

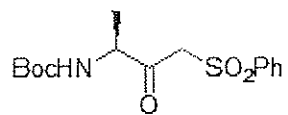
Supplementary Materials: Synthesis of Chiral, Enantiopure Allylic Amines by the Julia Olefination of α -Amino Esters

Fabio Benedetti, Federico Berti, Lidia Fanfoni, Michele Garbo, Giorgia Regini and Fulvia Felluga

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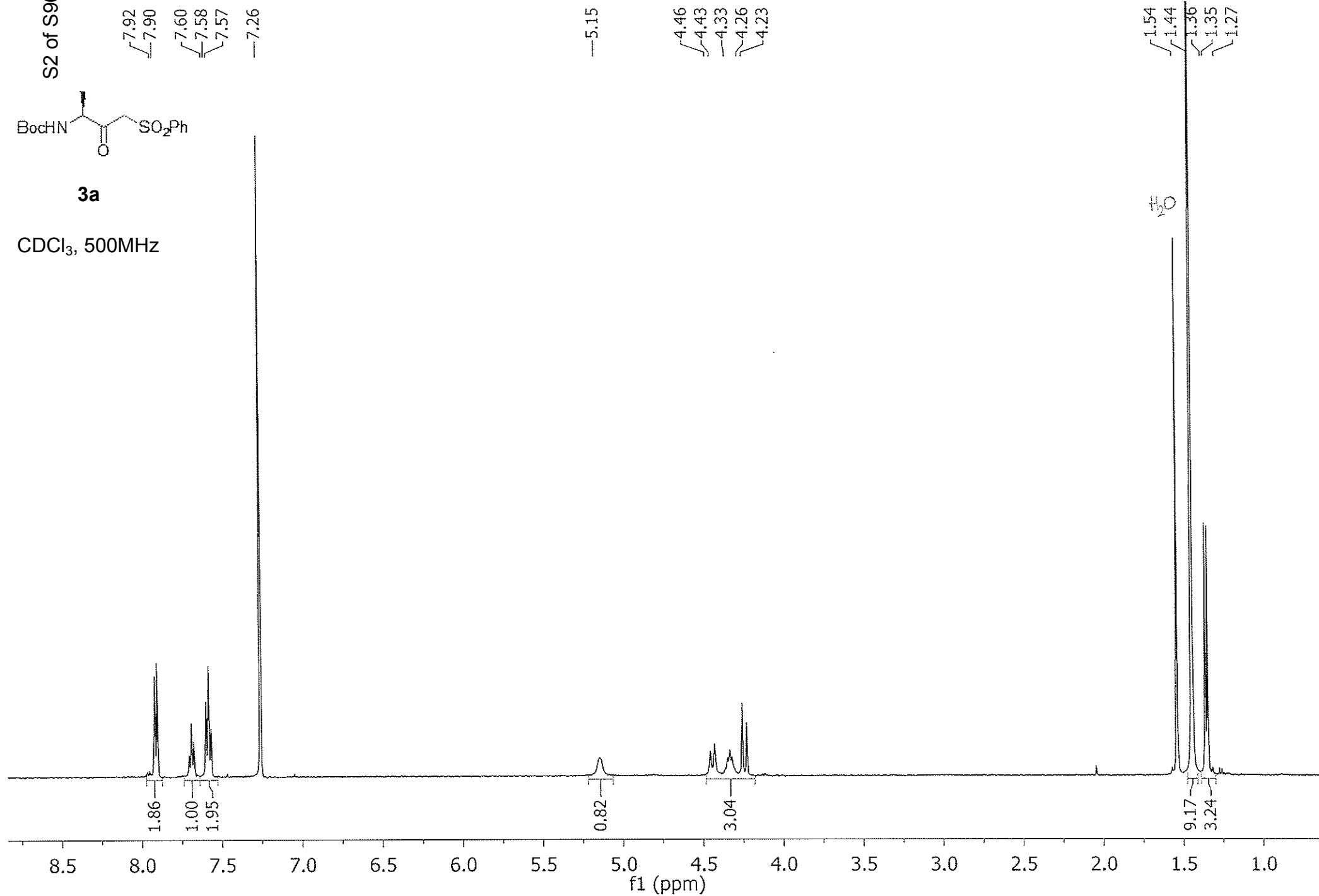
^1H and ^{13}C-NMR Spectra for Compounds 3–6.....	p. S2
Chiral GC Chromatograms for Compounds 6a–e,g.....	p. S84
Chiral HPLC Chromatograms for Compounds 3f, 6f.....	p. S95

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3a

CDCl₃, 500MHz



S3 of S96

—198.38

—155.32

—138.99

—134.31

—129.30

—128.43

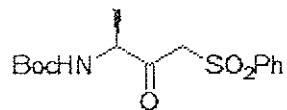
—80.21

—63.25

—55.89

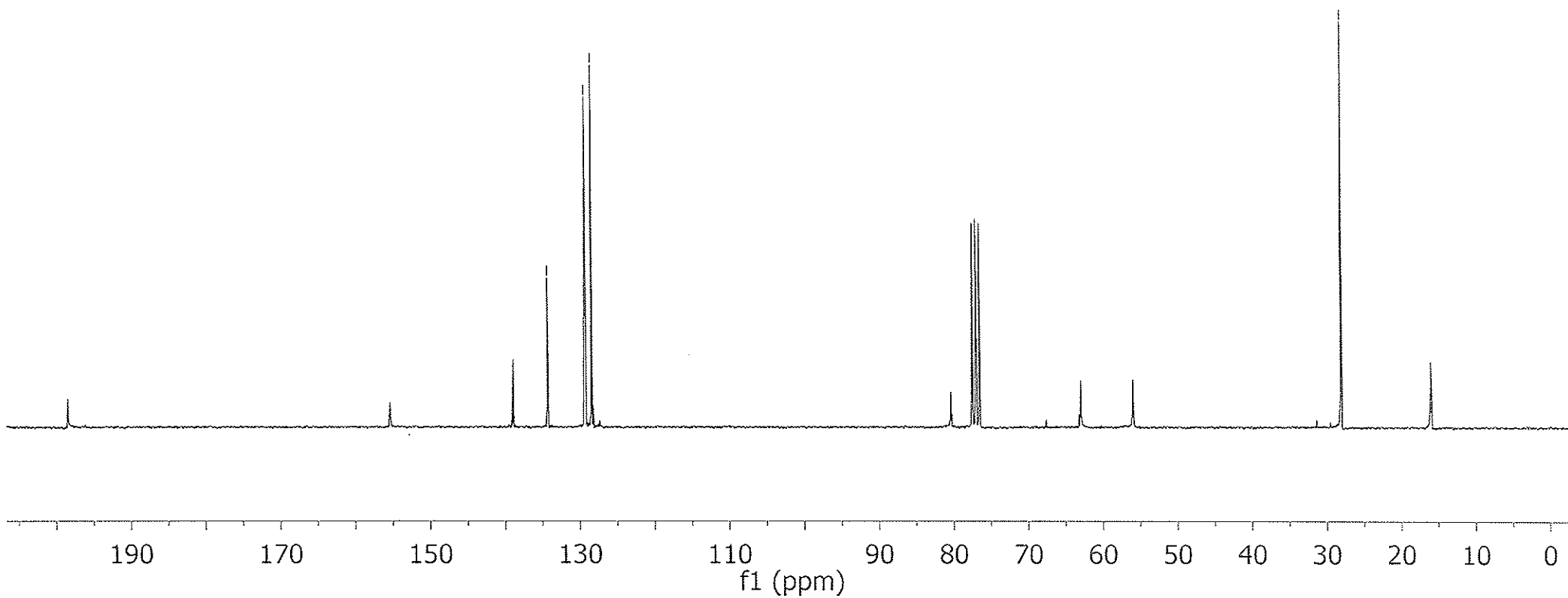
—28.08

—16.10

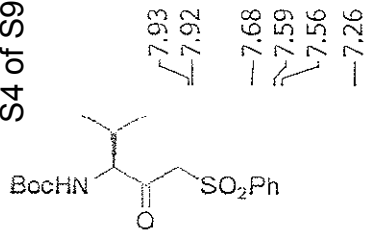


3a

CDCl₃, 125.68 MHz

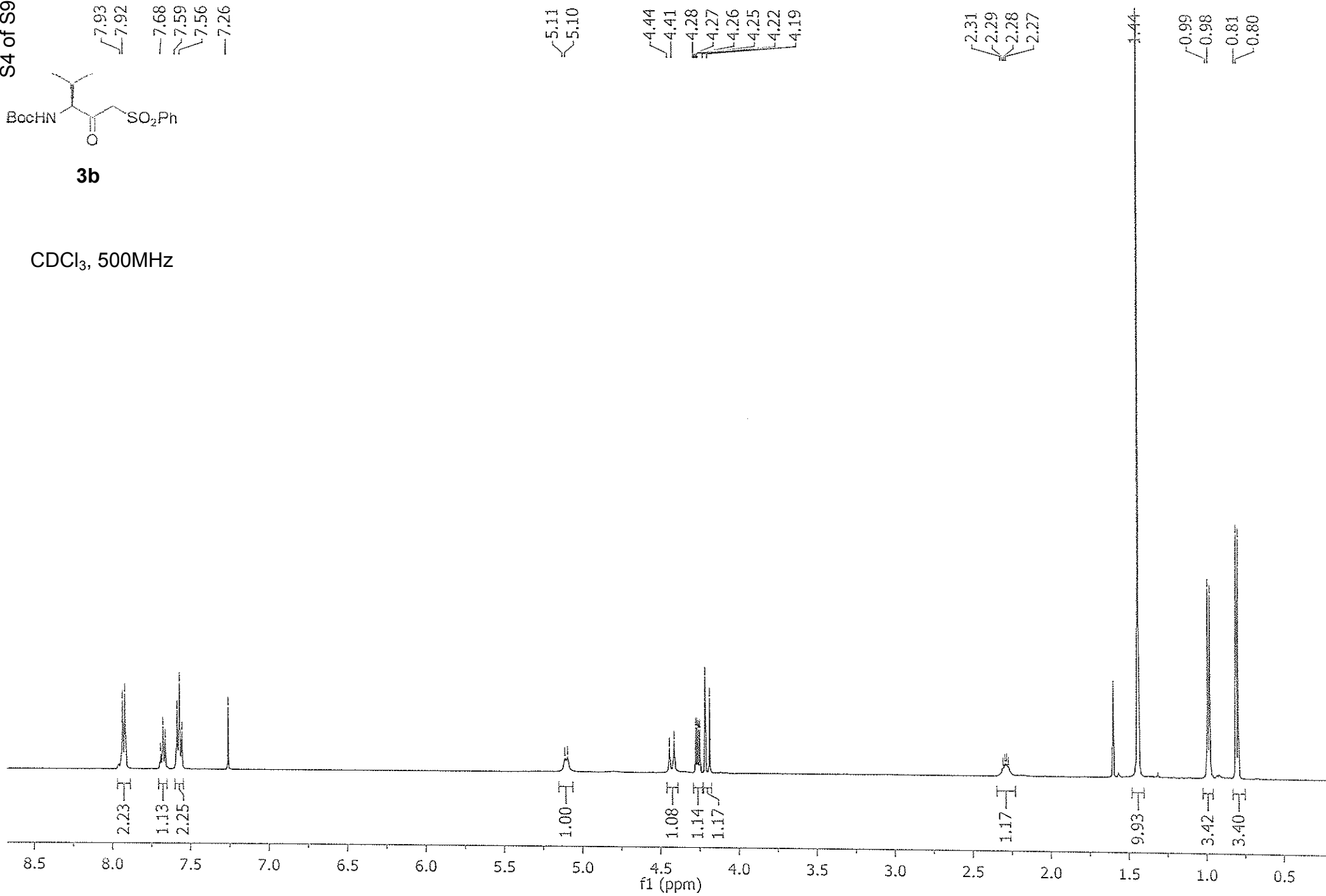


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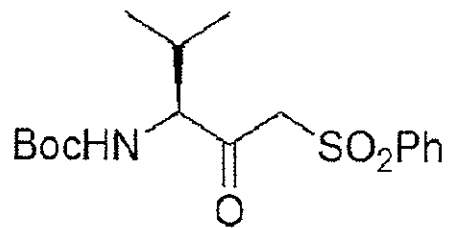


3b

CDCl₃, 500MHz

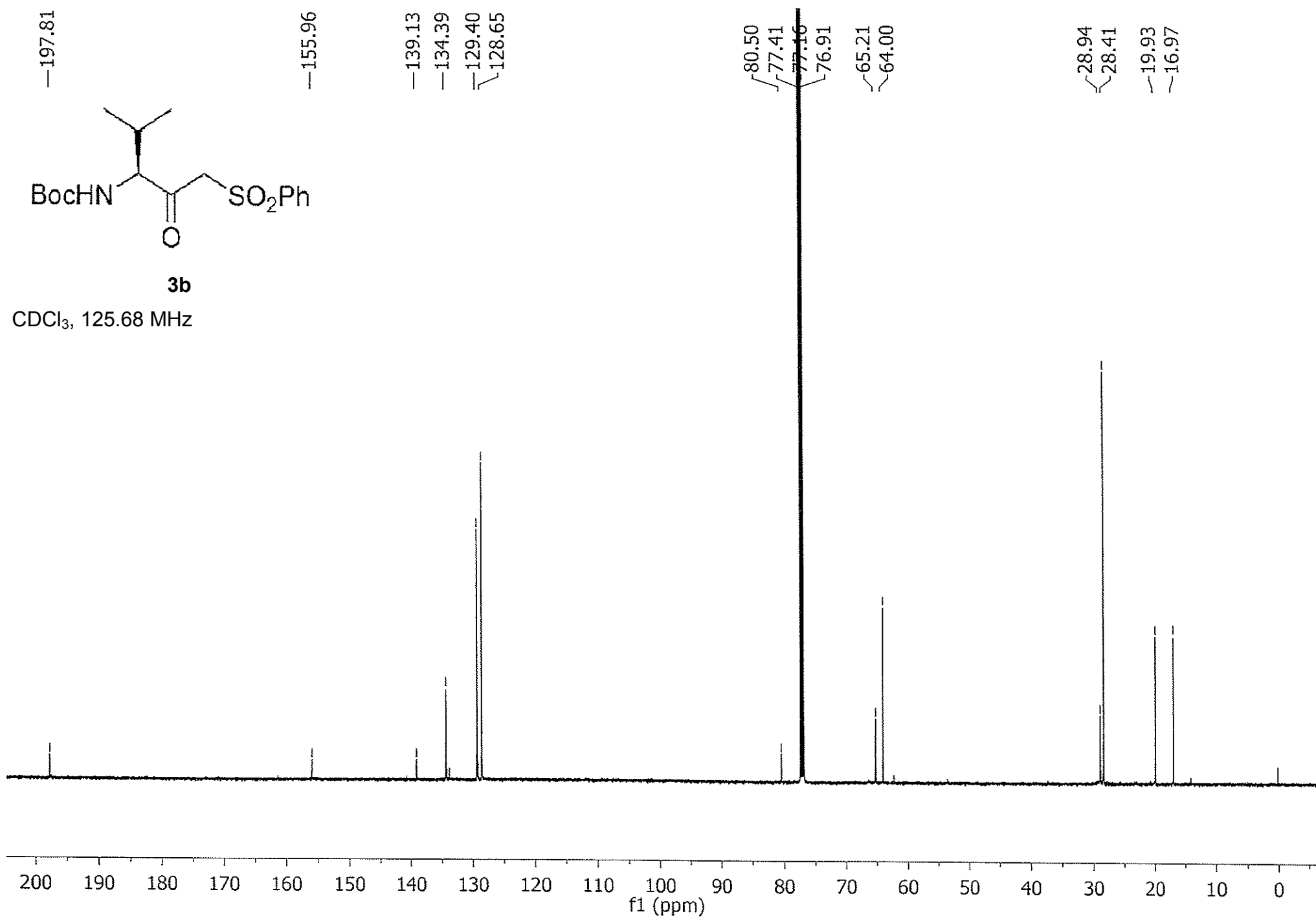


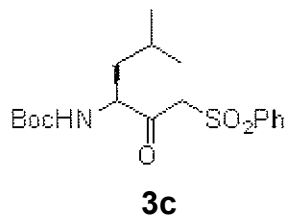
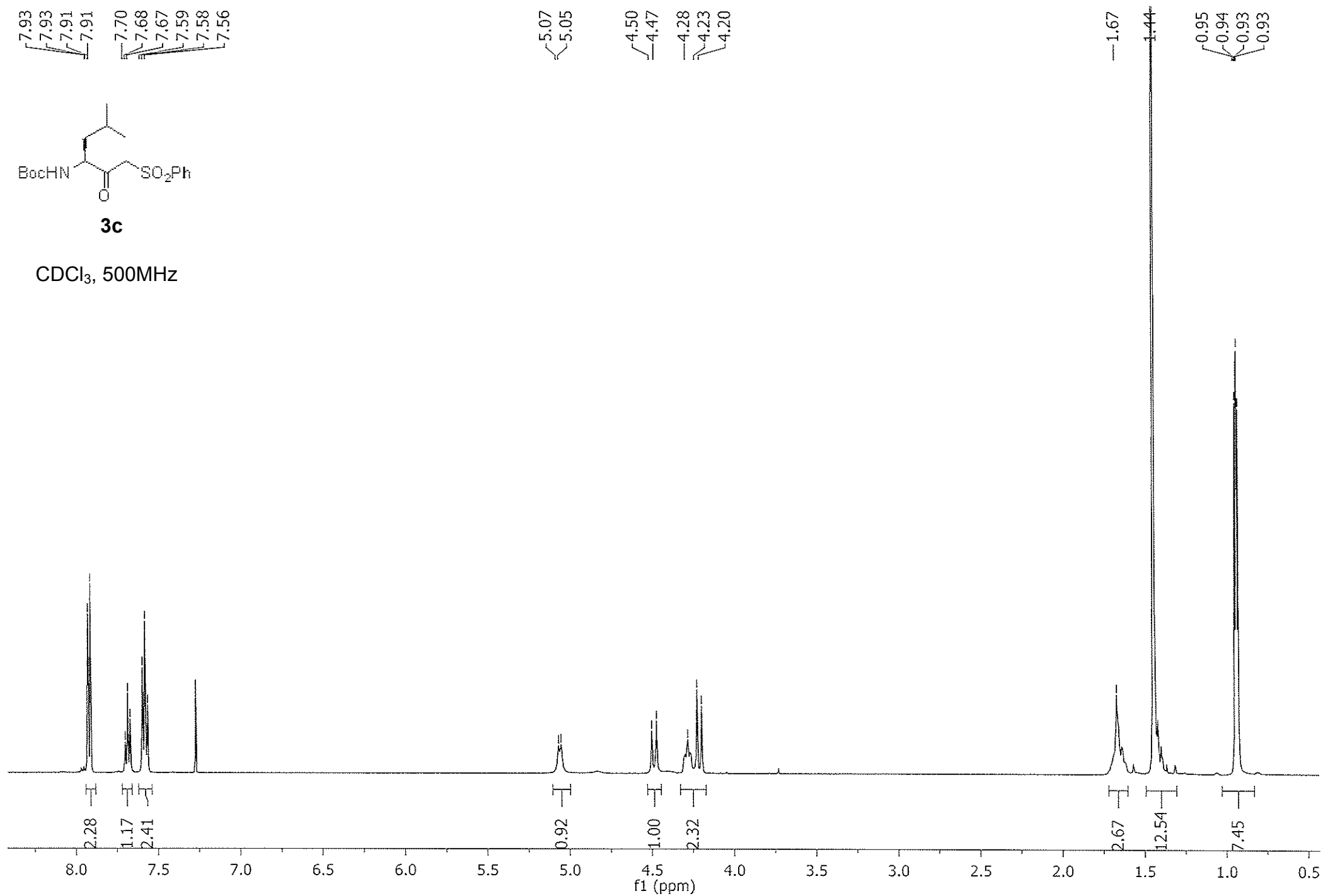
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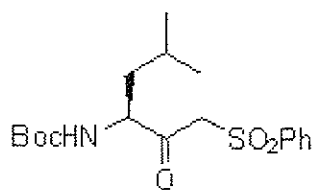
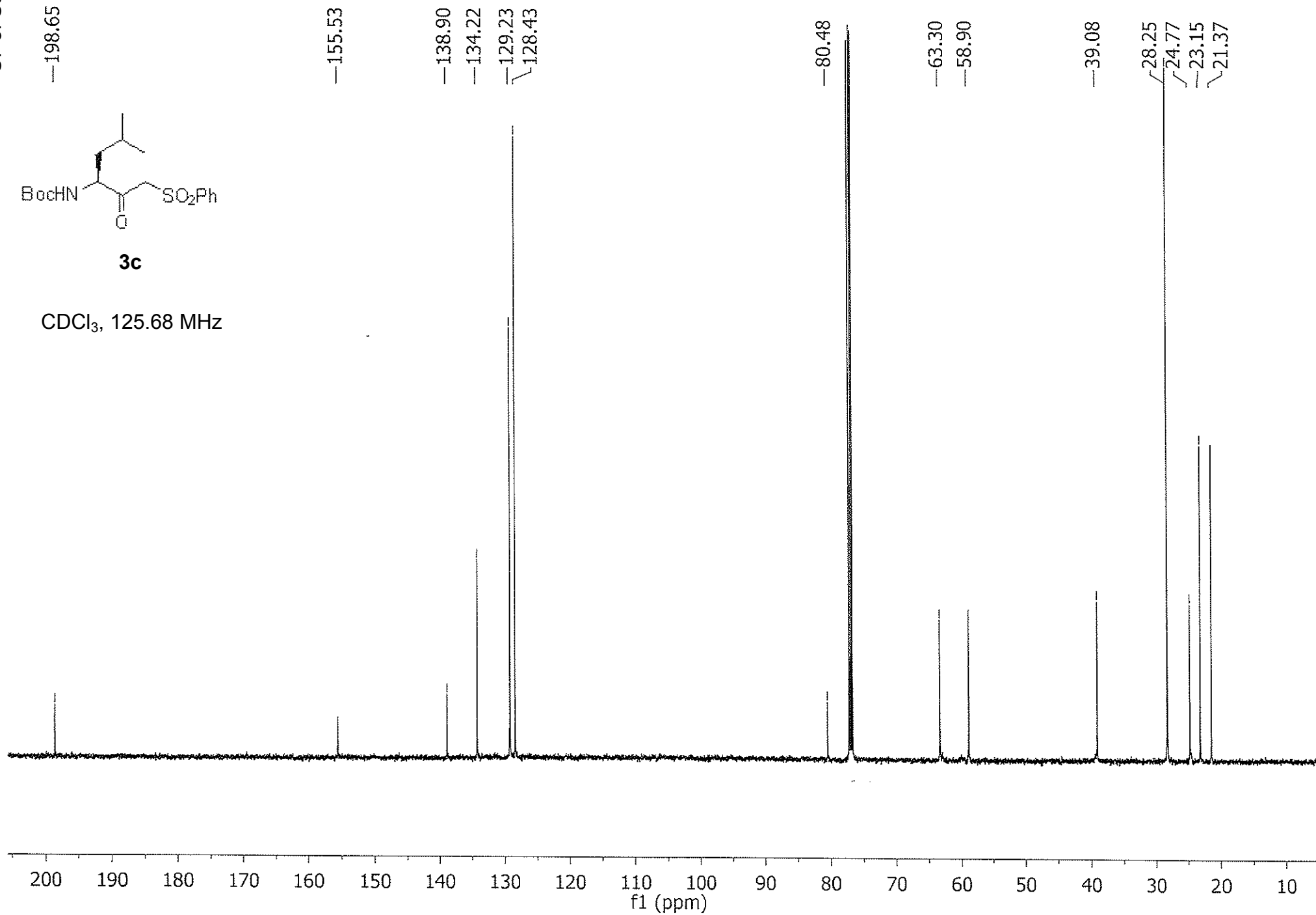


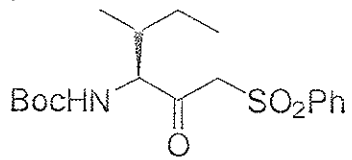
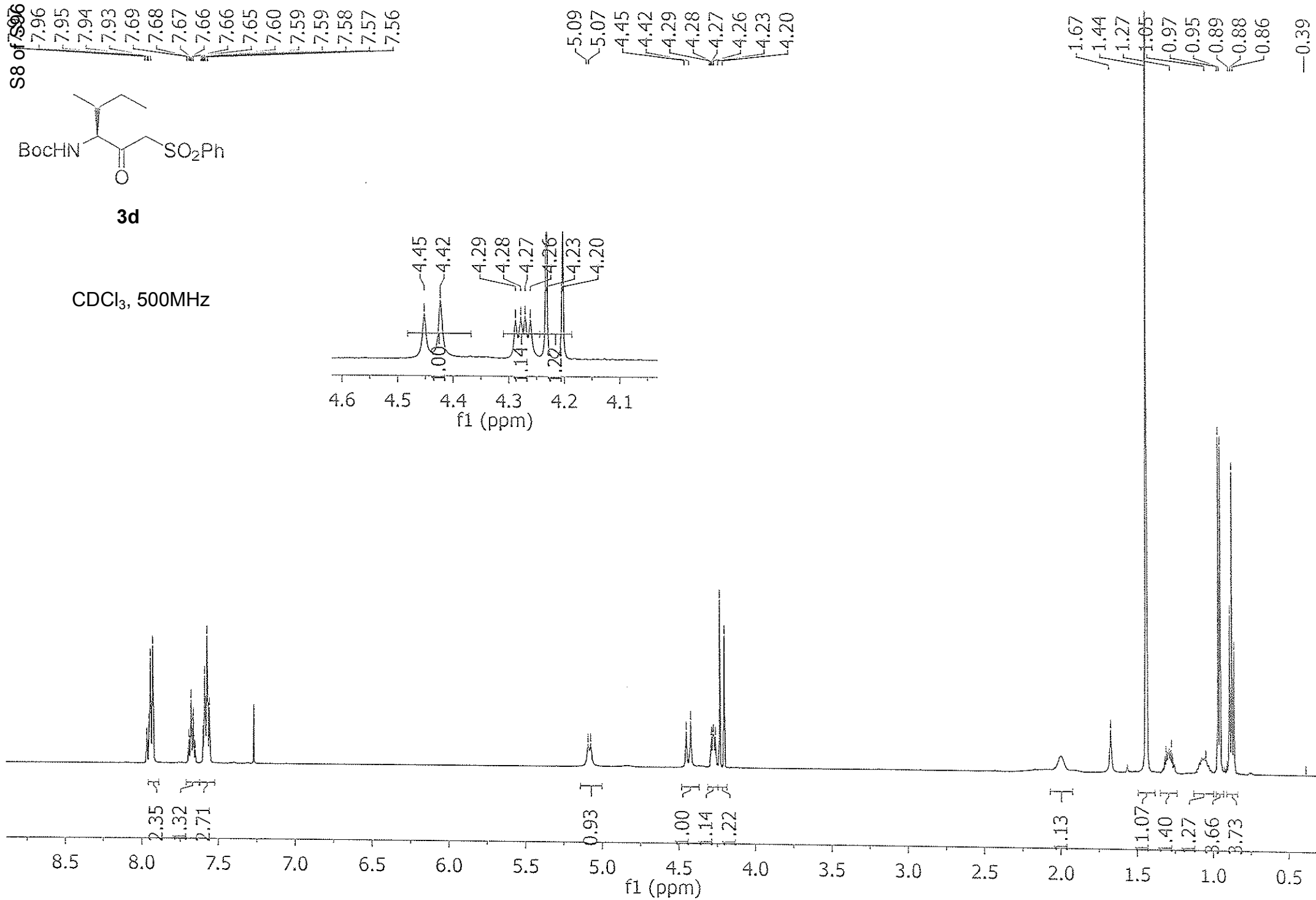
3b

CDCl₃, 125.68 MHz

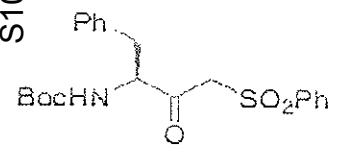


CDCl₃, 500MHz

**3c**CDCl₃, 125.68 MHz

**3d**CDCl₃, 500MHz

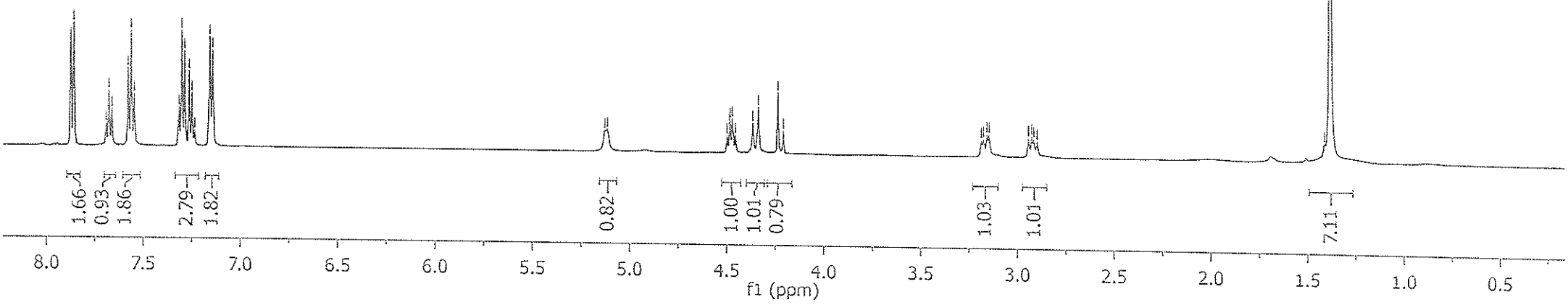
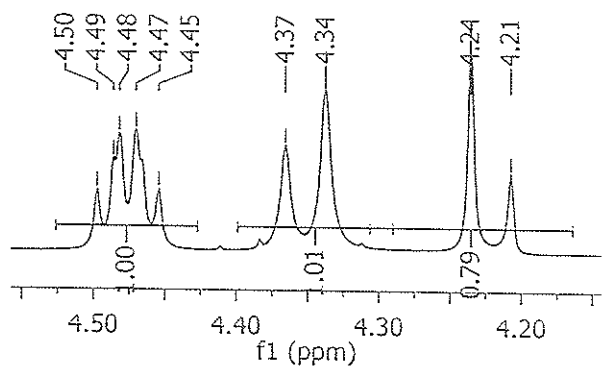
S10 of 9967
 7.87
 7.86
 7.85
 7.69
 7.68
 7.66
 7.58
 7.56
 7.55
 7.31
 7.30
 7.29
 7.26
 7.25
 7.23
 7.16
 7.14

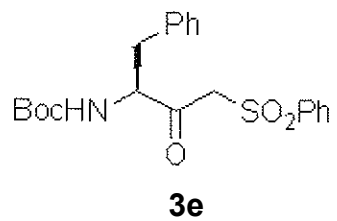
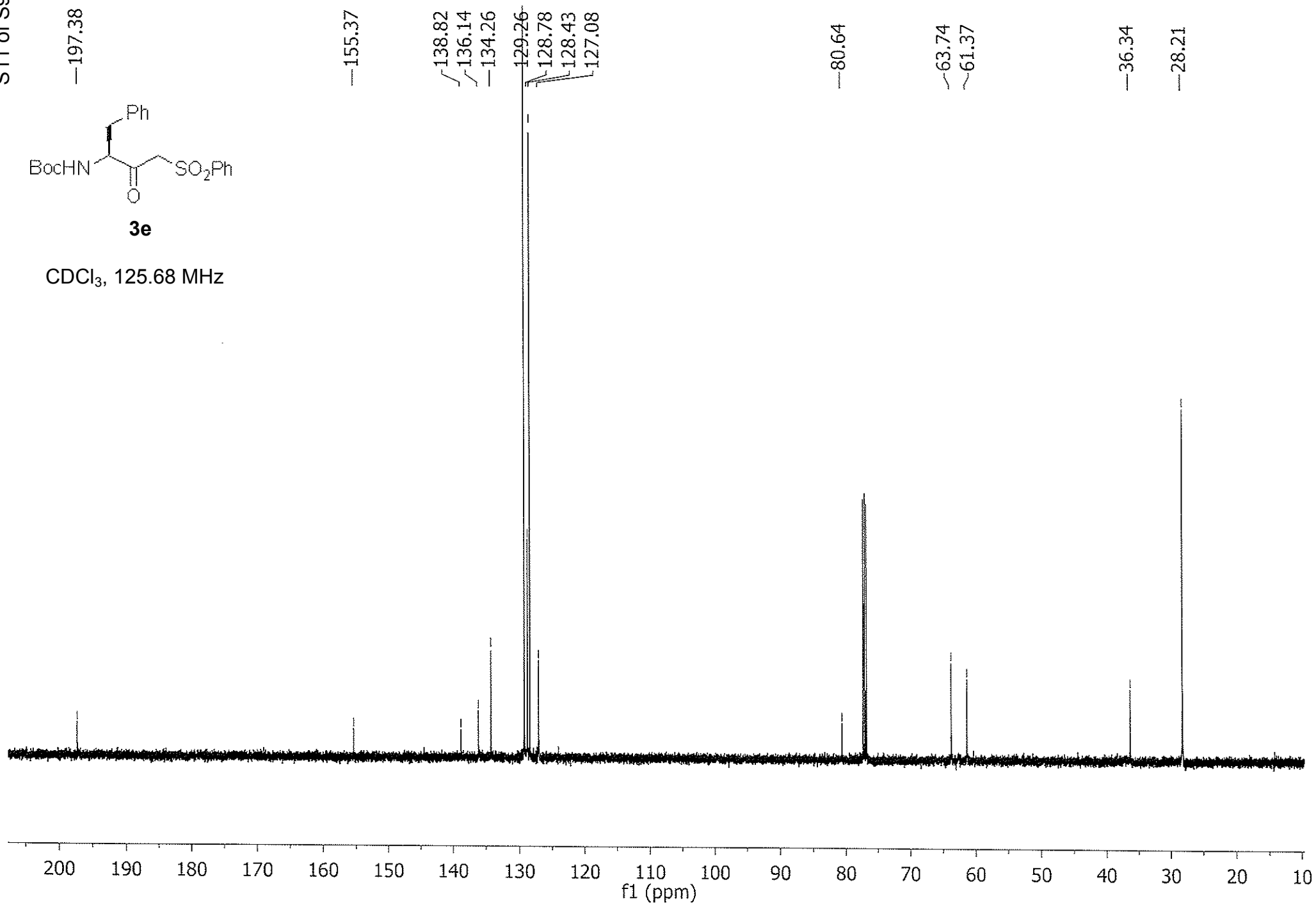


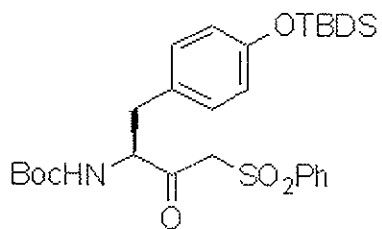
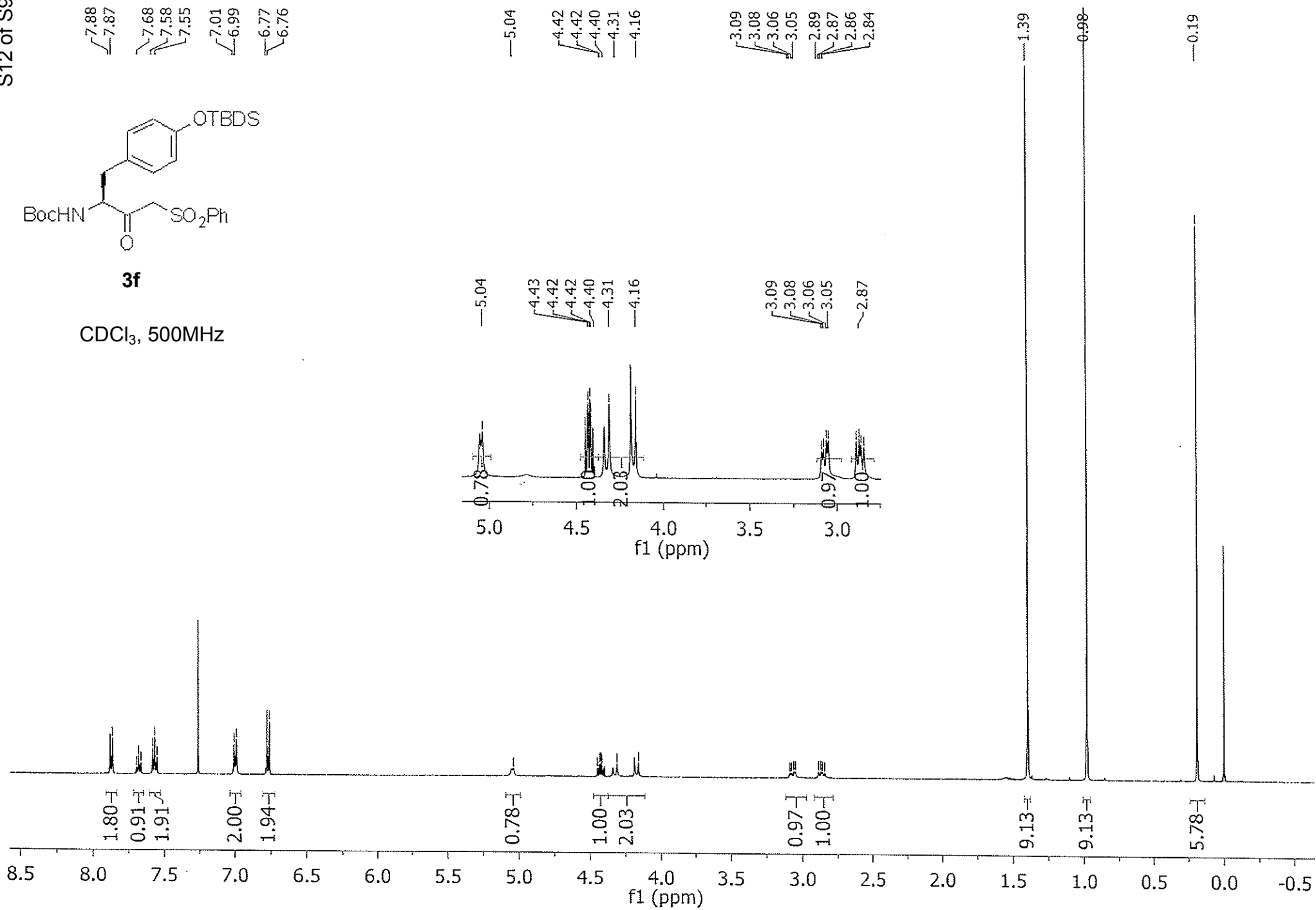
3e

CDCl₃, 500MHz

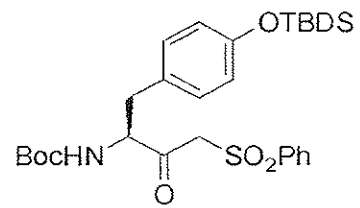
5.13
 5.11
 4.50
 4.49
 4.48
 4.47
 4.45
 4.37
 4.34
 4.34
 4.24
 4.24
 4.21
 3.18
 3.17
 3.16
 3.15
 2.94
 2.93
 2.91
 2.90
 1.41
 1.38



CDCl₃, 125.68 MHz

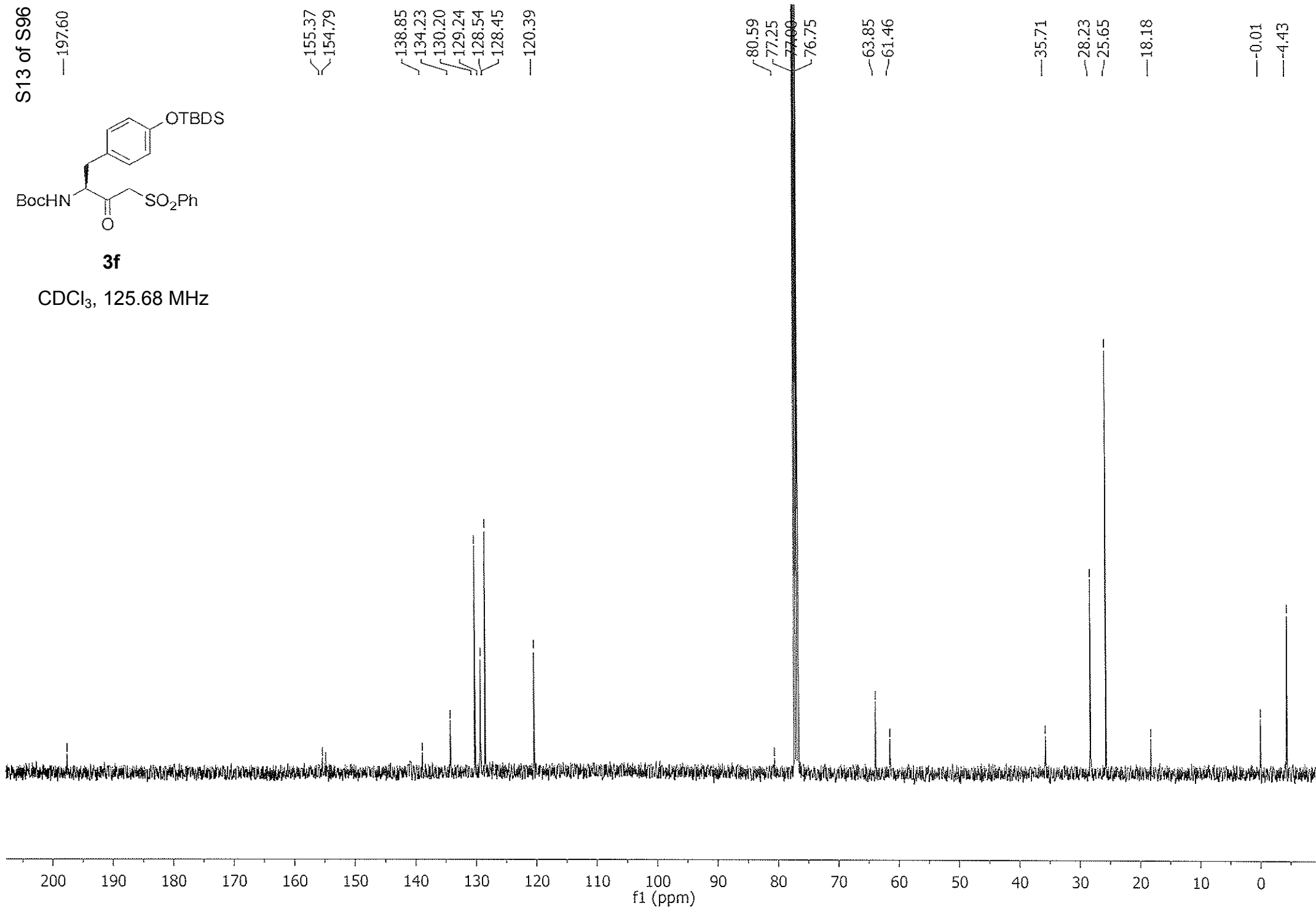
**3f**CDCl₃, 500MHz

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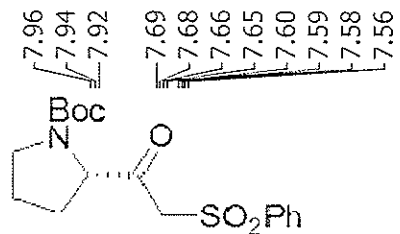


3f

CDCl₃, 125.68 MHz

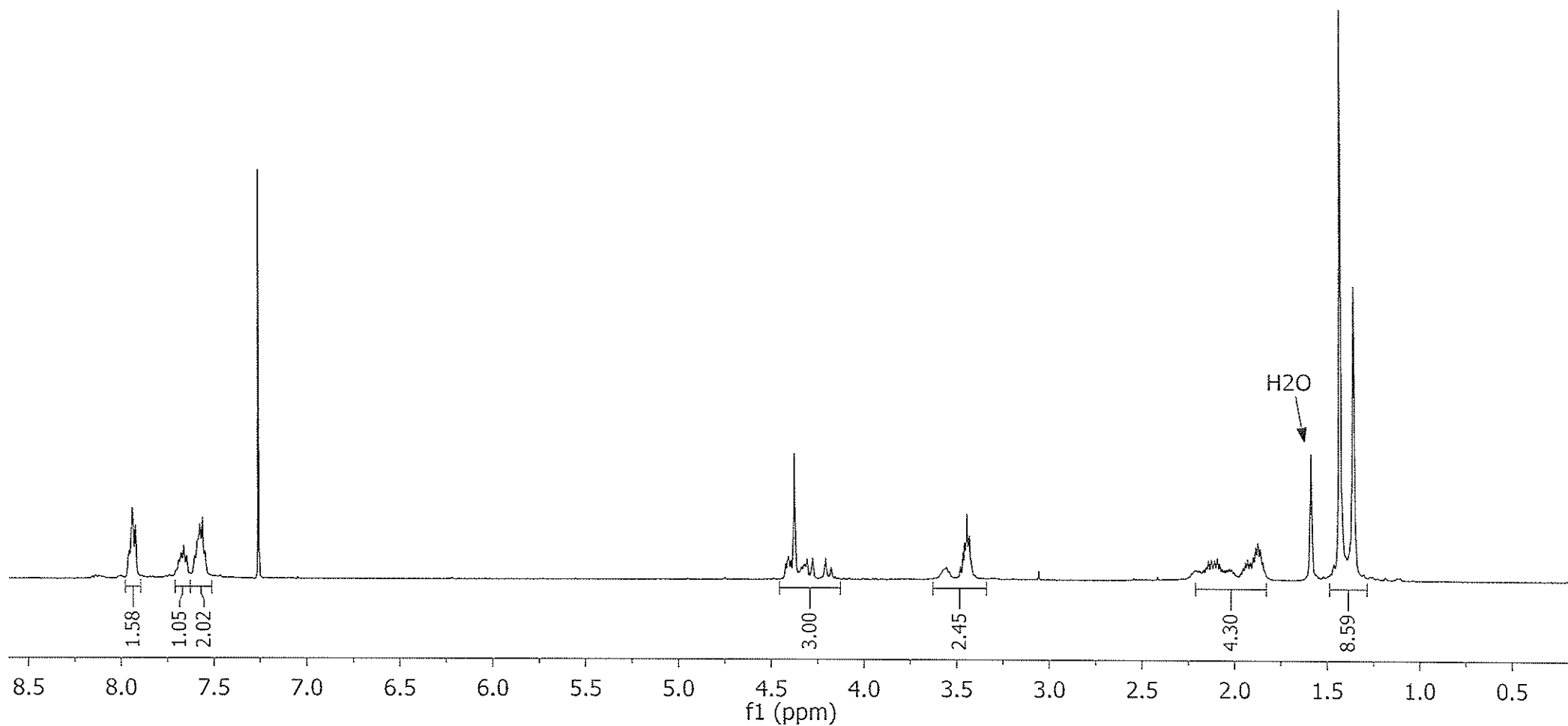


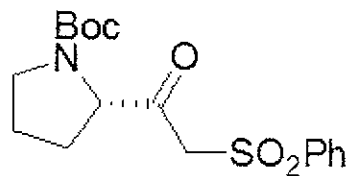
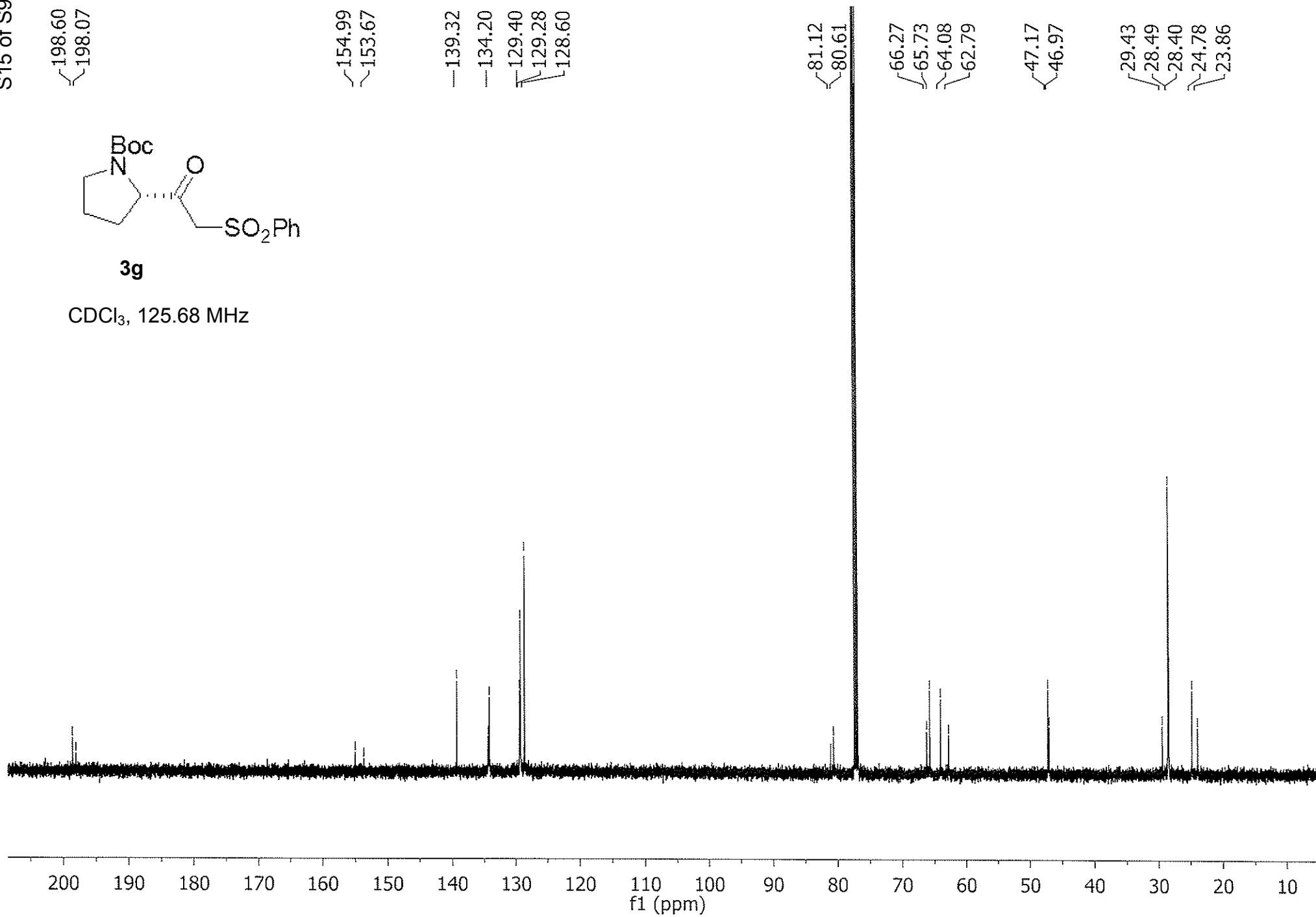
S14 of S96



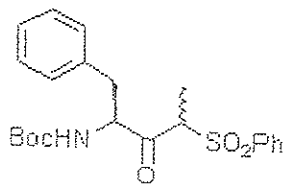
3g

CDCl₃, 500MHz



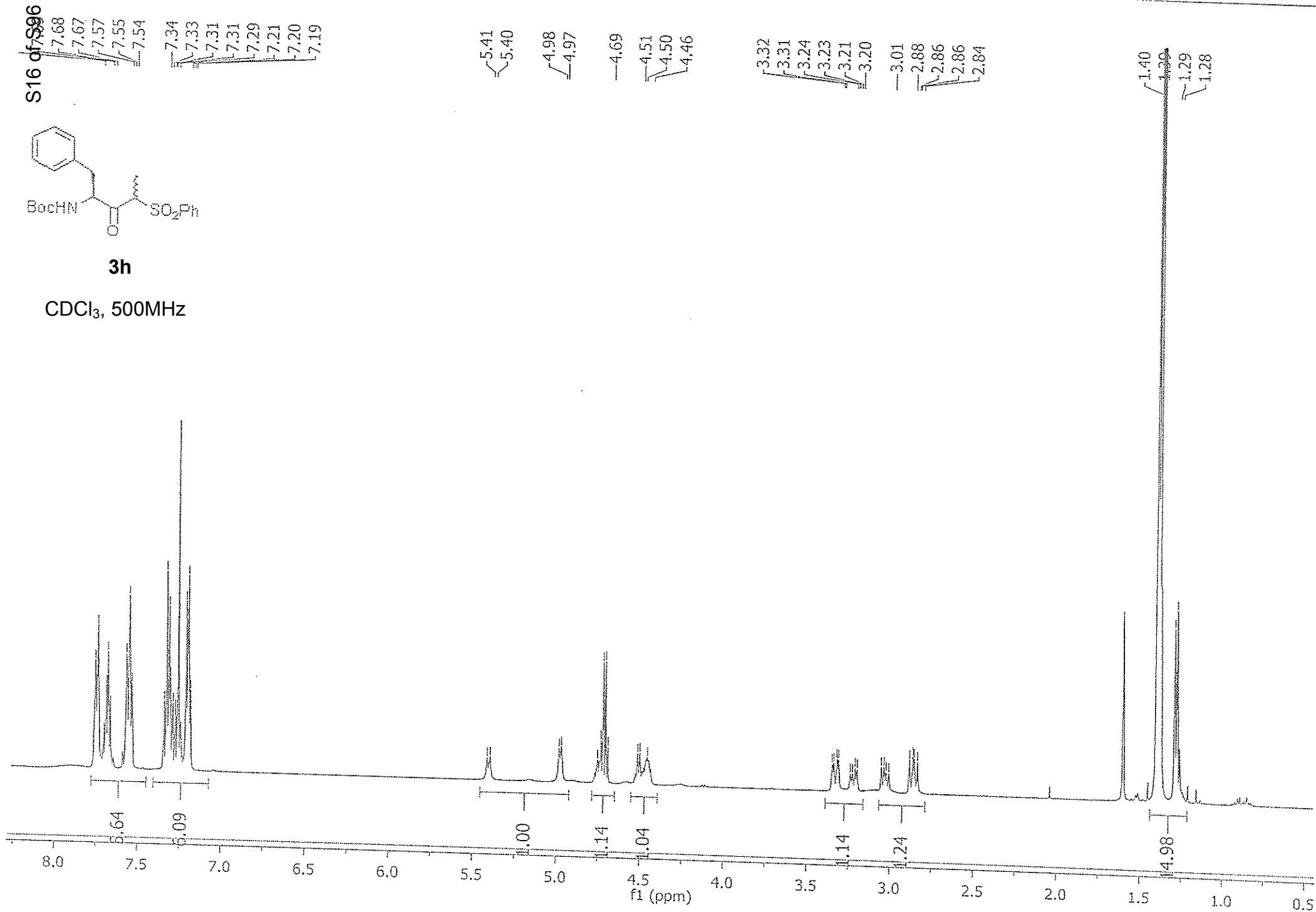
198.60
198.07154.99
153.67139.32
134.20
129.40
129.28
128.6081.12
80.6166.27
65.73
64.08
62.7947.17
46.9729.43
28.49
28.40
24.78
23.86**3g**CDCl₃, 125.68 MHz

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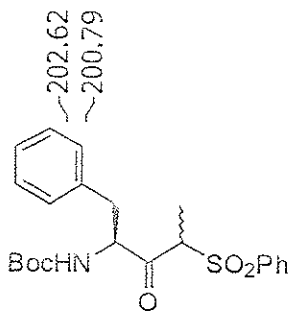


3h

CDCl₃, 500MHz



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3h

CDCl₃, 125.68 MHz

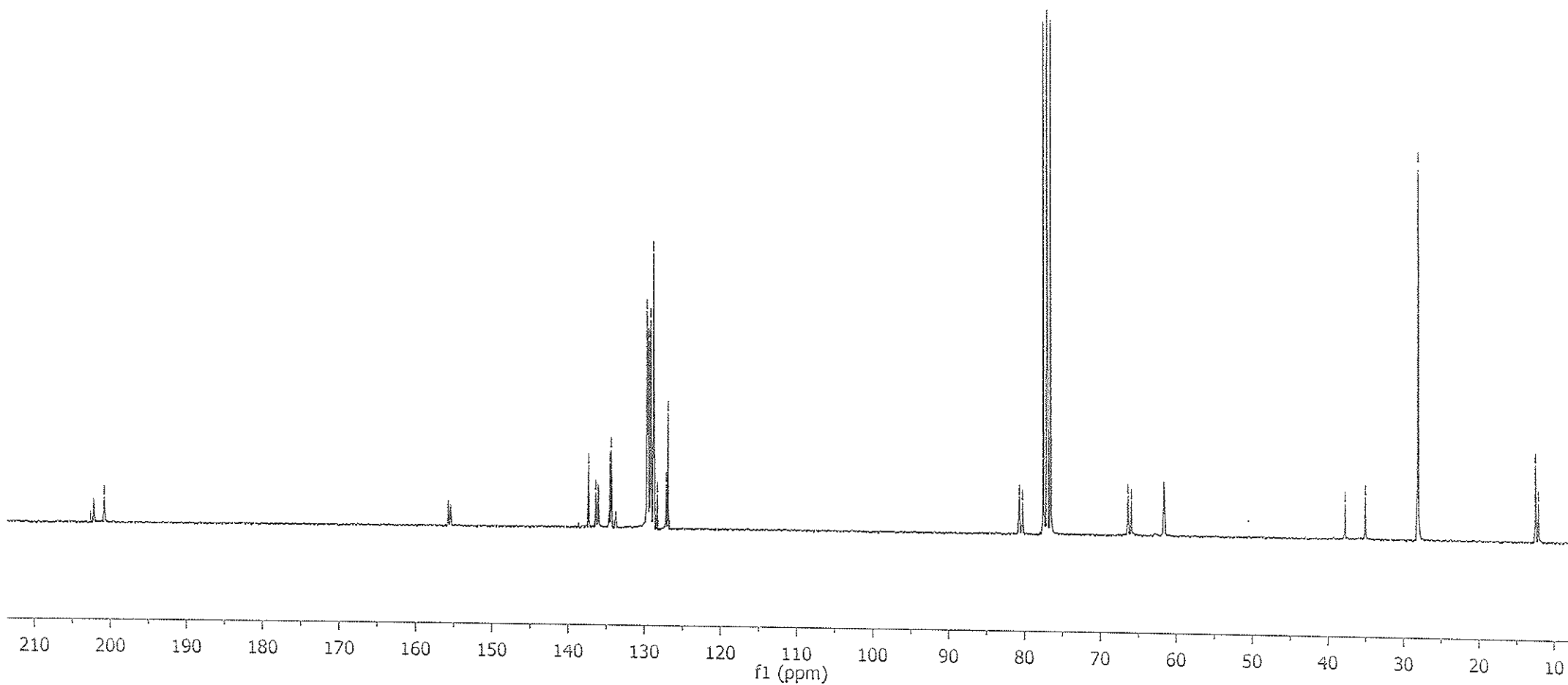
137.28
136.33
136.03
135.97
134.51
134.32
129.65
129.57
129.47
129.30
129.13
129.07
128.70
128.25
127.11
126.83

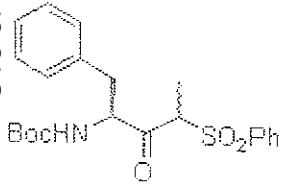
80.67
80.24

66.33
65.89
61.61

37.72
35.01
28.11
28.01

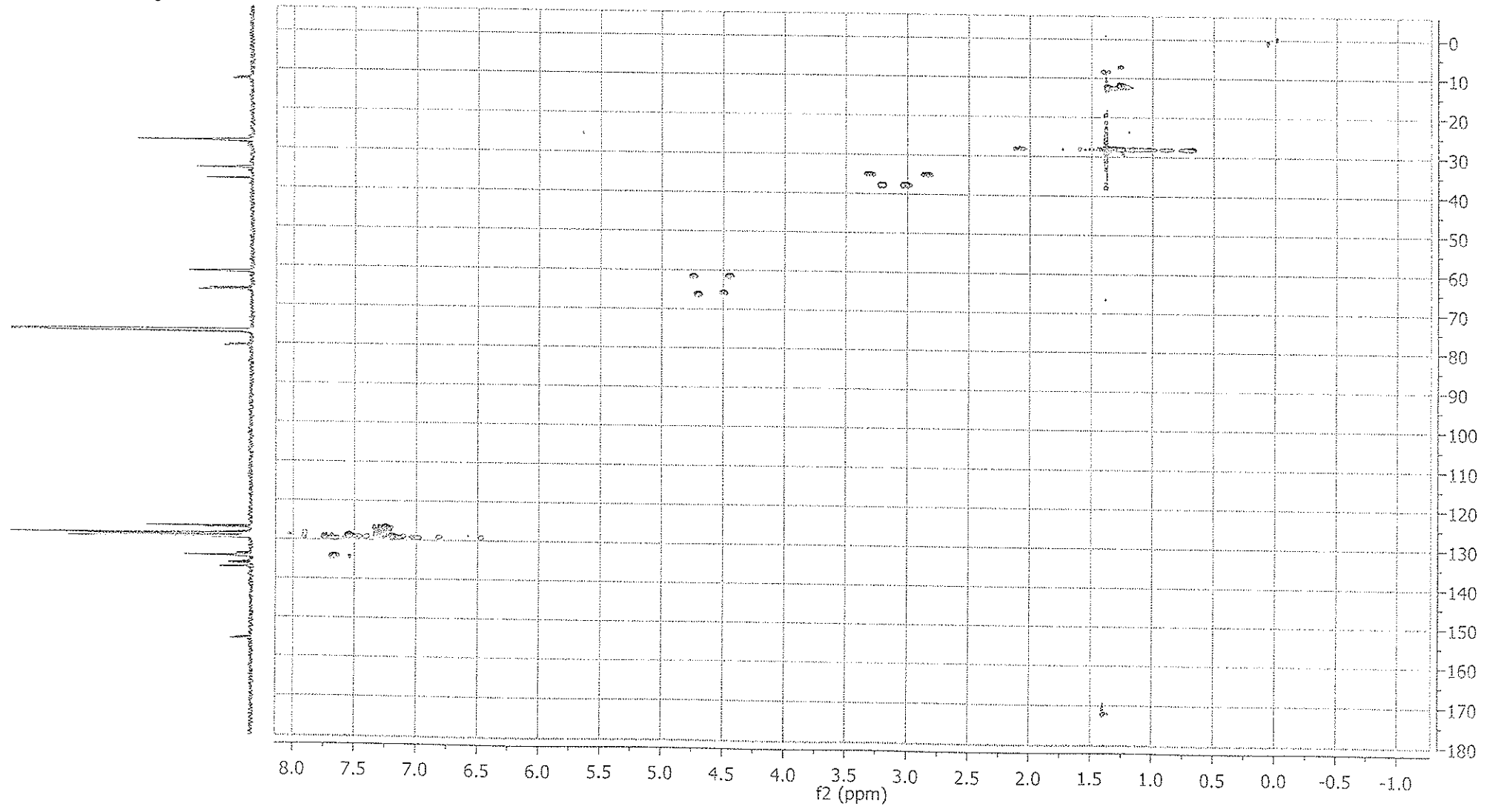
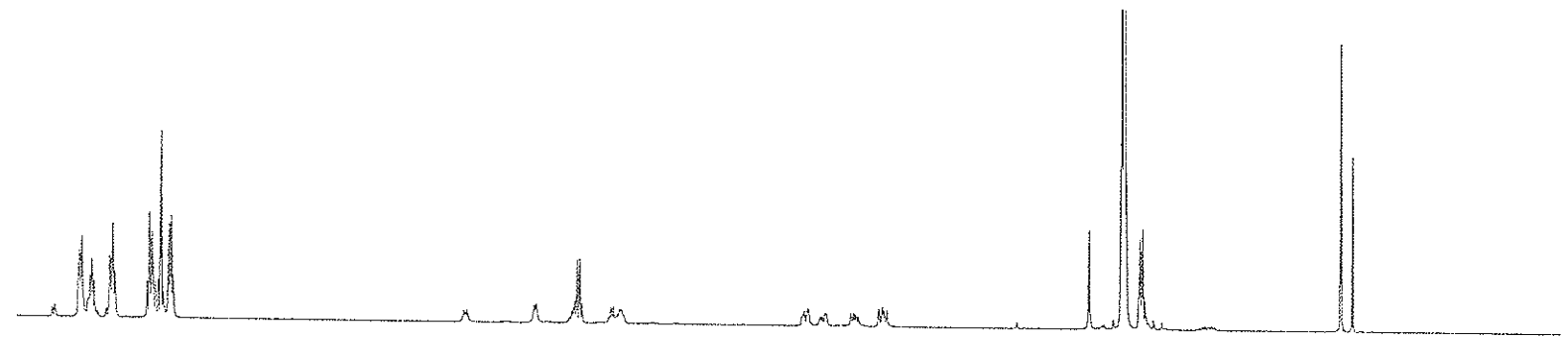
12.47
12.07





3h

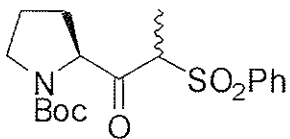
CDCl₃



f1 (ppm)

f2 (ppm)

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3i

mixture of diastereoisomers and rotamers

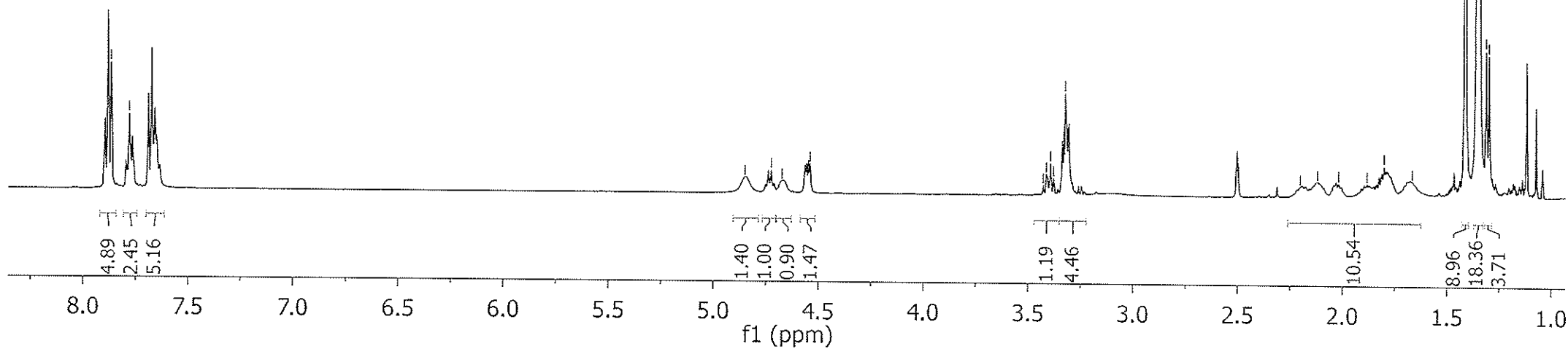
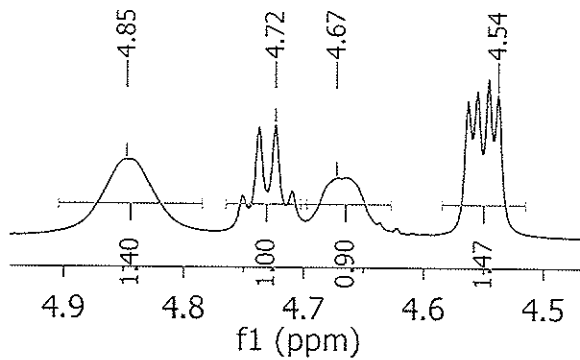
dms0-d6
80°C

7.86
7.78
7.66

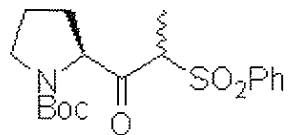
4.85
4.72
4.67
4.54

3.43
3.41
3.39
3.38
3.33
3.32
3.30

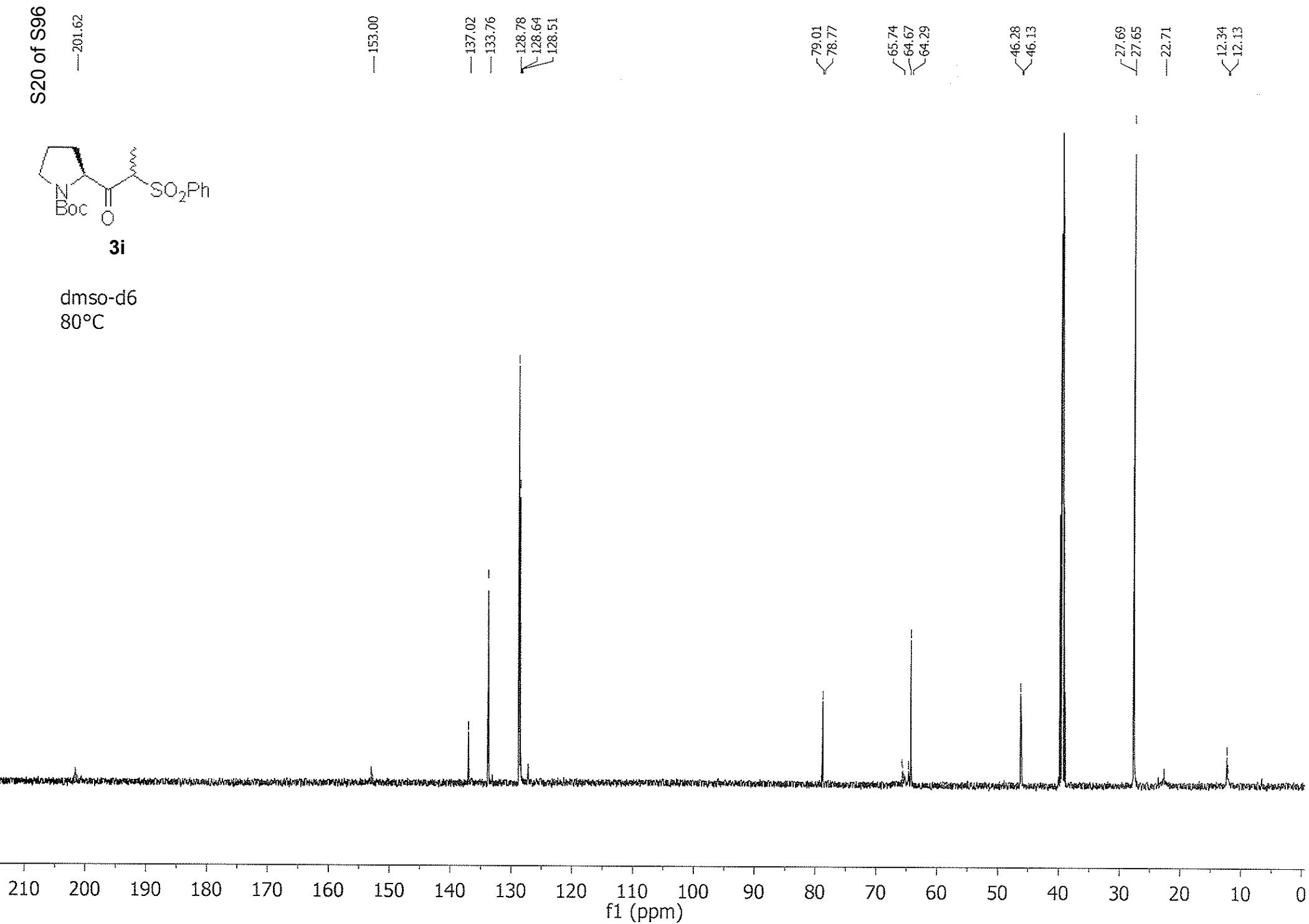
2.20
2.12
2.02
1.88
1.80
1.66
1.35
1.34
1.31
1.30

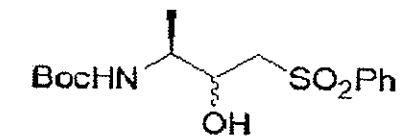


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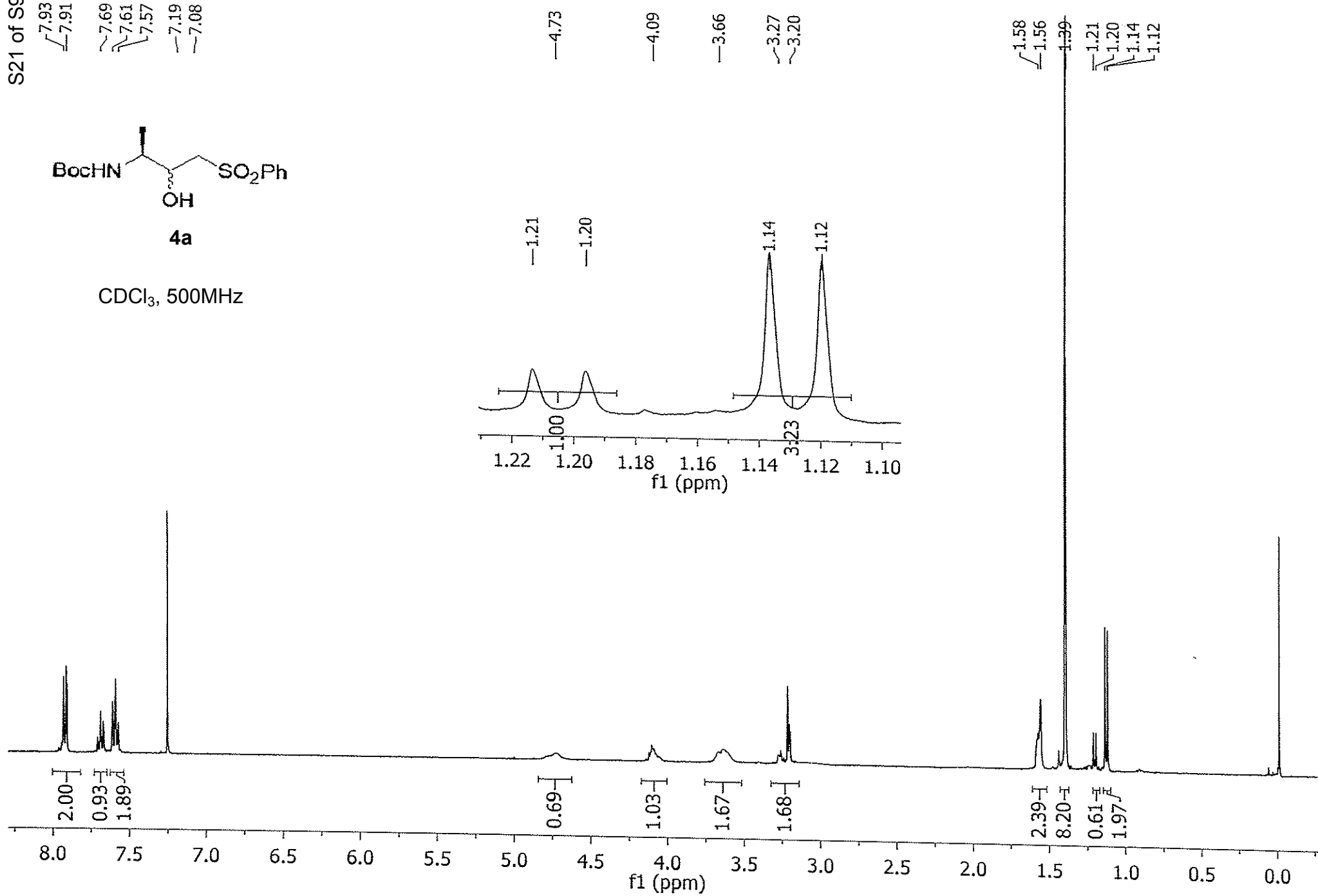


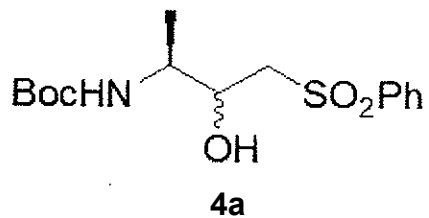
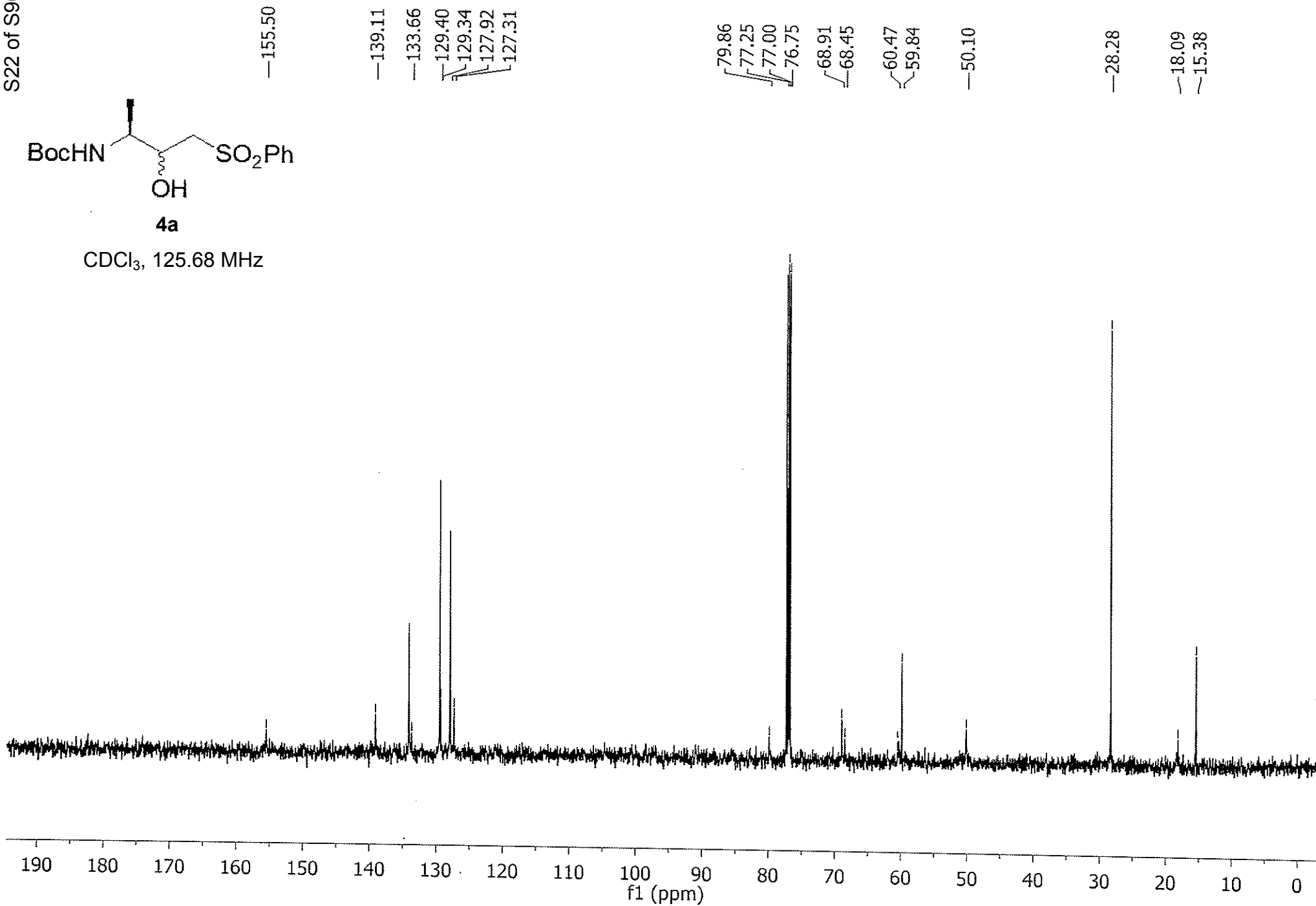
dms0-d6
80°C



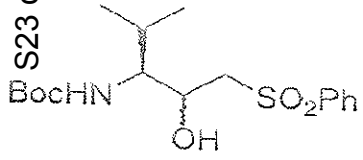


4a

CDCl₃, 500MHz

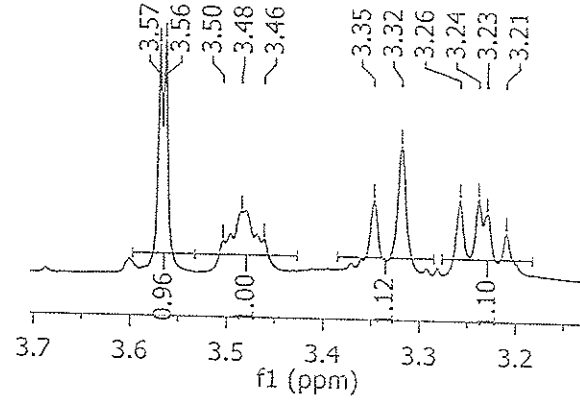
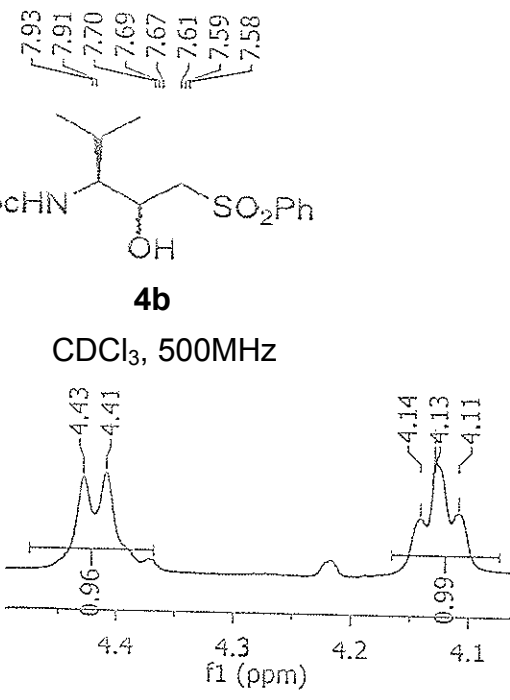
CDCl₃, 125.68 MHz

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4b

CDCl₃, 500MHz

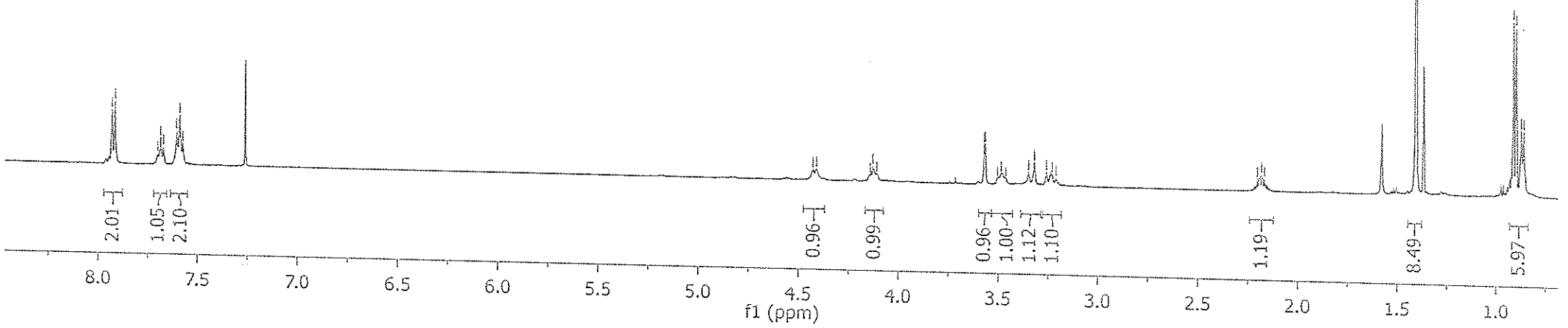


4.43
4.41
4.14
4.13
4.11
3.57
3.56
3.50
3.48
3.46
3.35
3.32
3.26
3.24
3.23
3.21

2.20
2.18
2.17

1.40

0.91
0.90
0.87
0.86



2.01
1.05
2.10

0.96
0.99
0.96
1.00
1.12
1.10

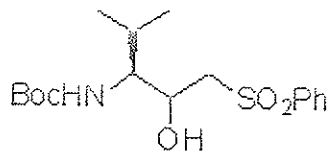
1.19

8.49

5.97

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—156.54
—139.46
—134.20
—129.55
—127.94



4b

CDCl₃, 125.68 MHz

—79.93

—67.22

—60.21

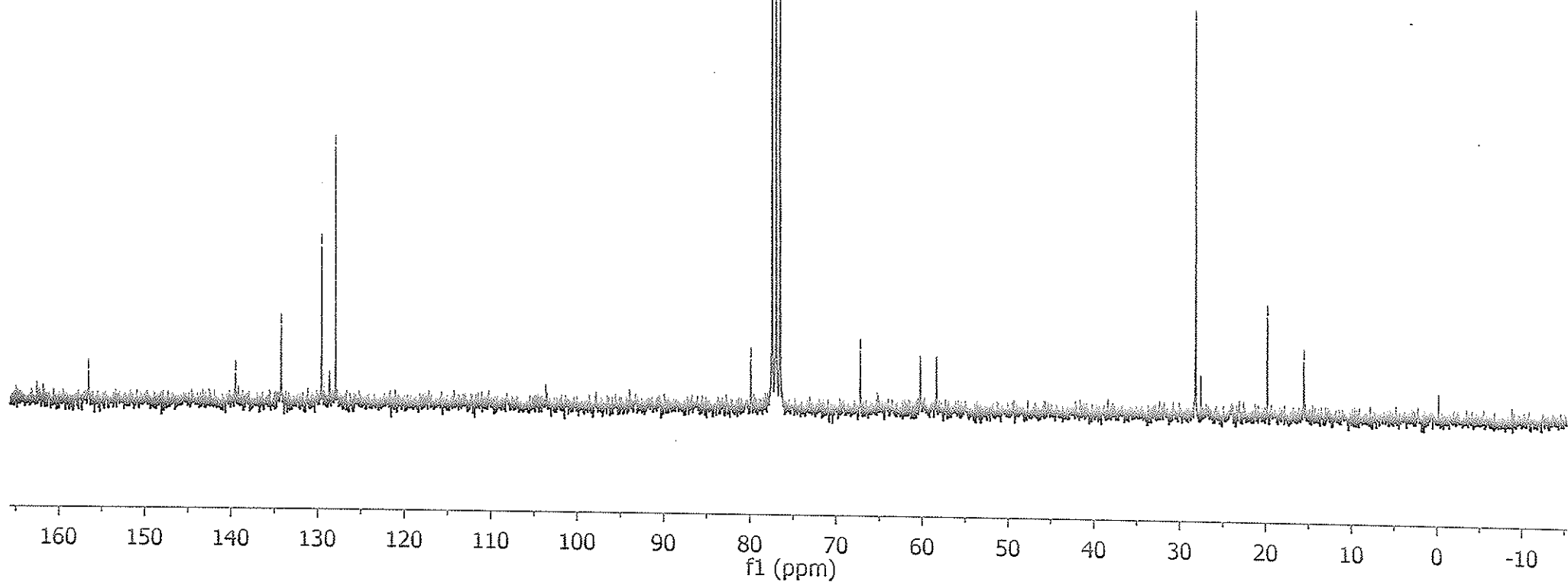
—58.33

—28.15

—27.48

—19.80

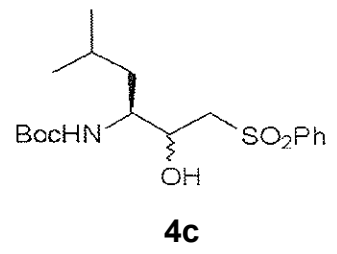
—15.56



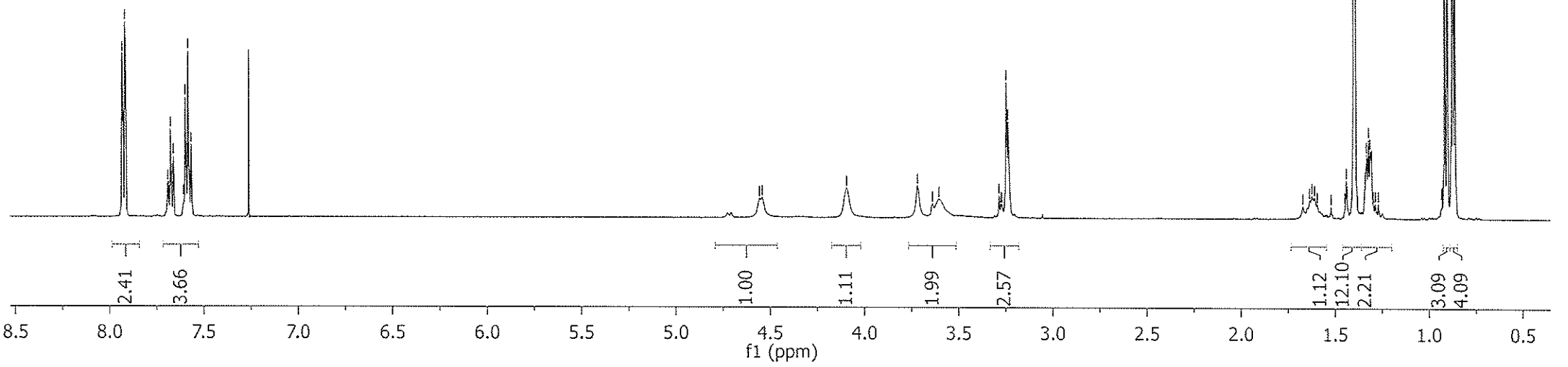
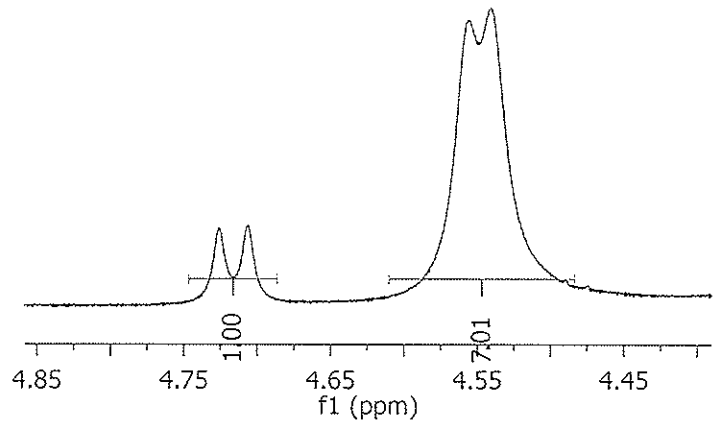
S25 of 896
 7.94
 7.93
 7.93
 7.92
 7.92
 7.91
 7.69
 7.69
 7.69
 7.68
 7.67
 7.67
 7.66
 7.66
 7.66
 7.61
 7.60
 7.59
 7.58
 7.57
 7.57

4.56
 4.54
 4.09
 3.72
 3.64
 3.60
 3.28
 3.27
 3.27
 3.24
 3.24

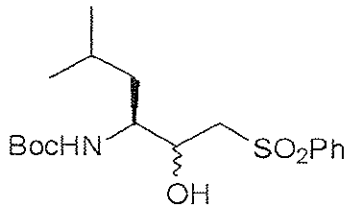
1.63
 1.62
 1.61
 1.44
 1.43
 1.40
 1.39
 1.34
 1.33
 1.32
 1.31
 1.30
 1.28
 1.27
 0.91
 0.90
 0.88
 0.87
 0.87
 0.86



CDCl₃, 500MHz



S26 of S96



4c

CDCl₃, 125.68 MHz

156.01
155.93
139.26
139.00
134.11
134.02
129.46
129.41
127.95
127.89

79.85
79.59

69.37
67.81

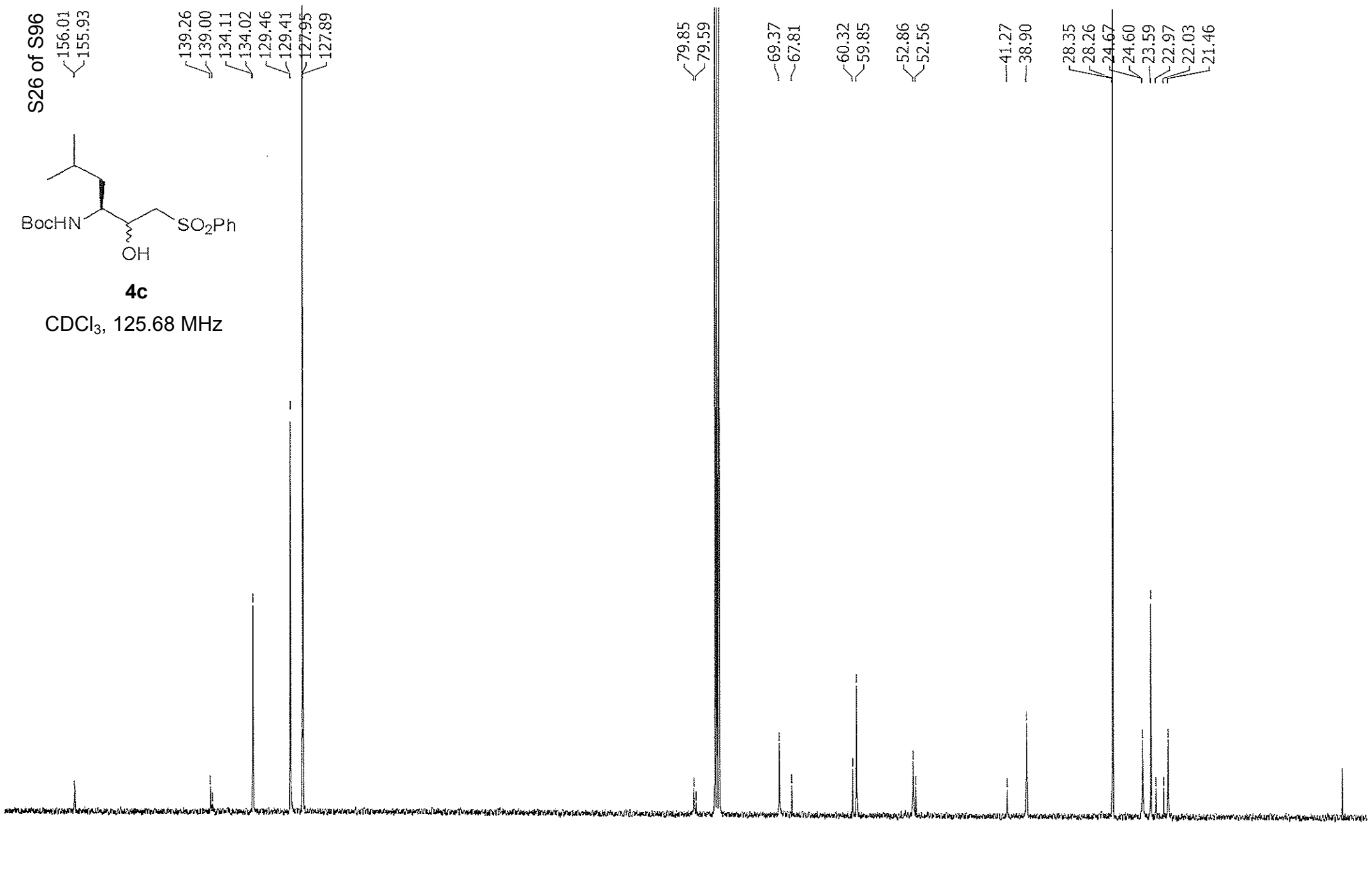
60.32
59.85

52.86
52.56

41.27
38.90

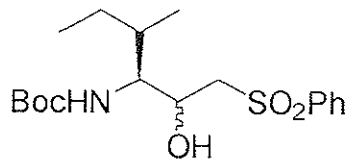
28.35
28.26
24.67
24.60
23.59
22.97
22.03
21.46

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0
f1 (ppm)



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-7.92
-7.67
-7.59



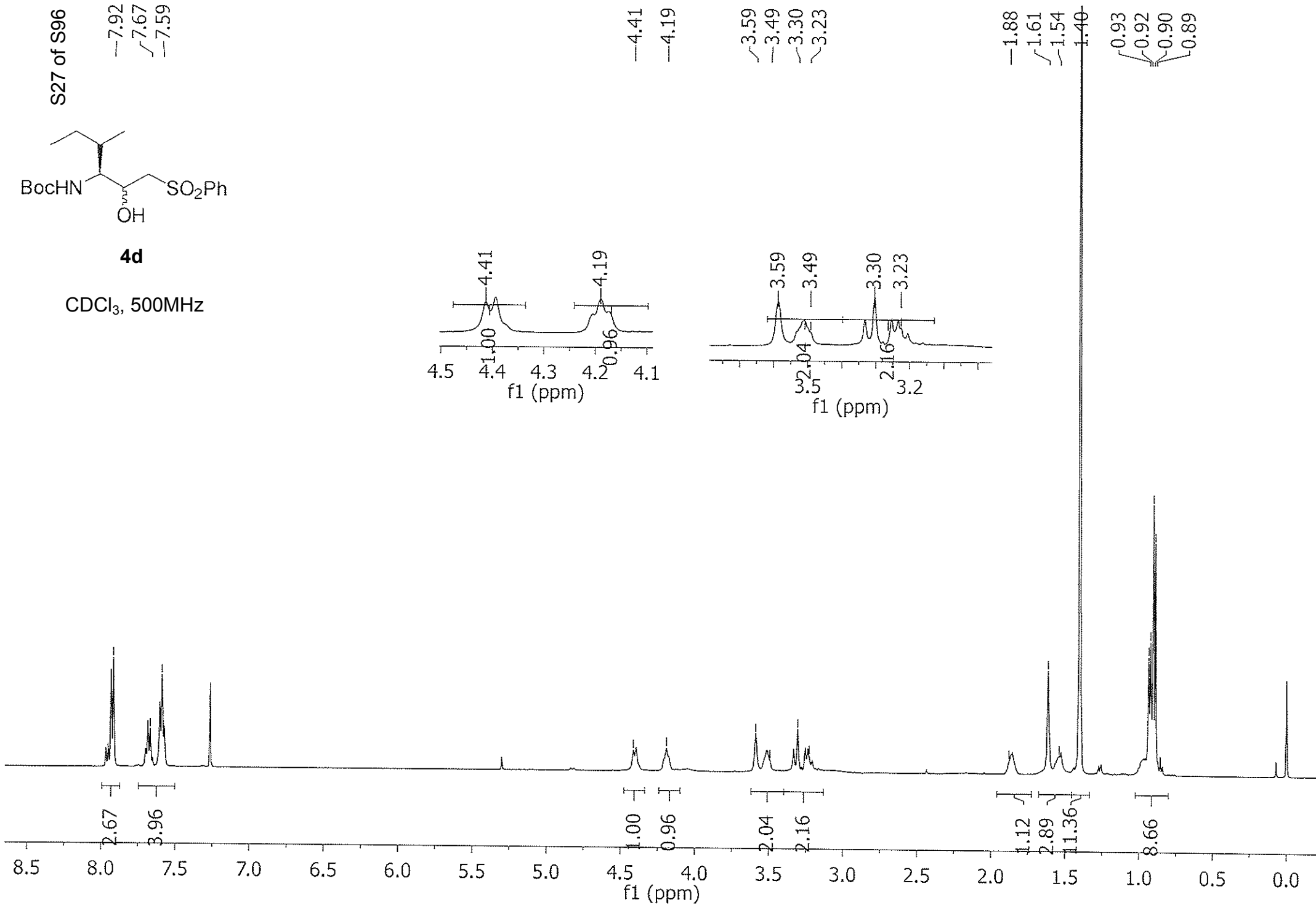
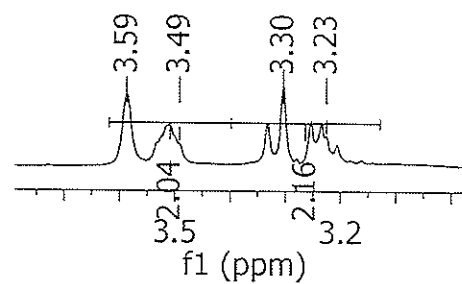
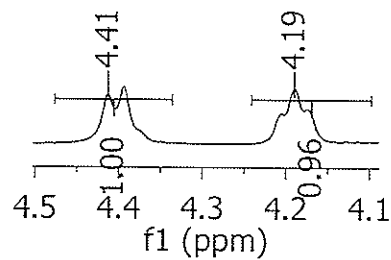
4d

CDCl₃, 500MHz

-4.41
-4.19

3.59
3.49
3.30
3.23

-1.88
-1.61
-1.54
-1.40
0.93
0.92
0.90
0.89



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— 156.47

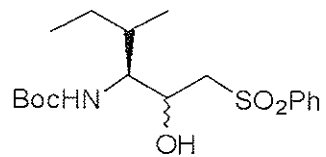
~ 140.63
~ 139.46
~ 134.04
~ 133.69
~ 129.42
~ 129.37
~ 127.88
~ 127.36

~ 79.97
~ 77.27
~ 77.02
~ 76.76

~ 67.10
~ 65.29
~ 60.64
~ 60.31
~ 58.83
~ 58.67

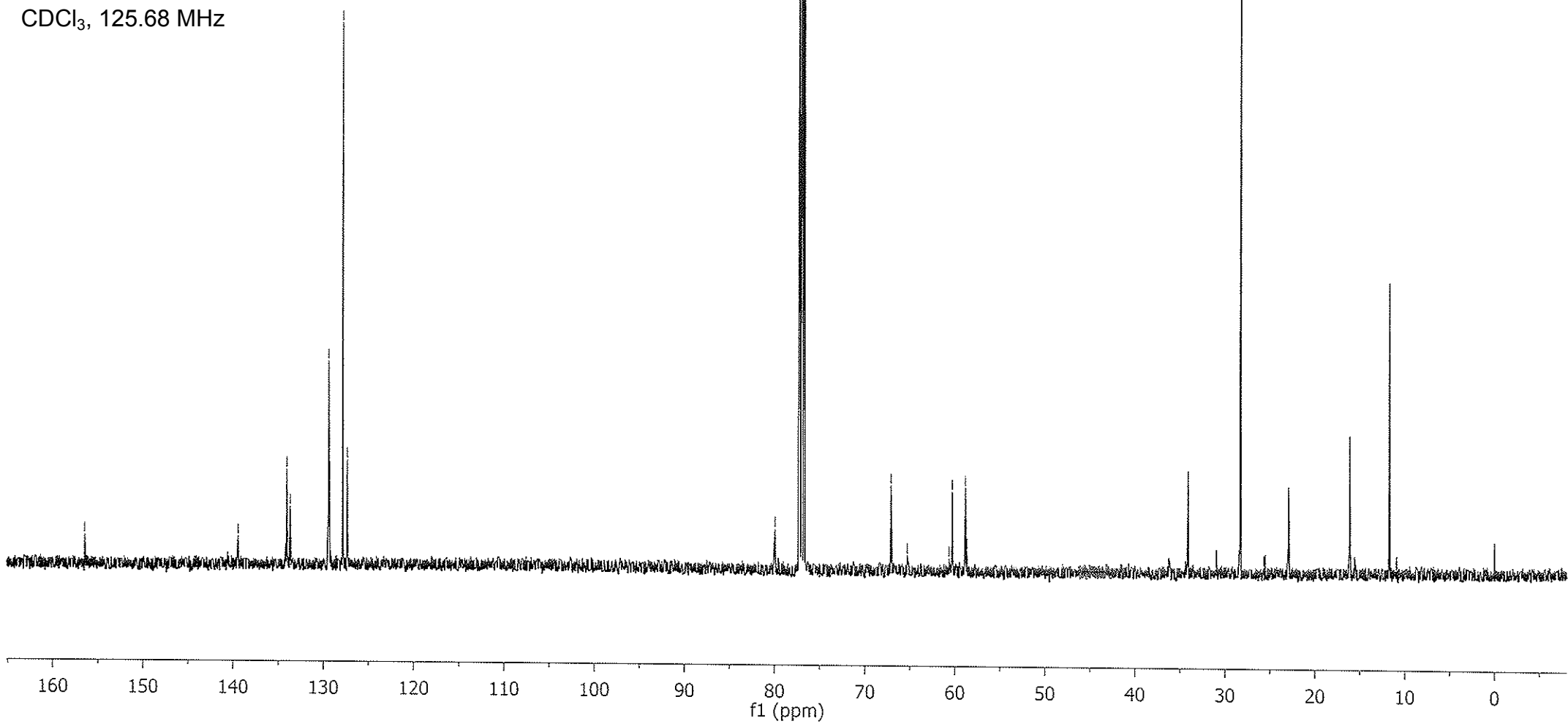
~ 36.24
~ 34.38
~ 30.95
~ 28.41
~ 25.67
~ 23.07

~ 16.28
~ 15.41
~ 11.83
~ 10.95

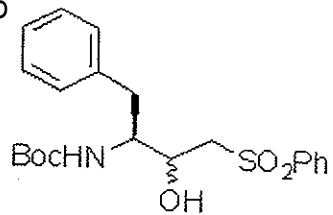


4d

CDCl₃, 125.68 MHz

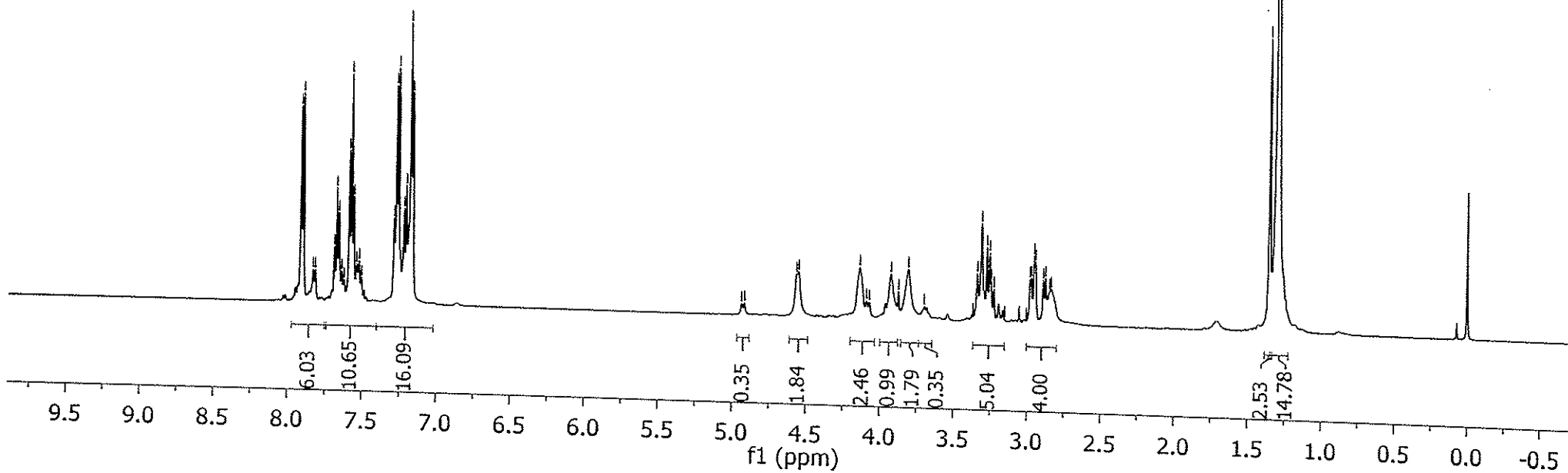


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4e

CDCl₃, 500MHz



S30 of S96
—155.66

—139.10
—136.94
—134.07

—129.44
—129.39
—128.52
—128.46
—127.89
—127.79
—126.61
—126.50

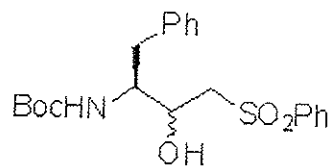
—79.97
—79.79

—68.12
—65.70

—60.35
—59.84

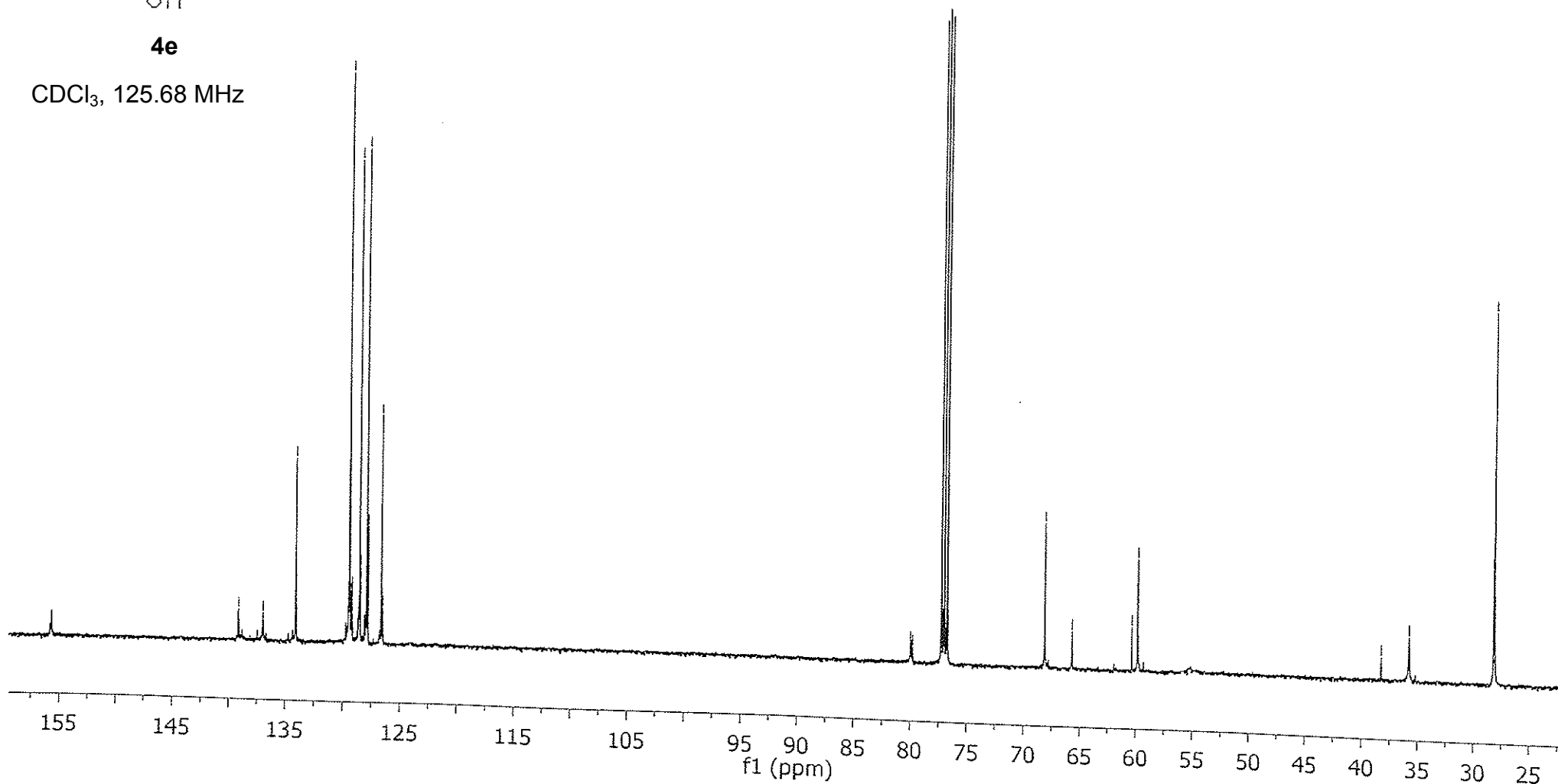
—38.26
—35.78

—28.22
—28.15

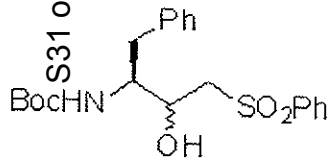


4e

CDCl₃, 125.68 MHz

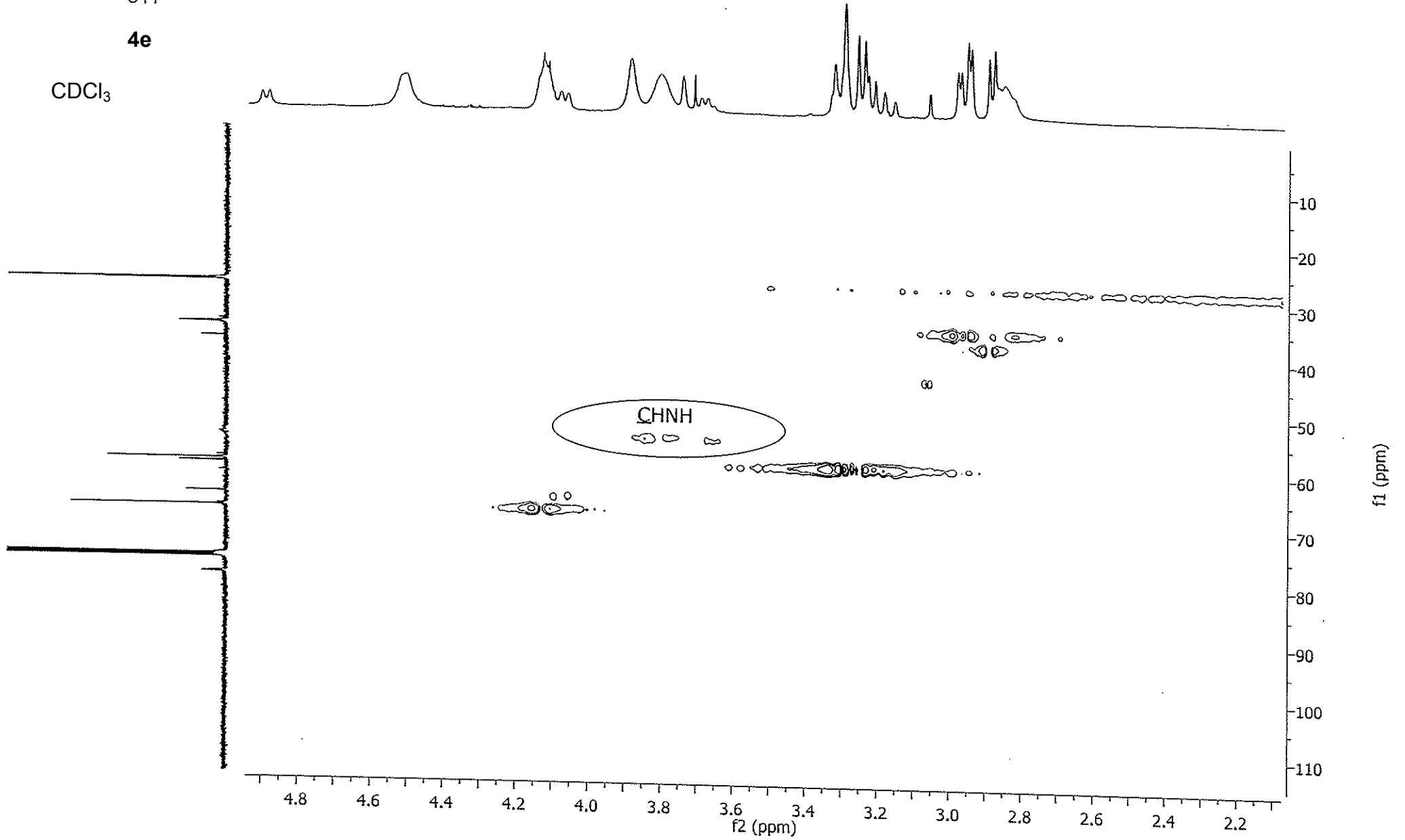


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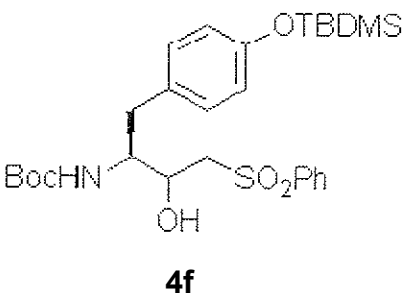


4e

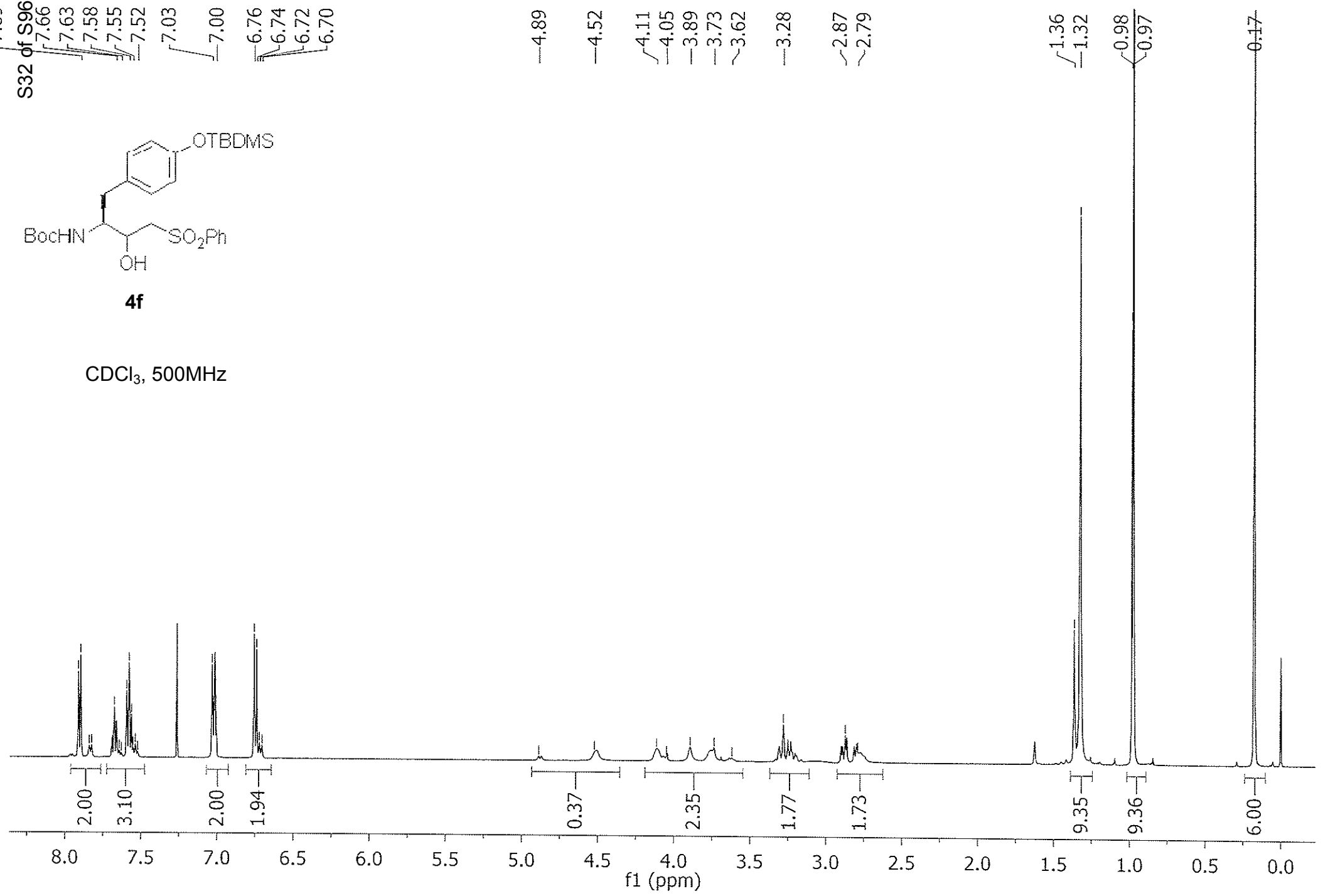
CDCl₃



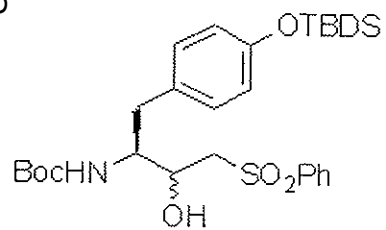
S32 of S96
 7.66
 7.63
 7.58
 7.55
 7.52
 7.03
 7.00
 6.76
 6.74
 6.72
 6.70



CDCl₃, 500MHz

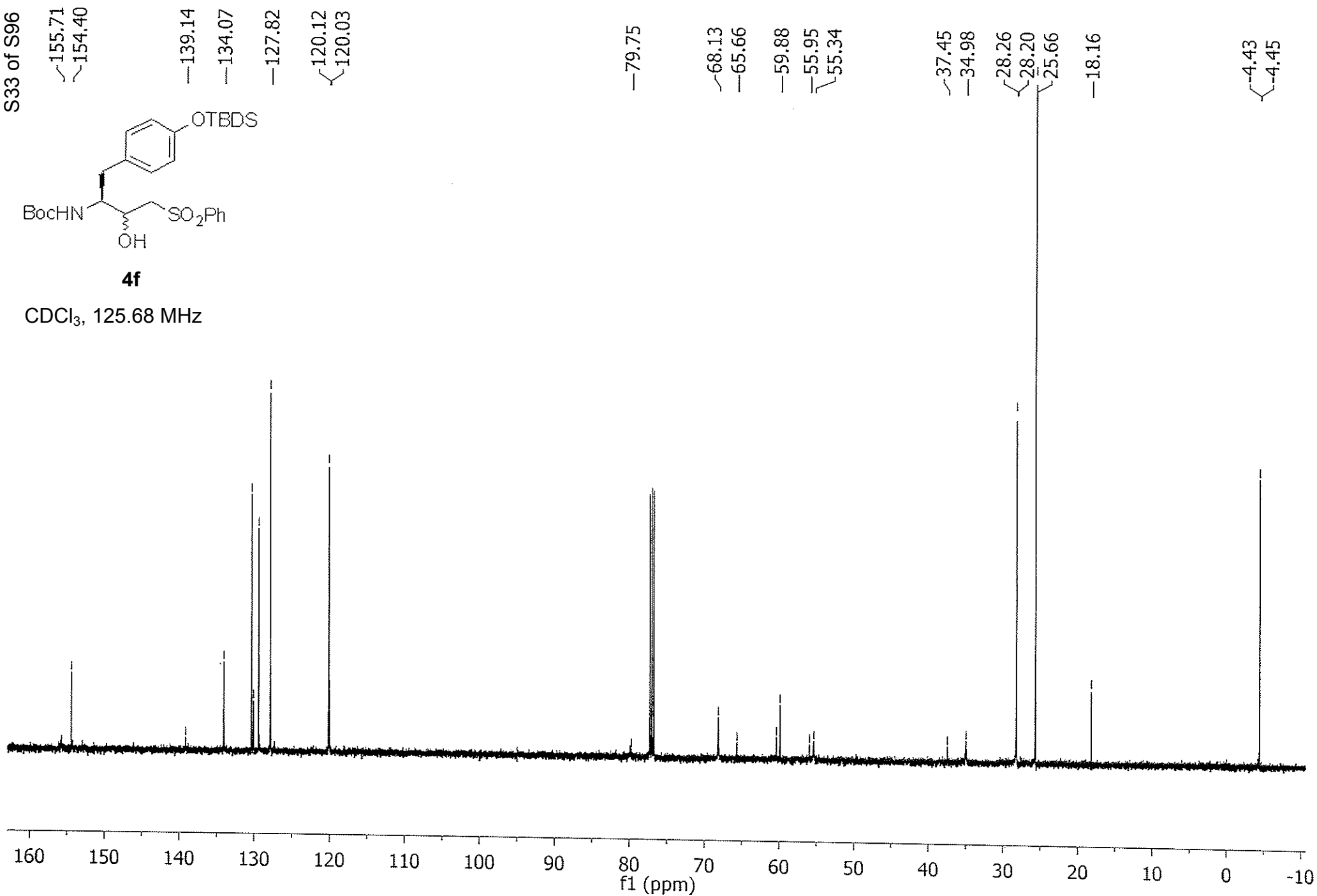


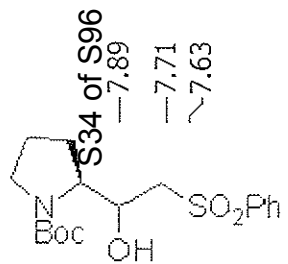
S33 of S96



4f

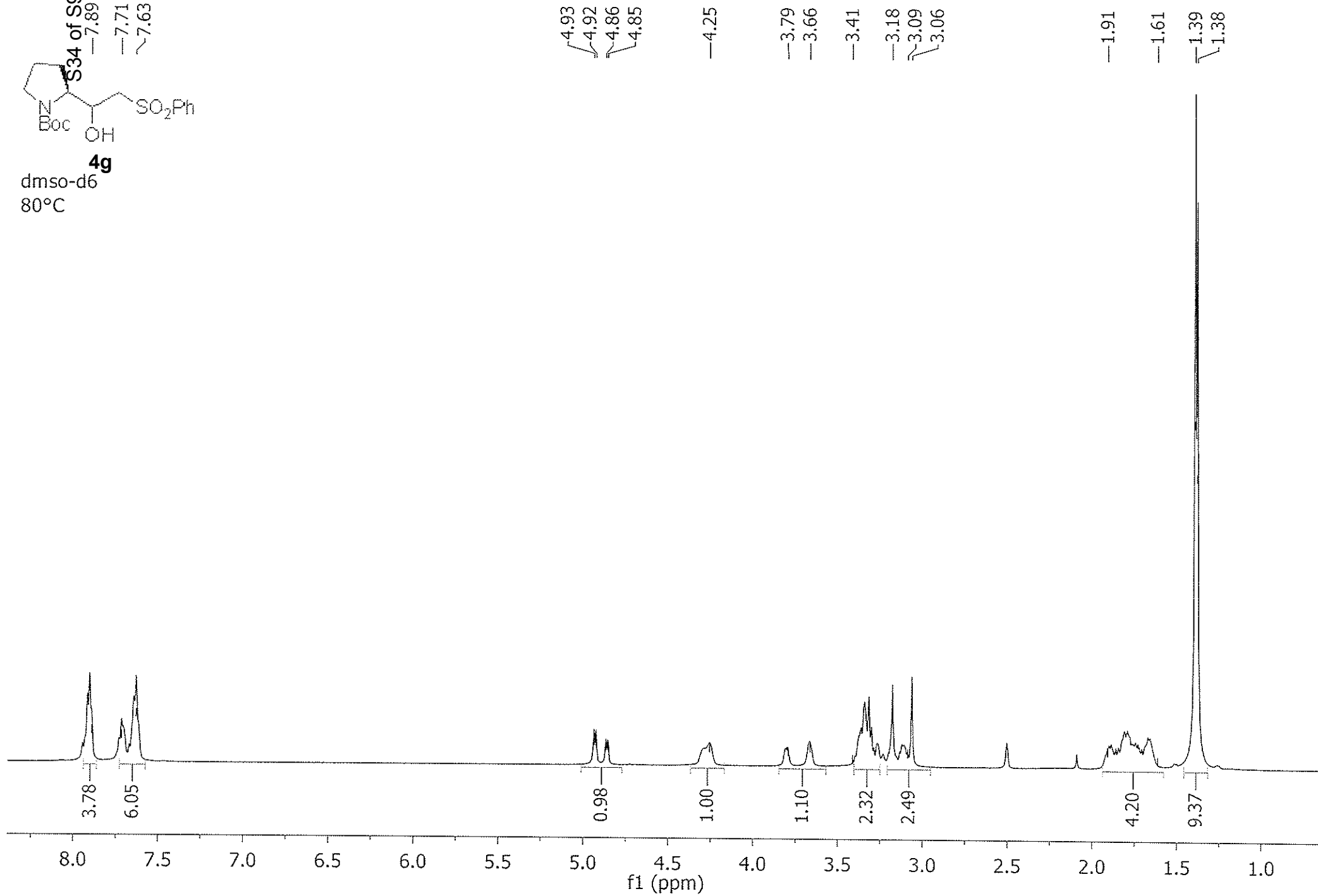
CDCl₃, 125.68 MHz



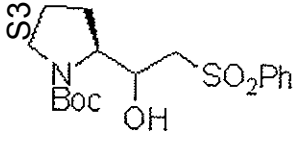


4g

dms0-d6
80°C



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4g

dmsO-d6
80°C

153.84
153.46

140.27
140.26
132.87
132.83
128.84
128.63
128.59
127.14
127.08
126.27

78.33
78.10

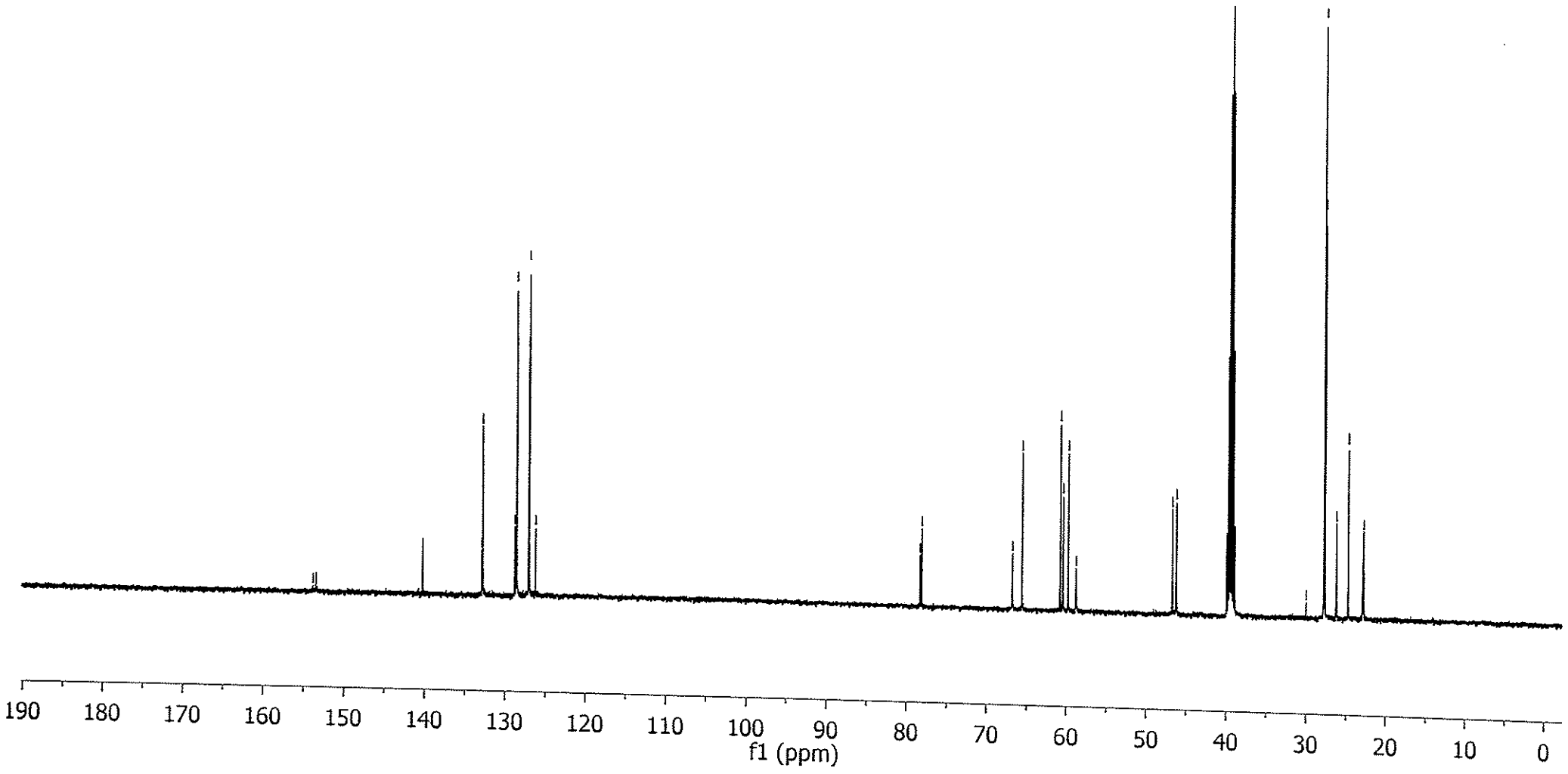
66.79
65.58
60.76

59.79
58.79

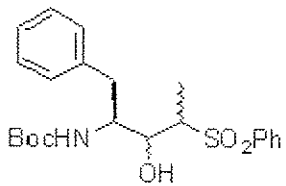
46.74
46.24

30.00
27.75
27.64
26.19
24.73
22.89
22.81

ok

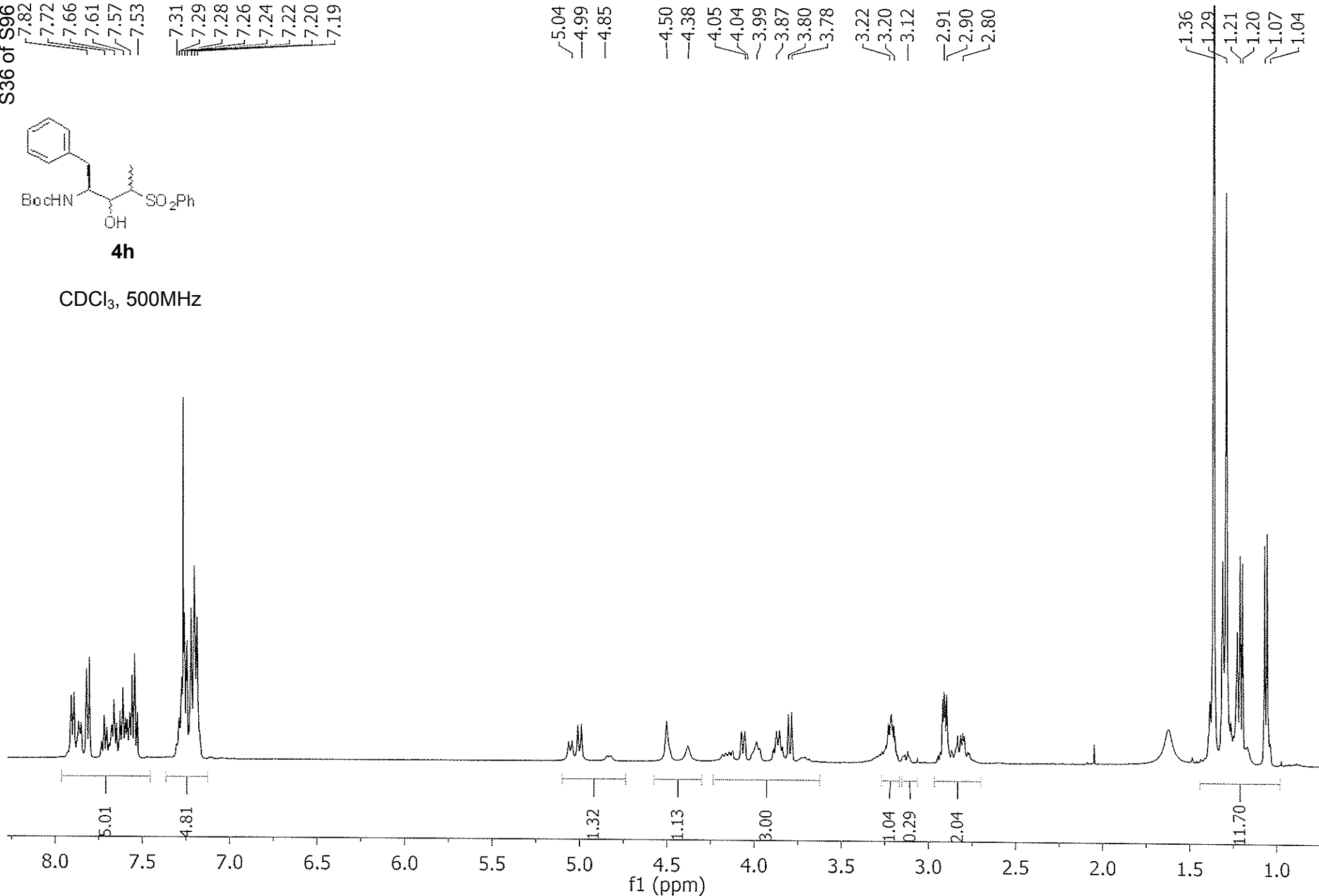


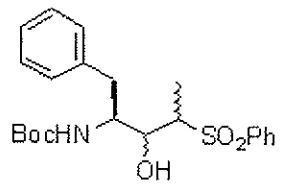
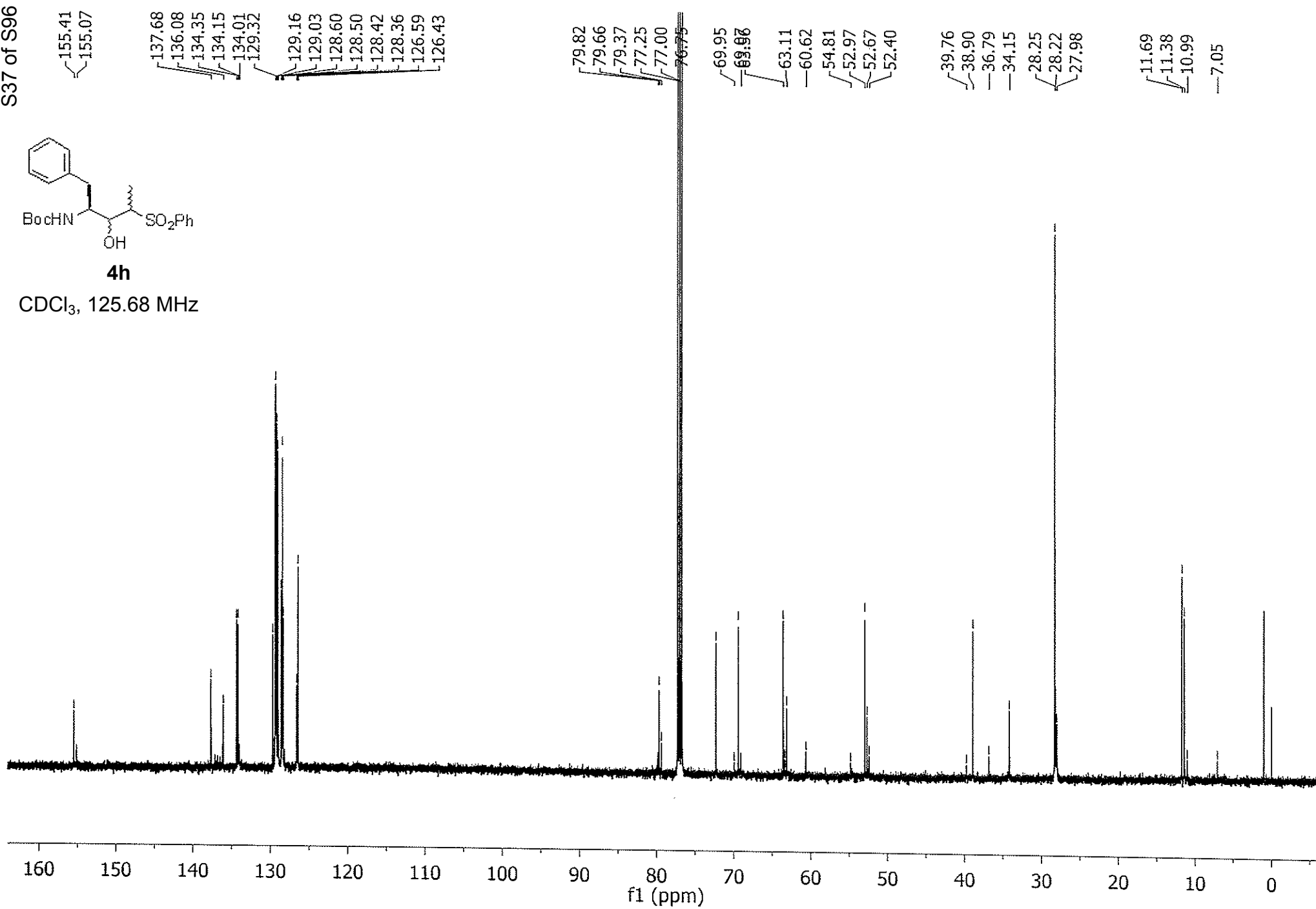
S36 of S96



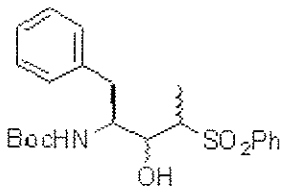
4h

CDCl₃, 500MHz



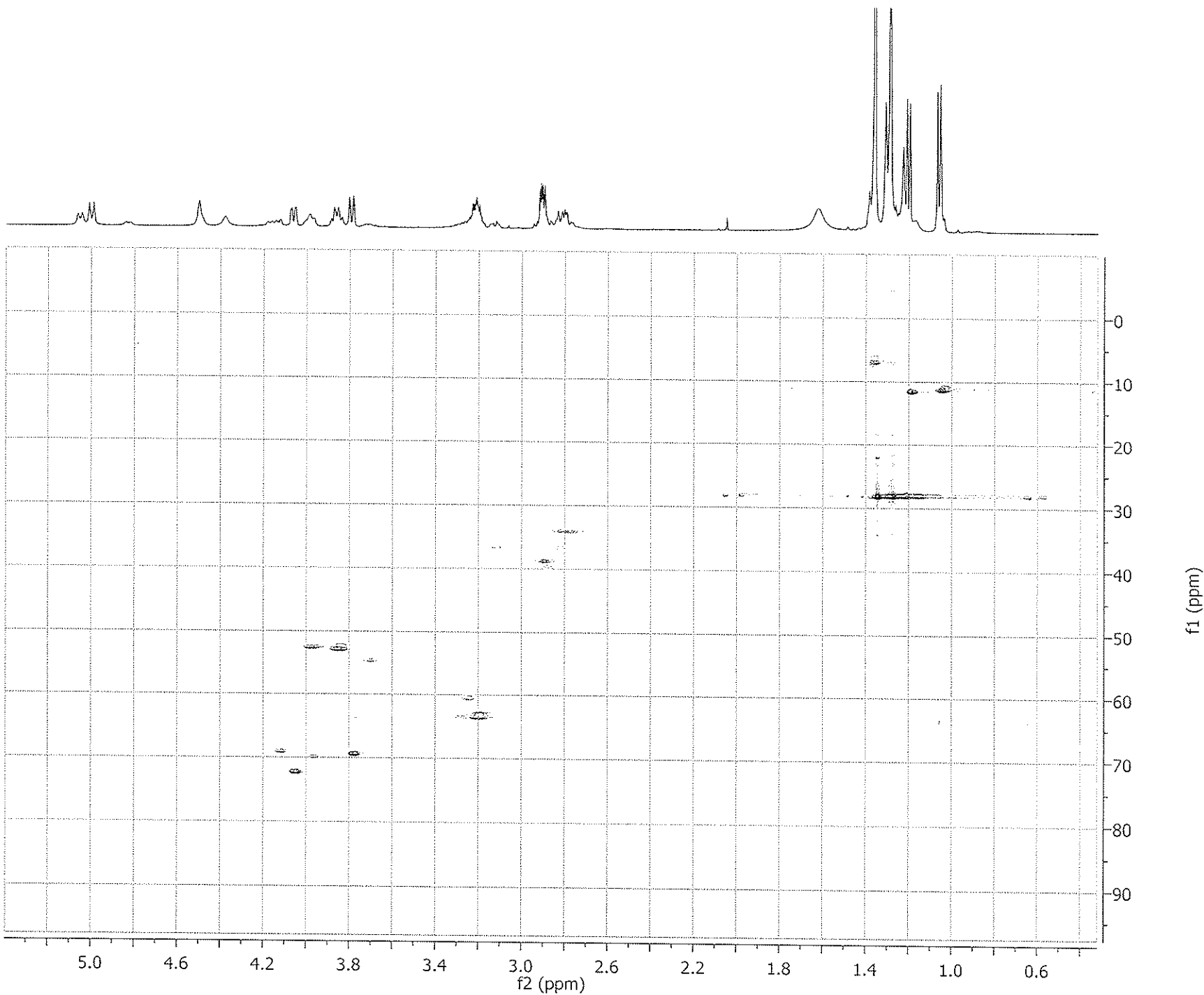
**4h**CDCl₃, 125.68 MHz

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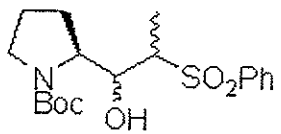


4h

CDCl₃



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4i

CDCl₃, 500MHz

7.93
7.91
7.63
7.61
7.56
7.54
7.52

5.18

4.40

3.73

3.50

3.37

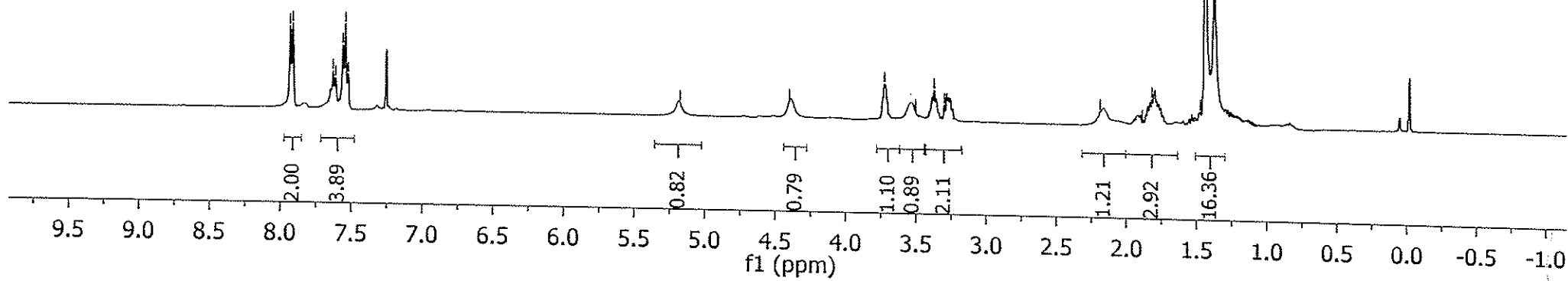
3.30

2.19

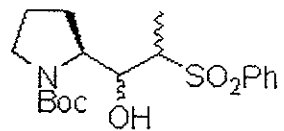
1.82

1.48

1.38

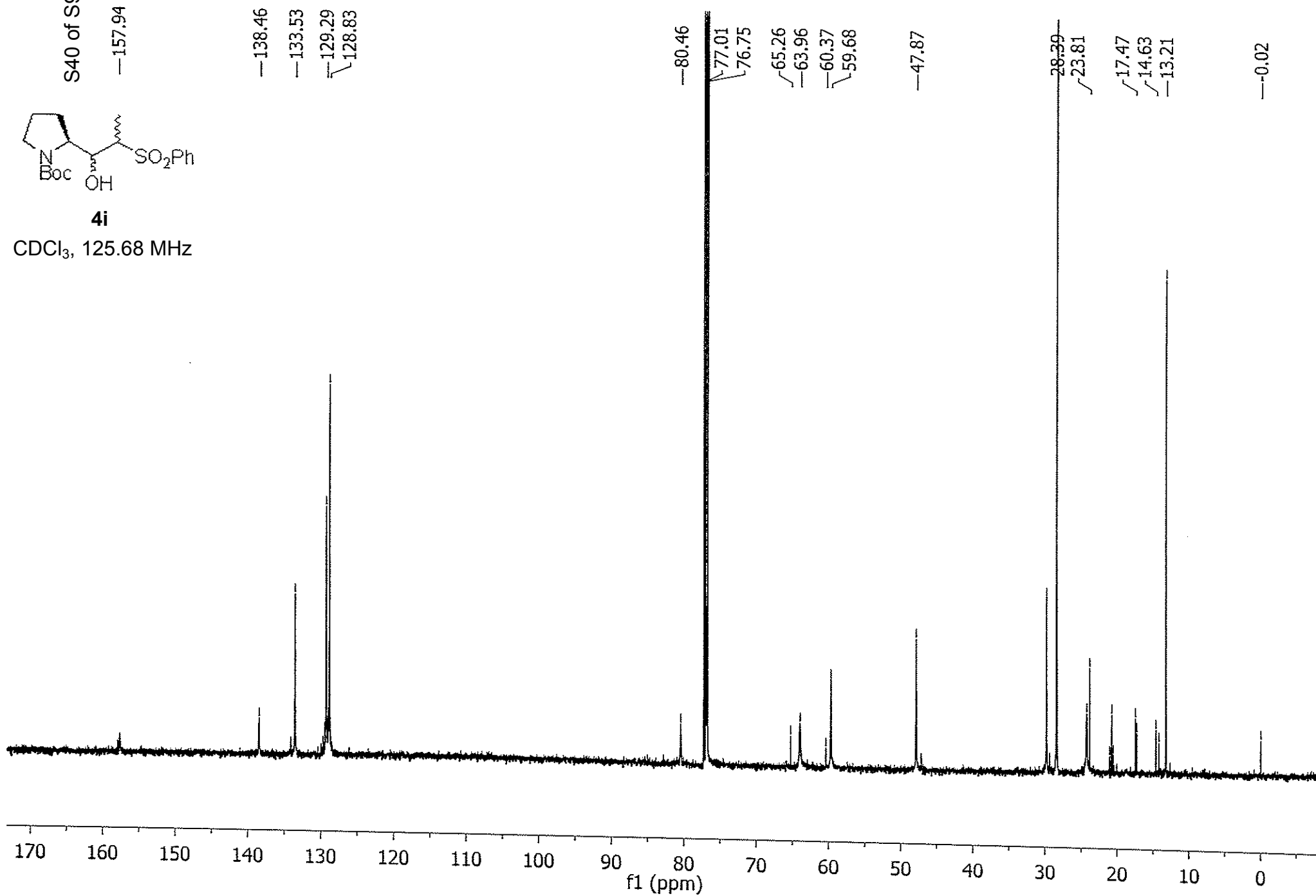


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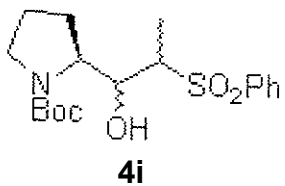


4i

CDCl₃, 125.68 MHz

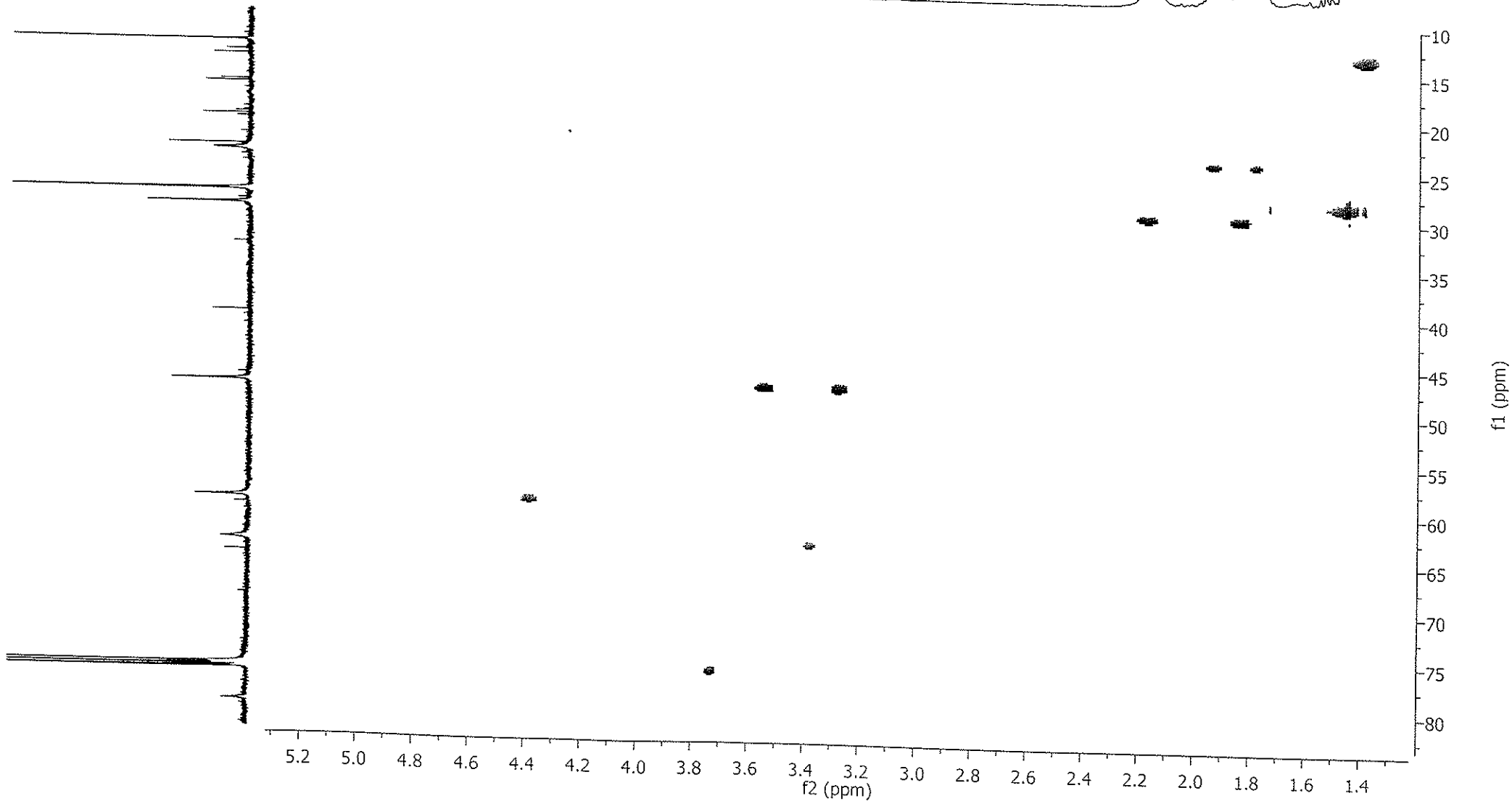


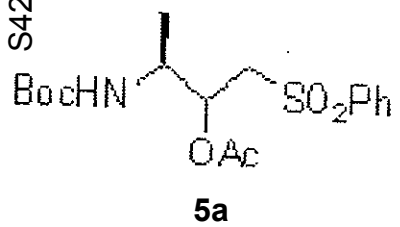
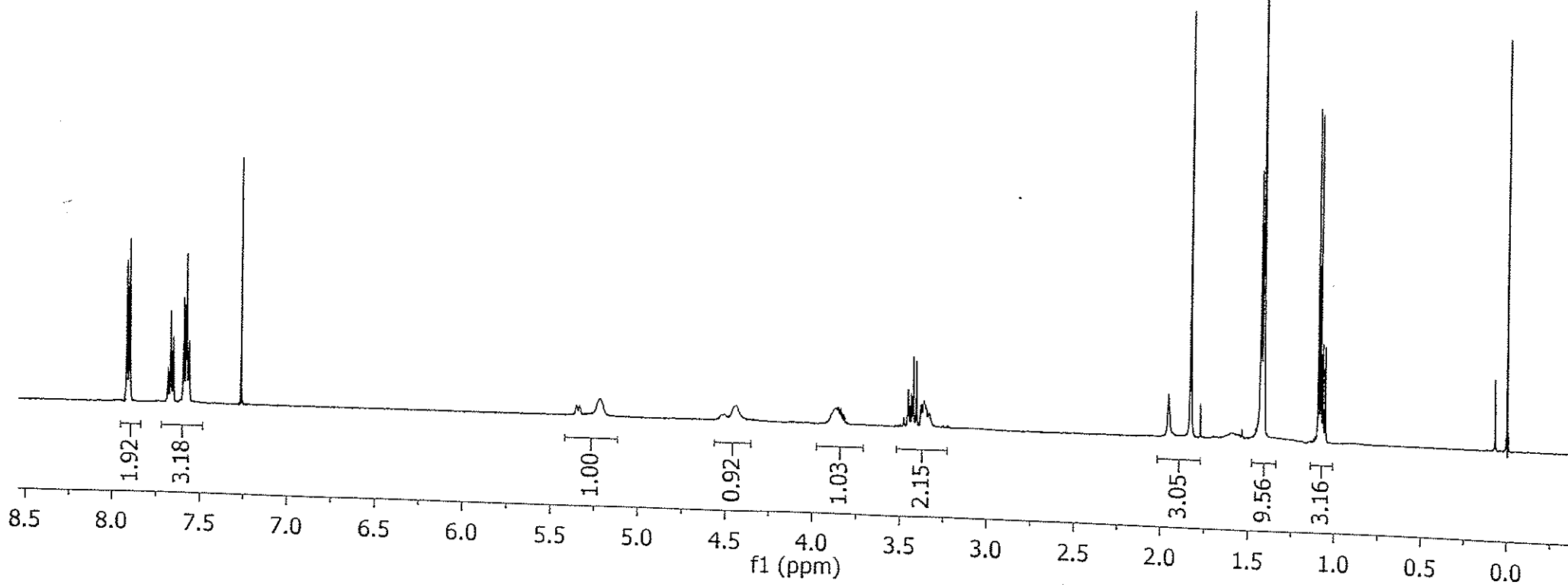
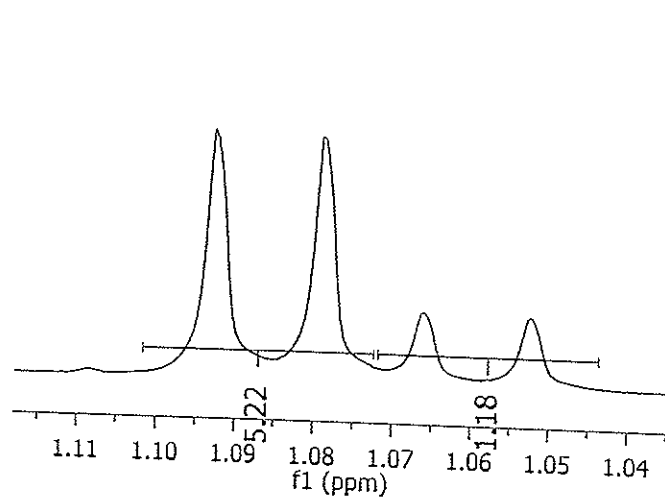
S41 of S96



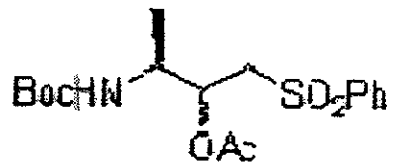
CDCl₃

OK



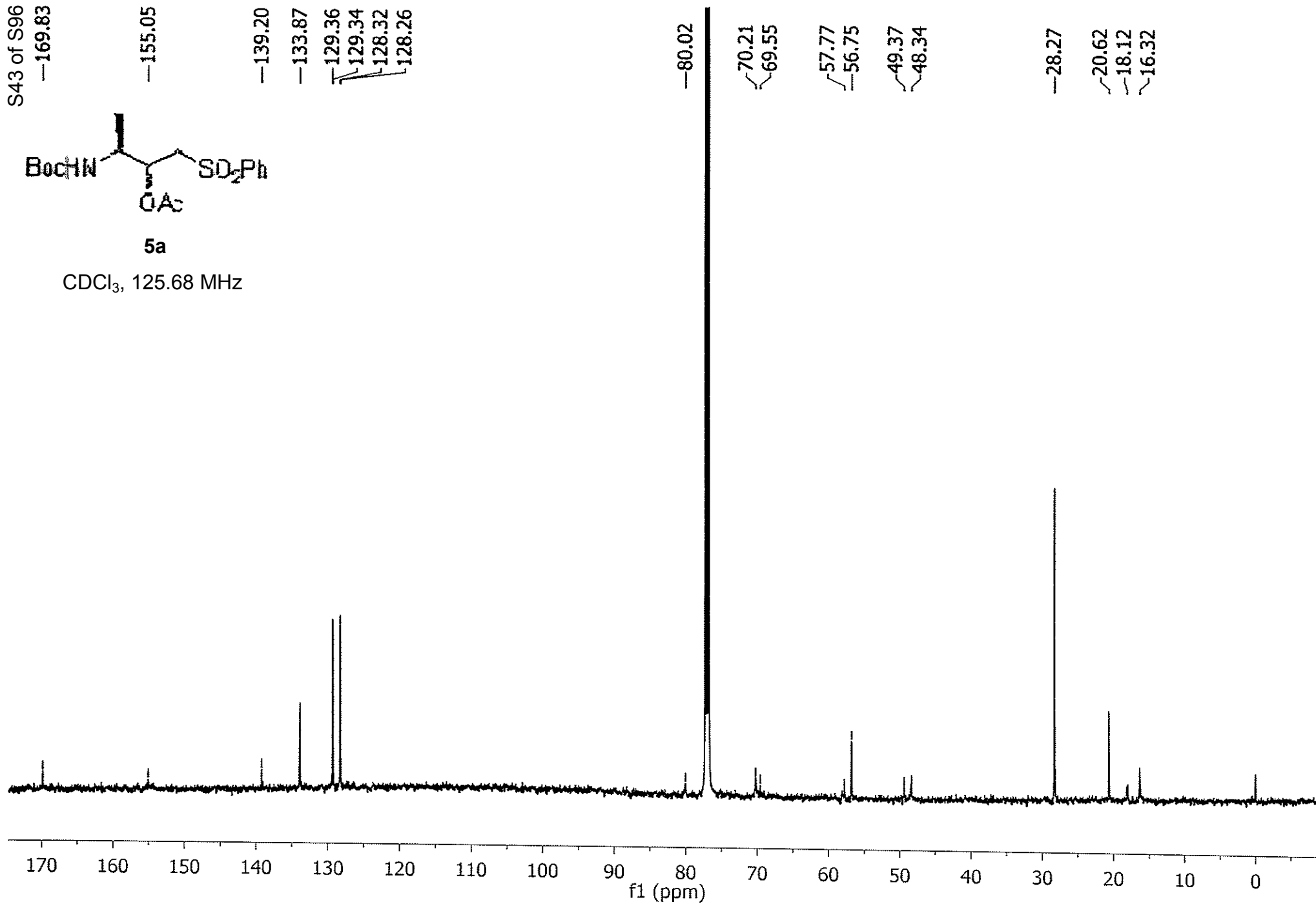
CDCl₃, 500MHz

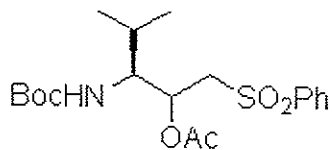
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5a

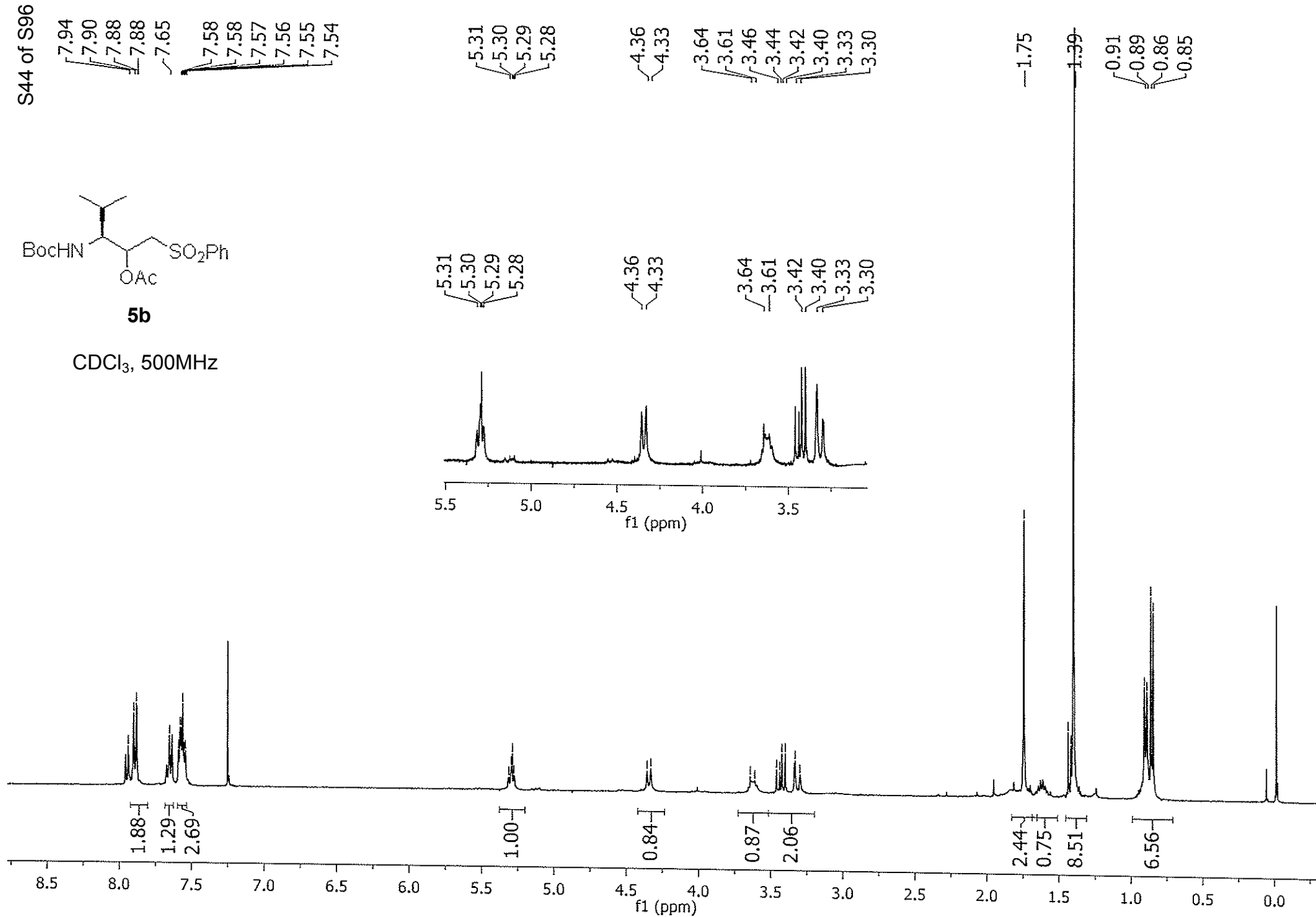
CDCl₃, 125.68 MHz

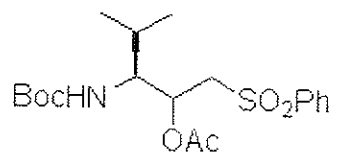
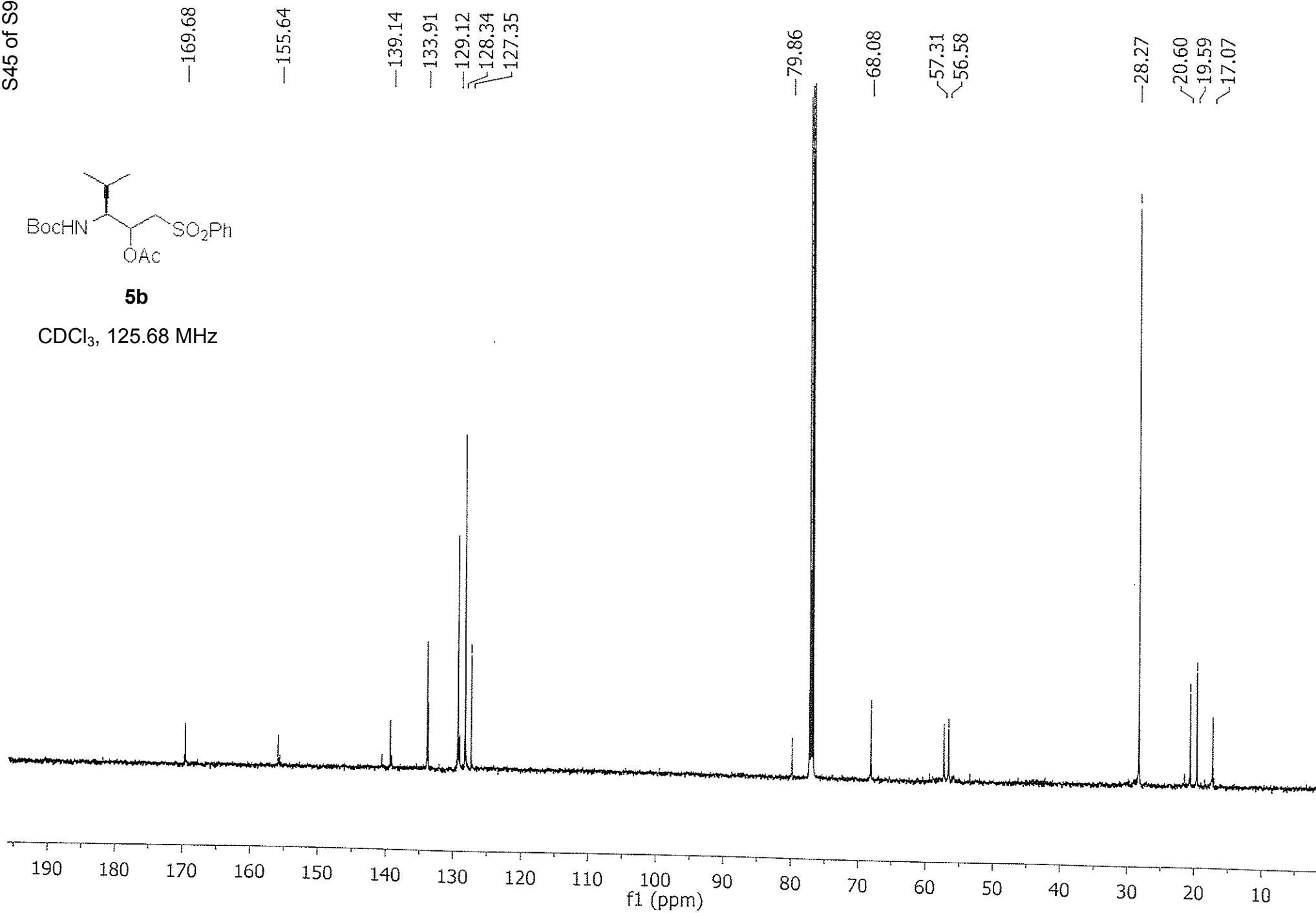




5b

CDCl₃, 500MHz



**5b**CDCl₃, 125.68 MHz

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—169.74

—155.44

—139.25

—133.82

129.31

129.27

128.33

128.26

127.34

79.94
79.80

70.12
69.14

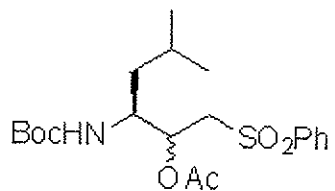
57.89
56.35

52.01
50.58

41.13
39.56

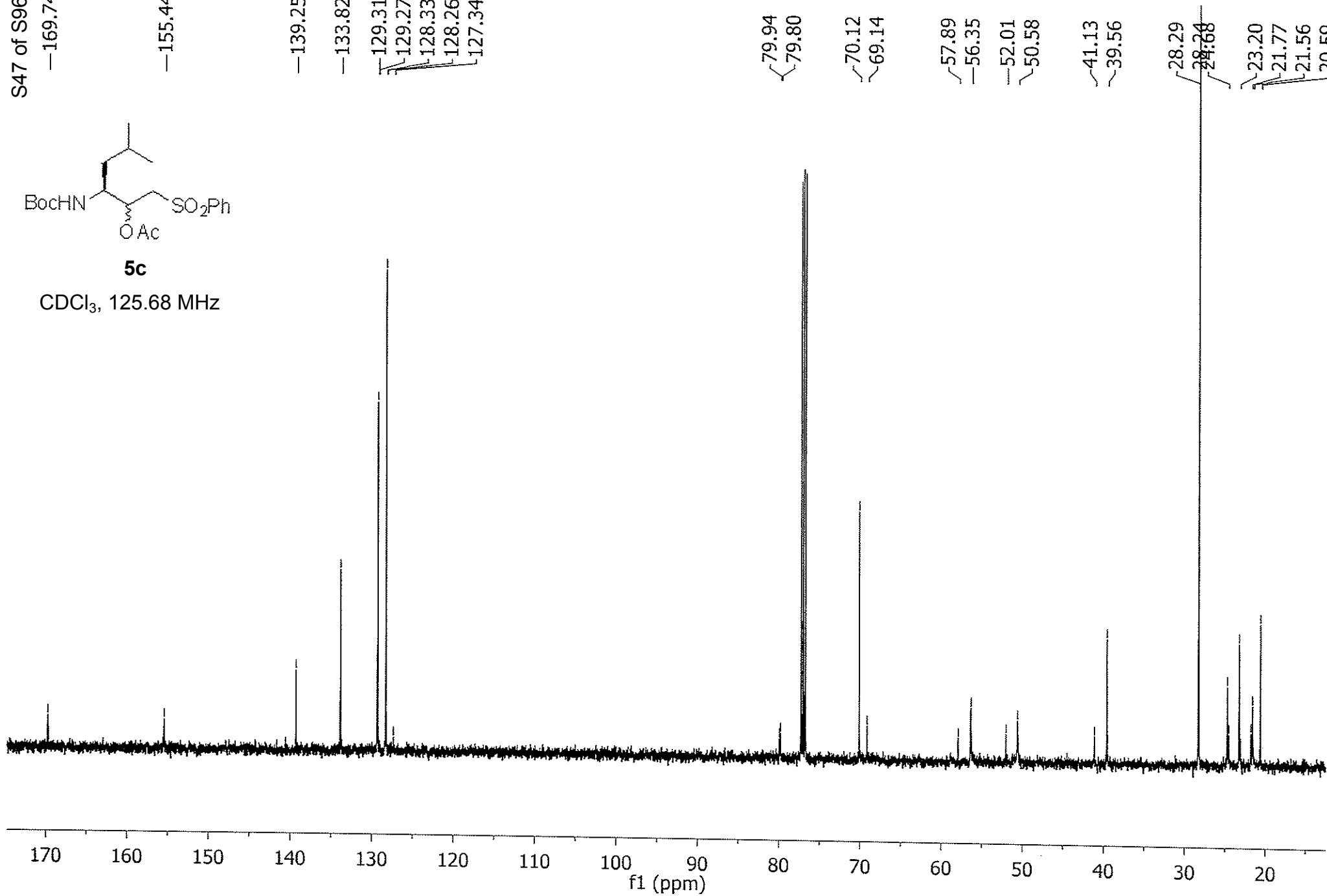
28.29
28.24
28.68

23.20
21.77
21.56
20.59



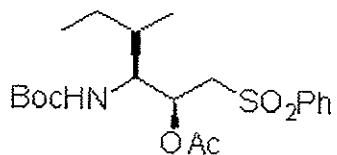
5c

CDCl₃, 125.68 MHz



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-7.89
-7.66
-7.57



5d

CDCl₃, 500MHz

-5.35

-4.30

-3.68

-3.45
-3.42
-3.41
-3.31
-3.28

-1.73

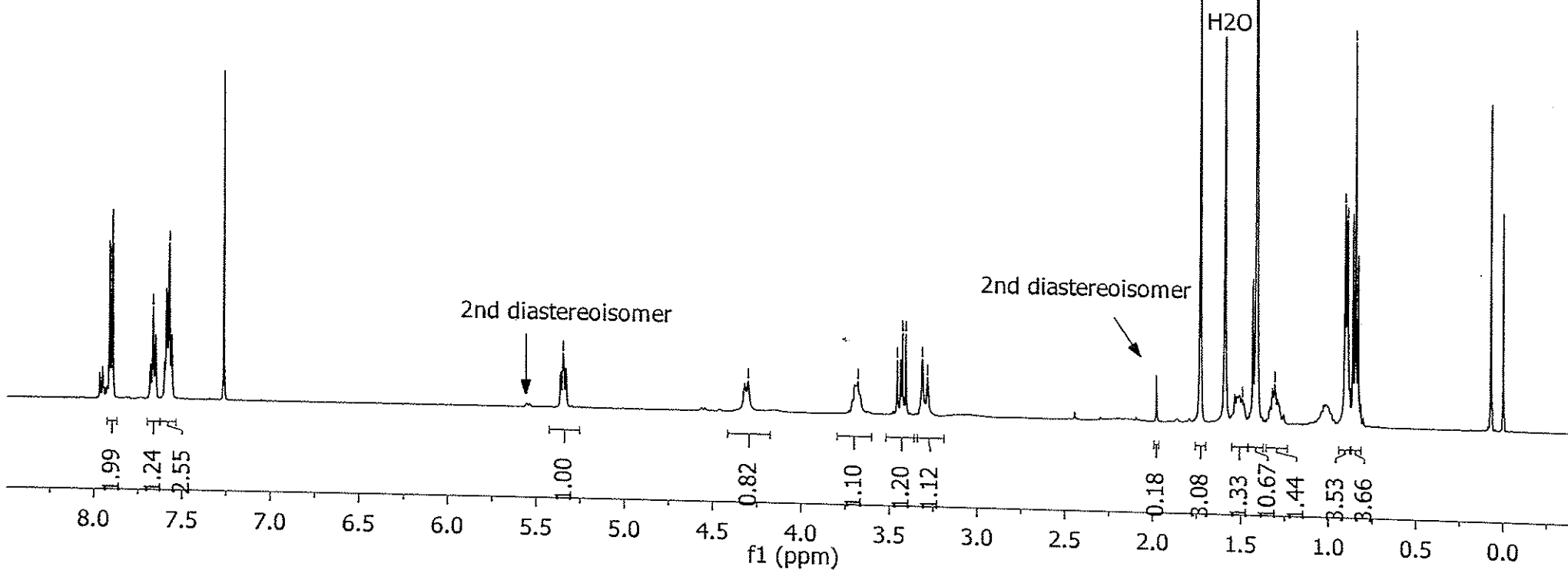
-1.41

-1.30

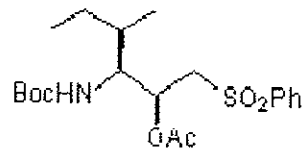
-0.90

-0.89

-0.84

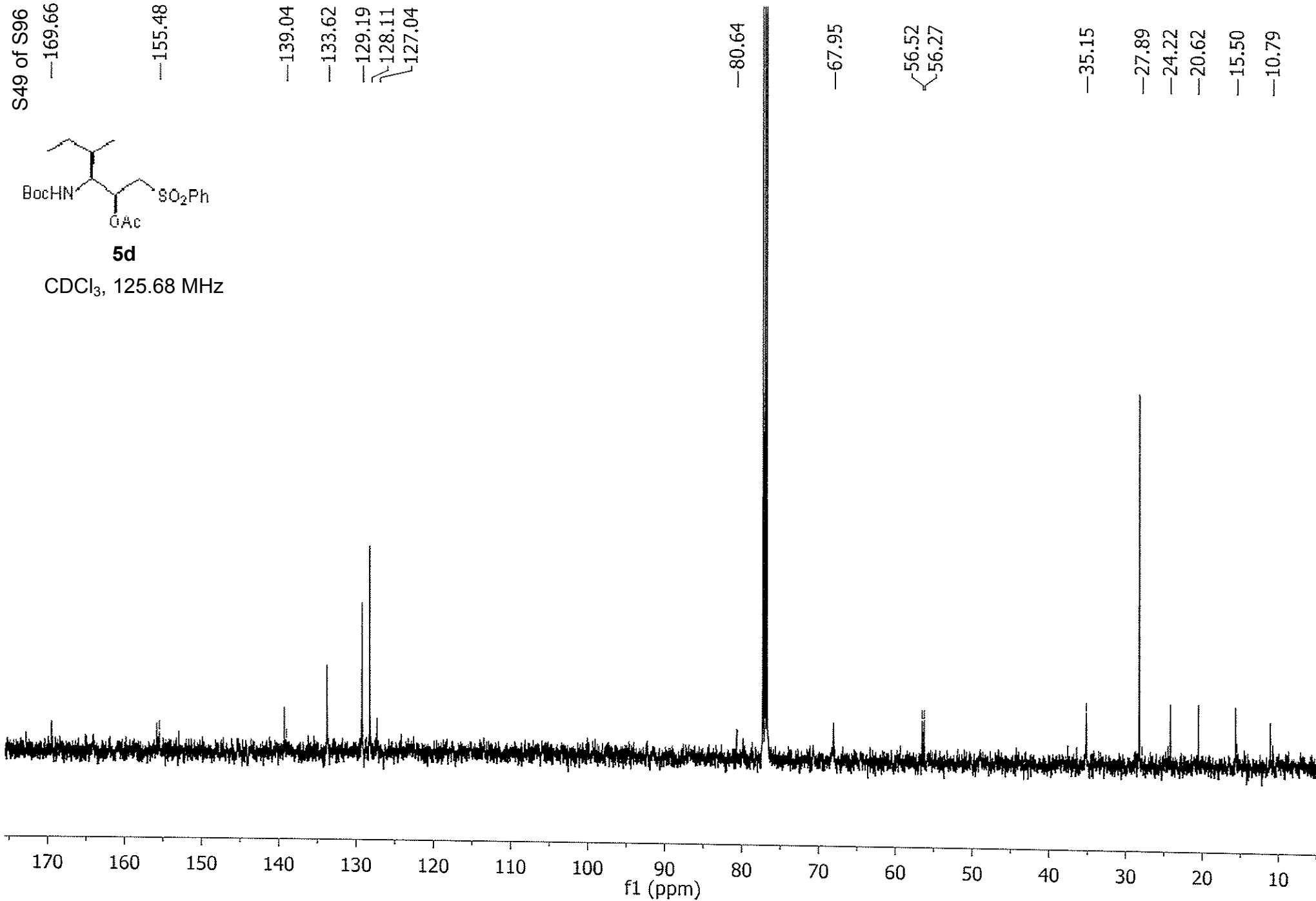


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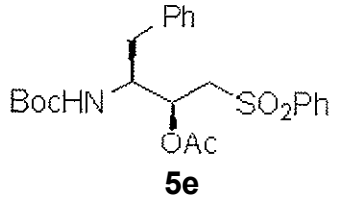


5d

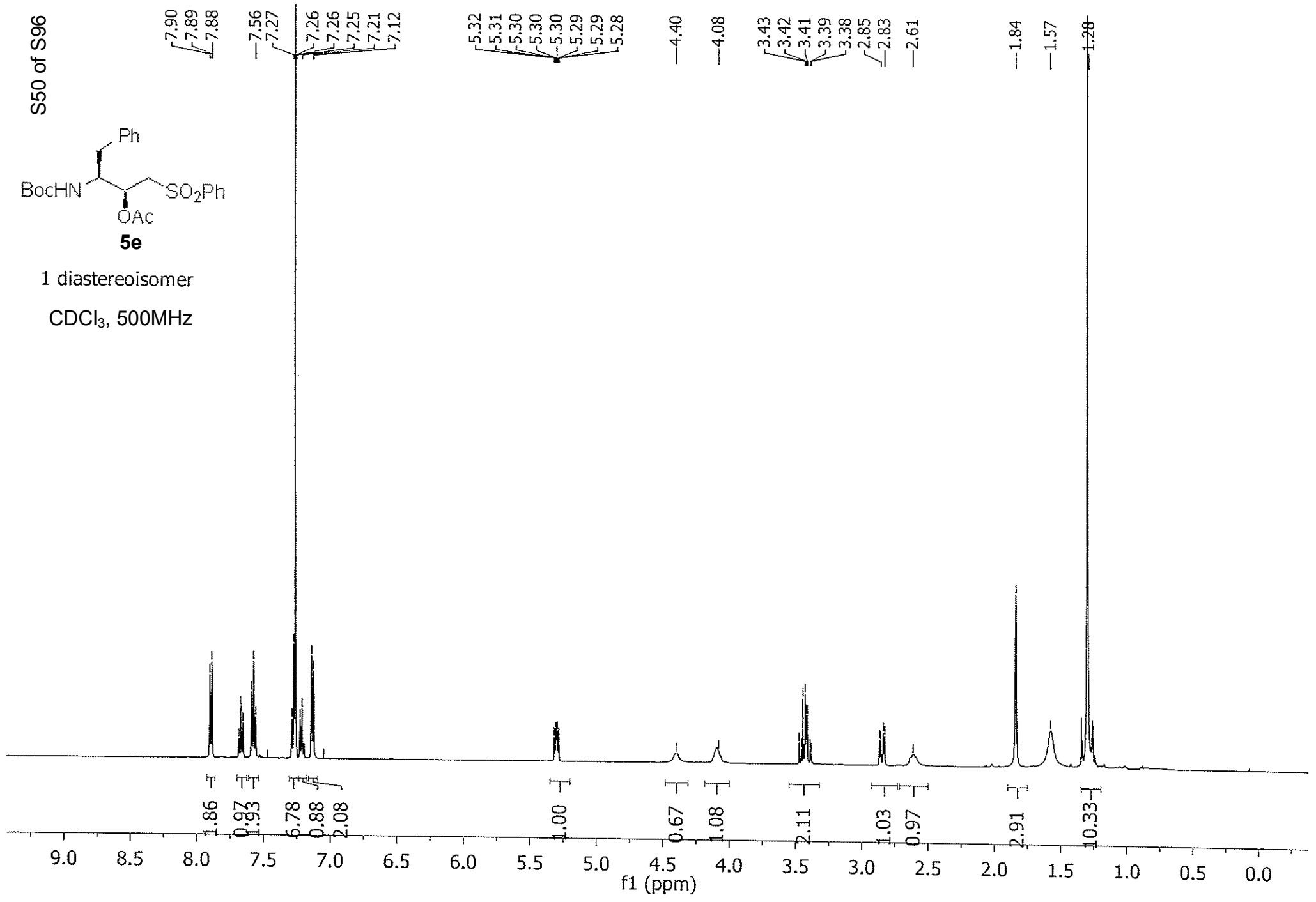
CDCl₃, 125.68 MHz



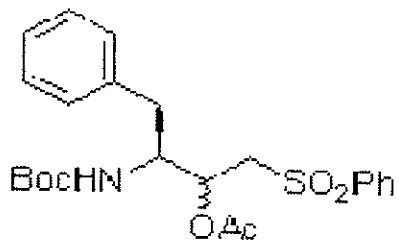
S50 of S96



1 diastereoisomer
CDCl₃, 500MHz



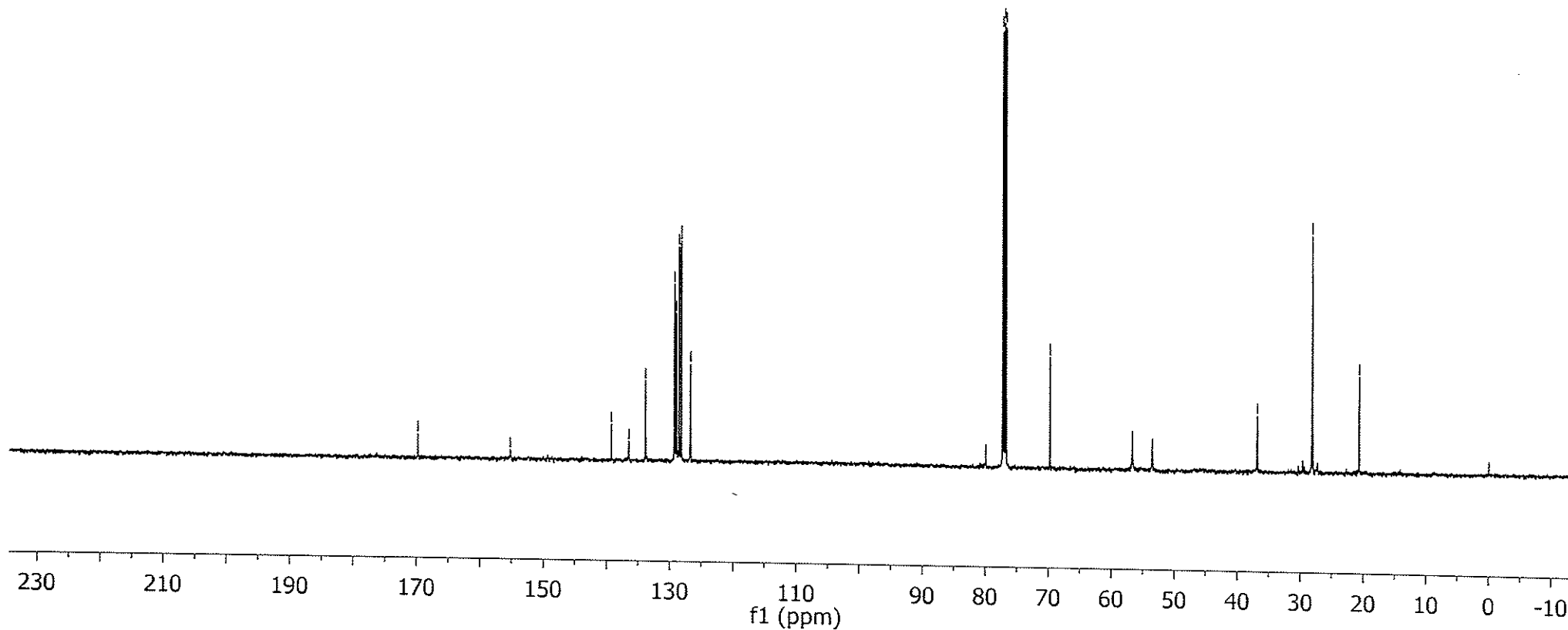
S51 of S96

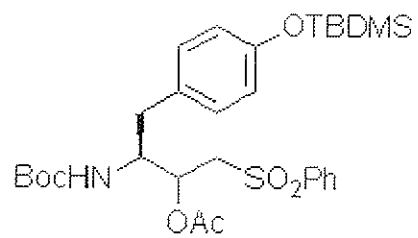
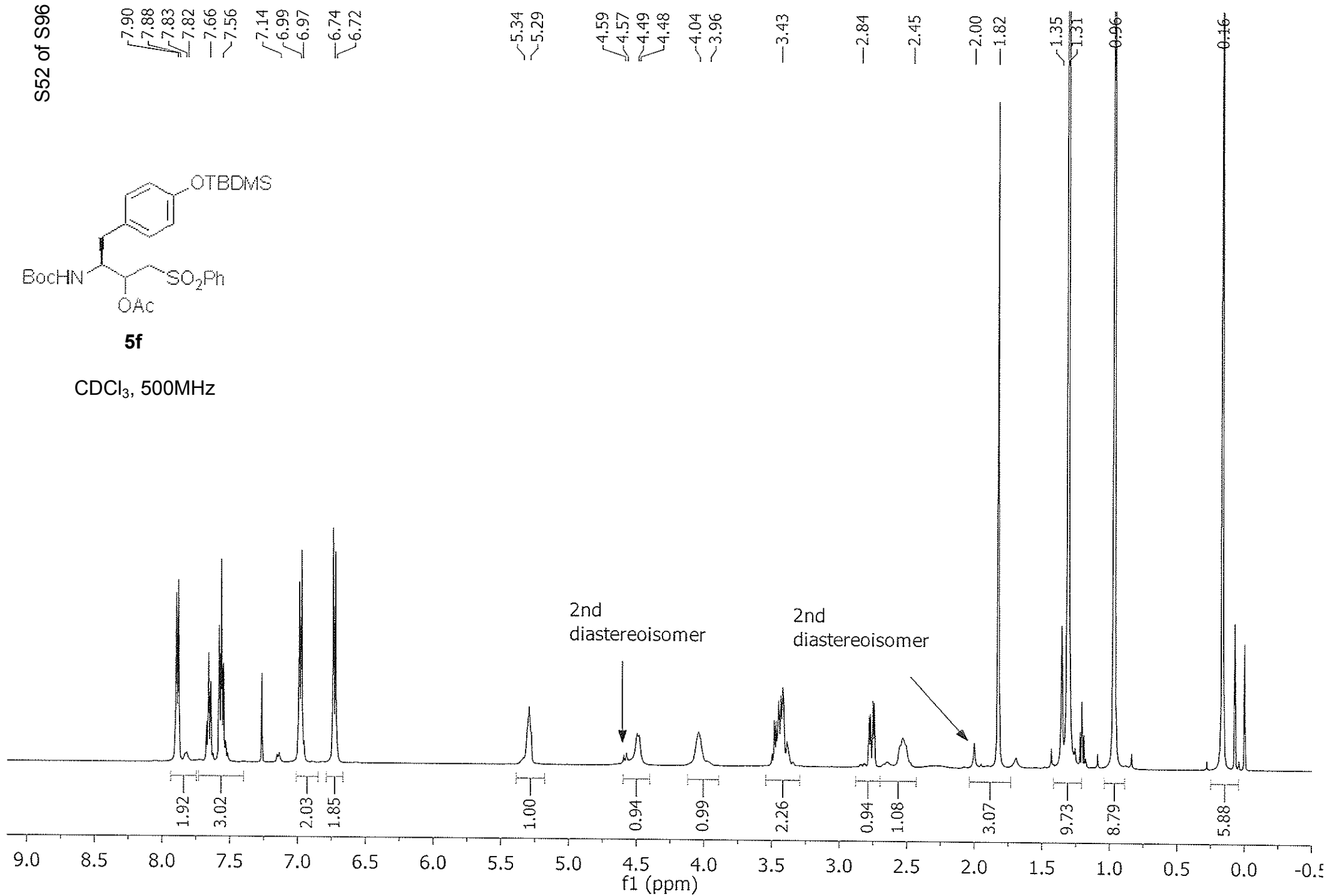


5e

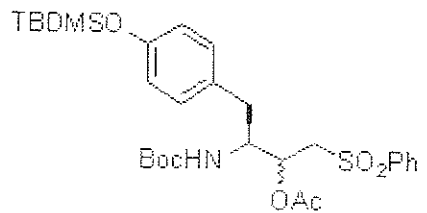
CDCl₃, 125.68 MHz

- 169.84
- 169.84
- 155.26
- 155.26
- 139.26
- 136.52
- 133.84
- 129.29
- 129.01
- 128.57
- 128.22
- 126.76
- 79.99
- 79.95
- 77.25
- 77.00
- 76.75
- 69.75
- 56.66
- 56.64
- 53.56
- 53.50
- 36.82
- 36.82
- 28.12
- 20.63
- 20.63



**5f**CDCl₃, 500MHz

S53 of S96



5f

CDCl₃, 125.68 MHz

169.80
155.27
154.42
139.25
133.79
129.90
129.26
128.19
120.12

79.86

69.66

68.16

56.64

53.52

35.92

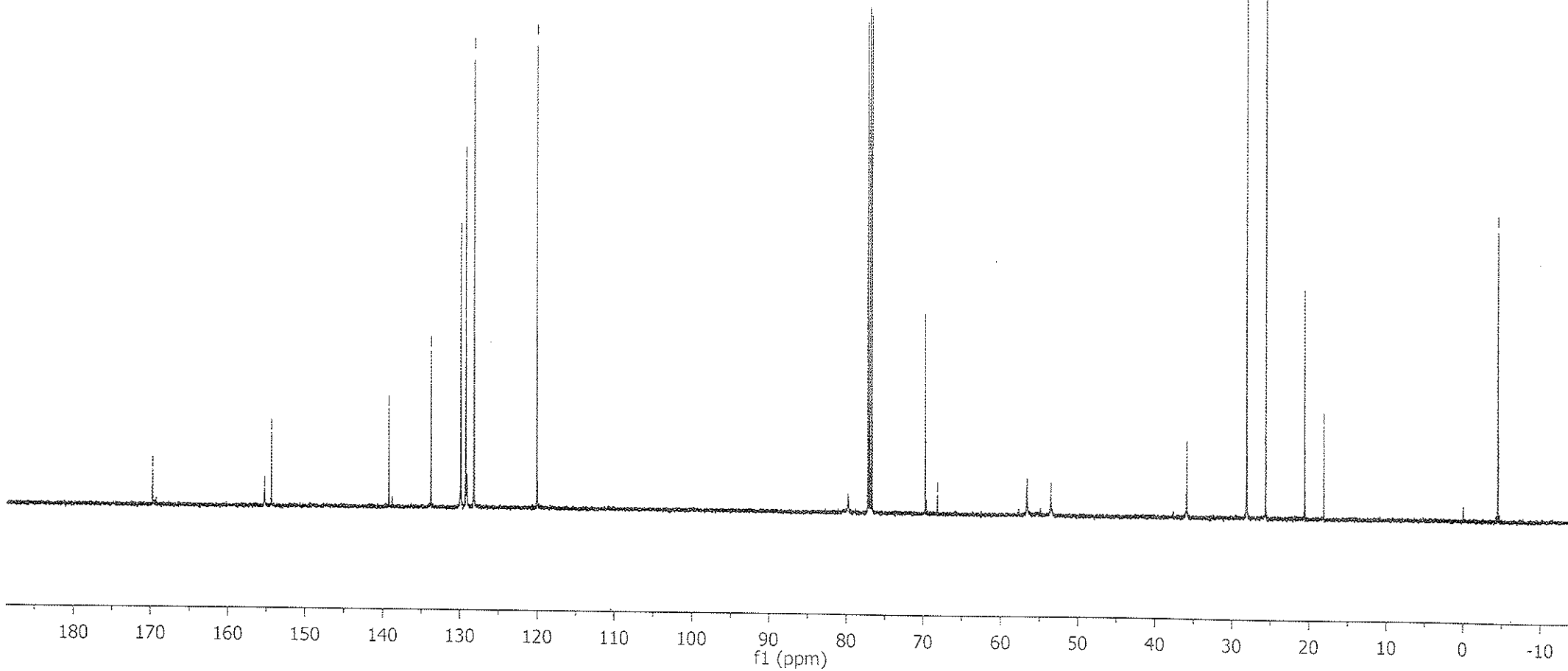
28.14

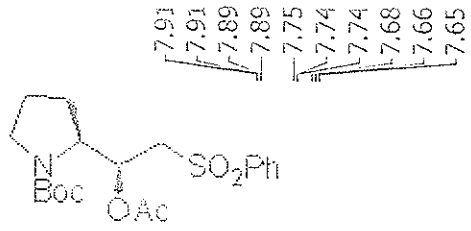
25.63

20.55

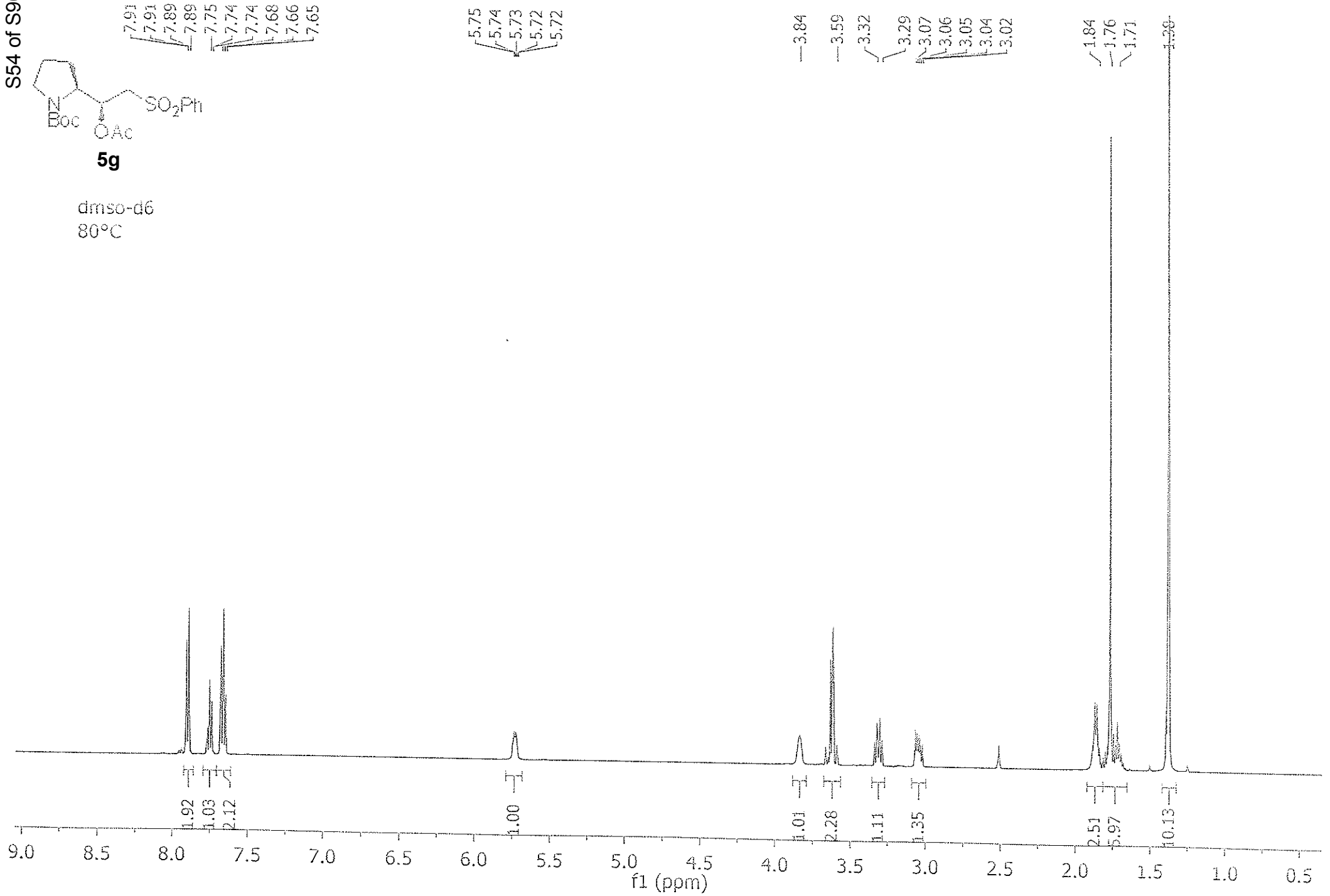
18.15

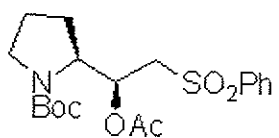
4.49



**5g**

dmsd-d6
80°C



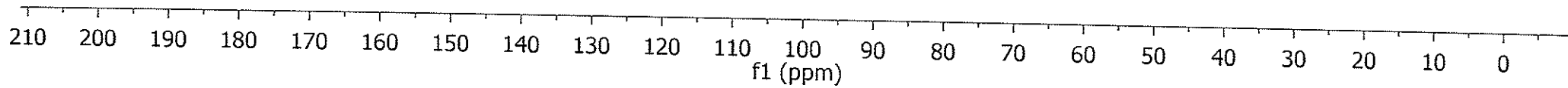


5g

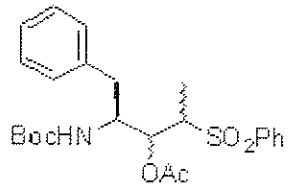
dms0-d6
80°C

1 diastereoisomer

- 168.12
- 153.16
- 139.08
- 132.99
- 128.22
- 127.24
- 78.05
- 66.88
- 58.84
- 55.63
- 45.73
- 27.20
- 24.67
- 22.43
- 19.53

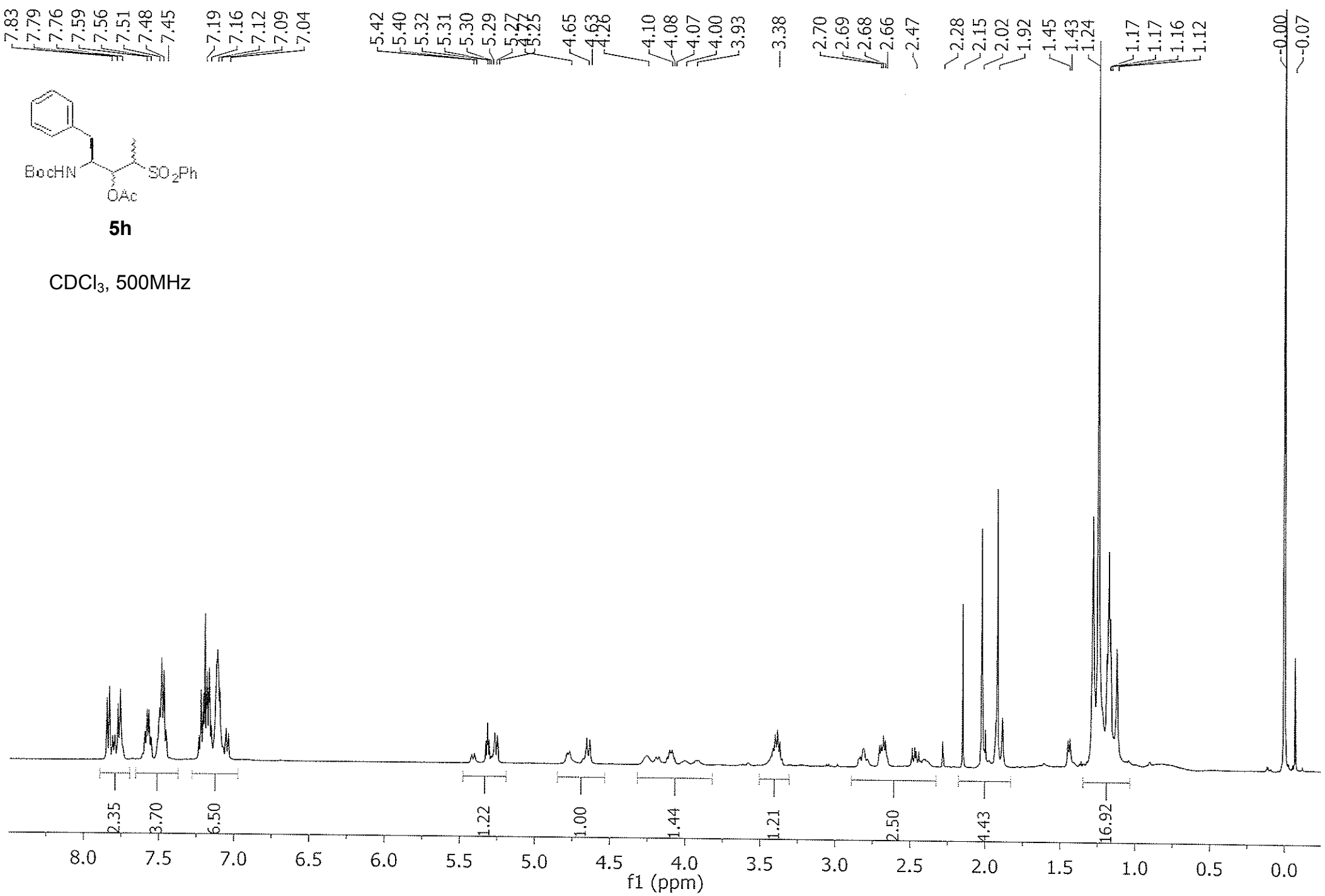


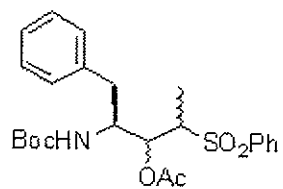
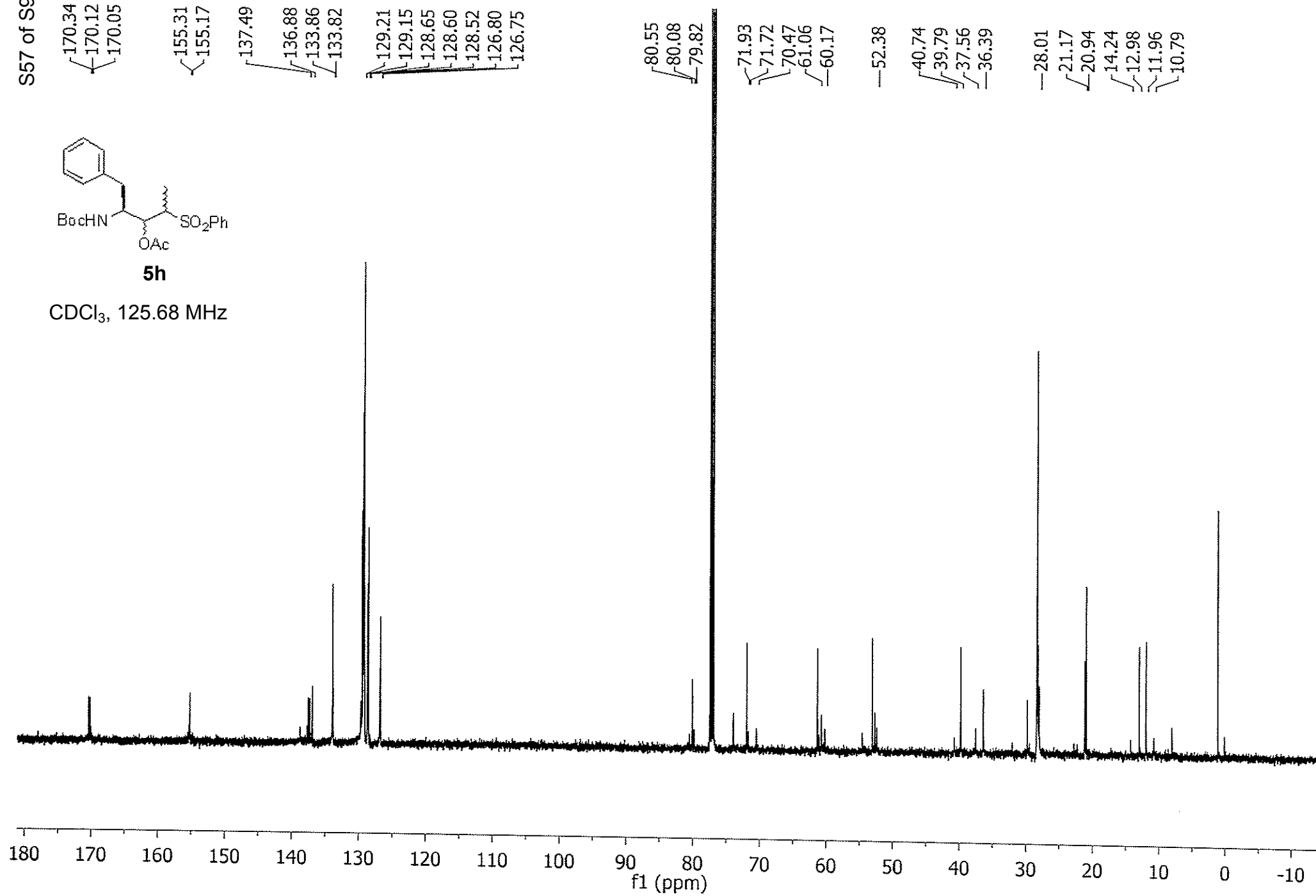
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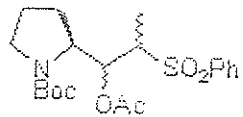
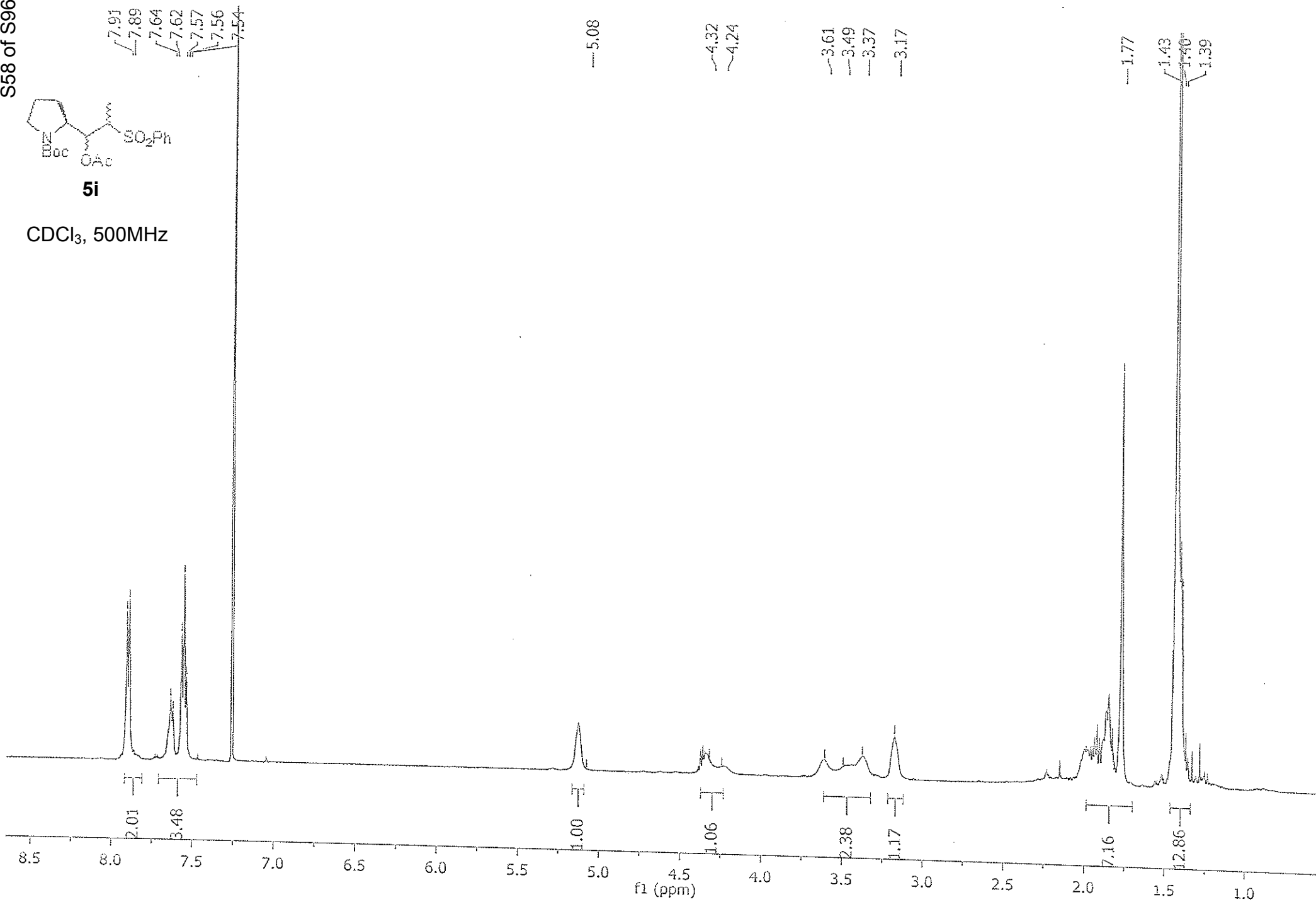


5h

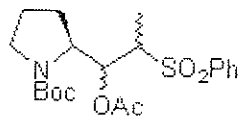
CDCl₃, 500MHz



**5h**CDCl₃, 125.68 MHz

**5i**CDCl₃, 500MHz

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5i

CDCl₃, 125.68 MHz

—169.72

—155.37

—138.42

—133.49

—128.97

—128.88

—79.69

—73.49

—61.99

—57.31

—46.93

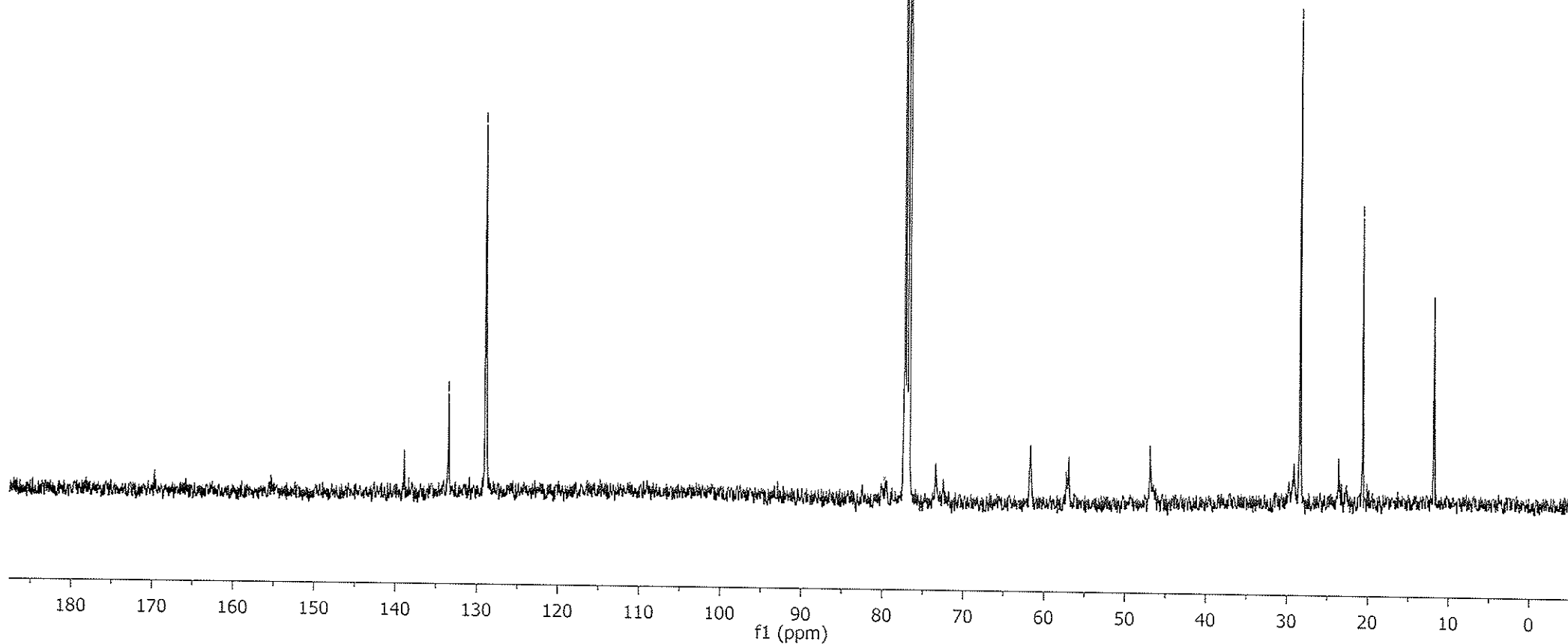
—29.24

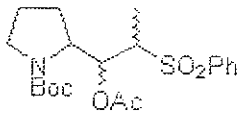
—28.42

—23.26

—20.70

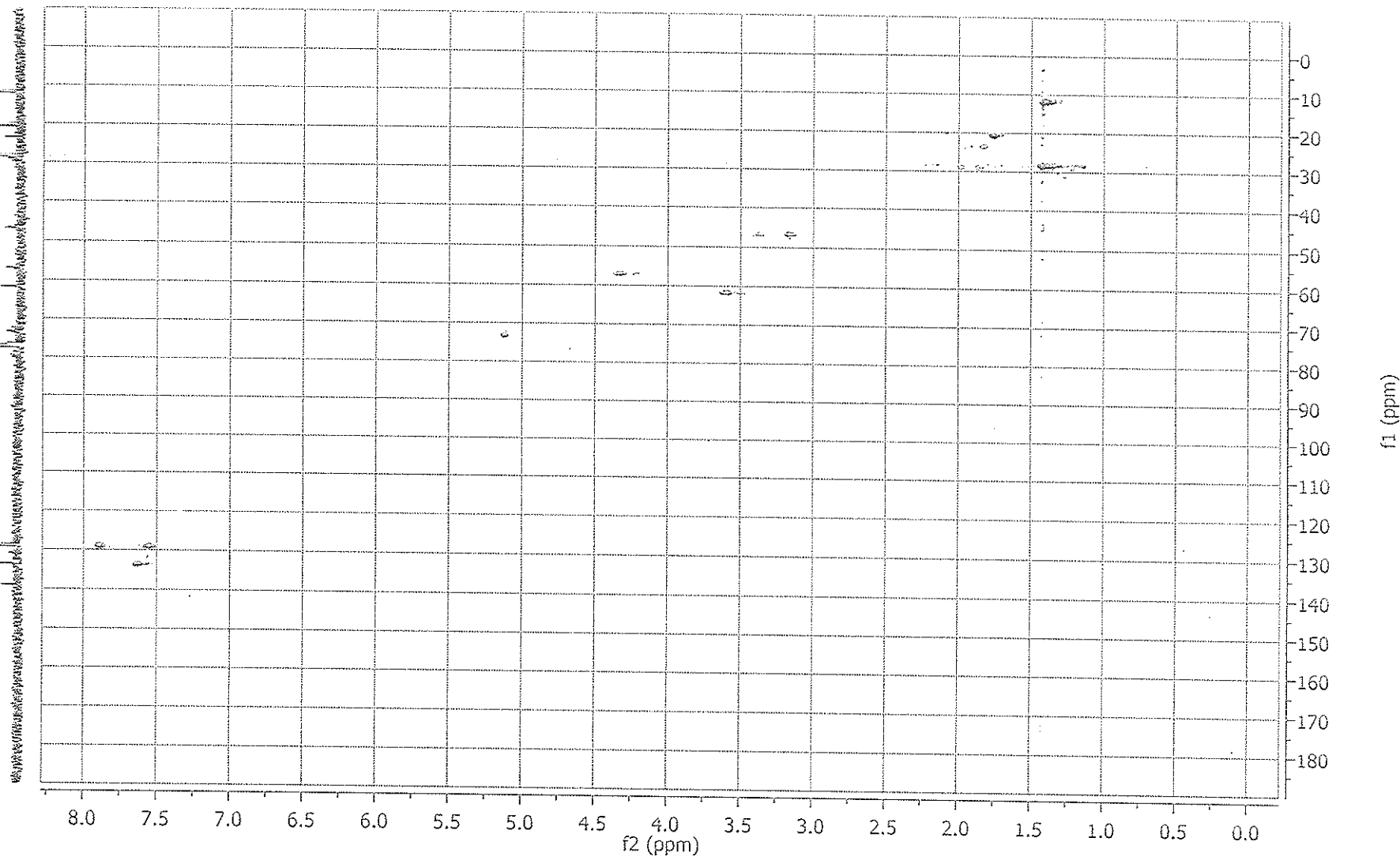
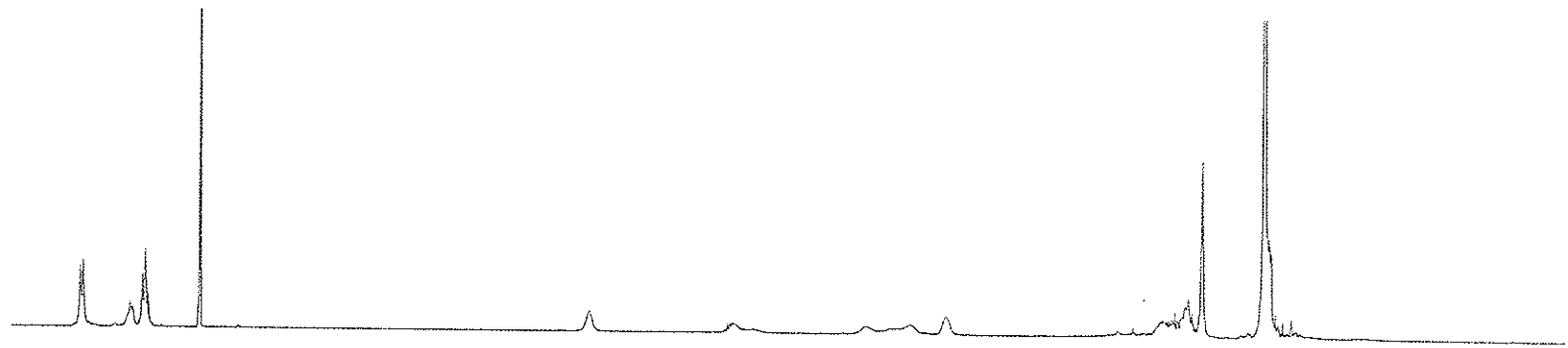
—11.72



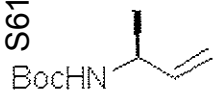


5i

CDCl₃

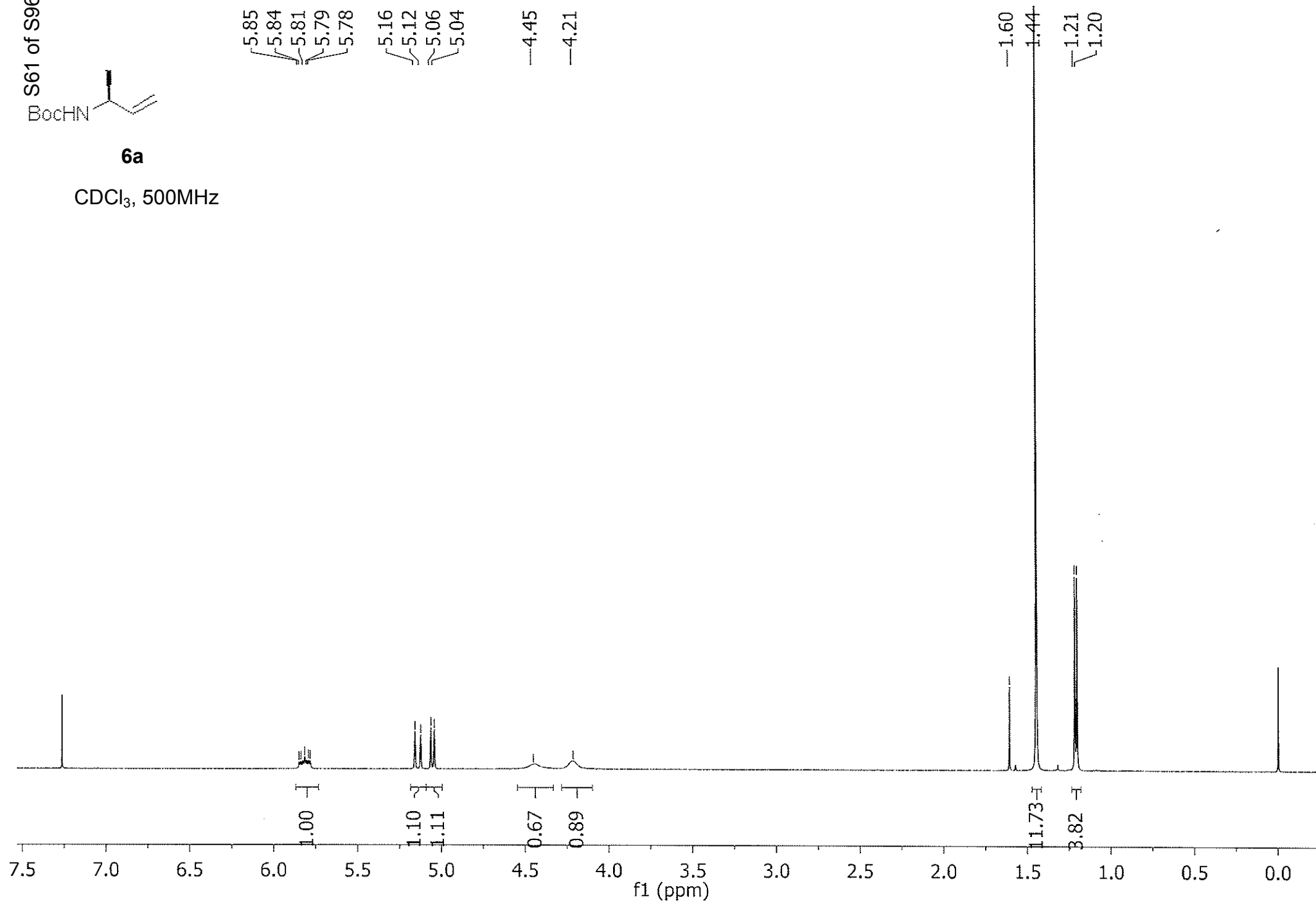


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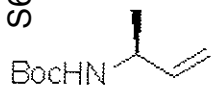


6a

CDCl₃, 500MHz

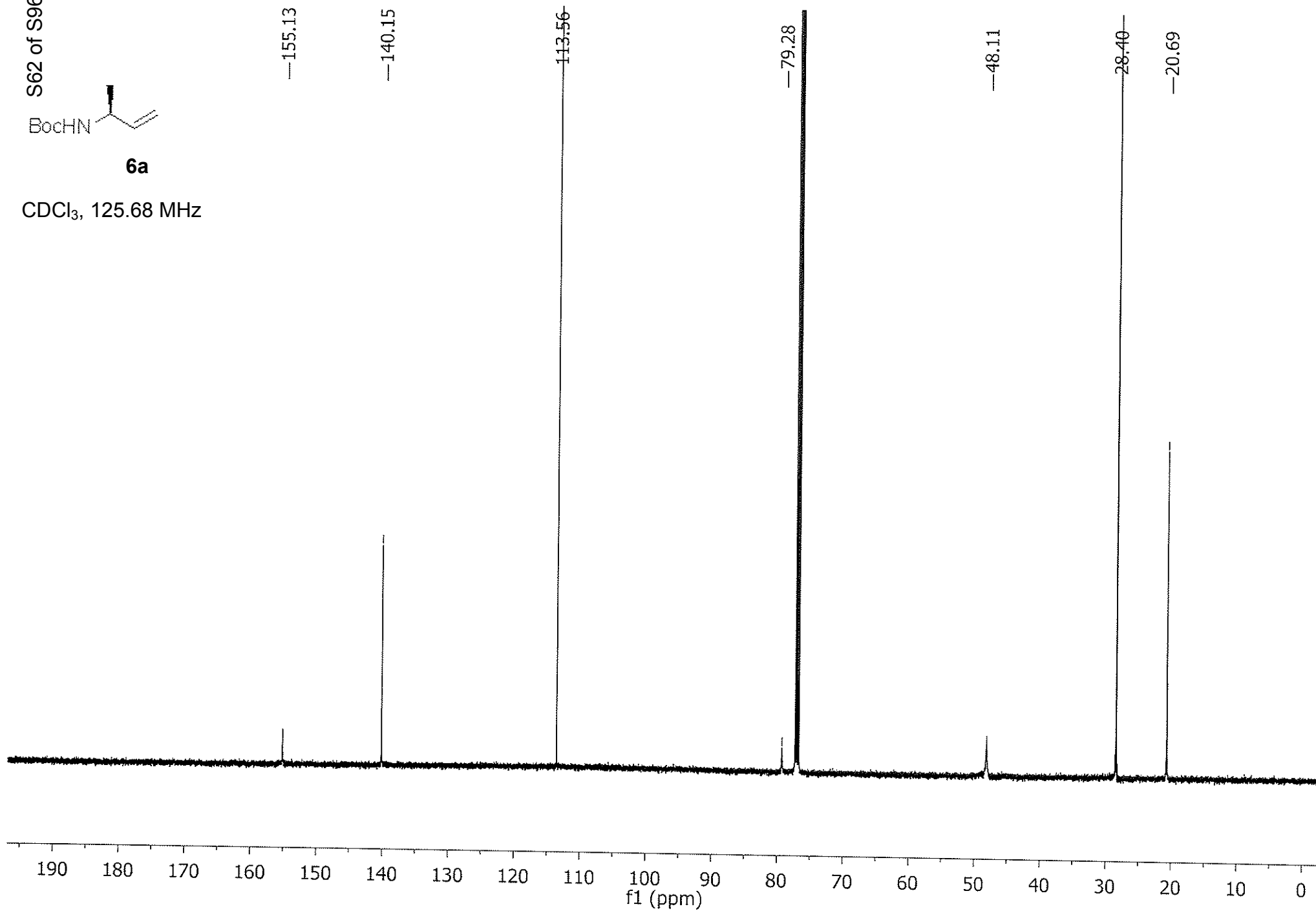


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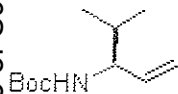


6a

CDCl₃, 125.68 MHz

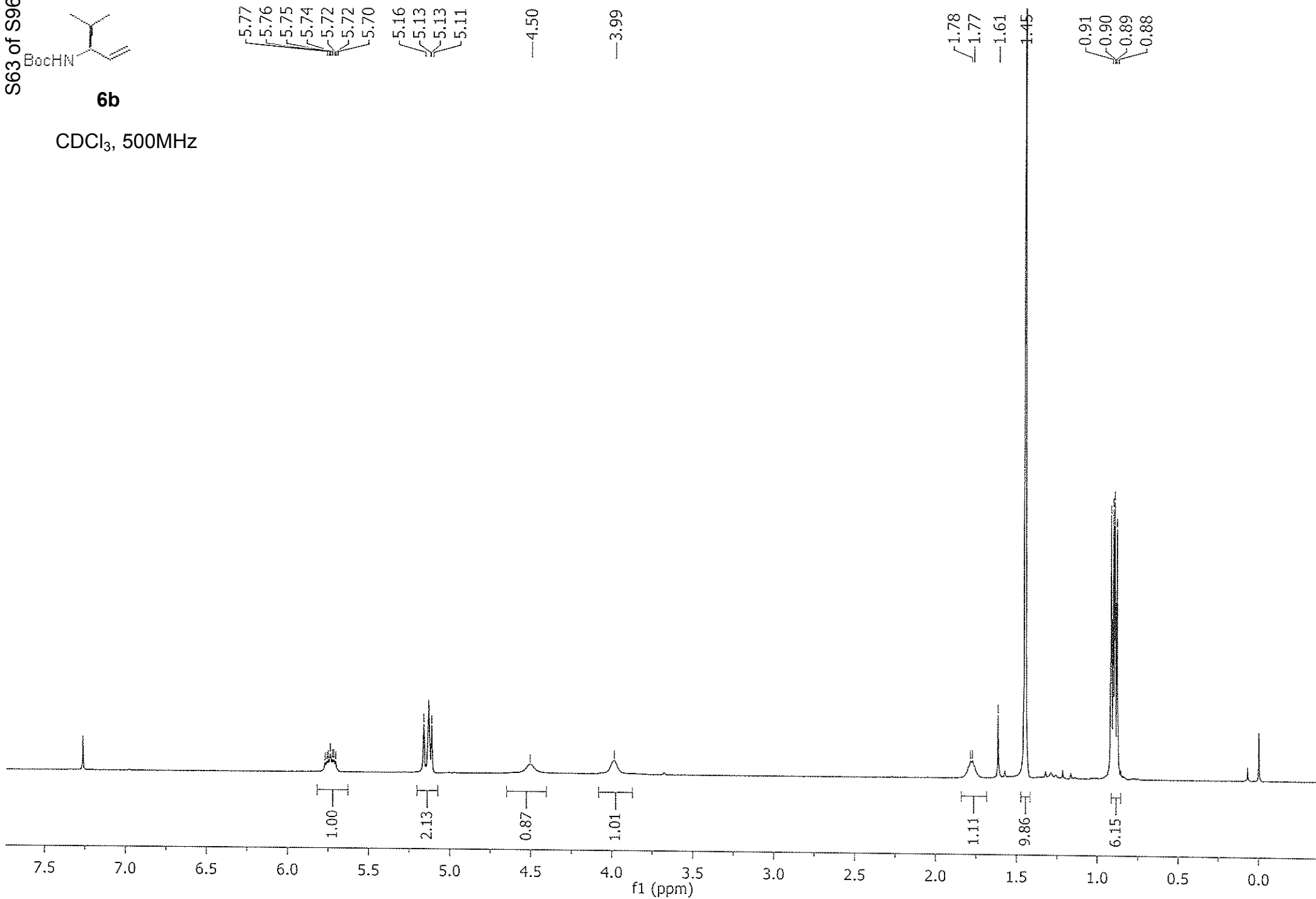


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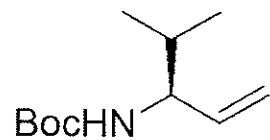


6b

CDCl₃, 500MHz

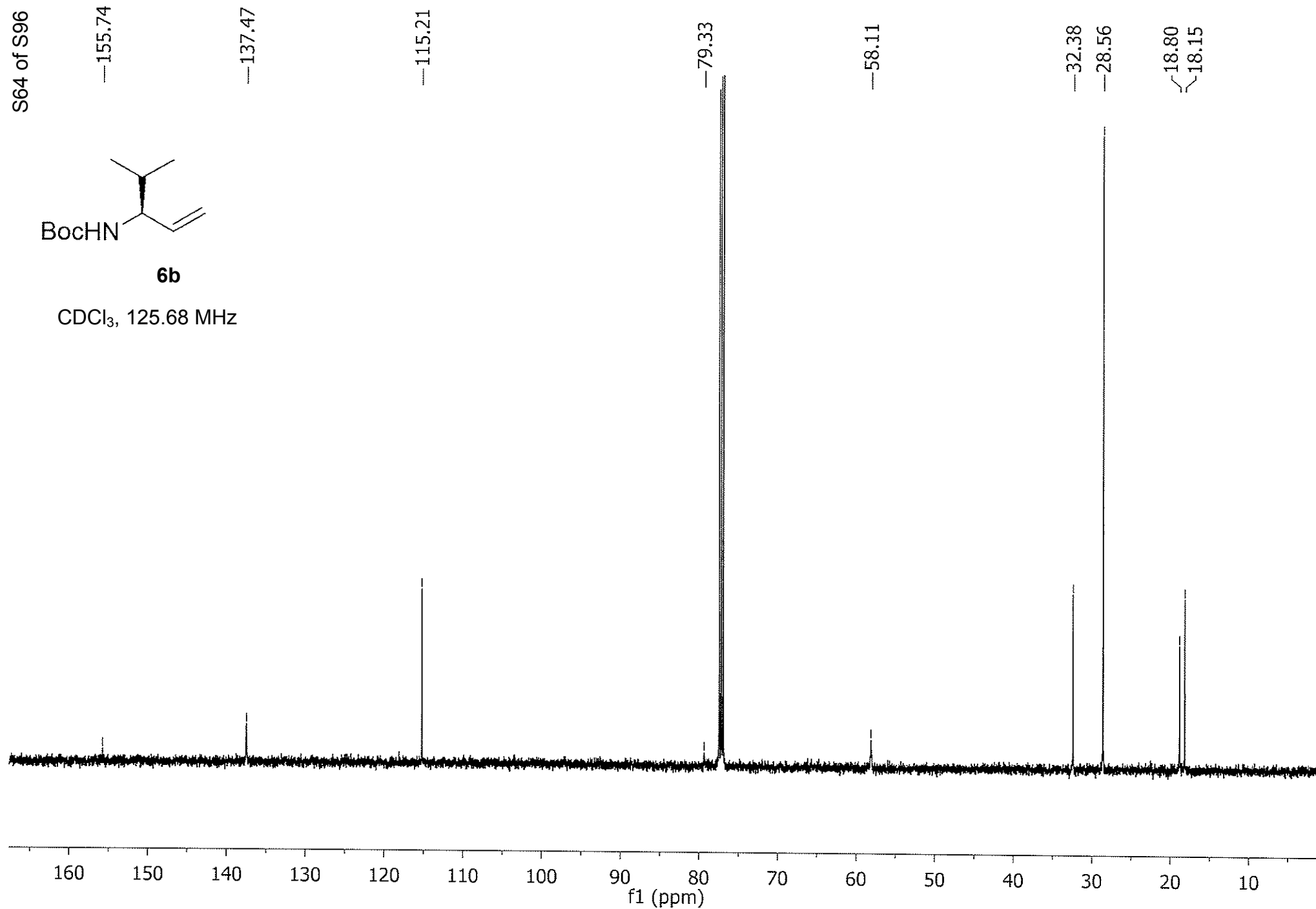


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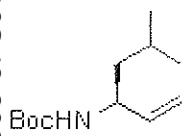


6b

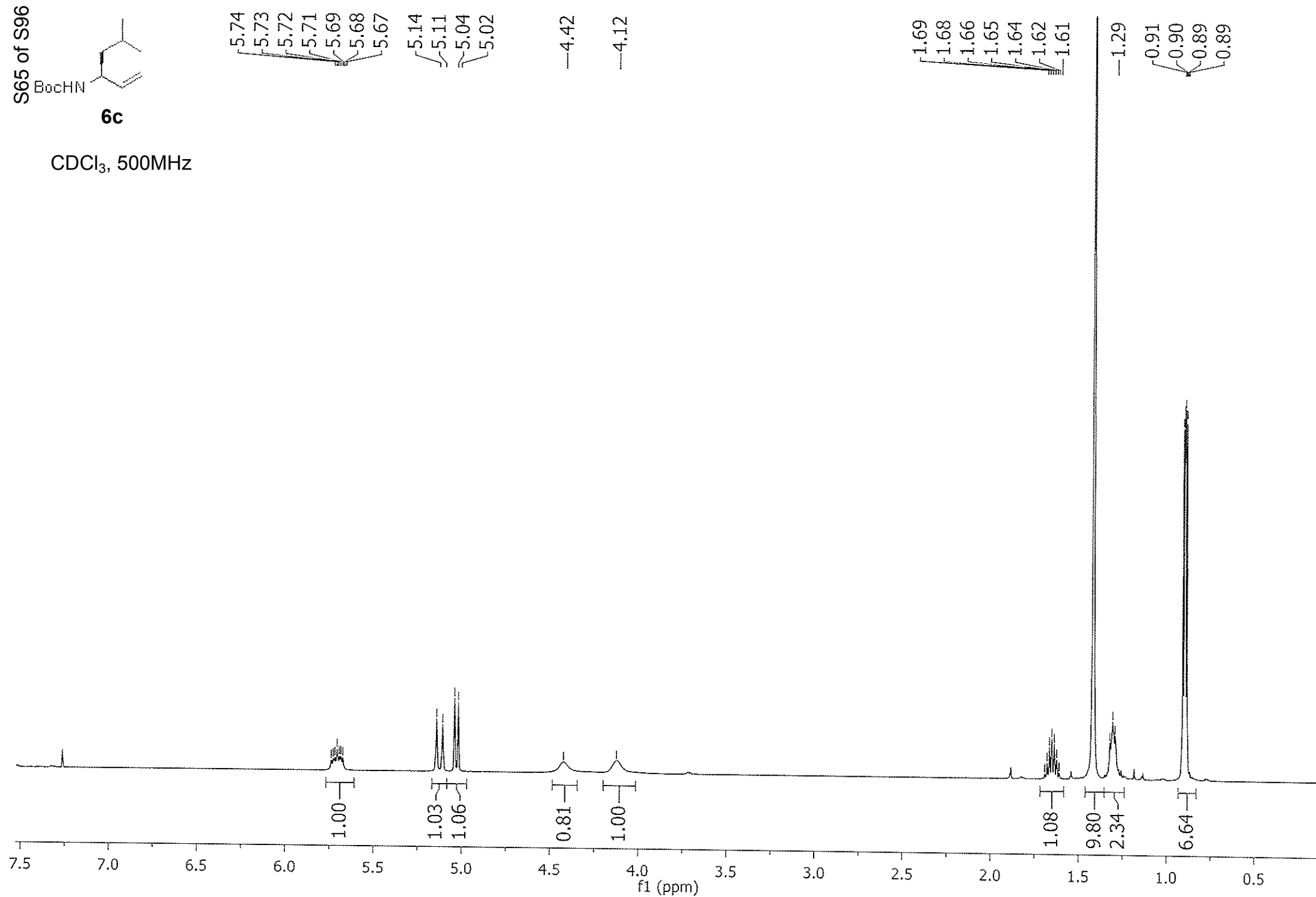
CDCl₃, 125.68 MHz



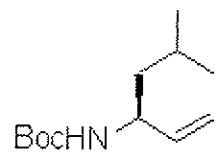
S65 of S96



CDCl₃, 500MHz

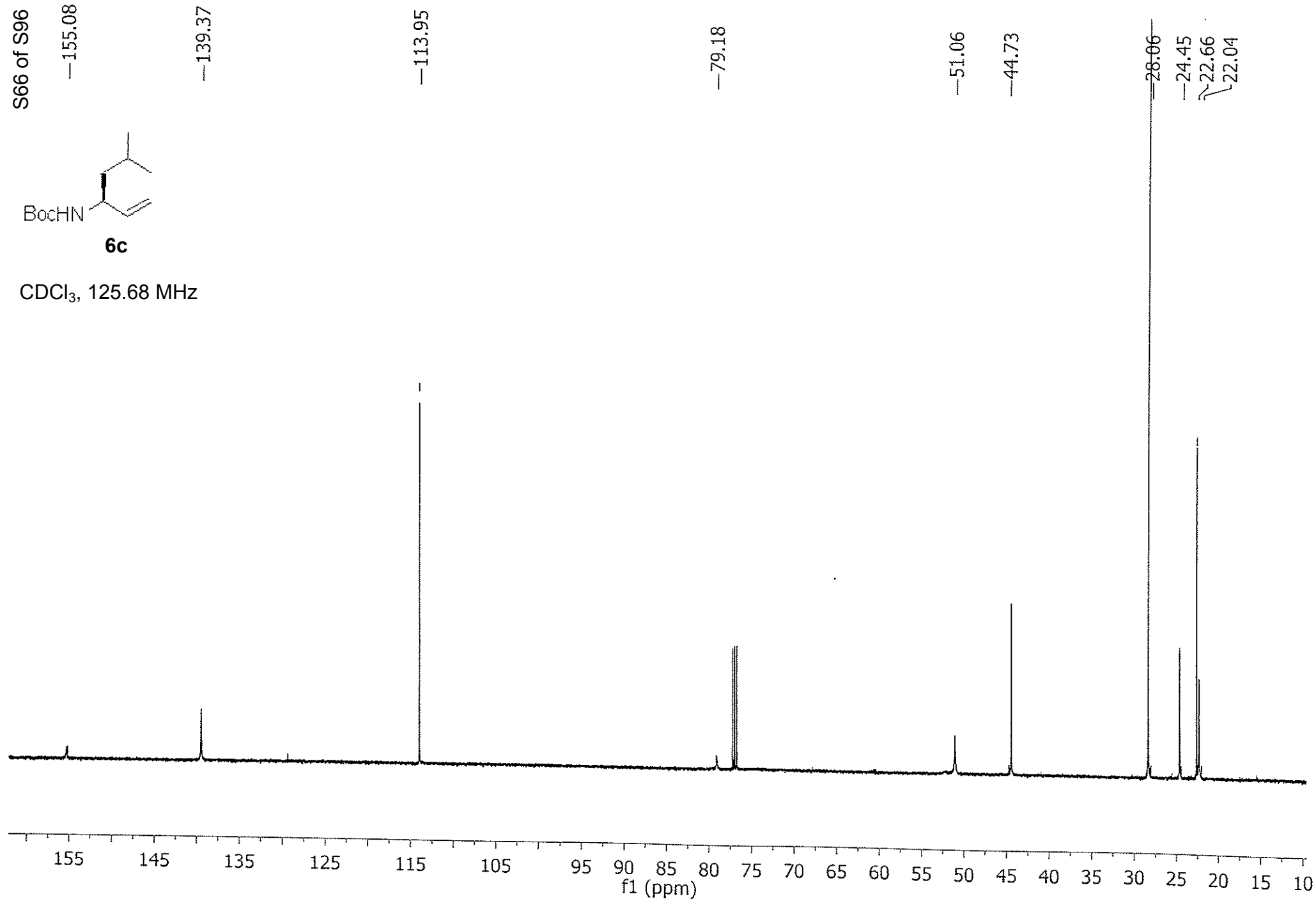


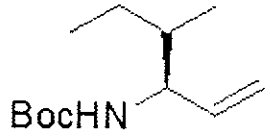
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6c

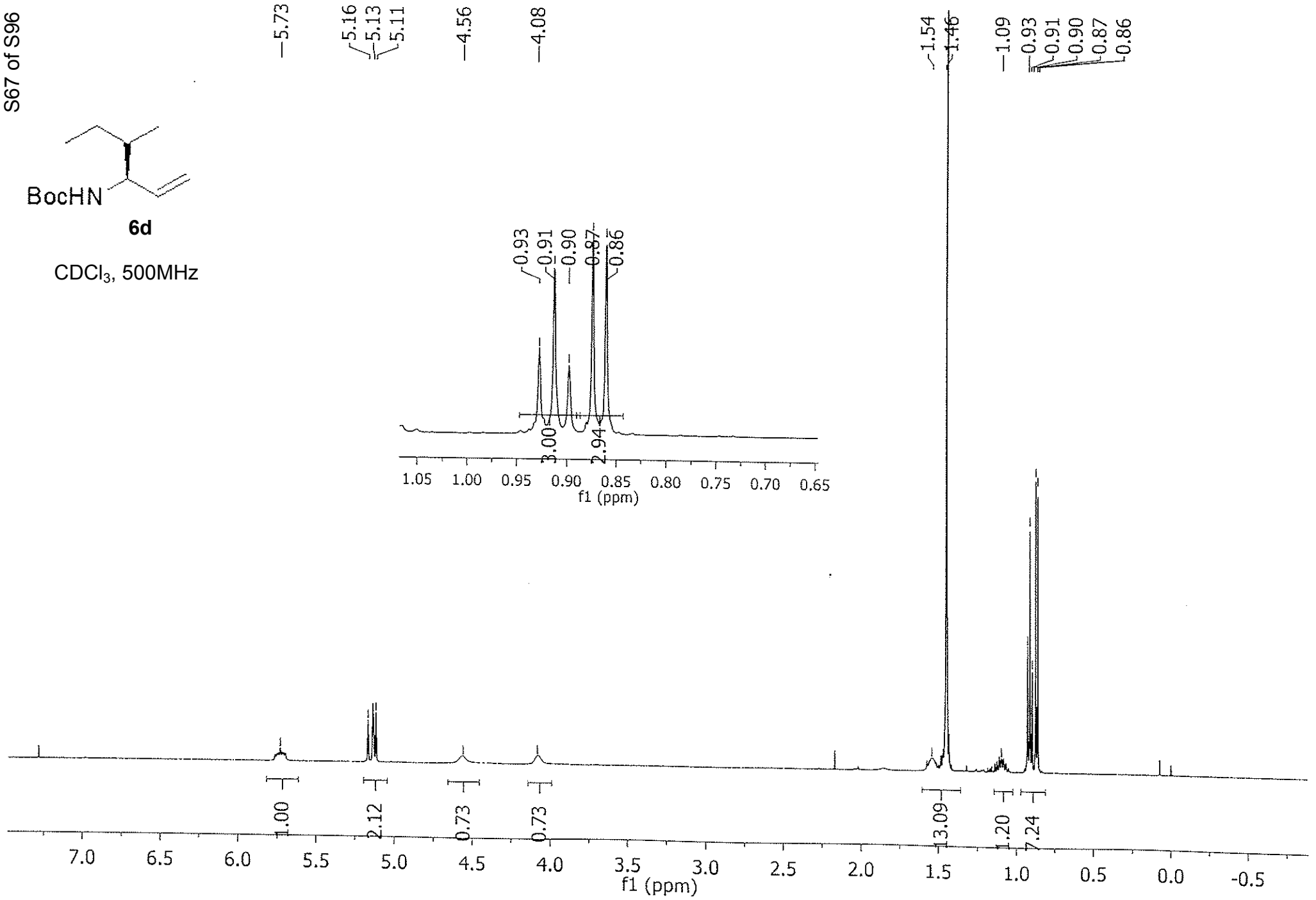
CDCl₃, 125.68 MHz



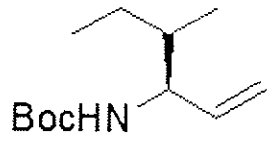


6d

CDCl₃, 500MHz



S68 of S96



6d

CDCl₃, 125.68 MHz

—155.46

—136.83

—115.22

—78.94

—56.90

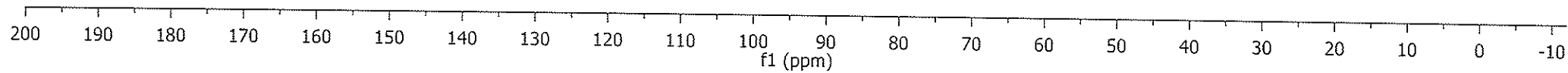
—38.63

—28.40

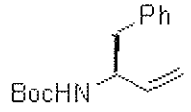
—25.32

—15.01

—11.69



S69 of S96
7.23
7.23
7.22
7.22
7.20
7.20
7.19
7.19
7.18
7.18



6e

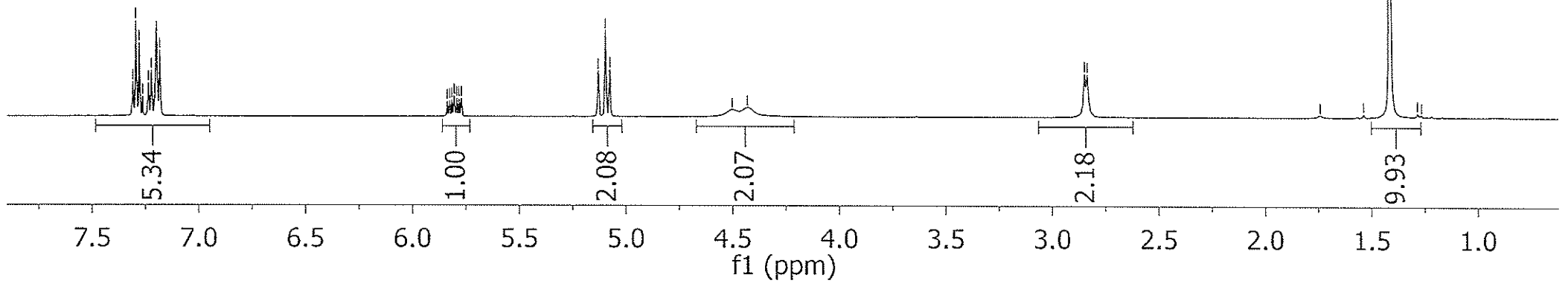
CDCl₃, 500MHz

5.84
5.82
5.81
5.80
5.80
5.79
5.78
5.77
5.13
5.13
5.09
5.08
5.07
5.07

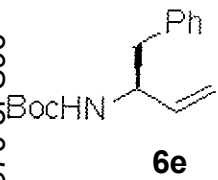
4.50
4.43

2.85
2.83

1.74
1.54
1.41
1.28
1.27



S70 of S96



CDCl₃, 125.68 MHz

-155.27

137.85

-137.11

-129.74

128.09

126.19

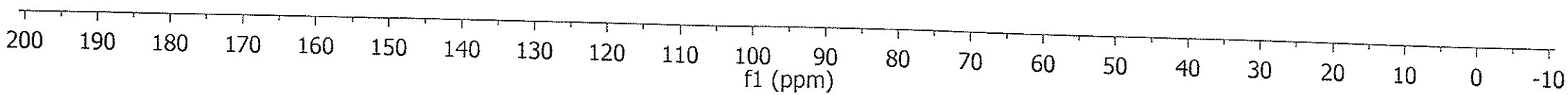
-114.47

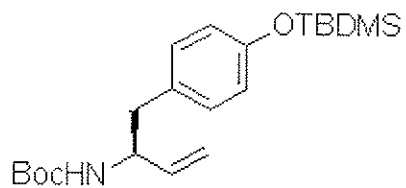
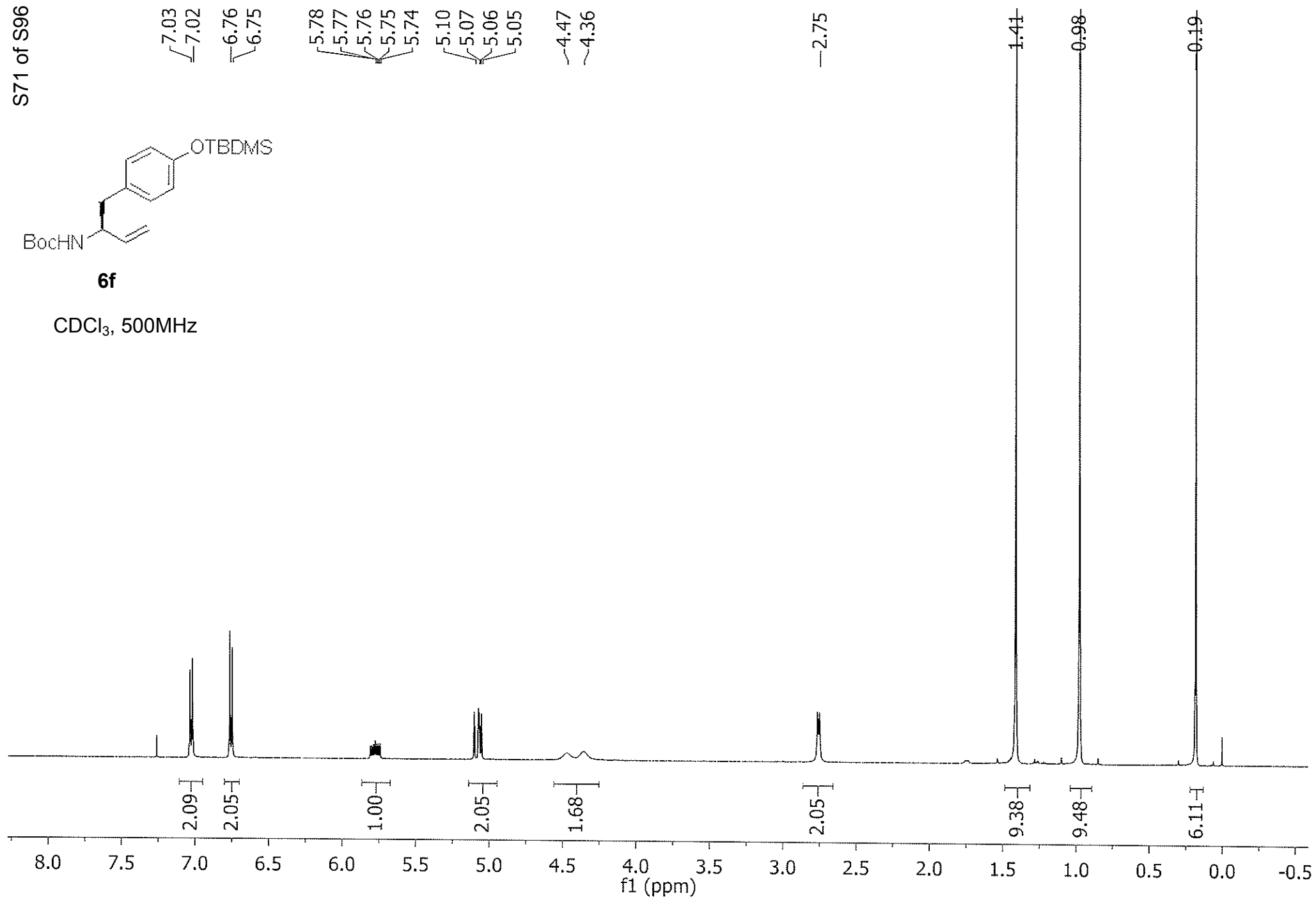
-79.12

-53.28

-41.30

-28.27



**6f**CDCl₃, 500MHz

S72 of S96

155.16
154.40
138.28
130.52
129.76
119.92
114.61

79.01

53.34

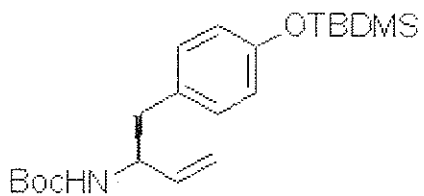
40.57

27.94

25.37

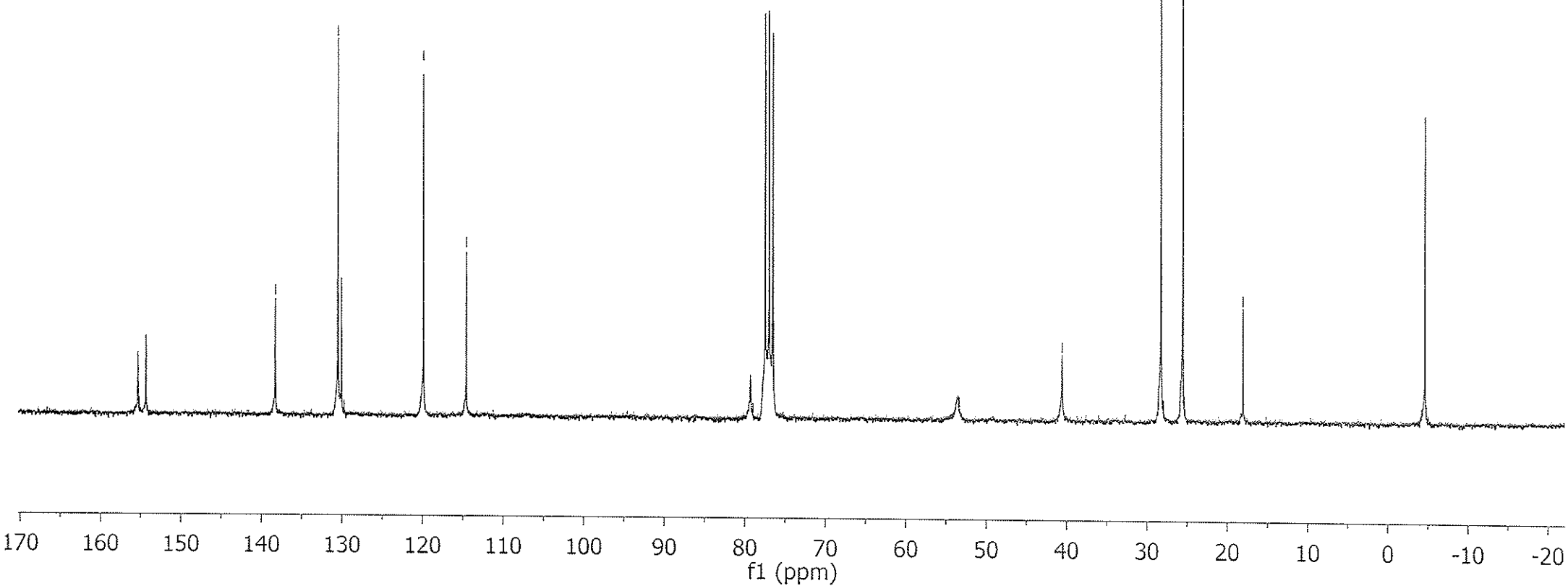
18.03

4.80



6f

CDCl₃, 125.68 MHz



S73 of S96

—7.01

—6.75

—5.78

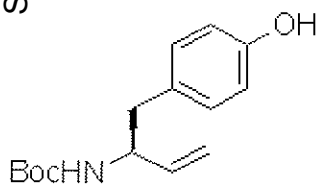
—5.09

—4.50

—4.35

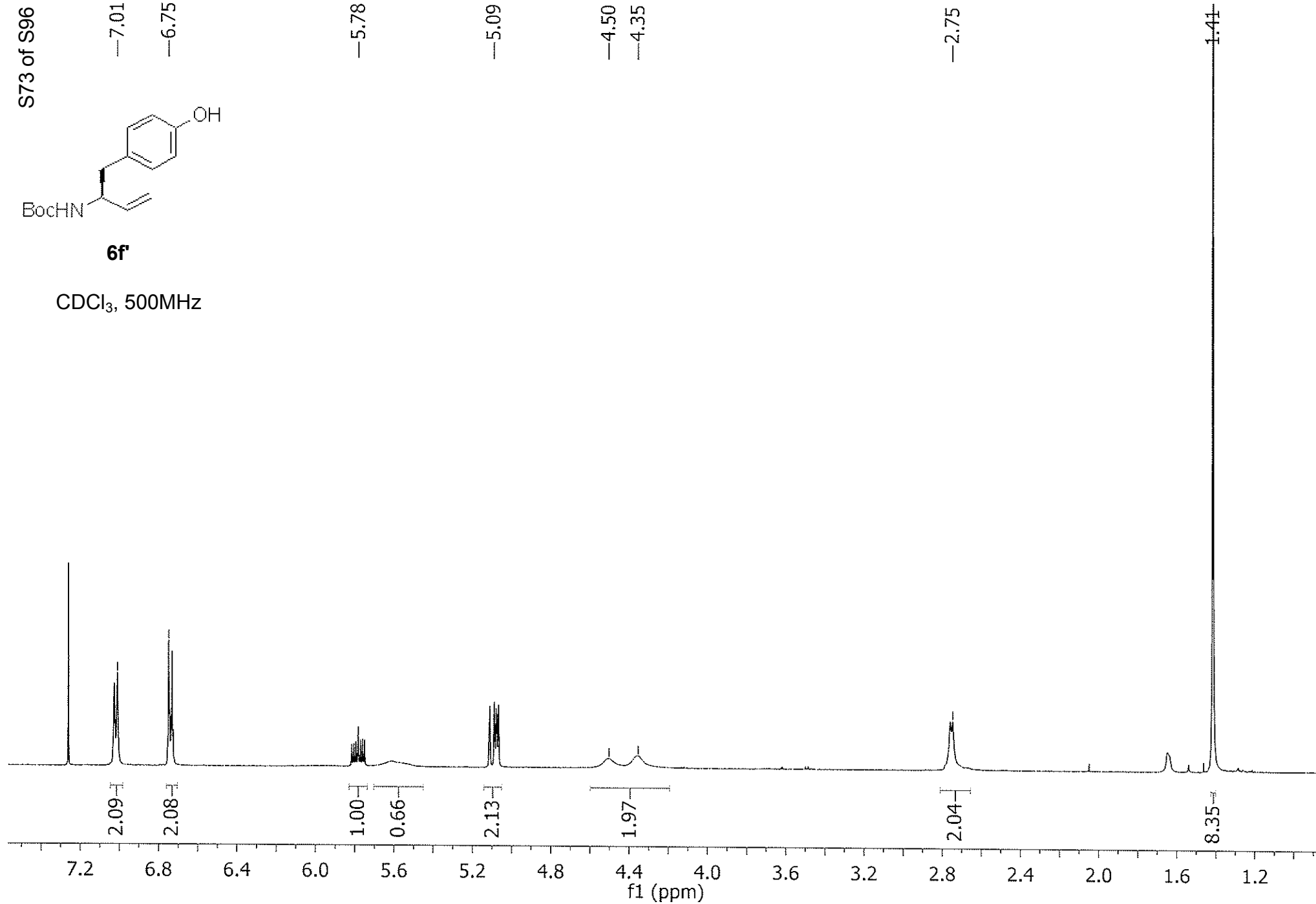
—2.75

—1.41



6f

CDCl₃, 500MHz



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155.51
154.62

138.06

130.54
129.03

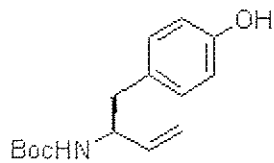
115.26
114.66

79.67

53.70

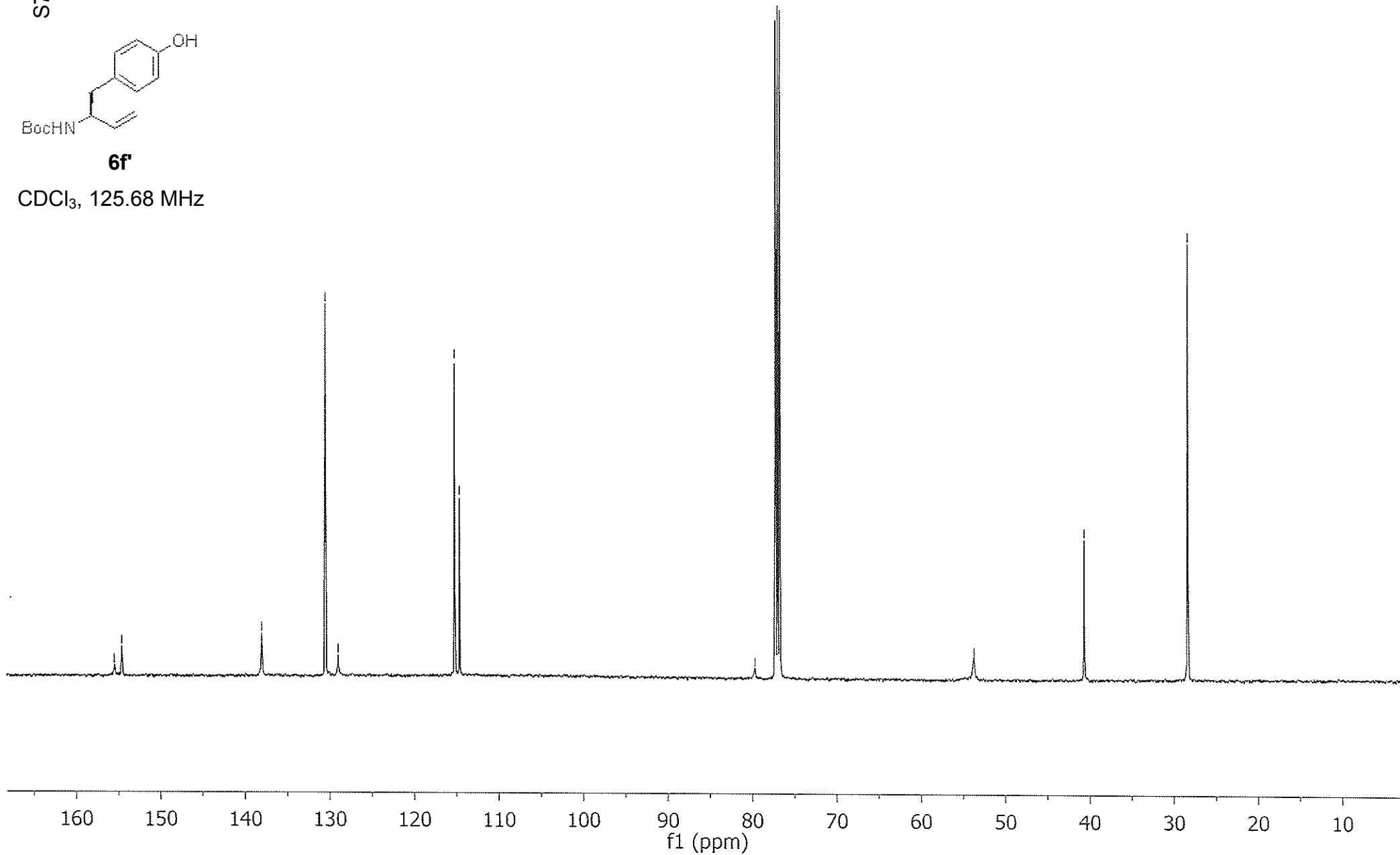
40.65

28.36



6f

CDCl₃, 125.68 MHz

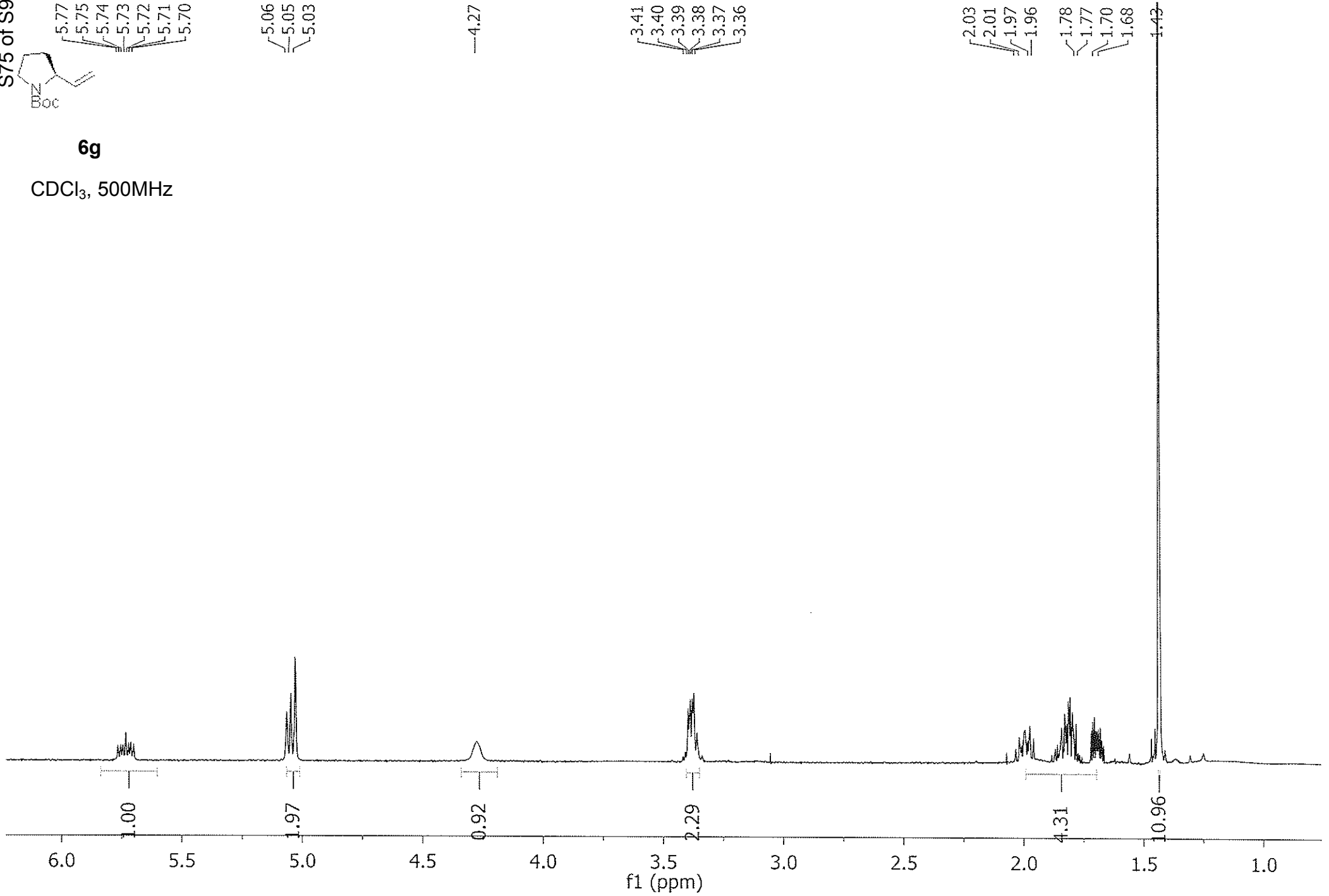


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6g

CDCl₃, 500MHz



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—154.67

—150.90

—139.02

—113.59

—78.87

—59.00

46.39

46.01

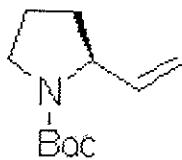
31.76

31.36

28.32

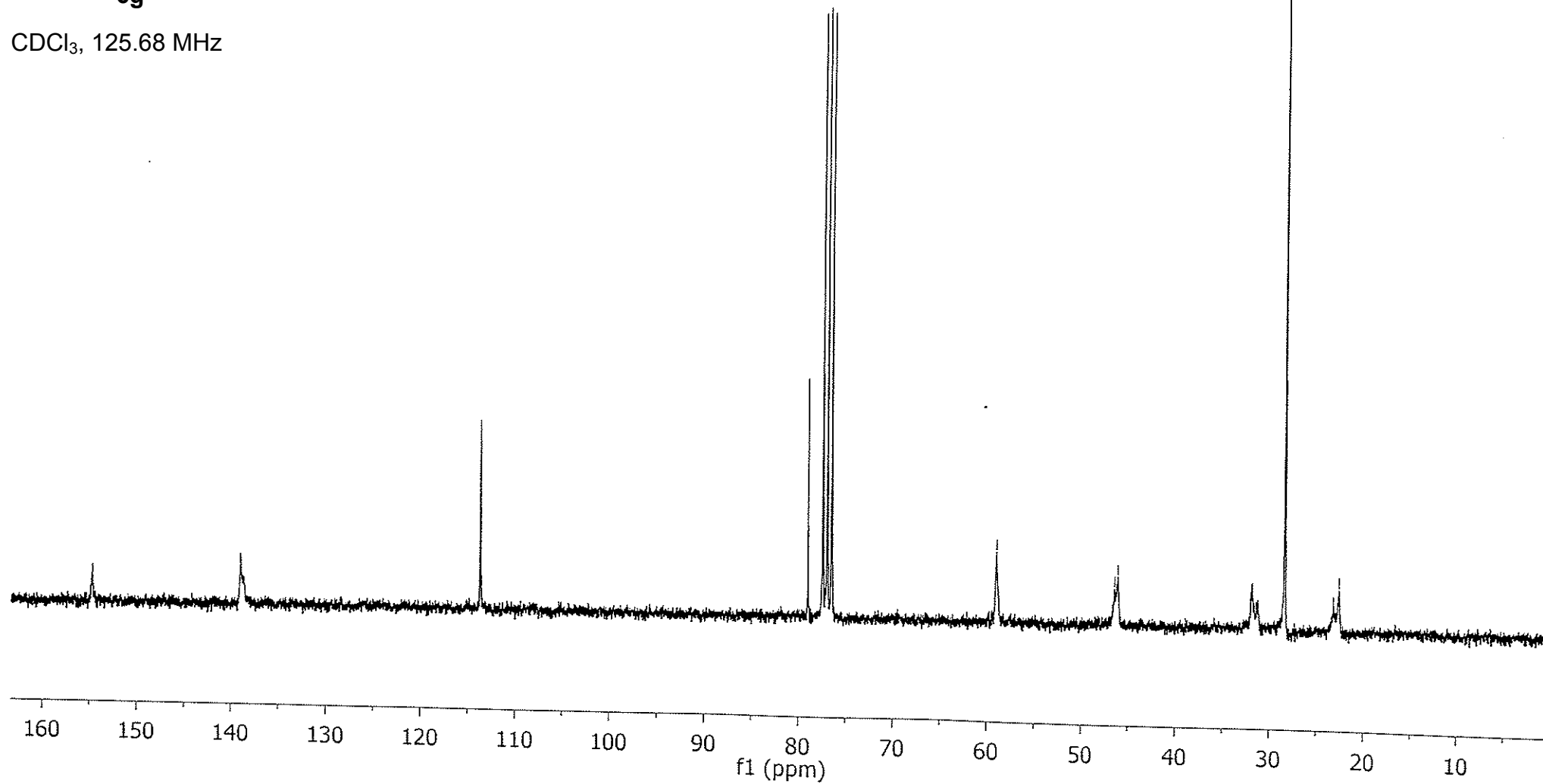
23.22

22.61

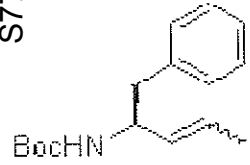


6g

CDCl₃, 125.68 MHz

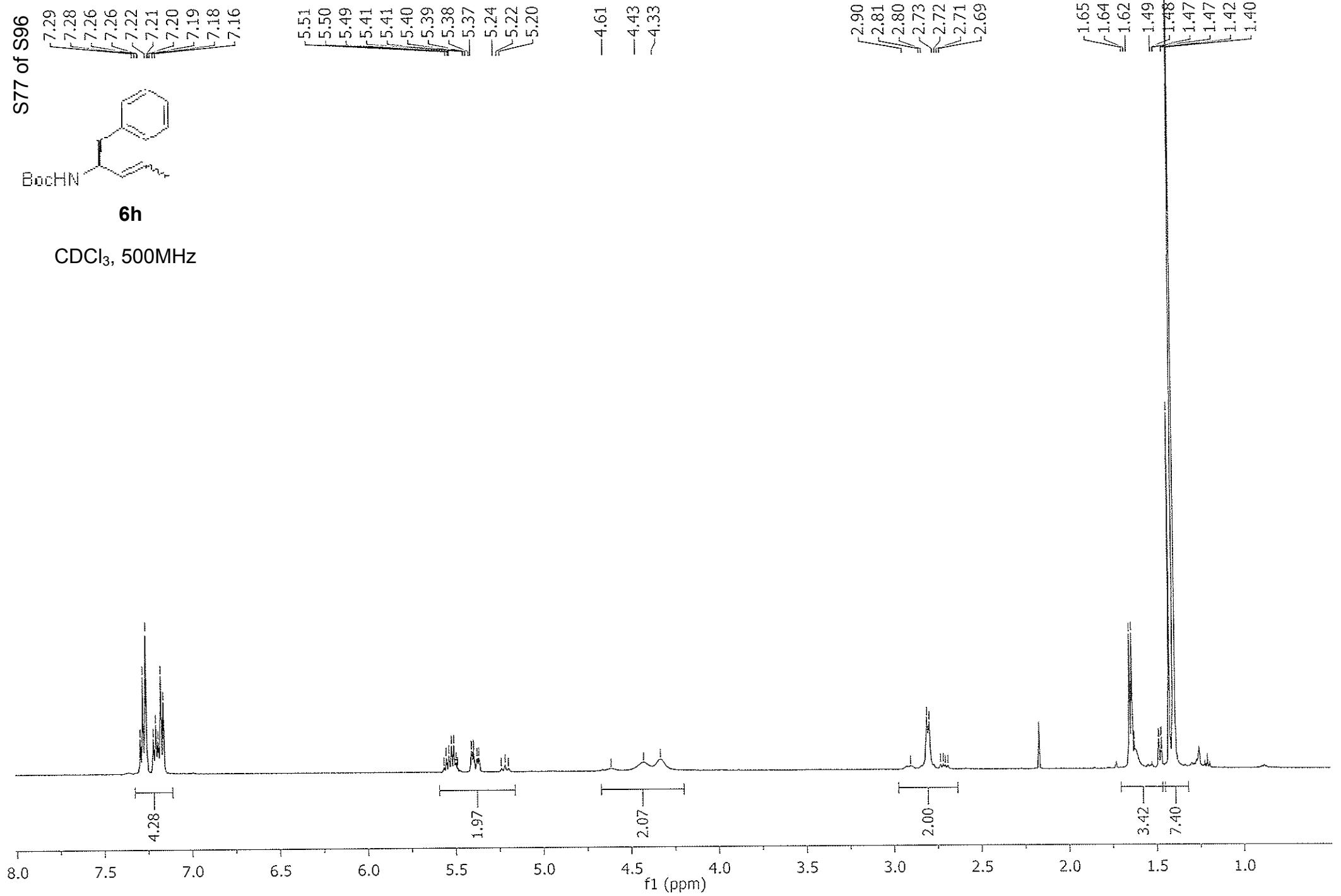


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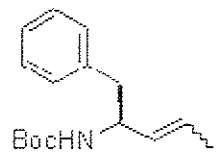
6h

CDCl₃, 500MHz



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—155.14



6h

CDCl₃, 125.68 MHz

130.88
129.70
129.58
128.20
128.17
126.28
126.15

—79.25

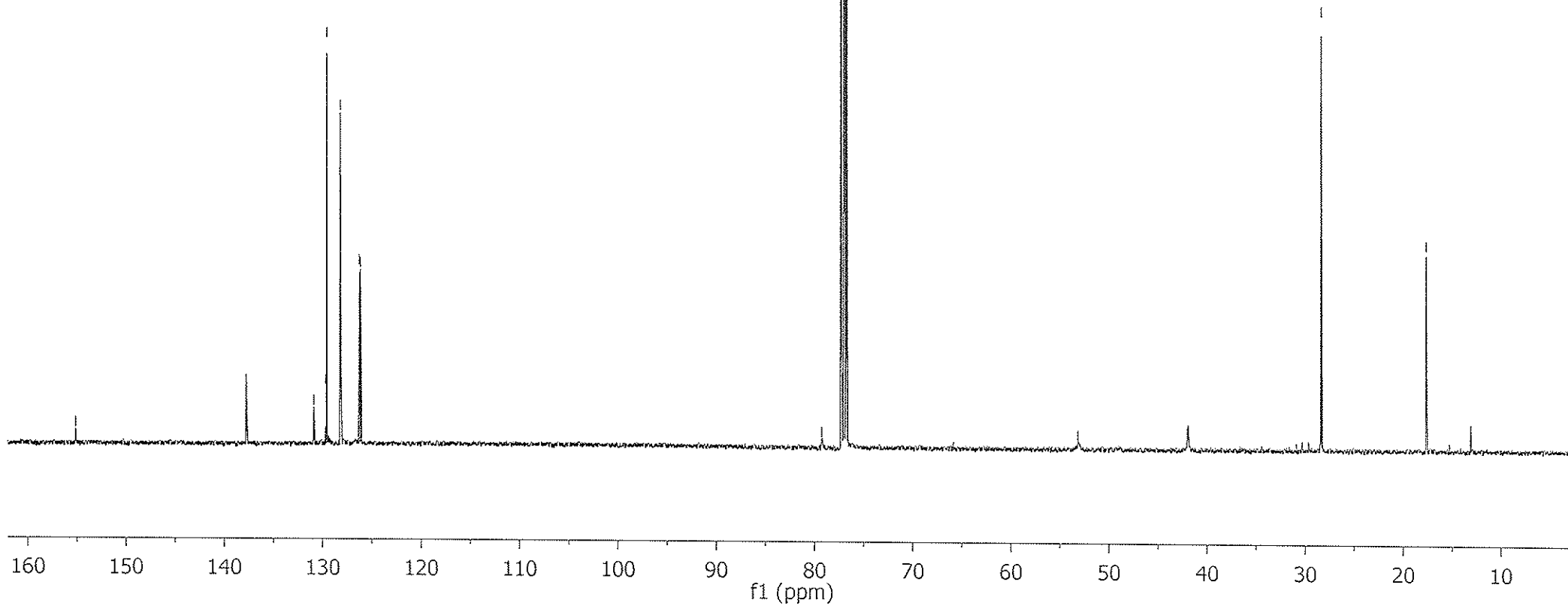
—53.18

—42.03

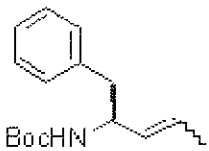
28.40
28.36

—17.65

—13.09

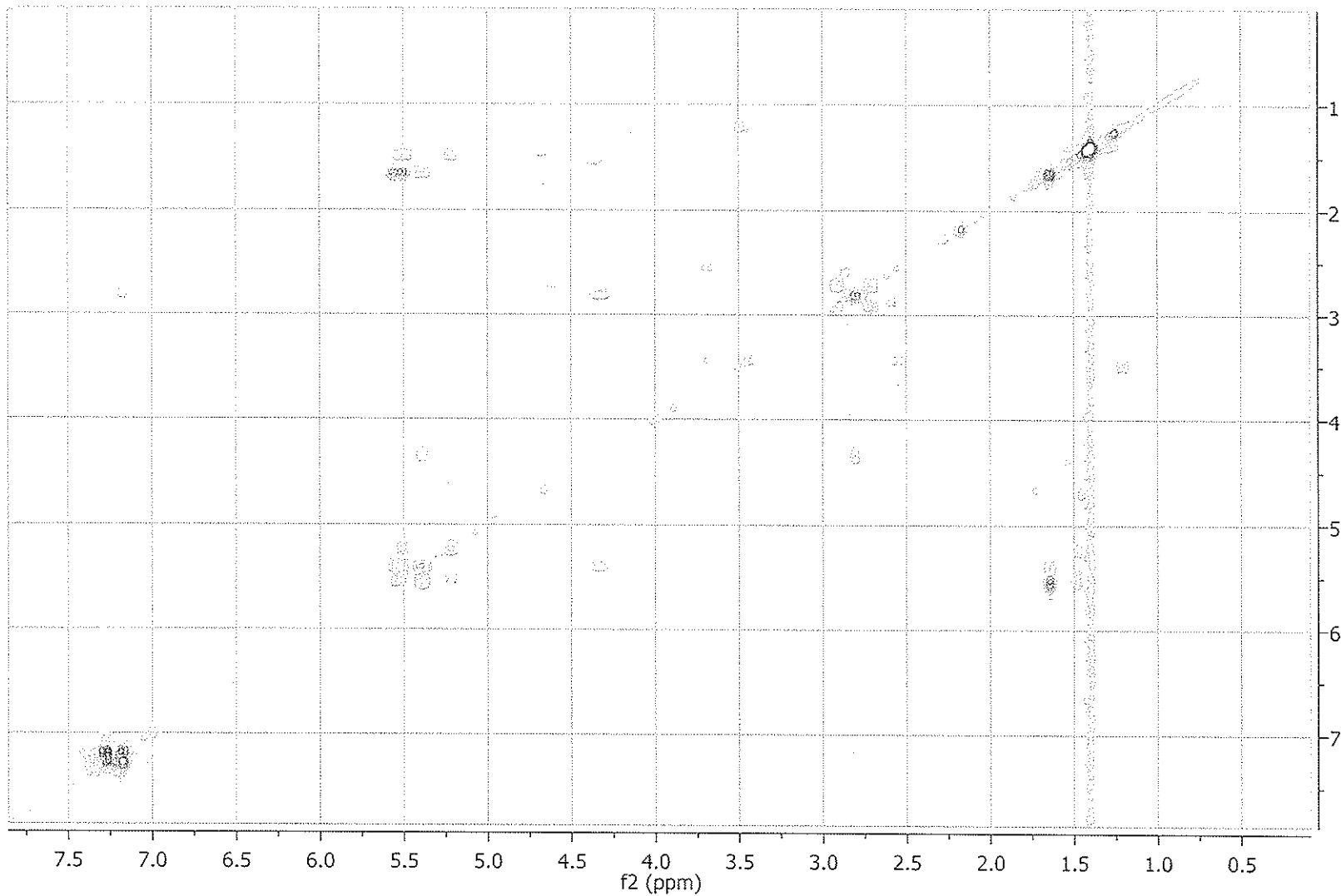
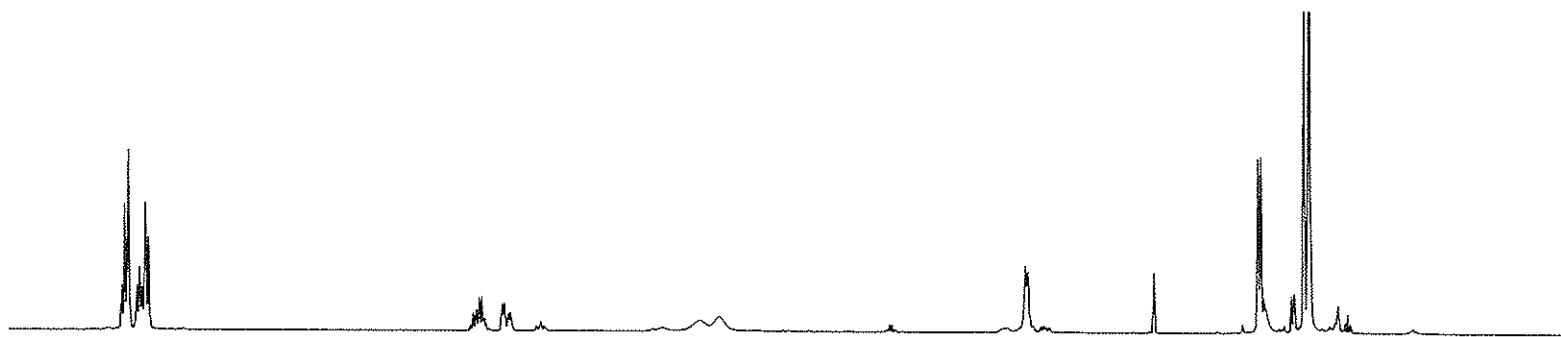
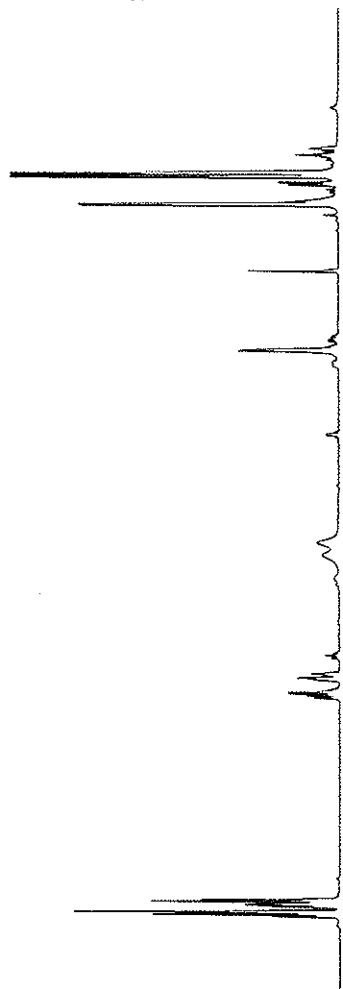


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6h

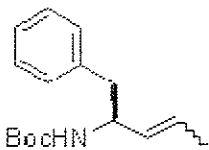
CDCl₃, 500MHz



f1 (ppm)

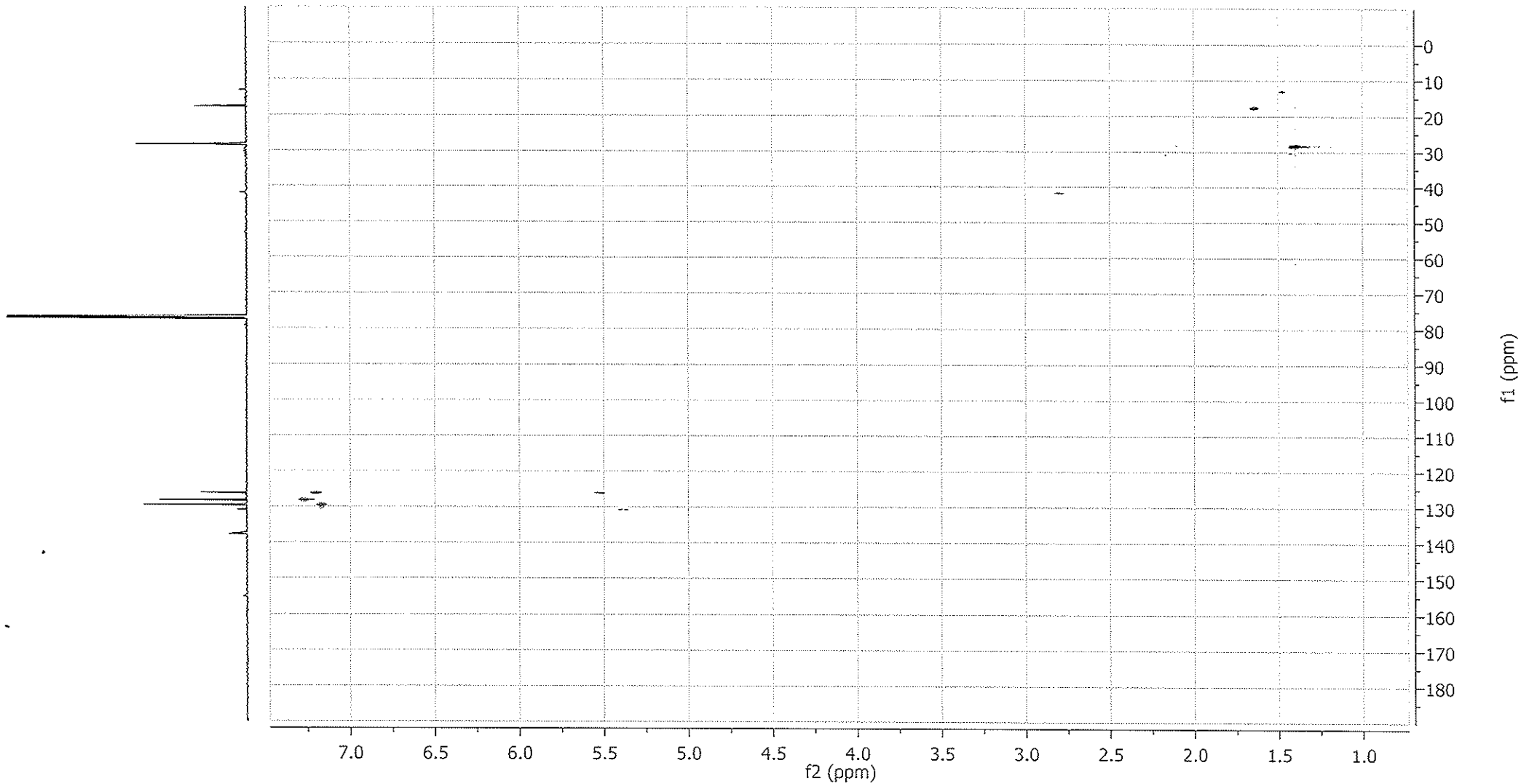
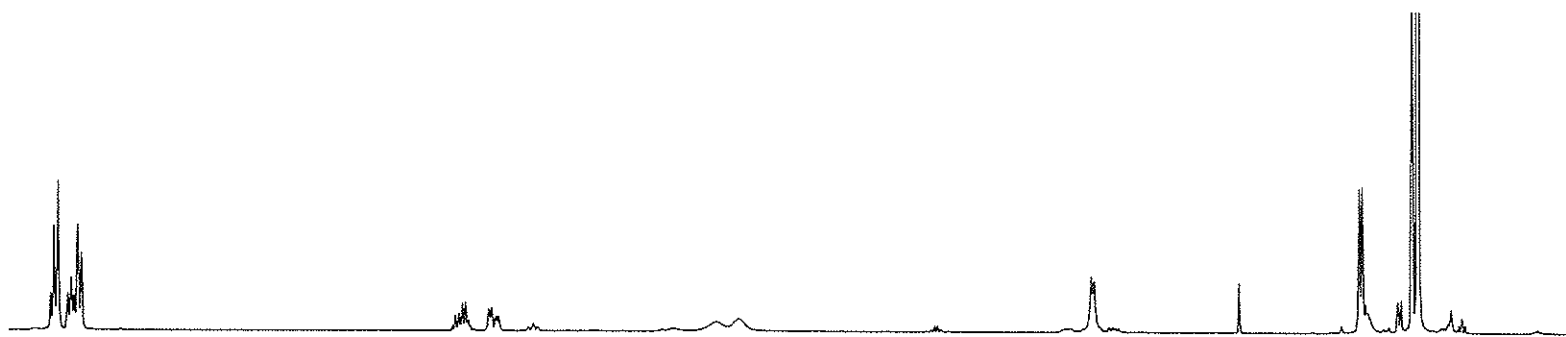
f2 (ppm)

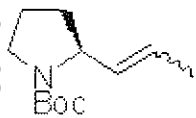
S80 of S96



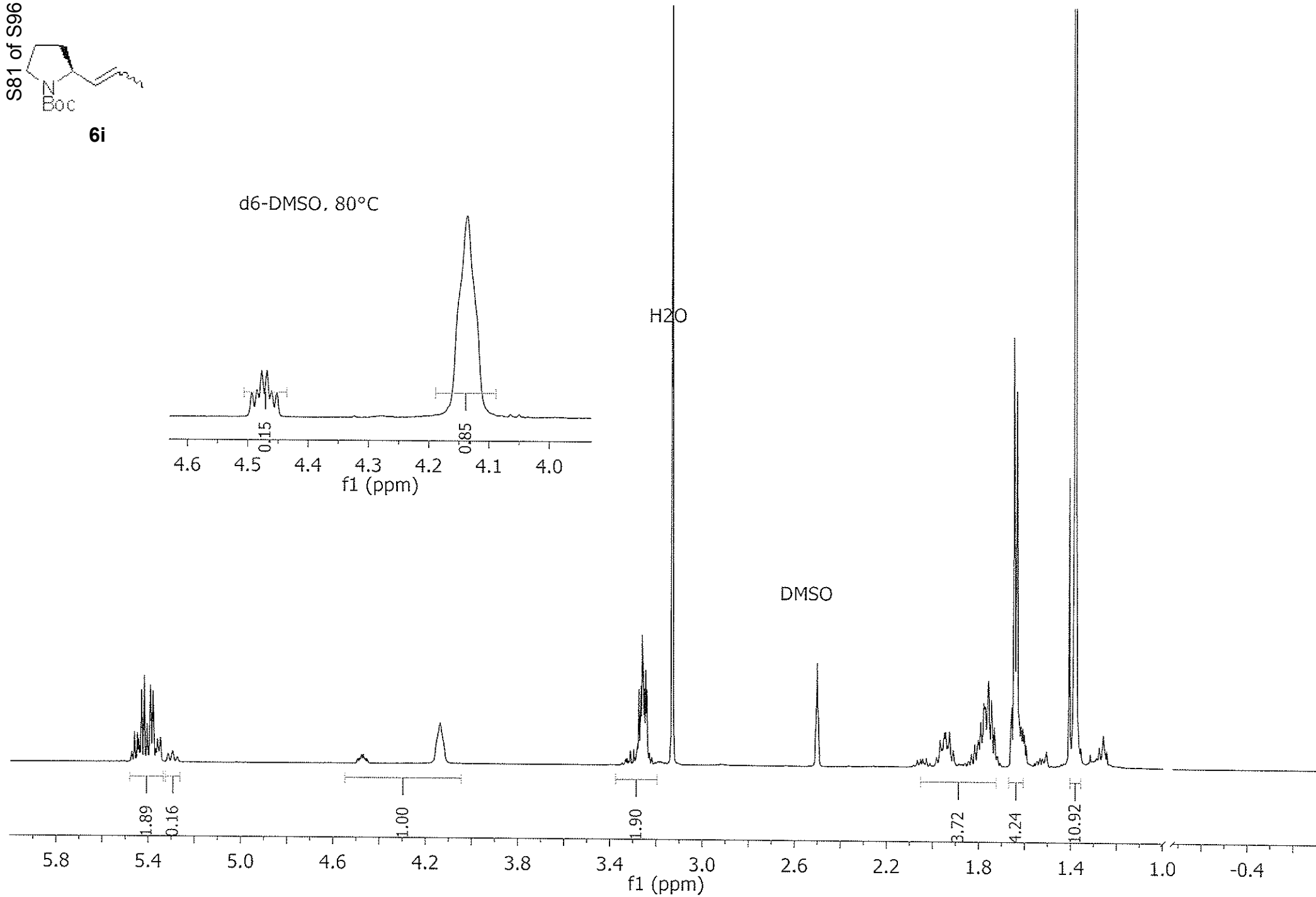
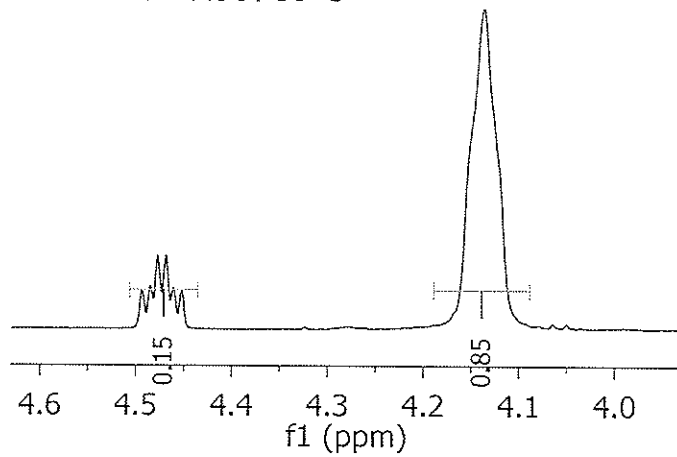
6h

CDCl₃

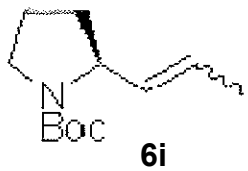


**6i**

d6-DMSO, 80°C



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—153.16

132.54
131.87

—123.59

77.59
77.53

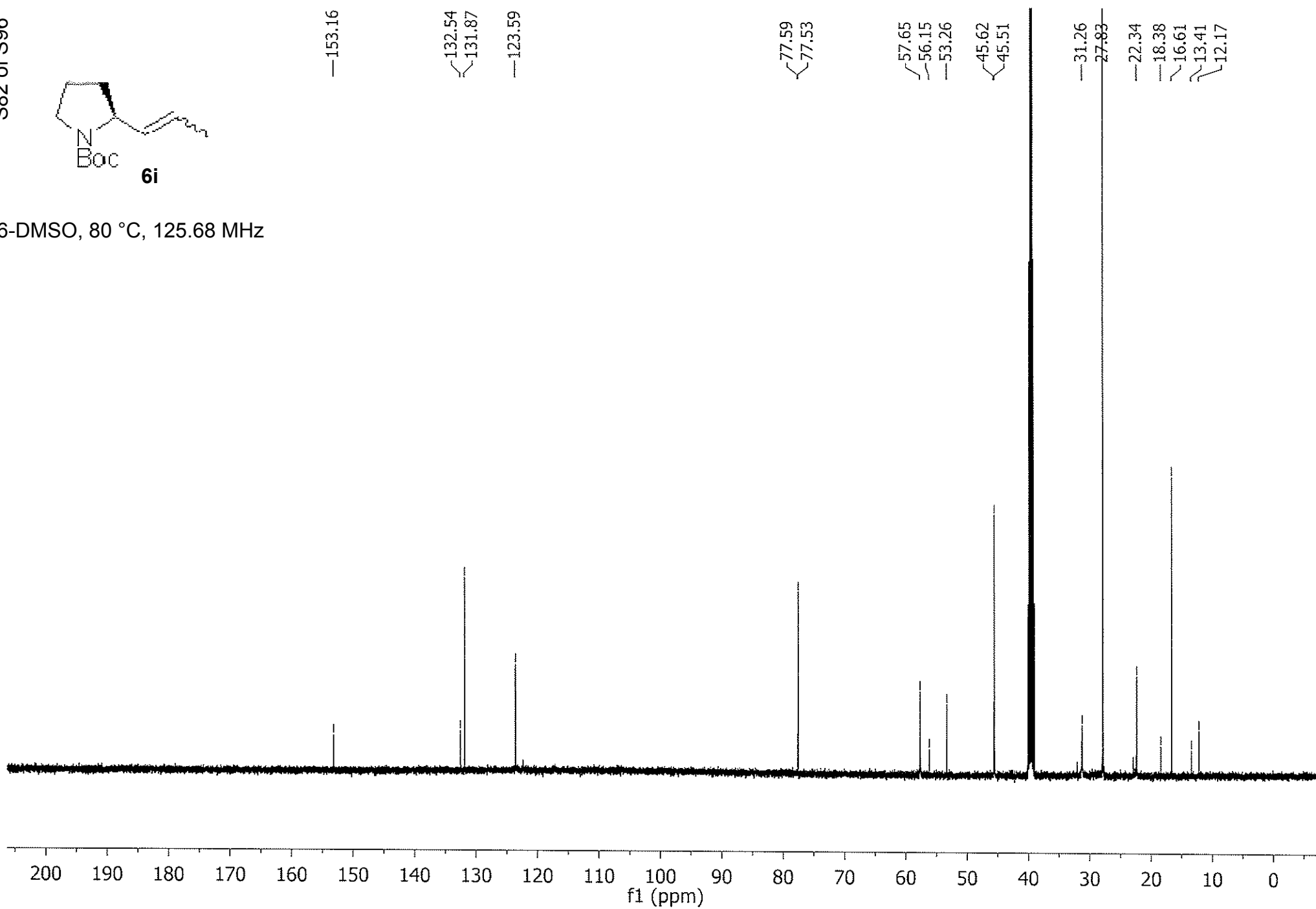
57.65
56.15
53.26

45.62
45.51

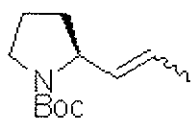
31.26
27.83

22.34
18.38
16.61
13.41
12.17

d6-DMSO, 80 °C, 125.68 MHz

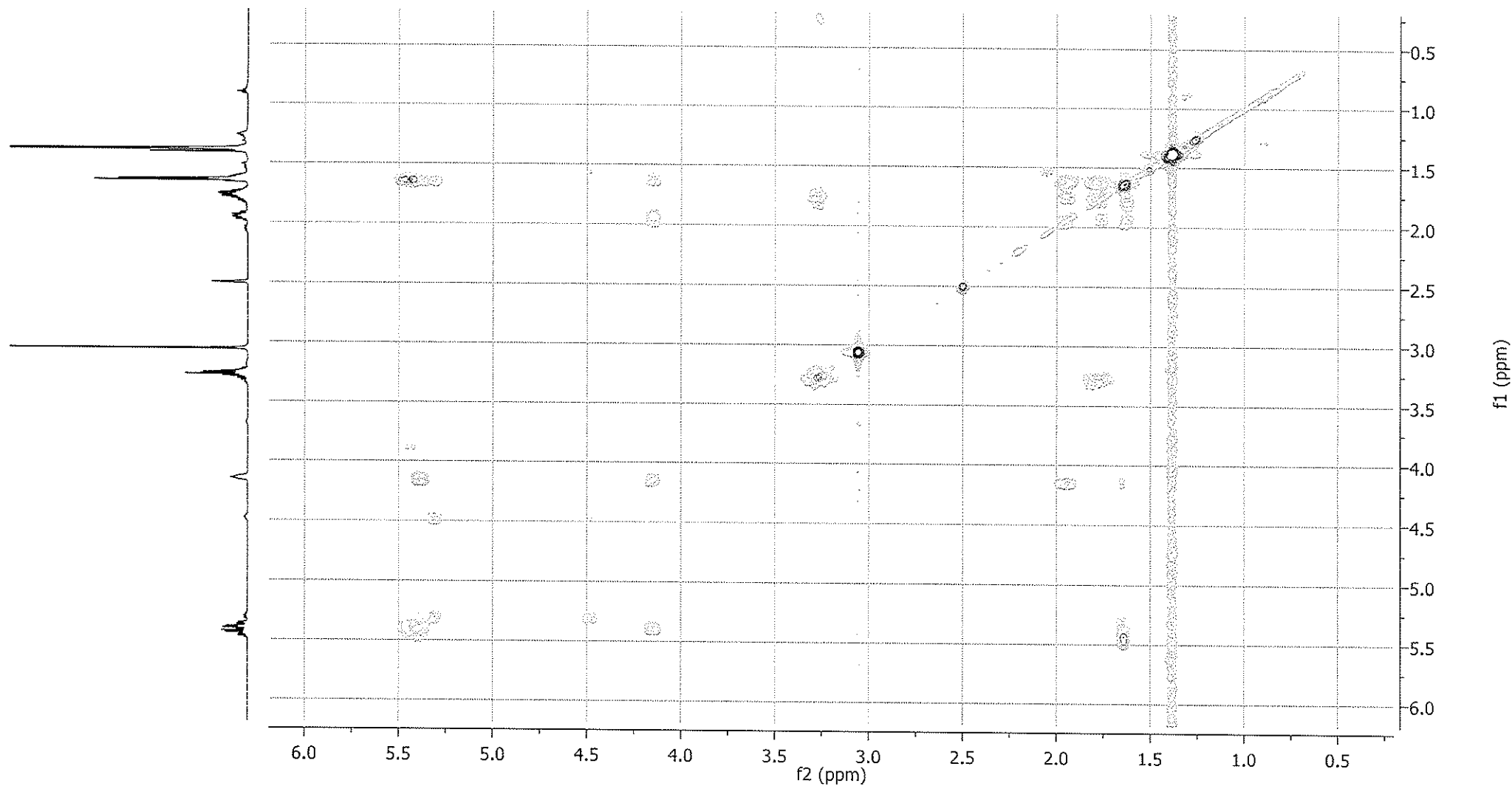
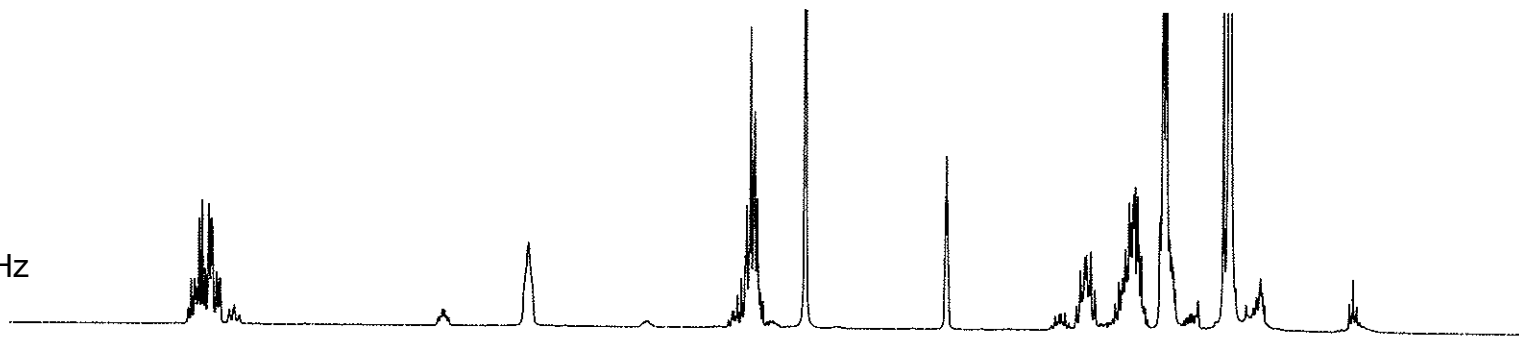


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6i

d6-DMSO, 80 °C, 125.68 MHz

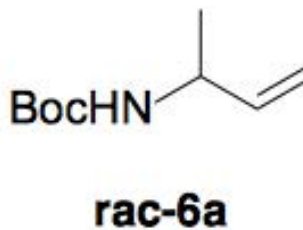


BocAllylAla-Racemo

g-cdx

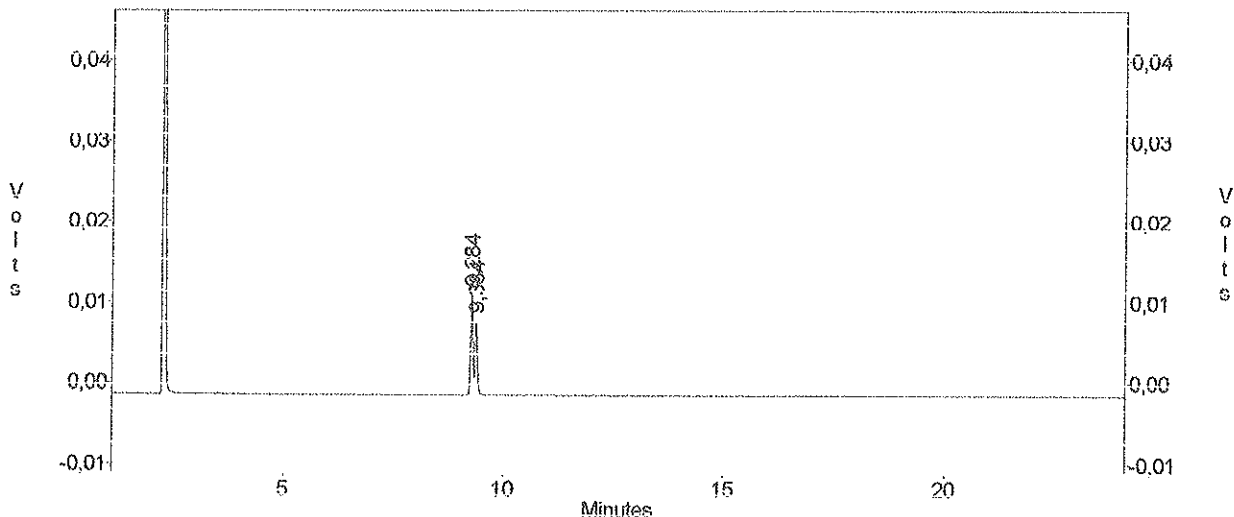
90°C x 5' --> 1°C/min --> 150°C

File : c:\class-vp\chrom\lix2
 Method : c:\class-vp\methods\Fulvia2.met
 Sample ID : LIX162-BocAllylAla
 Acquired : May 22, 2012 04:02:06
 Printed : Jul 31, 2012 01:50:24

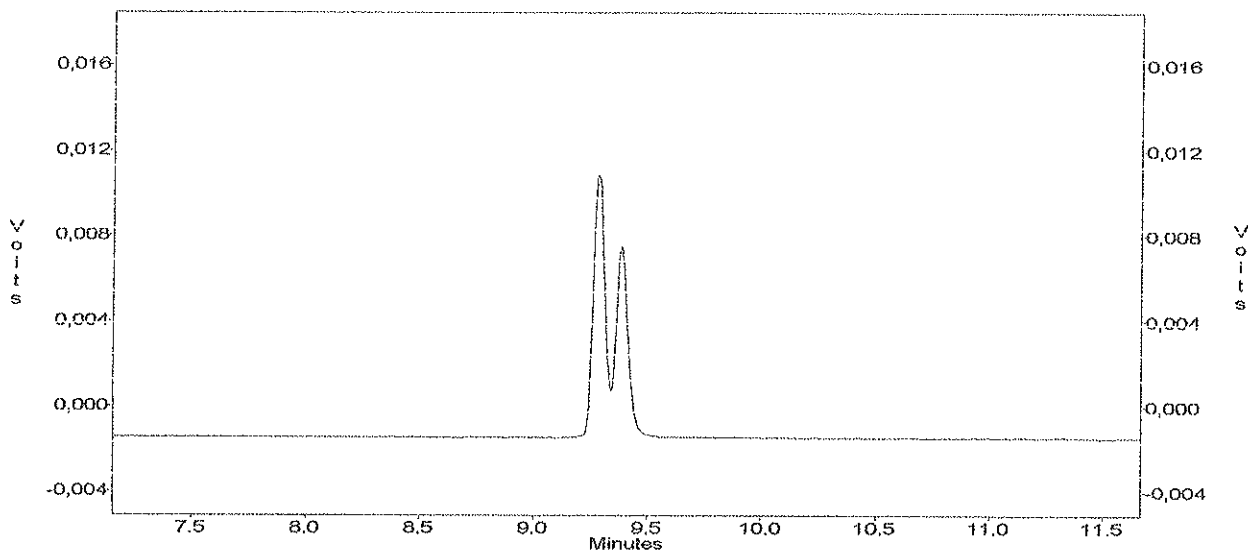


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c:\class-vp\chrom\lix2 -- Channel A



c:\class-vp\chrom\lix2 -- Channel A

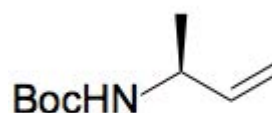


Channel A Results

Peak	Time	Area	Area %
1	9,28	41662	57,271
2	9,38	31083	42,729

Totals :

72745 100,000



(S)-6a

BocAllylAla

g-cdx

90°C x 5' --> 1°C/min --> 150°C

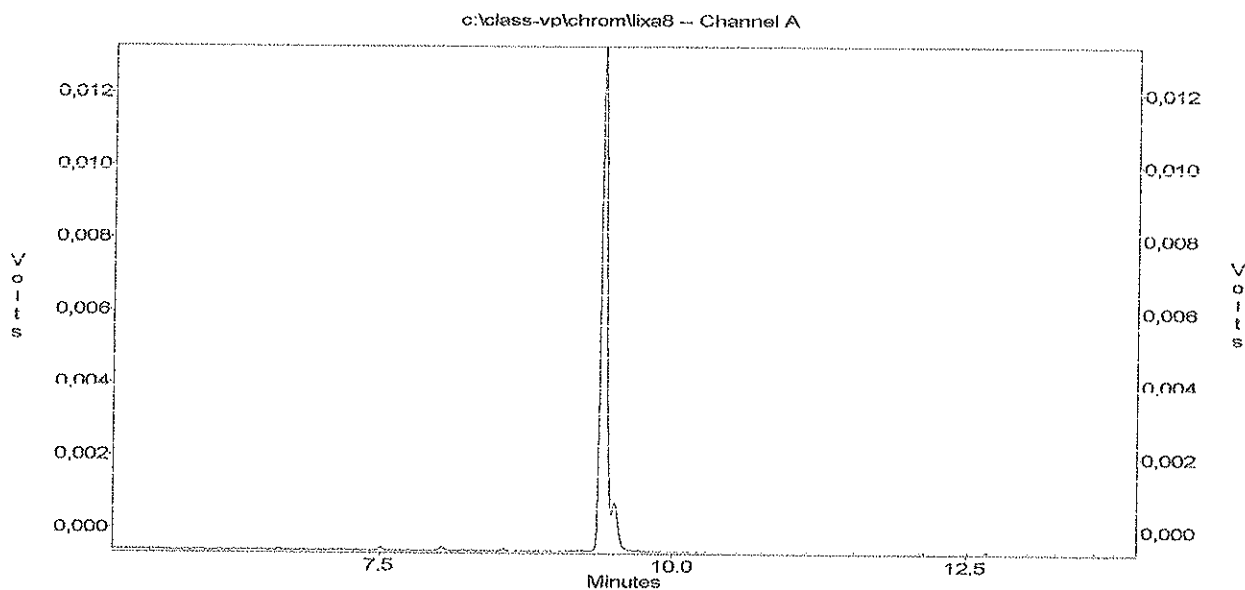
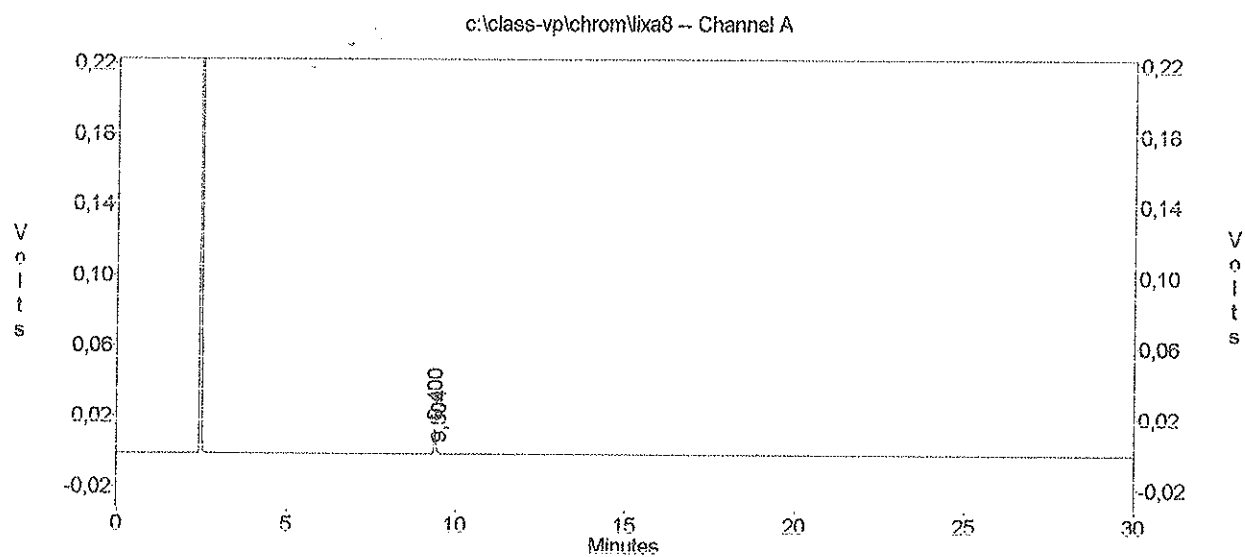
File : c:\class-vp\chrom\lix8

Method : c:\class-vp\methods\Fulvia2.met

Sample ID : LIX142

Acquired : May 23, 2012 04:11:49

Printed : Jul 31, 2012 01:45:06



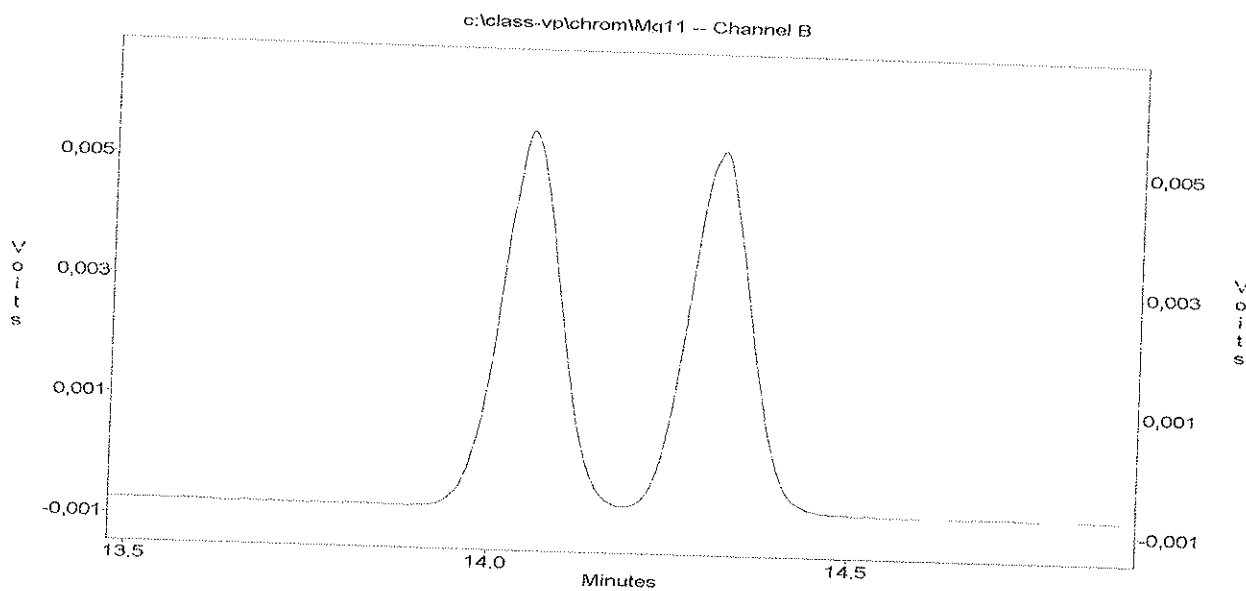
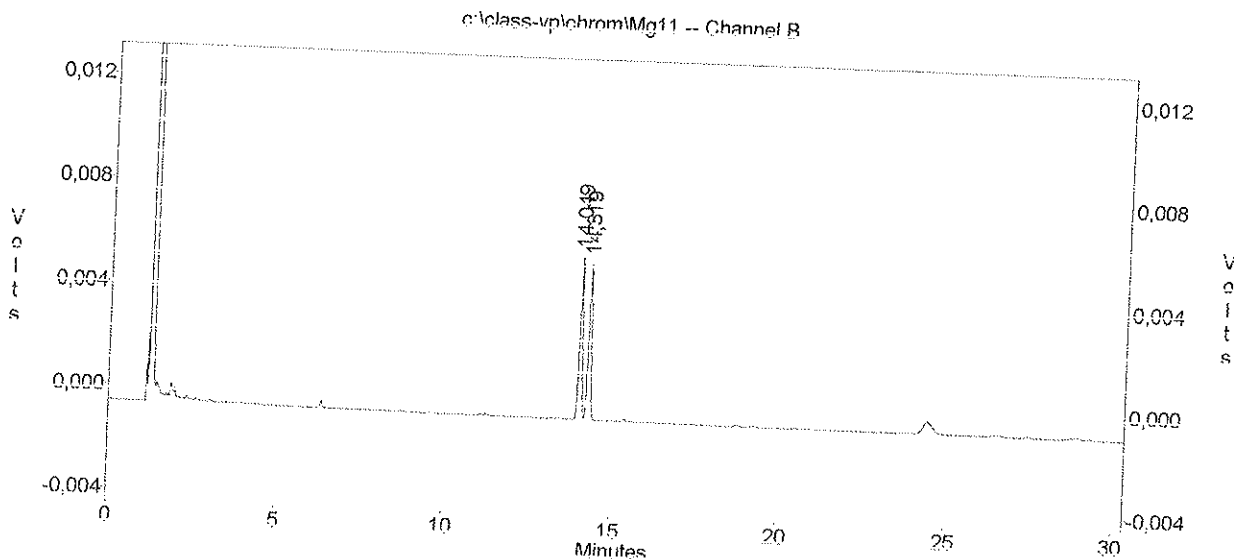
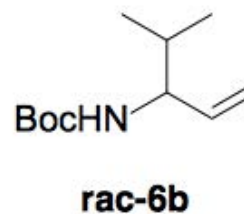
Channel A Results

Peak	Time	Area	Area %
1	9,40	44491	96,778
2	9,50	1481	3,222

Totals :

45972 100,000

DL-BocAllylVal
 β - cdx 100°C x 5 min, 1°C/min -> 150°C
 File : c:\class-vplchrom\Mg11
 Method : c:\class-vplmethods\Fulvia2.met
 Sample ID : DL-BocAllylVal
 Acquired : Jan 04, 1980 21:05:25
 Printed : Jan 04, 1980 21:38:54



Channel B Results

Peak	Time	Area	Area %
1	14,05	35472	50,097
2	14,32	35334	49,903

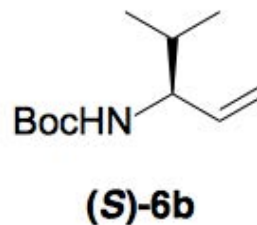
Totals :

70806 100,000

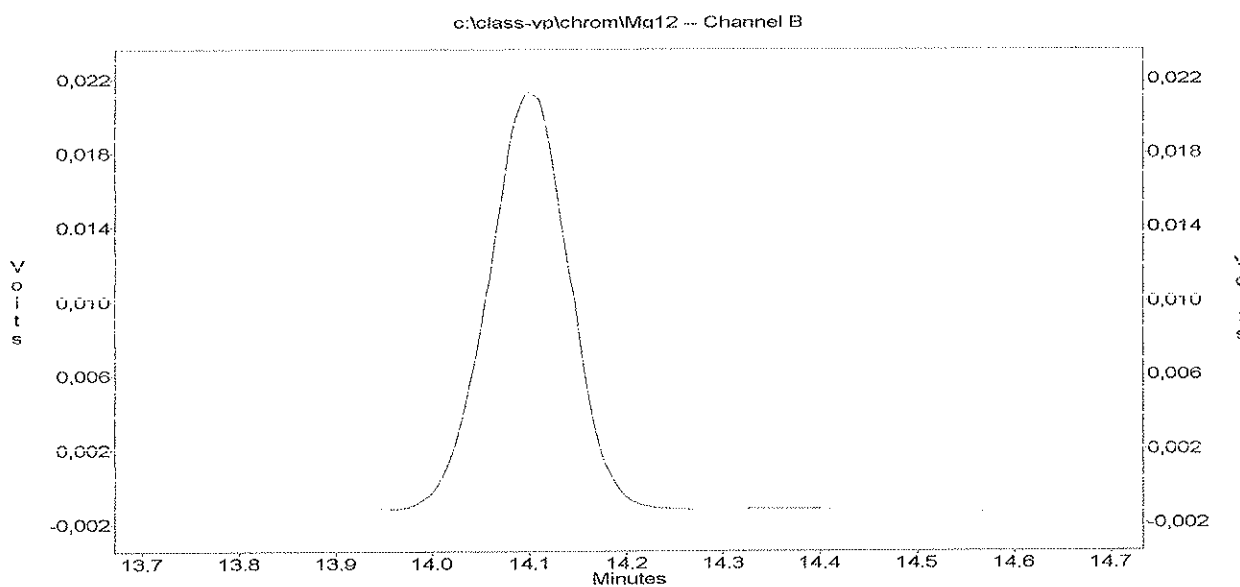
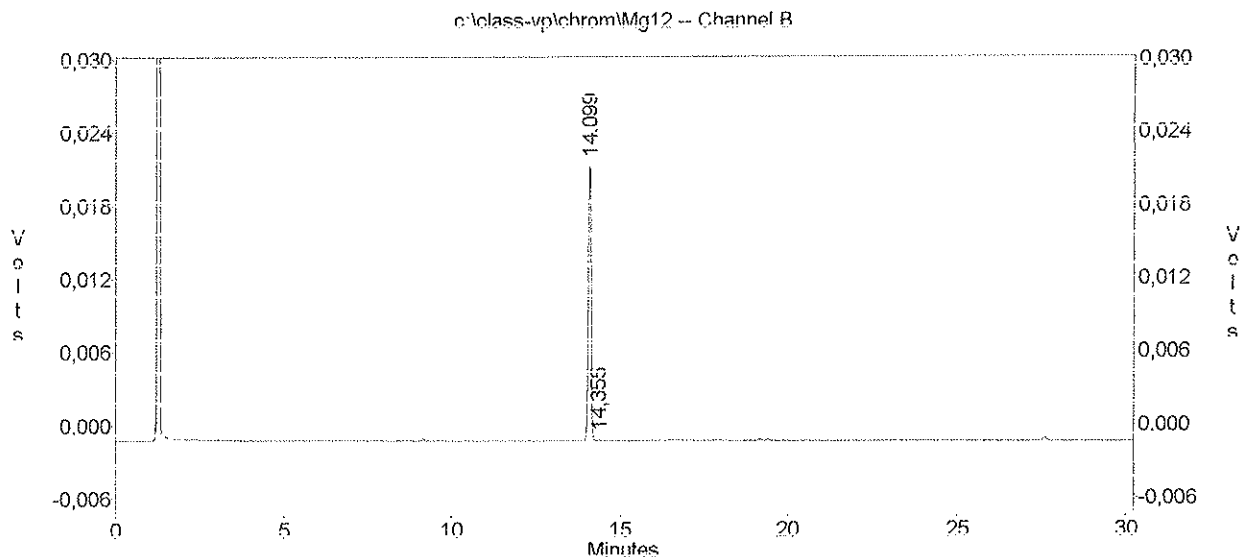
L-BocAllylVal

β β -cdx 100°C x 5 min, 1°C/min \rightarrow 150 °C

File : c:\class-vp\chrom\Mg12
 Method : c:\class-vp\methods\Fulvia2.met
 Sample ID : L-BocAllylVal
 Acquired : Jan 04, 1980 21:44:26
 Printed : Jan 04, 1980 22:31:05



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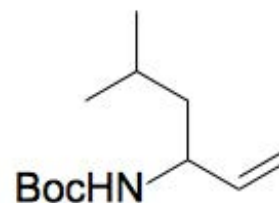
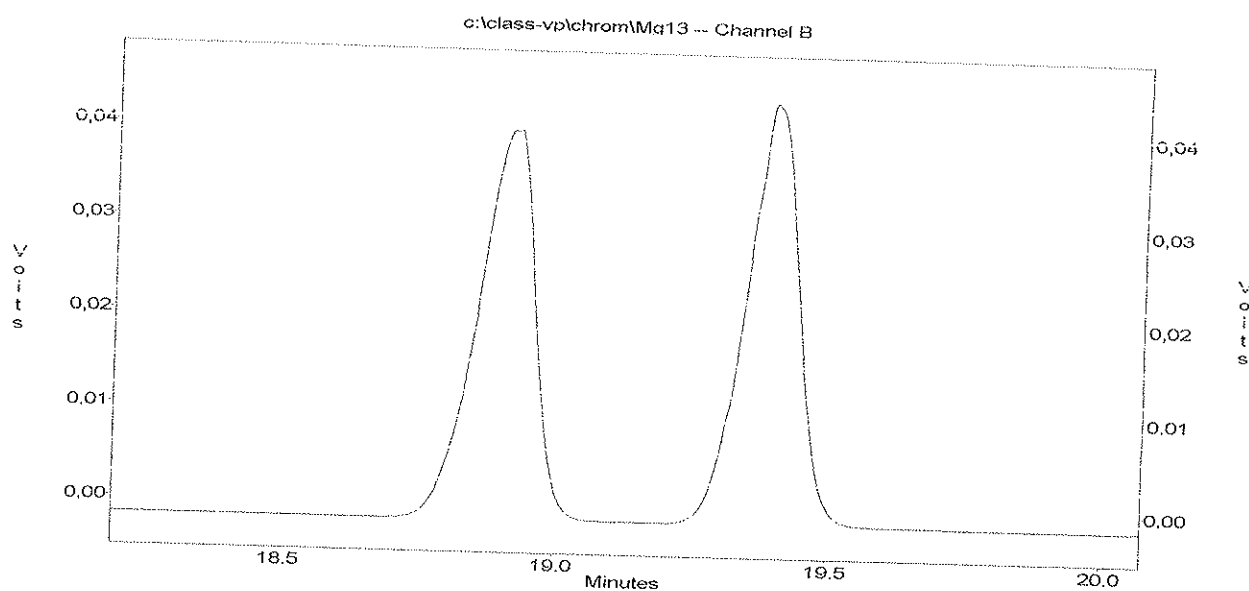
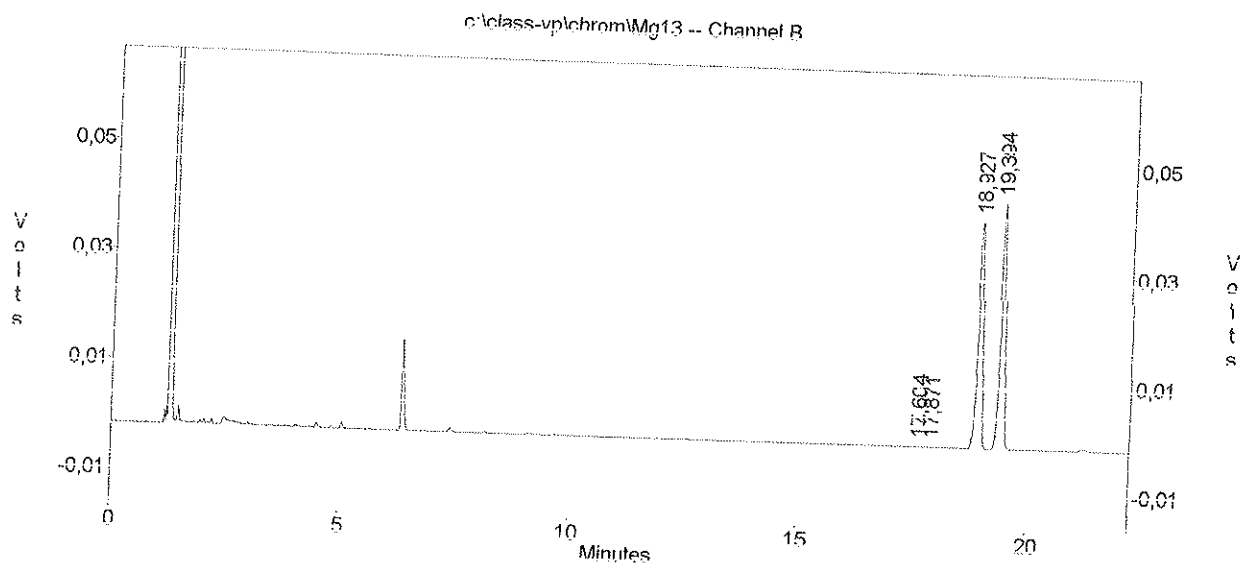
Channel B Results

Peak	Time	Area	Area %
1	14,10	129031	99,847
2	14,36	198	0,153

Totals :
 129229 100,000

DL-BocAllylLeu**β-cdx 100°C x 5 min, 1°C/min -> 150°C**

File : c:\class-vp\chrom\Mg13
 Method : c:\class-vp\methods\Fulvia2.met
 Sample ID : DL-BocAllylLeu
 Acquired : Jan 04, 1980 22:33:48
 Printed : Jan 04, 1980 22:59:46

**rac-6c**

Channel B Results

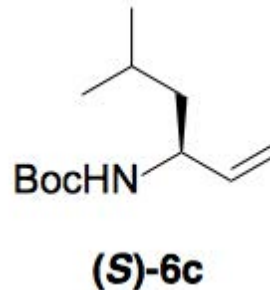
Peak	Time	Area	Area %
1	17,60	354	0,059
2	17,87	466	0,078
3	18,93	296546	49,821
4	19,39	297851	50,041

Continued...

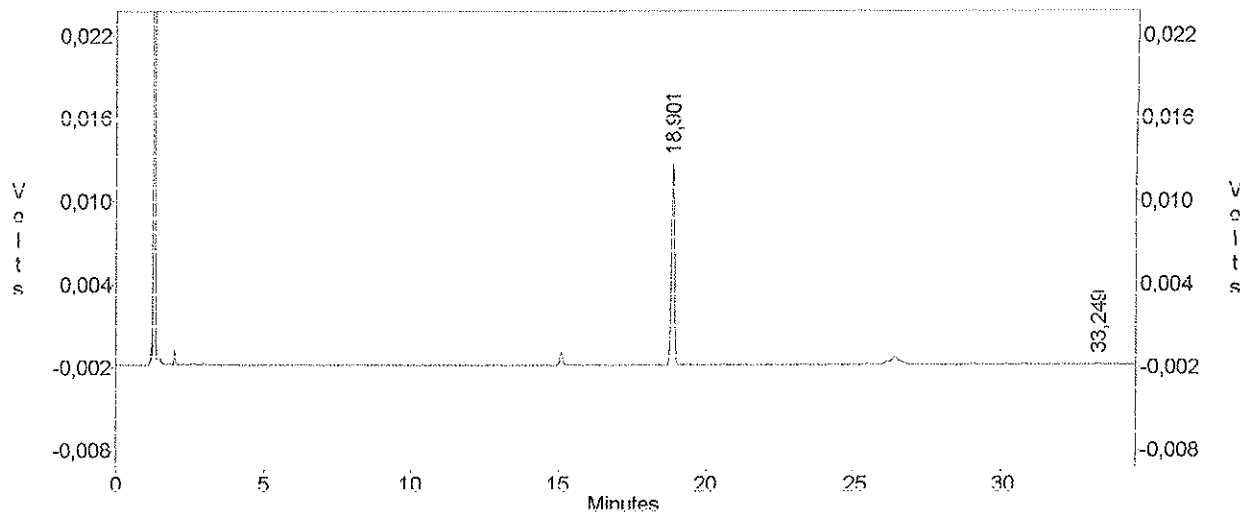
L-BocAllylLeu

βg-cdx 100°C x 5 min, 1°C/min -> 150°C

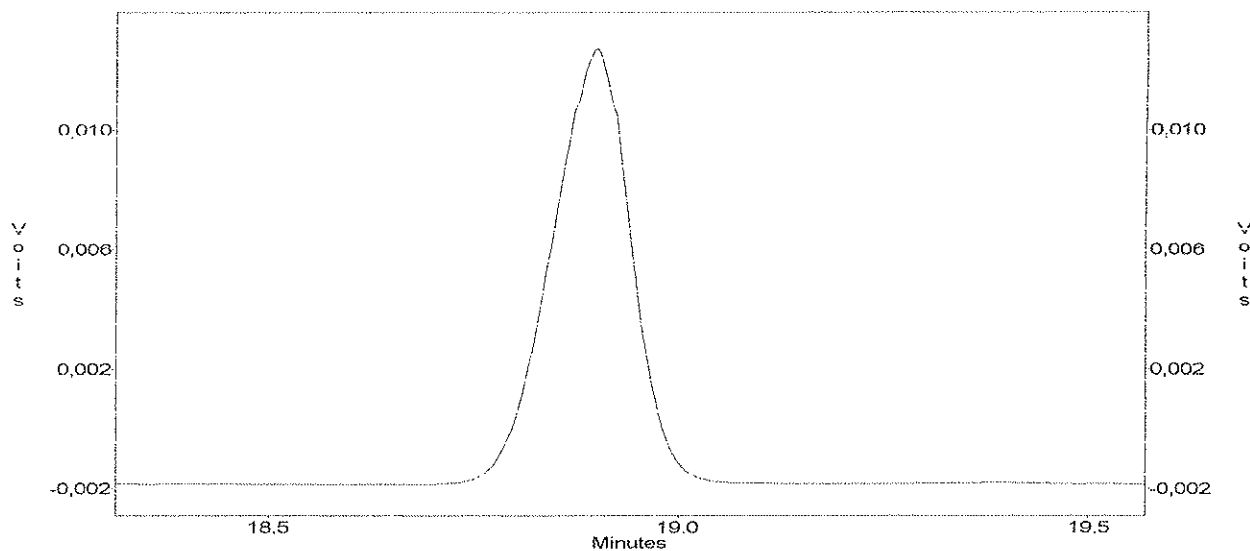
File : c:\class-vp\chrom\Mg14
 Method : c:\class-vp\methods\Fulvia2.met
 Sample ID : L-BocAllylLeu
 Acquired : Jan 04, 1980 23:04:34
 Printed : Jan 05, 1980 00:32:41



c:\class-vp\chrom\Mg14 -- Channel B



c:\class-vp\chrom\Mg14 -- Channel B



Channel B Results

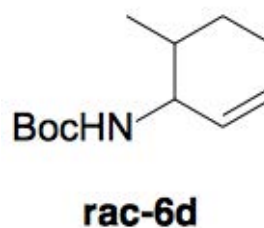
Peak	Time	Area	Area %
1	18,90	96838	99,620
2	33,25	369	0,380

Totals :
 97207 100,000

DL-BocAllylile

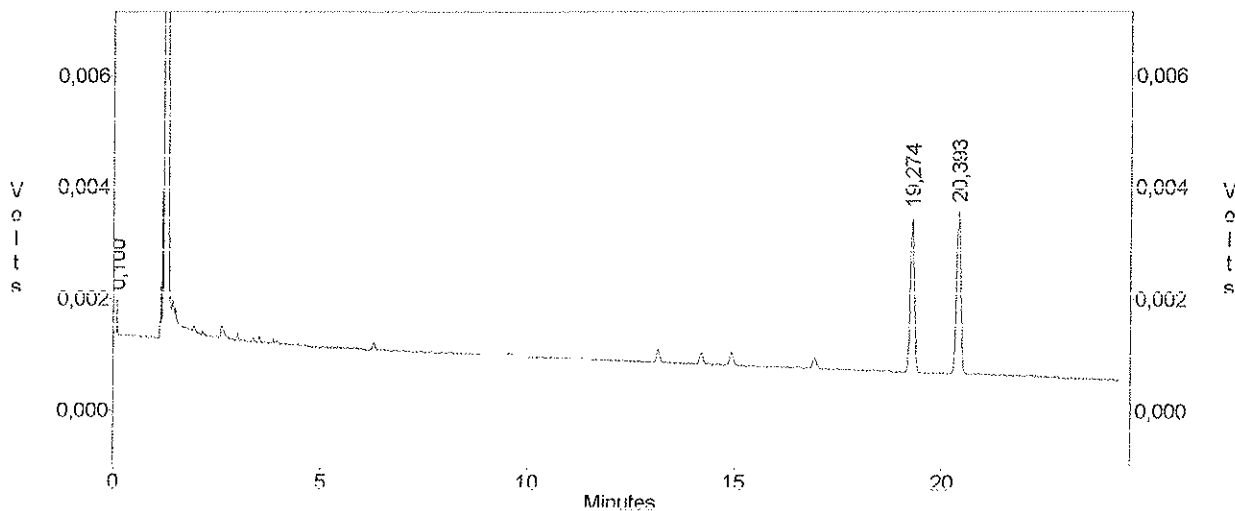
β -cdx 100°C x 5 min, 1°C/min ->150°C

File : c:\class-vp\chrom\Mg9
 Method : c:\class-vp\methods\Fulvia2.met
 Sample ID :
 Acquired : Jan 04, 1980 20:02:01
 Printed : Jan 04, 1980 20:32:02

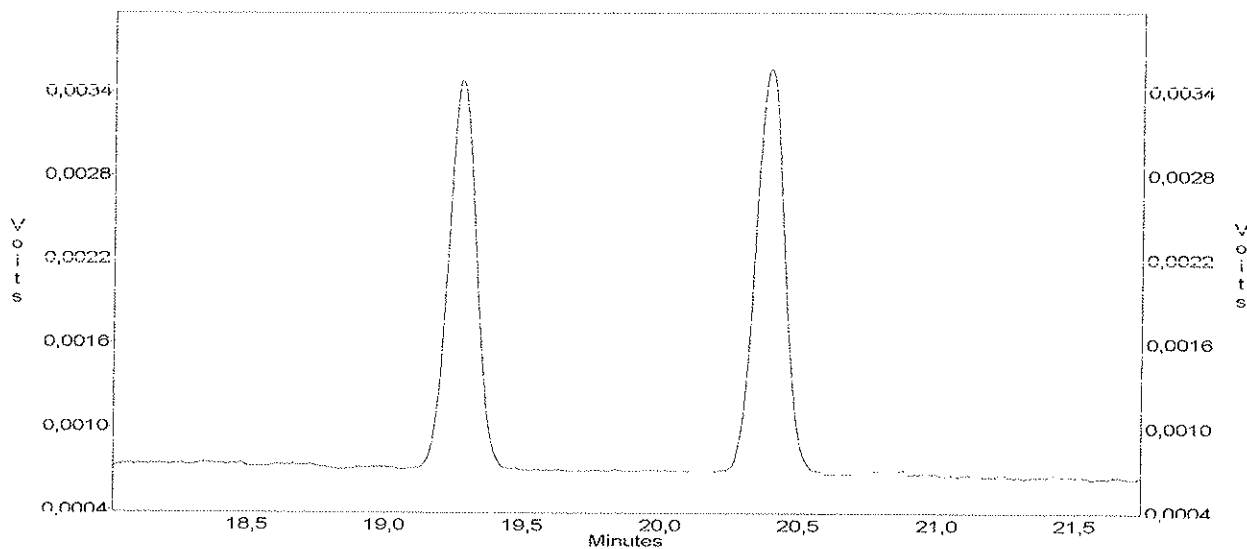


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c:\class-vp\chrom\Mg9 -- Channel B



c:\class-vp\chrom\Mg9 -- Channel B



Channel B Results

Peak	Time	Area	Area %
1	0,10	419	1,029
2	19,27	19240	47,231
3	20,39	21077	51,740

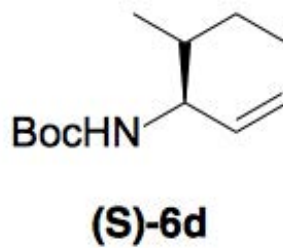
Totals :

40736 100,000

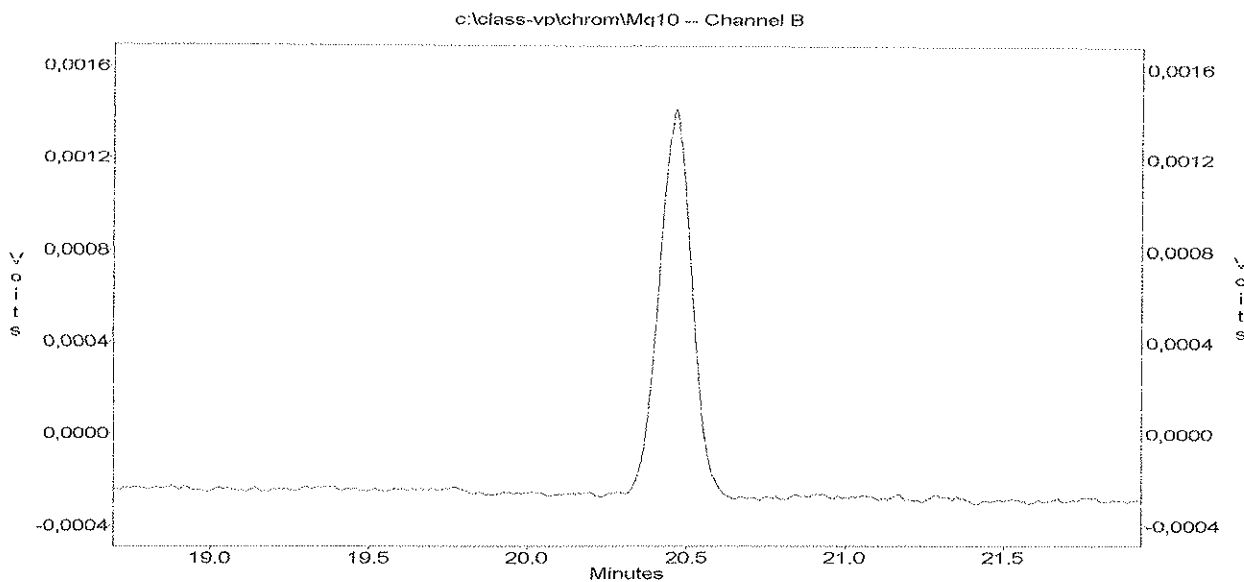
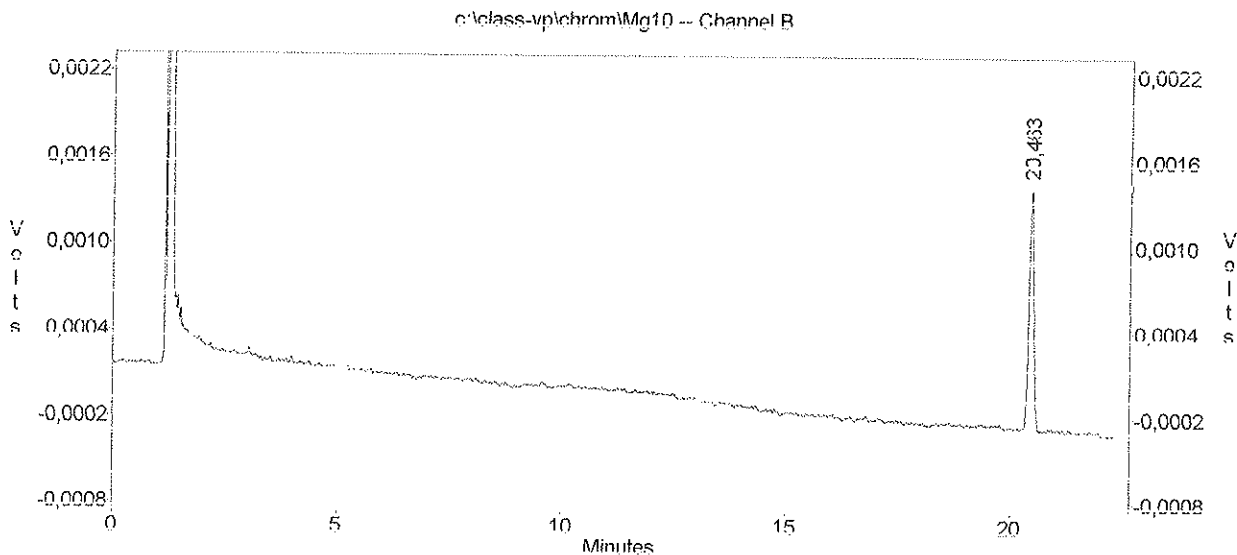
L-BocAllylIle

β β -cdx 100°C x 5 min, 1°C/min \rightarrow 150°C

File : c:\class-vplchrom\Mg10
 Method : c:\class-vplmethods\Fulvia2.met
 Sample ID : L-BocAllylIle
 Acquired : Jan 04, 1980 20:35:40
 Printed : Jan 04, 1980 21:01:16



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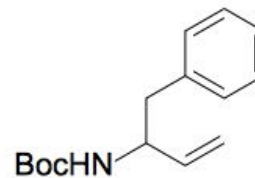
Channel B Results

Peak	Time	Area	Area %
1	20,46	12041	100,000

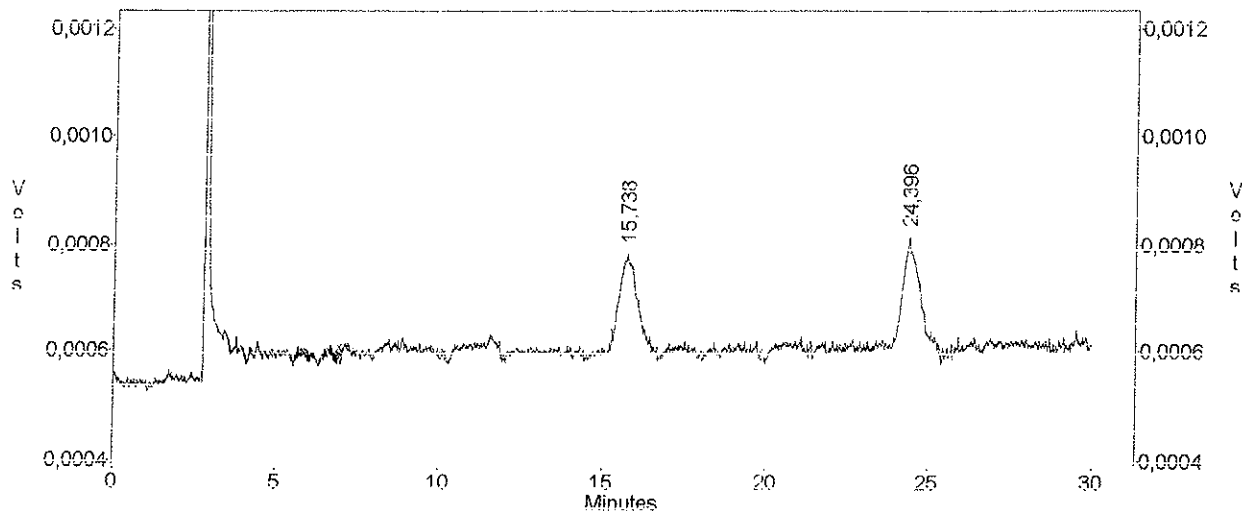
Totals :
 12041 100,000

DL-BocAllylPhe
g-cdx isoterma 150°C

File : c:\class-vp\chrom\Mg7
 Method : c:\class-vp\methods\Fulvia2.met
 Sample ID :

**rac-6e**

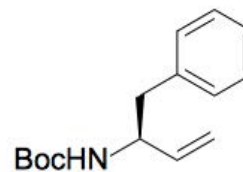
c:\class-vp\chrom\Mg7 -- Channel A



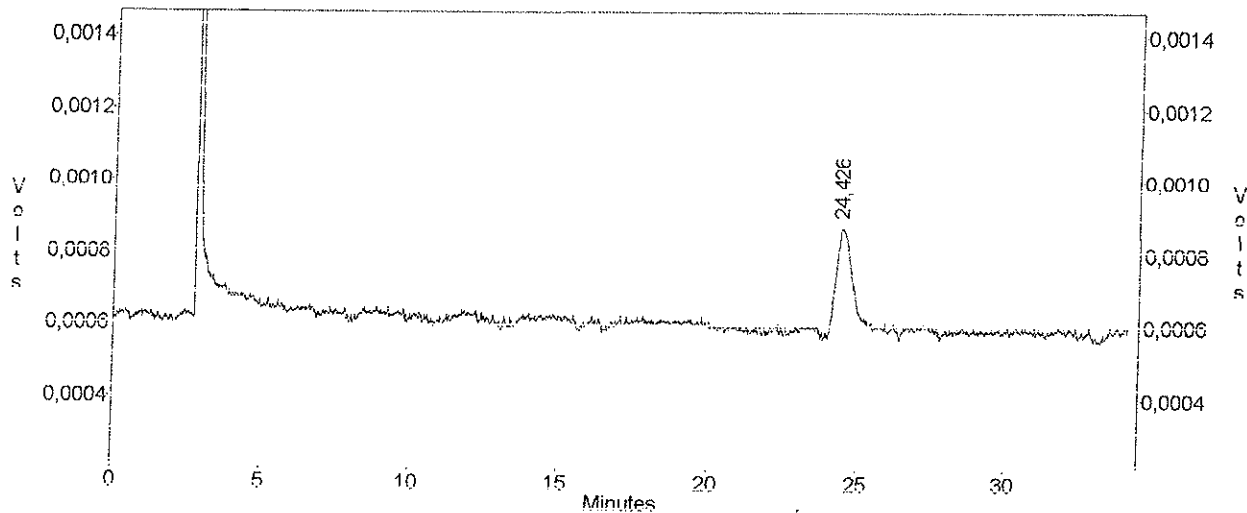
L-BocAllylPhe

g-cdx isoterma 150°C

File : c:\class-vp\chrom\Mg8
 Method : c:\class-vp\methods\Fulvia2.met
 Sample ID : L-AllylPhe

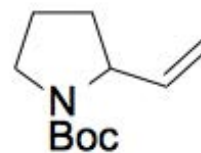
**(S)-6e**

c:\class-vp\chrom\Mg8 -- Channel A



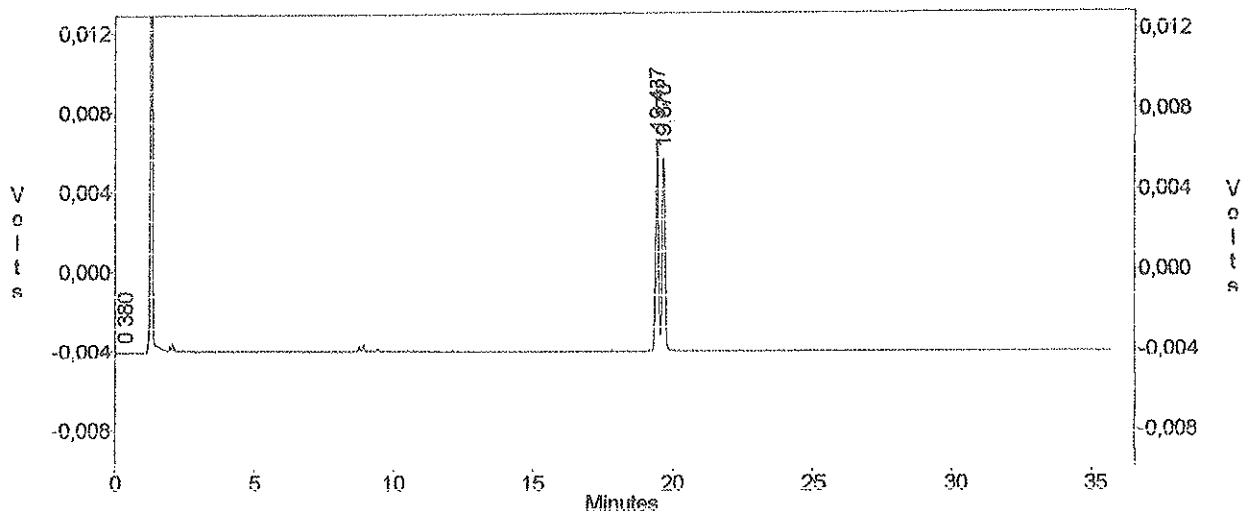
DL-BocAllylPro
b-cdx isoterma 100°C

File : c:\class-vp\chrom\Mg5
 Method : c:\class-vp\methods\Fulvia2.met
 Sample ID : DL-BocAllylPro bcd
 Acquired : Aug 09, 2012 09:42:00
 Printed : Aug 09, 2012 10:21:35

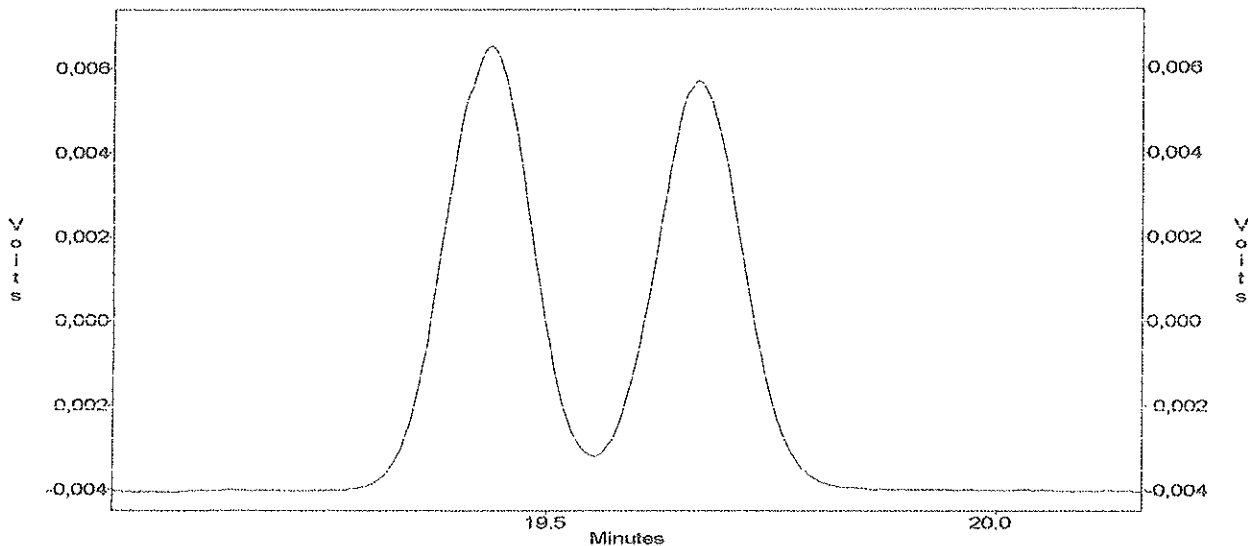


rac-6g

c:\class-vp\chrom\Mg5 -- Channel B



c:\class-vp\chrom\Mg5 -- Channel B



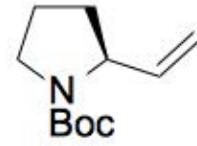
Channel B Results

Peak	Time	Area	Area %
1	0,38	107	0,084
2	19,44	66321	52,134
3	19,67	60785	47,782

Totals :
 127213 100,000

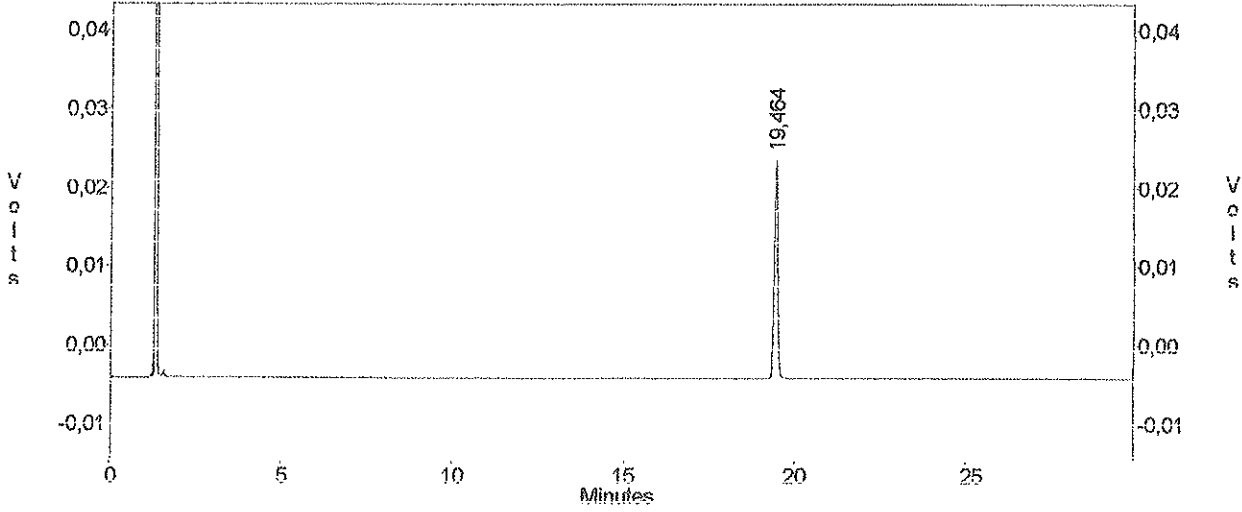
L-BocAllylPro
b-cdx isoterma 100°C

File : c:\class-vp\chrom\Mq6
Method : c:\class-vp\methods\Fulvia2.met
Sample ID : L-BocAllylPro
Acquired : Aug 09, 2012 10:25:15
Printed : Aug 09, 2012 10:58:15

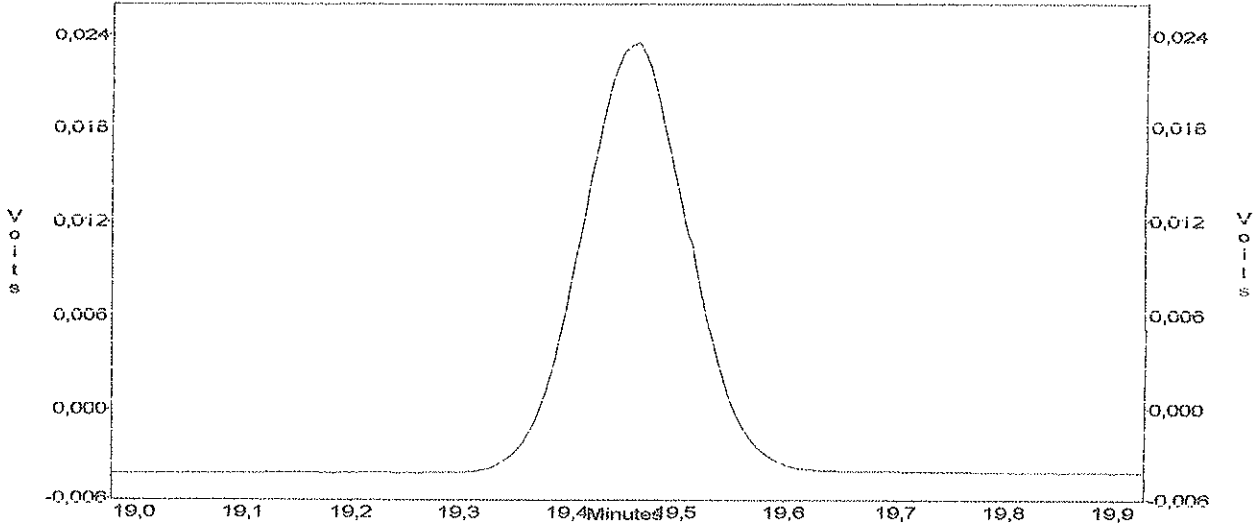


(S)-6g

c:\class-vp\chrom\Mq6 -- Channel B



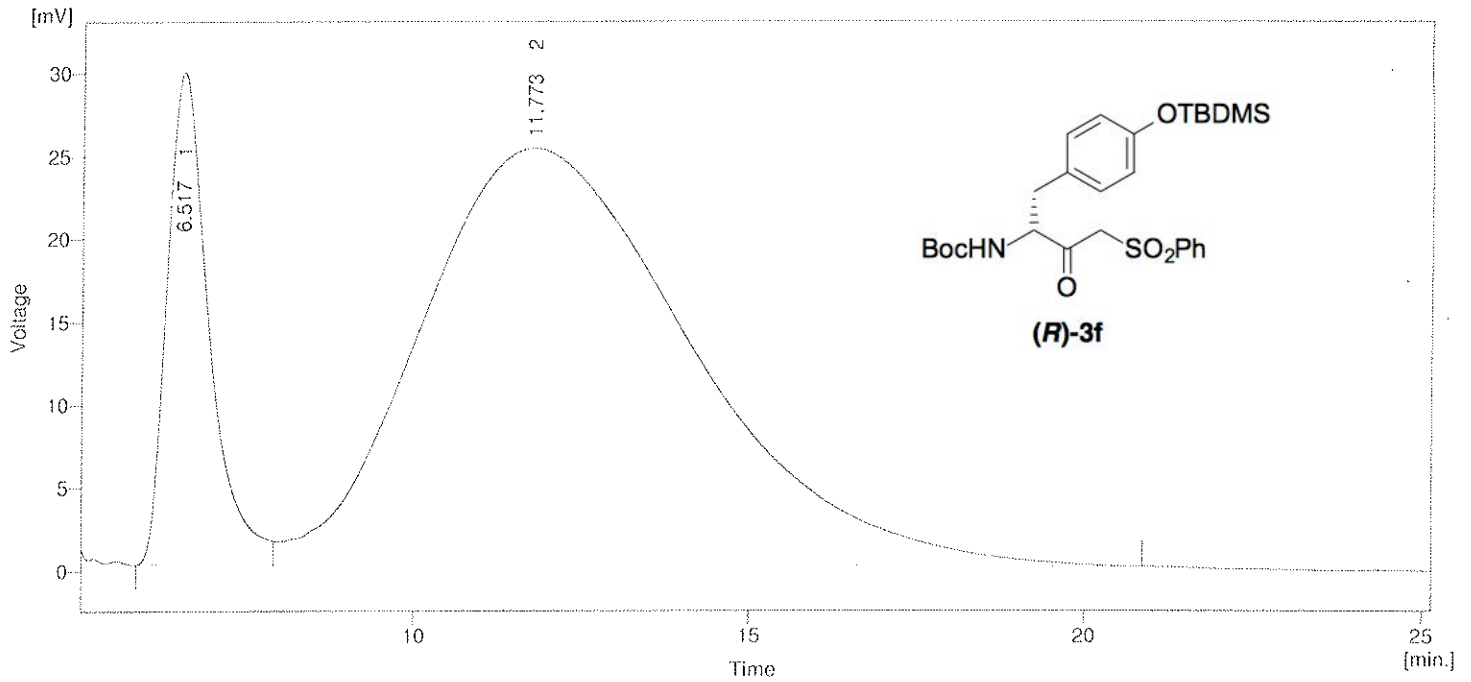
c:\class-vp\chrom\Mq6 -- Channel B



Channel B Results

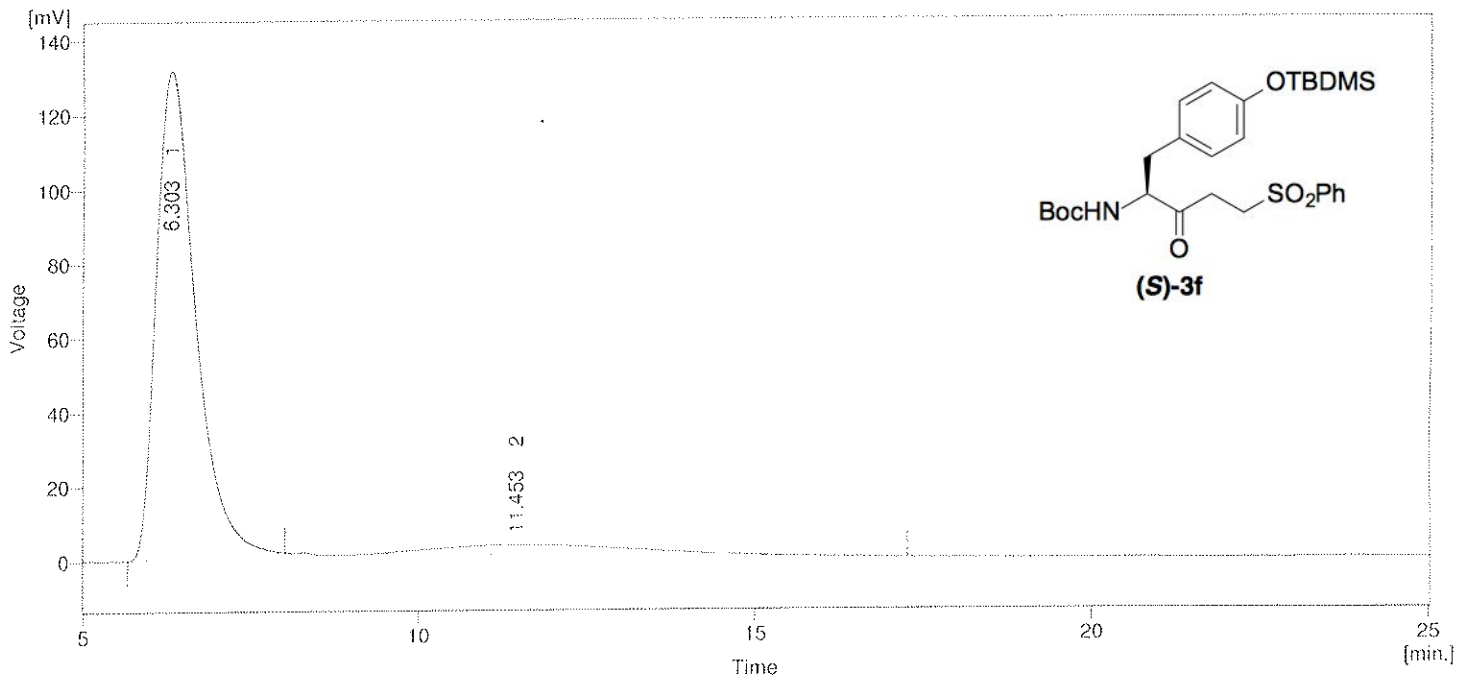
Peak	Time	Area	Area %
1	19,46	188661	100,000

Totals :
188661 100,000



Result Table

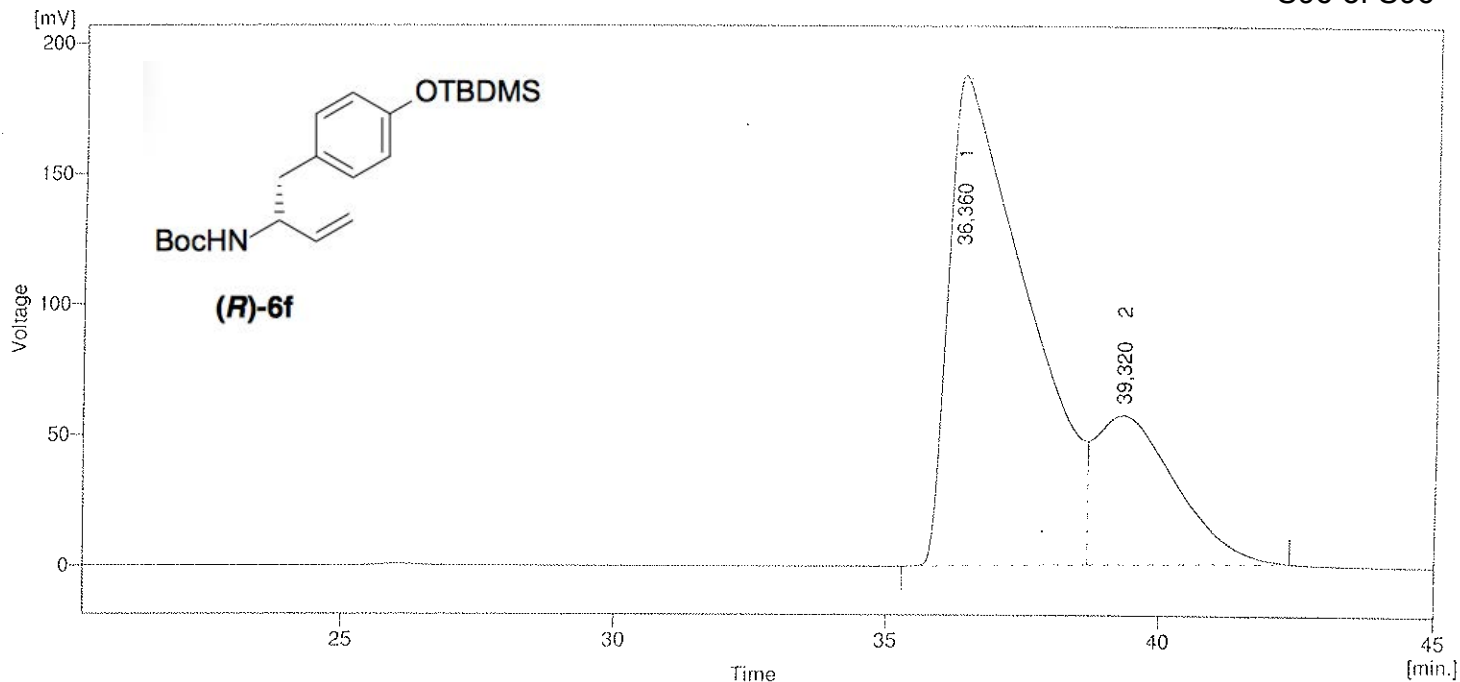
	Reten. Time [min]	Area [mV.s]	Height [mV]	Area [%]	Height [%]	W05 [min]
1	6.517	1293.477	29.654	15.5	54.1	0,64
2	11.773	7034.776	25.134	84,5	45,9	4,32
	Total	8328.253	54.788	100,0	100,0	



Result Table

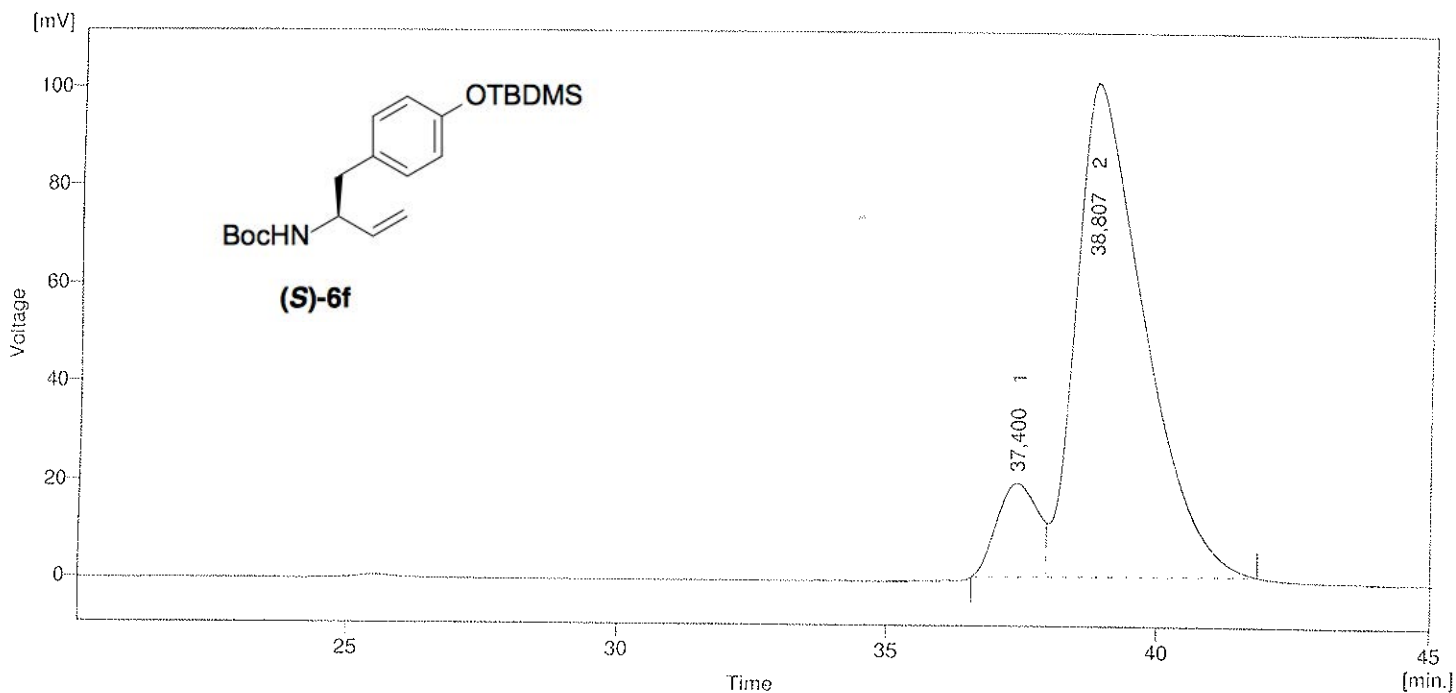
	Reten. Time [min]	Area [mV.s]	Height [mV]	Area [%]	Height [%]	W05 [min]
1	6.303	5242.714	130.997	90,7	98,1	0,61
2	11,453	536.721	2,527	9,3	1,9	3,24
	Total	5779.435	133,524	100,0	100,0	

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Result Table

	Reten. Time [min]	Area [mV.s]	Height [mV]	Area [%]	Height [%]	W05 [min]
1	36,360	18656,150	187,571	76,0	76,7	1,62
2	39,320	5896,603	57,075	24,0	23,3	1,69
	Total	24552,753	244,646	100,0	100,0	



Result Table

	Reten. Time [min]	Area [mV.s]	Height [mV]	Area [%]	Height [%]	W05 [min]
1	37,400	1004,754	19,350	10,2	16,1	0,97
2	38,807	8819,375	100,597	89,8	83,9	1,34
	Total	9824,129	119,947	100,0	100,0	