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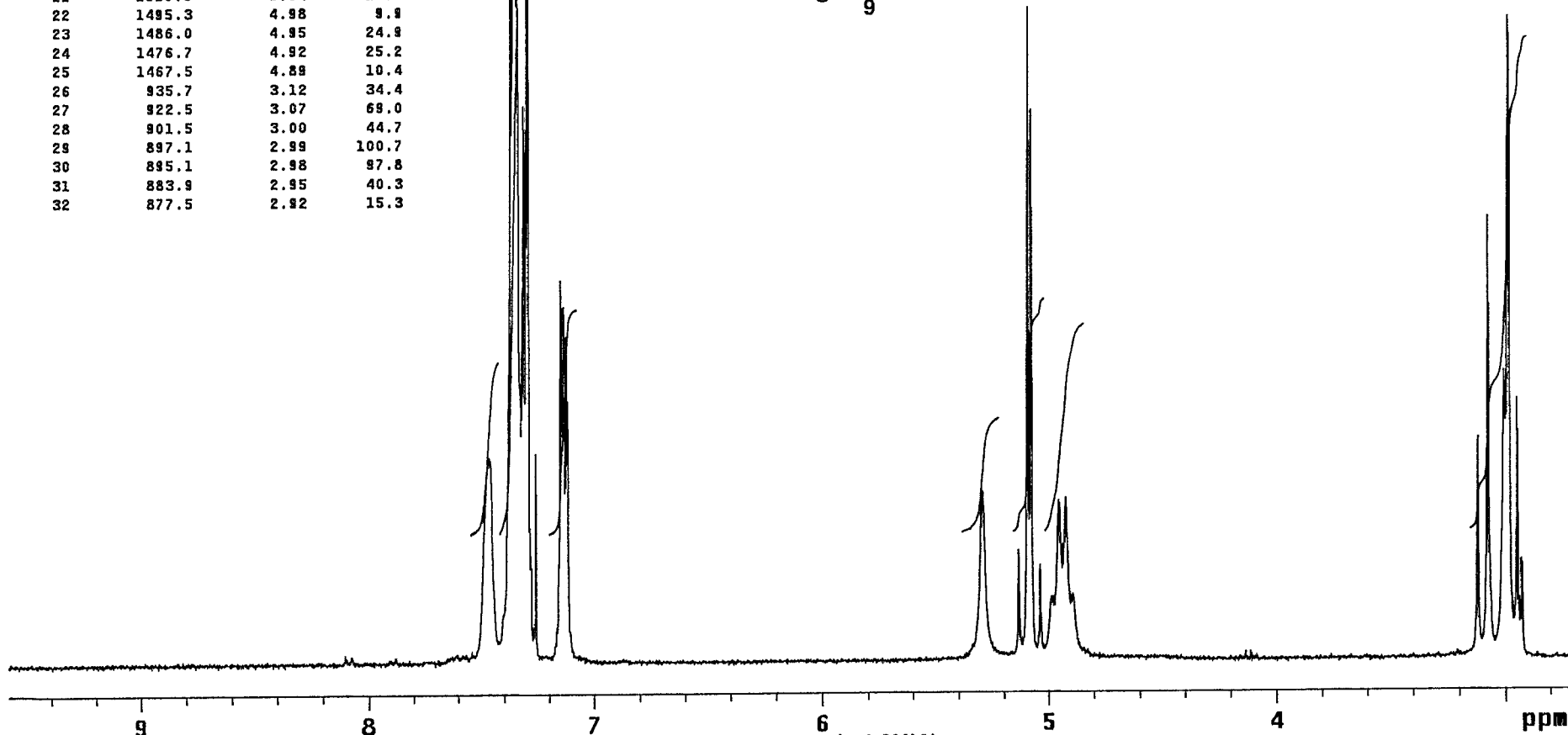
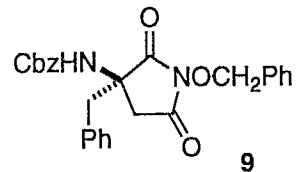
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Aug 4 84 a6367h mdo-4-72(b2)

SPECTRAL LINES FOR TH-
rf1= 423.8, rfp= 0.0

INDEX	FREQ.(Hz)	PPM	HEIGHT
1	2240.0	7.47	31.9
2	2212.2	7.37	112.6
3	2208.3	7.36	130.3
4	2205.8	7.35	168.4
5	2202.9	7.34	106.3
6	2199.0	7.33	43.5
7	2195.1	7.32	87.2
8	2193.6	7.31	83.4
9	2190.2	7.30	137.2
10	2188.3	7.29	142.6
11	2184.3	7.28	16.4
12	2178.0	7.26	32.4
13	2145.3	7.15	59.6
14	2141.4	7.14	55.4
15	2137.5	7.12	50.7
16	2135.5	7.12	40.6
17	1588.6	5.29	26.3
18	1540.2	5.13	17.1
19	1528.0	5.09	102.5
20	1523.1	5.08	86.2
21	1510.9	5.04	14.8
22	1495.3	4.98	9.9
23	1486.0	4.95	24.9
24	1476.7	4.92	25.2
25	1467.5	4.89	10.4
26	935.7	3.12	34.4
27	922.5	3.07	69.0
28	901.5	3.00	44.7
29	897.1	2.99	100.7
30	895.1	2.98	97.8
31	883.9	2.95	40.3
32	877.5	2.92	15.3

300 MHz
SW = 4000
AT = 2.000fa = 63
dl = 0.000
ct = 32dof = 0
dm = nnn
dpwr = 10fn = 16384
temp = 23
solvent CDCl3

mdo-4-72(b2)

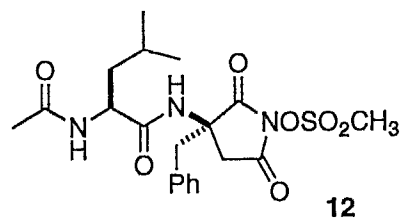
Aug 4 84
a6367h

Sep 5 85 b5487h
SPECTRAL LINES FOR TH-
rfl= 421.4, rfp= 0.0

mdo-5-73(w1)-cl

INDEX	FREQ.(Hz)	PPM	HEIGHT
1	2217.1	7.39	11.3
2	2213.2	7.38	41.8
3	2211.2	7.37	45.2
4	2207.8	7.36	89.3
5	2205.8	7.35	89.6
6	2201.4	7.34	10.8
7	2193.6	7.31	5.6
8	2191.7	7.30	5.5
9	2179.0	7.26	285.3
10	2161.9	7.21	44.6
11	2159.0	7.20	35.6
12	2154.1	7.18	39.0
13	2152.1	7.17	31.2
14	2091.1	6.97	41.9
15	1714.6	5.71	19.9
16	1707.2	5.69	21.4
17	1323.9	4.41	8.2
18	1315.6	4.38	19.8
19	1309.7	4.37	18.5
20	1307.8	4.36	15.3
21	1301.9	4.34	11.8
22	992.8	3.31	382.6
23	985.0	3.28	37.1
24	971.3	3.24	52.1
25	923.5	3.08	56.7
26	910.3	3.03	36.6
27	900.5	3.00	204.6
28	871.2	2.90	5.7
29	603.1	2.01	297.5
30	516.7	1.72	5.9
31	508.8	1.70	13.7
32	503.0	1.68	17.6
33	497.1	1.66	20.7
34	494.2	1.65	19.6
35	491.3	1.64	19.5
36	484.4	1.61	11.1
37	477.1	1.59	7.0

INDEX	FREQ.(Hz)	PPM	HEIGHT
38	468.8	1.56	200.6
39	458.6	1.53	9.3
40	454.2	1.51	15.1
41	445.4	1.48	17.9
42	437.6	1.46	11.4
43	376.0	1.25	10.9
44	285.7	0.95	109.3
45	279.3	0.93	112.9
46	276.9	0.92	118.7
47	271.0	0.90	96.3



12

300 MHz
sw = 4000
at = 2.000

fa = 63
dl = 0.000
cl = 128

dof = 3
dm = nnn
dpwr = 10

fn = 16384
temp = 23
solvent CDCl₃

mdo-5-73(w1)-cl

Sep 5 85
b5487h

ppm

Jun 30 85

b3300h1

mdo-5-45(b2) diluted

SPECTRAL LINES FOR TH-

rf1= 423.8, rfp=

INDEX	FREQ.(Hz)	PPM	HEIGHT
1	2243.4	7.48	35.3
2	2238.5	7.46	38.4
3	2237.6	7.46	38.1
4	2210.2	7.37	71.5
5	2206.8	7.36	82.1
6	2203.9	7.35	70.0
7	2201.4	7.34	56.1
8	2195.1	7.32	84.0
9	2178.5	7.26	375.0
10	2158.4	7.20	90.6
11	2152.1	7.17	45.7
12	1710.2	5.70	22.0
13	1702.4	5.67	22.9
14	1484.8	4.88	22.2
15	1485.0	4.95	73.7
16	1477.2	4.92	72.3
17	1467.5	4.88	22.6
18	1334.6	4.45	10.6
19	1326.3	4.42	20.6
20	1320.5	4.40	19.9
21	1312.2	4.37	11.1
22	915.2	3.05	9.3
23	902.0	3.01	81.0
24	889.0	3.00	81.3
25	885.8	2.95	10.1
26	873.6	2.91	155.7
27	624.6	2.08	279.1
28	521.1	1.74	7.4
29	513.2	1.71	13.8
30	507.4	1.69	18.1
31	500.5	1.67	20.6
32	494.2	1.65	20.7
33	486.4	1.62	15.1
34	480.0	1.60	18.1
35	466.4	1.55	526.2
36	457.6	1.53	19.3
37	452.2	1.51	13.1

diluted

INDEX

FREQ.(Hz)

PPM

HEIGHT

38

448.8

1.50

14.2

38

443.8

1.48

19.1

40

439.0

1.46

8.3

41

435.6

1.45

11.1

42

376.0

1.25

6.0

43

279.8

0.93

130.8

44

273.0

0.91

153.5

45

271.5

0.90

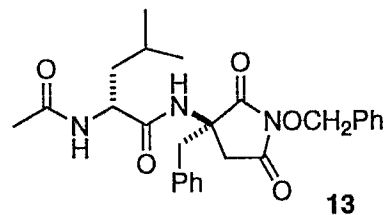
152.9

46

265.2

0.88

121.8



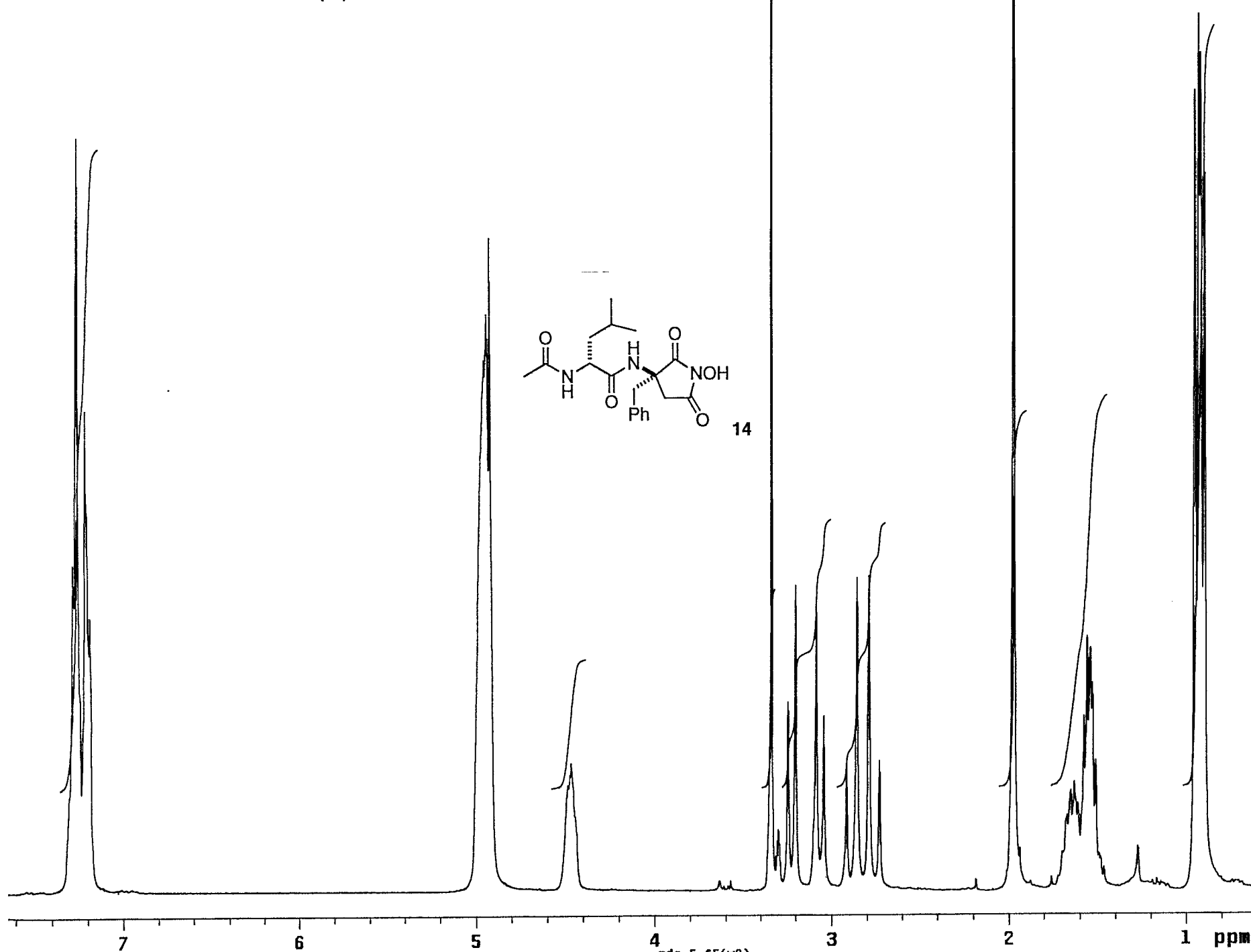
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 dm = nnn
 dpwr = 10
 fn = 16384
 temp = 23
 solvent CDCl₃
 mdo-5-45(b2) diluted
 Jun 30 85
 b3300h1

Jul 27 95

b4125h

mdo-5-85(w2)

Department of Chemistry, University of Canterbury



300 MHz
sw = 4000
at = 2.000

fa = 63
dl = 0.000
ct = 32

dof = 0
dm = nnn
dpwr = 10

fn = 16384
temp = 23
solvent CD3OD

mdo-5-85(w2)

Jul 27 95
b4125h

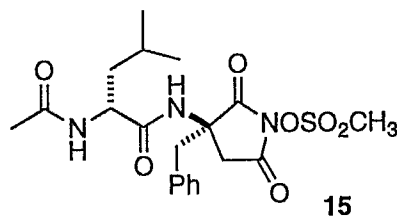
ppm

Aug 31 95 b5371h
SPECTRAL LINES FOR TH-
rf1= 421.4, rfp= 0.0

INDEX	FREQ.(Hz)	PPM	HEIGHT
1	2224.9	7.42	39.3
2	2215.1	7.38	46.5
3	2208.8	7.36	89.1
4	2179.0	7.26	313.6
5	2178.0	7.26	272.6
6	2172.1	7.24	50.2
7	2169.7	7.23	43.9
8	2164.3	7.21	40.9
9	1711.1	5.70	16.0
10	1703.3	5.68	16.9
11	1591.0	5.30	20.2
12	1334.1	4.45	10.0
13	1325.4	4.42	21.8
14	1319.5	4.40	20.2
15	1311.7	4.37	10.6
16	1175.9	3.92	5.3
17	991.3	3.30	315.9
18	957.1	3.19	26.8
19	944.0	3.15	60.4
20	923.9	3.08	63.0
21	910.3	3.03	37.7
22	906.8	3.02	200.0
23	622.6	2.08	317.3
24	523.5	1.74	7.9
25	515.7	1.72	13.9
26	509.8	1.70	19.7
27	503.0	1.68	19.4
28	496.6	1.66	20.9
29	491.8	1.64	9.3
30	485.4	1.62	14.1
31	479.1	1.60	16.9
32	472.2	1.57	15.4
33	465.9	1.55	306.2
34	464.4	1.55	205.1
35	458.1	1.53	20.2
36	452.2	1.51	11.1
37	449.3	1.50	16.2

mdo-5-72(w1)-cl.f1 dilute

INDEX	FREQ.(Hz)	PPM	HEIGHT
38	444.4	1.48	19.6
39	440.0	1.47	9.0
40	436.1	1.45	11.7
41	430.7	1.44	7.5
42	376.5	1.25	21.4
43	277.9	0.93	142.3
44	271.5	0.90	143.8
45	268.6	0.90	153.9
46	262.2	0.87	135.4



300 MHz
sw = 4000
at = 2.000

fa = 63
dl = 0.000
ct = 641

dof = 0
dw = nnn
dpwr = 10

fn = 16384
temp = 23
solvent CDC13

mdo-5-72(w1)-cl.f1 dilute

Aug 31 95
b5371h

ppm

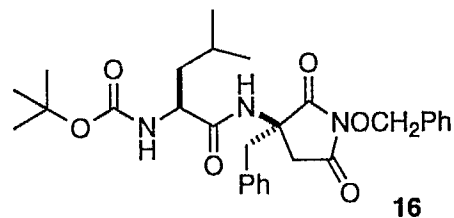
Jan 13 95 a9248h mdo-5-6(b2)

SPECTRAL LINES FOR TH-

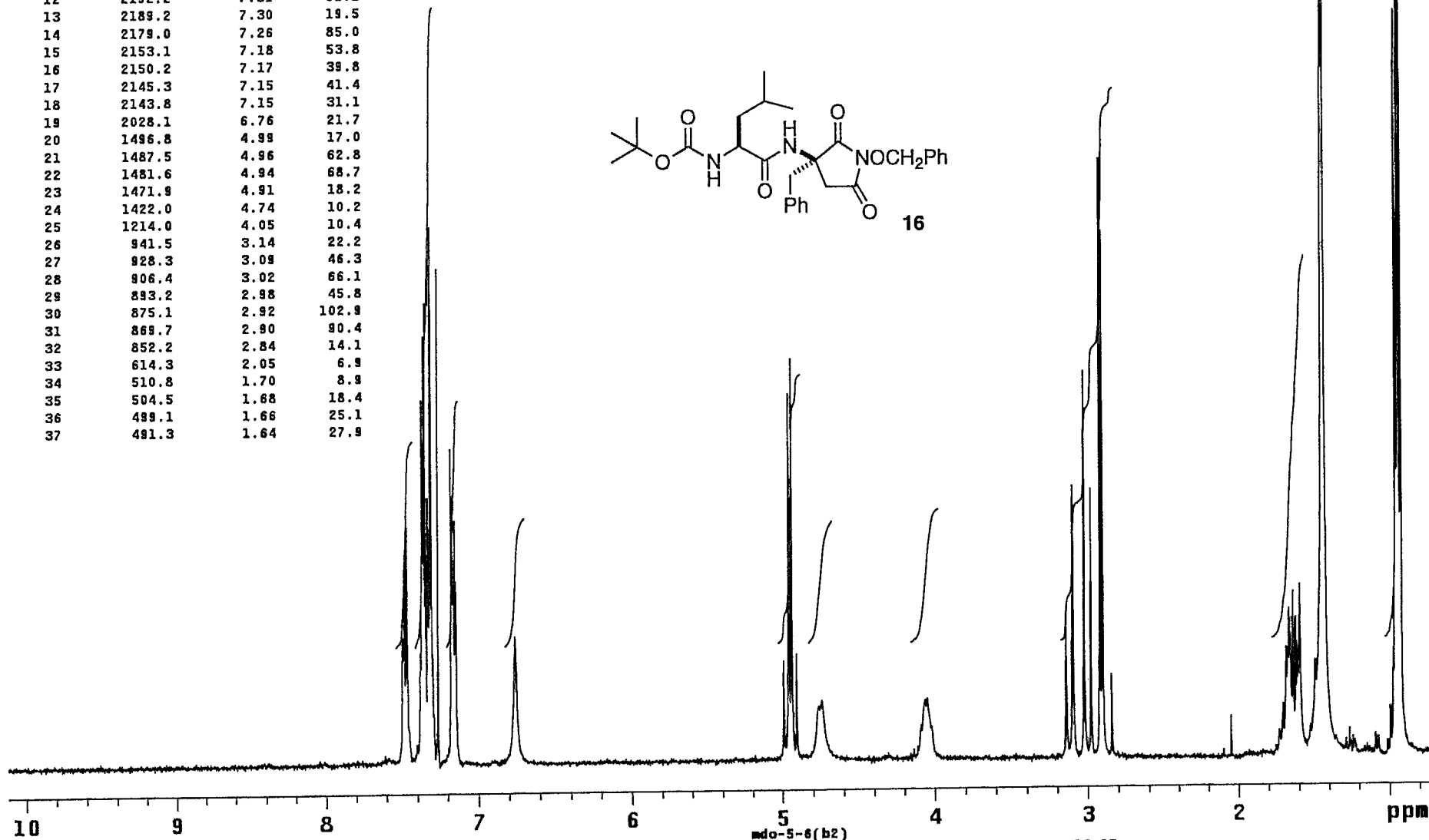
rfl= 422.9, rfp=

INDEX	FREQ.(Hz)	PPM	HEIGHT
1	2248.8	7.50	23.4
2	2244.9	7.48	34.4
3	2241.5	7.47	38.0
4	2239.0	7.46	40.5
5	2213.6	7.38	19.2
6	2211.2	7.37	62.3
7	2208.8	7.36	39.1
8	2207.3	7.36	73.4
9	2204.4	7.35	79.0
10	2199.5	7.33	45.5
11	2194.1	7.31	85.8
12	2192.2	7.31	92.2
13	2189.2	7.30	19.5
14	2179.0	7.26	85.0
15	2153.1	7.18	53.8
16	2150.2	7.17	39.8
17	2145.3	7.15	41.4
18	2143.8	7.15	31.1
19	2028.1	6.76	21.7
20	1496.8	4.99	17.0
21	1487.5	4.96	62.8
22	1481.6	4.94	68.7
23	1471.9	4.91	18.2
24	1422.0	4.74	10.2
25	1214.0	4.05	10.4
26	941.5	3.14	22.2
27	928.3	3.09	46.3
28	906.4	3.02	66.1
29	893.2	2.98	45.8
30	875.1	2.92	102.9
31	869.7	2.90	90.4
32	852.2	2.84	14.1
33	614.3	2.05	6.9
34	510.8	1.70	8.9
35	504.5	1.68	18.4
36	499.1	1.66	25.1
37	491.3	1.64	27.9

INDEX	FREQ.(Hz)	PPM	HEIGHT
38	485.9	1.62	23.6
39	483.0	1.61	16.9
40	477.6	1.59	29.1
41	447.3	1.49	16.4
42	432.2	1.44	434.7
43	378.0	1.26	4.6
44	297.4	0.99	8.3
45	291.1	0.97	18.2
46	287.1	0.96	127.9
47	282.3	0.94	172.4
48	281.3	0.94	169.4
49	276.4	0.92	135.5



16



300 MHz
sw = 4000
at = 2.000

fa = 63
dl = 0.000
ct = 32

dof = 0
dm = nnn
dpwr = 10

fn = 18384
temp = 23
solvent CDCl3

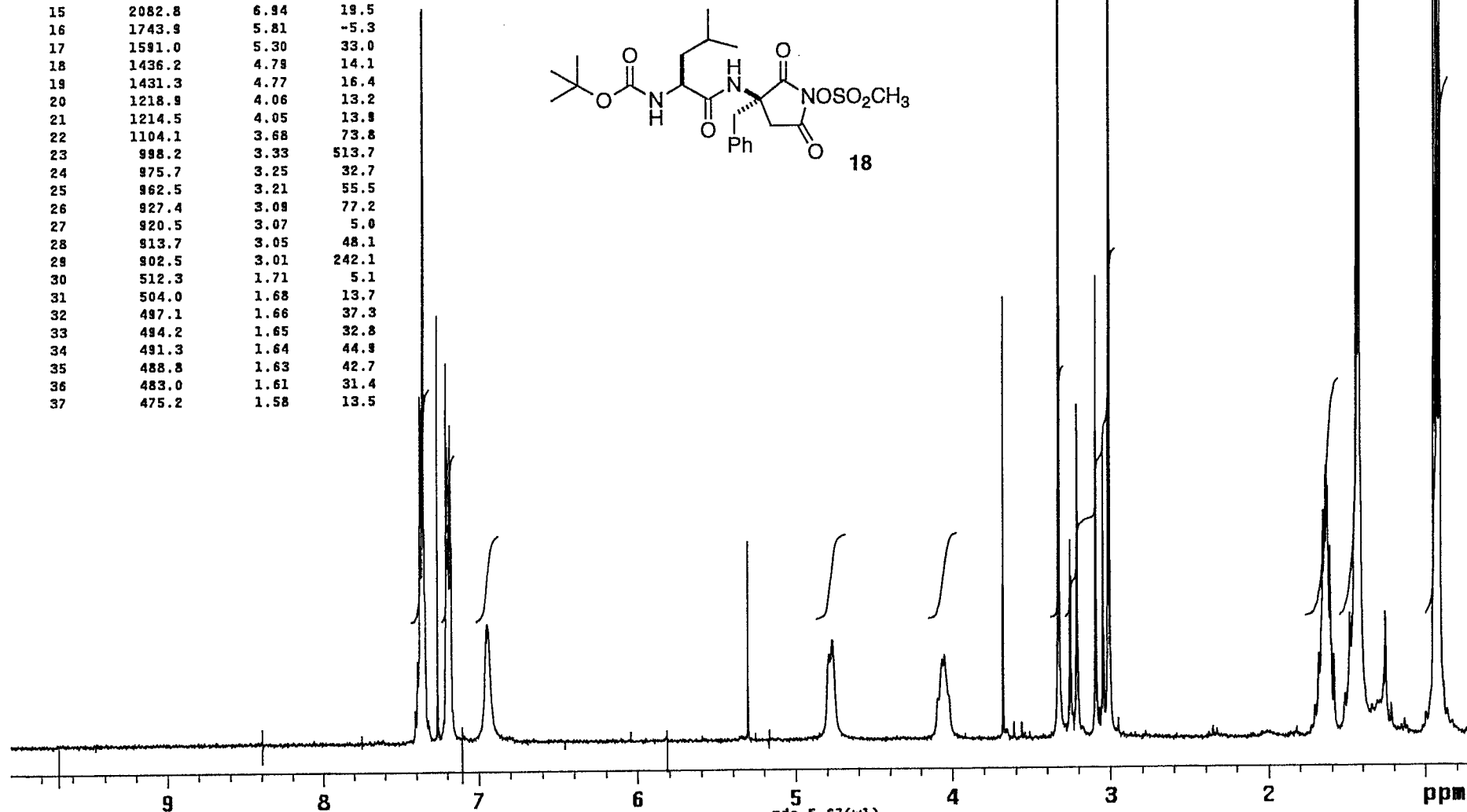
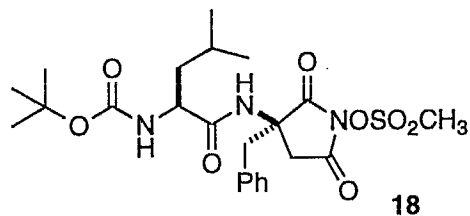
Jan 13 95
a9248h

Aug 2 95 b4394h mdo-5-67(w1)

SPECTRAL LINES FOR TH-
rfl= 422.8, rfp=

INDEX	FREQ.(Hz)	PPM	HEIGHT
1	2908.6	9.68	-6.8
2	2222.0	7.41	5.2
3	2217.6	7.39	13.4
4	2213.2	7.38	57.7
5	2211.2	7.37	53.2
6	2207.8	7.36	122.6
7	2205.8	7.35	123.0
8	2201.4	7.34	13.9
9	2179.5	7.26	71.4
10	2161.9	7.21	63.3
11	2159.0	7.20	49.1
12	2154.6	7.18	52.8
13	2152.6	7.17	42.7
14	2131.6	7.10	-6.8
15	2082.8	6.94	19.5
16	1743.9	5.81	-5.3
17	1591.0	5.30	33.0
18	1436.2	4.78	14.1
19	1431.3	4.77	16.4
20	1218.9	4.06	13.2
21	1214.5	4.05	13.8
22	1104.1	3.68	73.8
23	998.2	3.33	513.7
24	975.7	3.25	32.7
25	962.5	3.21	55.5
26	927.4	3.09	77.2
27	920.5	3.07	5.0
28	913.7	3.05	48.1
29	902.5	3.01	242.1
30	512.3	1.71	5.1
31	504.0	1.68	13.7
32	497.1	1.66	37.3
33	494.2	1.65	32.8
34	491.3	1.64	44.9
35	488.8	1.63	42.7
36	483.0	1.61	31.4
37	475.2	1.58	13.5

INDEX	FREQ.(Hz)	PPM	HEIGHT
38	454.2	1.51	7.0
39	444.9	1.48	20.3
40	428.8	1.43	758.6
41	400.4	1.33	5.1
42	376.5	1.25	20.5
43	365.3	1.22	5.3
44	283.7	0.95	159.6
45	277.4	0.92	284.7
46	271.5	0.90	165.3
47	264.2	0.88	9.0



300 MHz
sw = 4000
at = 2.000

fa = 63
dl = 0.000
ct = 32

dof = 0
dm = nnn
dpwr = 10

fn = 16384
temp = 23
solvent CDCl₃

mdo-5-67(w1)

Aug 2 95
b4394h

