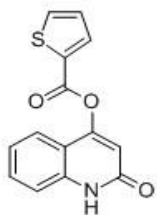


S20120912-028

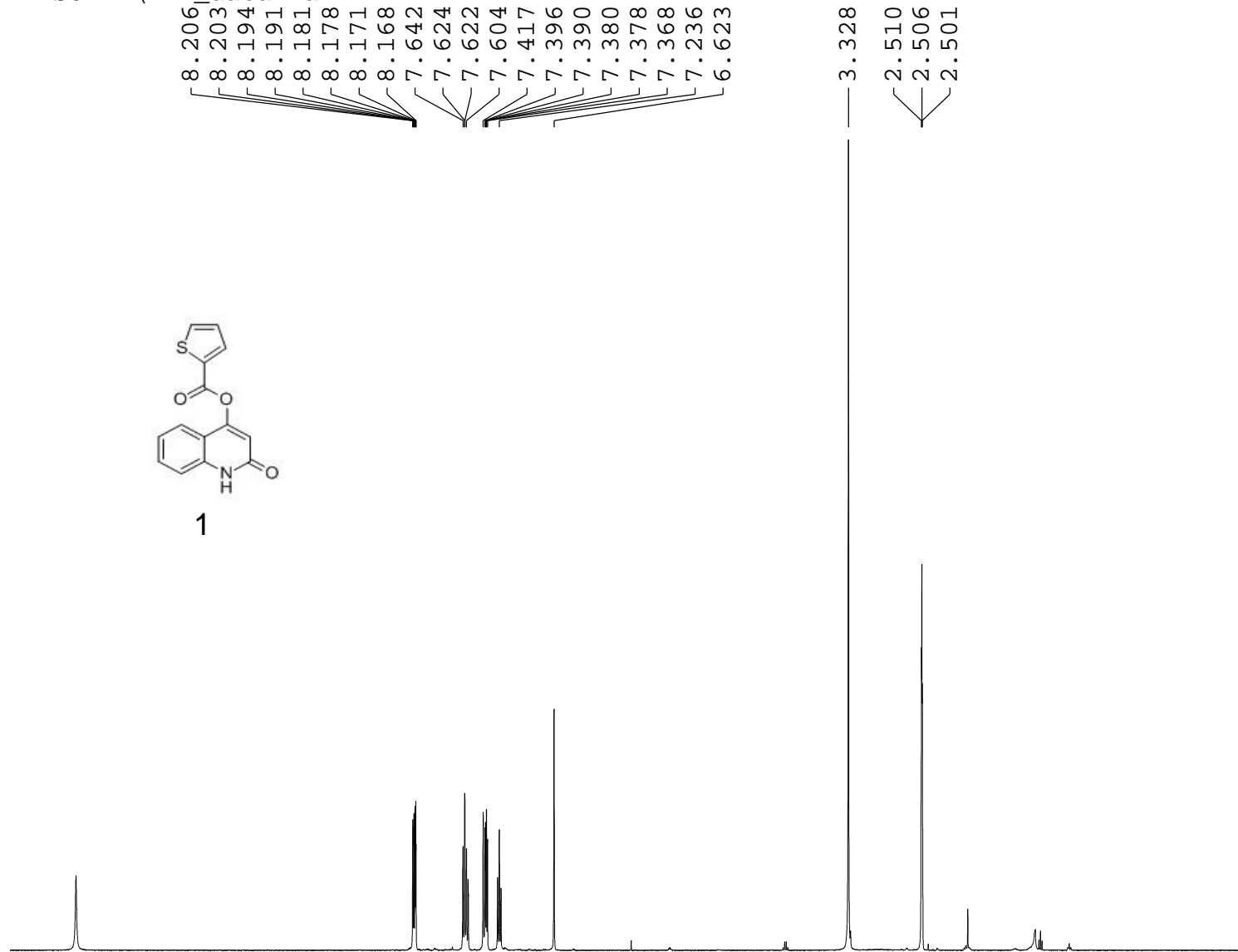
20120912

PROTON DMSO D:\nmr_data ham

8.206
8.203
8.194
8.191
8.181
8.178
8.171
8.168
7.642
7.624
7.622
7.604
7.417
7.396
7.390
7.380
7.378
7.368
7.236
6.623



1



Current Data Parameters
NAME ZFKLT
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters
Date_ 20120912
Time 20.44
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 203
DW 60.800 usec
DE 6.50 usec
TE 298.0 K
D1 1.00000000 sec

==== CHANNEL f1 =====
NUC1 1H
P1 14.50 usec
PLW1 12.85299969 W
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 65536
SF 400.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

0.92

1.87

1.96

1.98

1.00

1

3.328

2.510

2.506

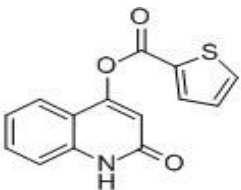
2.501

ppm

S20121106-068

20121107

C13CPD DMSO D:\nmr_data ham



1

162.62
159.08
155.91
139.42
136.86
136.67
132.09
131.13
129.52
122.73
122.53
116.10
115.14
112.97

40.62
40.41
40.20
39.99
39.78
39.58
39.37

— 0.59



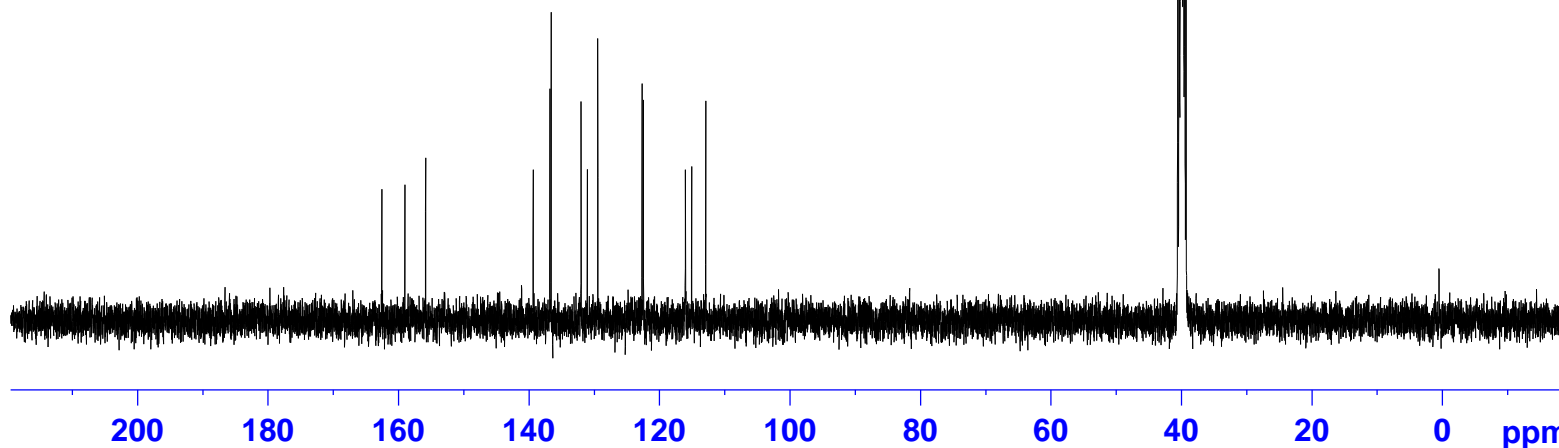
Current Data Parameters
NAME S5
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters
Date_ 20121107
Time 22.09
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 1024
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631988 sec
RG 203
DW 20.800 usec
DE 6.50 usec
TE 298.4 K
D1 2.0000000 sec
D11 0.0300000 sec

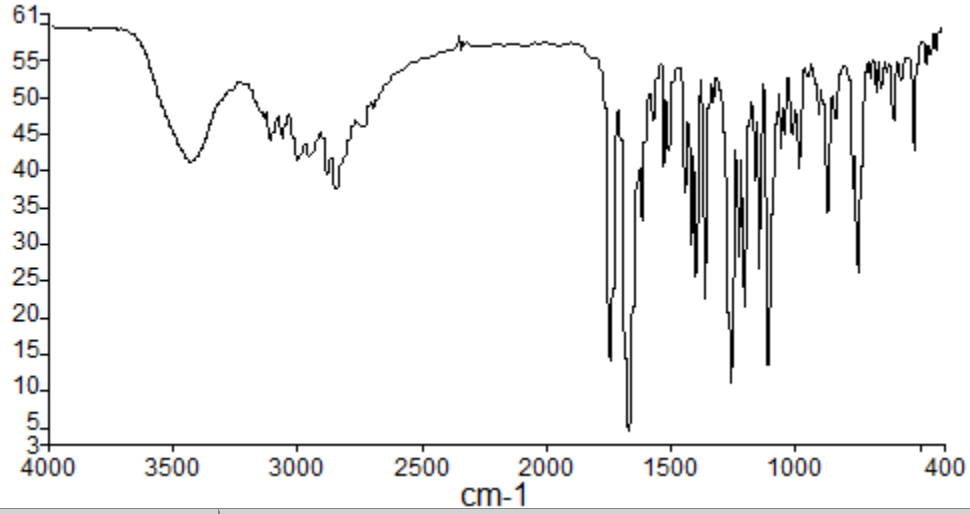
==== CHANNEL f1 =====
NUC1 13C
P1 9.65 usec
PLW1 49.65900040 W
SFO1 100.6228293 MHz

==== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 12.85299969 W
PLW12 0.34196001 W
PLW13 0.27699000 W
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127690 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

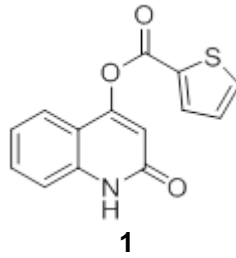


Spectrum Graph



名称	说明
S20121127-057-S6	

Search Result Peak Table Results



频谱名
S20121127-019-S6

峰值名	X	Y
48	420.22	56.74
47	446.25	56.15
46	465.5	54.84
45	512.56	42.96
44	527.26	52.83
43	568.27	52.69
42	595.43	47.24
41	627.95	53.59
40	646.39	51.63

39	666.19	50.92
38	688.43	52.96
37	732.84	26.27
36	745.51	29.09
35	761.14	37.76
34	831.6	47.35
33	864.05	34.32
32	900.78	48.12
31	942	53.19
30	978.16	40.71
29	993.29	46.92
28	1005.23	45.18
27	1033.18	45.23
26	1047.51	43.26
25	1102.79	13.59
24	1140.16	26.74
23	1156.51	39.04
22	1196.3	21.43
21	1223.9	28.51
20	1255.69	11.06
19	1323.72	49.58
18	1355.56	22.54
17	1397.41	25.63
16	1413.05	30.13
15	1437.55	37.09
14	1505.56	43.15
13	1523.1	40.64
12	1565.42	47.31
11	1610.24	33.41
10	1670.28	4.3
9	1737.21	14.06
8	2346.14	56.66
7	2851.52	37.69
6	2885.74	39.85
5	2961.37	42.28
4	3005.11	41.64
3	3067.6	44.73
2	3112.97	44.48
1	3435.76	41.51

S20120919-015

20120919

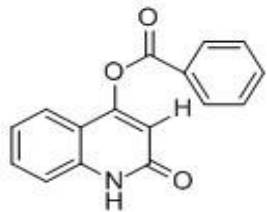
PROTON DMSO D:\nmr_data ham

11.97

8.242
8.241
8.223
8.220
7.822
7.804
7.692
7.672
7.653
7.639
7.621
7.601
7.583
7.424
7.403
7.240
7.220
7.202
6.619

3.328

2.510
2.505
2.501



2

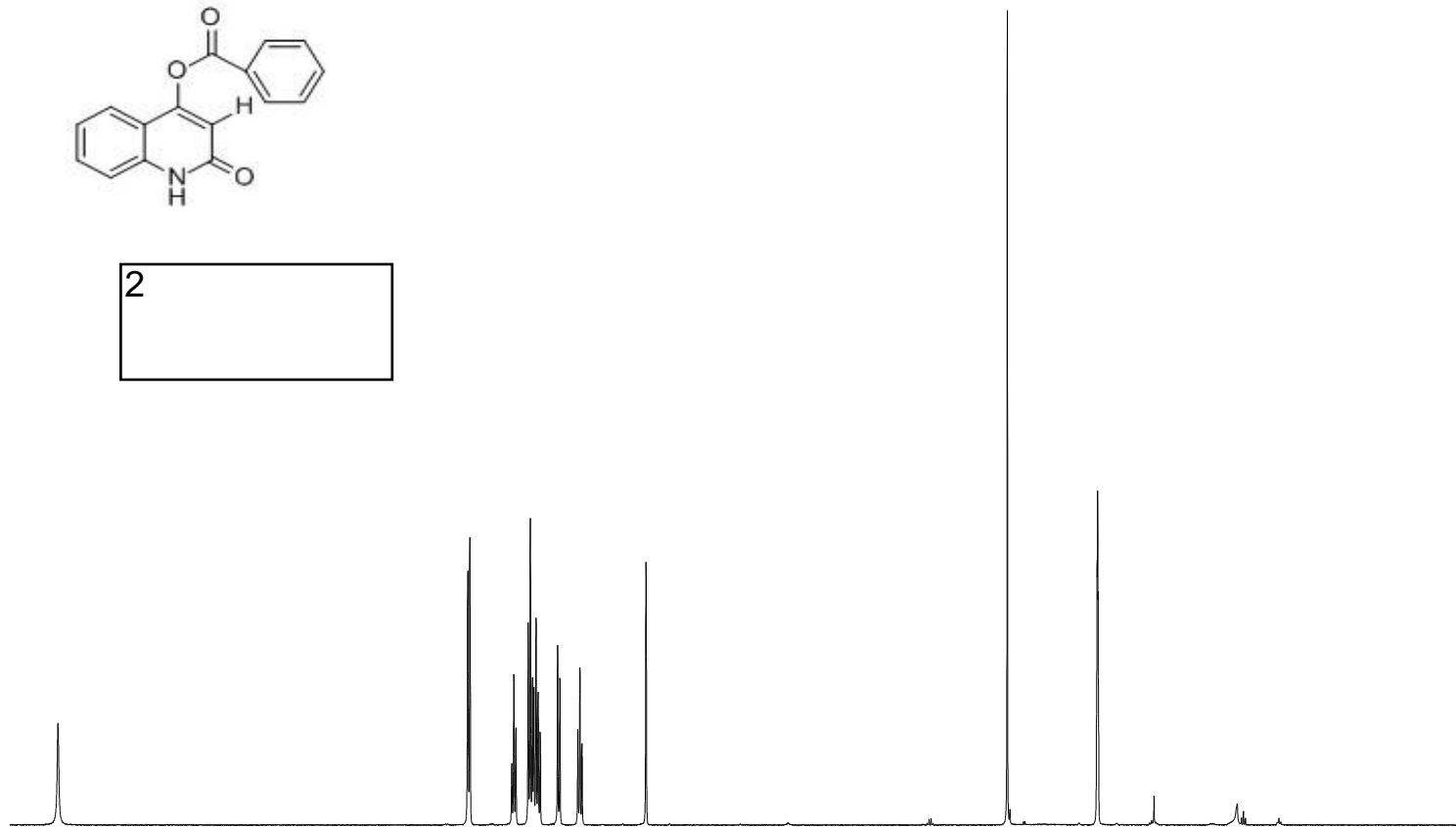


Current Data Parameters
NAME SYPN-07
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters
Date_ 20120919
Time 11.06
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 203
DW 60.800 usec
DE 6.50 usec
TE 298.0 K
D1 1.0000000 sec

==== CHANNEL f1 =====
NUC1 1H
P1 14.50 usec
PLW1 12.85299969 W
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 65536
SF 400.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



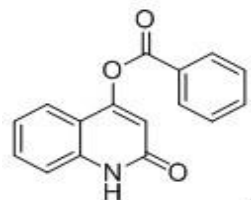
12 11 10 9 8 7 6 5 4 3 2 1 0 ppm

0.94
1.97
1.00
3.98
1.01
1.01
0.90

S20121106-079

20121108

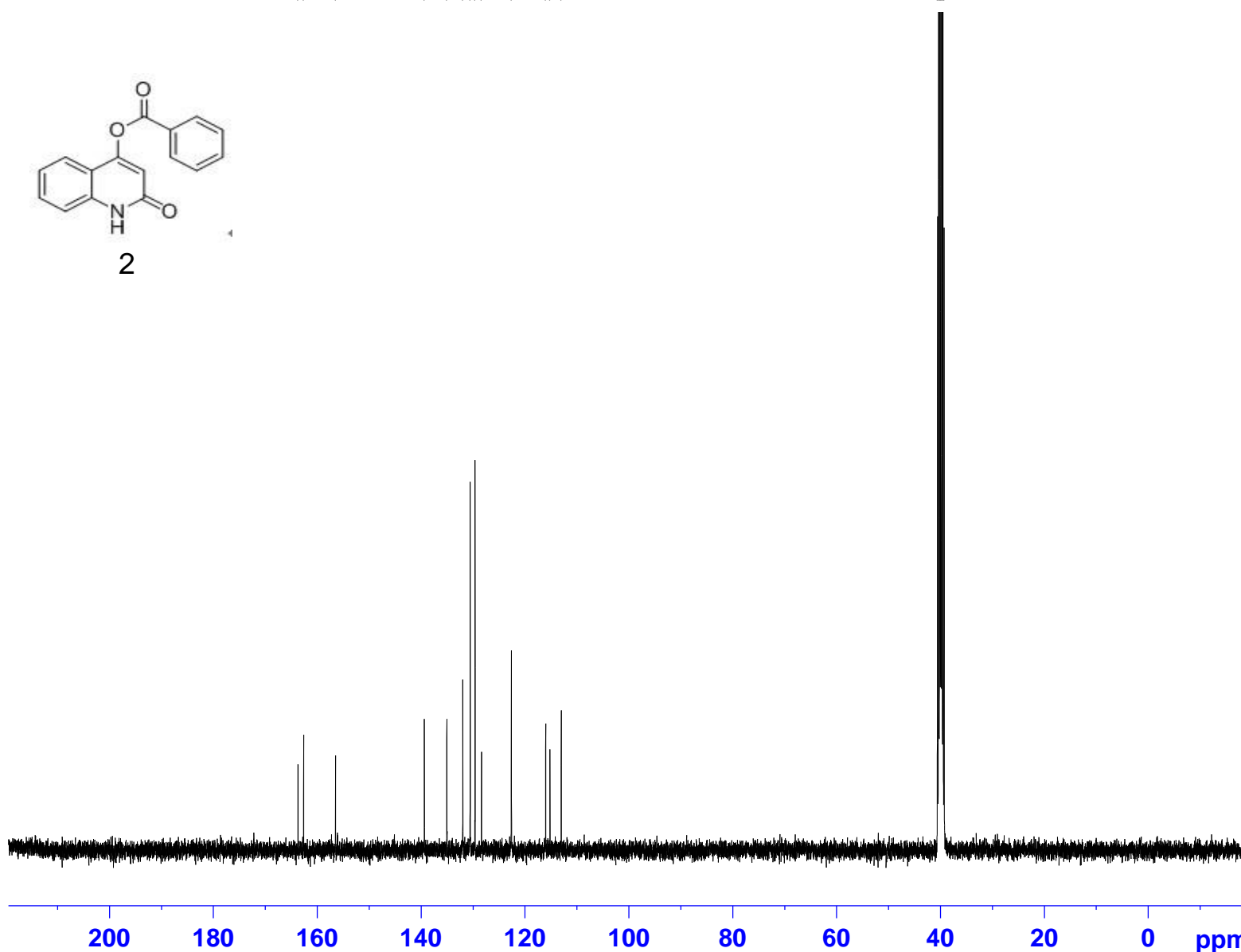
C13CPD DMSO D:\nmr_data ham



2

163.77
162.68
156.53
139.44
135.11
132.04
130.61
129.67
128.43
122.69
116.08
115.26
113.08

40.62
40.41
40.20
39.99
39.78
39.57
39.36



Current Data Parameters
NAME S-13
EXPNO 10
PROCNO 1

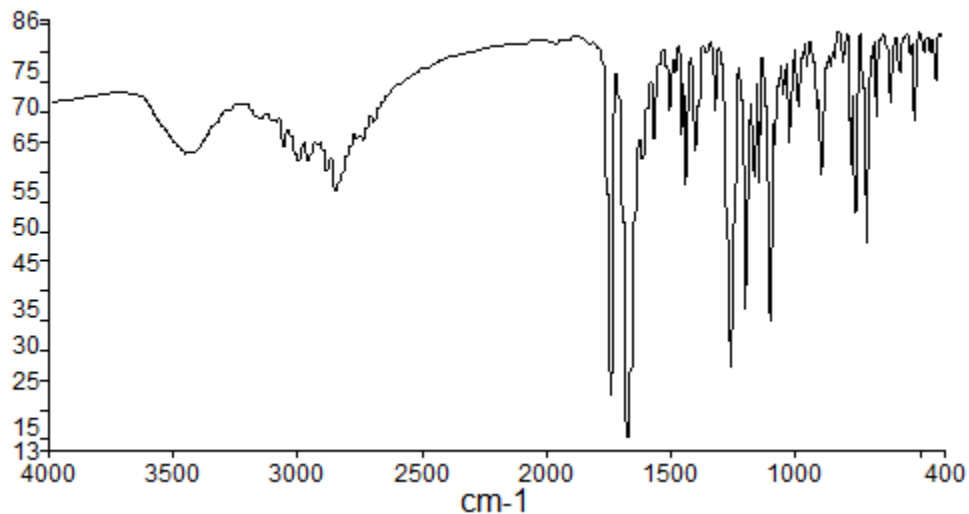
F2 - Acquisition Parameters
Date_ 20121108
Time 21.01
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 1024
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631988 sec
RG 203
DW 20.800 usec
DE 6.50 usec
TE 298.0 K
D1 2.00000000 sec
D11 0.03000000 sec

==== CHANNEL f1 =====
NUC1 13C
P1 9.65 usec
PLW1 49.65900040 W
SFO1 100.6228293 MHz

==== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 12.85299969 W
PLW12 0.34196001 W
PLW13 0.27699000 W
SFO2 400.1316005 MHz

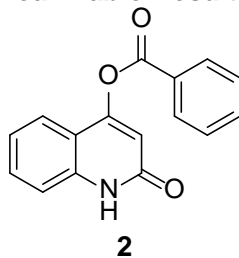
F2 - Processing parameters
SI 32768
SF 100.6127690 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

Spectrum Graph



名称	说明
S20121127-063-S13	

Search Result
Peak Table Results



频谱名
S20121127-063-S13_001

峰值名	X	Y
37	424.88	75.92
36	471.73	80.36
35	512.49	69.11
34	570.99	77.07
33	609	72.11
32	664.96	69.8
31	708.31	48.1
30	749.16	53.51
29	768.2	61.5
28	801.24	78.7

27	887.82	60.01
26	944.6	77.97
25	979.91	71.54
24	1020.13	65.25
23	1039.3	73.47
22	1071.12	65.07
21	1093.26	35.14
20	1142.11	58.68
19	1157.77	59.47
18	1195.7	36.94
17	1251.15	27.2
16	1313.48	70.75
15	1396.56	64.07
14	1437.8	57.82
13	1452	66.65
12	1480.97	76.95
11	1507.52	70.63
10	1567.23	65.57
9	1612.1	62.14
8	1671.27	15.02
7	1740.3	22.22
6	2849.8	57
5	2889.43	60.44
4	2961.47	62.07
3	3006.96	61.96
2	3064.01	64.52
1	3461.94	63.38

S20120925-058

20120925

PROTON DMSO D₂O \nmr_data ham

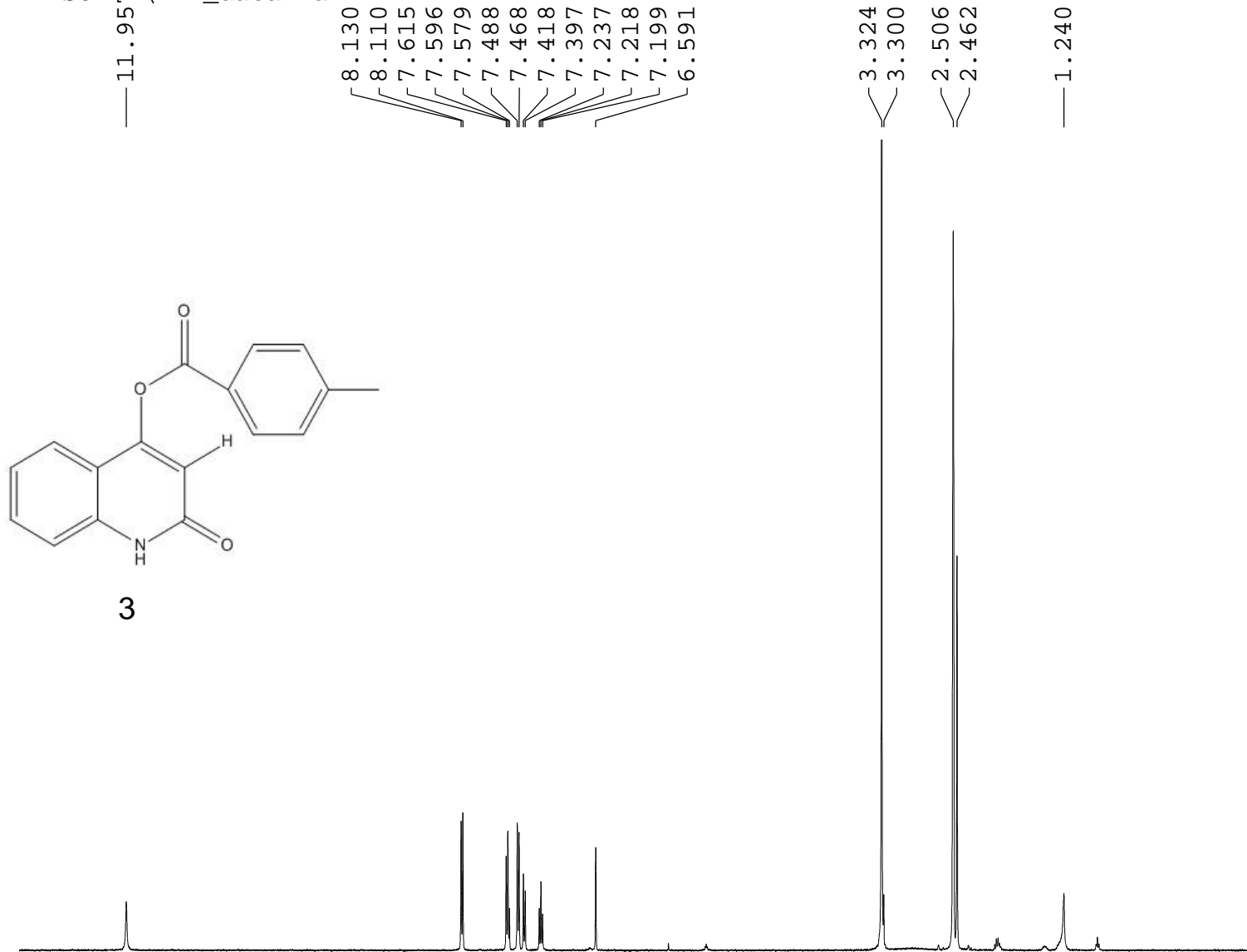


Current Data Parameters
NAME SYP-N-12
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters
Date_ 20120925
Time 17.46
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 203
DW 60.800 usec
DE 6.50 usec
TE 298.0 K
D1 1.00000000 sec

==== CHANNEL f1 =====
NUC1 1H
P1 14.50 usec
PLW1 12.85299969 W
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 65536
SF 400.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



13 12 11 10 9 8 7 6 5 4 3 2 1 0 ppm

0.95

1.96
1.97
1.98
1.00
1.05
0.84

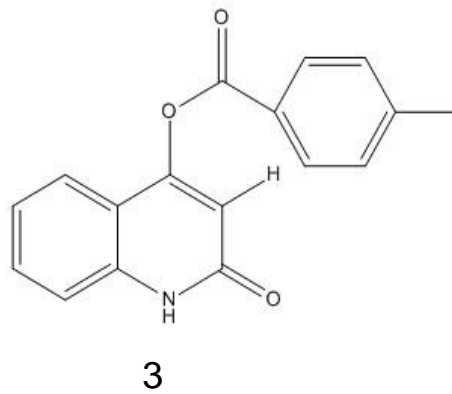
2.96

11.957

8.130
8.110
7.615
7.596
7.579
7.488
7.468
7.418
7.397
7.237
7.218
7.199
6.591

3.324
3.300
2.506
2.462

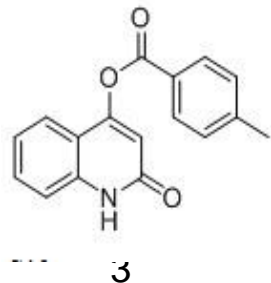
1.240



S20121106-073

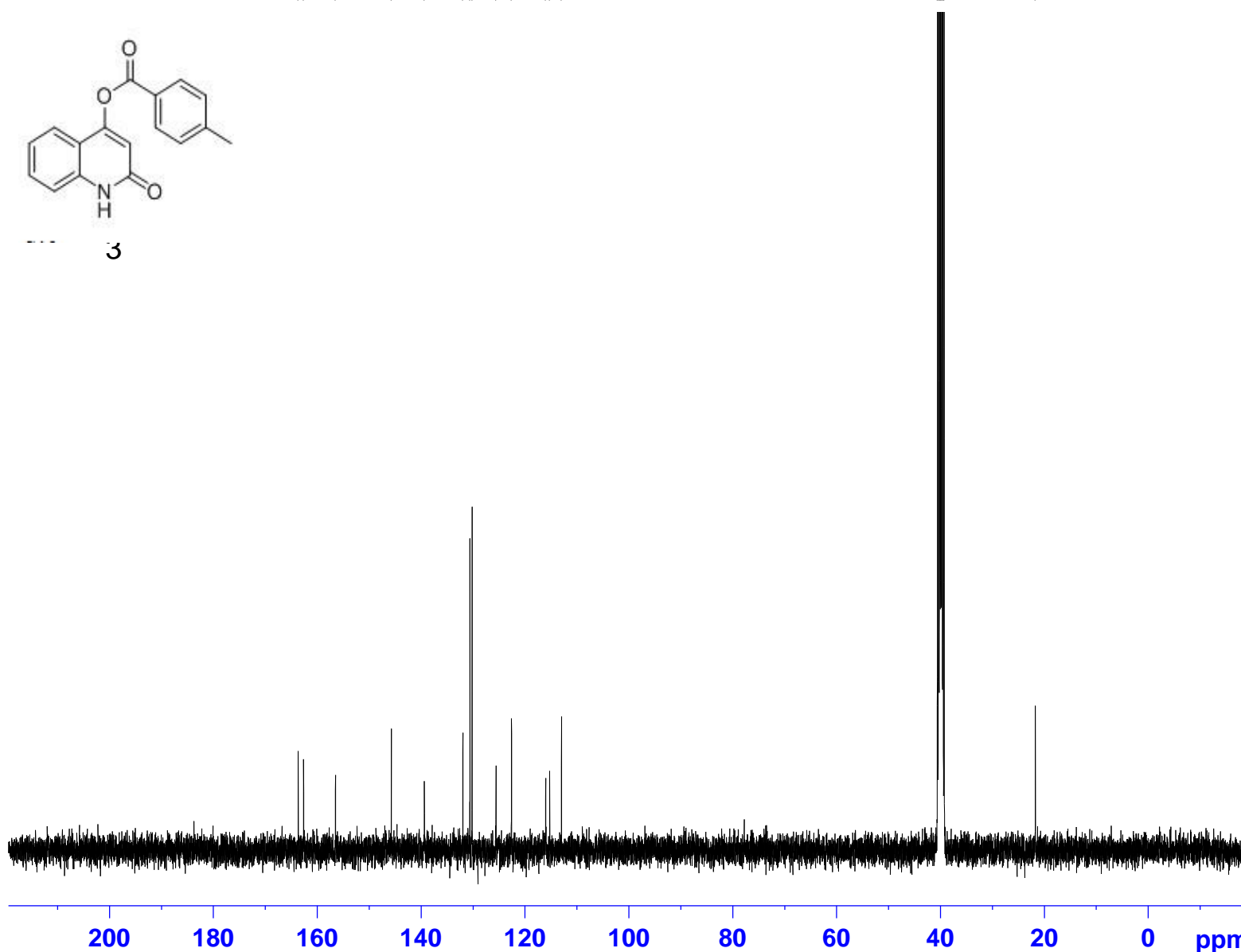
20121107

C13CPD DMSO D:\nmr_data ham



163.73
162.69
156.55
145.78
139.43
132.02
130.67
130.23
125.64
122.67
116.08
115.31
113.03

40.62
40.41
40.20
39.99
39.78
39.58
39.37
21.80



Current Data Parameters
NAME S10
EXPNO 10
PROCNO 1

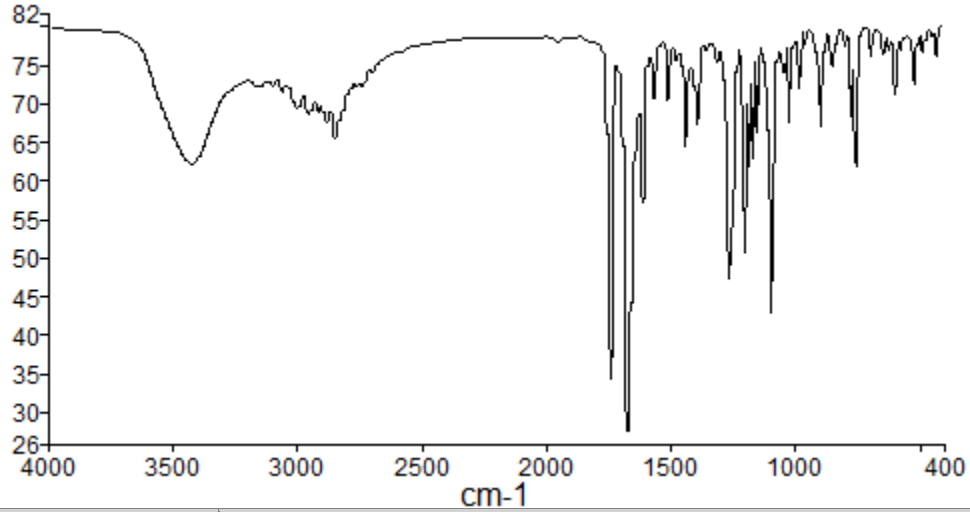
F2 - Acquisition Parameters
Date_ 20121108
Time 3.15
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 1024
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631988 sec
RG 203
DW 20.800 usec
DE 6.50 usec
TE 298.6 K
D1 2.0000000 sec
D11 0.0300000 sec

==== CHANNEL f1 =====
NUC1 13C
P1 9.65 usec
PLW1 49.65900040 W
SFO1 100.6228293 MHz

==== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 12.85299969 W
PLW12 0.34196001 W
PLW13 0.27699000 W
SFO2 400.1316005 MHz

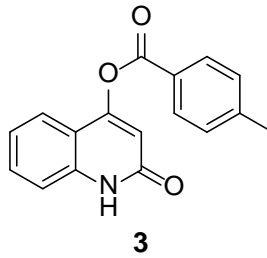
F2 - Processing parameters
SI 32768
SF 100.6127690 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

Spectrum Graph



名称	说明
S20121127-075-S10	

Search Result
Peak Table Results



频谱名
S20121127-075-S10

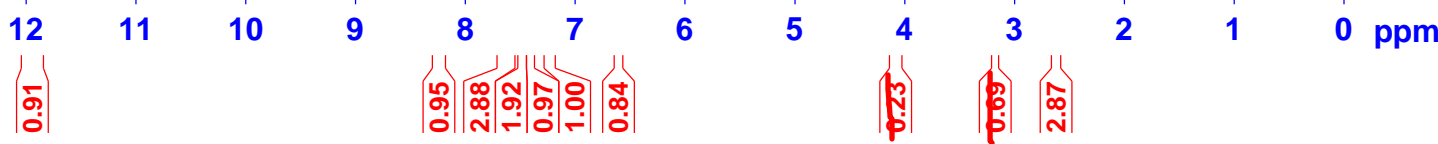
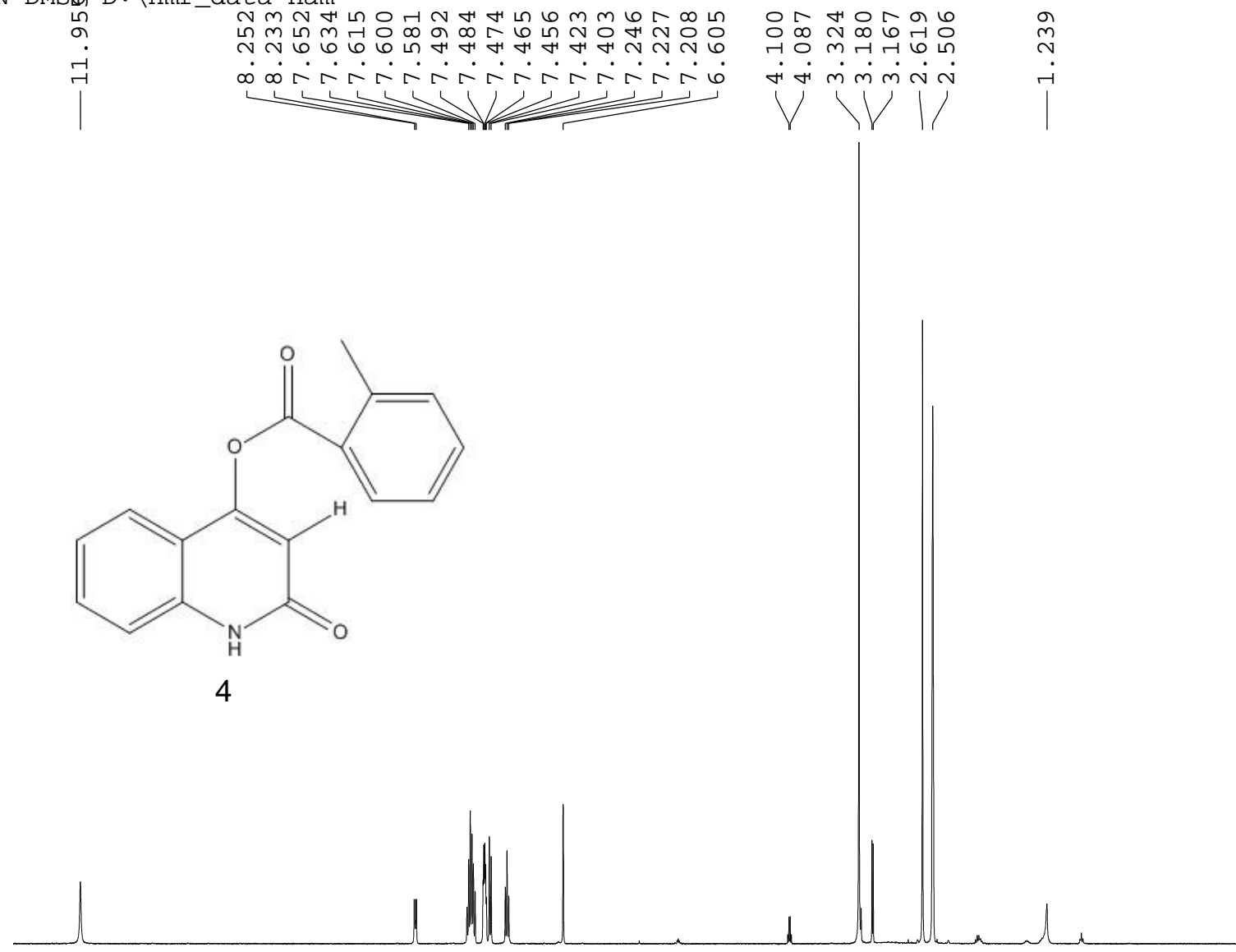
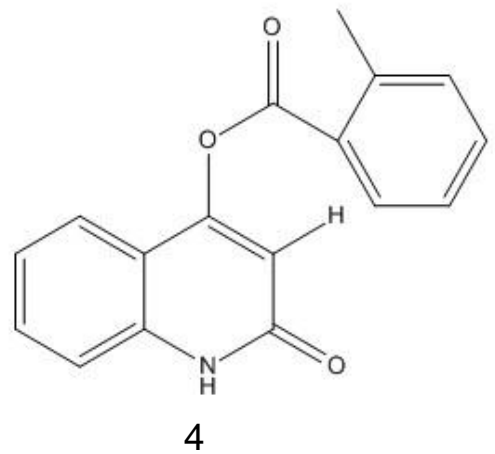
峰值名	X	Y
34	426.19	76.45
33	480.97	77.08
32	512.8	72.89
31	590.14	71.63
30	643.62	76.77
29	691.94	76.39
28	742.76	62.12
27	751.32	62.99
26	767.69	68.56
25	833.74	75.26

24	845.65	75.76
23	886.09	67.22
22	978.53	72.16
21	1016.1	67.95
20	1039.72	74.43
19	1091.74	42.91
18	1142.49	66.5
17	1161.23	63.29
16	1182.97	62.04
15	1196.47	50.75
14	1256.74	47.3
13	1309.84	75.65
12	1393.33	67.52
11	1438.06	64.69
10	1509.23	70.78
9	1566.96	70.99
8	1610.31	57.34
7	1671.89	27.26
6	1739.86	33.98
5	2853.51	65.74
4	2890.67	67.97
3	2963.5	68.98
2	3013.57	69.68
1	3435.52	62.44

S20120925-063

20120925

PROTON DMSO D:\nmr_data ham



Current Data Parameters
NAME SYP-N-17
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters
Date_ 20120925
Time 18.05
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 203
DW 60.800 usec
DE 6.50 usec
TE 298.0 K
D1 1.00000000 sec

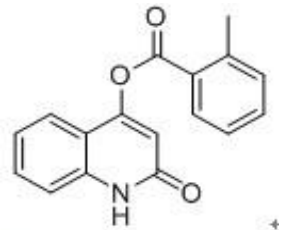
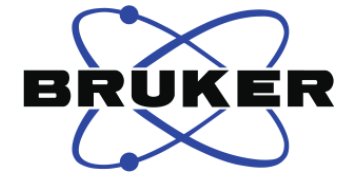
==== CHANNEL f1 =====
NUC1 1H
P1 14.50 usec
PLW1 12.85299969 W
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 65536
SF 400.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

S20121106-081

20121108

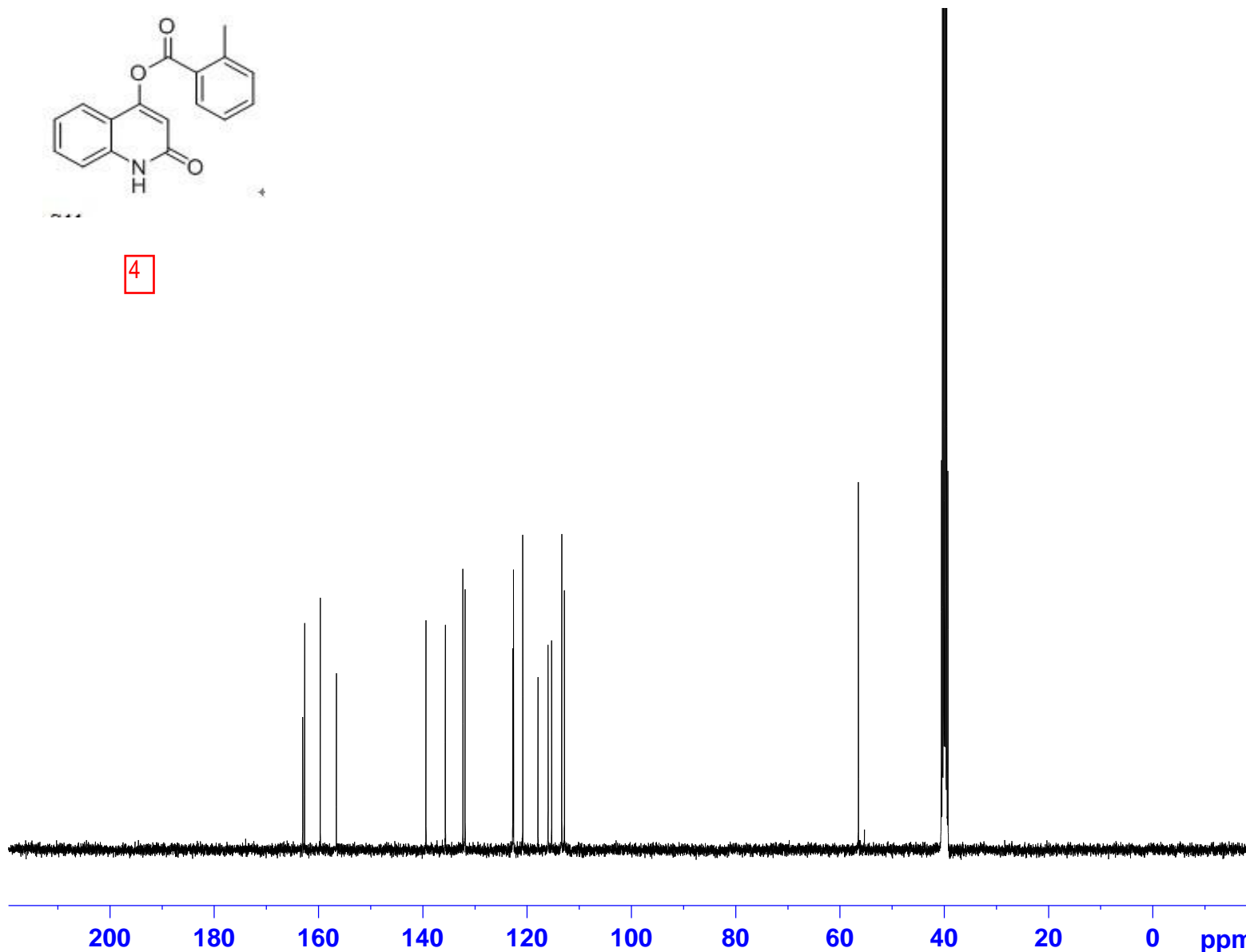
C13CPD DMSO D:\nmr_data ham



4

163.10
162.73
159.72
156.64
139.45
135.75
132.37
131.96
122.81
122.66
120.89
117.97
116.05
115.36
113.41
112.90

56.53
55.37
40.61
40.40
40.20
39.99
39.78
39.57
39.36



Current Data Parameters
NAME S-11
EXPNO 10
PROCNO 1

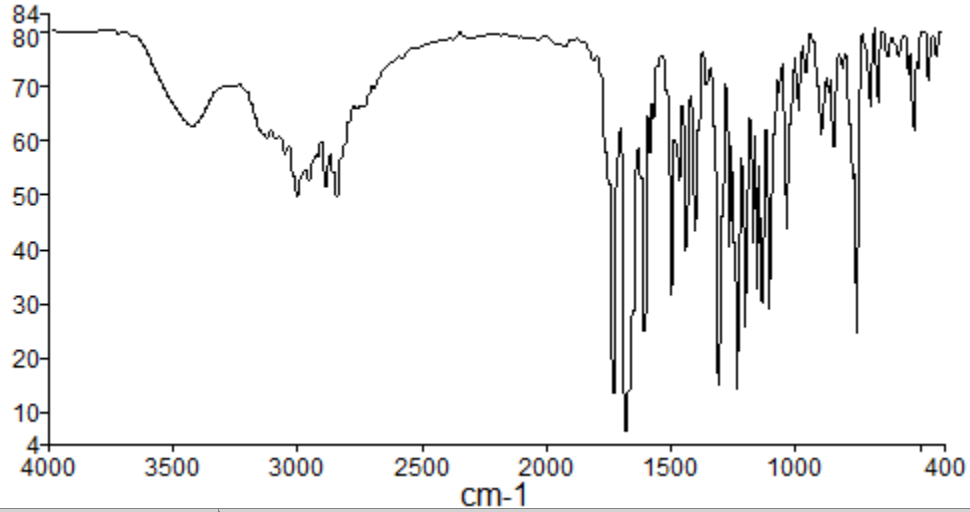
F2 - Acquisition Parameters
Date_ 20121108
Time 18.59
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 1024
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631988 sec
RG 203
DW 20.800 usec
DE 6.50 usec
TE 298.0 K
D1 2.0000000 sec
D11 0.0300000 sec

==== CHANNEL f1 =====
NUC1 13C
P1 9.65 usec
PLW1 49.65900040 W
SFO1 100.6228293 MHz

==== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 12.85299969 W
PLW12 0.34196001 W
PLW13 0.27699000 W
SFO2 400.1316005 MHz

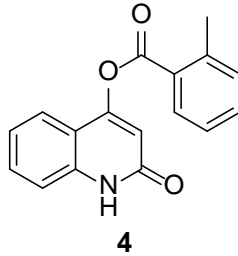
F2 - Processing parameters
SI 32768
SF 100.6127690 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

Spectrum Graph



名称	说明
S20121127-061-S11	

Search Result
Peak Table Results



频谱名
S20121127-061-S11

峰值名	X	Y
51	422.76	75.9
50	456.84	71.69
49	498.03	73.74
48	513.24	62.48
47	530.45	72.2
46	575.58	75.86
45	612.67	76.08
44	625.16	75.98
43	658.59	67.37
42	683.18	66.75

41	700.75	72.06
40	745.18	24.7
39	768.57	53.11
38	801.29	73.63
37	837.55	59.43
36	861.78	69.21
35	877.14	63.43
34	896.38	61.7
33	950.59	73.21
32	975.22	65.9
31	1023.2	43.76
30	1034.84	54.81
29	1058.98	69.4
28	1099.9	29.14
27	1126.71	30.42
26	1143.37	32.93
25	1157.47	38.46
24	1169.19	54.11
23	1199.88	25.81
22	1231.46	14.29
21	1261.36	40.59
20	1300.33	14.67
19	1351.51	70.86
18	1394.49	43.37
17	1437.88	39.93
16	1458.8	52.67
15	1476.9	58.73
14	1491.6	31.78
13	1502.69	57.6
12	1568.08	64.66
11	1579.87	58.06
10	1603.34	24.8
9	1674.99	6.14
8	1726.78	13.14
7	2852.29	49.78
6	2888.96	51.47
5	2962.64	53.06
4	3010.98	50.06
3	3061.14	57.78
2	3133.26	60.9
1	3429.52	62.94

S20120919-012

20120919

PROTON DMSO D:\nmr_data ham

— 11.958

8.152
8.132
7.617
7.597
7.577
7.513
7.493
7.419
7.399
7.233
7.214
7.195
6.588
5.759

3.329
2.784
2.765
2.746
2.727
2.510
2.505
2.501
1.262
1.243
1.224

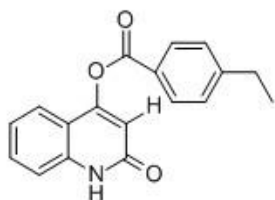


Current Data Parameters
NAME SYPN-04
EXPNO 10
PROCNO 1

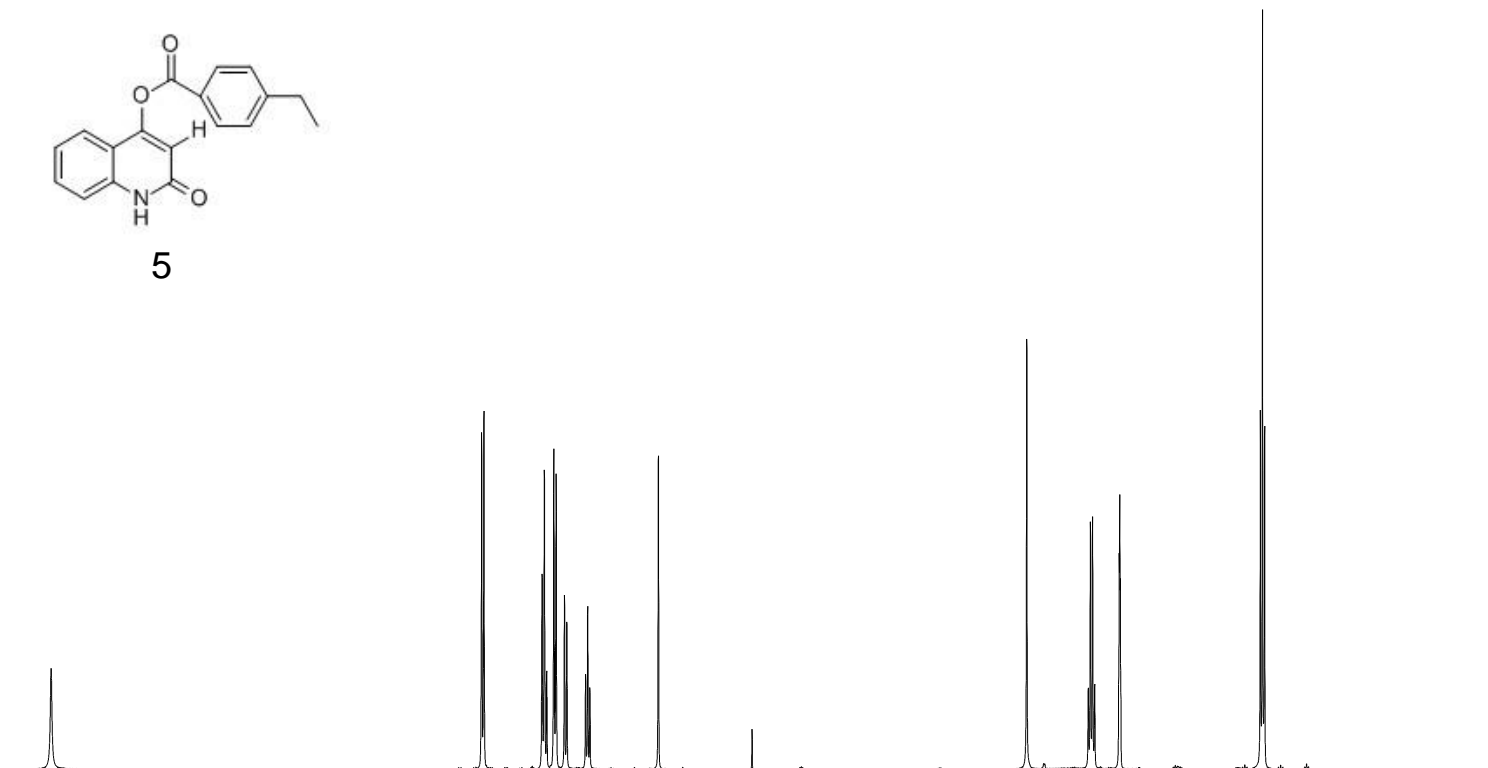
F2 - Acquisition Parameters
Date_ 20120919
Time 10.55
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 203
DW 60.800 usec
DE 6.50 usec
TE 298.0 K
D1 1.0000000 sec

==== CHANNEL f1 =====
NUC1 1H
P1 14.50 usec
PLW1 12.85299969 W
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 65536
SF 400.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



5



0.94

1.96
1.97
1.99
1.02
1.00
0.90

2.00

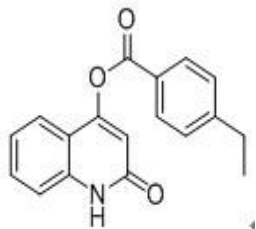
3.16

S20121106-066

20121107

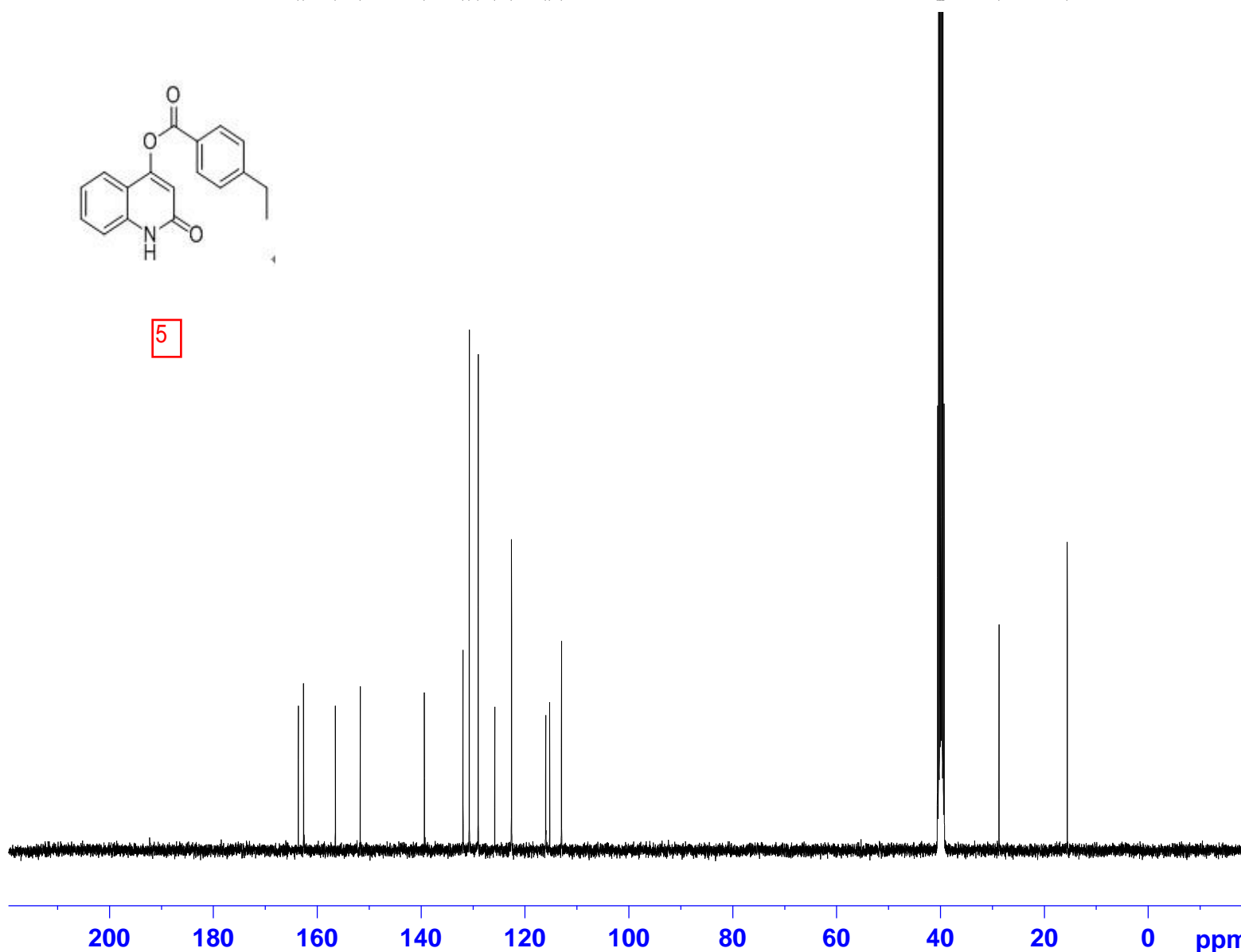
C13CPD DMSO D:\nmr_data ham

163.71
162.70
156.58
151.78
139.43
132.00
130.79
129.08
125.88
122.66
116.07
115.32
113.03



5

40.61
40.41
40.20
39.99
39.78
39.57
39.36
28.78
15.65



Current Data Parameters
NAME S3
EXPNO 10
PROCNO 1

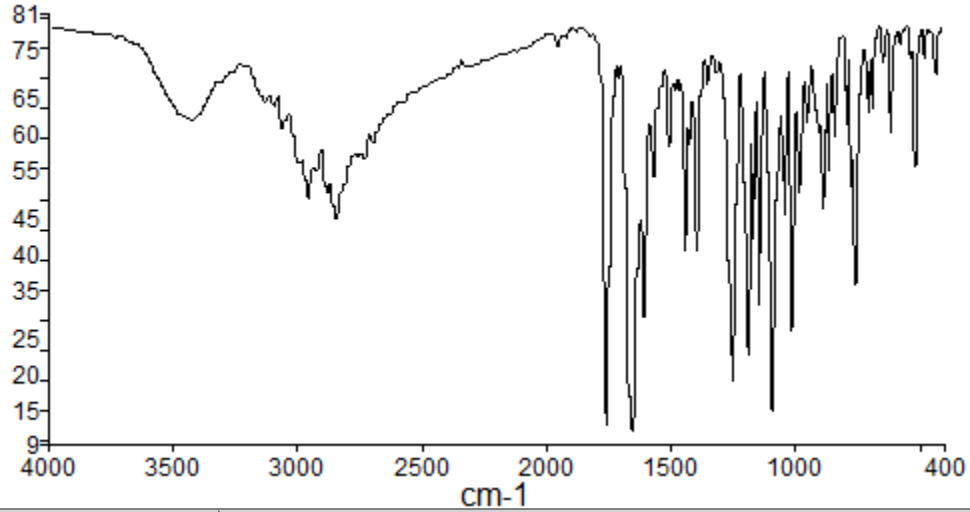
F2 - Acquisition Parameters
Date_ 20121107
Time 20.07
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 1024
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631988 sec
RG 203
DW 20.800 usec
DE 6.50 usec
TE 298.0 K
D1 2.0000000 sec
D11 0.0300000 sec

==== CHANNEL f1 =====
NUC1 13C
P1 9.65 usec
PLW1 49.65900040 W
SFO1 100.6228293 MHz

==== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 12.85299969 W
PLW12 0.34196001 W
PLW13 0.27699000 W
SFO2 400.1316005 MHz

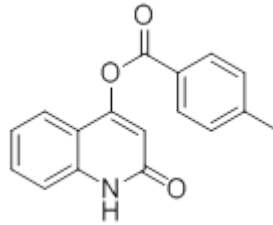
F2 - Processing parameters
SI 32768
SF 100.6127690 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

Spectrum Graph



名称	说明
S20121127-054-S3	

**Search Result
Peak Table Results**



5

频谱名
S20121127-016-S3

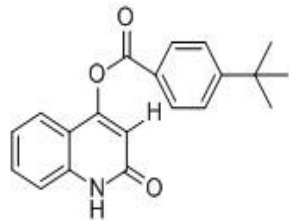
峰值名	X	Y
47	425.27	71.07
46	469.48	73.77
45	508.52	55.95
44	566.95	76
43	602.72	69.65
42	611.83	61.63
41	639.84	73.2
40	678.97	65.47
39	694.04	64.92
38	749.86	36.05
37	764.65	51.06
36	784.58	62.77
35	834.83	60.97
34	860.69	55.04
33	880.41	48.43
32	944.82	63.1
31	976.87	51.34
30	1007.77	28.3
29	1034.99	47.96

28	1086.64	14.76
27	1125.98	63.63
26	1140.42	32.45
25	1156.46	43.39
24	1182.09	24.11
23	1194.61	32.42
22	1243.2	19.95
21	1312.74	71.48
20	1351.71	69.53
19	1389.58	41.43
18	1417.93	59.4
17	1435.59	41.53
16	1459.74	68.44
15	1499.65	58.82
14	1510.08	61.03
13	1565.74	53.66
12	1609.45	30.72
11	1655.12	11.17
10	1714.4	70.27
9	1756.12	12.33
8	1952.89	75.85
7	2698.17	59.52
6	2853.84	46.99
5	2887.83	51.08
4	2967.82	50.23
3	3072.71	62.13
2	3097.88	65.71
1	3435.43	63.45

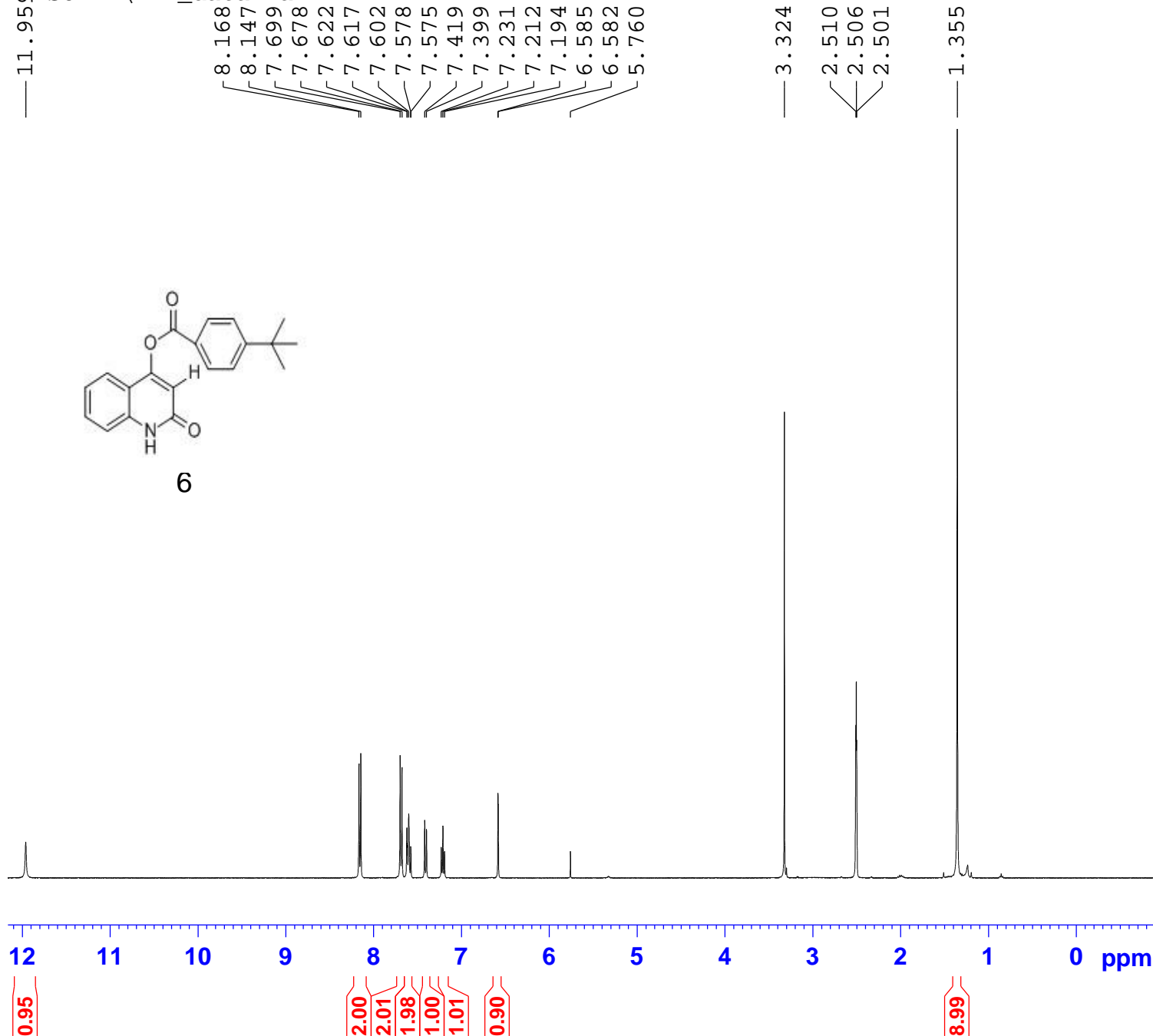
S20120919-017

20120919

PROTON NMR DMSO D:\nmr_data ham



6



Current Data Parameters
NAME SYPN-09
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters
Date_ 20120919
Time 11.14
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 203
DW 60.800 usec
DE 6.50 usec
TE 298.0 K
D1 1.00000000 sec

==== CHANNEL f1 =====
NUC1 1H
P1 14.50 usec
PLW1 12.85299969 W
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 65536
SF 400.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

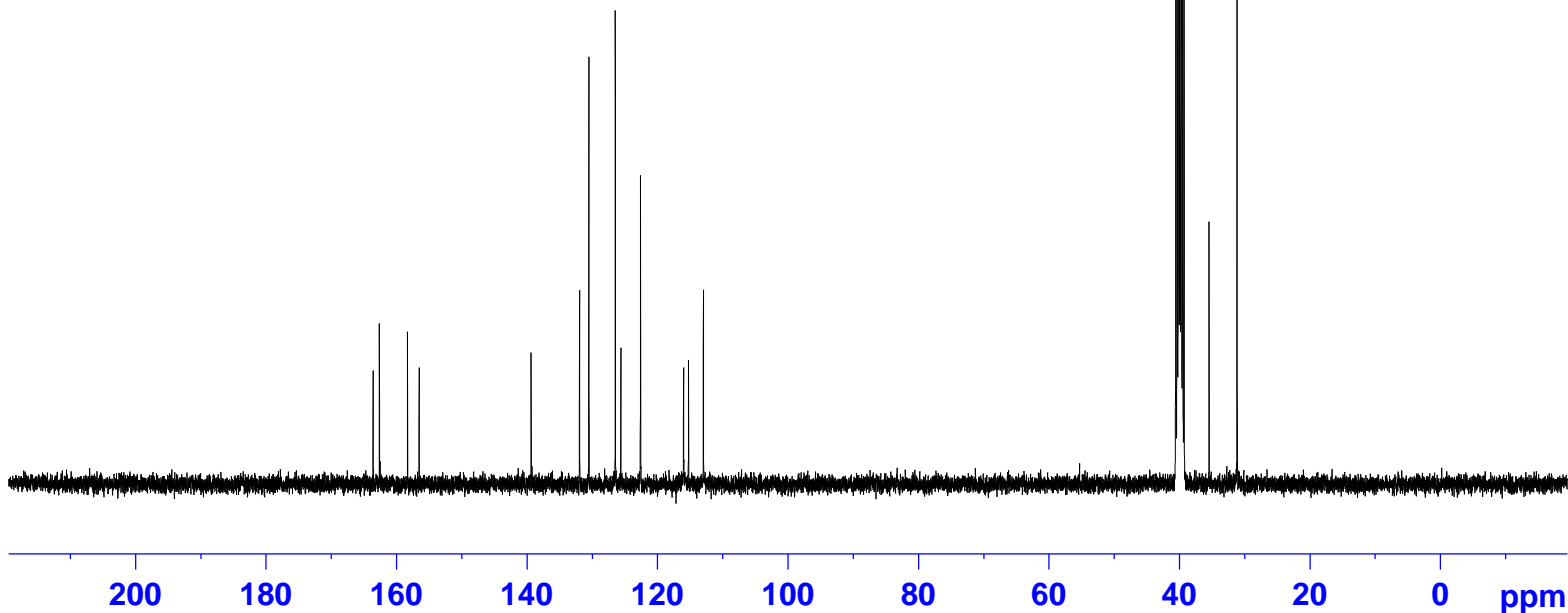
S20121106-070

20121107

C13CPD DMSO D:\nmr_data ham

163.64
162.69
162.58
158.38
156.60
139.44
132.01
130.58
126.53
125.68
122.67
116.07
115.33
113.03

55.37
40.62
40.41
40.20
39.99
39.78
39.57
39.37
35.53
31.23



Current Data Parameters
NAME S7
EXPNO 10
PROCNO 1

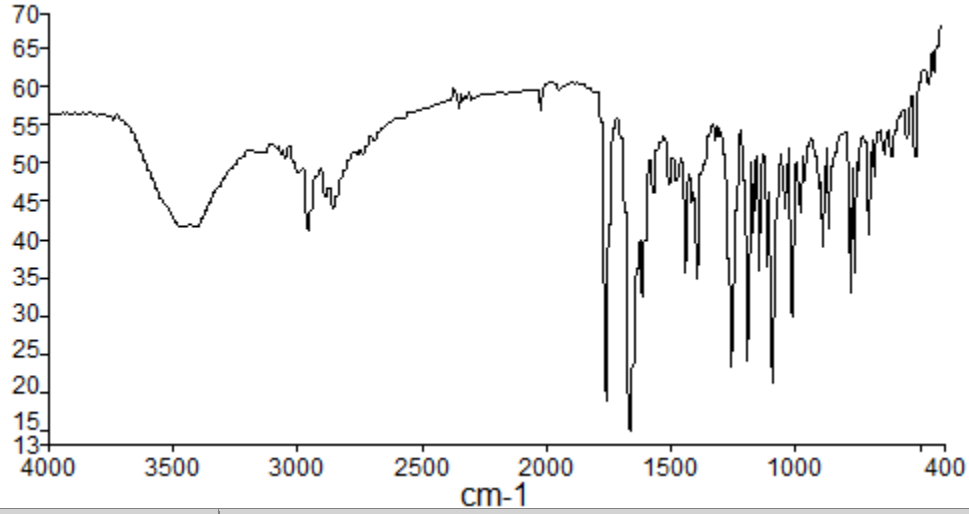
F2 - Acquisition Parameters
Date_ 20121108
Time 0.11
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 1024
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631988 sec
RG 203
DW 20.800 usec
DE 6.50 usec
TE 298.0 K
D1 2.0000000 sec
D11 0.0300000 sec

==== CHANNEL f1 =====
NUC1 13C
P1 9.65 usec
PLW1 49.65900040 W
SFO1 100.6228293 MHz

==== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 12.85299969 W
PLW12 0.34196001 W
PLW13 0.27699000 W
SFO2 400.1316005 MHz

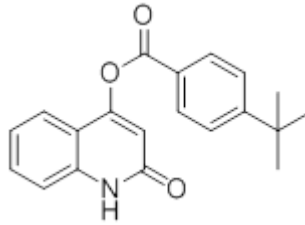
F2 - Processing parameters
SI 32768
SF 100.6127690 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

Spectrum Graph



名称	说明
S20121127-058-S7	

Search Result
Peak Table Results



6

频谱名
S20121127-020-S7

峰值名	X	Y
43	428.47	62.1
42	460.99	60.55
41	508	50.87
40	528.44	55.39
39	542.32	53.23
38	602.78	50.81
37	633.91	51.51
36	675.7	48.23
35	696.91	40.65

34	738.23	49.21
33	751.39	35.71
32	766.46	33.09
31	834.03	49.92
30	852.75	41.57
29	884.45	39.15
28	948.71	48.11
27	971.53	43.77
26	1005.91	29.88
25	1024.54	45.83
24	1035.8	44.46
23	1084.24	21.39
22	1110.11	36.53
21	1141.74	36.05
20	1156.5	40.93
19	1187.07	24.17
18	1254.43	23.49
17	1315.64	53.25
16	1388.53	34.86
15	1408.48	44.9
14	1434.67	35.68
13	1475.9	47.66
12	1499.88	47.33
11	1566.26	46.19
10	1607.69	32.69
9	1661.39	14.76
8	1757.67	18.78
7	2025.41	57.07
6	2351.95	57.43
5	2860.25	44.23
4	2890.97	45.7
3	2962	41.33
2	3060.9	50.98
1	3466.88	41.54

S20120919-010

20120919

PROTON DMSO D:\nmr_data ham



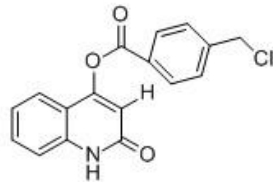
Current Data Parameters
NAME SYPN-02
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters
Date_ 20120919
Time 10.47
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 203
DW 60.800 usec
DE 6.50 usec
TE 298.0 K
D1 1.0000000 sec

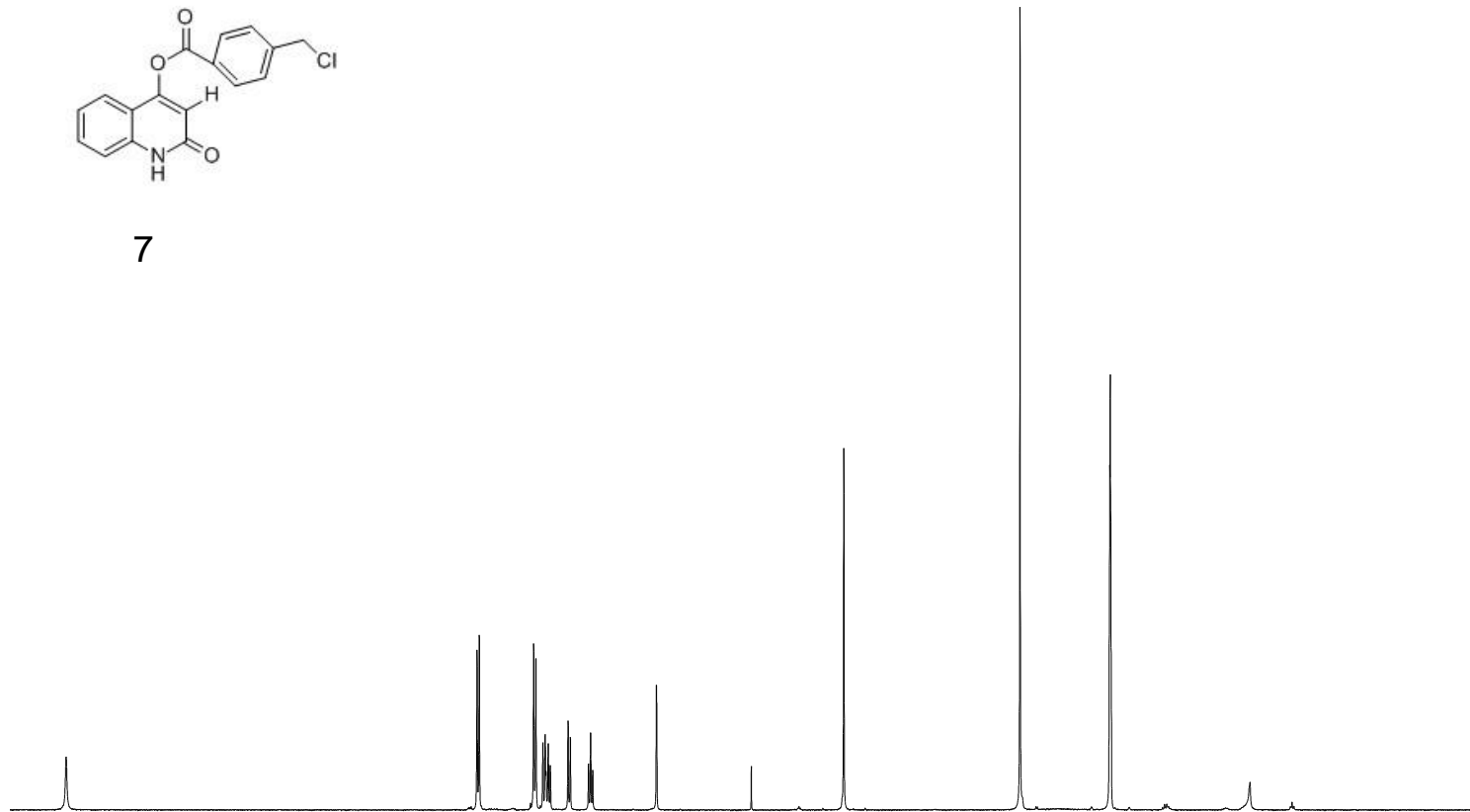
==== CHANNEL f1 =====
NUC1 1H
P1 14.50 usec
PLW1 12.85299969 W
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 65536
SF 400.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

11.975
8.247
8.227
7.734
7.713
7.649
7.629
7.622
7.601
7.583
7.422
7.401
7.236
7.217
7.199
6.621
5.760
4.921
3.324
2.509
2.505
2.501



7



12 11 10 9 8 7 6 5 4 3 2 1 0 ppm

0.93

1.97

1.99

1.98

1.00

1.02

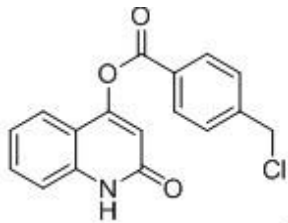
0.91

2.01

S20121106-078

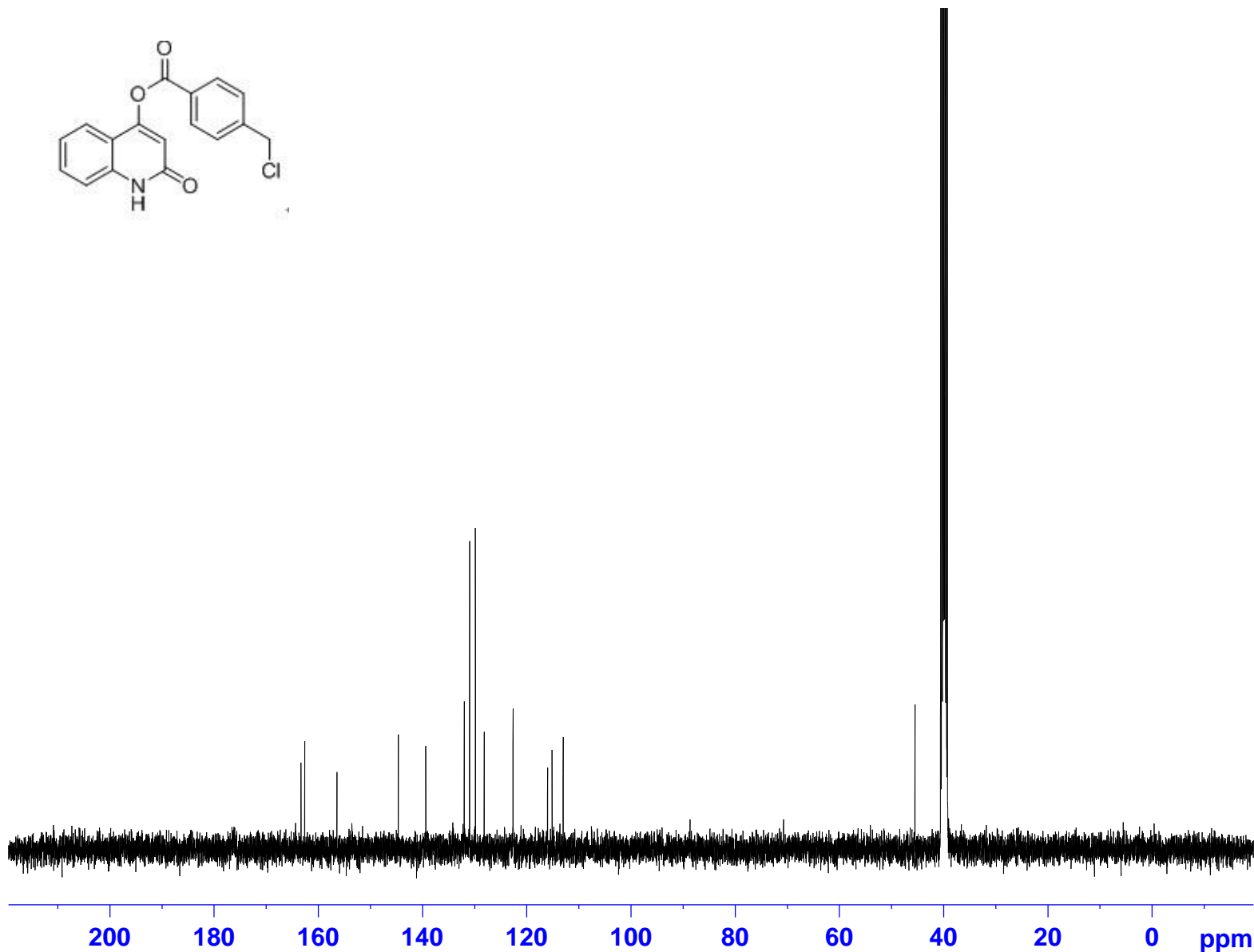
20121108

C13CPD DMSO D:\nmr_data ham



163.39
162.67
156.48
144.71
139.44
132.05
131.03
129.92
128.22
122.69
116.07
115.22
113.08

45.57
40.62
40.41
40.20
39.99
39.78
39.57
39.36



Current Data Parameters
NAME S-14
EXPNO 10
PROCNO 1

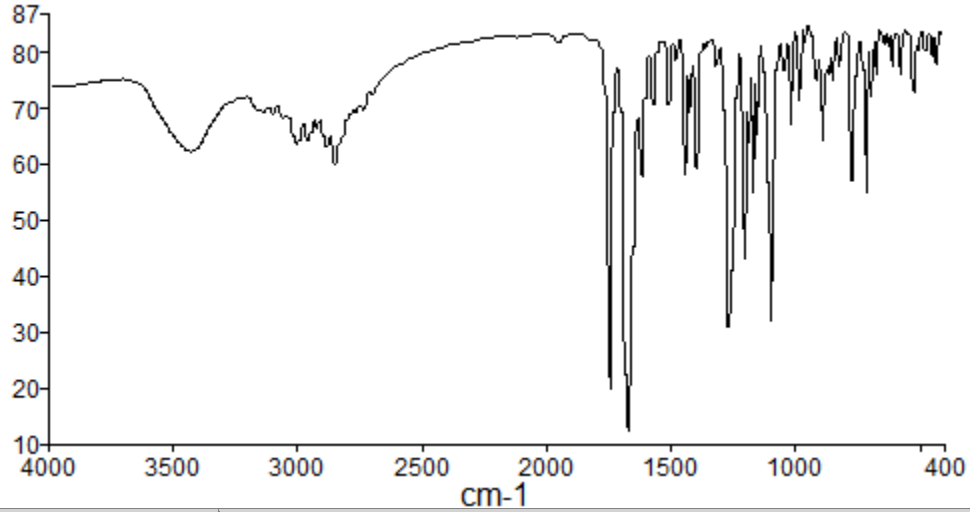
F2 - Acquisition Parameters
Date_ 20121108
Time 22.02
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 1024
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631988 sec
RG 203
DW 20.800 usec
DE 6.50 usec
TE 298.0 K
D1 2.0000000 sec
D11 0.0300000 sec

==== CHANNEL f1 =====
NUC1 13C
P1 9.65 usec
PLW1 49.65900040 W
SFO1 100.6228293 MHz

==== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 12.85299969 W
PLW12 0.34196001 W
PLW13 0.27699000 W
SFO2 400.1316005 MHz

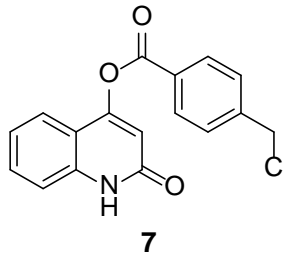
F2 - Processing parameters
SI 32768
SF 100.6127690 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

Spectrum Graph



名称	说明
S20121127-064-S14	

Search Result Peak Table Results



频谱名
S20121127-064-S14

峰值名	X	Y
39	429.99	78.09
38	444.92	79.79
37	468.77	80.63
36	514.98	73.25
35	570.2	76.48
34	599.29	77.84
33	669.16	76.31
32	688.12	72.37
31	710.73	54.84
30	756.04	60.18

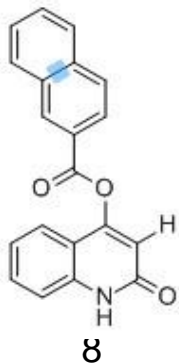
29	761.96	57.11
28	816.76	77.98
27	834.02	75.43
26	884.87	64.57
25	906.43	75.32
24	978.28	71.89
23	1014.65	67.51
22	1039.22	77.32
21	1096.76	32.05
20	1144.09	65.74
19	1161.56	54.99
18	1178.33	64.17
17	1196.9	43.28
16	1263.82	31.15
15	1317.01	77.87
14	1392.62	59.71
13	1415.86	69.54
12	1438.02	58.13
11	1478.15	78.81
10	1504.63	71.07
9	1567.25	71
8	1611.52	57.97
7	1674.74	11.89
6	1740.67	19.58
5	2858.02	60.24
4	2892.13	63.18
3	2965.19	64.37
2	3014.39	63.86
1	3435.97	62.58

S20120919-018

20120919

PROTON NMR DMSO D:\nmr_data ham

11.999
8.979
8.283
8.263
8.186
8.182
8.178
8.114
8.094
7.763
7.746
7.714
7.694
7.612
7.440
7.420
7.231
6.666
3.327
2.510
2.505
2.501

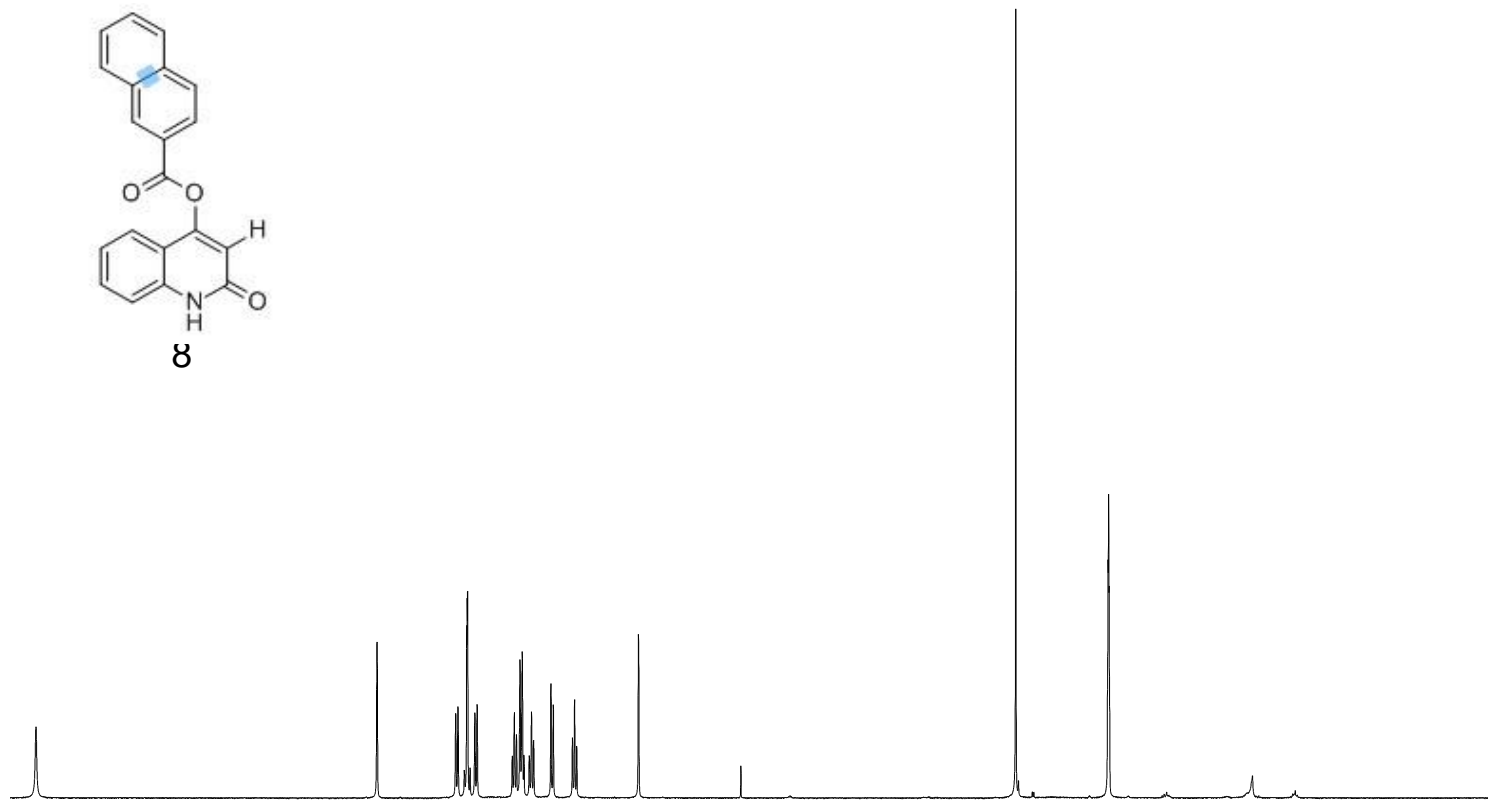


Current Data Parameters
NAME SYPN-10
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters
Date_ 20120919
Time 11.18
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 203
DW 60.800 usec
DE 6.50 usec
TE 298.0 K
D1 1.0000000 sec

==== CHANNEL f1 =====
NUC1 1H
P1 14.50 usec
PLW1 12.85299969 W
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 65536
SF 400.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



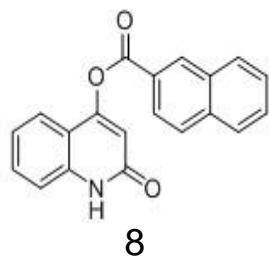
12 11 10 9 8 7 6 5 4 3 2 1 0 ppm

0.91
0.94
0.97
1.92
0.99
1.00
1.94
0.99
0.96
0.99

S20121106-064

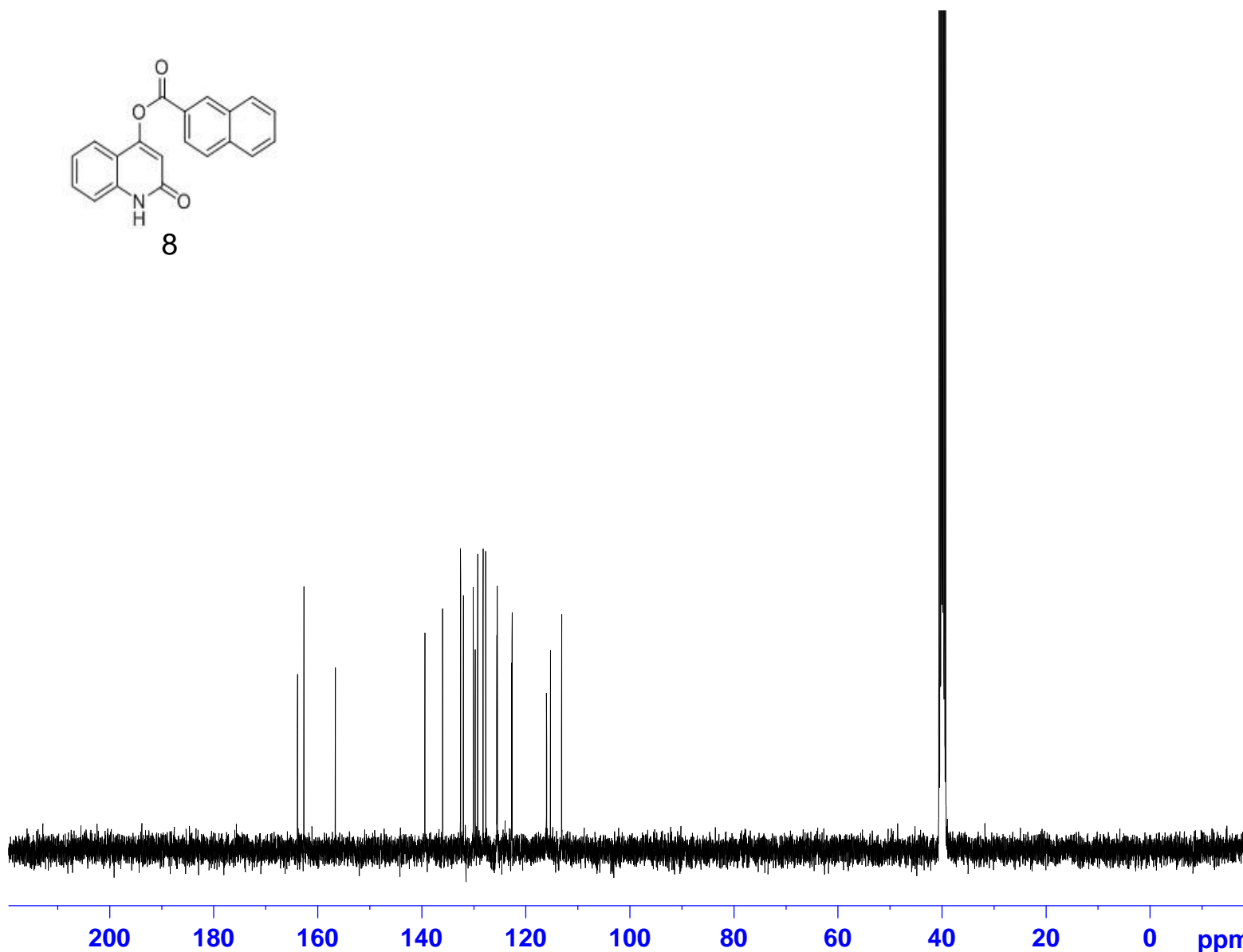
20121107

C13CPD DMSO D:\nmr_data ham



163.96
162.72
156.68
139.48
136.07
132.63
132.60
132.06
130.17
129.81
129.32
128.29
127.77
125.65
125.55
122.80
122.70
116.09
115.32
113.18

40.62
40.41
40.20
39.99
39.78
39.58
39.37



Current Data Parameters
NAME S1
EXPNO 10
PROCNO 1

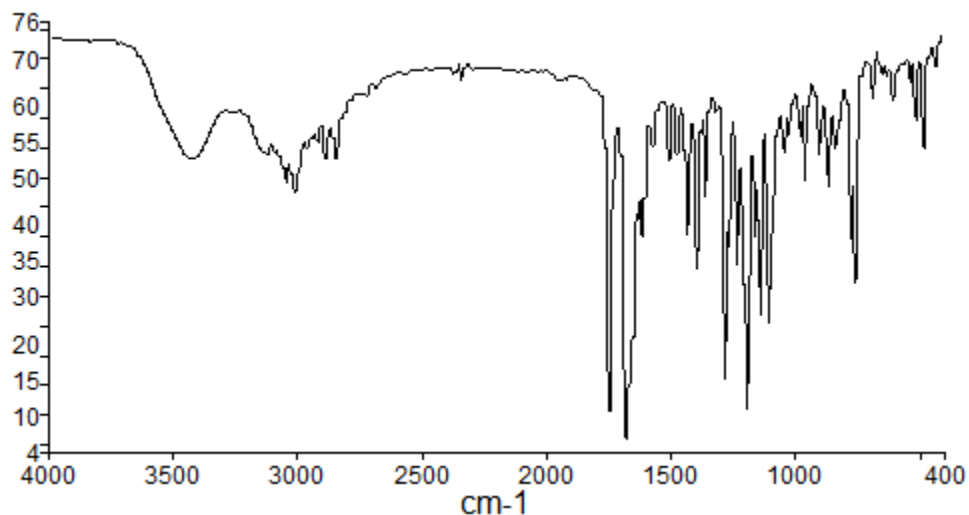
F2 - Acquisition Parameters
Date_ 20121107
Time 18.04
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 1024
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631988 sec
RG 203
DW 20.800 usec
DE 6.50 usec
TE 298.0 K
D1 2.0000000 sec
D11 0.0300000 sec

==== CHANNEL f1 =====
NUC1 13C
P1 9.65 usec
PLW1 49.65900040 W
SFO1 100.6228293 MHz

==== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 12.85299969 W
PLW12 0.34196001 W
PLW13 0.27699000 W
SFO2 400.1316005 MHz

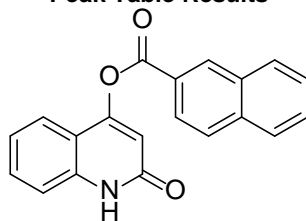
F2 - Processing parameters
SI 32768
SF 100.6127690 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

Spectrum Graph



名称	说明
S20121127-052-S1	

**Search Result
Peak Table Results**



8

频谱名
S20121127-014-S1

峰值名	X	Y
48	420.8	69.06
47	473.76	54.92
46	505.93	60.02
45	529.66	66.5
44	594.36	64.18
43	605.64	63.36
42	625.14	67.27
41	644.49	67.7
40	680.72	63.74
39	750.08	32.44
38	757.91	42.24
37	769.85	39.66
36	818.62	56.11
35	831.97	55.24

34	858.85	48.88
33	889.97	57.26
32	902.02	54.24
31	949.81	50.01
30	969.18	57.38
29	1013.87	57.67
28	1029.78	54.55
27	1037.92	55.08
26	1097.08	25.68
25	1131.1	26.91
24	1141.35	34.51
23	1158.88	40.07
酯C-O伸缩22	1190.89	10.75
21	1225.86	35.49
20	1259.85	38.3
19	1276.09	16.25
18	1354.89	46.96
17	1389.15	34.69
16	1432.56	40.58
15	1471.12	53.94
14	1500.83	53.08
13	1568.18	55.55
12	1611.38	40.04
11	1629.8	43.03
酰胺羰基10	1675.27	5.6
酯羰基9	1743.85	10.31
8	2345.94	66.82
7	2854.86	53.2
6	2891.93	53.41
5	2925.23	56.32
4	3017.53	47.78
3	3054.1	49.22
2	3133.23	54.14
NH 1	3435.68	53.38

S20121106-061

20121106

PROTON DMSO D:\nmr_data ham

11.999
9.187
9.181
8.592
8.586
8.571
8.565
7.836
7.815
7.750
7.730
7.628
7.607
7.589
7.420
7.399
7.238
7.218
7.200
6.655

3.332
2.510
2.506
2.501
1.235
0.002

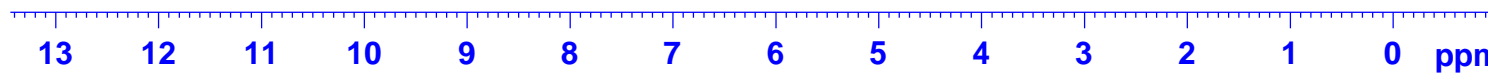
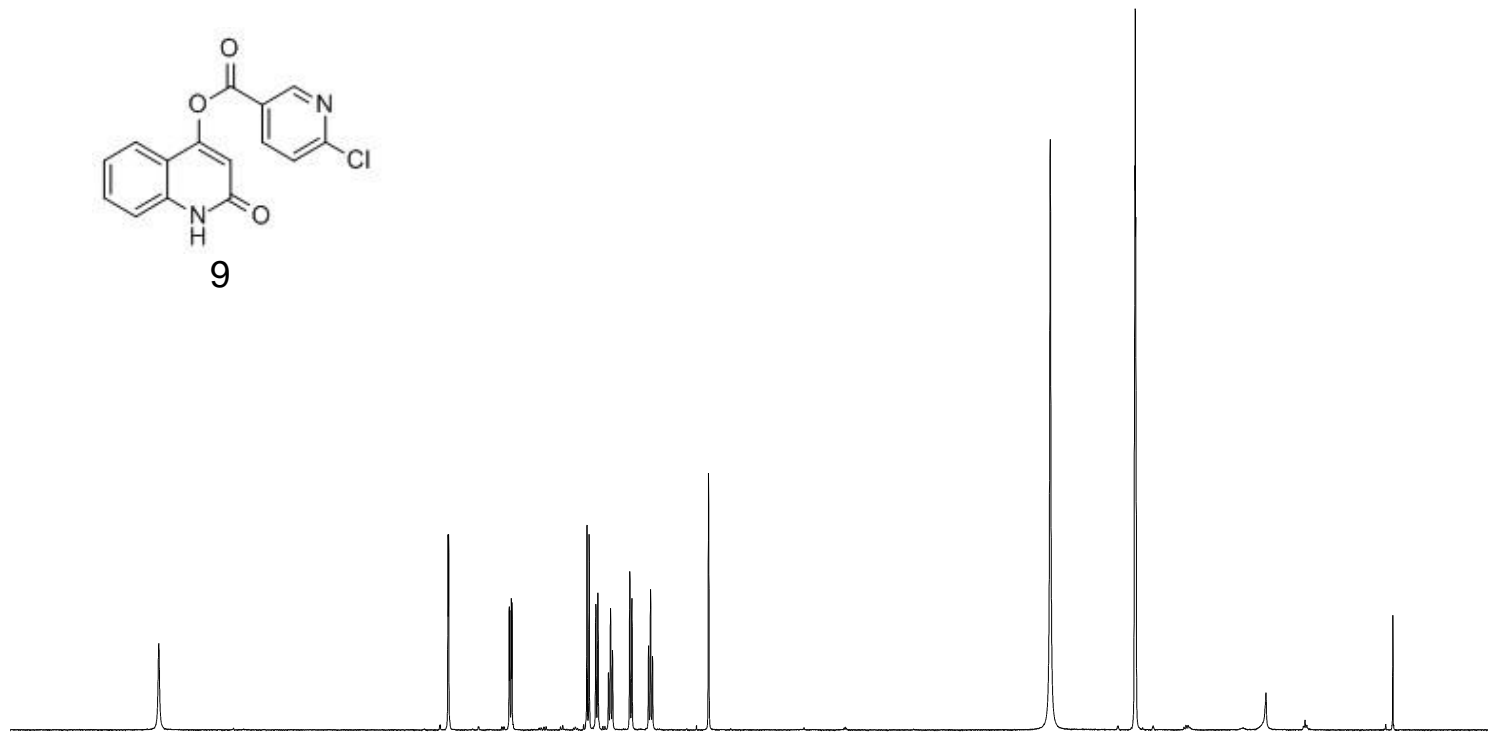
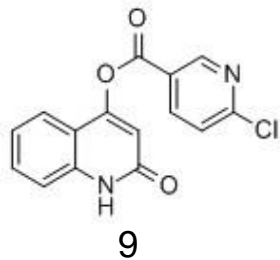


Current Data Parameters
NAME S23
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters
Date_ 20121107
Time 5.35
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 203
DW 60.800 usec
DE 6.50 usec
TE 298.0 K
D1 1.00000000 sec

==== CHANNEL f1 =====
NUC1 1H
P1 14.50 usec
PLW1 12.85299969 W
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 65536
SF 400.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



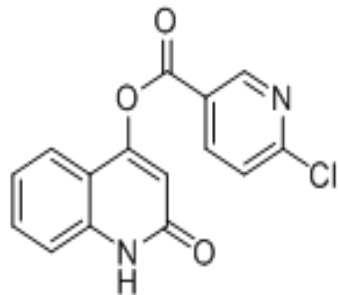
0.81
0.90
0.96
1.00
0.99
0.95
0.93
0.96
0.87

S20121106-061

20121106

C13CPD DMSO D:\nmr_data ham

162.58
162.11
156.16
155.82
152.03
141.62
139.43
132.14
125.34
124.58
123.01
122.65
116.01
115.01
113.11



9

40.62
40.41
40.20
39.99
39.78
39.57
39.37



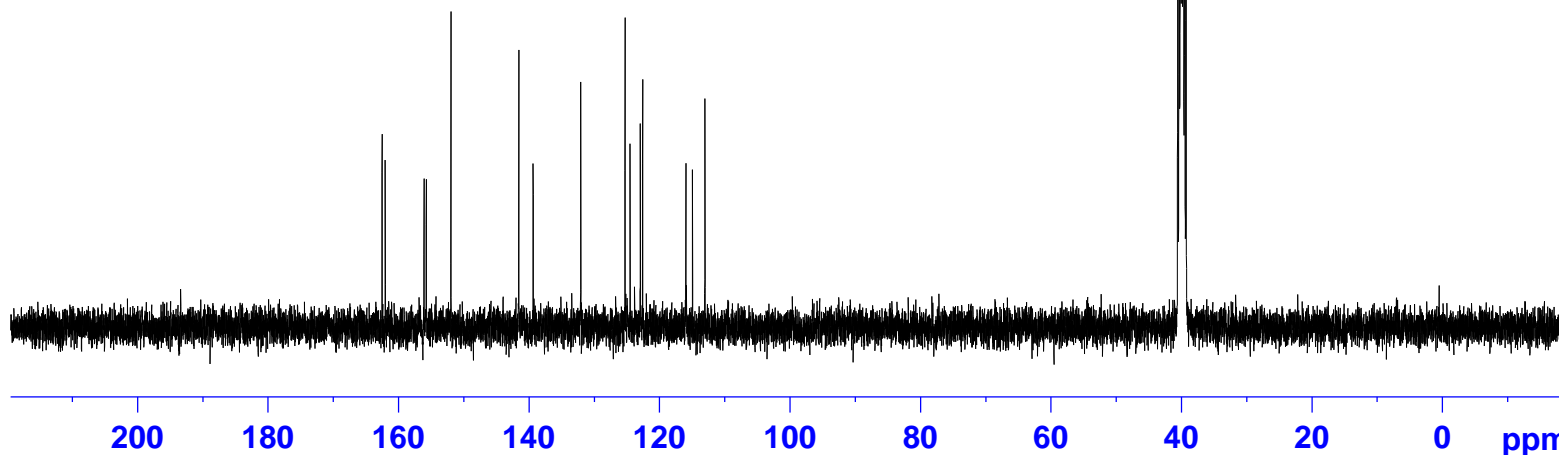
Current Data Parameters
NAME S23
EXPNO 11
PROCNO 1

F2 - Acquisition Parameters
Date_ 20121107
Time 6.35
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 1024
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631988 sec
RG 203
DW 20.800 usec
DE 6.50 usec
TE 298.7 K
D1 2.0000000 sec
D11 0.0300000 sec

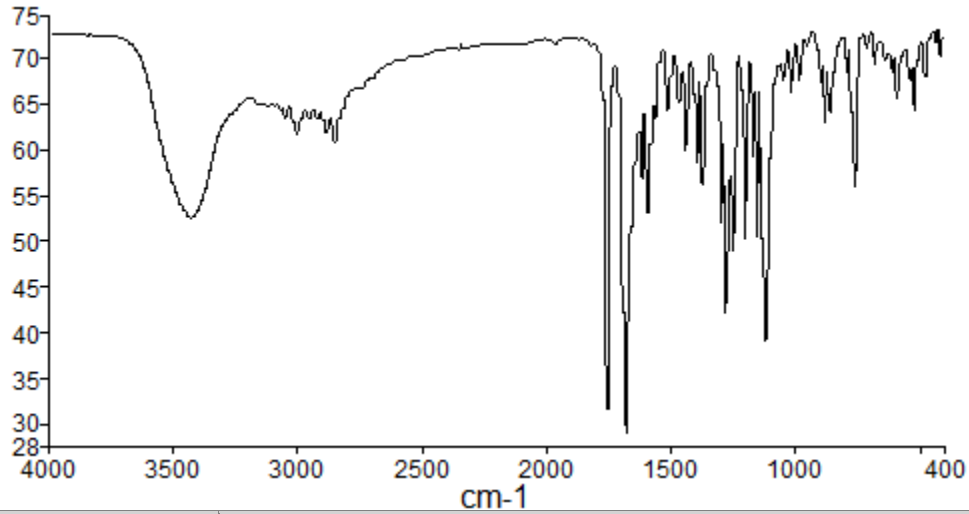
==== CHANNEL f1 =====
NUC1 13C
P1 9.65 usec
PLW1 49.65900040 W
SFO1 100.6228293 MHz

==== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 12.85299969 W
PLW12 0.34196001 W
PLW13 0.27699000 W
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127690 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

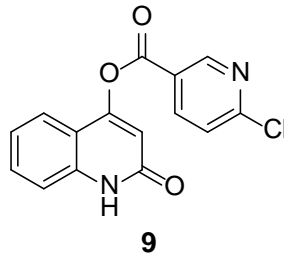


Spectrum Graph



名称	说明
S20121127-073-S23	

Search Result
Peak Table Results



频谱名
S20121127-073-S23

峰值名	X	Y
38	408.56	70.46
37	468.14	68.17
36	511.67	64.41
35	522.29	67.81
34	582.78	65.77
33	601.64	68.56
32	676.13	69.55
31	710.98	71.16
30	751.97	56.1
29	781.35	68.53

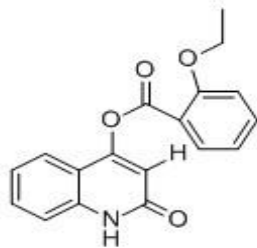
28	851.59	64.27
27	873.72	63.2
26	896.3	67.63
25	979.93	67.72
24	1013.36	66.52
23	1042.83	67.72
22	1112.47	39.12
21	1146.96	50.57
20	1163.78	59.52
19	1199.34	50.23
18	1245.26	49.07
17	1275.62	42.34
16	1294.55	51.97
15	1367.75	56.25
14	1393.93	58.59
13	1440.12	60.1
12	1460.65	65.31
11	1502.33	64.55
10	1563.72	63.19
9	1588.83	53.1
8	1613.44	56.9
7	1682.92	28.87
6	1753.3	31.68
5	2856.54	60.99
4	2893	61.95
3	3012.43	61.98
2	3058.01	63.64
1	3435.56	52.71

S20120919-013

20120919

PROTON DMSO d₆: \nmr_data ham

11.948
7.961
7.957
7.942
7.938
7.759
7.739
7.692
7.688
7.670
7.652
7.648
7.620
7.600
7.582
7.579
7.419
7.399
7.284
7.261
7.240
7.222
7.152
7.133
7.114
6.538
5.758
4.238
4.220
4.203
4.186
3.333
2.510
2.505
2.501
1.393
1.376
1.359



10

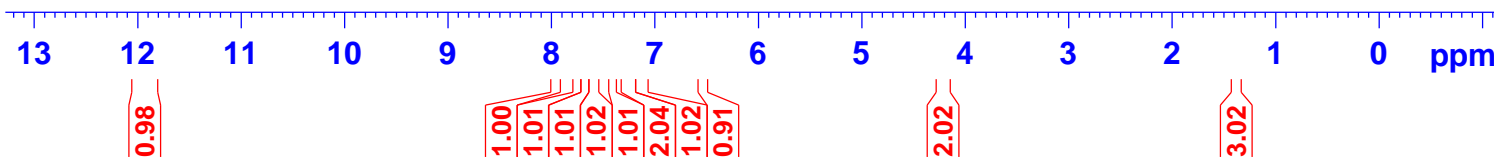
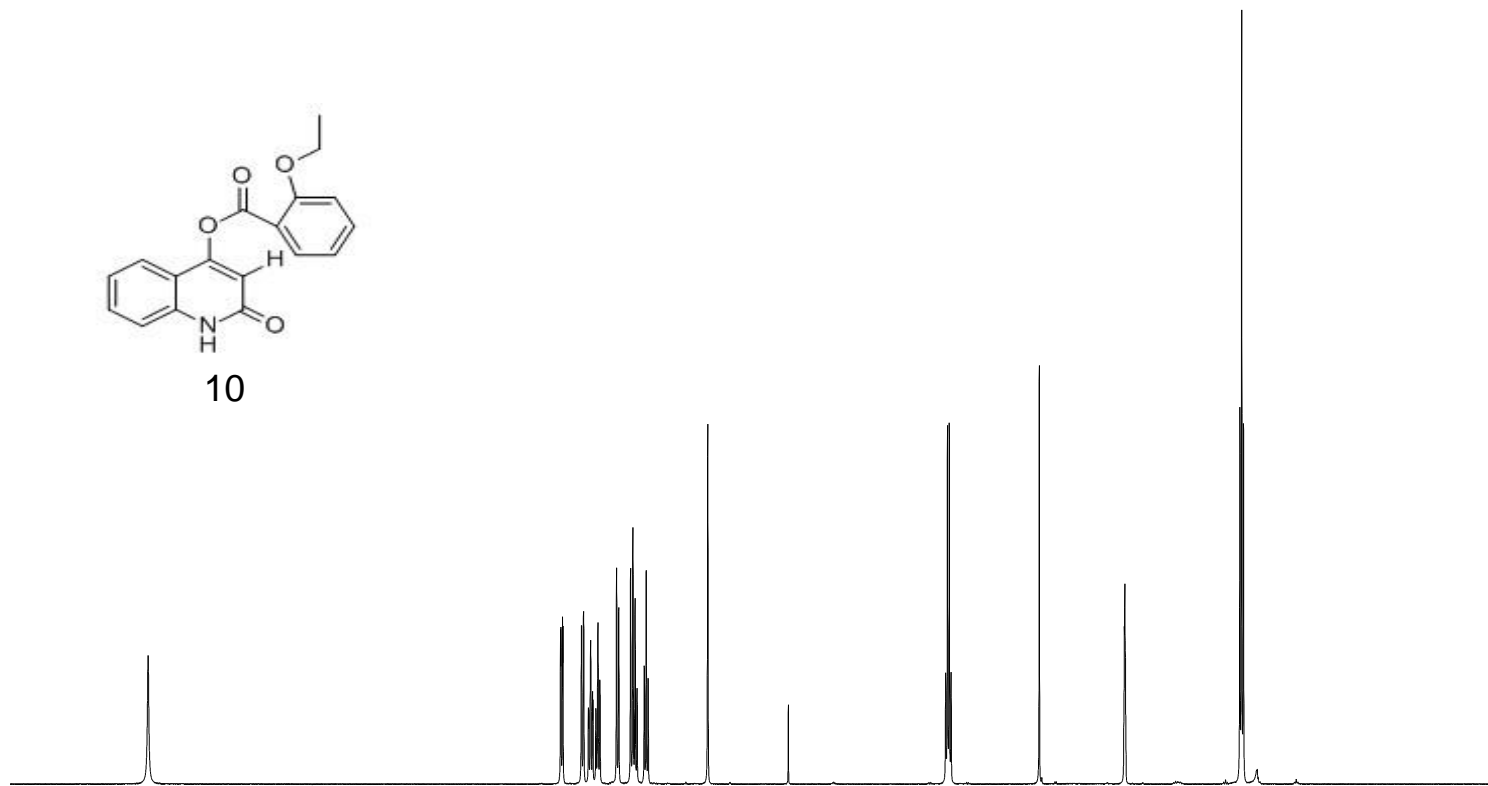


Current Data Parameters
NAME SYPN-05
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters
Date_ 20120919
Time 10.59
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 203
DW 60.800 usec
DE 6.50 usec
TE 298.0 K
D1 1.00000000 sec

==== CHANNEL f1 =====
NUC1 1H
P1 14.50 usec
PLW1 12.85299969 W
SFO1 400.1324710 MHz

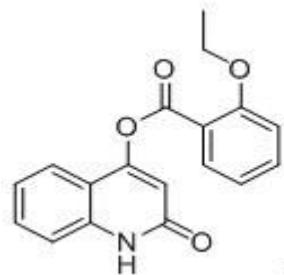
F2 - Processing parameters
SI 65536
SF 400.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



S20121106-072

20121107

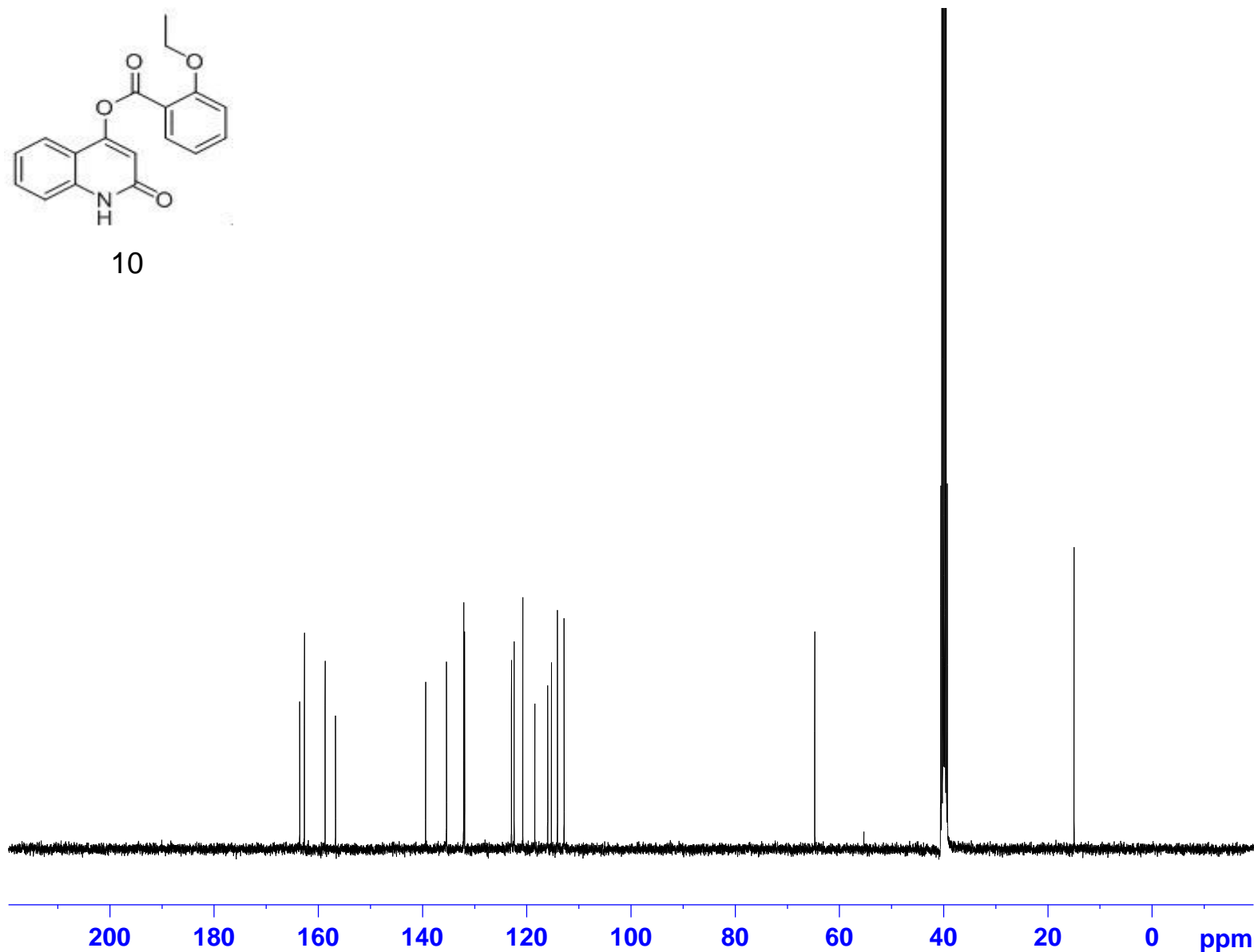
C13CPD DMSO D:\nmr_data ham



10

163.63
162.74
158.76
156.76
139.46
135.47
132.16
131.99
122.99
122.48
120.82
118.51
116.05
115.34
114.18
112.91

64.80
55.37
40.62
40.41
40.20
39.99
39.78
39.57
39.36
15.04



Current Data Parameters
NAME S9
EXPNO 10
PROCNO 1

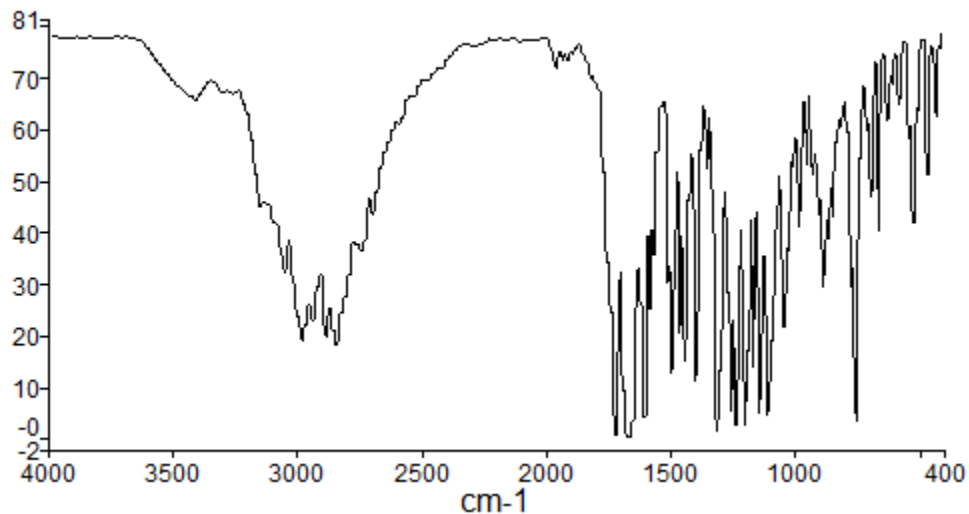
F2 - Acquisition Parameters
Date_ 20121108
Time 2.13
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 1024
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631988 sec
RG 203
DW 20.800 usec
DE 6.50 usec
TE 298.1 K
D1 2.0000000 sec
D11 0.0300000 sec

==== CHANNEL f1 =====
NUC1 13C
P1 9.65 usec
PLW1 49.65900040 W
SFO1 100.6228293 MHz

==== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 12.85299969 W
PLW12 0.34196001 W
PLW13 0.27699000 W
SFO2 400.1316005 MHz

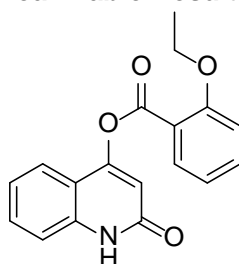
F2 - Processing parameters
SI 32768
SF 100.6127690 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

Spectrum Graph



名称	说明
S20121127-060-S9	

Search Result
Peak Table Results



10

频谱名
S20121127-060-S9

峰值名	X	Y
57	421.6	62.95
56	458.91	51.49
55	516.63	42.25
54	530.14	54.34
53	574.78	65.26
52	601.84	69.4
51	615.25	62.78
50	625.78	62.36

49	660.99	40.53
48	687.17	47.11
47	707.39	60.25
46	744.47	3.32
45	762.41	31.77
44	769.49	29.87
43	804.75	61.01
42	841.21	43.37
41	864.44	37.67
40	881.48	29.74
39	901.02	43.73
38	922.42	51.75
37	945.81	53.87
36	978.42	41.48
35	1026.58	31.78
34	1039.4	22.01
33	1095.77	5.84
32	1108.81	4.97
31	1130.12	15.31
30	1138.33	5.42
29	1157.41	14.06
28	1194.48	2.65
27	1232.93	2.54
26	1255.16	5.35
25	1267.79	28.52
24	1307.63	1.22
23	1352.04	52.99
22	1398.78	10.89
21	1436.6	15.36
20	1457.72	20.91
19	1475.12	36.23
18	1494.48	12.64
17	1506.91	30.31
16	1568.47	35.79
15	1580.86	25.35
14	1602.6	4.02
13	1671.5	0.08
12	1716.87	0.47
11	1912.76	73.86
10	1959.52	72.24
9	2702	43.87
8	2742.47	36.54
7	2854.25	18.09
6	2890.73	20.05
5	2946.86	22.96
4	2984.73	19.07

3	3060.07	32.21
2	3154.18	45.32
1	3422.25	66.13

S20120919-014

20120919

PROTON DMSO D:\nmr_data ham

11.974

7.836
7.816
7.681
7.676
7.672
7.621
7.606
7.602
7.587
7.567
7.422
7.403
7.399
7.384
7.378
7.241
7.223
7.204
6.605

3.881

3.328

2.510

2.506

2.501

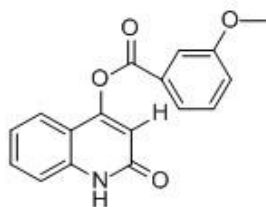


Current Data Parameters
NAME SYPN-06
EXPNO 10
PROCNO 1

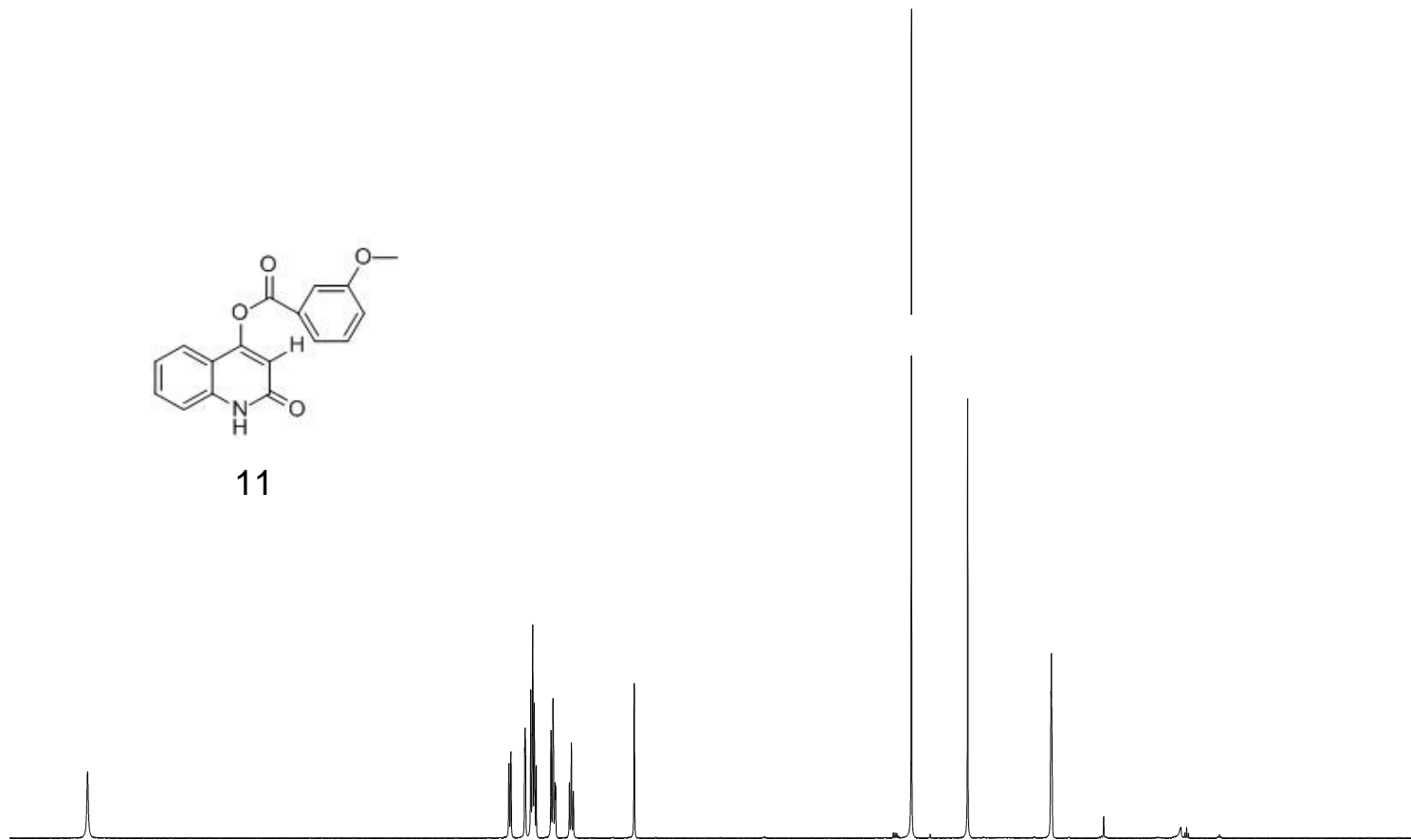
F2 - Acquisition Parameters
Date_ 20120919
Time 11.03
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 203
DW 60.800 usec
DE 6.50 usec
TE 298.0 K
D1 1.00000000 sec

==== CHANNEL f1 =====
NUC1 1H
P1 14.50 usec
PLW1 12.85299969 W
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 65536
SF 400.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



11



0.95

1.00
1.00
2.99
1.98
1.01
0.90

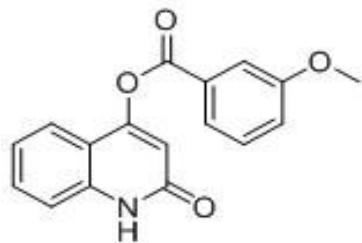
2.99

12 11 10 9 8 7 6 5 4 3 2 1 0 ppm

S20121106-069

20121107

C13CPD DMSO D:\nmr_data ham



11

163.61
162.67
160.02
156.53
139.44
132.05
130.88
129.71
122.88
122.70
122.67
121.24
116.08
115.22
115.04
113.10

56.01
40.62
40.41
40.20
39.99
39.78
39.57
39.36

— 0.56



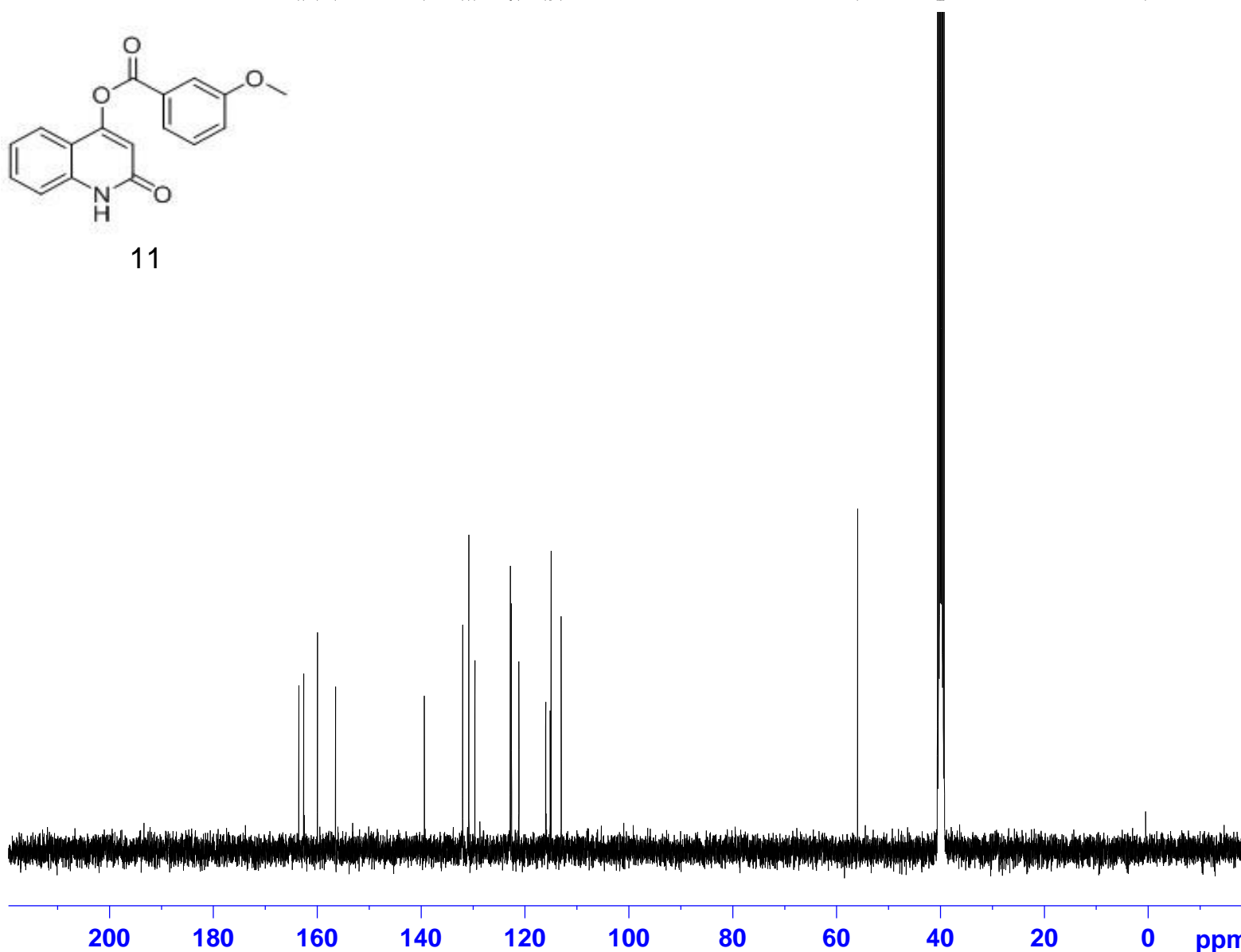
Current Data Parameters
NAME S6
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters
Date_ 20121107
Time 23.10
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 1024
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631988 sec
RG 203
DW 20.800 usec
DE 6.50 usec
TE 298.1 K
D1 2.0000000 sec
D11 0.0300000 sec

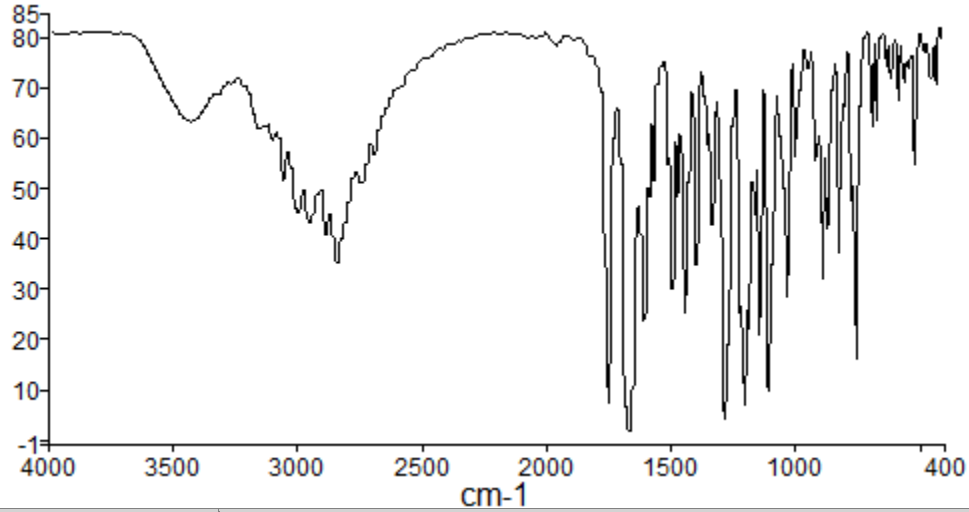
==== CHANNEL f1 =====
NUC1 13C
P1 9.65 usec
PLW1 49.65900040 W
SFO1 100.6228293 MHz

==== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 12.85299969 W
PLW12 0.34196001 W
PLW13 0.27699000 W
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127690 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

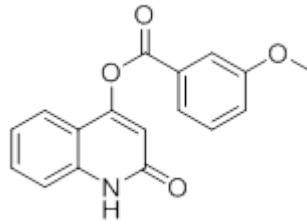


Spectrum Graph



名称	说明
S20121127-056-S5	

Search Result
Peak Table Results



11

频谱名
S20121127-018-S5

峰值名	X	Y
55	423.8	71.02
54	444.47	72.53
53	454.07	72.08
52	473.03	77.42
51	512.35	54.9
50	529.67	74.35
49	553.73	71.52
48	577.18	67.99
47	608.28	72.47

46	630.77	74.73
45	661.06	63.85
44	678.15	62.83
43	689.82	72.92
42	742.16	16.13
41	765.41	47.57
40	800.65	63.82
39	820.58	37.35
38	863.23	42.16
37	883.86	32.07
36	912.21	56.14
35	943.2	74.26
34	982.55	63.03
33	993.33	56.64
32	1026.72	29.72
31	1033.25	28.49
30	1047.42	55.93
芳基醚c-o29	1101.5	9.81
28	1138.41	21
27	1154.51	44.72
26	1182.16	21.98
酯c-o25	1196.31	6.81
24	1211.52	15.42
醚C-O23	1276.54	3.82
22	1329.03	42.72
21	1350.76	59.02
20	1392.51	34.74
19	1435.36	25.24
18	1467.84	48.43
17	1489.13	30.12
16	1500.98	53.14
15	1566.77	51.66
14	1585.65	48.55
13	1603.15	23.62
酰胺C=O12	1668.14	1.35
酯C=O11	1752.14	6.87
10	1953.68	78.66
9	2698.95	56.72
8	2755.02	51.24
7	2843.24	35.18
6	2887.56	40.93
5	2950.94	43.36
4	3007.64	45.14
3	3066.32	51.58
2	3105.57	59.8
NH1	3435.38	63.65

S20120925-061

20120925

PROTON DMSO D:\nmr_data ham

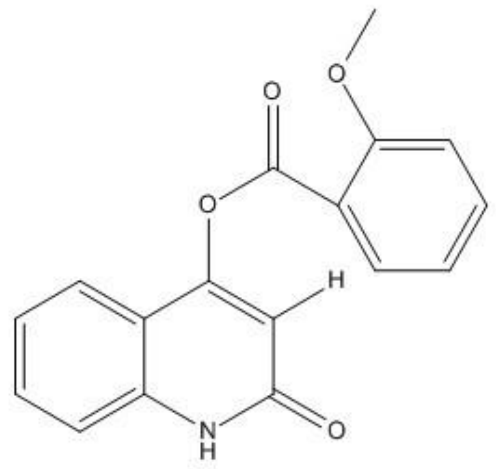
11.933

8.020
8.003
7.713
7.699
7.680
7.601
7.415
7.394
7.313
7.292
7.272
7.253
7.176
7.158
6.549

3.937

3.324

2.506



12

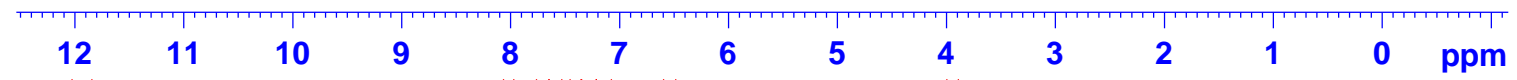
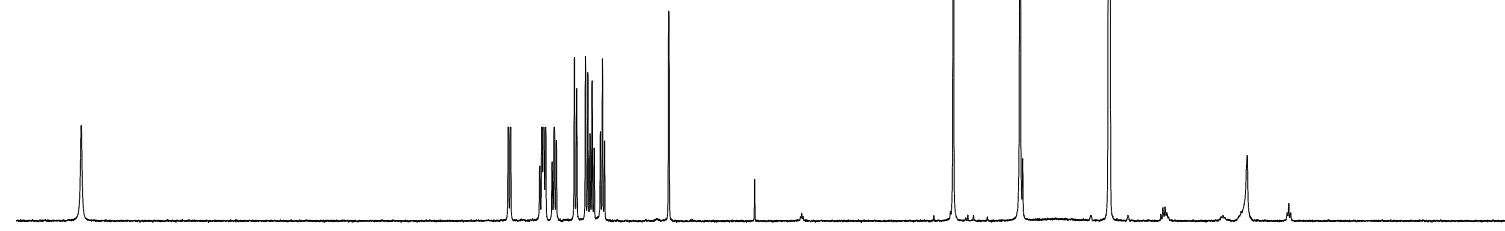


Current Data Parameters
NAME SYP-N-15
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters
Date_ 20120925
Time 17.58
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 203
DW 60.800 usec
DE 6.50 usec
TE 298.0 K
D1 1.0000000 sec

==== CHANNEL f1 =====
NUC1 1H
P1 14.50 usec
PLW1 12.85299969 W
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 65536
SF 400.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



0.96

1.00
2.02
1.04
1.03
2.03
1.07
0.87

3.05

S20121106-071

20121107

C13CPD DMSO D:\nmr_data ham

164.15
162.73
156.66
141.41
139.46
134.09
132.57
131.97
131.77
131.59
127.59
126.94
122.71
122.69
116.08
115.39
113.18

40.62
40.41
40.20
39.99
39.78
39.57
39.37
21.78



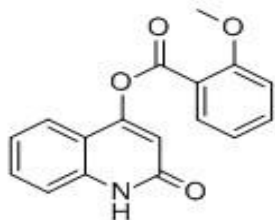
Current Data Parameters
NAME S8
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters
Date_ 20121108
Time 1.12
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 1024
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631988 sec
RG 203
DW 20.800 usec
DE 6.50 usec
TE 298.1 K
D1 2.0000000 sec
D11 0.0300000 sec

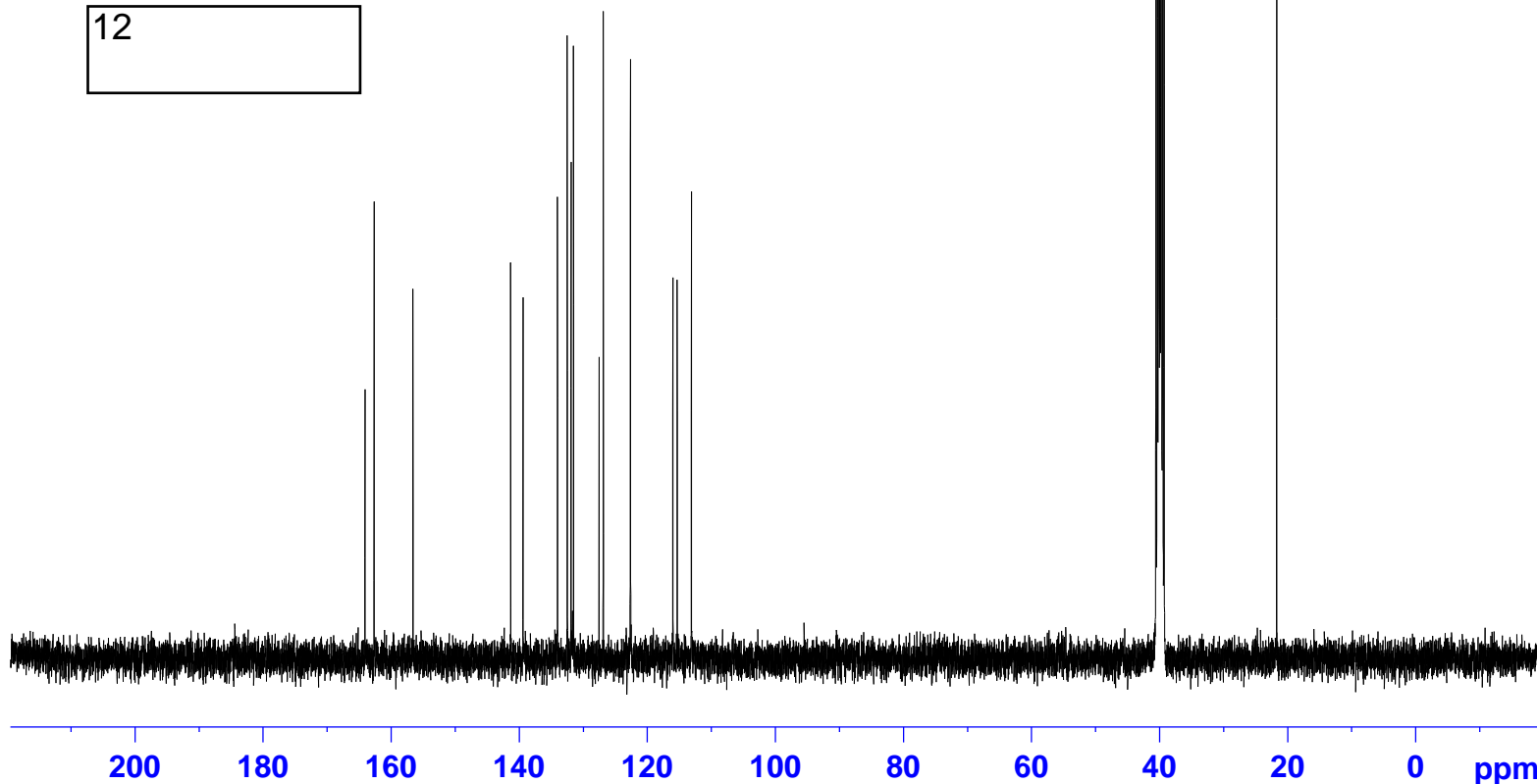
=====
CHANNEL f1
NUC1 13C
P1 9.65 usec
PLW1 49.65900040 W
SFO1 100.6228293 MHz

=====
CHANNEL f2
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 12.85299969 W
PLW12 0.34196001 W
PLW13 0.27699000 W
SFO2 400.1316005 MHz

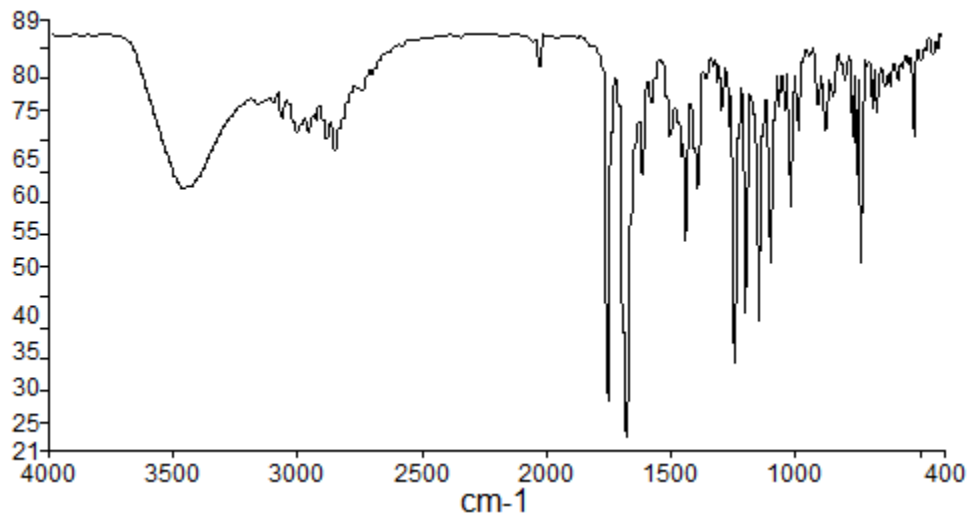
F2 - Processing parameters
SI 32768
SF 100.6127690 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



12

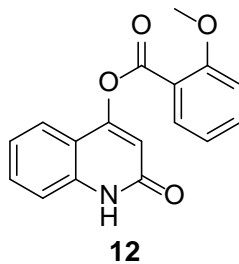


Spectrum Graph



名称	说明
S20121127-059-S8	

Search Result
Peak Table Results



频谱名
S20121127-021-S8

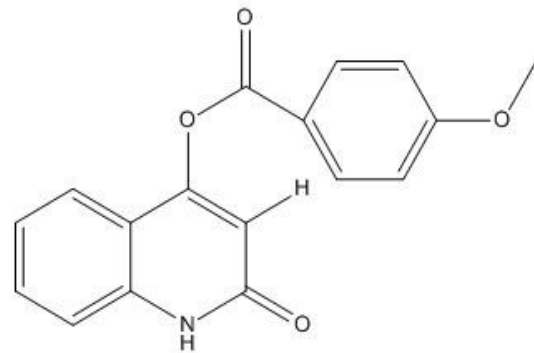
峰值名	X	Y
42	437.34	84.33
41	486.96	83.21
40	512.27	71
39	529.44	81.62
38	577.02	80.14
37	605.73	79.08
36	630.19	79.08
35	664.06	74.9
34	683.84	75.5

33	728.42	50.43
32	745.47	64.95
31	764.93	71
30	793.36	80.12
29	839.78	77.48
28	877.3	72.1
27	902.14	76.26
26	978.95	72.03
25	1010.25	59.89
24	1035.69	75.28
23	1057.6	75.83
22	1091.34	50.64
21	1136.24	41.18
20	1195.29	42.35
19	1236.45	34.53
18	1263.48	72.58
17	1290.21	75.23
16	1307.02	79.85
15	1389.92	62.51
14	1438.51	54.2
13	1458.8	67.68
12	1507.52	70.99
11	1573.36	76.49
10	1613.99	64.63
9	1678.5	22.17
8	1749.51	28.13
7	2027.1	82.31
6	2858.43	68.73
5	2890.06	70.53
4	2966.78	71.74
3	3011.68	71.65
2	3068.8	73.81
1	3468.12	62.62

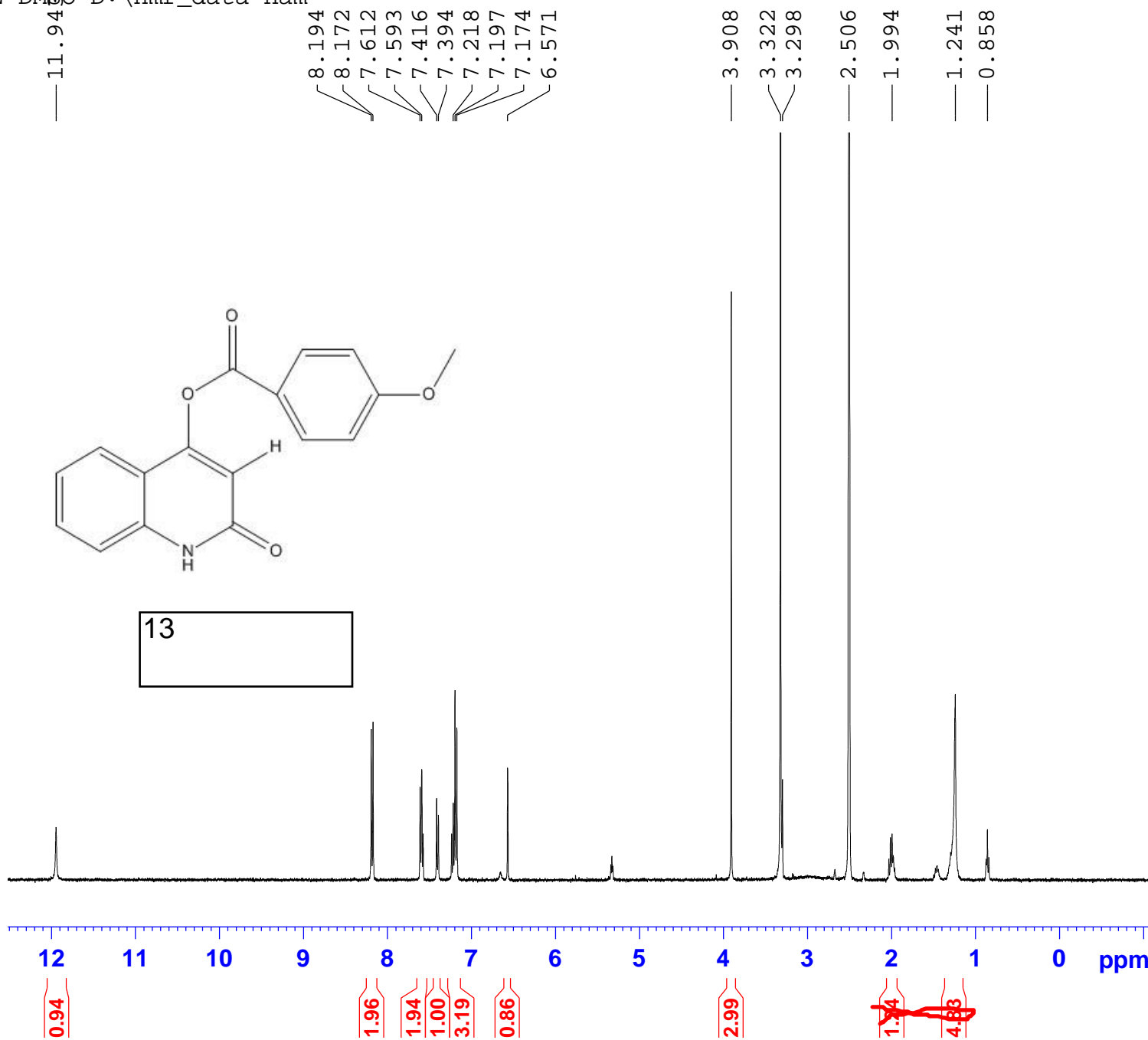
S20120925-060

20120925

PROTON DMSO D:\nmr_data ham



13



Current Data Parameters
NAME SYP-N-14
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters
Date_ 20120925
Time 17.54
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 203
DW 60.800 usec
DE 6.50 usec
TE 298.0 K
D1 1.00000000 sec

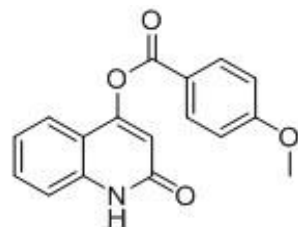
==== CHANNEL f1 =====
NUC1 1H
P1 14.50 usec
PLW1 12.85299969 W
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 65536
SF 400.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

S20121106-077

20121108

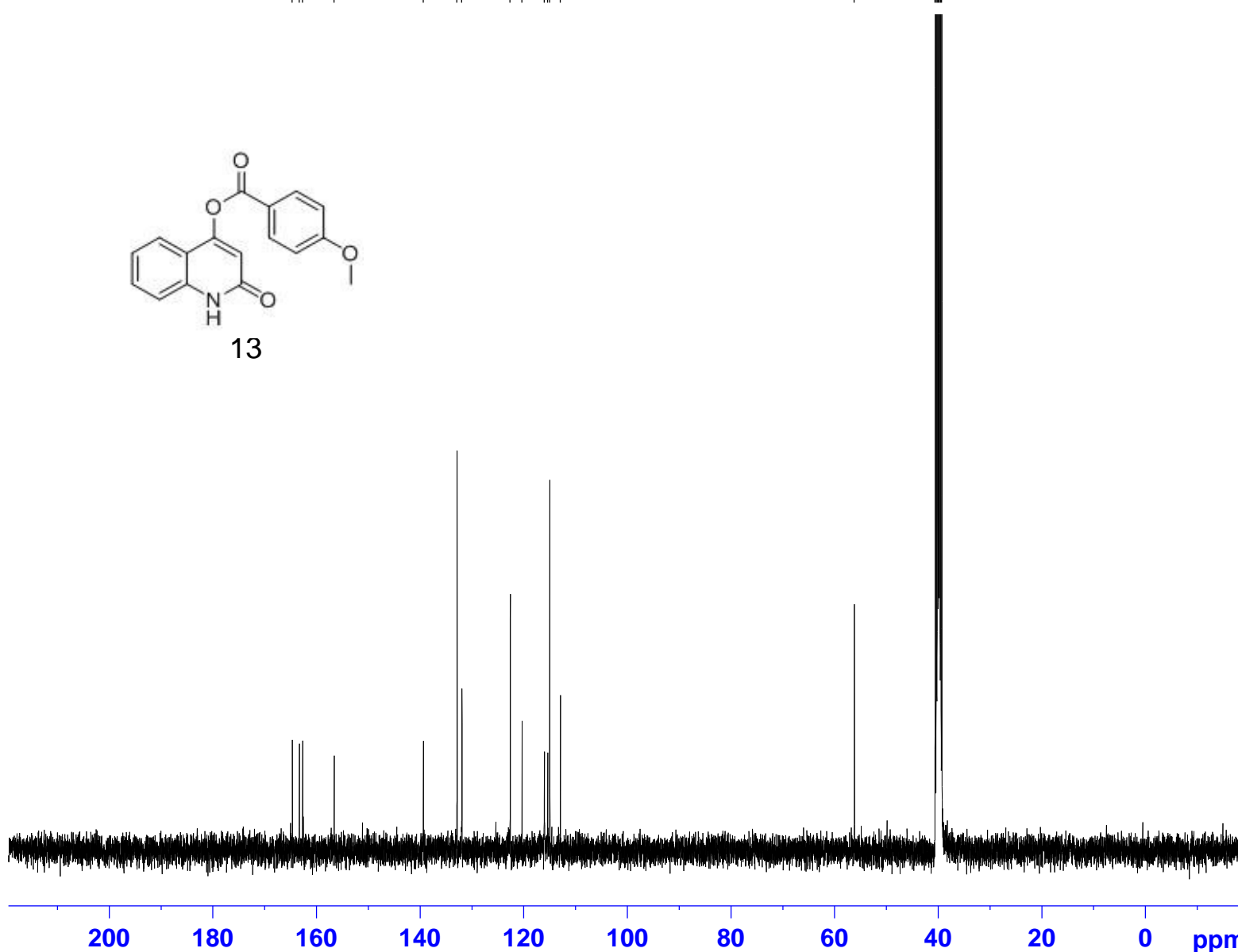
C13CPD DMSO D:\nmr\data ham



13

164.72
163.36
162.72
156.62
139.42
132.92
131.98
122.65
120.37
116.07
115.41
115.02
112.97

56.24
40.62
40.41
40.20
39.99
39.78
39.57
39.36



Current Data Parameters
NAME S-15
EXPNO 10
PROCNO 1

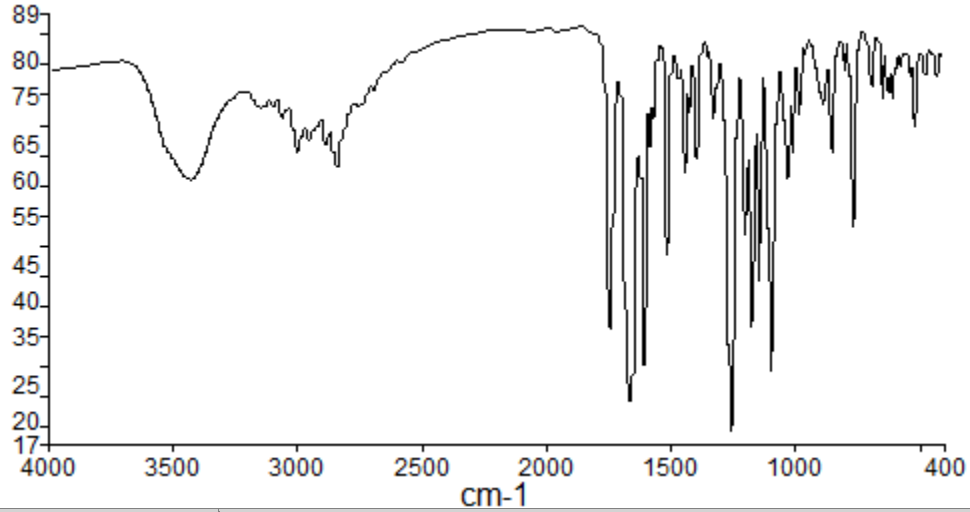
F2 - Acquisition Parameters
Date_ 20121108
Time 23.03
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 1024
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631988 sec
RG 203
DW 20.800 usec
DE 6.50 usec
TE 298.0 K
D1 2.0000000 sec
D11 0.0300000 sec

==== CHANNEL f1 =====
NUC1 13C
P1 9.65 usec
PLW1 49.65900040 W
SFO1 100.6228293 MHz

==== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 12.85299969 W
PLW12 0.34196001 W
PLW13 0.27699000 W
SFO2 400.1316005 MHz

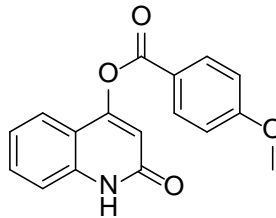
F2 - Processing parameters
SI 32768
SF 100.6127690 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

Spectrum Graph



名称	说明
S20121127-065-S15	

Search Result
Peak Table Results



13

频谱名
S20121127-065-S15

峰值名	X	Y
33	422.04	78.47
32	468.75	78.87
31	511.07	70.03
30	595.26	74.74
29	618.61	75.87
28	644.1	74.82
27	683.64	76.67
26	760.65	53.06
25	797.47	79.42
24	843.12	65.79

23	887.13	73.95
22	979.45	72.29
21	1004.72	65.99
20	1023.76	61.64
19	1092.61	29.11
18	1139.7	44.21
17	1169.14	36.72
16	1192.68	51.8
15	1251.73	18.84
14	1319.46	71.42
13	1390.84	64.49
12	1422.08	72.4
11	1437.14	62.05
10	1511.18	48.43
9	1580.13	66.51
8	1605.58	29.82
7	1655.31	24.05
6	1743.01	36.36
5	2845.44	63.33
4	2890.02	66.81
3	2963.13	67.68
2	3010.34	65.83
1	3436.48	61.32

S20120919-011

20120919

PROTON DMSO-D₆: \nmr_data ham

11.902
7.563
7.545
7.542
7.507
7.487
7.458
7.454
7.437
7.420
7.402
7.383
7.370
7.349
7.331
7.185
7.165
7.147
6.416
4.164

3.329
2.510
2.505
2.501

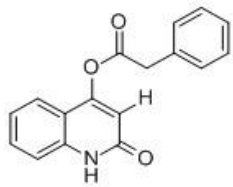


Current Data Parameters
NAME SYPN-03
EXPNO 10
PROCNO 1

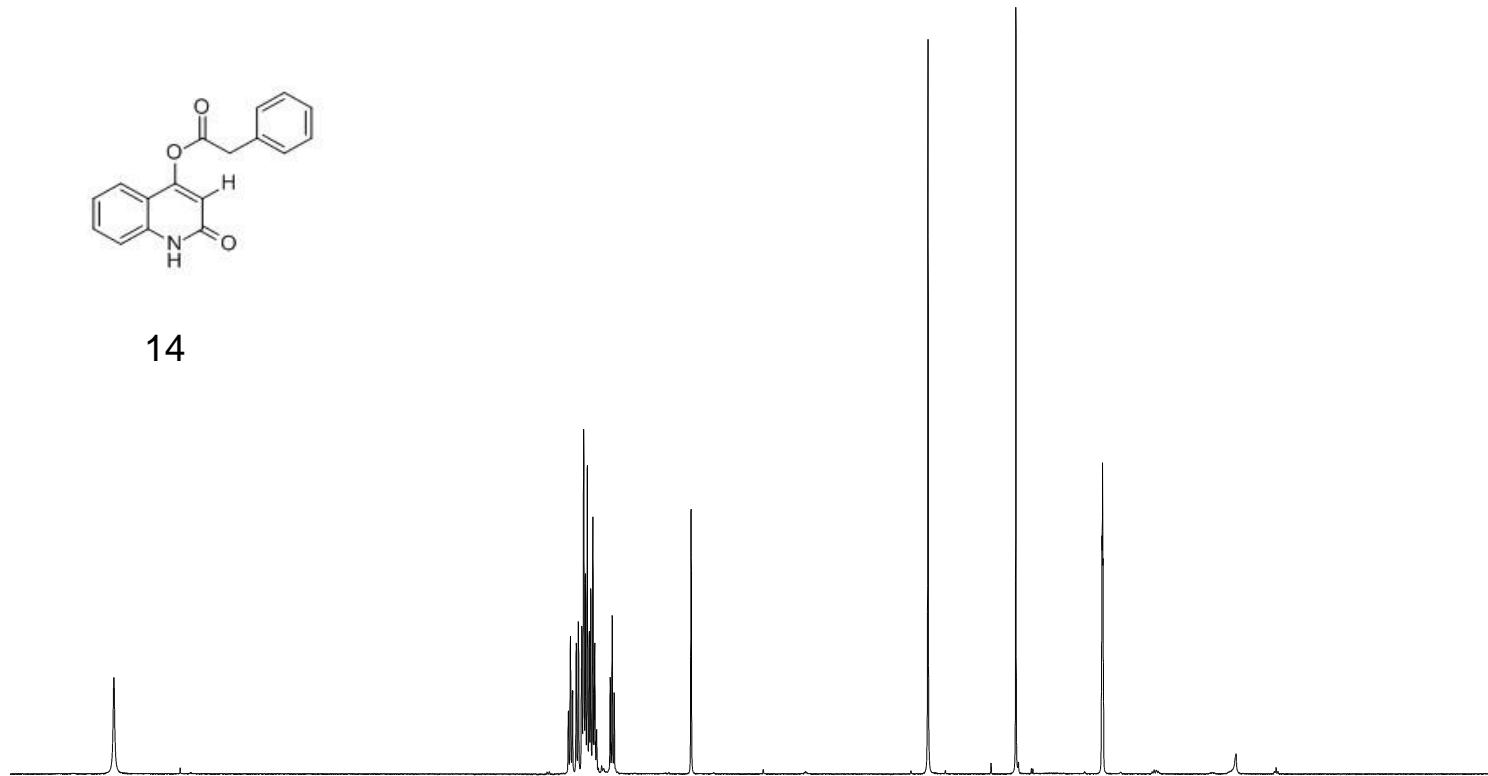
F2 - Acquisition Parameters
Date_ 20120919
Time 10.51
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 203
DW 60.800 usec
DE 6.50 usec
TE 298.0 K
D1 1.00000000 sec

==== CHANNEL f1 =====
NUC1 1H
P1 14.50 usec
PLW1 12.85299969 W
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 65536
SF 400.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



14



0.96

1.00
1.01
5.94
1.05

0.91

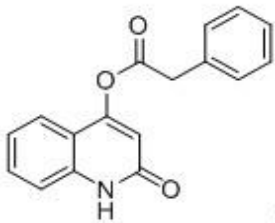
2.00

12 11 10 9 8 7 6 5 4 3 2 1 0 ppm

S20121106-073

20121108

C13CPD DMSO D:\nmr_data ham

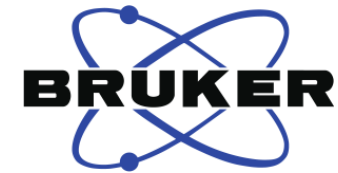
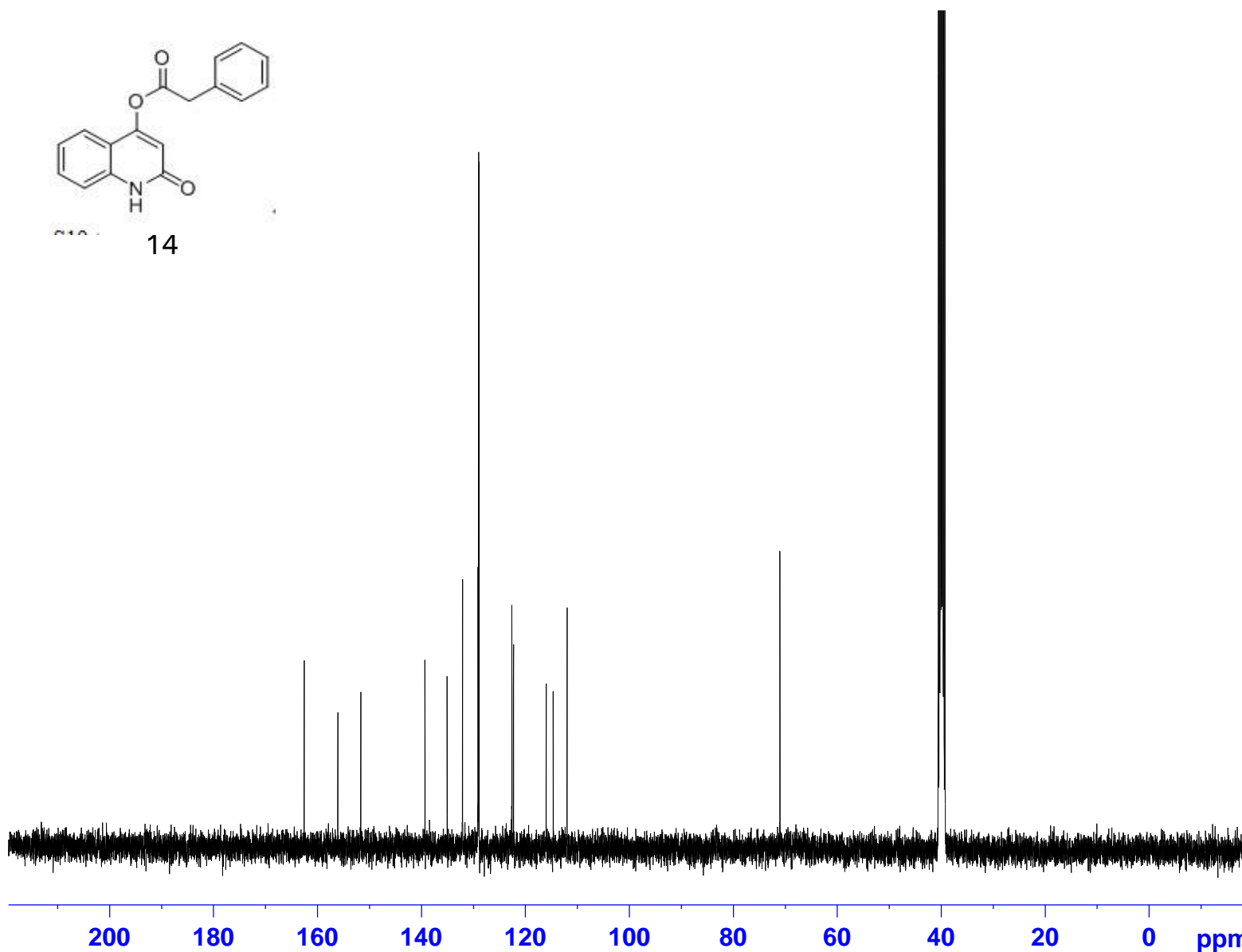


14

162.62
156.14
151.72
139.39
135.12
132.15
129.19
129.07
128.97
122.66
122.36
116.06
114.72
112.04

71.10

40.62
40.41
40.20
39.99
39.78
39.57
39.36



Current Data Parameters
NAME S-19
EXPNO 10
PROCNO 1

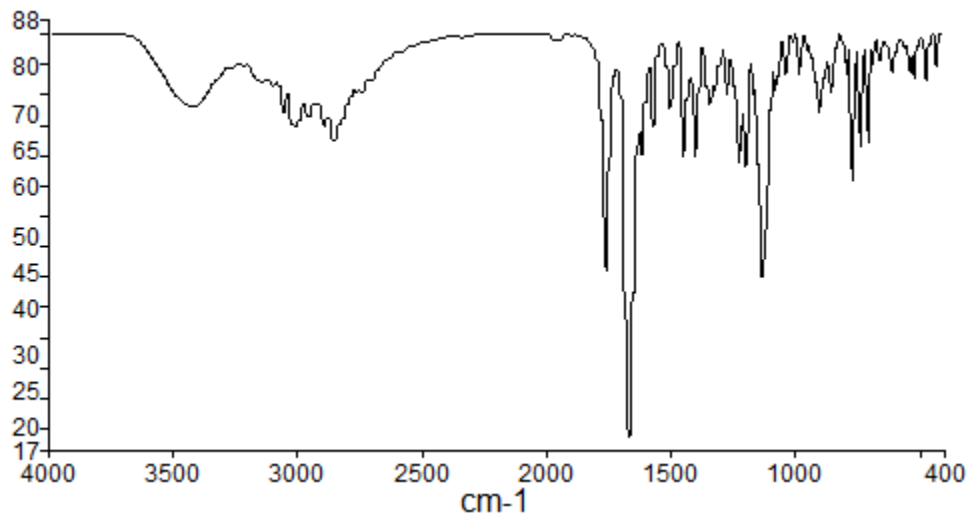
F2 - Acquisition Parameters
Date_ 20121109
Time 3.07
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 1024
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631988 sec
RG 203
DW 20.800 usec
DE 6.50 usec
TE 298.0 K
D1 2.0000000 sec
D11 0.0300000 sec

==== CHANNEL f1 =====
NUC1 13C
P1 9.65 usec
PLW1 49.65900040 W
SFO1 100.6228293 MHz

==== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 12.85299969 W
PLW12 0.34196001 W
PLW13 0.27699000 W
SFO2 400.1316005 MHz

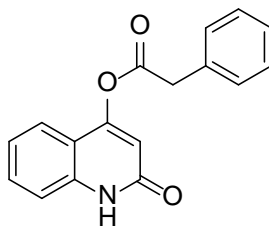
F2 - Processing parameters
SI 32768
SF 100.6127690 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

Spectrum Graph



名称	说明
S20121127-069-S19	

Search Result
Peak Table Results



14

频谱名
S20121127-069-S19

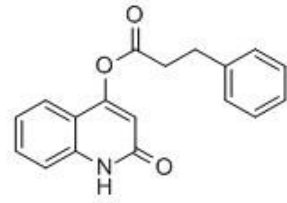
峰值名	X	Y
33	425.4	80.16
32	460.52	77.9
31	511.94	78.23
30	528.71	79.18
29	597.76	79
28	652.02	81.26
27	674.95	80.43
26	697.03	67.42
25	725.05	66.87

24	755.03	61.34
23	763	64.19
22	788.53	78.9
21	848	75.91
20	900.04	72.59
19	979.25	78.93
18	1032.76	78.84
17	1074.91	76.05
16	1122.63	45.1
15	1193	63.75
14	1214.55	64.26
13	1268.74	75.57
12	1343.8	73.99
11	1393.92	65.05
10	1439.27	64.84
9	1505.93	73.22
8	1567.28	70.13
7	1612.97	65.3
6	1668.4	18.22
5	1756.48	45.96
4	2858.9	67.53
3	3015.03	70.18
2	3063.96	72.43
1	3435.94	73.31

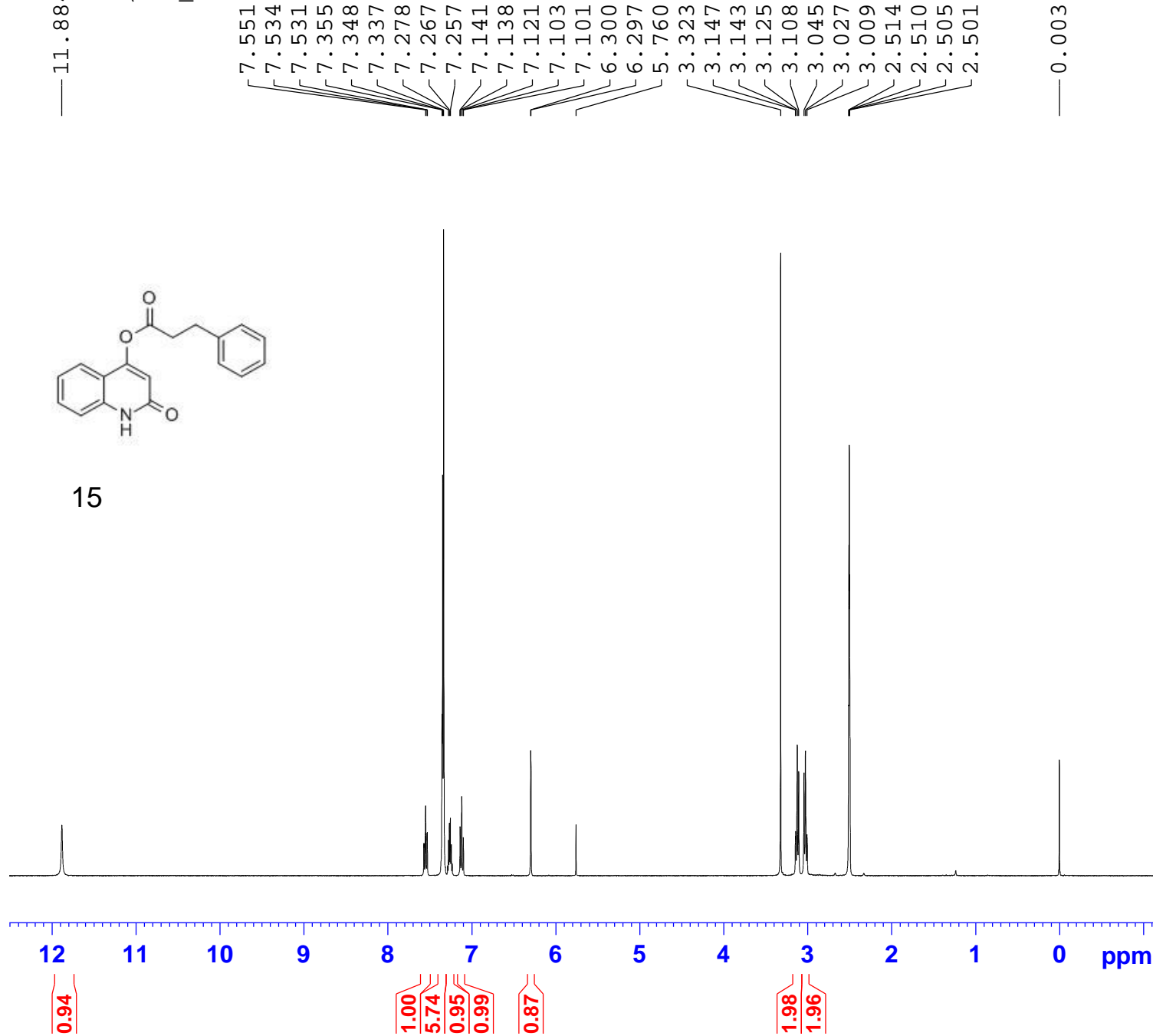
S20120903-007

20120903

PROTON DMSO D:\nmr_data ham



15



Current Data Parameters
NAME 氯化肉桂酰氯
EXPNO 16
PROCNO 1

F2 - Acquisition Parameters
Date_ 20120903
Time 10.58
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 203
DW 60.800 usec
DE 6.50 usec
TE 298.0 K
D1 1.00000000 sec

==== CHANNEL f1 =====
NUC1 1H
P1 14.50 usec
PLW1 12.85299969 W
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 65536
SF 400.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

S20121106-065

20121107

C13CPD DMSO D:\nmr_data\ham

170.47
162.64
162.54
156.48
140.47
139.37
139.23
131.91
128.93
128.87
126.79
122.85
122.41
115.91
115.18
112.67

55.38
40.62
40.41
40.20
39.99
39.78
39.57
39.36
35.36
30.50



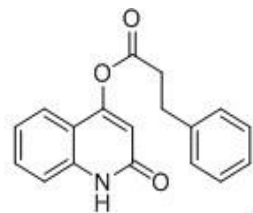
Current Data Parameters
NAME S2
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters
Date_ 20121107
Time 19.05
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 1024
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631988 sec
RG 203
DW 20.800 usec
DE 6.50 usec
TE 298.1 K
D1 2.0000000 sec
D11 0.0300000 sec

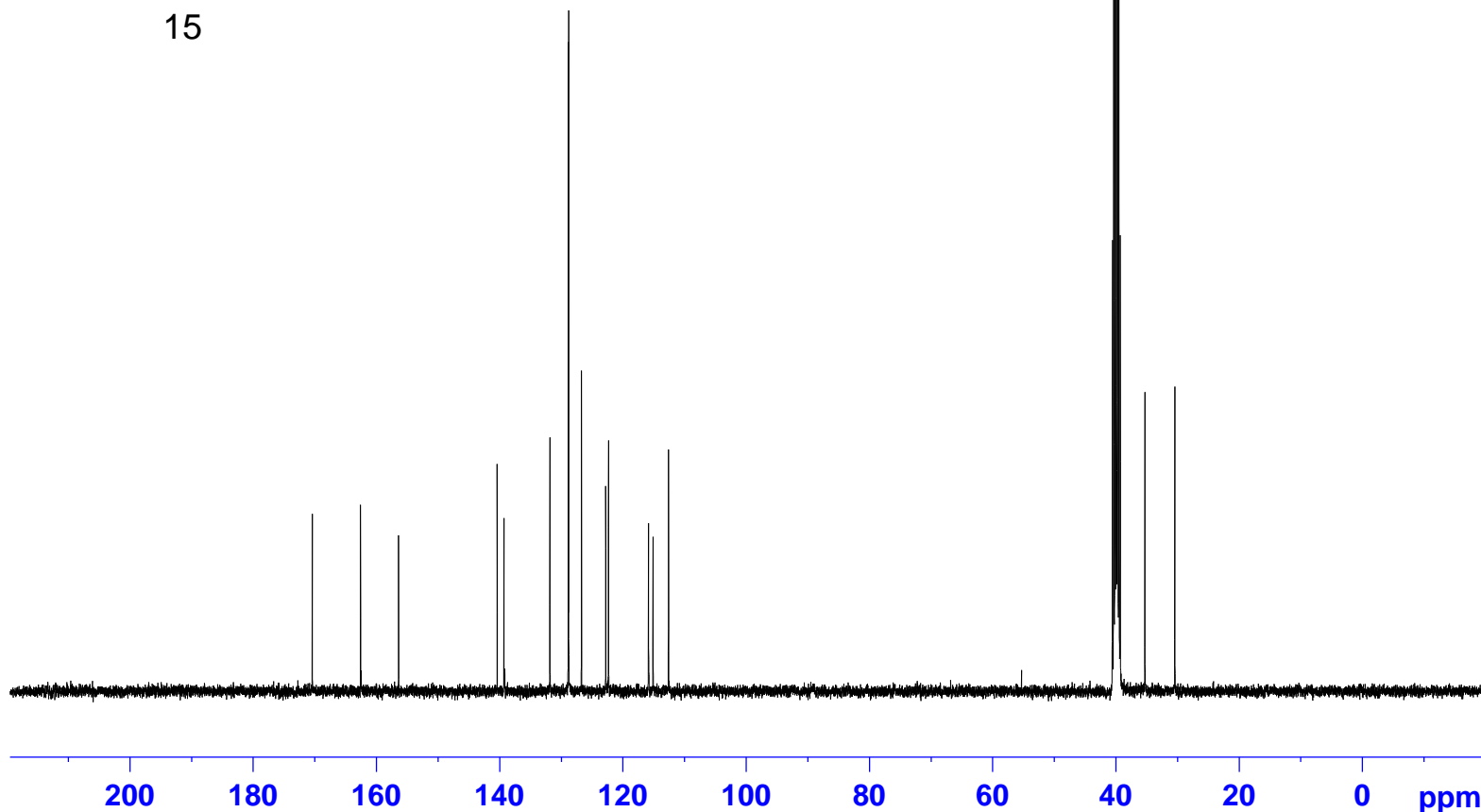
==== CHANNEL f1 =====
NUC1 13C
P1 9.65 usec
PLW1 49.65900040 W
SFO1 100.6228293 MHz

==== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 12.85299969 W
PLW12 0.34196001 W
PLW13 0.27699000 W
SFO2 400.1316005 MHz

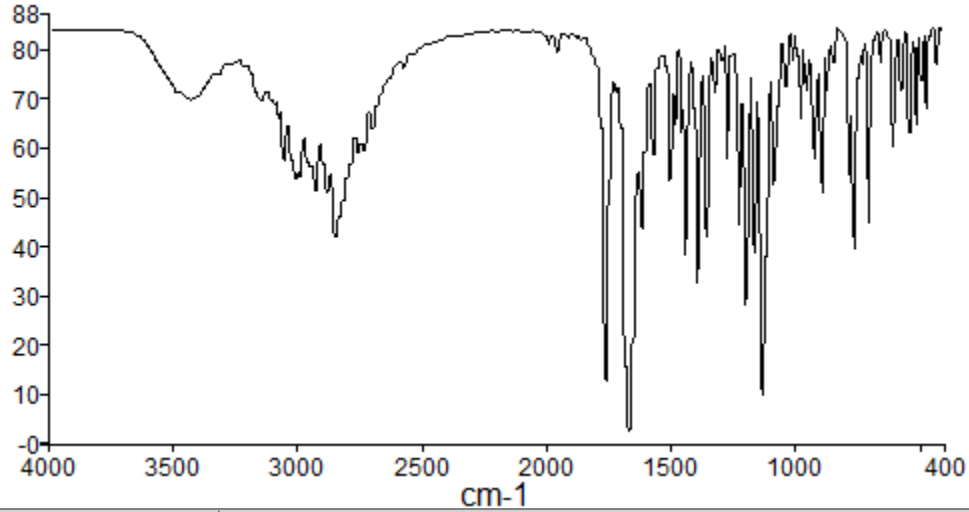
F2 - Processing parameters
SI 32768
SF 100.6127690 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



15

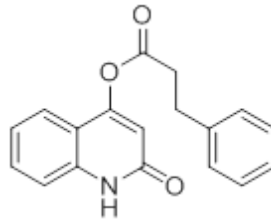


Spectrum Graph



名称	说明
S20121127-053-S2	

**Search Result
Peak Table Results**



15

频谱名
S20121127-015-S2

峰值名	X	Y
55	423.95	77.58
54	463.46	68.5
53	484.6	74.36
52	509.73	65.35
51	532.47	63.47
50	565.37	72.16
49	599.73	60.77
48	651.83	77.84
47	687.68	71.39
46	700.82	44.83
45	750.03	39.56
44	758.73	46.84
43	769.77	47.61
42	836.97	77.8
41	866.2	72.38
40	884.16	51.61
39	913.34	58.28
38	944.48	72.15
37	956.59	75.57

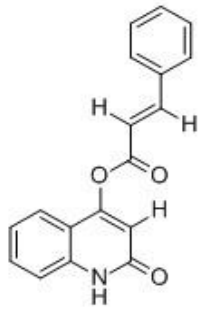
36	976.72	66.61
35	1002.31	78.49
34	1031.74	72.87
33	1067.93	54.13
32	1080.93	52.93
酚羟基C-O31	1125.47	9.78
30	1143.96	60.19
29	1158.29	38.9
28	1194.87	28.11
27	1216.48	44.64
26	1265.95	58.53
25	1289.24	78.18
24	1317.09	71.84
23	1350.64	41.89
22	1390.23	32.64
21	1442.33	38.55
20	1456.88	63.86
19	1482	64.49
18	1495.41	59.34
17	1504.38	53.49
16	1566.86	58.91
15	1609.35	43.7
14	1620.34	52.02
13	1671.49	1.91
12	1760.12	12.29
11	1956.83	80.11
10	2702.52	64.57
9	2738.65	59.47
8	2766.41	59.26
7	2855.16	41.97
6	2889	51.36
5	2926.44	51.51
4	2943.9	53.5
3	3009.96	53.82
2	3062.62	58.07
1	3435.88	70.33

S20120919-016

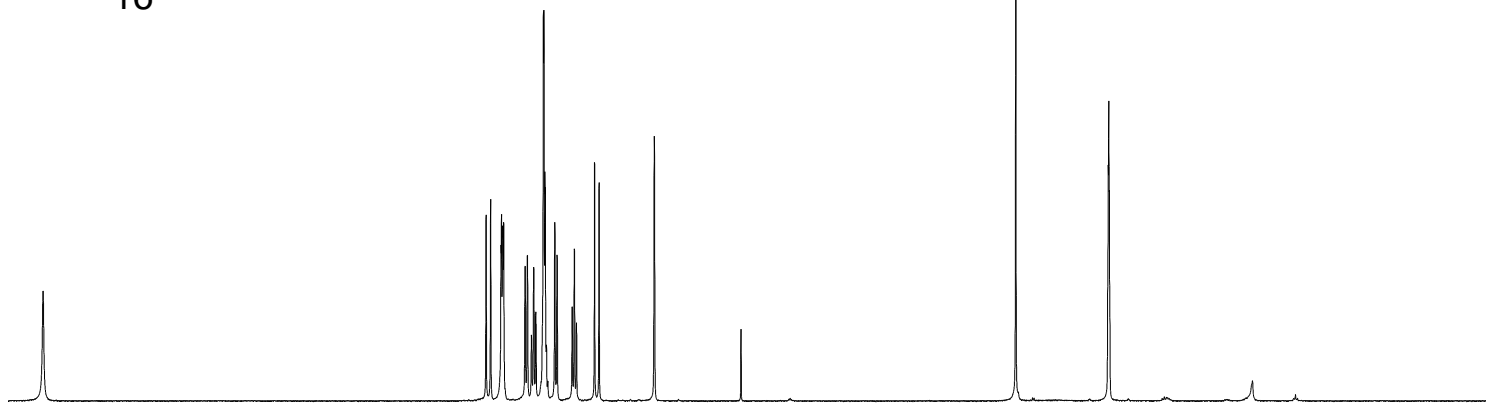
20120919

PROTON NMR DMSO D:
D:\nmr data ham

11.933
8.015
7.975
7.883
7.879
7.870
7.860
7.670
7.650
7.594
7.576
7.508
7.504
7.495
7.492
7.408
7.387
7.254
7.234
7.216
7.055
7.015
6.527
5.759
3.329
2.510
2.505
2.501



16



12 11 10 9 8 7 6 5 4 3 2 1 0 ppm

0.94
1.00
1.96
1.01
1.02
2.94
0.98
0.99
0.98
0.88



Current Data Parameters
NAME SYPN-08
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters
Date_ 20120919
Time 11.10
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 203
DW 60.800 usec
DE 6.50 usec
TE 298.0 K
D1 1.00000000 sec

==== CHANNEL f1 =====
NUC1 1H
P1 14.50 usec
PLW1 12.85299969 W
SFO1 400.1324710 MHz

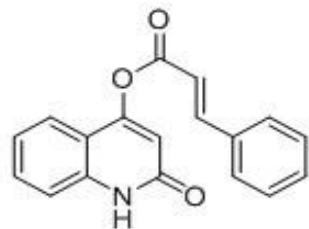
F2 - Processing parameters
SI 65536
SF 400.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

S20121106-067

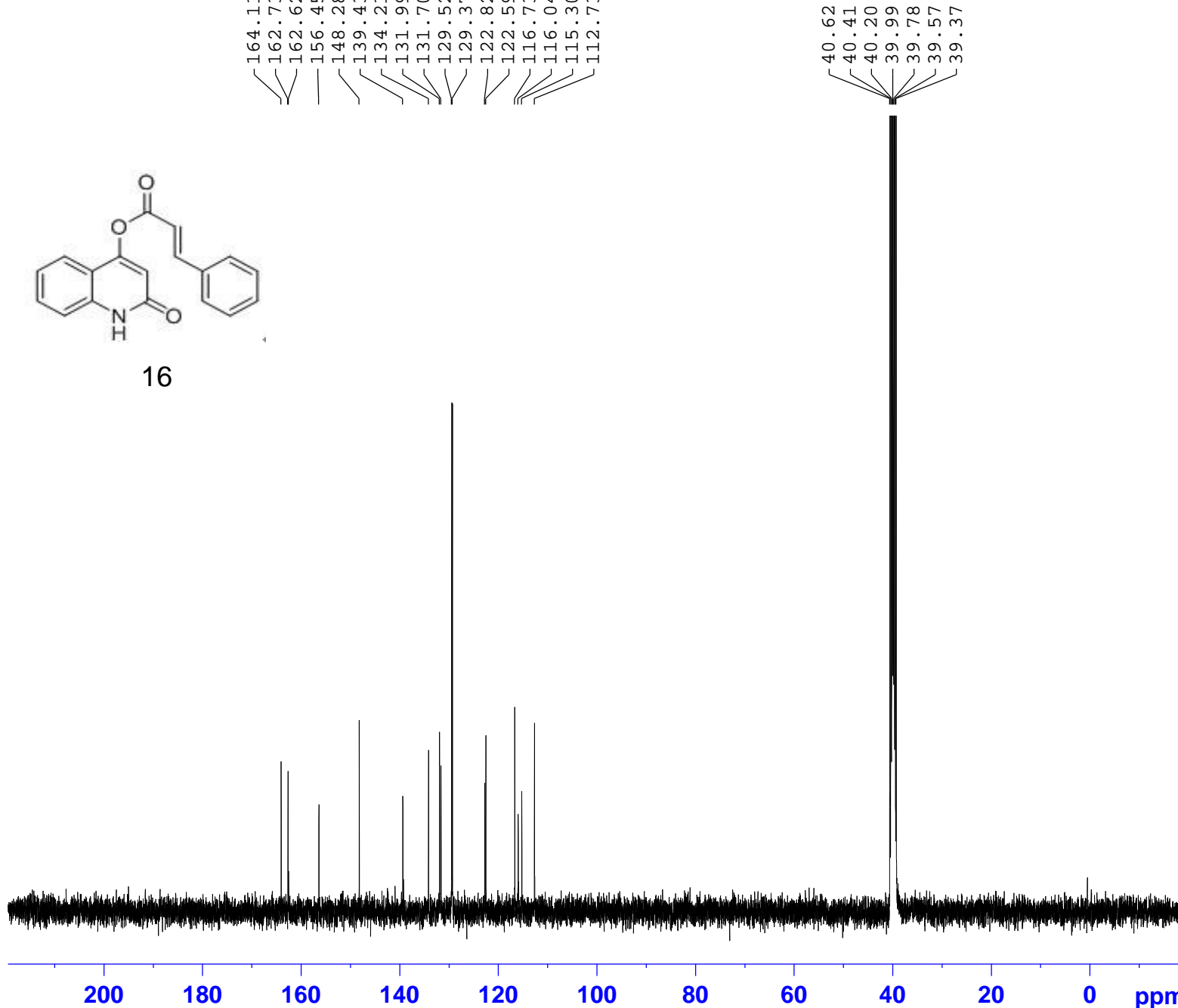
20121107

C13CPD DMSO D:\nmr_data ham

164.11
162.73
162.62
156.45
148.28
139.43
134.21
131.99
131.70
129.52
129.37
122.82
122.59
116.73
116.04
115.30
112.73



16



Current Data Parameters
NAME S4
EXPNO 10
PROCNO 1

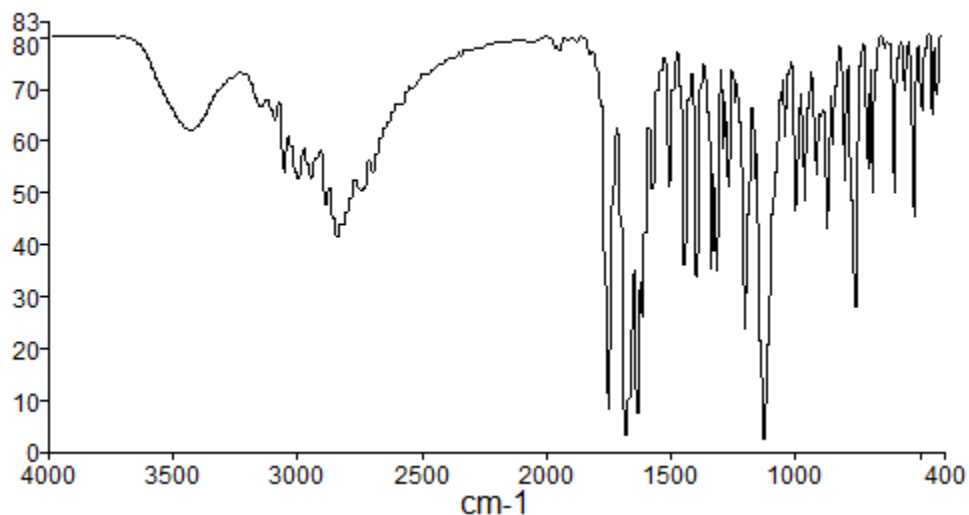
F2 - Acquisition Parameters
Date_ 20121107
Time 21.08
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 1024
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631988 sec
RG 203
DW 20.800 usec
DE 6.50 usec
TE 298.1 K
D1 2.0000000 sec
D11 0.0300000 sec

==== CHANNEL f1 =====
NUC1 13C
P1 9.65 usec
PLW1 49.65900040 W
SFO1 100.6228293 MHz

==== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 12.85299969 W
PLW12 0.34196001 W
PLW13 0.27699000 W
SFO2 400.1316005 MHz

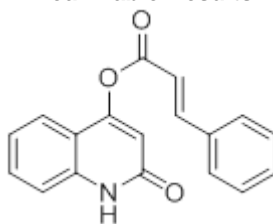
F2 - Processing parameters
SI 32768
SF 100.6127690 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

Spectrum Graph



名称	说明
S20121127-055-S4	

Search Result Peak Table Results



16

频谱名
S20121127-017-S4

峰值名	X	Y
55	421.29	69.61
54	439.08	65.5
53	481.73	66.49
52	513.07	45.63
51	529.04	70.76
50	552.54	70.11
49	592.2	50.13
48	676.77	50.16
47	696.54	55.33
46	706.18	61.9
45	749.88	28.28
44	754.76	30.4
43	763.84	44.48
42	792.04	52.9
41	835.31	59.75
40	851.95	49.45
39	870.02	43.05
38	904.74	54.1
37	952.31	49.14

36	982.4	48.99
35	995.9	47.11
34	1031.88	61.32
33	1077.51	47.48
32	1117.66	2.26
31	1156.68	53.27
30	1195.99	23.95
29	1209.75	42.19
28	1232.55	67.98
27	1262.33	51.18
26	1280.72	59.1
25	1308.71	35.07
24	1333.92	35.49
23	1353.47	66.61
22	1391.7	34.17
21	1441.23	36.3
20	1451.12	51.08
19	1498.63	51.51
18	1507.85	60.02
17	1567.78	52.1
16	1578.19	50.97
15	1610.7	26.31
14	1631.13	7.54
13	1681.57	3.08
12	1754.94	8.12
11	1947.36	77.91
10	2701.9	54.24
9	2740.13	50.38
8	2849.11	41.53
7	2888.27	47.81
6	2950.93	53.39
5	3005.37	52.71
4	3060.85	54.52
3	3100.36	64.55
2	3155.74	66.89
1	3436.17	62.43

S20120919-009

20120919

PROTON DMSO D:\nmr_data ham

— 12.006

7.801
7.782
7.627
7.514
7.496
7.474
7.471
7.452
7.415
7.395
7.366
7.288
6.743

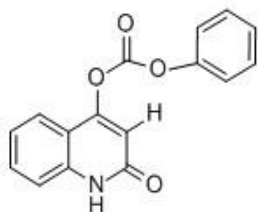
— 3.326

2.510

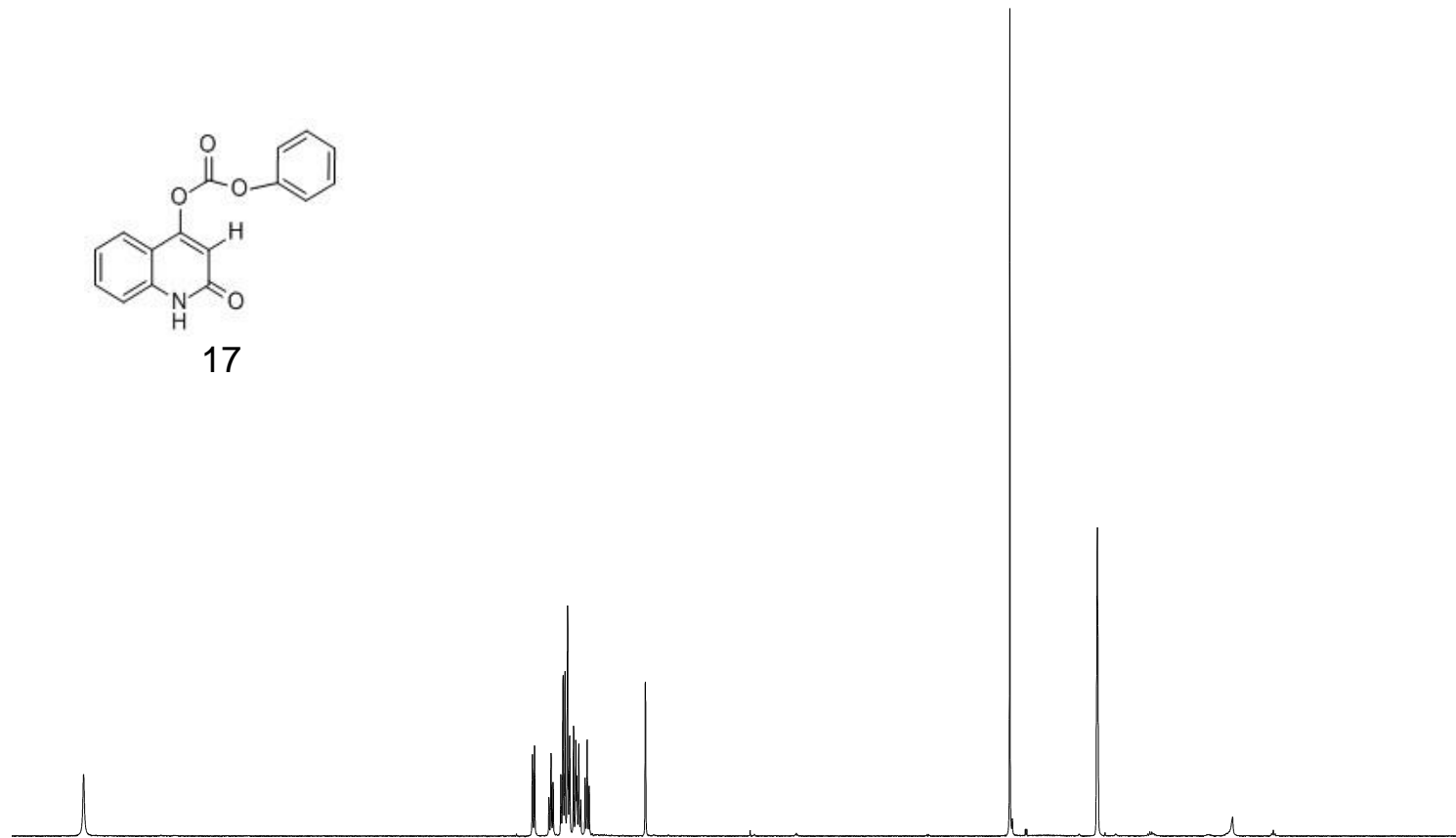
2.505

2.501

— 1.238



17



0.95

1.00
1.03
2.04
2.03
2.07
1.07
0.90



Current Data Parameters
NAME SYPN-01
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters
Date_ 20120919
Time 10.44
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 203
DW 60.800 usec
DE 6.50 usec
TE 298.0 K
D1 1.00000000 sec

==== CHANNEL f1 =====
NUC1 1H
P1 14.50 usec
PLW1 12.85299969 W
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 65536
SF 400.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

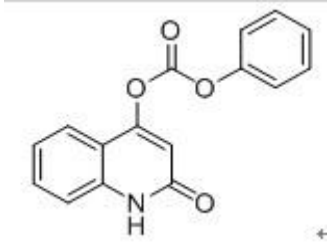
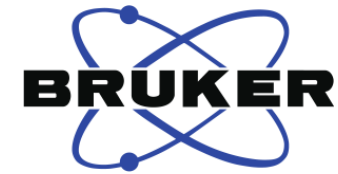
S20121106-076

20121108

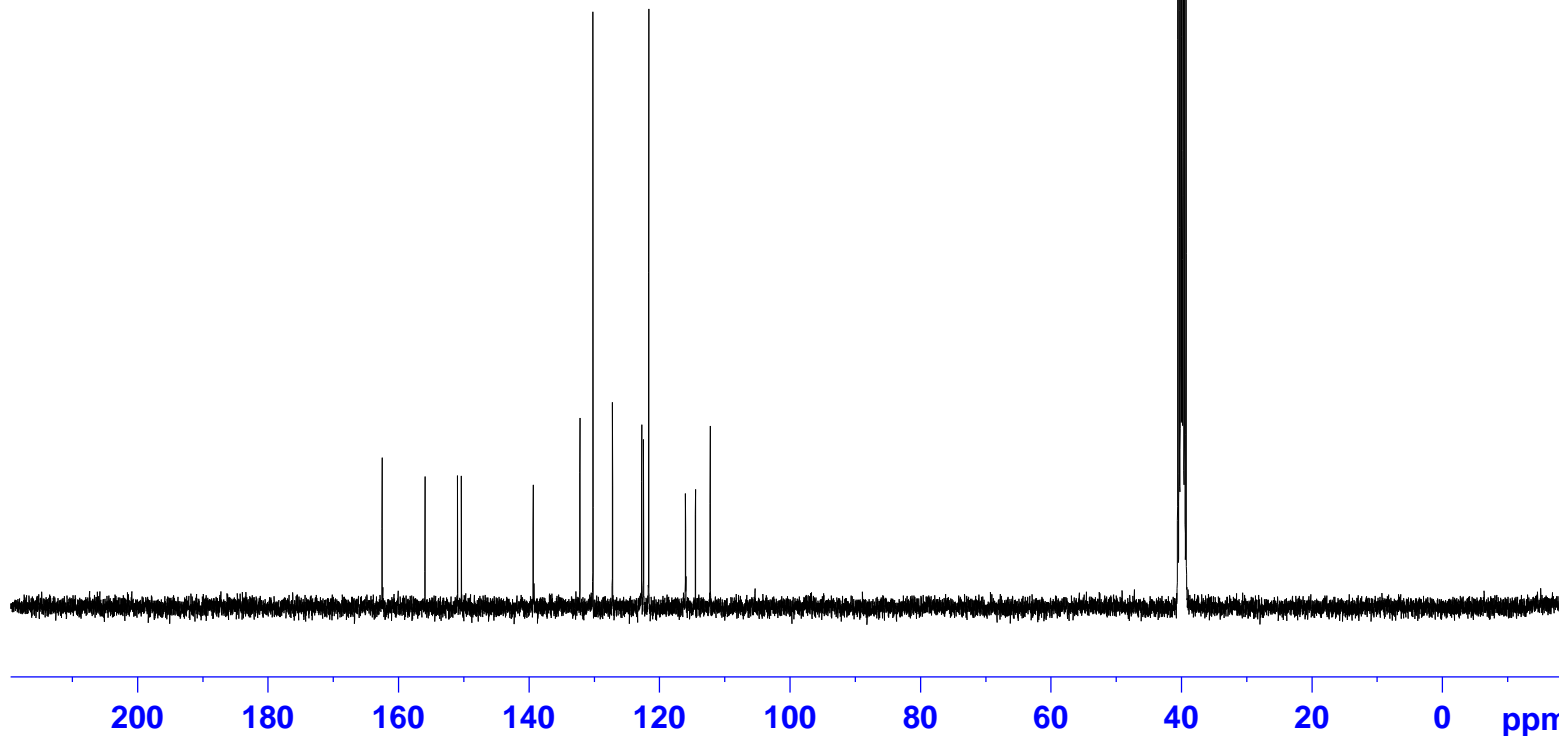
C13CPD DMSO D:\nmr_data ham

162.58
156.01
151.03
150.44
139.43
132.26
130.27
127.27
122.79
122.52
121.72
116.09
114.56
112.29

40.62
40.41
40.20
39.99
39.78
39.57
39.36



17



Current Data Parameters
NAME S-16
EXPNO 10
PROCNO 1

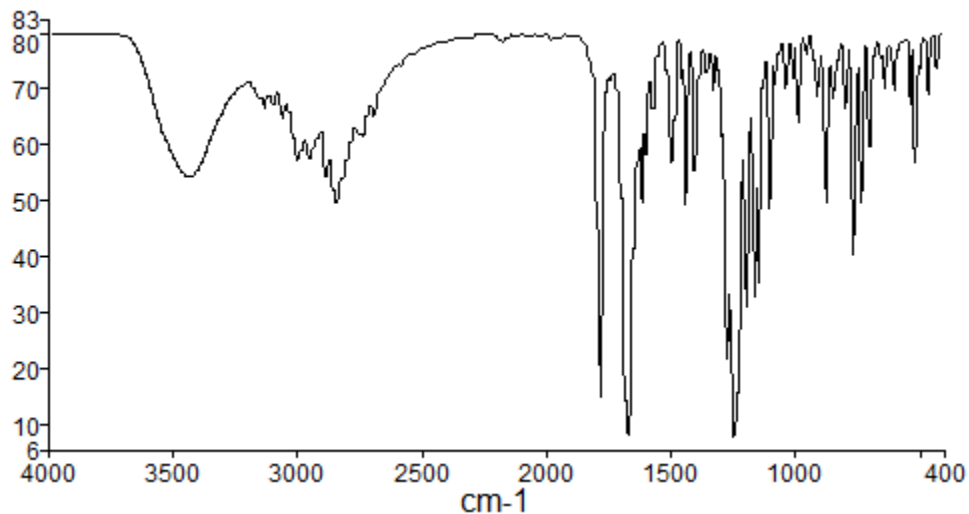
F2 - Acquisition Parameters
Date_ 20121109
Time 0.04
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 1024
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631988 sec
RG 203
DW 20.800 usec
DE 6.50 usec
TE 298.0 K
D1 2.0000000 sec
D11 0.0300000 sec

==== CHANNEL f1 =====
NUC1 13C
P1 9.65 usec
PLW1 49.65900040 W
SFO1 100.6228293 MHz

==== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 12.85299969 W
PLW12 0.34196001 W
PLW13 0.27699000 W
SFO2 400.1316005 MHz

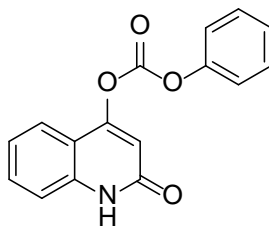
F2 - Processing parameters
SI 32768
SF 100.6127690 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

Spectrum Graph



名称	说明
S20121127-066-S16	

Search Result
Peak Table Results



17

频谱名
S20121127-066-S16

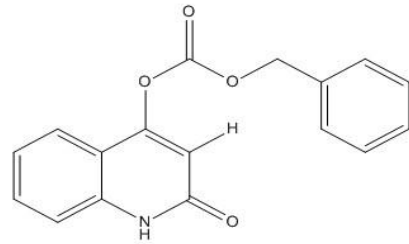
峰值名	X	Y
50	422	74.21
49	457.25	69.54
48	497.31	68.69
47	509.93	57.04
46	527.61	67.68
45	586.7	70.24
44	636.21	70.57
43	683.28	59.99
42	693.63	60

41	727.04	49.91
40	748.49	45.93
39	756.19	45.96
38	765.25	40.39
37	791.18	67.1
36	841.09	68.61
35	867.16	50.26
34	912.44	68.94
33	948.2	76.61
32	975.11	64.57
31	987.04	66.98
30	1006.2	72.23
29	1023.29	71.88
28	1034.6	70.64
27	1070.63	71.09
26	1097.65	49.26
25	1141.07	35.47
24	1151.77	33.04
23	1187.84	31.14
22	1230.61	9.18
21	1242.85	7.48
20	1268.16	22.01
19	1324.91	70.35
18	1353.66	73.43
17	1401.75	55.62
16	1439.03	49.56
15	1456.2	72.41
14	1485.6	56.97
13	1569.21	67.11
12	1591.77	58.26
11	1611.41	49.78
10	1671.5	7.9
9	1784.2	14.6
8	2700.99	65.44
7	2852.32	49.68
6	2889.56	54.39
5	2950.68	57.8
4	3007.92	57.67
3	3061.97	65.06
2	3137.91	66.8
1	3443.77	54.61

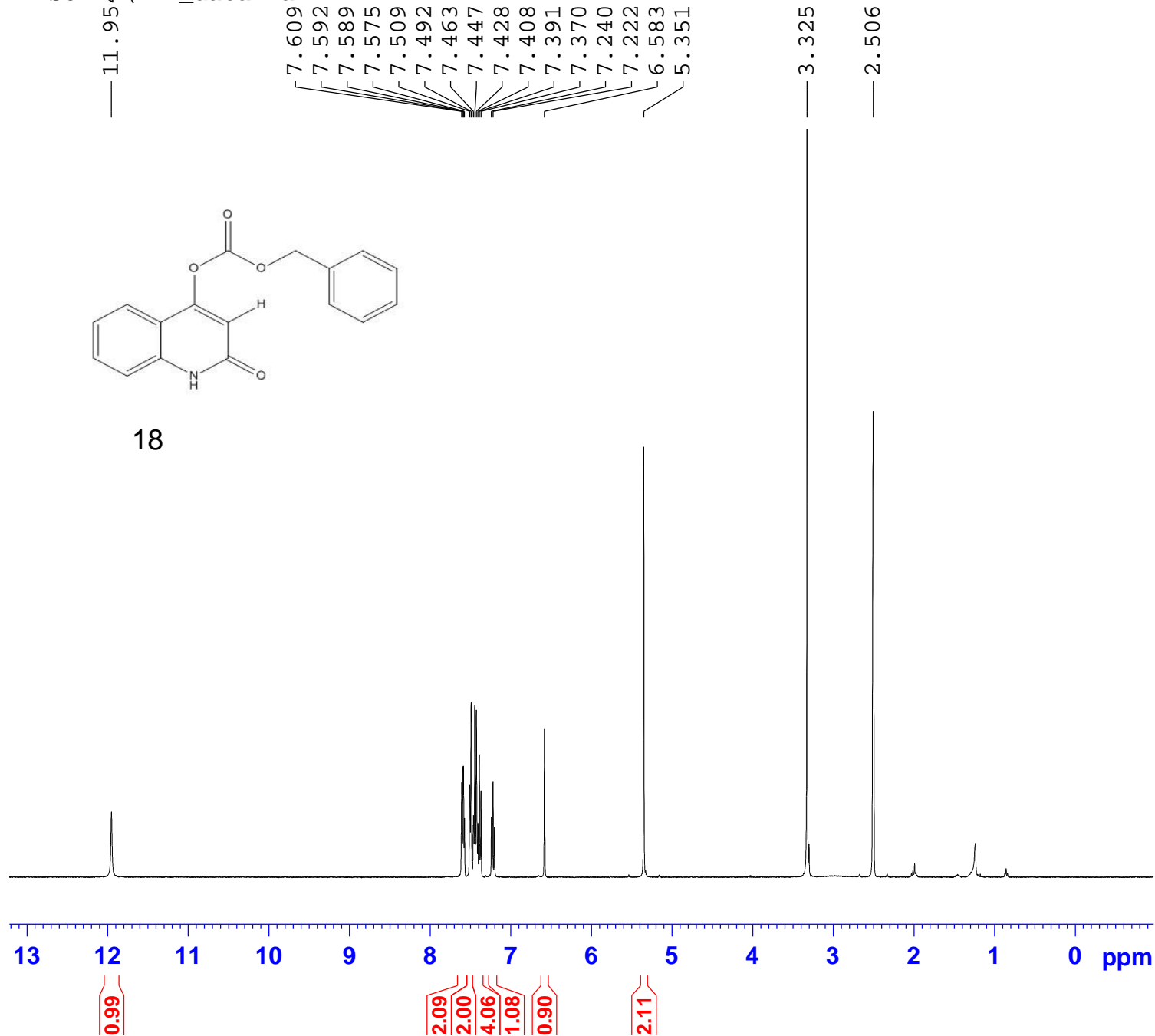
S20120925-057

20120925

PROTON DMSO D4 \nmr_data ham



18



Current Data Parameters
NAME SYP-N-11
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters
Date_ 20120925
Time 17.43
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 203
DW 60.800 usec
DE 6.50 usec
TE 298.1 K
D1 1.00000000 sec

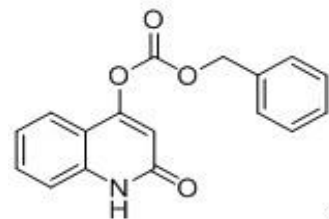
==== CHANNEL f1 =====
NUC1 1H
P1 14.50 usec
PLW1 12.85299969 W
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 65536
SF 400.1300000 MHz
WDB EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

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20121108

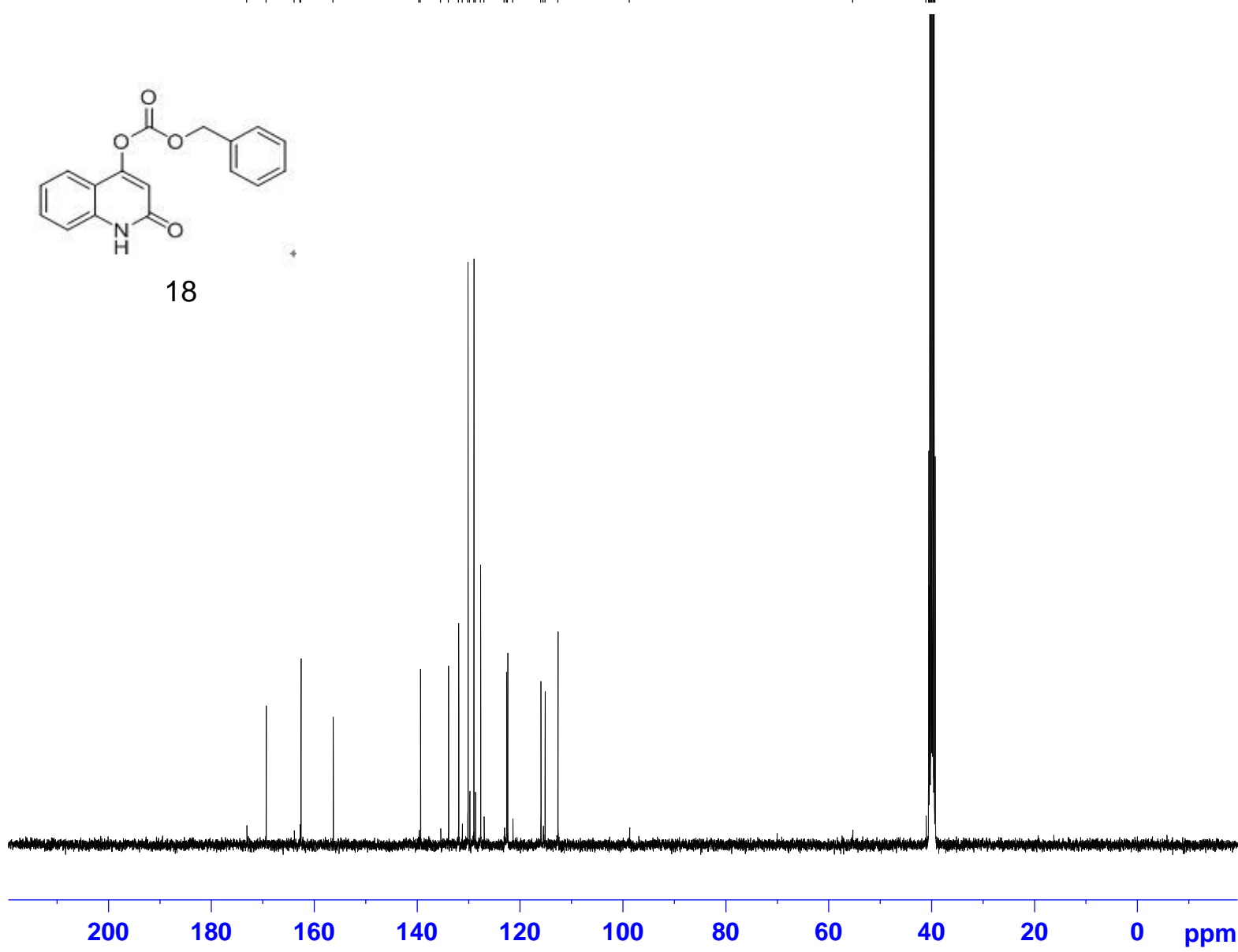
C13CPD DMSO D:\nmr_data ham



18

173.14
169.39
163.94
162.79
162.63
156.37
139.68
139.40
135.48
133.96
131.98
131.26
130.17
129.82
129.01
128.69
127.71
127.03
123.09
122.66
122.45
121.44
116.00
115.54
115.18
112.68
98.75

55.37
41.14
40.61
40.50
40.40
40.20
39.99
39.78
39.57
39.36



Current Data Parameters
NAME S-12
EXPNO 10
PROCNO 1

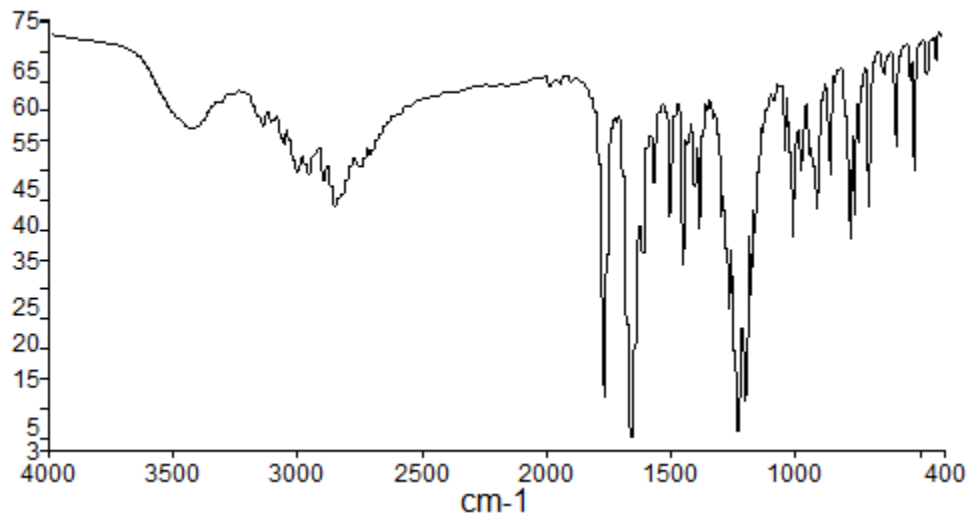
F2 - Acquisition Parameters
Date_ 20121108
Time 20.00
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 1024
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631988 sec
RG 203
DW 20.800 usec
DE 6.50 usec
TE 298.0 K
D1 2.0000000 sec
D11 0.0300000 sec

==== CHANNEL f1 =====
NUC1 13C
P1 9.65 usec
PLW1 49.65900040 W
SFO1 100.6228293 MHz

==== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 12.85299969 W
PLW12 0.34196001 W
PLW13 0.27699000 W
SFO2 400.1316005 MHz

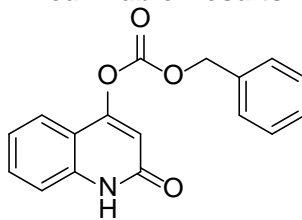
F2 - Processing parameters
SI 32768
SF 100.6127690 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

Spectrum Graph



名称	说明
S20121127-062-S12	

Search Result Peak Table Results



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频谱名
S20121127-062-S12

峰值名	X	Y
46	421.6	68.83
45	463.51	66.46
44	516.95	50.07
43	530.95	65.66
42	583.47	54.58
41	634.41	66.67
40	697.38	43.81
39	738.18	55.16
38	757.91	42.55
37	769.77	38.57

36	785.14	51.15
35	827.82	65.22
34	850.58	49.69
33	865.1	54.72
32	905.58	43.87
31	932.39	51.43
30	970.32	50.35
29	987.62	53.5
28	1007.8	38.81
27	1034.76	53.82
26	1152.35	39.68
25	1170.67	29.04
24	1194.5	11.32
23	1225.88	5.88
22	1264.96	26.67
21	1286.99	41.98
20	1353.14	60.27
19	1375.32	40.35
18	1399.95	47.47
17	1422.86	54.92
16	1445.05	34.35
15	1504.49	42.2
14	1567.84	48.1
13	1609.82	36.24
12	1654.13	4.73
11	1761.7	11.73
10	1987.59	64.5
9	2712.19	52.57
8	2747.19	50.6
7	2854.01	44.24
6	2897.13	48.47
5	2956.37	49.6
4	3008.49	50.12
3	3067.11	54.89
2	3145.73	57.92
1	3434.98	57.34

S20120925-062

20120925

PROTON DMSO D:\nmr_data ham

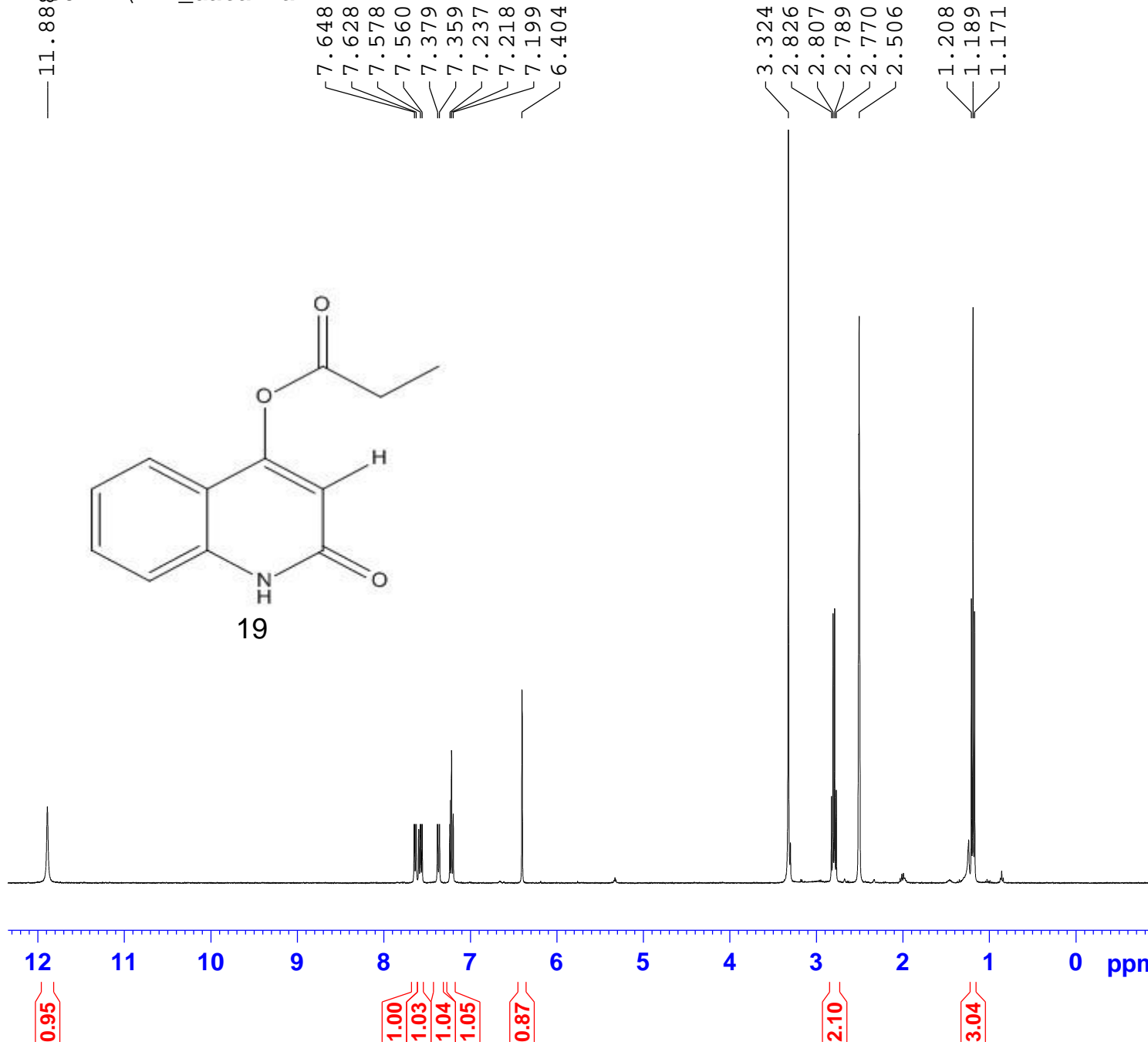
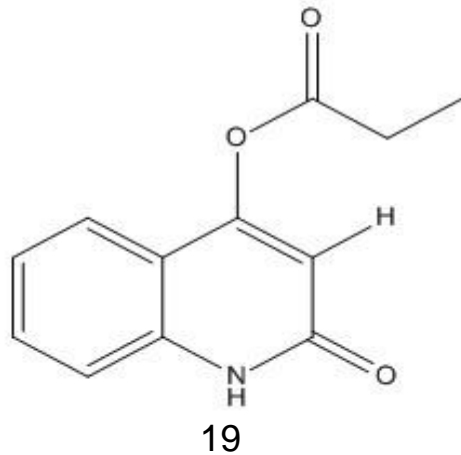


Current Data Parameters
NAME SYP-N-16
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters
Date_ 20120925
Time 18.01
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 203
DW 60.800 usec
DE 6.50 usec
TE 298.0 K
D1 1.00000000 sec

===== CHANNEL f1 =====
NUC1 1H
P1 14.50 usec
PLW1 12.85299969 W
SFO1 400.1324710 MHz

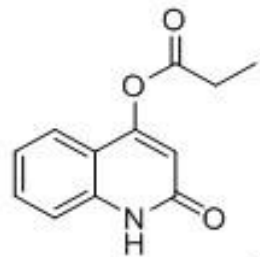
F2 - Processing parameters
SI 65536
SF 400.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



S20121106-075

20121108

C13CPD DMSO D:\nmr_data ham



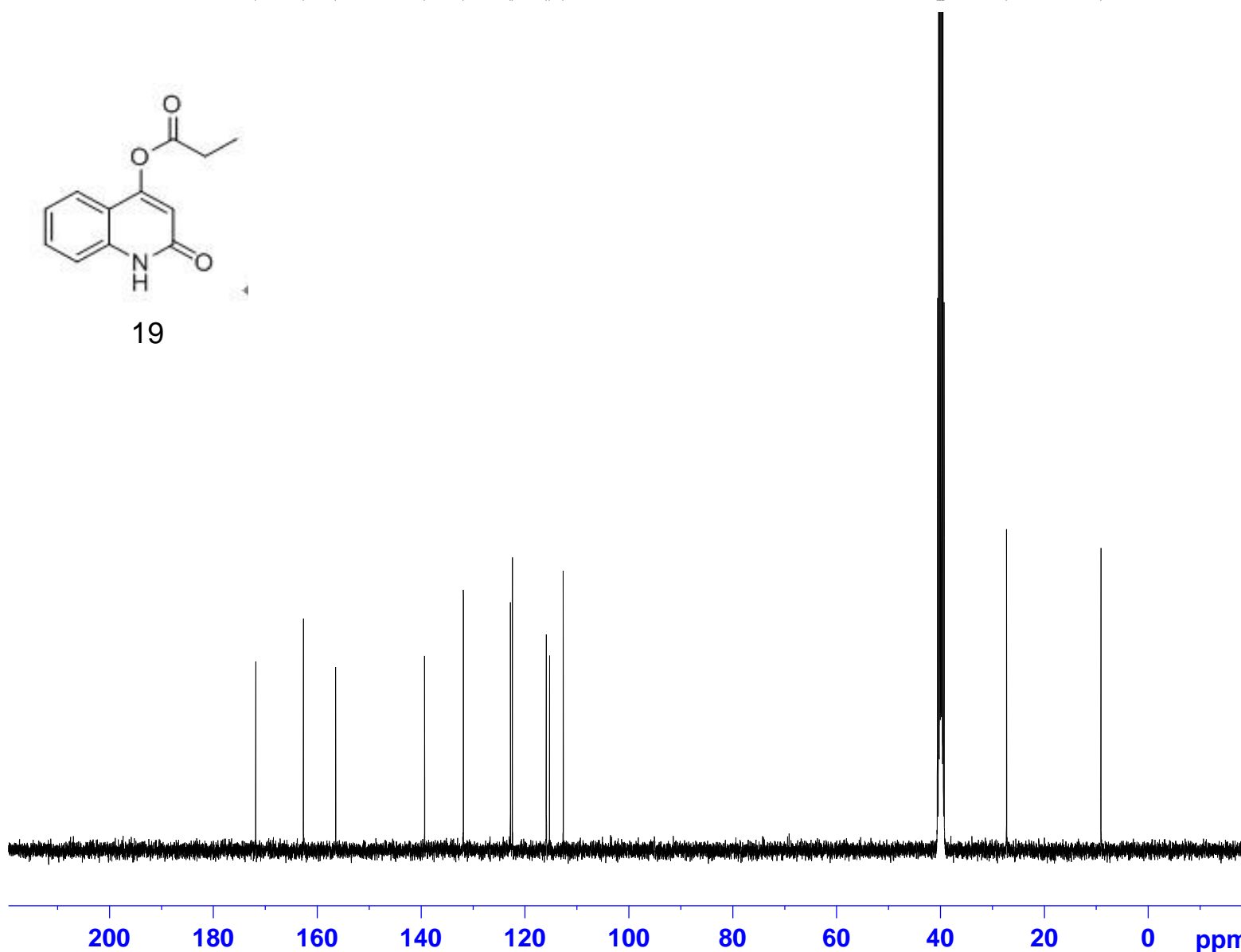
19

— 171.90
— 162.72
— 156.52

— 139.39
— 131.93
— 122.87
— 122.49
— 115.96
— 115.34
— 112.70

40.61
40.40
40.20
39.99
39.78
39.57
39.36
27.34

— 9.16



Current Data Parameters
NAME S-17
EXPNO 10
PROCNO 1

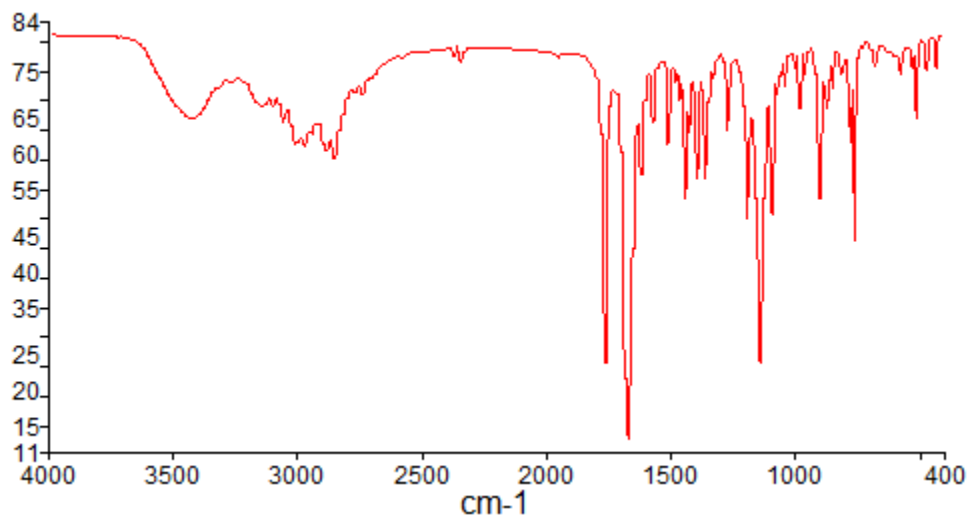
F2 - Acquisition Parameters
Date_ 20121109
Time 1.05
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 1024
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631988 sec
RG 203
DW 20.800 usec
DE 6.50 usec
TE 298.0 K
D1 2.0000000 sec
D11 0.0300000 sec

==== CHANNEL f1 =====
NUC1 13C
P1 9.65 usec
PLW1 49.65900040 W
SFO1 100.6228293 MHz

==== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 12.85299969 W
PLW12 0.34196001 W
PLW13 0.27699000 W
SFO2 400.1316005 MHz

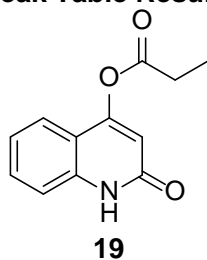
F2 - Processing parameters
SI 32768
SF 100.6127690 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

Spectrum Graph



名称	说明
S20121127-067-S17	

Search Result
Peak Table Results



频谱名
S20121127-067-S17

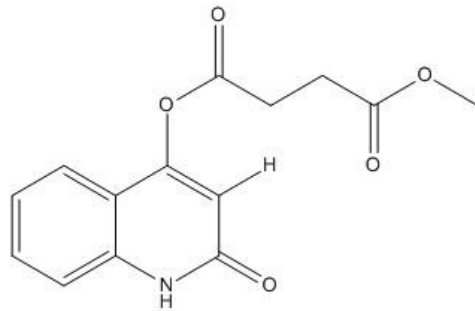
峰值名	X	Y
33	428.72	75.76
32	464.36	75.68
31	510	67.37
30	523.38	75.99
29	569.23	74.85
28	670.43	76.34
27	751.55	46.32
26	769.18	63.43
25	838.34	72.57
24	869.02	69.06

23	894.12	53.82
22	948.16	74.96
21	974.1	69.15
20	1035.37	72.87
19	1060.82	71.45
18	1086.55	50.99
17	1133.73	25.58
16	1188.42	50.03
15	1269.42	65.26
14	1354.11	56.85
13	1385.59	57.09
12	1419.94	65.07
11	1435.91	53.37
10	1457.61	70.65
9	1507.28	62.88
8	1567.73	66.85
7	1615.89	57.62
6	1673.63	12.38
5	1760.61	25.23
4	2861.75	60.24
3	2895.3	61.7
2	2985.56	62.76
1	3436.02	67.32

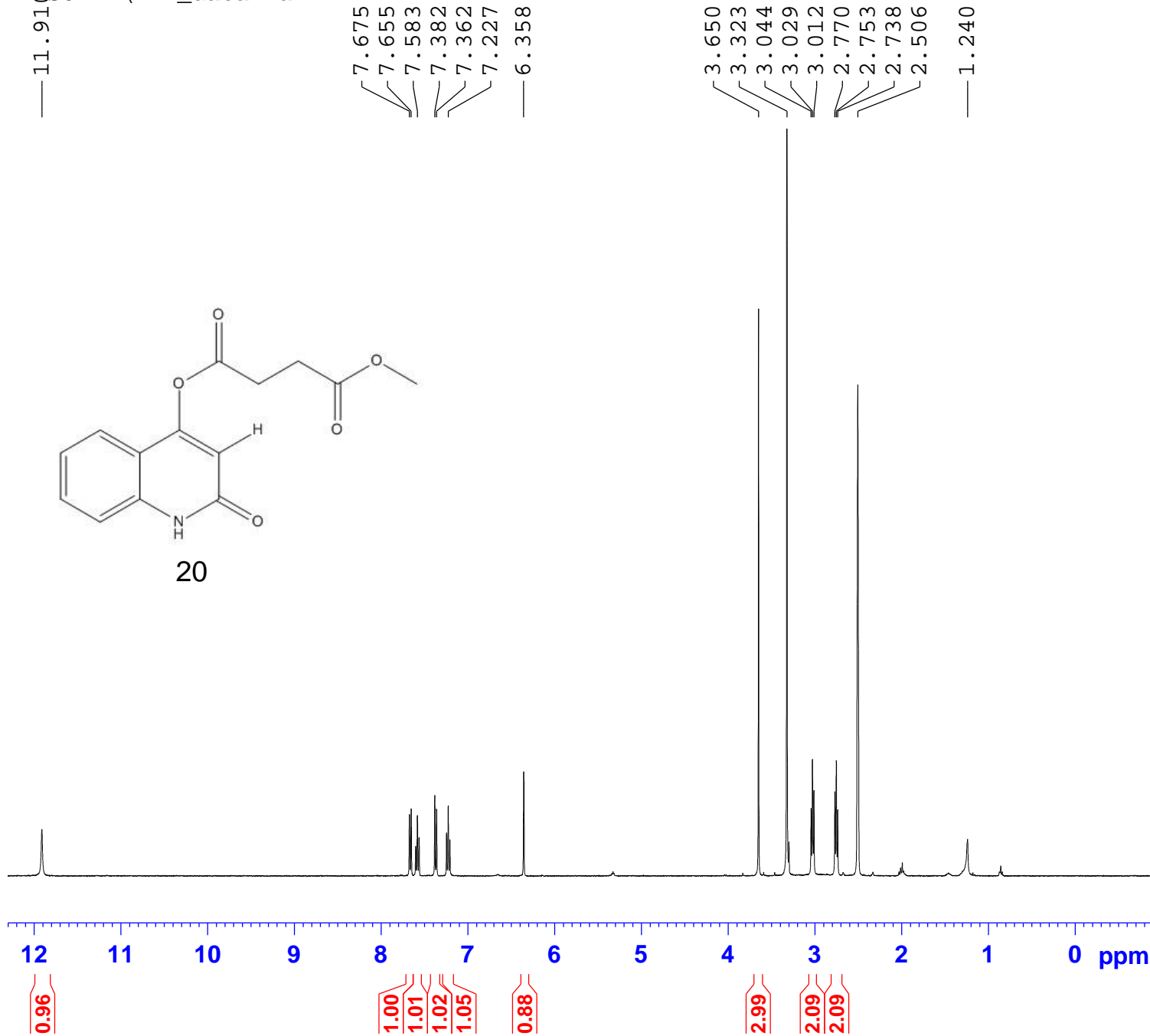
S20120925-059

20120925

PROTON DMSO D:\nmr_data ham



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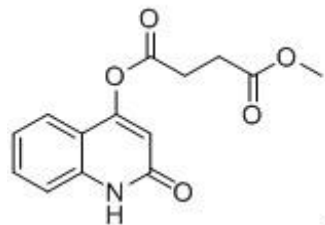
Current Data Parameters
NAME SYP-N-13
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters
Date_ 20120925
Time 17.50
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 203
DW 60.800 usec
DE 6.50 usec
TE 298.0 K
D1 1.00000000 sec

==== CHANNEL f1 =====
NUC1 1H
P1 14.50 usec
PLW1 12.85299969 W
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 65536
SF 400.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

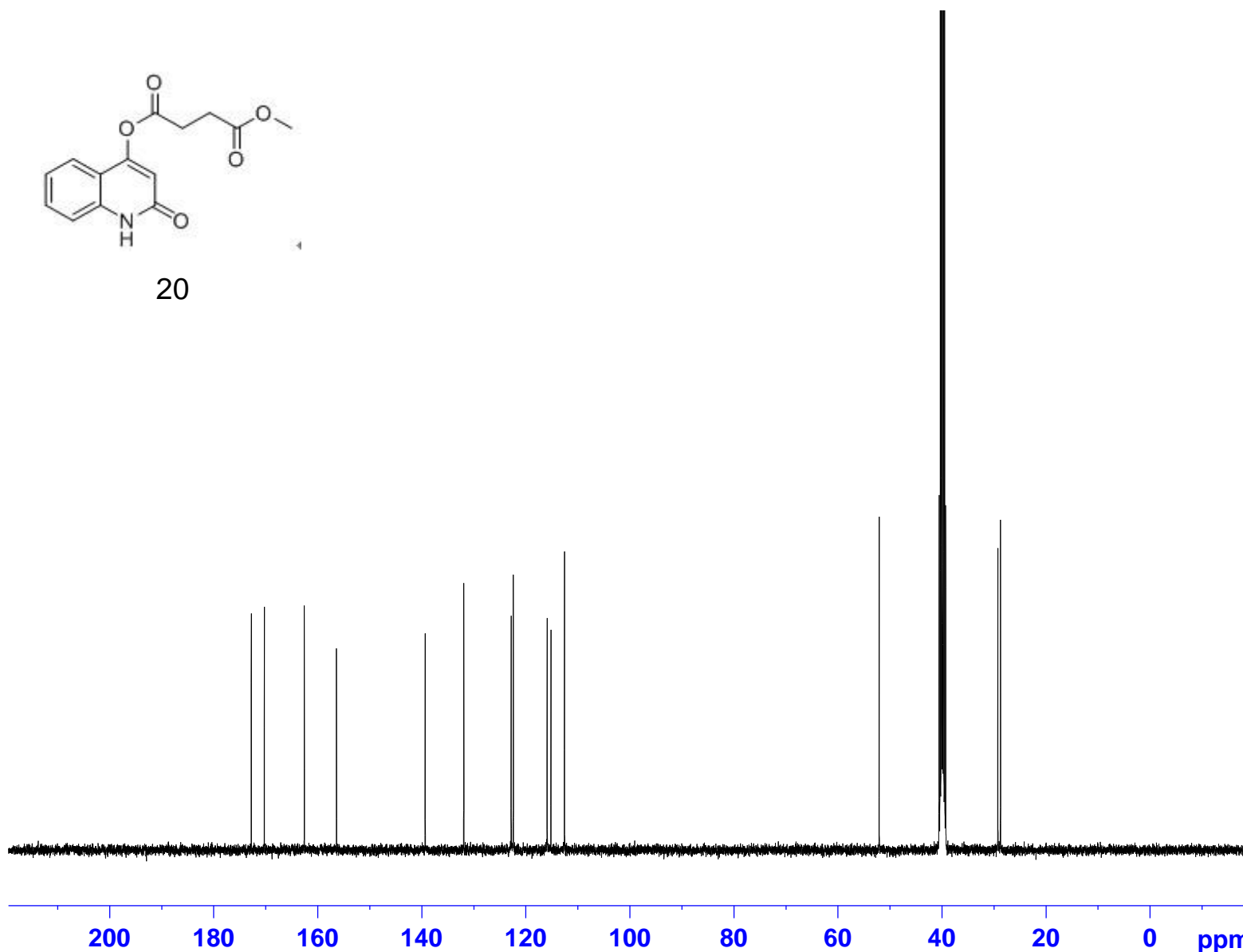
S20121106-074
 20121108
 C13CPD DMSO D:\nmr_data ham



20

172.84
 170.34
 162.64
 156.47
 139.41
 131.99
 122.88
 122.48
 115.97
 115.23
 112.64

52.14
 40.61
 40.40
 40.19
 39.98
 39.77
 39.57
 39.36
 29.33
 28.82



Current Data Parameters
 NAME S-18
 EXPNO 10
 PROCNO 1

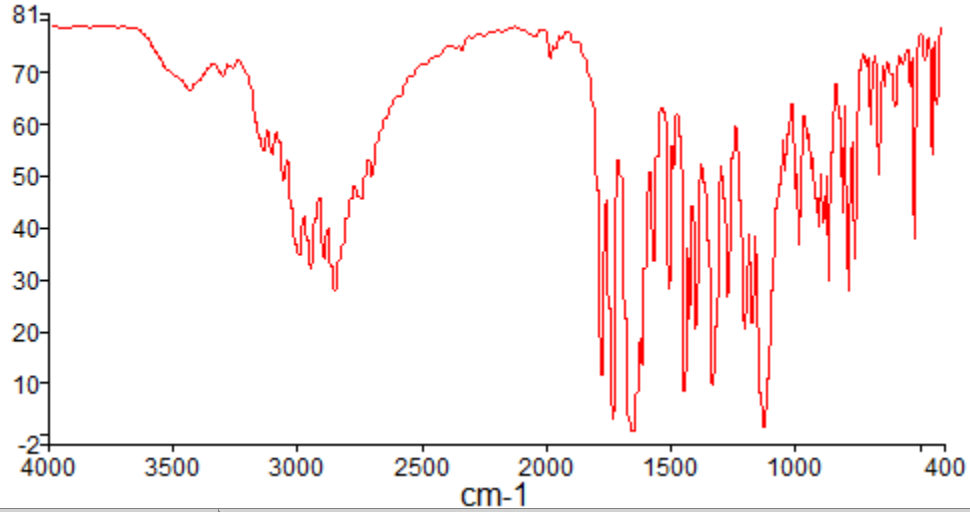
F2 - Acquisition Parameters
 Date_ 20121109
 Time 2.06
 INSTRUM spect
 PROBHD 5 mm PABBO BB-
 PULPROG zgpg30
 TD 65536
 SOLVENT DMSO
 NS 1024
 DS 4
 SWH 24038.461 Hz
 FIDRES 0.366798 Hz
 AQ 1.3631988 sec
 RG 203
 DW 20.800 usec
 DE 6.50 usec
 TE 298.0 K
 D1 2.0000000 sec
 D11 0.0300000 sec

==== CHANNEL f1 =====
 NUC1 13C
 P1 9.65 usec
 PLW1 49.65900040 W
 SFO1 100.6228293 MHz

==== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 90.00 usec
 PLW2 12.85299969 W
 PLW12 0.34196001 W
 PLW13 0.27699000 W
 SFO2 400.1316005 MHz

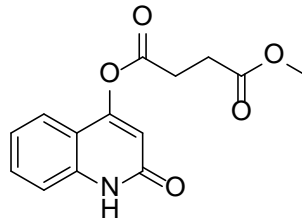
F2 - Processing parameters
 SI 32768
 SF 100.6127690 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

Spectrum Graph



名称	说明
S20121127-068-S18	

Search Result Peak Table Results



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频谱名
S20121127-068-S18

峰值名	X	Y
51	421.09	63.88
50	443.14	54.28
49	471.64	72.28
48	513.05	38.12
47	529.17	67.42
46	589.63	63.53
45	631.23	67.18
44	657.64	50.29
43	690.05	59.85
42	752.81	34.24

41	773.1	27.92
40	781.76	39.3
39	805.27	42.85
38	854.59	29.99
37	870.4	42.5
36	879.75	41.07
35	896.78	40.48
34	932.04	51.52
33	979.37	36.85
32	994.03	47.83
31	1032.83	51.07
30	1117.12	1.28
29	1146.99	19.87
28	1167.61	21.84
27	1188.84	20.57
26	1195.76	21.24
25	1269.84	26.83
24	1329.1	9.77
23	1396.97	20.11
22	1421.83	22.25
21	1441.3	8.43
20	1483.91	51.63
19	1502.52	27.99
18	1565.71	33.52
17	1612.69	13.13
16	1650.99	0.38
15	1733.47	2.73
14	1772.18	11.37
13	1778.57	12.15
12	1982.58	72.68
11	2709.6	50.13
10	2747.19	45.64
9	2856.39	27.86
8	2897.32	34.02
7	2955.02	32.11
6	3001.08	34.83
5	3066.79	49.03
4	3107.54	54.24
3	3143.77	55
2	3311.36	69.47
1	3439.19	66.66

S20121106-059

20121106

PROTON DMSO D₆ \nmr_data ham

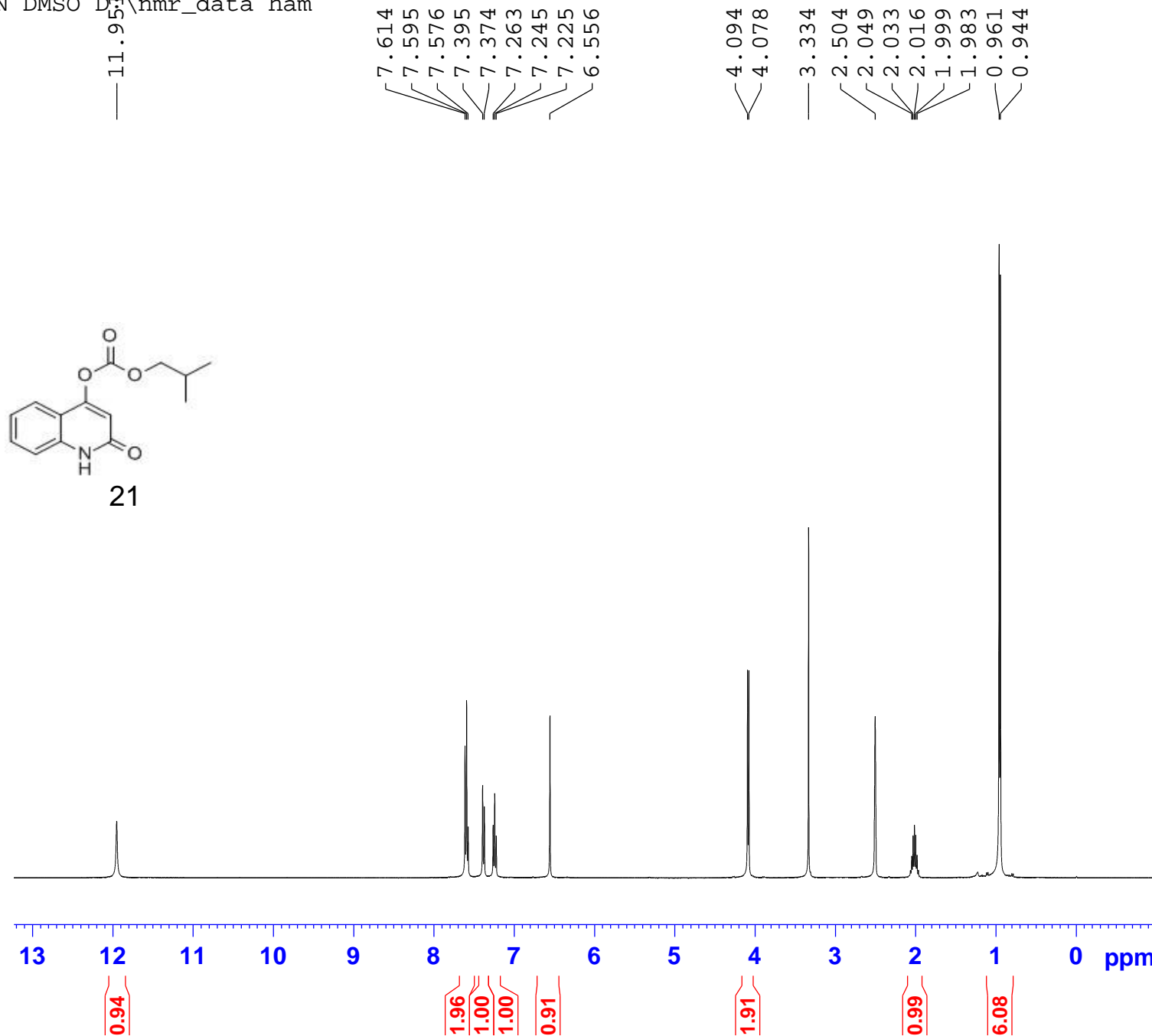


Current Data Parameters
NAME S21
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters
Date_ 20121107
Time 3.28
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 203
DW 60.800 usec
DE 6.50 usec
TE 297.9 K
D1 1.00000000 sec

==== CHANNEL f1 =====
NUC1 1H
P1 14.50 usec
PLW1 12.85299969 W
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 65536
SF 400.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



S20121106-059

20121106

C13CPD DMSO D:\nmr_data\ham



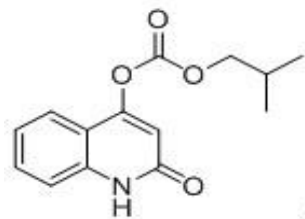
Current Data Parameters
NAME S21
EXPNO 11
PROCNO 1

F2 - Acquisition Parameters
Date_ 20121107
Time 4.28
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 1024
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631988 sec
RG 203
DW 20.800 usec
DE 6.50 usec
TE 298.1 K
D1 2.0000000 sec
D11 0.0300000 sec

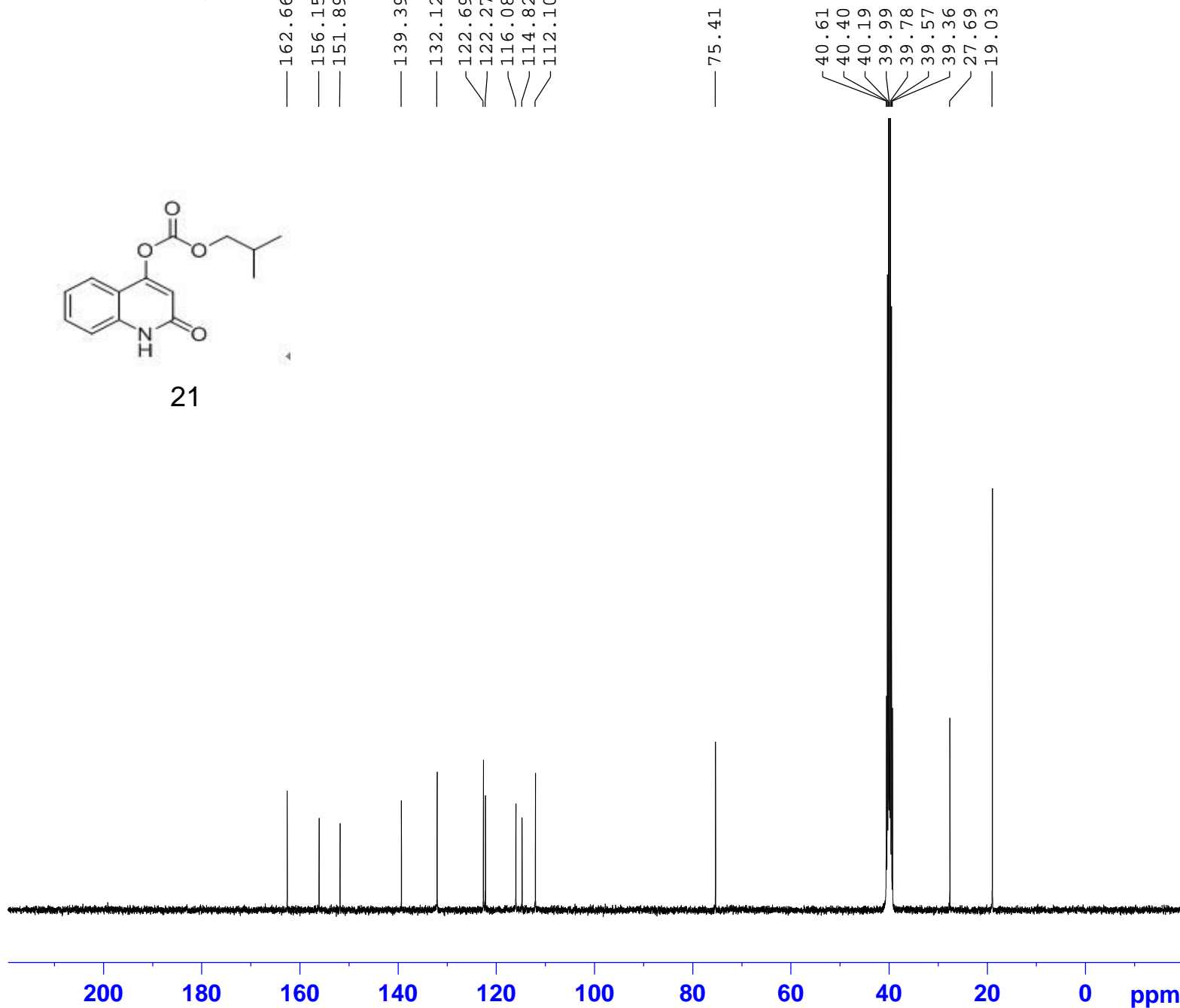
=====
CHANNEL f1
NUC1 13C
P1 9.65 usec
PLW1 49.65900040 W
SFO1 100.6228293 MHz

=====
CHANNEL f2
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 12.85299969 W
PLW12 0.34196001 W
PLW13 0.27699000 W
SFO2 400.1316005 MHz

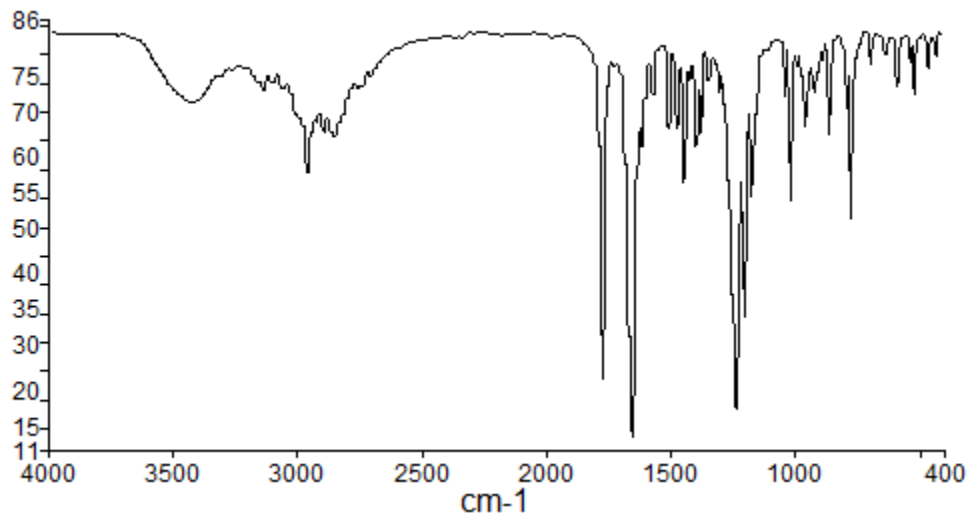
F2 - Processing parameters
SI 32768
SF 100.6127690 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



21

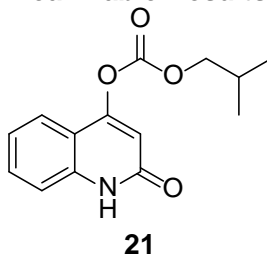


Spectrum Graph



名称	说明
S20121127-071-S21	

Search Result
Peak Table Results



频谱名
S20121127-071-S21

峰值名	X	Y
36	421.47	79.95
35	452.08	77.95
34	517.04	73.54
33	532.61	79.07
32	581.89	74.9
31	627.01	80.3
30	691	78.81
29	759.36	68.1
28	771.61	51.47
27	787.45	71

26	856.87	66.62
25	910.12	73.72
24	946.49	70.95
23	959.9	68.05
22	1010.02	55.14
21	1034.43	72.97
20	1157.96	66.08
19	1170.58	55.74
18	1195.99	34.7
17	1231.04	18.34
16	1303.28	73.95
15	1340.54	75.79
14	1377.72	65.6
13	1393.57	64.57
12	1443.67	57.7
11	1470.69	67.57
10	1504.63	67.7
9	1567.51	73.36
8	1609.15	64.15
7	1655.19	13.2
6	1774.14	23.53
5	2859.17	65.84
4	2897.84	66.69
3	2965.5	59.65
2	3144.59	74.23
1	3435.65	71.92

S20121106-060

20121106

PROTON DMSO D:\nmr\data/ham

7.843
7.824
7.735
7.727
7.717
7.707
7.680
7.672
7.650
7.590
7.407
7.401
7.325
6.748

3.882
3.673
3.327
2.505

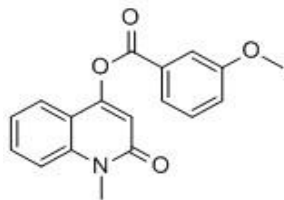


Current Data Parameters
NAME S22
EXPNO 10
PROCNO 1

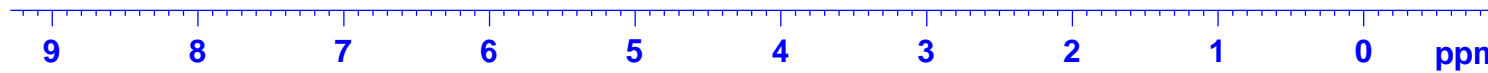
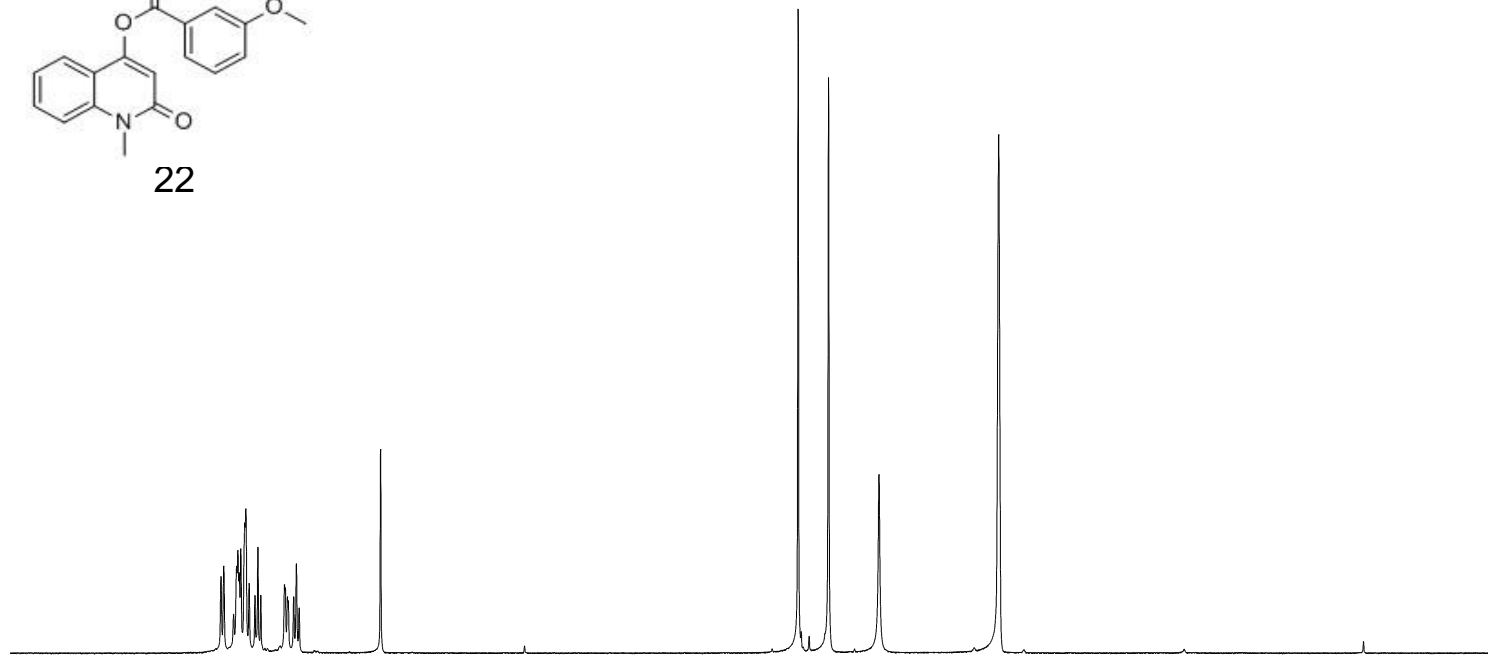
F2 - Acquisition Parameters
Date_ 20121107
Time 4.32
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 203
DW 60.800 usec
DE 6.50 usec
TE 298.0 K
D1 1.00000000 sec

==== CHANNEL f1 =====
NUC1 1H
P1 14.50 usec
PLW1 12.85299969 W
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 65536
SF 400.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



22



1.02
3.92
1.05
1.04
0.94
0.88

3.00
2.87

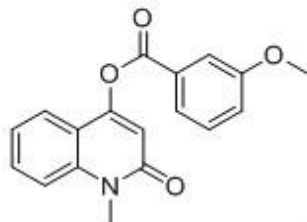
S20121106-060

20121106

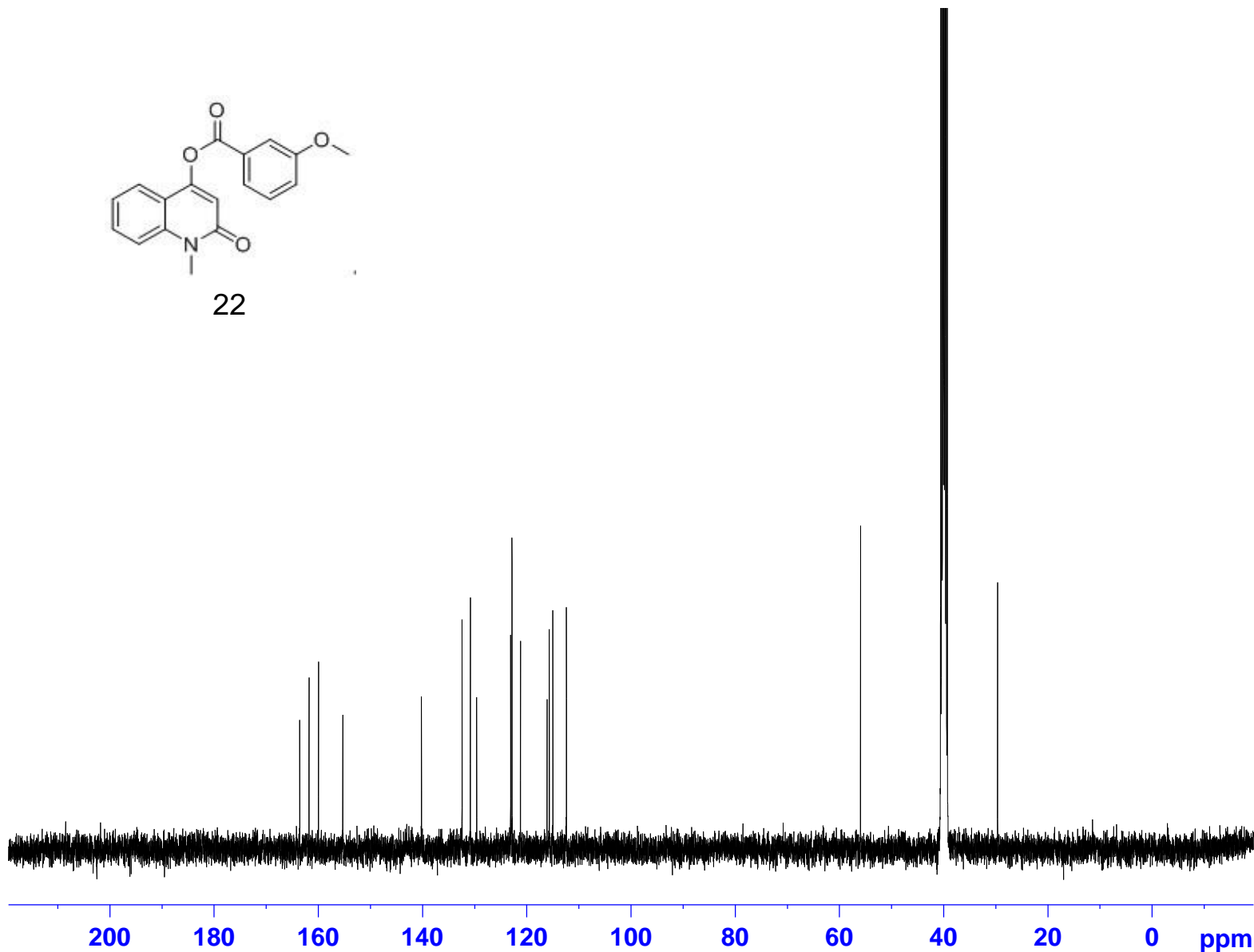
C13CPD DMSO D:\nmr_data ham

163.63
161.85
160.02
155.36
140.27
132.49
130.89
129.68
123.15
122.90
122.88
121.26
116.15
115.74
115.06
112.46

56.02
40.62
40.41
40.20
39.99
39.79
39.58
39.37
29.71



22



Current Data Parameters
NAME S22
EXPNO 11
PROCNO 1

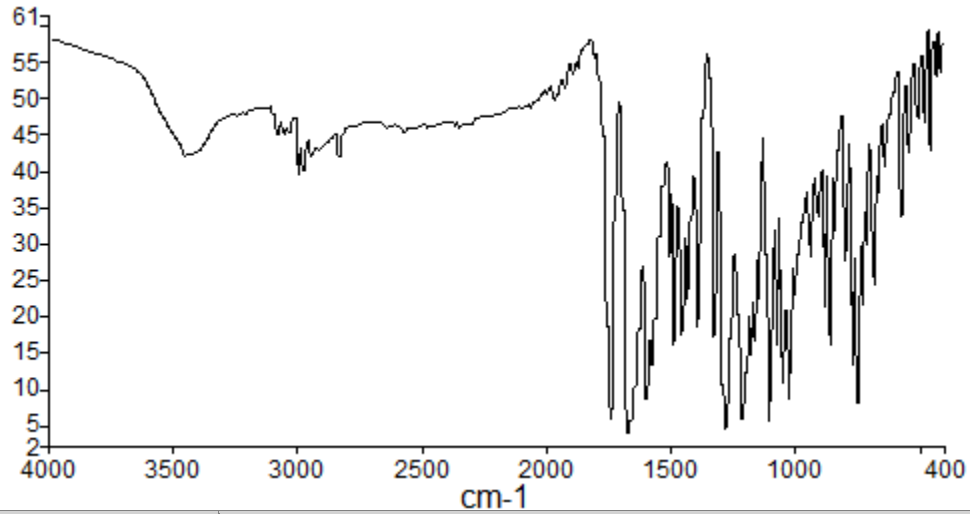
F2 - Acquisition Parameters
Date_ 20121107
Time 5.32
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 1024
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631988 sec
RG 203
DW 20.800 usec
DE 6.50 usec
TE 298.3 K
D1 2.0000000 sec
D11 0.0300000 sec

==== CHANNEL f1 =====
NUC1 13C
P1 9.65 usec
PLW1 49.65900040 W
SFO1 100.6228293 MHz

==== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 12.85299969 W
PLW12 0.34196001 W
PLW13 0.27699000 W
SFO2 400.1316005 MHz

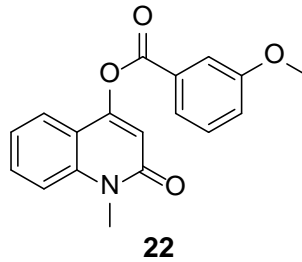
F2 - Processing parameters
SI 32768
SF 100.6127690 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

Spectrum Graph



名称	说明
S20121127-072-S22	

Search Result Peak Table Results



频谱名
S20121127-072-S22

峰值名	X	Y
58	408.88	54.03
57	424.56	53.34
56	446.93	42.97
55	474.23	47.11
54	498.61	47.67
53	535.71	42.74
52	564.84	34.15
51	634.25	40.85
50	661.69	37.15

49	675.33	24.6
48	688.87	30.61
47	708.11	29.94
46	721.41	21.75
45	740.38	8.04
44	753.44	17.81
43	765.18	13.39
42	791.26	27.74
41	829.02	31.93
40	851.94	16.34
39	874.83	21.58
38	900.14	33.94
37	931.74	28.48
36	948.35	32.92
35	993.44	23.05
34	1023.4	8.74
33	1043.63	10.98
32	1066.55	16.31
31	1087.41	17.13
30	1102	5.45
29	1141.55	22.5
28	1159.45	16.82
27	1170.77	14.75
26	1200.02	6.09
25	1212.36	5.84
24	1274.57	4.44
23	1321.68	17.39
22	1390.69	18.68
21	1421.09	27.24
20	1432.91	22.41
19	1445.83	20.28
18	1456.83	17.61
17	1486.99	15.86
16	1502.19	28.29
15	1568.54	13.13
14	1583.54	10.91
13	1595.99	8.43
12	1629.15	16.24
11	1663.59	3.75
10	1741.75	5.74
9	1961.69	50.1
8	2575.32	45.7
7	2837.39	42.23
6	2948.95	42.28
5	2980.65	40.06
4	3002.56	39.5

3	3060.89	45.36
2	3088.53	45.42
1	3460.1	42.28

S20121106-058

20121106

PROTON DMSO

8.168
7.738
7.731
7.728
7.721
7.714
7.708
7.702
7.641
7.620
7.385
7.375
7.373
7.363
7.342
7.322
7.304
6.757

3.651

3.347

2.510

2.505

2.501

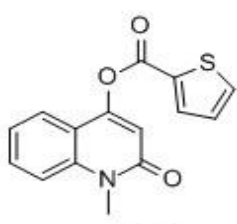


Current Data Parameters
NAME S20
EXPNO 10
PROCNO 1

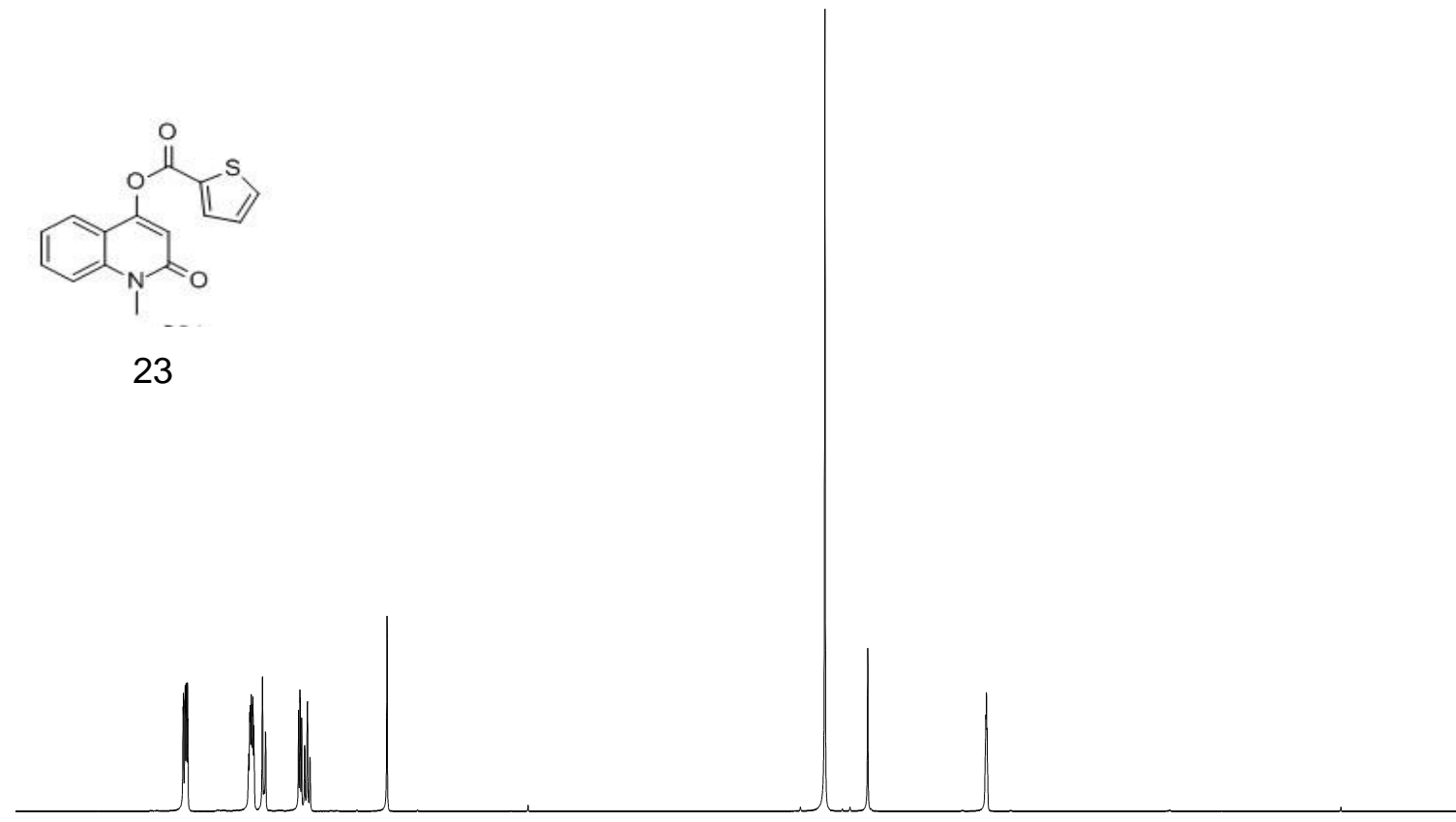
F2 - Acquisition Parameters
Date_ 20121107
Time 2.24
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 114
DW 60.800 usec
DE 6.50 usec
TE 298.0 K
D1 1.0000000 sec

==== CHANNEL f1 =====
NUC1 1H
P1 14.50 usec
PLW1 12.85299969 W
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 65536
SF 400.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



23



9 8 7 6 5 4 3 2 1 0 ppm

1.91
2.00
1.00
1.02
0.96
0.89

2.97

S20121106-058

20121106

C13CPD DMSO D:\nmr_data ham



Current Data Parameters
NAME S20
EXPNO 11
PROCNO 1

F2 - Acquisition Parameters
Date_ 20121107
Time 3.24
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 1024
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631988 sec
RG 203
DW 20.800 usec
DE 6.50 usec
TE 298.5 K
D1 2.0000000 sec
D11 0.0300000 sec

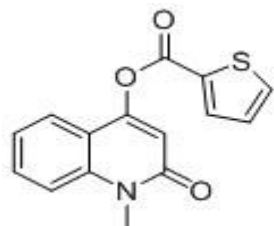
==== CHANNEL f1 =====
NUC1 13C
P1 9.65 usec
PLW1 49.65900040 W
SFO1 100.6228293 MHz

==== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 12.85299969 W
PLW12 0.34196001 W
PLW13 0.27699000 W
SFO2 400.1316005 MHz

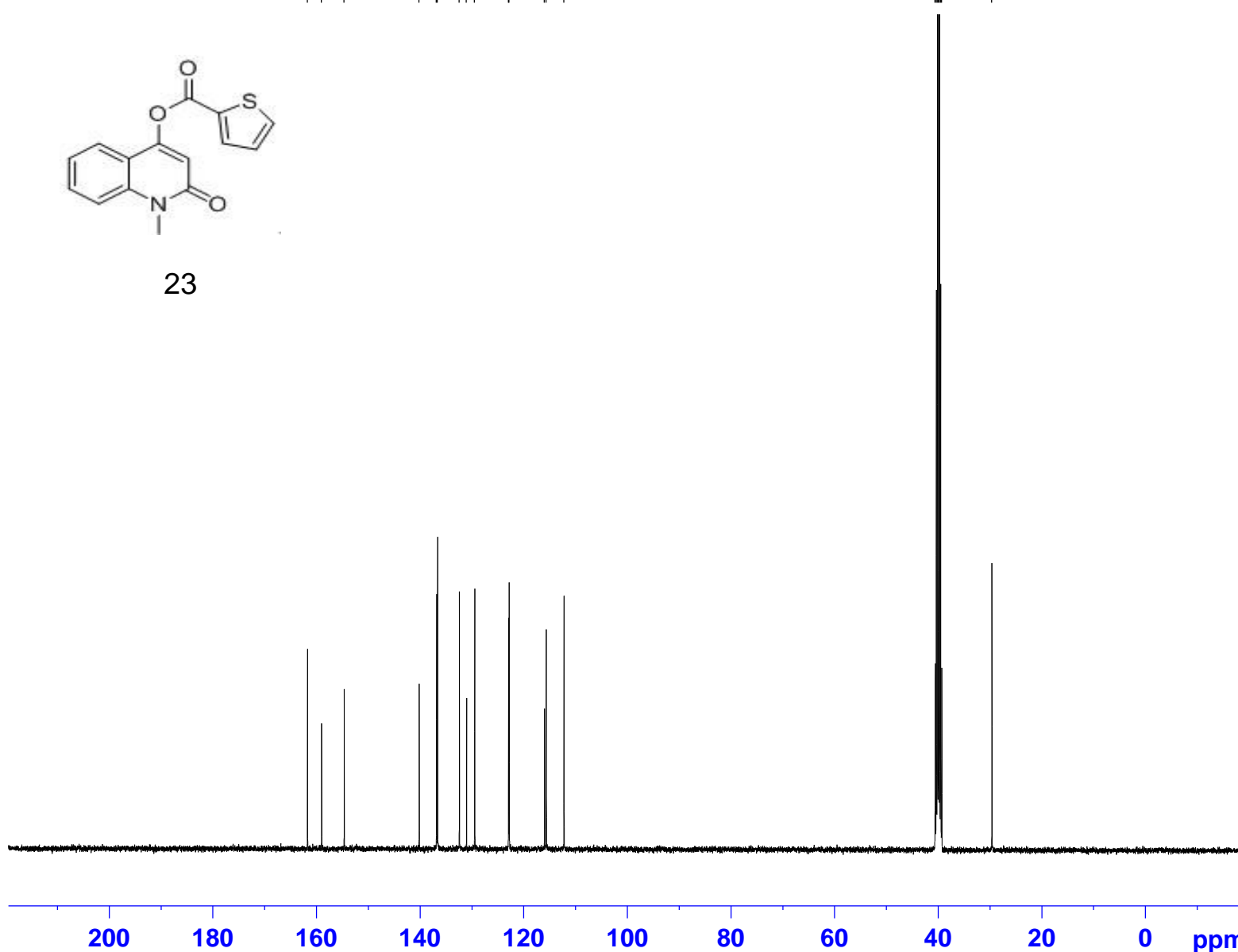
F2 - Processing parameters
SI 32768
SF 100.6127690 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

161.79
159.07
154.71
140.23
136.88
136.68
132.48
131.09
129.51
122.98
122.86
116.05
115.71
112.28

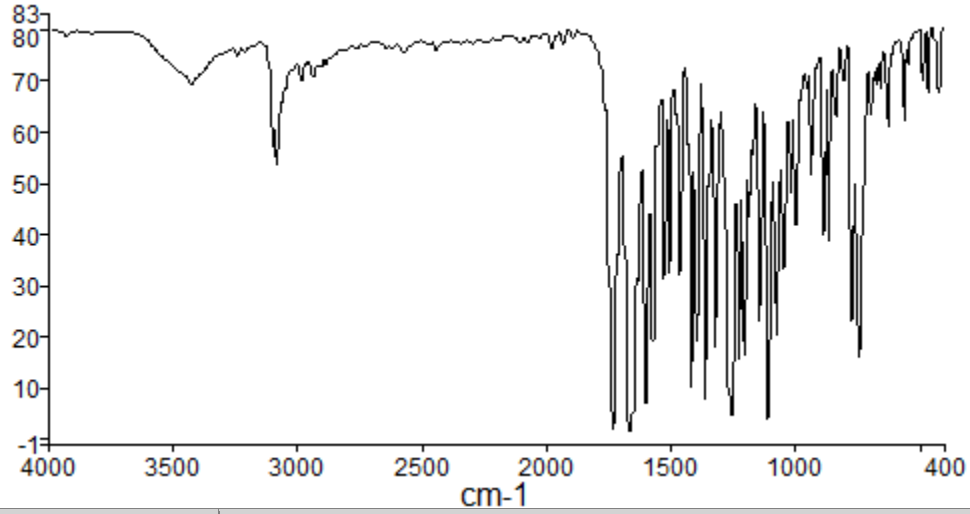
40.62
40.41
40.20
40.00
39.79
39.58
39.37
29.69



23

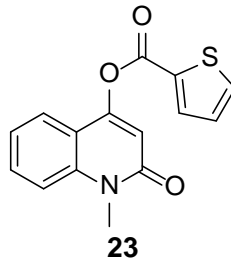


Spectrum Graph



名称	说明
S20121127-070-S20	

Search Result
Peak Table Results



频谱名
S20121127-070-S20

峰值名	X	Y
51	414.79	68.1
50	454.8	68.19
49	478.9	70.39
48	532.29	73.65
47	548.63	62.73
46	618.43	61.66
45	631.72	72.33
44	651.18	68.95
43	663.07	69.63

42	673.56	68.57
41	687.47	64.05
40	720.99	37.43
39	732.72	18.18
38	739.21	16.26
37	752.08	25.62
36	766.01	23.16
35	797.22	70.46
34	828.95	63.61
33	856.45	38.7
32	879.13	40.21
31	930.11	52.31
30	947.53	68.98
29	990.24	42.09
28	1015.02	48.68
27	1039.43	33.47
26	1065.04	20.3
25	1104.74	3.49
24	1138.01	23.07
23	1176.34	43.39
22	1197.53	16.41
21	1222.14	15.64
20	1249.38	4.24
19	1261.64	7.93
18	1269.96	11.52
17	1321.1	18.27
16	1354.46	7.71
15	1389.73	19.21
14	1412.66	9.99
13	1460.42	32.26
12	1501.14	32.51
11	1523.58	31.4
10	1569.44	19.24
9	1596.03	6.64
8	1663.33	1.13
7	1733.46	1.66
6	1975.49	76.9
5	2945.27	71.21
4	2988.41	70.51
3	3091.7	53.55
2	3103.16	57.41
1	3436.71	69.81