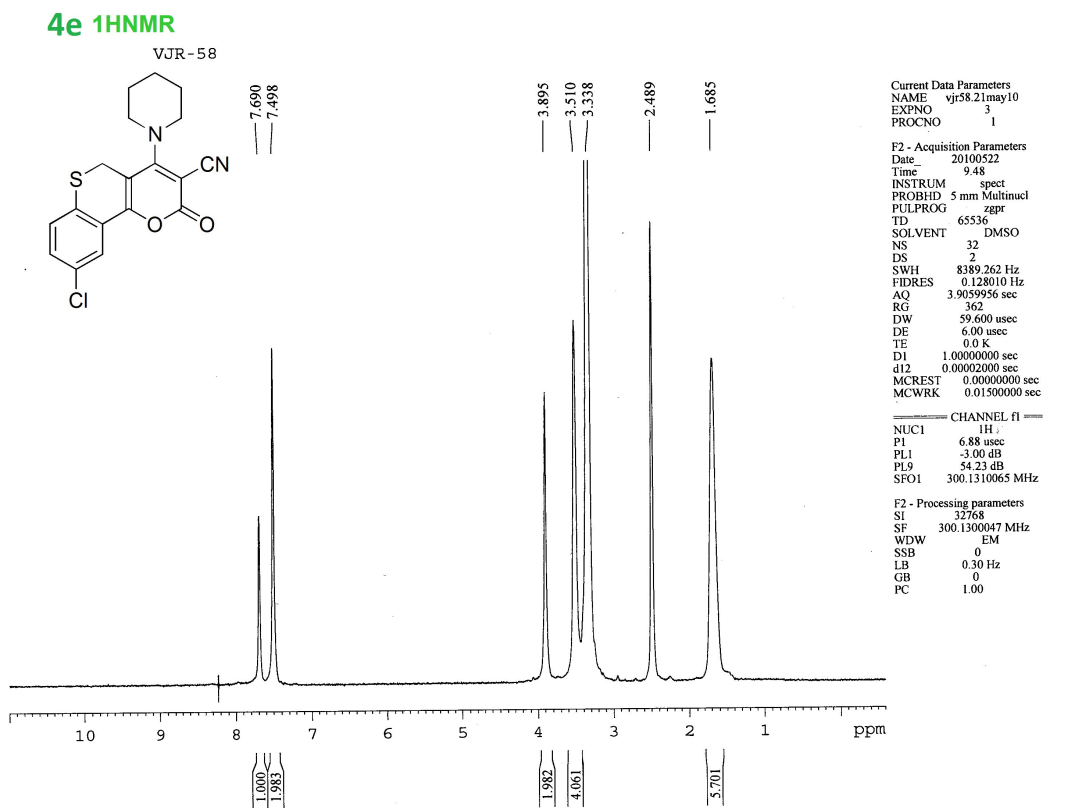
4d ¹³CNMR (Ext.)



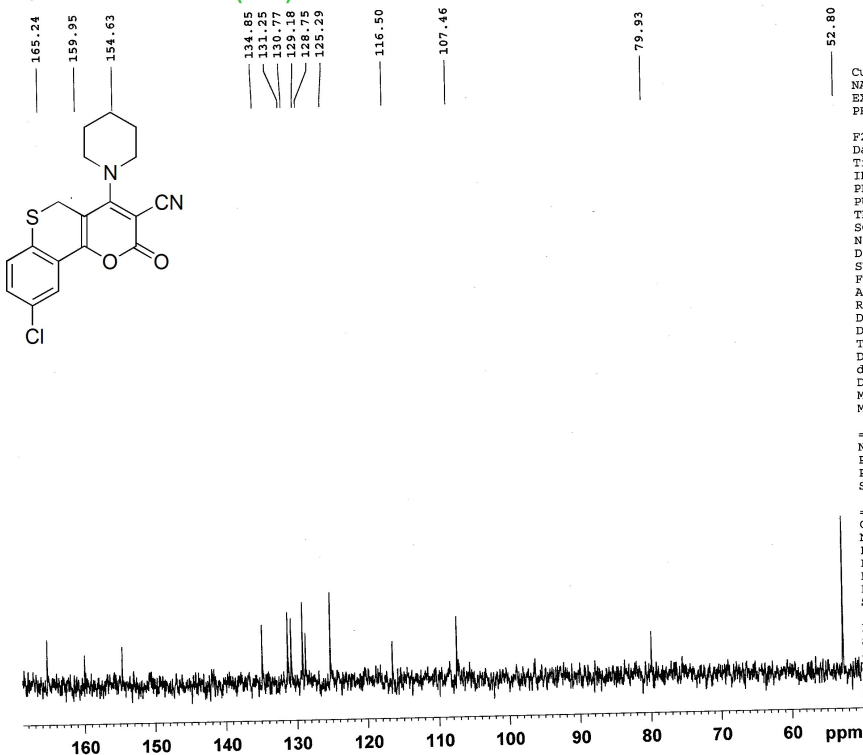
PERKIN ELMER 4e IR



10/05/26 10:56 CODE-VJR-58
X: 4 scans, 4.0cm-1, flat, smooth, abex



VJR-58 **4e** ¹³CNMR (Ext.)



Current Data Parameters
NAME vjr58.21may10
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters
Date 20100522
Time 10.02
INSTRUM spect
PROBHD 5 mm Multinucl
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 2113
DS 4
SWH 18832.393 Hz
FIDRES 0.287360 Hz
AQ 1.7400308 sec
RG 7298.2
DW 26.550 usec
DE 6.00 usec
TE 0.0 K
D1 2.00000000 sec
d11 0.03000000 sec
DELTA 1.89999998 sec
MCREST 0.00000000 sec
MCWRK 0.01500000 sec

===== CHANNEL f1 =====
NUC1 13C
P1 9.25 usec
PL1 -6.00 dB
SFO1 75.4752953 MHz

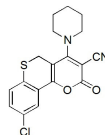
===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -3.00 dB
PL12 18.31 dB
PL13 22.00 dB
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677836 MHz
WDW EM
SSB 0
LB 3.00 Hz
GB 0
PC 1.00

4e HRMS

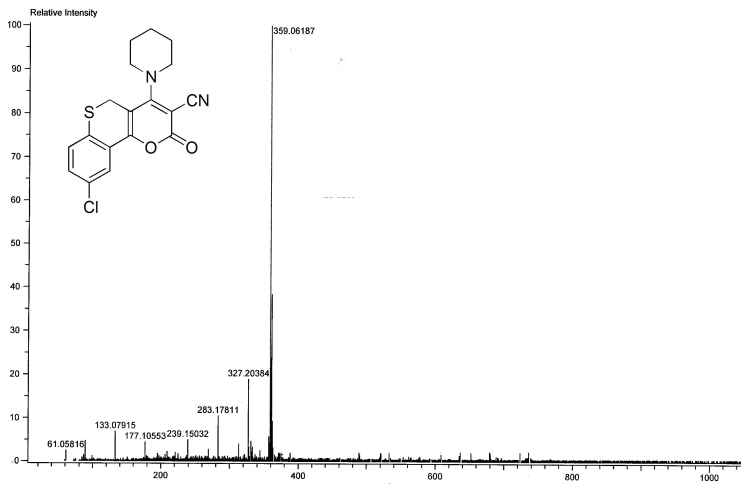
Data: 9DEC124A
Sample Name: VJR-58
Description:
Ionization Mode: ESI+
History: Determine m/z [Peak Detect [Centroid, 50, Area], Correct Base [5.0%], Smooth [3]], Add [Correct Base [5.0%], Ave...
Charge number: 1
Tolerance: 5.00 (mmu)
Element: ¹²C: 0 .. 18, ¹H: 0 .. 16, ³⁵Cl: 0 .. 2, ¹⁴N: 0 .. 2, ¹⁶O: 0 .. 2, ³²S: 0 .. 1
Acquired: 12/21/2009 12:33:09 PM
Operator: admin
Mass Calibration data: (Internal Mass Calibration Data)
Created: 12/21/2009 12:36:55 PM
Created by: admin
Unsaturation Number: -1.5 .. 20.0 (Fraction: Both)

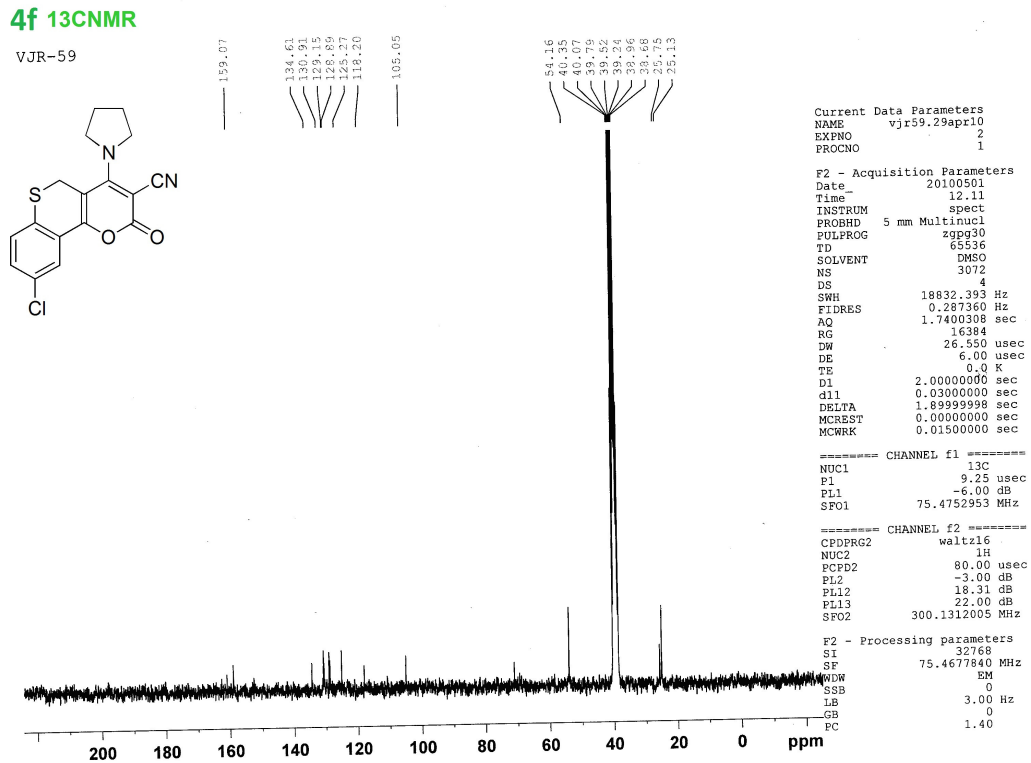
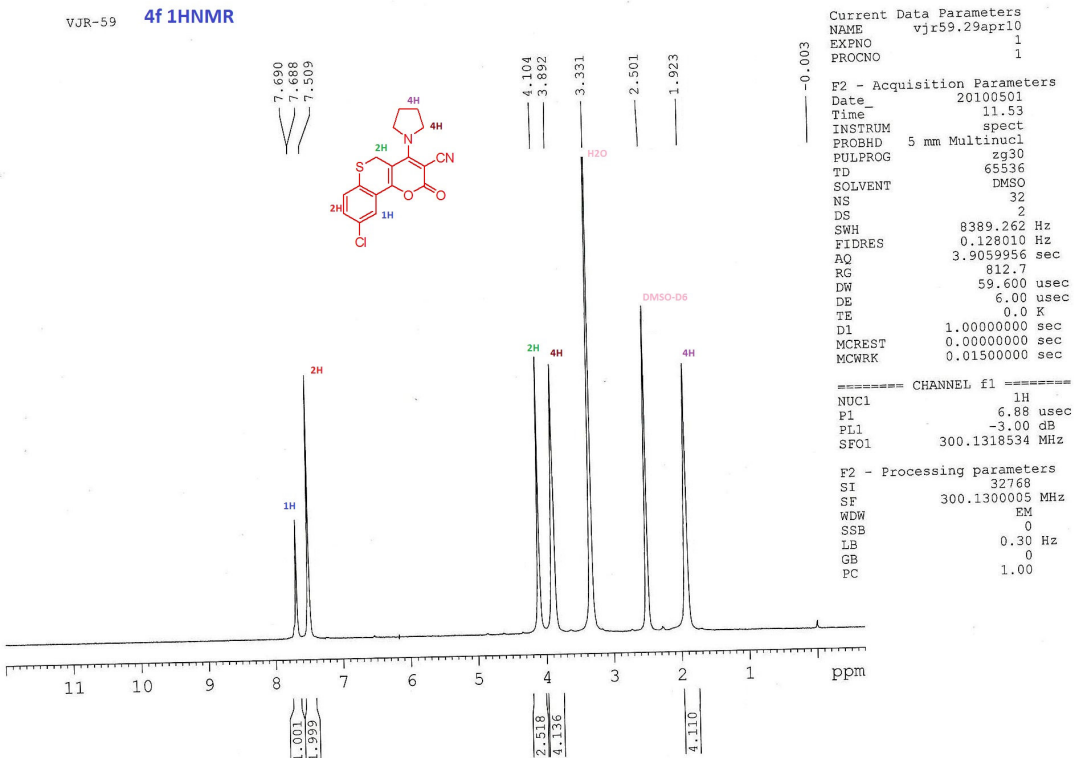
Mass	Intensity	Calc. Mass	Mass Difference (mmu)	Possible Formula	Unsaturation Number
359.06187	76375.08	359.06210	-0.23	¹² C ₁₈ ¹ H ₁₆ ³⁵ Cl ₁ ¹⁴ N ₂ ¹⁶ O ₂ ³² S ₁	12.5



4e HRMS

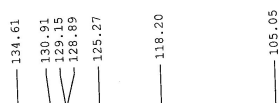
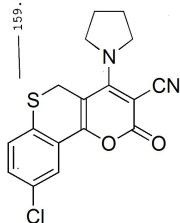
Acq. Data Name: 9DEC124A
Internal Sample ID: VJR-58
Ionization Mode: ESI+
MS Calibration Name: YOKUDELNA_ES+-2000
Reduction History: Determine m/z [Peak Detect [Centroid, 50, Area], Correct Base [5.0%], Smooth [3]], Add [Correct Base [5.0%], Average [MS [1] 0.359, 0.384], 1.0], Correct Base [5.0%]...
Experiment Date/Time: 12/21/2009 12:33:09 PM
E:\CDR\INOV09B\DEC09A\9DEC124A
Ion Guide RF Volt: 550V
Orifice1 Volt Sweep: 28V
Acquired m/z Range: 10.0..1050.0
Time of Maximum: 0.269 [min]
Sample Comments: DART
Spec. Record Interval: 0.4 [s]
Ring Lens Volt: 13 [V]
Operator Name: admin



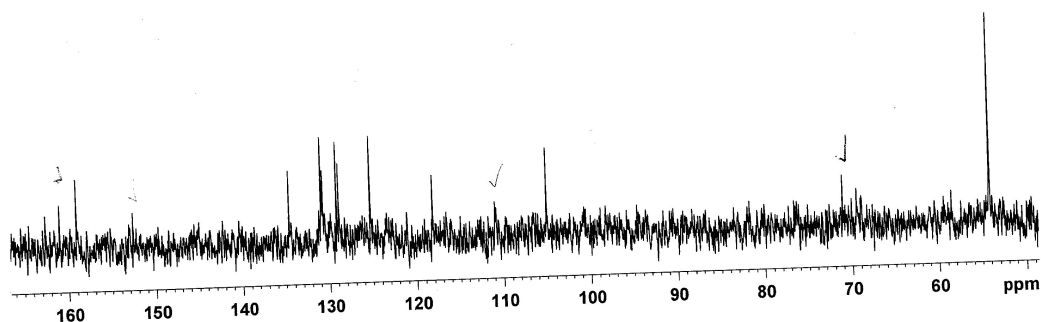


4f ¹³CNMR (Ext.)

VJR-59



54.16



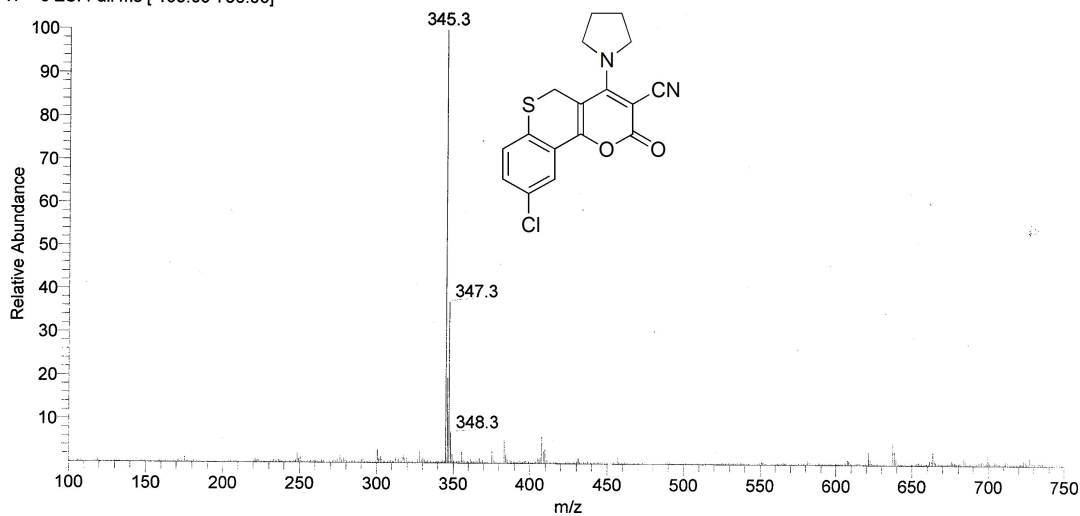
4f Mass

Original Data Path: 1015APR17204050172_172903.RAW
Current Data Path: C:\Data2010\APR10\

Sample ID:
Acquisition Date: 4/5/2010 5:59:20 PM
Vial: B:32

1015APR17204050172_172903 #18-50 RT: 0.30-0.70 AV: 33 SB: 2 0.00, 0.00 NL: 2.06E7
T: + c ESI Full ms [100.00-750.00]

MSAIF, CDRI LUCKNOW



4f HRMS

Data: 9DEC123A
Sample Name: VJR-59

Description:

Ionization Mode: ESI+

History: Determine m/z [Peak Detect [Centroid, 50, Area], Correct Base [5.0%], Smooth [3]], Add [Correct Base [5.0%], Ave...



Acquired: 12/21/2009 12:26:19 PM

Operator: admin

Mass Calibration data: (Internal Mass Calibration Data)

Created: 12/21/2009 12:31:08 PM

Created by: admin

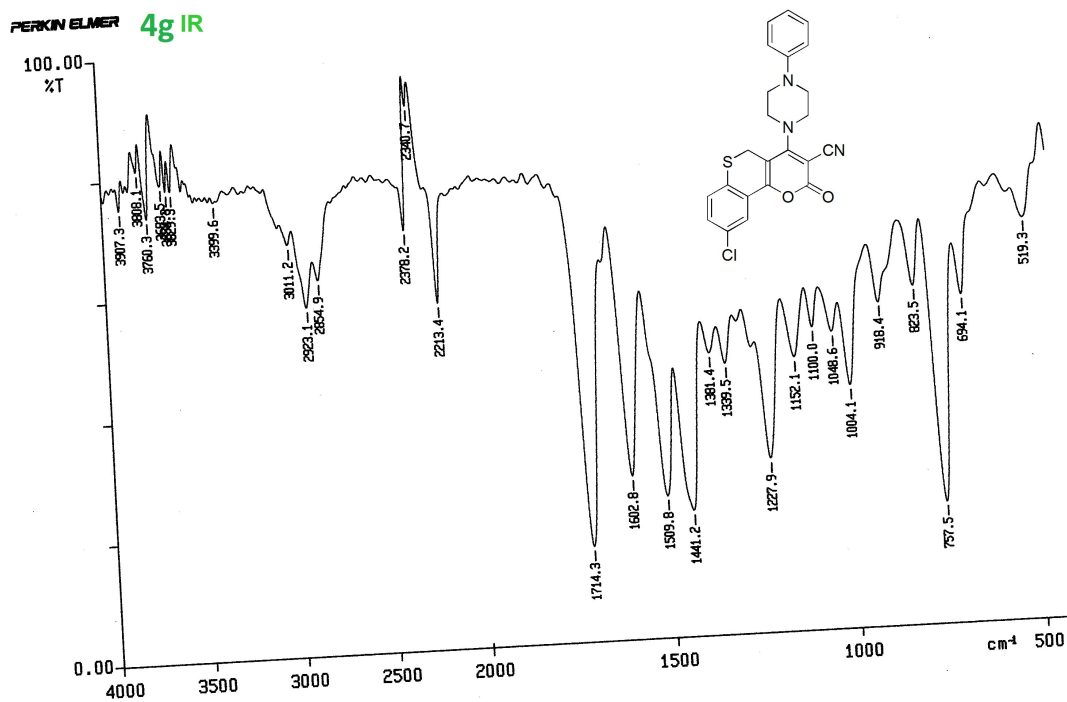
Charge number: 1

Tolerance: 5.00 (mmu)

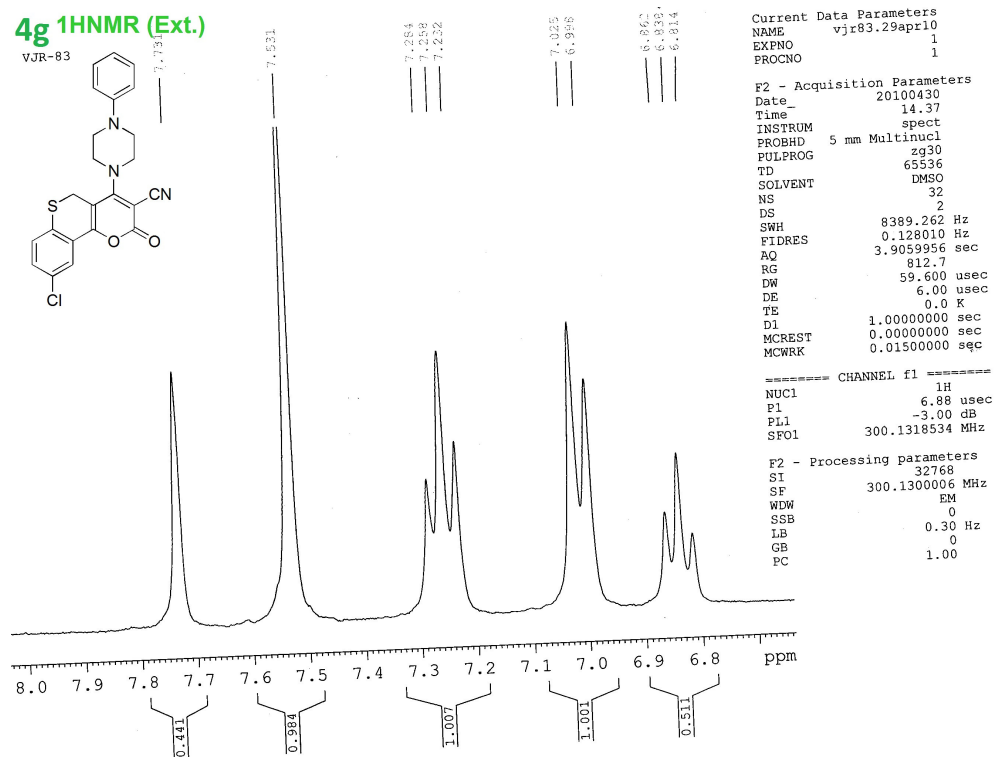
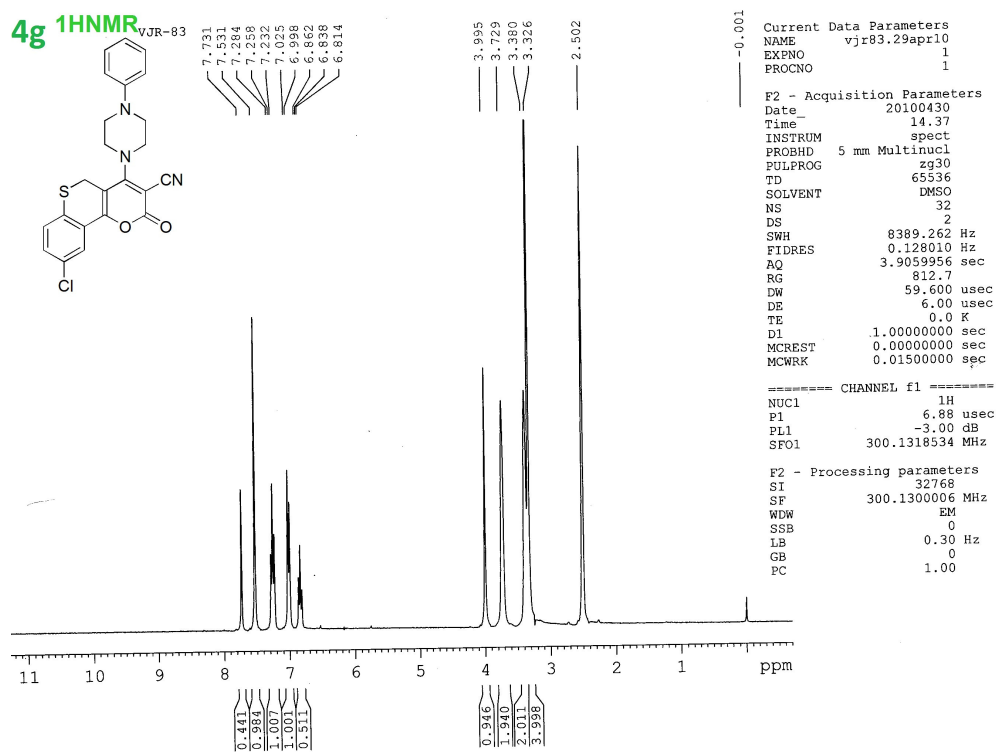
Unsaturation Number: -1.5 .. 20.0 (Fraction: Both)

Element: ¹²C: 0 .. 17, ¹H: 0 .. 14, ³⁵Cl: 0 .. 1, ¹⁴N: 0 .. 2, ¹⁶O: 0 .. 2, ³²S: 0 .. 1

Mass	Intensity	Calc. Mass	Mass Difference (mmu)	Possible Formula	Unsaturation Number
345.04492	75037.32	345.04645	-1.53	¹² C ₁₇ ¹ H ₁₄ ³⁵ Cl ₁ ¹⁴ N ₂ ¹⁶ O ₂ ³² S ₁	12.5

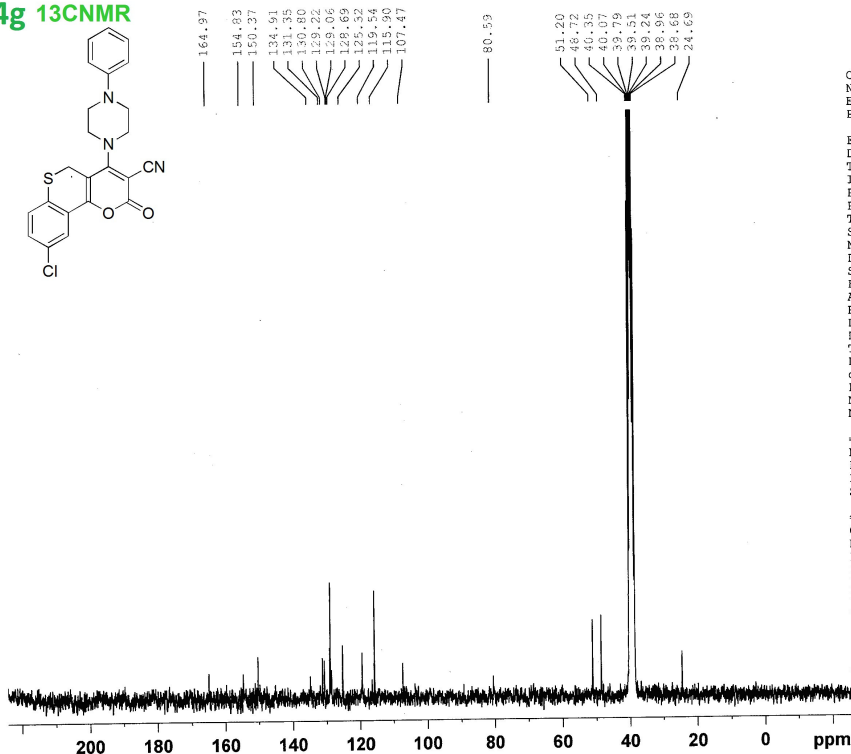
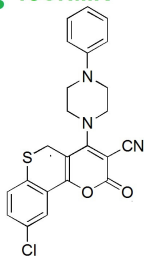


27



VJR-83

4g ¹³CNMR



Current Data Parameters
NAME vjr83.29apr10
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters
Date_ 20100430
Time 14.46
INSTRUM spect
PROBHD 5 mm Multinucl
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 6144
DS 4
SWH 18832.393 Hz
FIDRES 0.287360 Hz
AQ 1.7400308 sec
RG 11585.2
DW 26.550 usec
DE 6.00 usec
TE 0.0 K
D1 2.00000000 sec
d11 0.03000000 sec
DELTA 1.89999998 sec
MCREST 0.00000000 sec
MCWRK 0.01500000 sec

===== CHANNEL f1 =====
NUC1 13C
P1 9.25 usec
PL1 -6.00 dB
SFO1 75.4752953 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -3.00 dB
PL12 18.31 dB
PL13 22.00 dB
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677845 MHz
WDW EM
SSE 0
LB 3.00 Hz
GB 0
PC 1.40

4g HRMS

Data: 10JULY131A

Sample Name: VJR-83

Description:

Ionization Mode: ESI+

History: Determine m/z [Peak Detect[Centroid,50,Area],Correct Base[5.0%],Smooth[3]],Add[Correct Base[5.0%],Ave...

Acquired: 7/6/2010 4:48:29 PM

Operator: admin

Mass Calibration data: YOKUDELNA_ES+_2000

Created: 7/6/2010 5:12:51 PM

Created by: admin

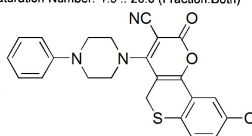
Charge number: 1

Tolerance: 5.00 (mmu)

Element: ¹²C: 0 .. 100, ¹H: 0 .. 200, ³⁵Cl: 0 .. 1, ¹⁴N: 0 .. 3, ¹⁶O: 0 .. 2, ³²S: 0 .. 1

Unsaturation Number: -1.5 .. 20.0 (Fraction: Both)

Mass	Intensity	Calc. Mass	Mass Difference (mmu)	Possible Formula	Unsaturation Number
436.08769	13945.65	436.08865	-0.96	¹² C ₂₃ ¹ H ₁₅ ³⁵ Cl ₁ ¹⁴ N ₃ ¹⁶ O ₂ ³² S ₁	16.5



Acq. Data Name: 10JULY131A

Internal Sample: VJR-83

Ionization Mode: ESI+

MS Calibration Name: YOKUDELNA_ES+_2000

Reduction History: Determine m/z [Peak Detect[Centroid,50,Area],Correct Base[5.0%],Smooth[3]],Add[Correct Base[5.0%],Average[MS[1] 0.269, 0.291],1.0],Correct Base[5.0%],...

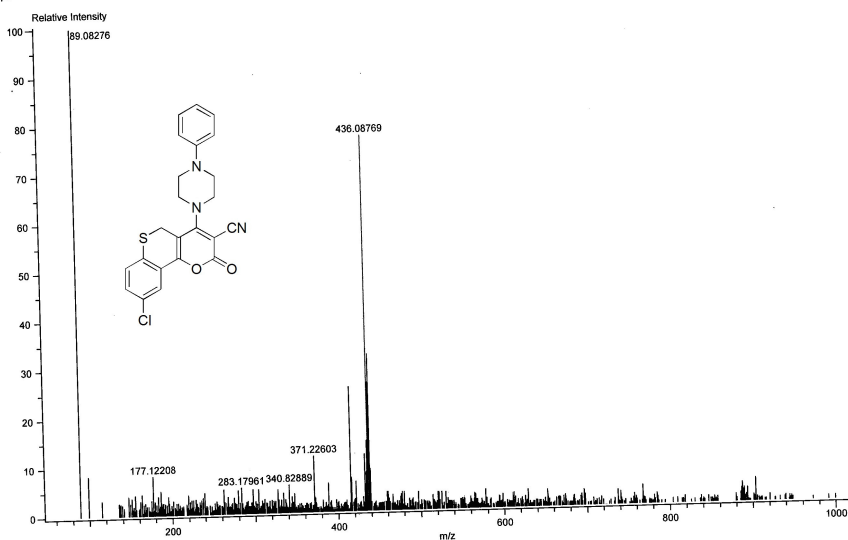
Experiment Date/Time: 7/6/2010 4:48:29 PM

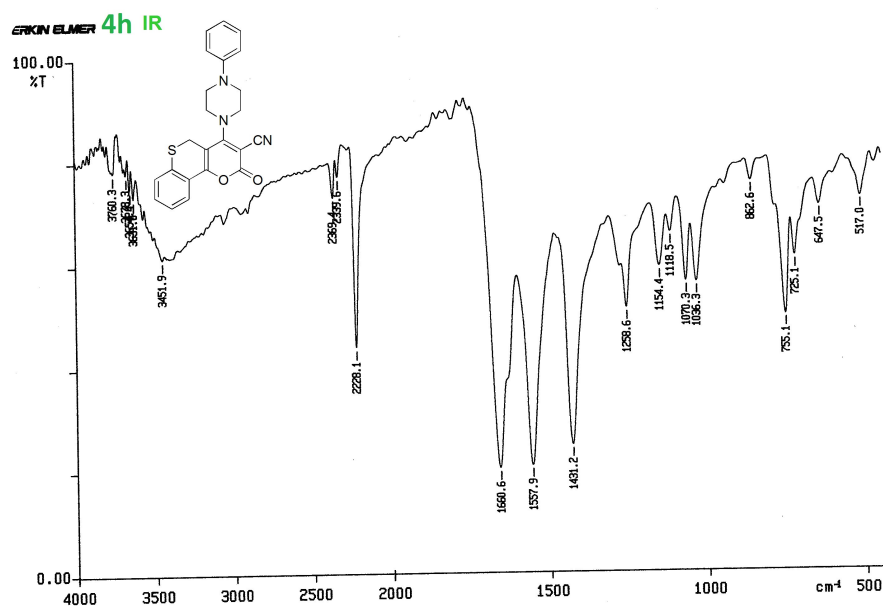
Spec. Record Interval: 0.4[s]

Ring Lens Volt: 11[V]

Time of Maximum: 0.189[min]

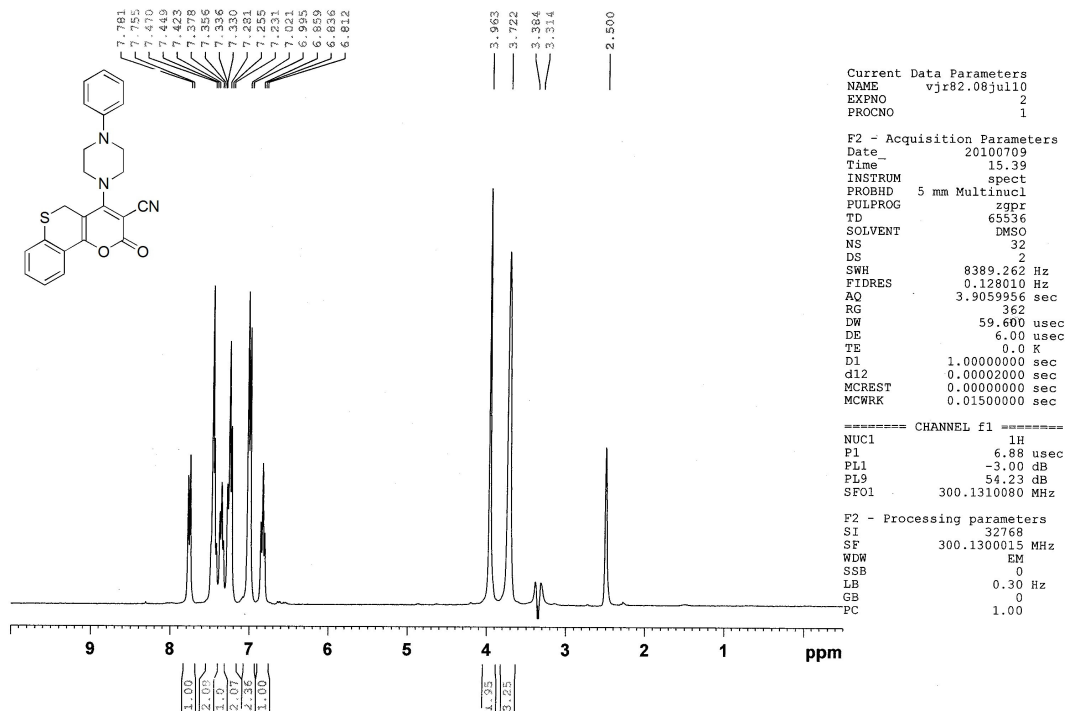
Operator Name: admin



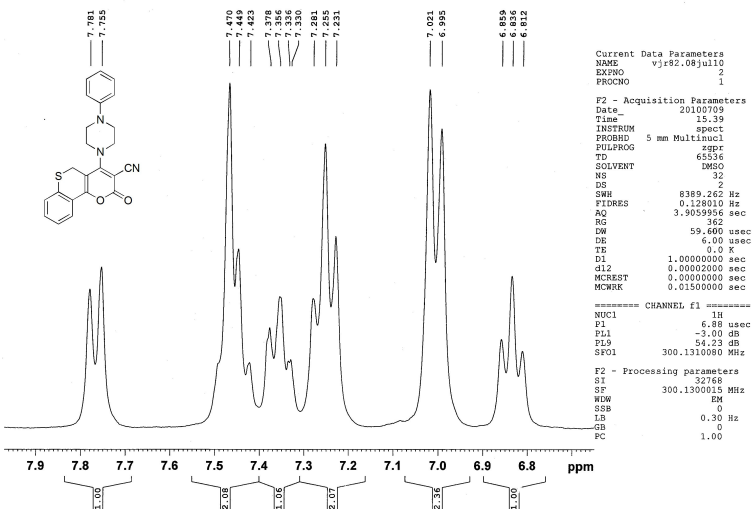


10/05/17 10:28 CODE- VJR-82
X: 4 scans, 4.0cm-1, flat, smooth, abex

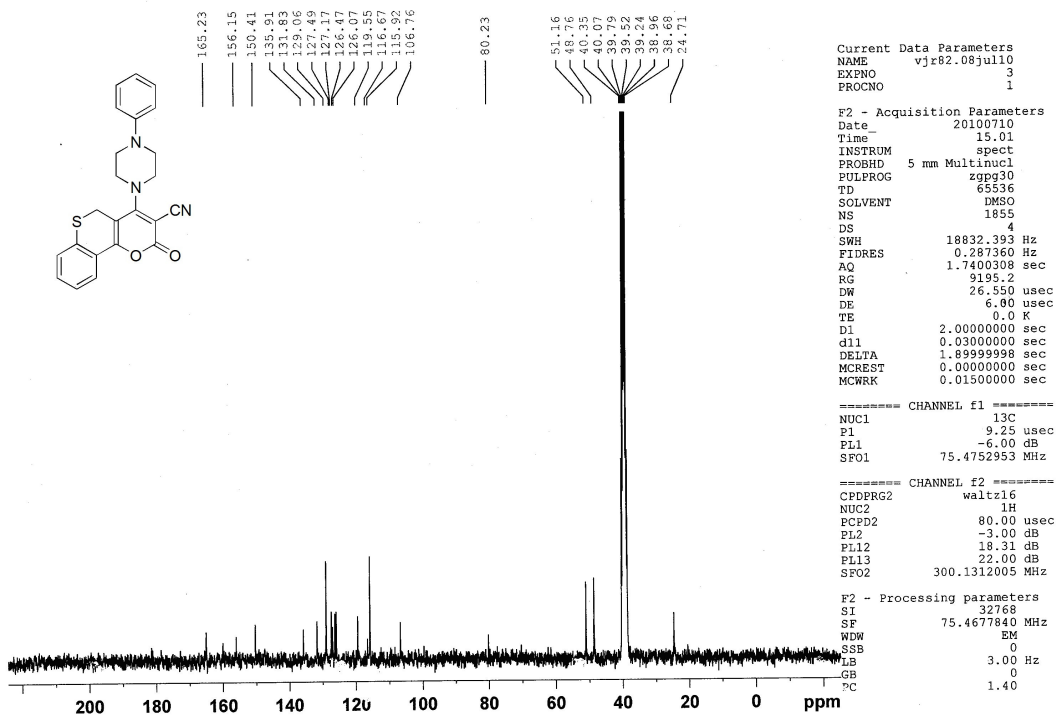
VJR-82 **4h 1H NMR**



VJR-82 **4h** ¹H NMR (Ext.)

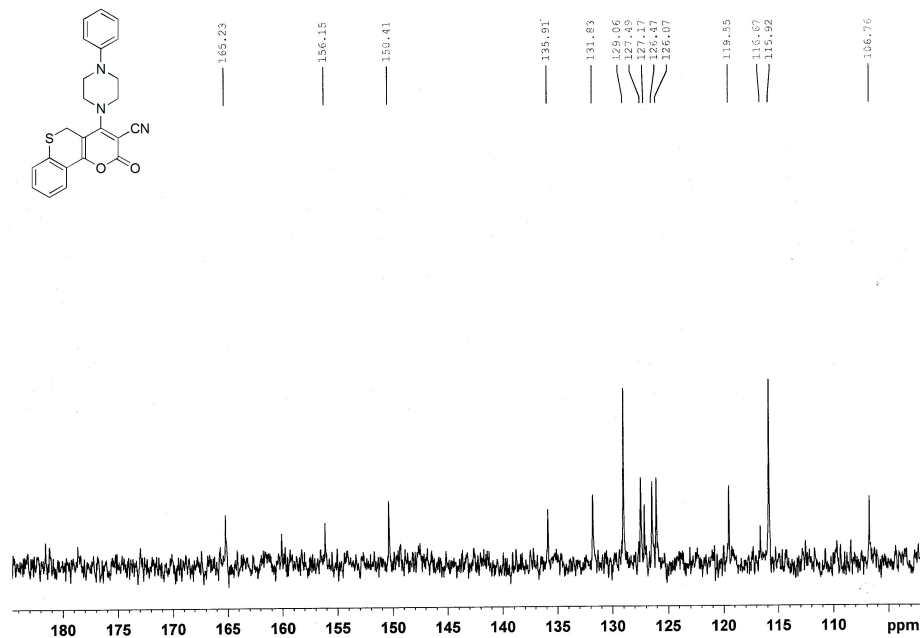


VJR-82 **4h** ¹³C NMR



VJR-82

4h ¹³CNMR



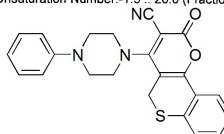
Data: 10MAY058A
Sample Name: VJR-82
Description:
Ionization Mode: ESI+
History: Determine m/z [Peak Detect [Centroid, 50, Area], Correct Base [5.0%], Smooth [3]], Add [Correct Base [5.0%], Ave...

4h HRMS

Charge number: 1
Element: ¹²C: 0 ... 23, ¹H: 0 ... 20, ¹⁴N: 0 ... 3, ¹⁶O: 0 ... 2, ³²S: 0 ... 1
Tolerance: 5.00 (mmu)

Acquired: 5/4/2010 1:50:13 PM
Operator: admin
Mass Calibration data: YOKUDELNA_ES+_2000
Created: 5/4/2010 2:00:01 PM
Created by: admin
Unsaturation Number: -1.5 ... 20.0 (Fraction: Both)

Mass	Intensity	Calc. Mass	Mass Difference (mmu)	Possible Formula	Unsaturation Number
402.12700	70947.69	402.12762	-0.63	¹² C ₂₅ ¹ H ₂₀ ¹⁴ N ₃ ¹⁶ O ₂ ³² S ₁	16.5

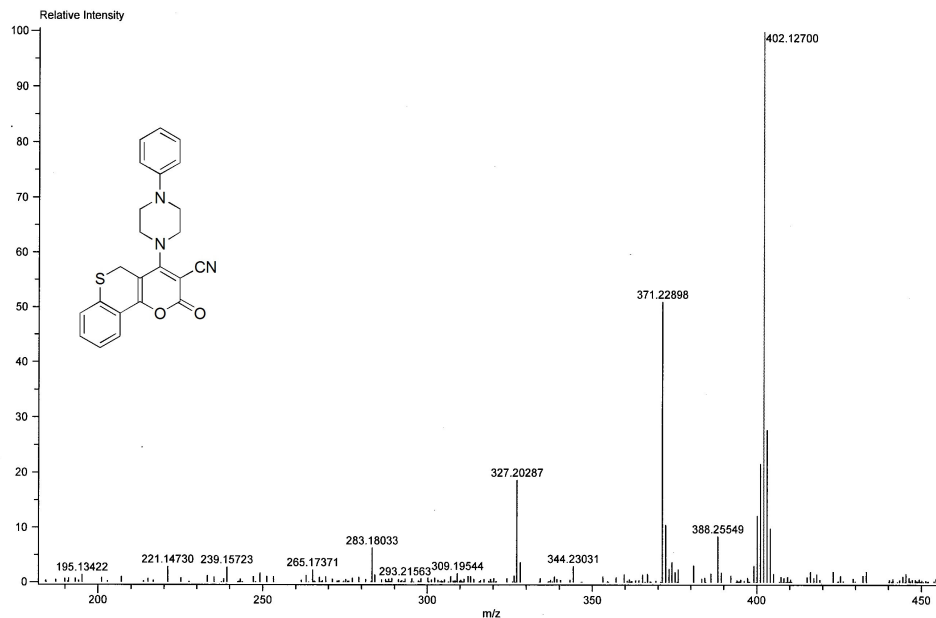


4h HRMS

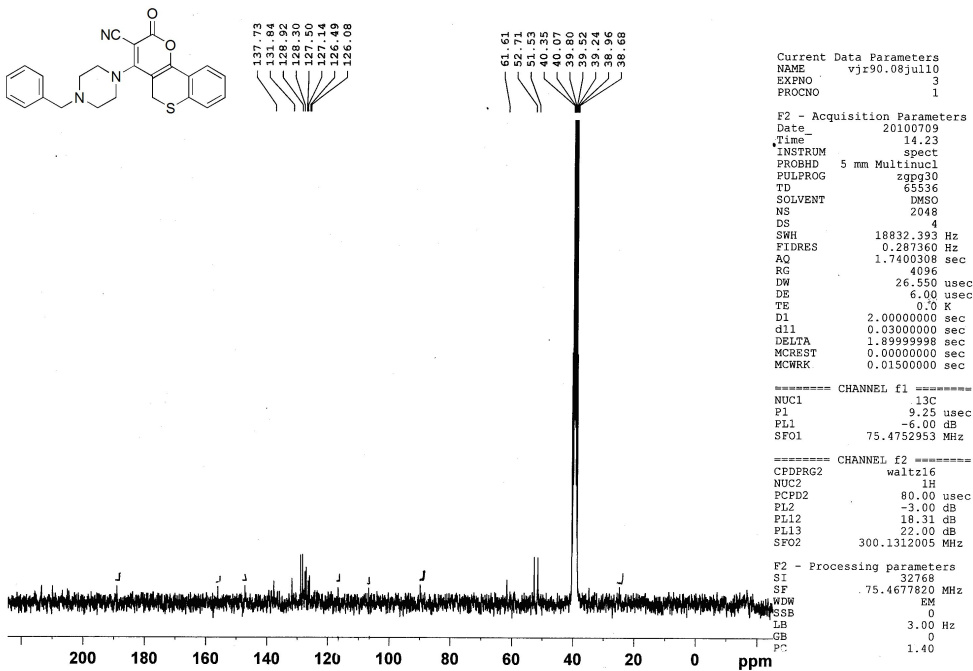
Acq. Data Name: 10MAY058A
Internal Sample Id: VJR-82
Ionization Mode: ESI+
MS Calibration Name: YOKUDELNA_ES+_2000
Reduction History: Determine m/z [Peak Detect [Centroid, 50, Area], Correct Base [5.0%], Smooth [3]], Add [Correct Base [5.0%], Average [MS [1] 0.189, 0.198], 1.0], Correct Base [5.0%], ...
Experiment Date/Time: 5/4/2010 1:50:13 PM

E:\CDR\MAY10A\MAY10A\10MAY058A
Ion Guide RF Volt: 550V
Orifice1 Volt Sweep: 25V
Acquired m/z Range: 10.0 ... 1050.0

Sample Comments: DART
Spec. Record Interval: 0.4[s]
Ring Lens Volt: 15[V]
Time of Maximum: 0.127[min]
Average [MS [1] 0.189, 0.198], 1.0], Correct Base [5.0%], ...
Operator Name: admin



VJR-90 **4i** ¹³CNMR



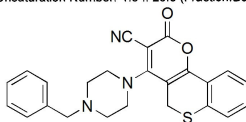
HRMS **4i**

Data: 10JULY128A
Sample Name: VJR-90
Description:
Ionization Mode: ESI+
History: Determine m/z [Peak Detect [Centroid, 50, Area], Correct Base [5.0%], Smooth [3]], Add [Correct Base [5.0%], Ave...

Acquired: 7/6/2010 4:44:18 PM
Operator: admin
Mass Calibration data: YOKUDELNA_ES+_2000
Created: 7/6/2010 5:05:34 PM
Created by: admin
Unsaturation Number: -1.5 .. 20.0 (Fraction: Both)

Charge number: 1
Tolerance: 5.00 (mmu)
Element: ¹²C: 0 .. 100, ¹H: 0 .. 200, ¹⁴N: 0 .. 3, ¹⁶O: 0 .. 2, ³²S: 0 .. 1

Mass	Intensity	Calc. Mass	Mass Difference (mmu)	Possible Formula	Unsaturation Number
416.14299	26995.56	416.14327	-0.28	¹² C ₂₄ ¹ H ₂₂ ¹⁴ N ₃ ¹⁶ O ₂ ³² S ₁	16.5



Acq. Data Name: 10JULY128A

Internal Sample Id: VJR-90

Ionization Mode: ESI+

MS Calibration Name: YOKUDELNA_ES+_2000

Reduction History: Determine m/z [Peak Detect [Centroid, 50, Area], Correct Base [5.0%], Smooth [3]], Add [Correct Base [5.0%], Average [MS[1] 0.217 .. 0.229], 1.0], Correct Base [5.0%], ...

Experiment Date/Time: 7/6/2010 4:44:18 PM

4i **HRMS**

Orifice1 Volt Sweep: 15V

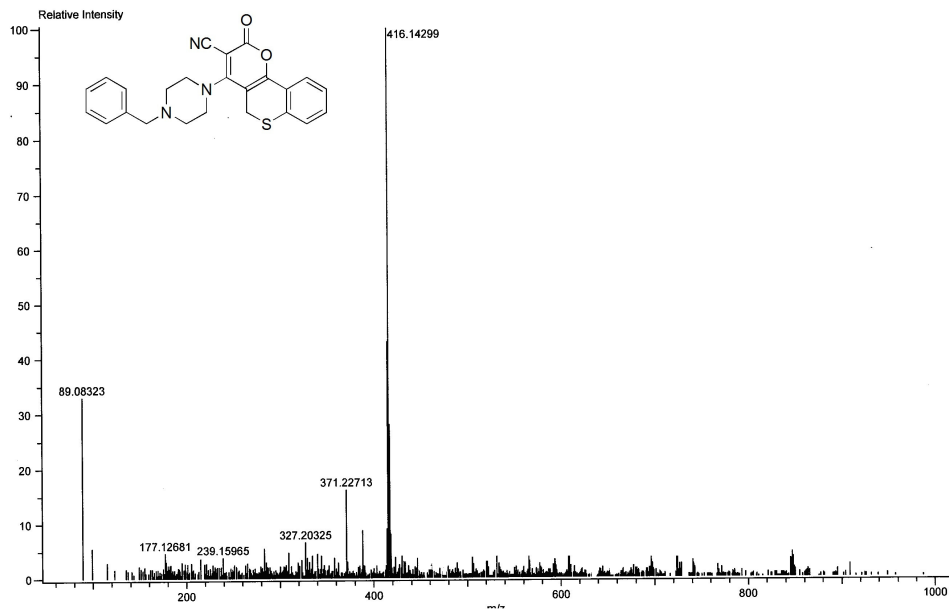
Acquired m/z Range: 50.0 .. 1010.0

Spec. Record Interval: 0.4[s]

Ring Lens Volt: 11[V]

Time of Maximum: 0.137[min]

Operator Name: admin

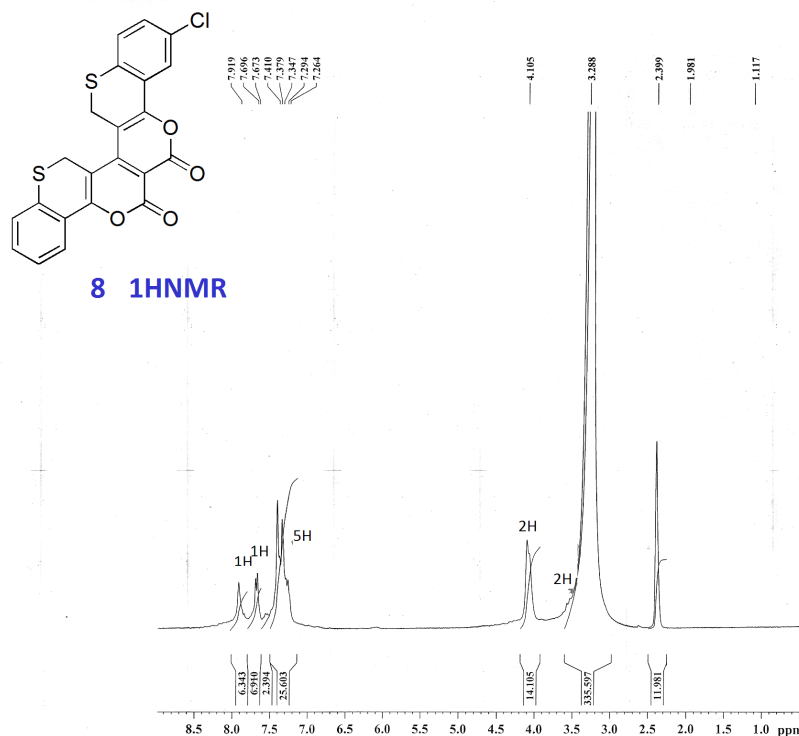
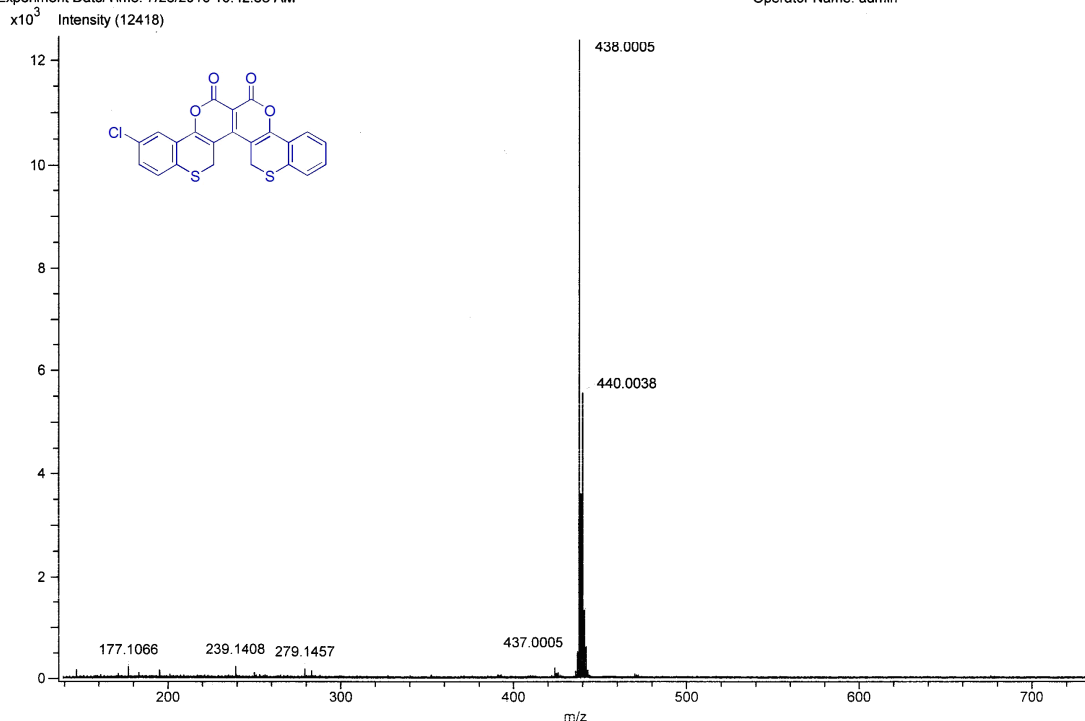


Acq. Data Name: 10JULY332A
Internal Sample Id: VJR-100B
Ionization Mode: ESI+
MS Calibration Name: YOKUDELNA_ES+_2000
Reduction History: Correct Base[5.0%].Average[MS1] 0.168, 0.186
Experiment Date/Time: 7/28/2010 10:42:38 AM

8 HRMS

Spec. Record Interval: 0.4[s]
Ring Lens Volt: 11[V]
Time of Maximum: 0.183[min]

Operator Name: admin

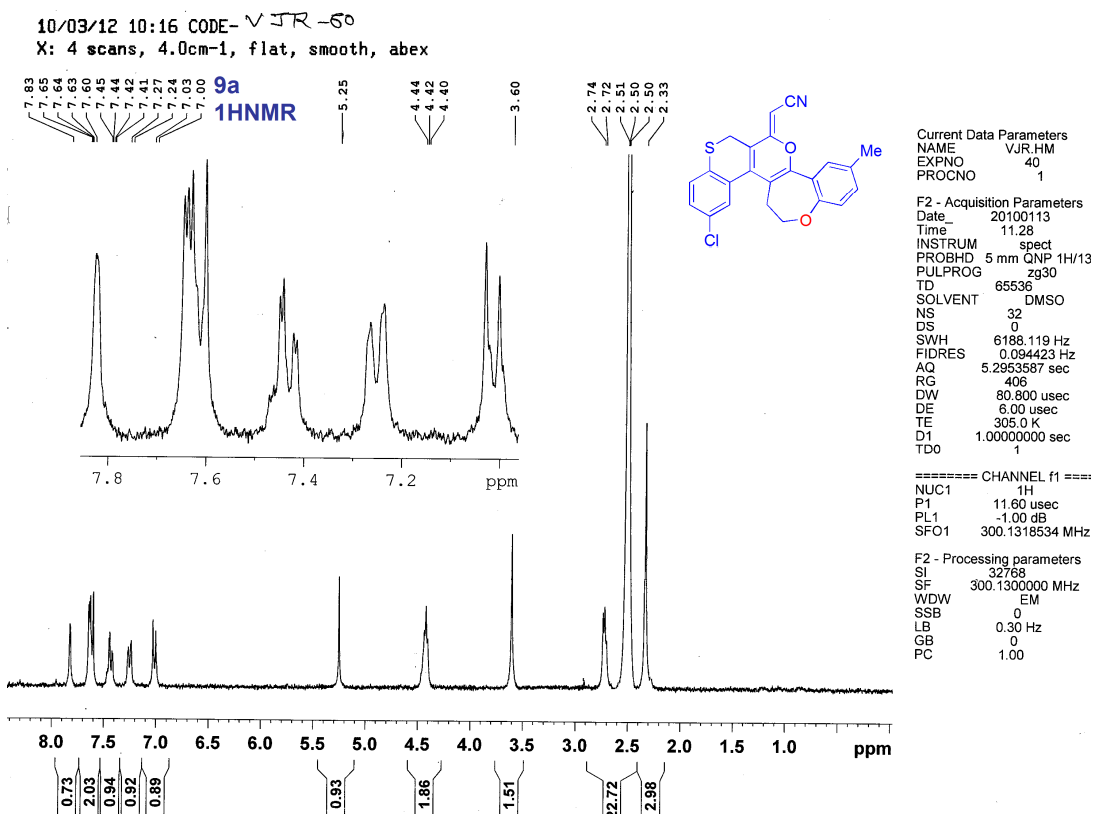
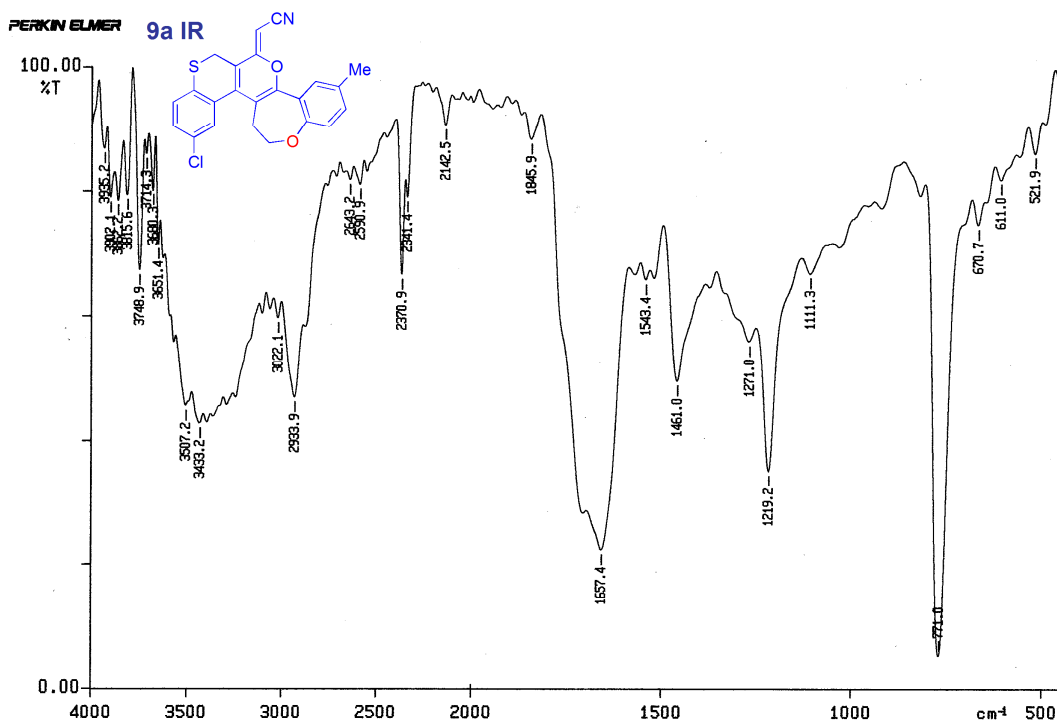


Current Data Parameters
NAME VJR-100B
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20110523
Time 11.08
INSTRUM spect
PROBHD 5 mm Multinuc
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 18
DS 2
SWH 6172.839 Hz
FIDRES 0.094190 Hz
AQ 5.3084660 sec
RG 181
DW 81.000 usec
DE 6.00 usec
TE 295.1 K
D1 1.00000000 sec
TD0 1

CHANNEL f1
NUC1 1H
P1 6.75 usec
PL1 4.00 dB
SFO1 300.1318534 MHz

F2 - Processing parameters
SI 32768
SF 300.1300318 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.40



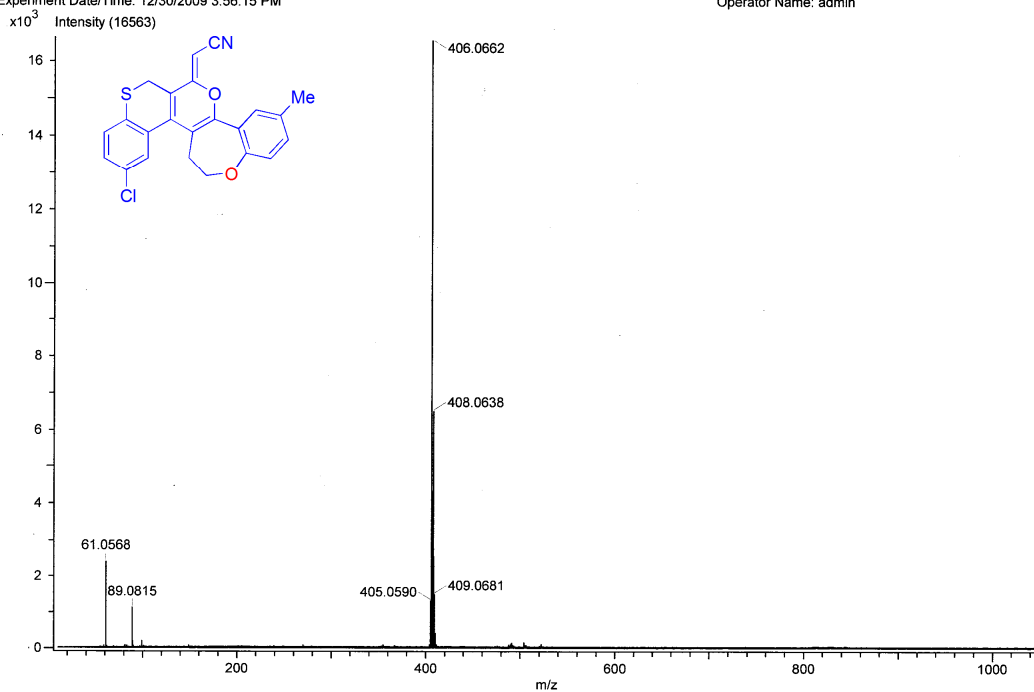
Acq. Data Name: 9DEC162A
Internal Sample Id: VJR-60
Ionization Mode: ESI+
MS Calibration Name: YOKUDELNA_ES+_2000
Reduction History: Correct Base[5.0%];Average(MS[1] 0.283, 0.320)
Experiment Date/Time: 12/30/2009 3:56:15 PM

9a HRMS

E:\CDRI\NOV09B\DEC09A:9DEC162A
Ion Guide RF Volt: 550V
Orifice1 Volt Sweep: 28V
Acquired m/z Range: 10.0..1050.0

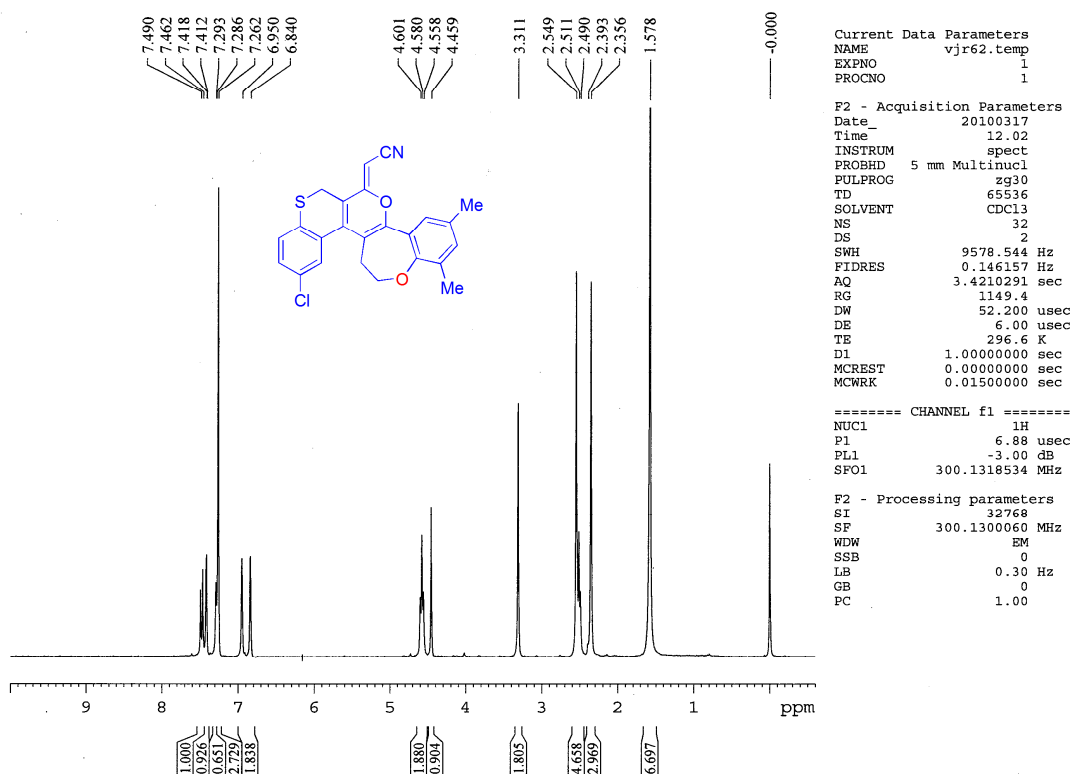
Sample Comments: DART
Spec. Record Interval: 0.4[s]
Ring Lens Volt: 13[V]
Time of Maximum: 0.296[min]

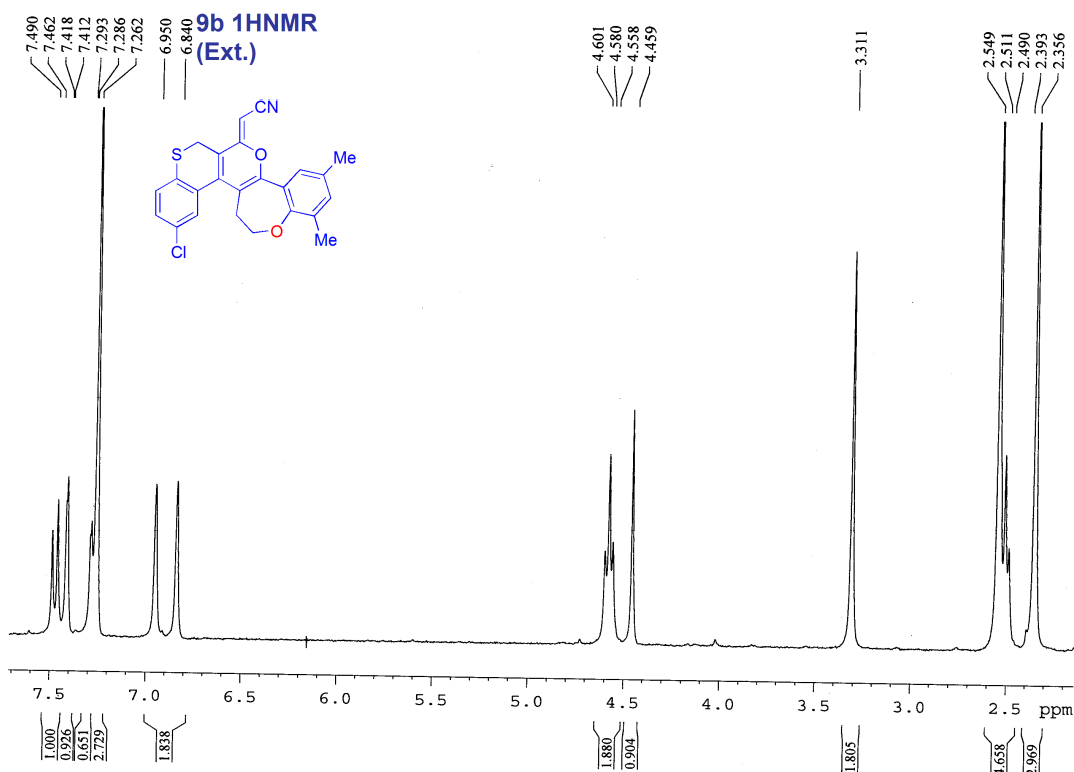
Operator Name: admin



VJR-62

9b 1HNMR





Data: 10JAN030A
Sample Name: VJR-62
Description:

Ionization Mode: ESI+

History: Determine m/z [Peak Detect [Centroid, 50, Area]; Correct Base [5.0%]; Smooth [3]; Add [Correct Base [5.0%]; Ave...

Charge number: 1

Tolerance: 5.00 (mmu)

Element: ¹²C: 0 .. 24, ¹H: 0 .. 19, ³⁵Cl: 0 .. 1, ¹⁴N: 0 .. 1, ¹⁶O: 0 .. 2, ³²S: 0 .. 1

Mass	Intensity	Calc. Mass	Mass Difference (mmu)	Possible Formula	Unsaturation Number
420.08117	33504.99	420.08250	-1.34	¹² C ₂₄ ¹ H ₁₉ ³⁵ Cl ₁ ¹⁴ N ₁ ¹⁶ O ₂ ³² S ₁	16.5

Acquired: 1/12/2010 12:00:26 PM

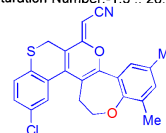
Operator: admin

Mass Calibration data: YOKUDELNA_ES+_2000

Created: 1/12/2010 12:04:20 PM

Created by: admin

Unsaturation Number: -1.5 .. 20.0 (Fraction: Both)



Acq. Data Name: 10JAN030A

Internal Sample Id: VJR-62

Ionization Mode: ESI+

MS Calibration Name: YOKUDELNA_ES+_2000

Reduction History: Correct Base [5.0%]; Average [MS[1] 0.425, 0.441]

Experiment Date/Time: 1/12/2010 12:00:26 PM

9b HRMS

E: 10JAN10A/JAN10A: 10JAN030A

Ion Guide RF Volt: 300V

Orifice1 Volt Sweep: 18V

Acquired m/z Range: 10.0..1050.0

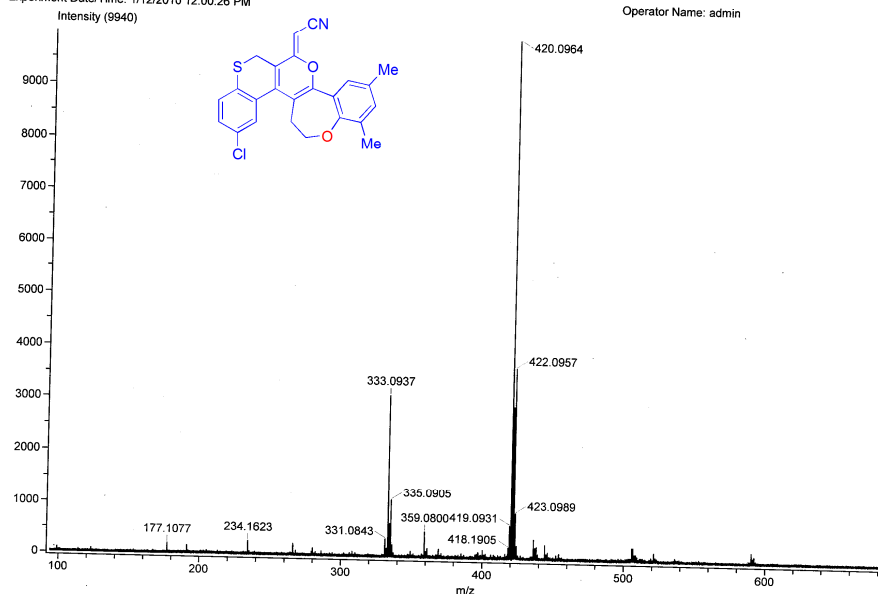
Sample Comments: DART

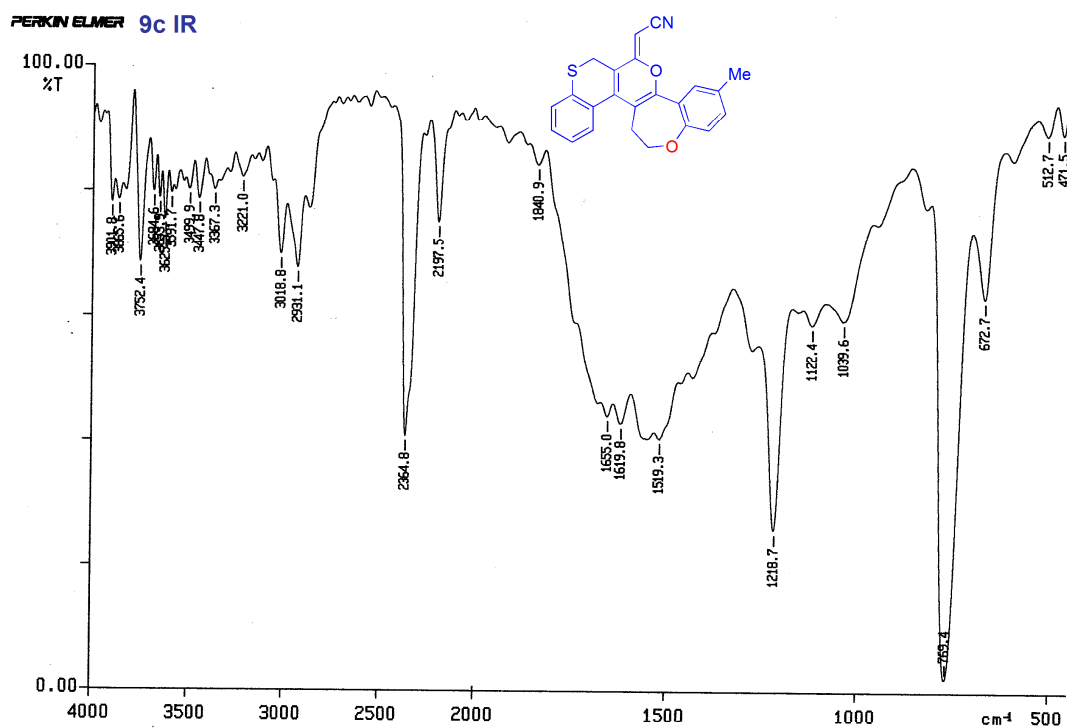
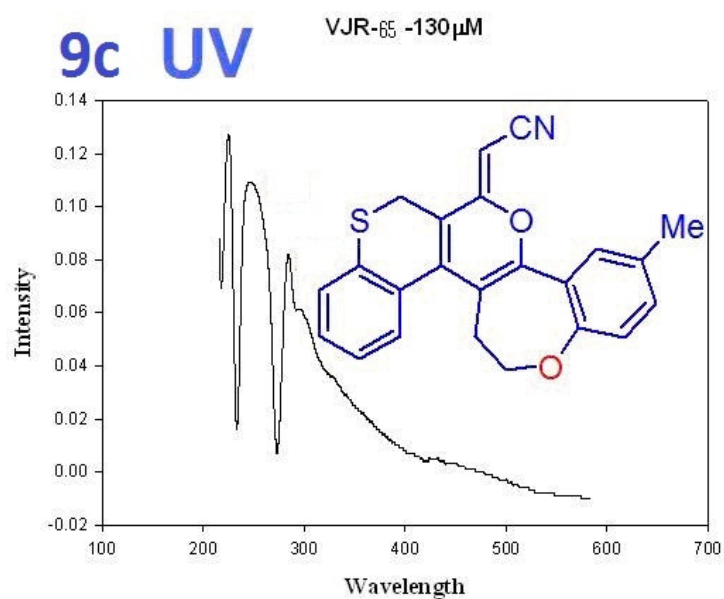
Spec. Record Interval: 0.4[s]

Ring Lens Volt: 13[V]

Time of Maximum: 0.430[min]

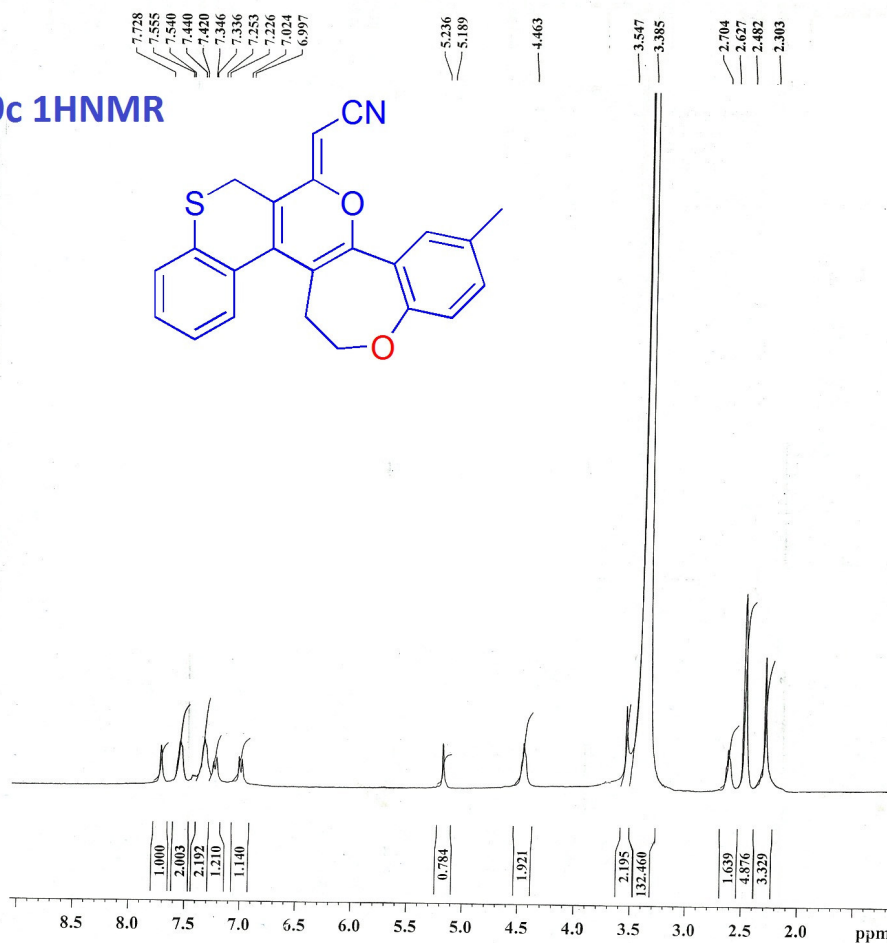
Operator Name: admin





10/03/12 11:01 CODE- VJR-65
X: 4 scans, 4.0cm⁻¹, flat, smooth, abex

9c ¹H NMR



Current Data Parameters

NAME *NJR-65*
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters

Date_ 20110523
Time 15.32
INSTRUM spect
PROBHD 5 mm Multinucl
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 6172.839 Hz
FIDRES 0.094190 Hz
AQ 5.3084660 sec
RG 143.7
DW 81.000 usec
DE 6.00 usec
TE 297.9 K
D1 1.00000000 sec
TD0 1

CHANNEL f1

NUC1 ¹H
P1 6.75 usec
PL1 4.00 dB
SFO1 300.1318534 MHz

F2 - Processing parameters

SI 32768
SF 300.1300060 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.40

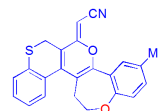
Data: 10JAN029A
Sample Name: VJR-65
Description:
Ionization Mode: ESI+
History: Determine m/z [Peak Detect [Centroid, 50, Area]; Correct Base [5.0%]; Smooth [3]]; Add [Correct Base [5.0%]; Ave...

9c HRMS

Charge number: 1
Element: ^{12}C : 0 .. 23, ^1H : 0 .. 18, ^{14}N : 0 .. 1, ^{16}O : 0 .. 2, ^{32}S : 0 .. 1
Tolerance: 5.00 (mmu)

Acquired: 1/12/2010 11:55:29 AM
Operator: admin
Mass Calibration data: YOKUDELNA_ES+_2000
Created: 1/12/2010 11:59:01 AM
Created by: admin
Unsaturation Number: -1.5 .. 20.0 (Fraction: Both)

Mass	Intensity	Calc. Mass	Mass Difference (mmu)	Possible Formula	Unsaturation Number
372.10409	32305.62	372.10582	-1.73	$^{12}\text{C}_{23}\text{H}_{18}\text{N}_1\text{O}_2\text{S}_1$	16.5



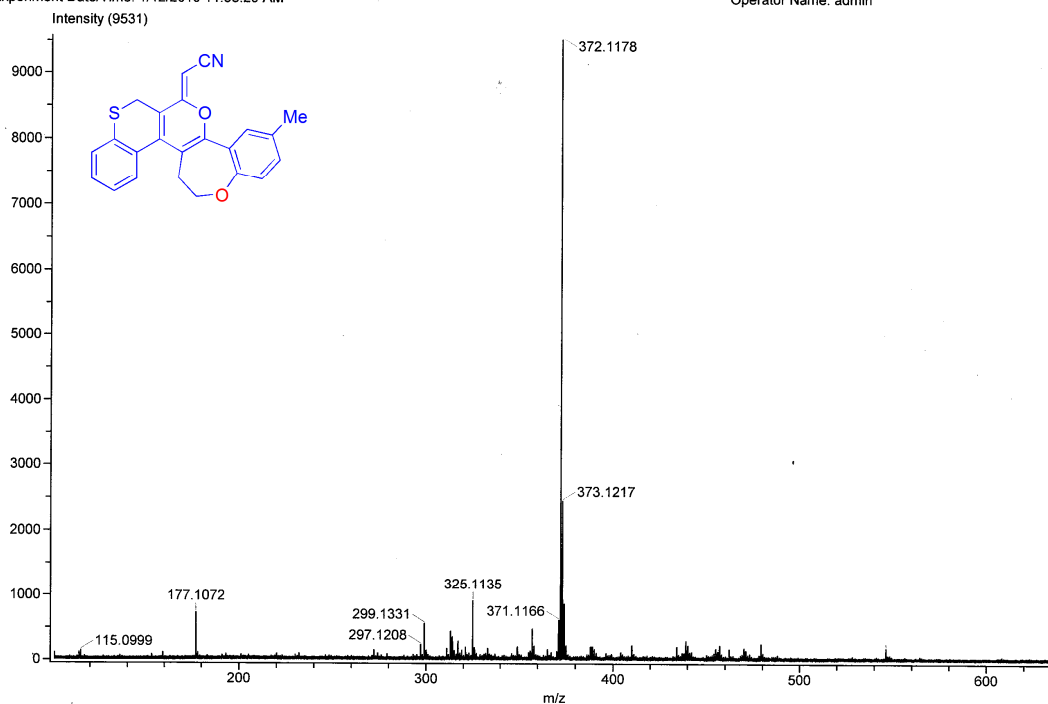
Acq. Data Name: 10JAN029A
Internal Sample Id: VJR-65
Ionization Mode: ESI+
MS Calibration Name: YOKUDELNA_ES+_2000
Reduction History: Correct Base [5.0%]; Average (MS [1] 0.155..0.176)
Experiment Date/Time: 1/12/2010 11:55:29 AM

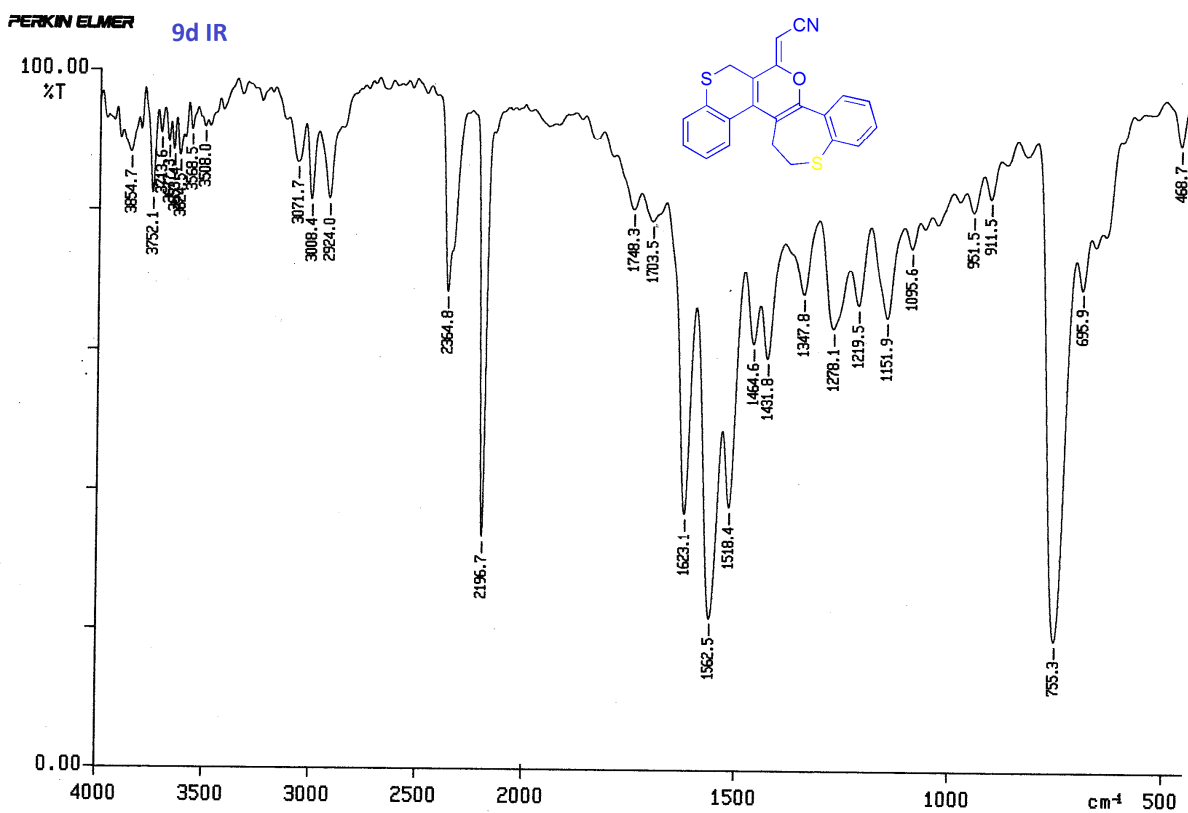
9c HRMS

E: \JAN10A\JAN10A: 10JAN029A
Ion Guide RF Volt: 300V
Orifice1 Volt Sweep: 18V
Acquired m/z Range: 10.0..1050.0

Sample Comments: DART
Spec. Record Interval: 0.4[s]
Ring Lens Volt: 13[V]
Time of Maximum: 0.168[min]

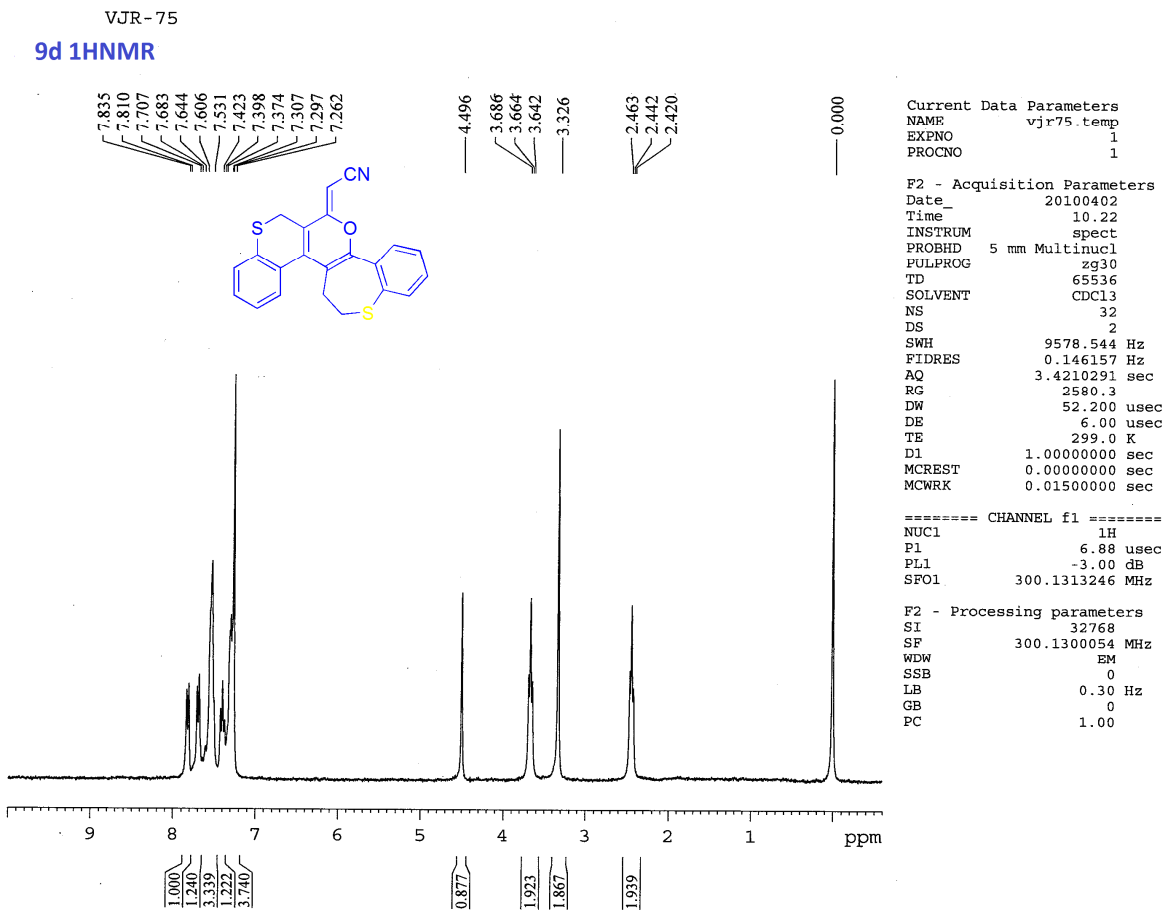
Operator Name: admin

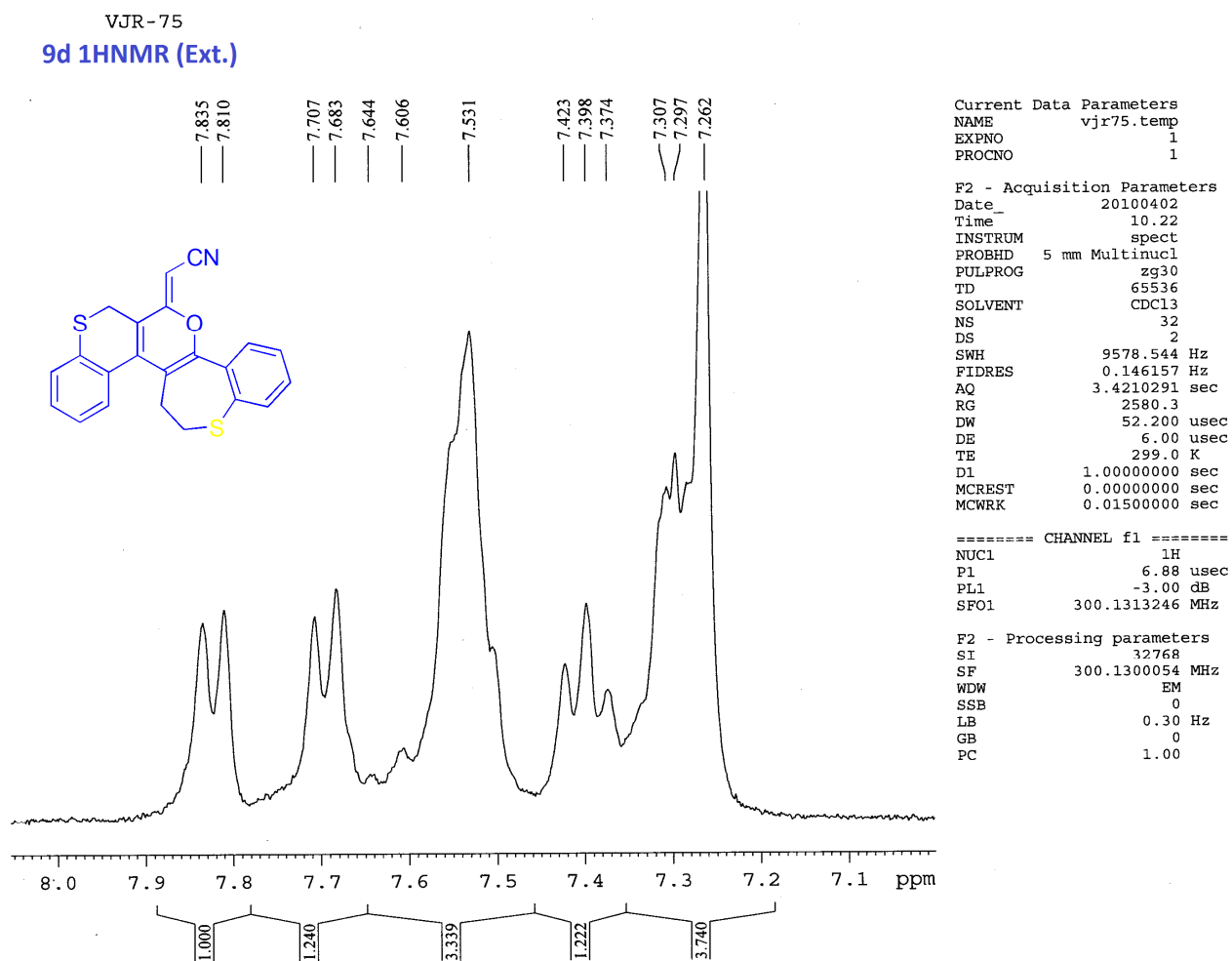




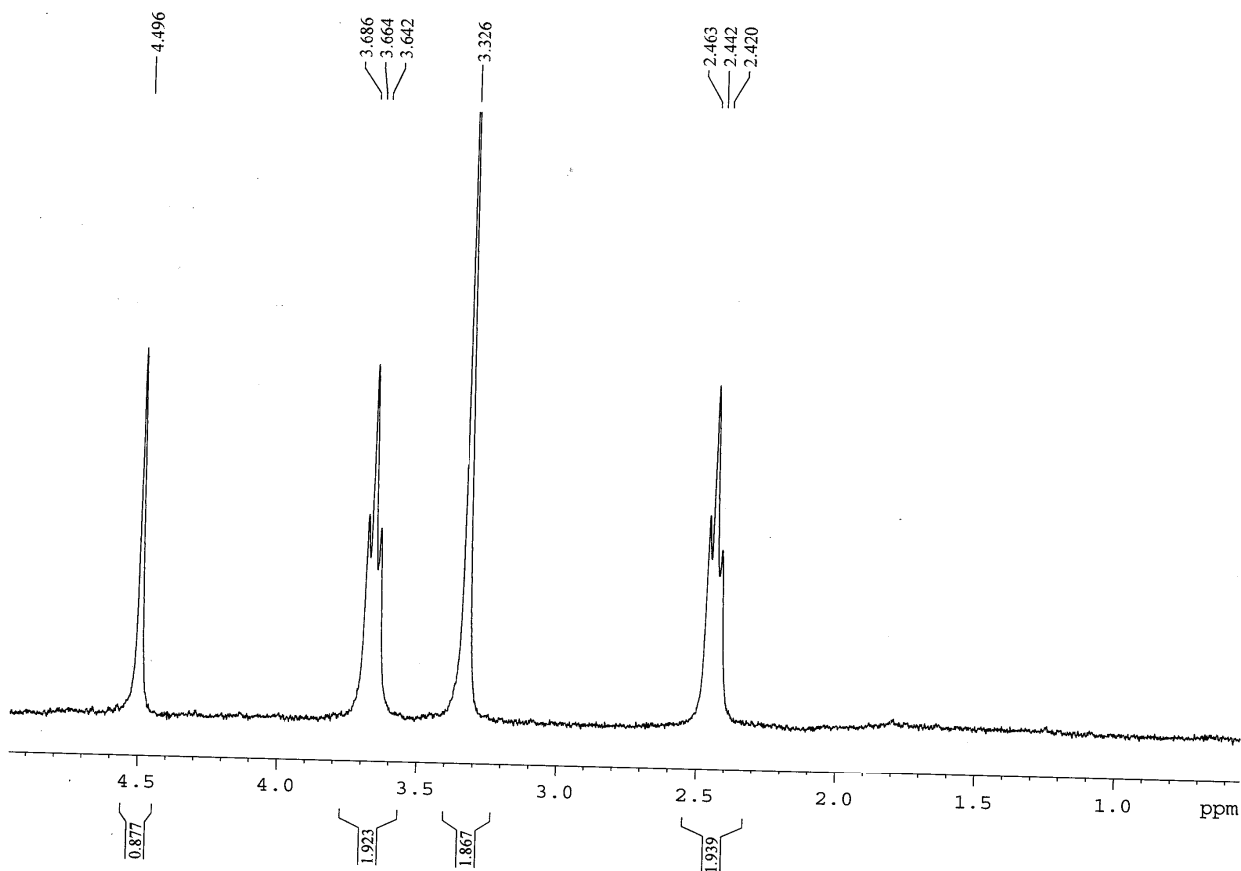
10/03/12 10:43 CODE-VJR-75

X: 4 scans, 4.0cm-1, flat, smooth, abex





VJR-75
9d ¹H NMR (Ext. 2)

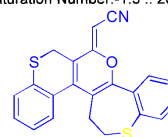


9d HRMS

Data: 10FEB010A
Sample Name: VJR-75
Description:
Ionization Mode: ESI+
History: Determine m/z [Peak Detect [Centroid, 50, Area], Correct Base [5.0%], Smooth [3]], Add [Correct Base [5.0%], Ave...
Charge number: 1
Tolerance: 5.00 (mmu)
Element: ¹²C: 0 .. 100, ¹H: 0 .. 200, ¹⁴N: 0 .. 1, ¹⁶O: 0 .. 1, ³²S: 0 .. 2

Acquired: 2/3/2010 11:01:33 AM
Operator: admin
Mass Calibration data: YOKUDELNA_ES+_2000
Created: 2/3/2010 11:10:06 AM
Created by: admin
Unsaturation Number: -1.5 .. 20.0 (Fraction: Both)

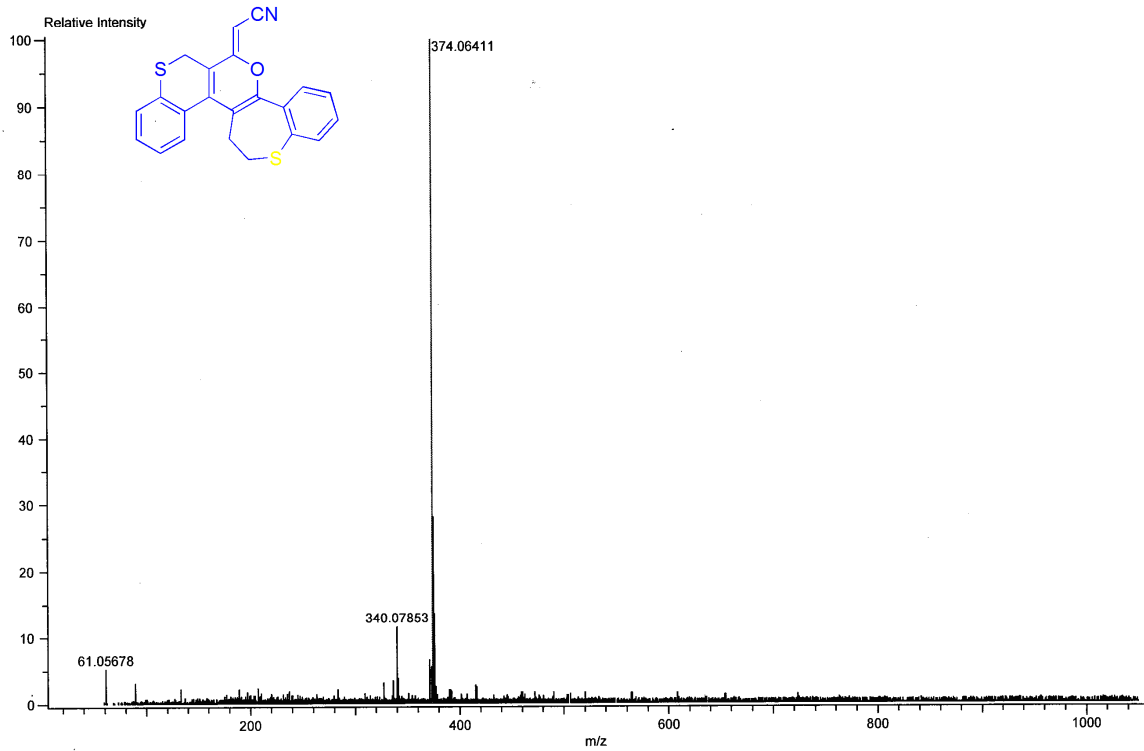
Mass	Intensity	Calc. Mass	Mass Difference (mmu)	Possible Formula	Unsaturation Number
374.06411	64954.54	374.06733	-3.22	¹² C ₂₂ ¹ H ₁₆ ¹⁴ N ₁ ¹⁶ O ₁ ³² S ₂	17.5

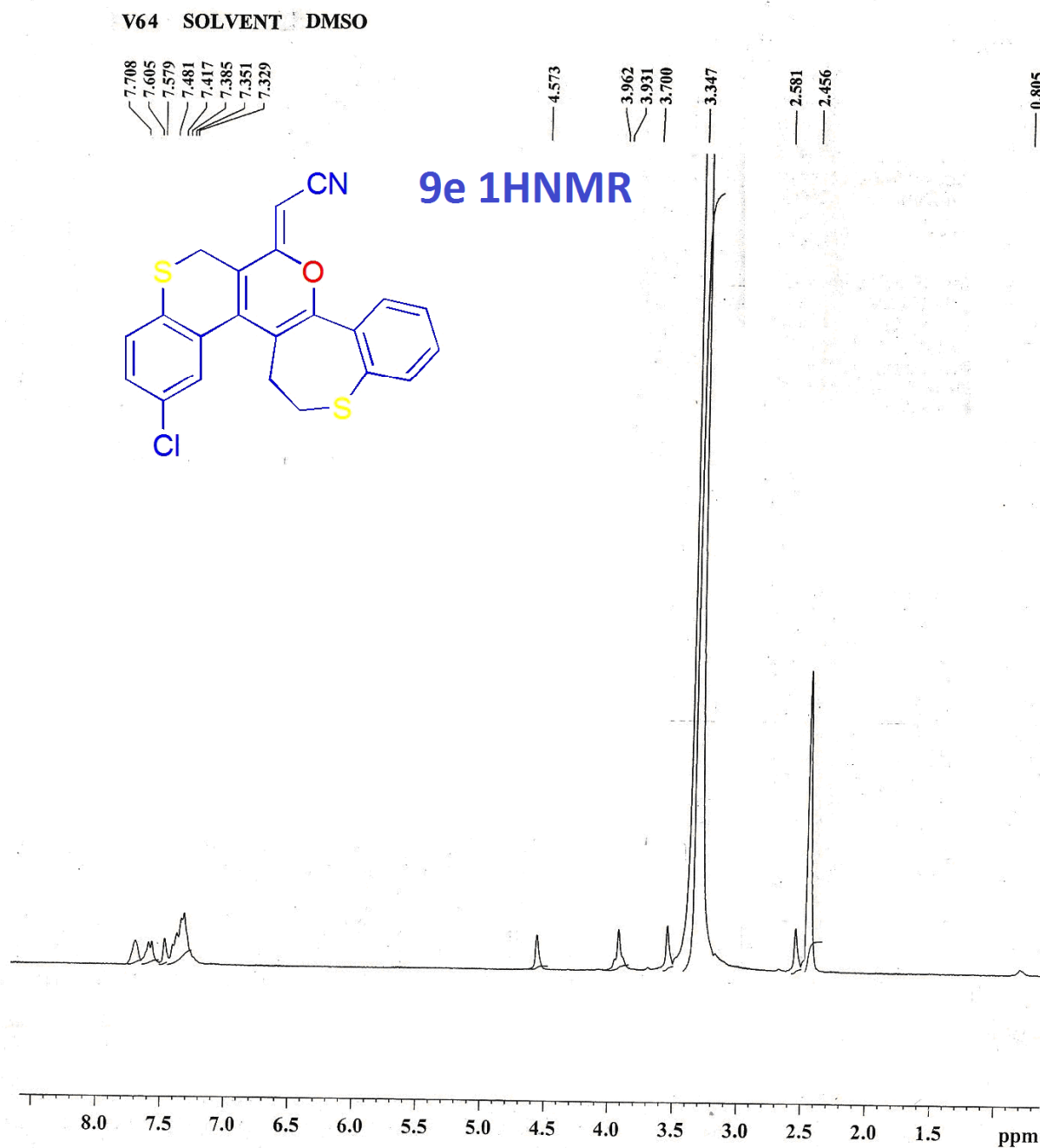


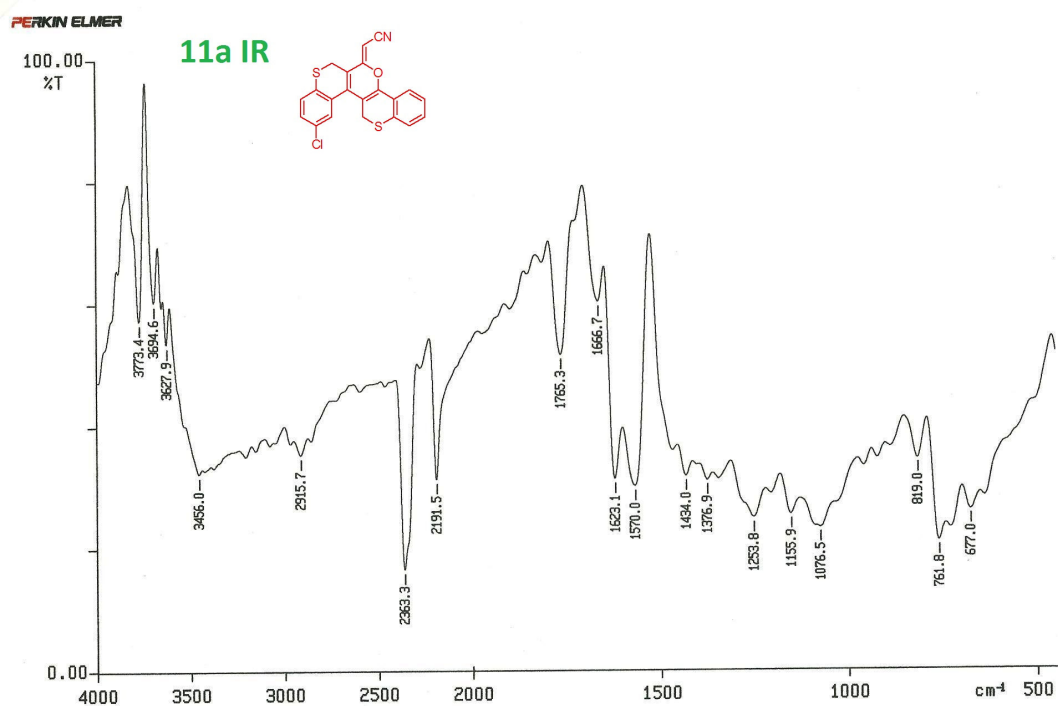
Acq. Data Name: 10FEB010A
Internal Sample Id: VJR-75
Ionization Mode: ESI+
MS Calibration Name: YOKUDELNA_ES+_2000
Reduction History: Determine m/z[Peak Detect[Centroid,50,Area],Correct Base[5.0%];Smooth[3]];Add[Correct Base[5.0%];Average(MS[1] 0.206..0.219);,1.0];Average(MS[1] 0.35...
Experiment Date/Time: 2/3/2010 11:01:33 AM

9d HRMS

Acq. Data Name(FullPath): E:\JAN10A\FEB10:10FEB010A
Ion Guide RF Volt: 550V
Orifice1 Volt Sweep: 28V
Acquired m/z Range: 10.0..1050.0
Sample Comments: DART
Spec. Record Interval: 0.4[s]
Ring Lens Volt: 13[V]
Time of Maximum: 0.363[min]
Operator Name: admin

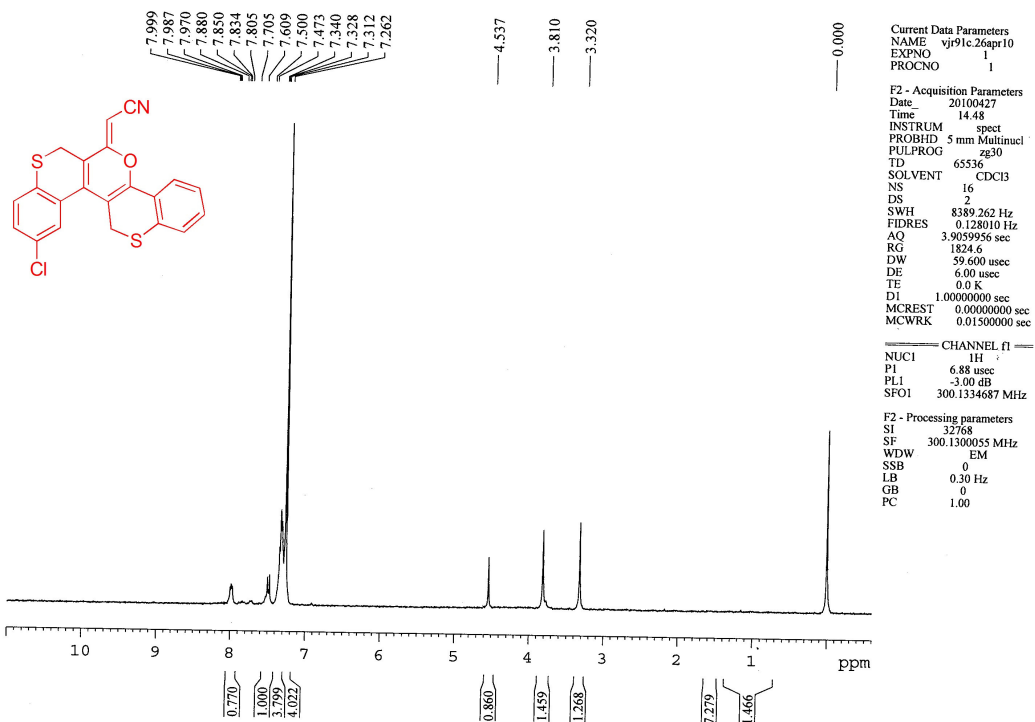


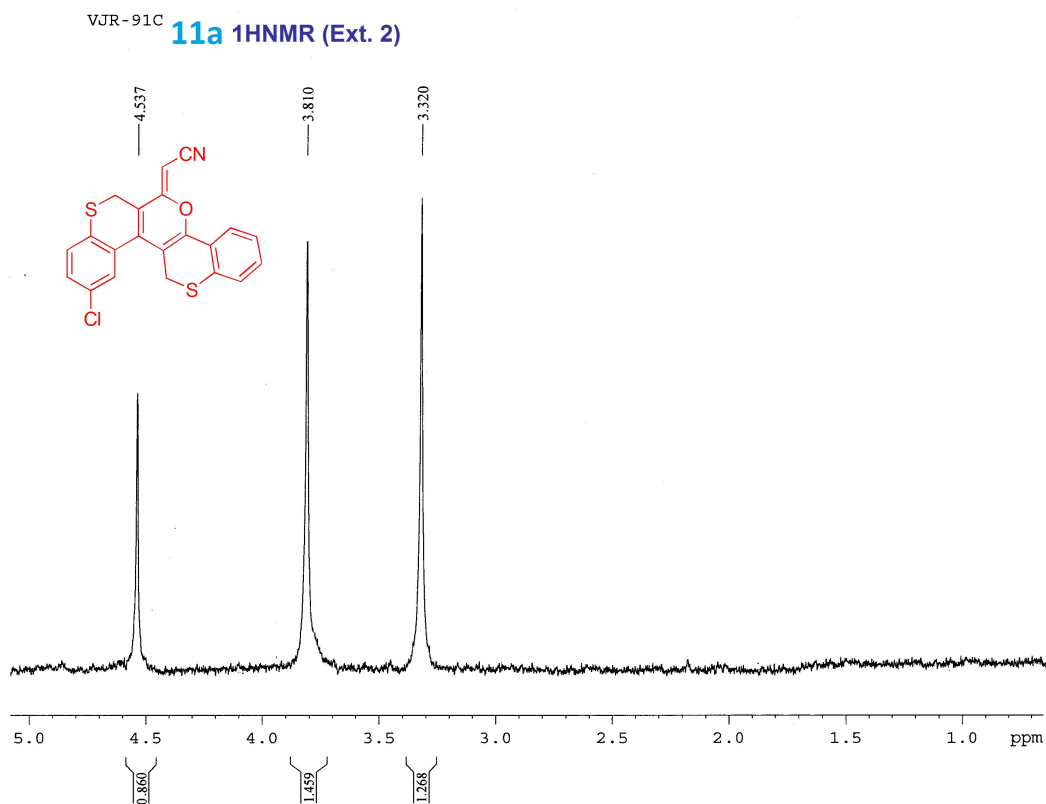
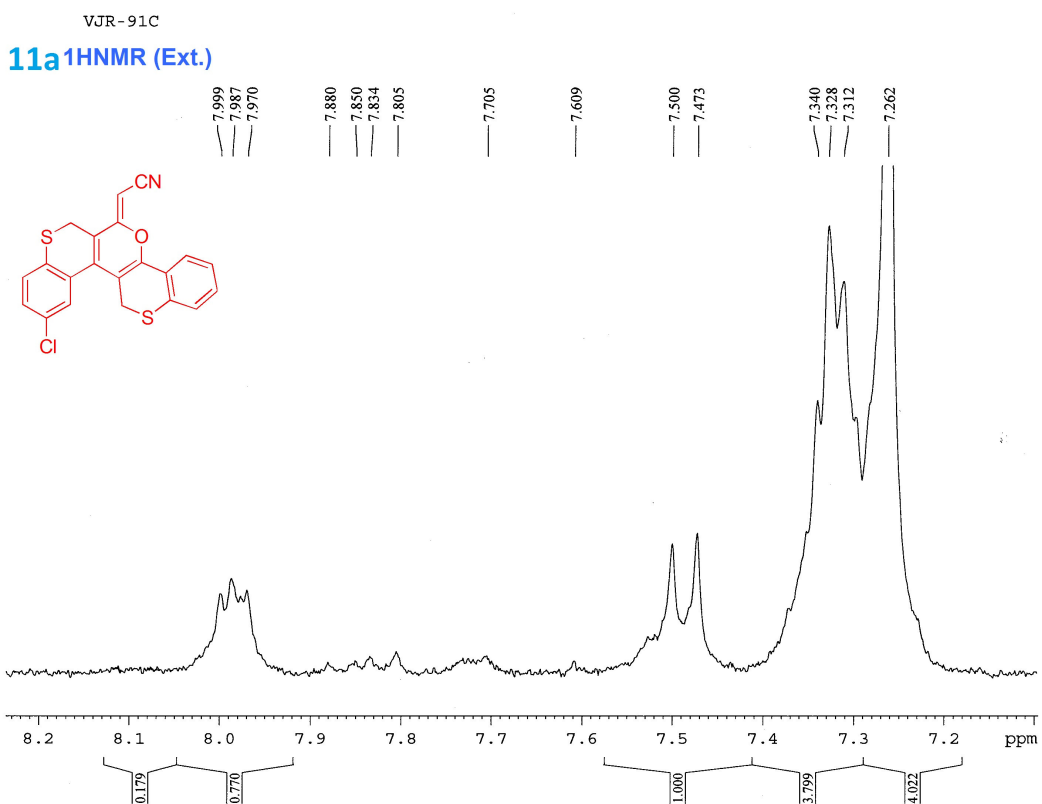


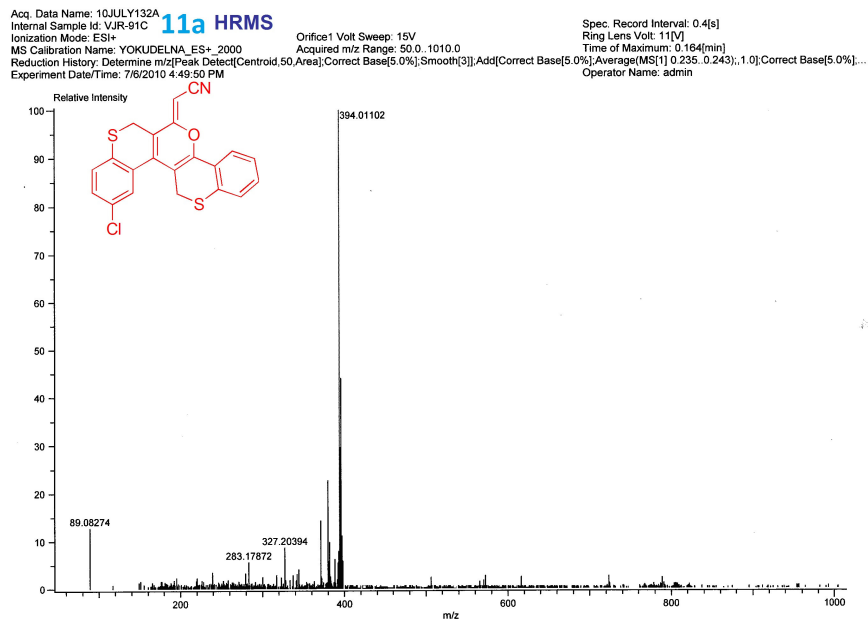
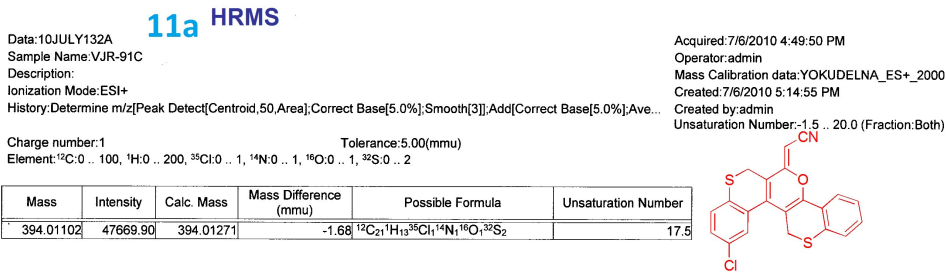
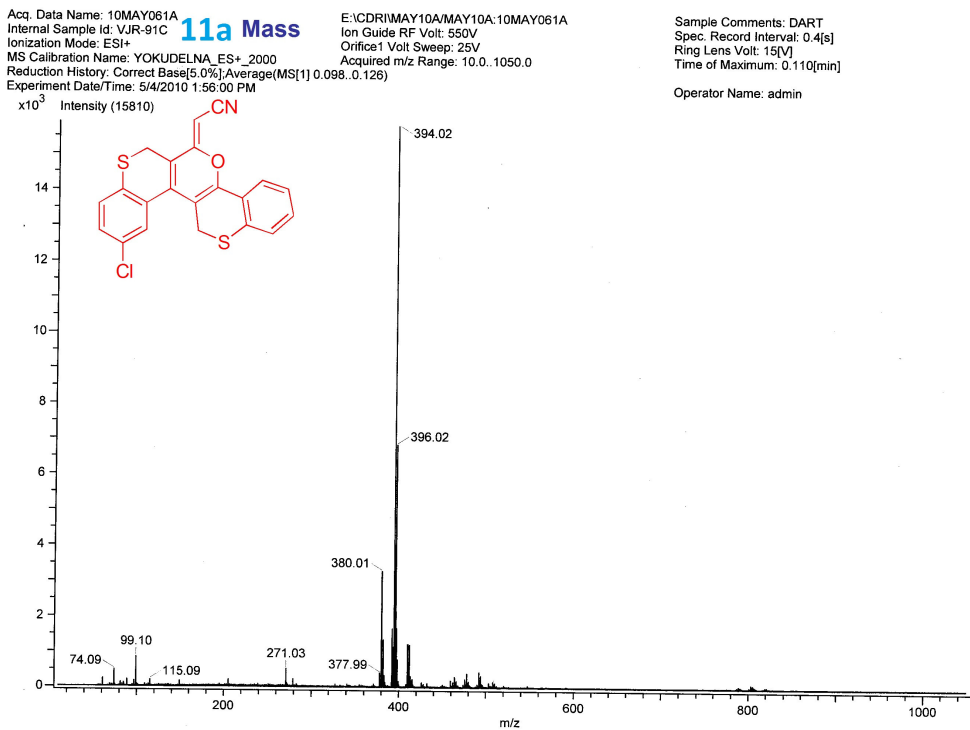


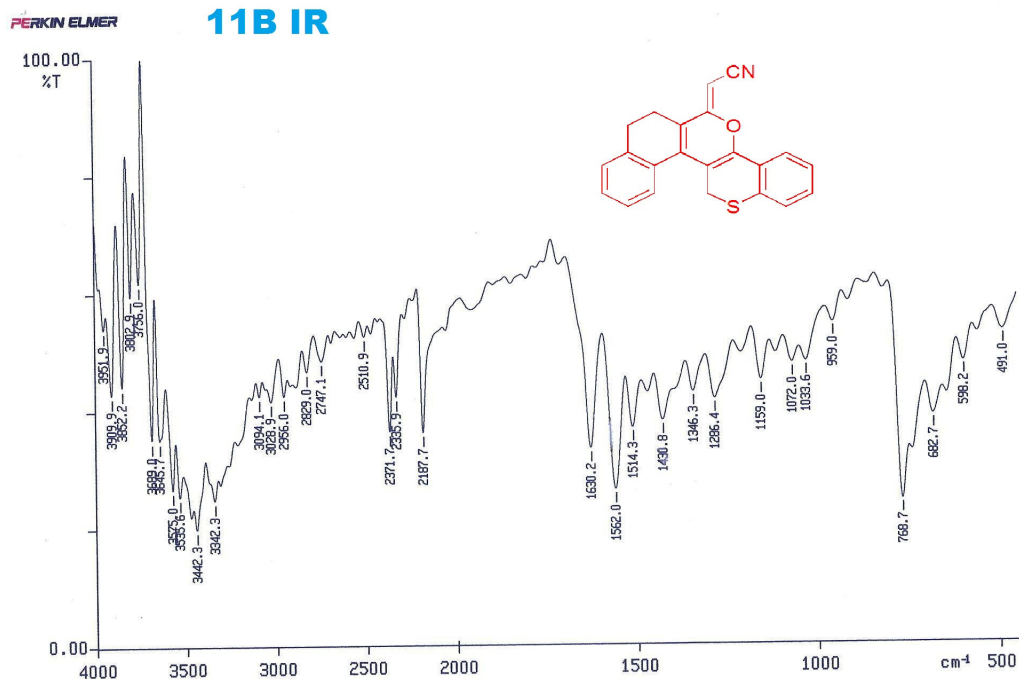
10/05/24 10:47 CODE- VJR-91C
X: 4 scans, 4.0cm⁻¹, flat, smooth, abex

11a 1H NMR
VJR-91C

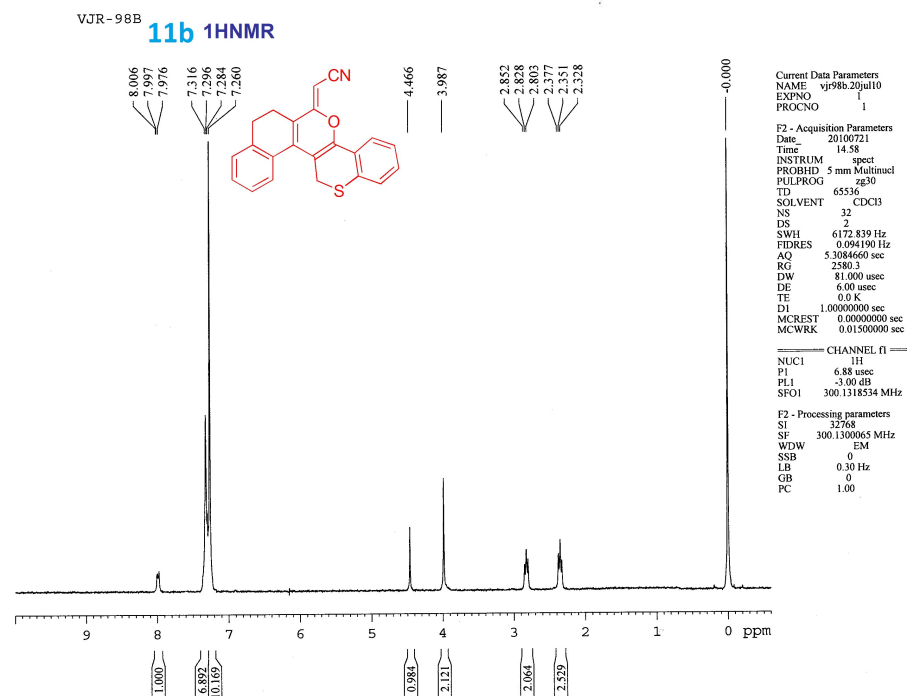








10/08/25 10:25 CODE- VJR-98B
X: 4 scans, 4.0cm⁻¹, flat, smooth, abex



Current Data Parameters
NAME: vjr98b.20jul10
EXPNO: 1
PROCNO: 1
F2 - Acquisition Parameters
Date_: 20100721
Time: 14.58
INSTRUM: spect
PROBHD: 5 mm Multimacl
PULPROG: zg30
TD: 65536
SOLVENT: CDCl3
NS: 32
DS: 2
SWH: 6172.839 Hz
FIDRES: 0.094190 Hz
AQ: 5.3084660 sec
RG: 2580.3
DW: 81.000 usec
DE: 6.00 usec
TE: 0.0 K
D1: 1.00000000 sec
MCREST: 0.00000000 sec
MCWRK: 0.01500000 sec

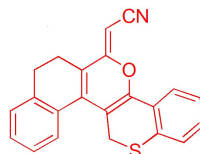
CHANNEL f1
NUC1: 1H
P1: 6.88 usec
PL1: -1.00 dB
SFO1: 300.1318534 MHz

F2 - Processing parameters
SI: 32768
SF: 300.1310065 MHz
WDW: EM
SSB: 0
LB: 0.30 Hz
GB: 0
PC: 1.00

11b HRMS
Data: 10JULY331A
Sample Name: VJR-98B
Description:
Ionization Mode: ESI+
History: Determine m/z [Peak Detect [Centroid, 50, Area]; Correct Base [5.0%]; Smooth [3]]; Add [Correct Base [5.0%]; Ave...
Charge number: 1
Tolerance: 3.00 (mmu)
Element: ¹²C: 0 .. 22, ¹H: 0 .. 16, ¹⁴N: 0 .. 1, ¹⁶O: 0 .. 1, ³²S: 0 .. 1

Mass	Intensity	Calc. Mass	Mass Difference (mmu)	Possible Formula	Unsaturation Number
342.09509	115717.53	342.09528	-0.17	¹² C ₂₂ ¹ H ₁₆ ¹⁴ N ₁ ¹⁶ O ₁ ³² S ₁	16.5

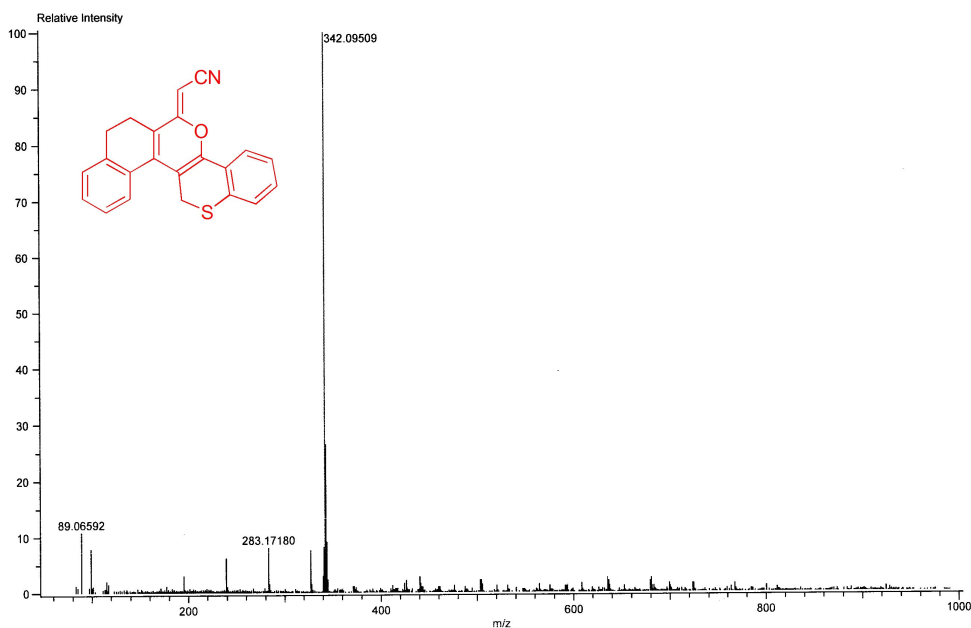
Acquired: 7/28/2010 10:41:13 AM
Operator: admin
Mass Calibration data: YOKUDELNA_ES+_2000
Created: 7/28/2010 12:05:23 PM
Created by: admin
Unsaturation Number: -1.5 .. 20.0 (Fraction: Both)



Acq. Data Name: 10JULY331A
Internal Sample Id: VJR-98B
Ionization Mode: ES+
MS Calibration Name: YOKUDELNA ES+ 2000
Reduction History: Determine m/z[Peak Detect[Centroid,50,Area];Correct Base[5.0%];Smooth[3]]Add[Correct Base[5.0%];Average[MS[1] 0.216..0.231];,1.0];Correct Base[5.0%];...
Experiment Date/Time: 7/28/2010 10:41:13 AM

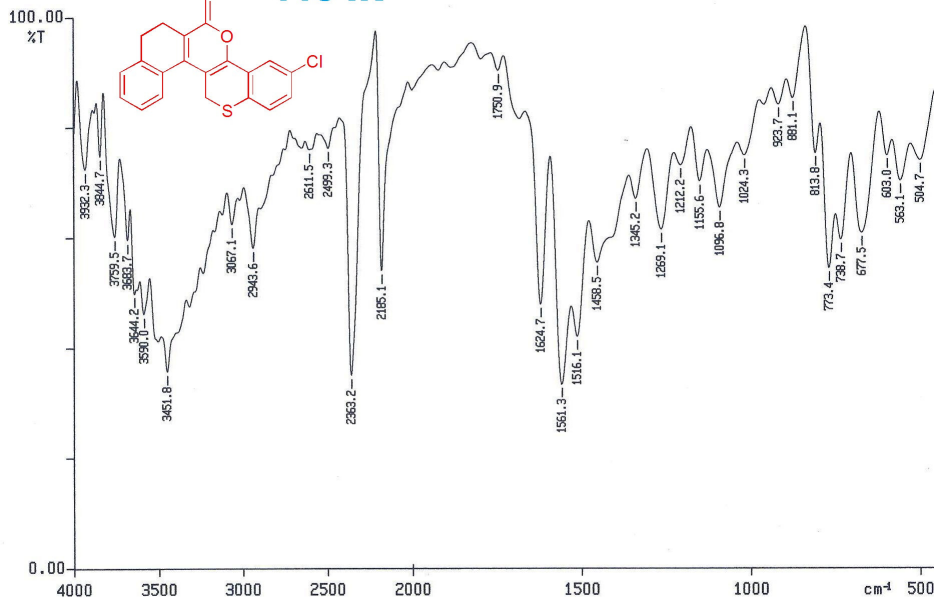
11b HRMS

Spec. Record Interval: 0.4[s]
Ring Lens Volt: 11[V]
Time of Maximum: 0.124[min]
Operator Name: admin

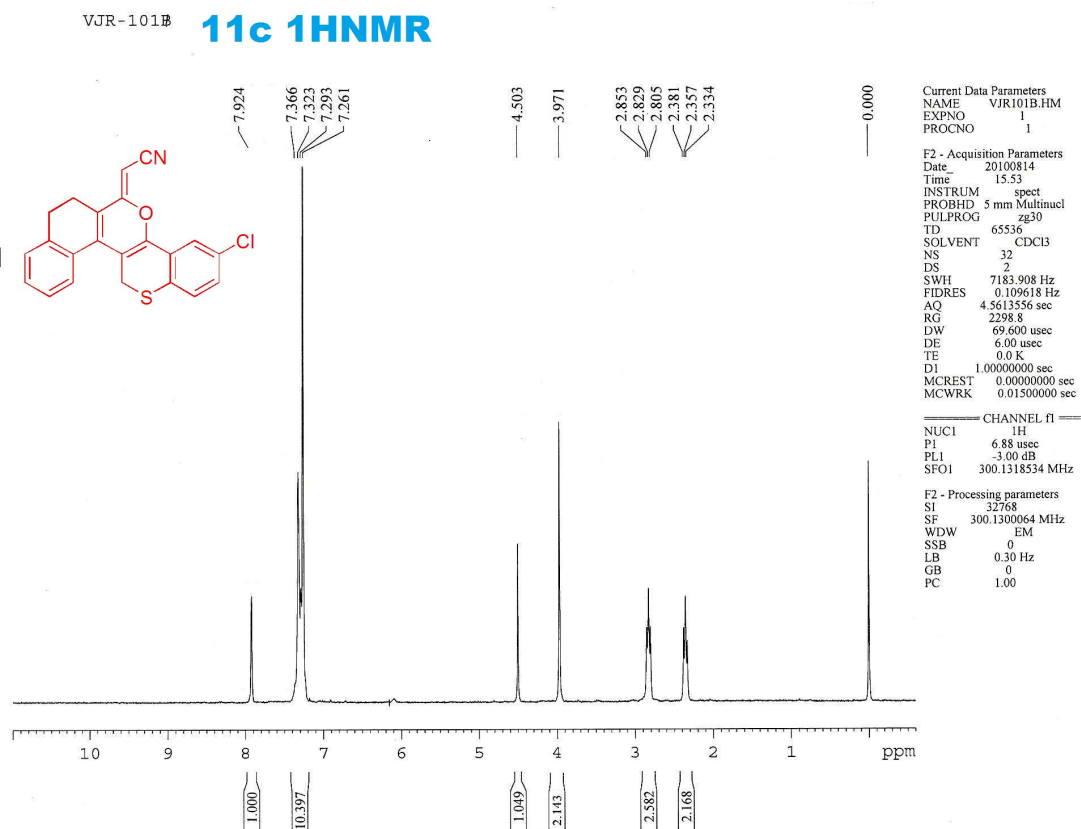


PERKIN ELMER

11c IR

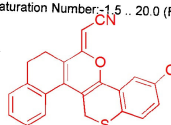


10/08/23 10:50 CODE- VJR 101A
X: 4 scans, 4.0cm-1, flat, smooth, abex



Data: 10JULY333A **11c** HRMS
Sample Name: VJR-101A
Description:
Ionization Mode: ESI+
History: Determine m/z [Peak Detect [Centroid, 50 Area], Correct Base [5.0%], Smooth [3]], Add [Correct Base [5.0%], Ave...
Charge number: 1
Element: ¹²C: 0 .. 22, ¹H: 0 .. 15, ³⁵Cl: 0 .. 1, ¹⁴N: 0 .. 1, ¹⁶O: 0 .. 1, ³²S: 0 .. 1
Tolerance: 5.00 (mmu)
Acquired: 7/28/2010 10:44:14 AM
Operator: admin
Mass Calibration data: YOKUDELNA_ES+_2000
Created: 7/28/2010 12:13:23 PM
Created by: admin
Unsaturation Number: 15.0 .. 20.0 (Fraction: Both)

Mass	Intensity	Calc. Mass	Mass Difference (mmu)	Possible Formula	Unsaturation Number
376.05452	101999.24	376.05629	-1.77	¹² C ₂₂ ¹ H ₁₅ ³⁵ Cl ₁ ¹⁴ N ₁ ¹⁶ O ₁ ³² S ₁	16.5



Acq. Data Name: 10JULY333A **11c** HRMS
Internal Sample Id: VJR-101A
Ionization Mode: ESI+
MS Calibration Name: YOKUDELNA_ES+_2000
Reduction History: Determine m/z [Peak Detect [Centroid, 50 Area], Correct Base [5.0%], Smooth [3]], Add [Correct Base [5.0%], Average [MS [1] 0.220 .. 0.231], 1.0], Correct Base [5.0%], ...
Experiment Date/Time: 7/28/2010 10:44:14 AM
Spec. Record Interval: 0.4 [s]
Ring Lens Volt: 11 [V]
Time of Maximum: 0.124 [min]
Operator Name: admin

