

Supporting Information

Syntheses of 12H-Benzo[*a*]xanthen-12-ones and Benzo[*a*]acridin-12(*7H*)-ones through Au(I)-Catalyzed Michael Addition/*6-Endo*-Trig

Cyclization/Aromatization Cascade Annulation

Zhilong Xiong,^{a,b} Xinhang Zhang,^{a,b,c} Yangming Li,^{a,b,c} Xiaoshi Peng,^{a,b} Jiayue Fu,^{a,b,c} Jiajia Guo,^{a,b,c} Fukai Xie,^{a,b} Chongguo Jiang,^{a,b} Bin Lin,^{a,b} Yongxiang Liu,^{*a,b,c} Maosheng Cheng^{*a,b}

^a Key Laboratory of Structure-Based Drug and Discovery (Shenyang Pharmaceutical University), Ministry of Education, Shenyang 110016, P. R. China

^b Institute of Drug Research in Medicine Capital of China, Benxi, 117000, P. R. China

^c Wuya College of Innovation, Shenyang Pharmaceutical University, Shenyang 110016, P. R. China

Contents

1. NMR Spectra.....	S3
----------------------------	-----------

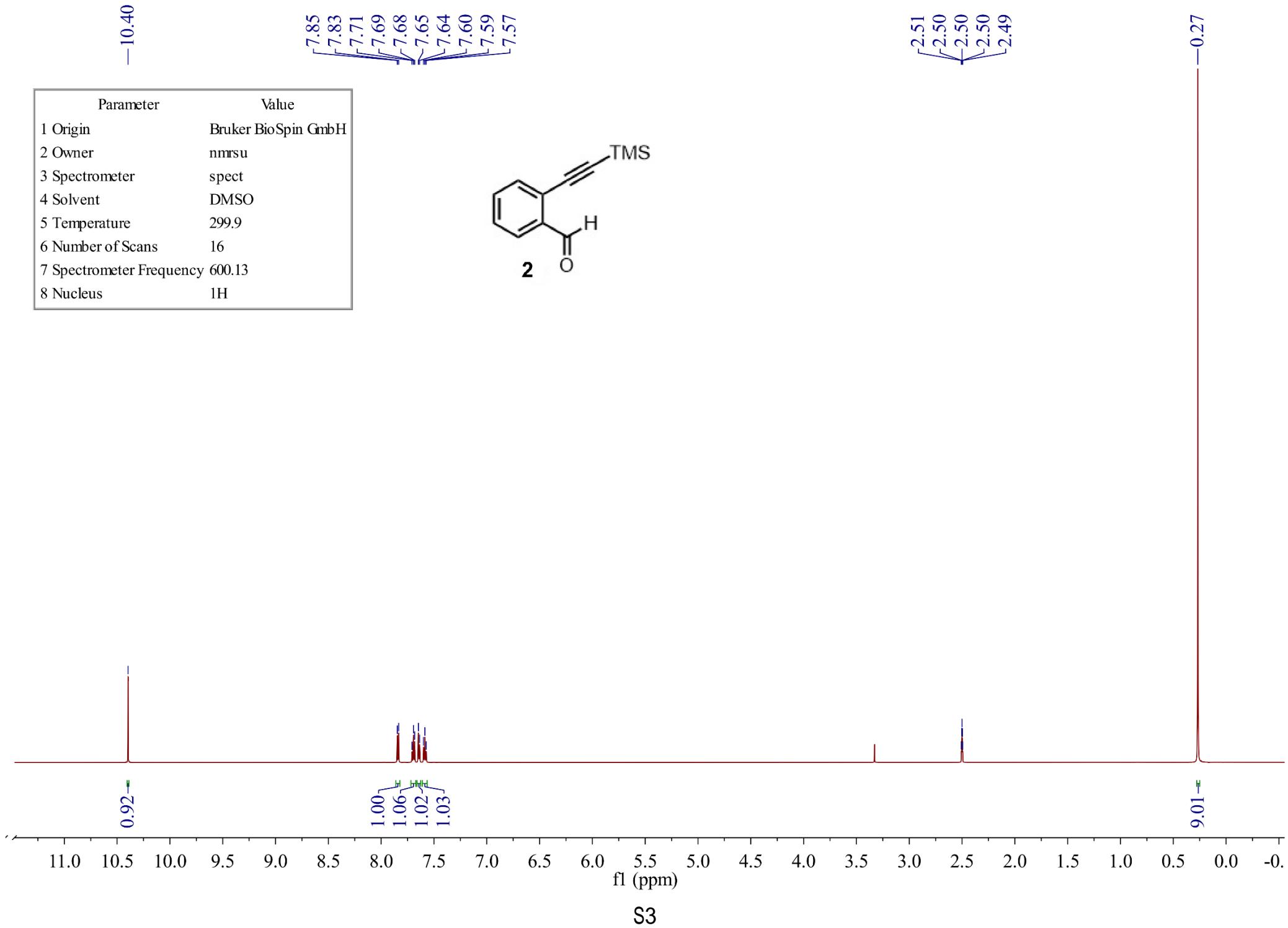
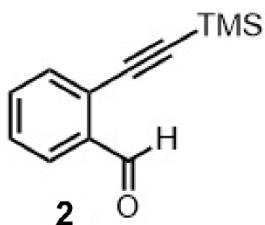
-10.40

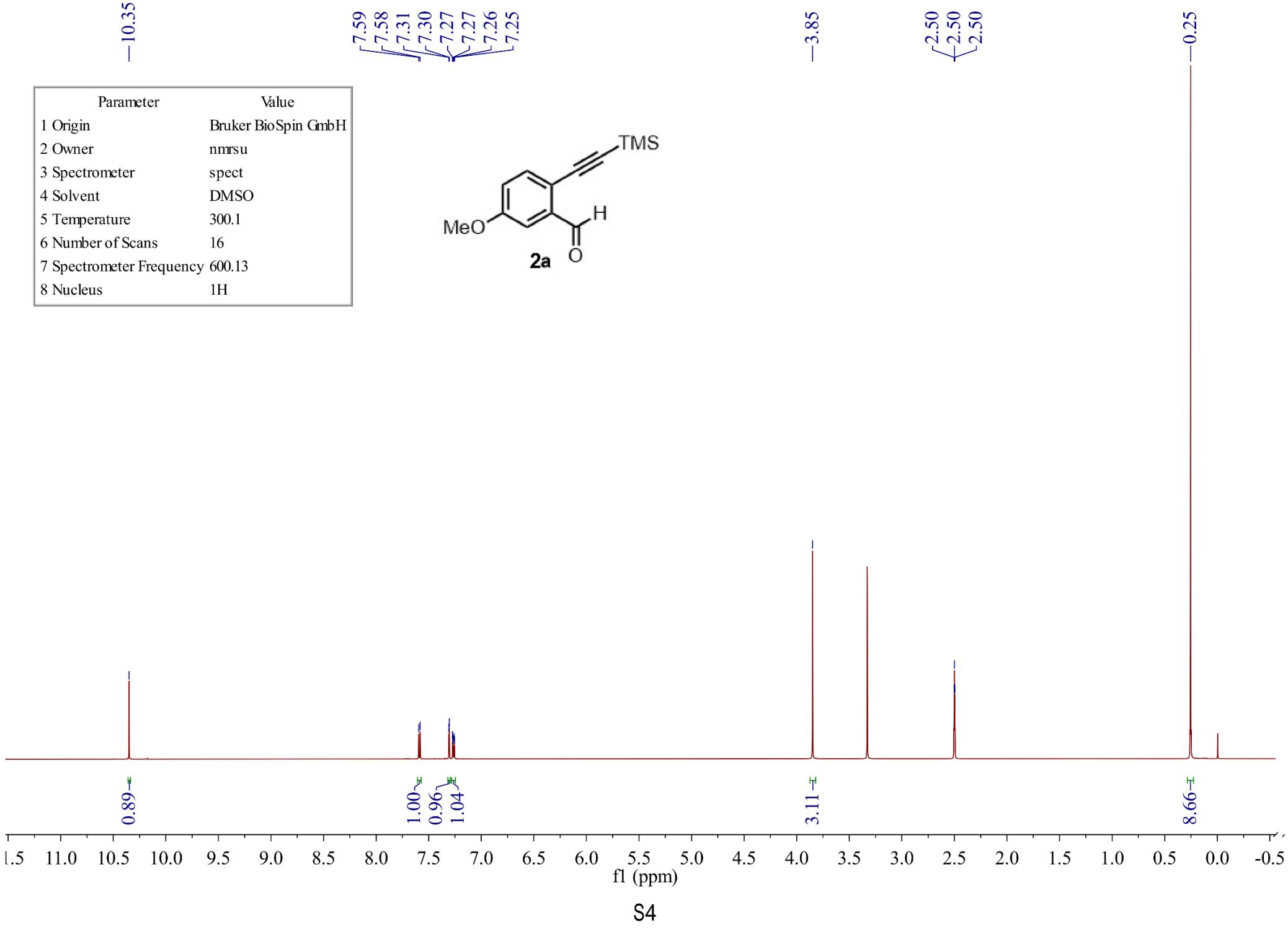
7.85
7.83
7.71
7.69
7.68
7.65
7.64
7.60
7.59
7.57

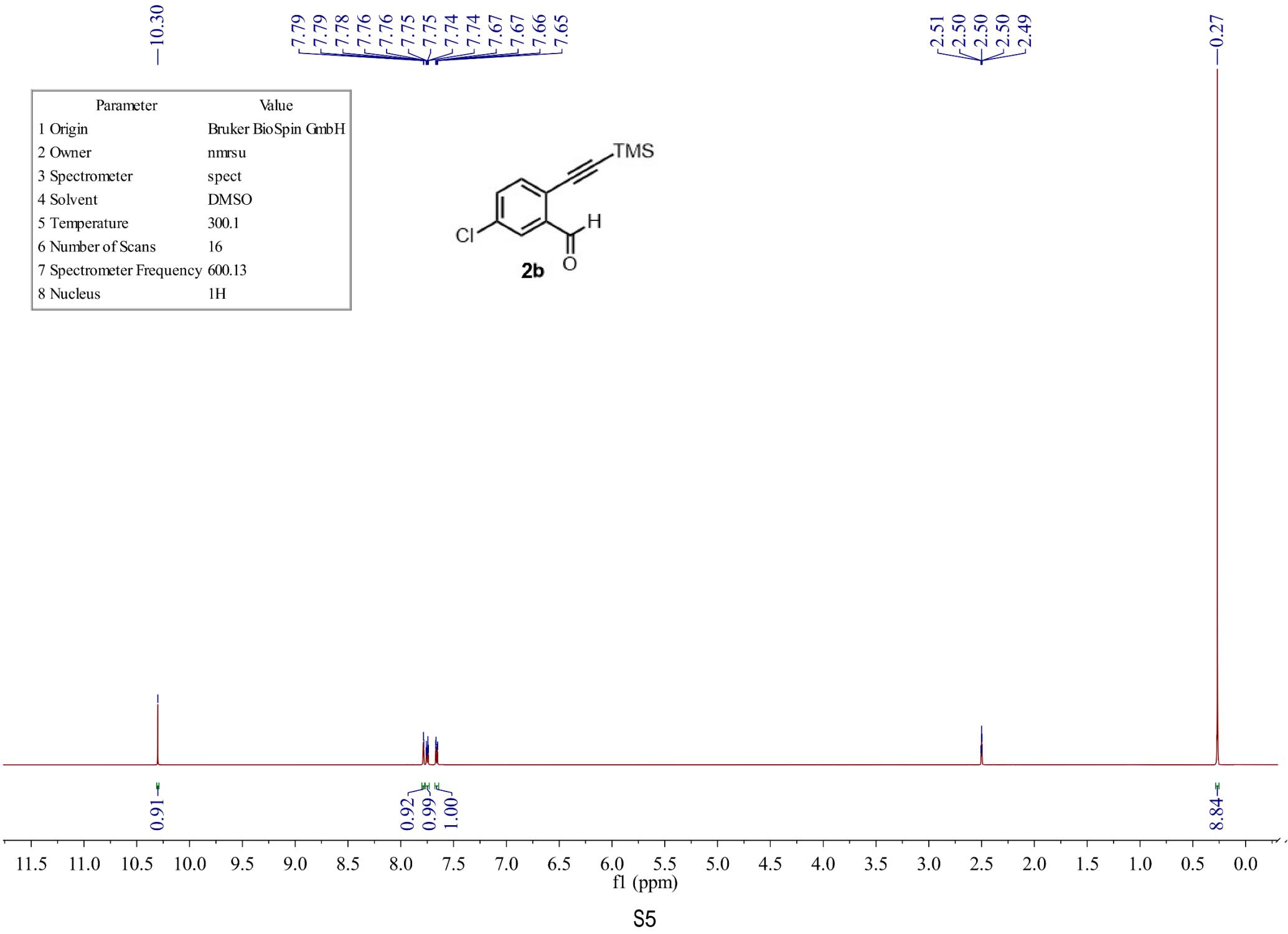
2.51
2.50
2.50
2.50
2.49

0.27

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmrsu
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	299.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H







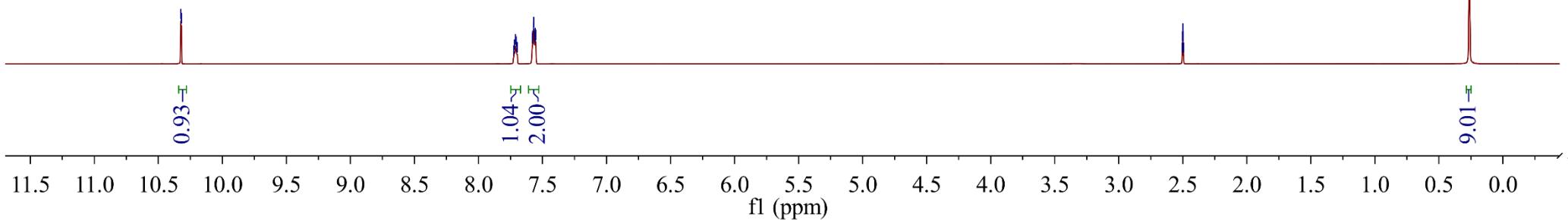
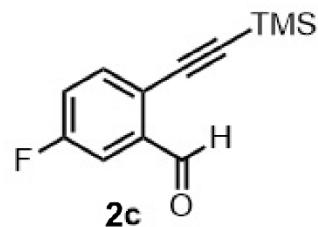
{10.32
10.32
10.32}

7.73
7.72
7.71
7.70
7.70
7.58
7.58
7.57
7.57
7.56
7.56
7.55
7.55

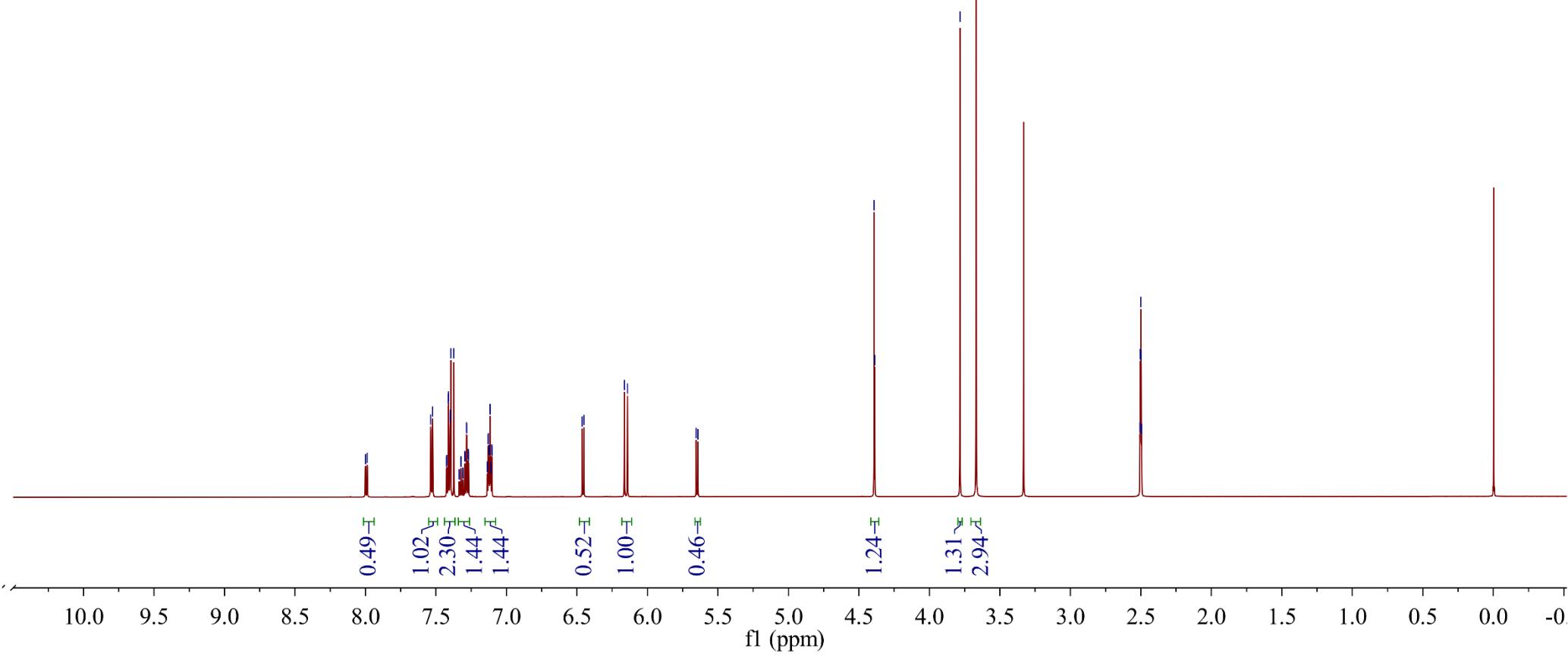
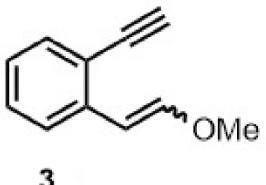
2.51
2.50
2.50
2.50
2.49

0.26

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmrsu
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	300.1
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H



Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmrsu
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	299.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H

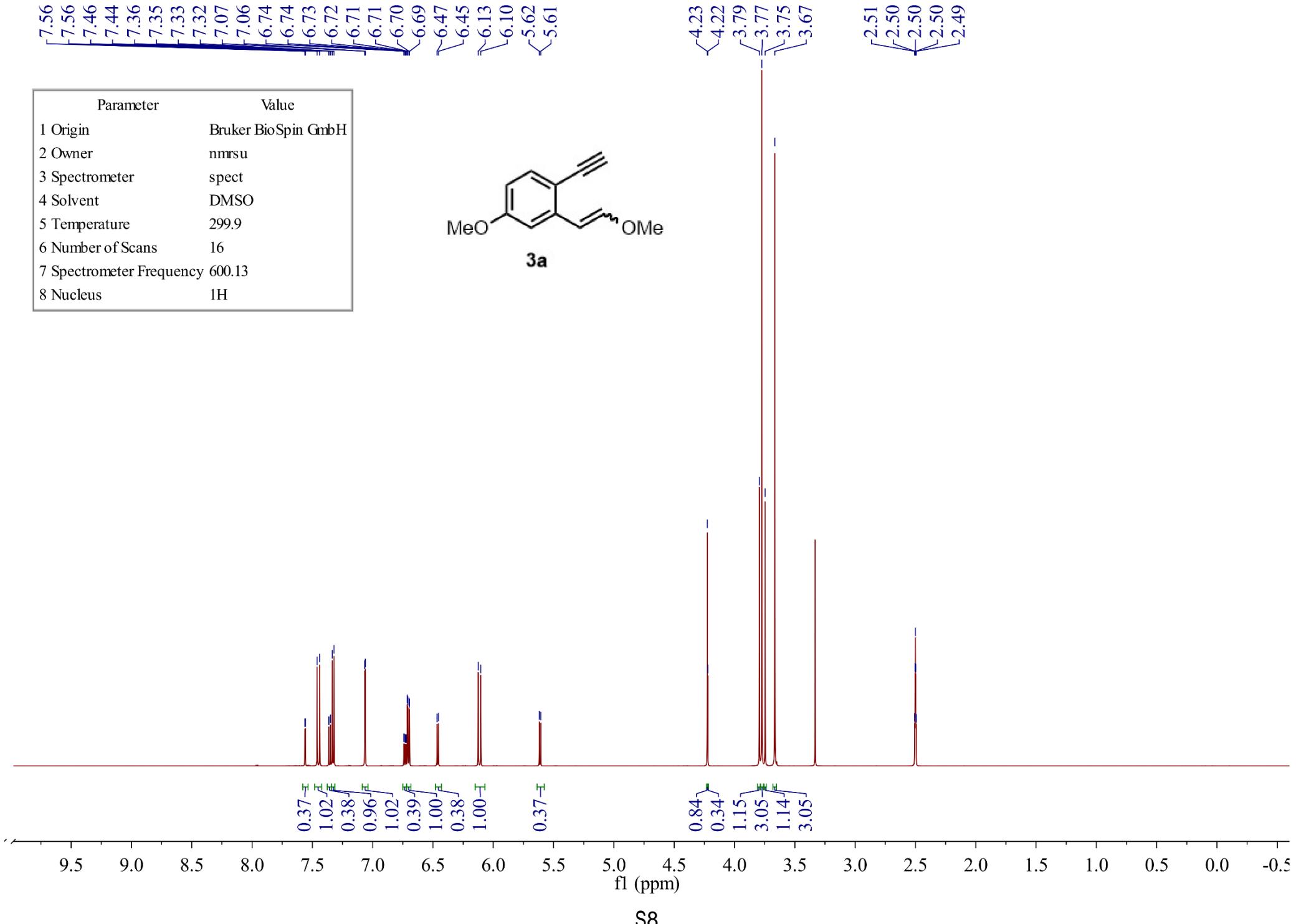
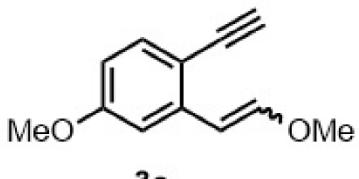


7.56
7.56
7.46
7.44
7.36
7.35
7.33
7.32
7.07
7.06
6.74
6.74
6.73
6.72
6.71
6.70
6.69
6.69
6.47
6.45
6.13
6.10
5.62
5.61

4.23
4.22
3.79
3.77
3.75
3.67

2.51
2.50
2.50
2.50
2.49

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmrsu
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	299.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H

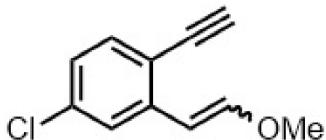


8.00
7.80
7.65
7.65
7.54
7.52
7.45
7.43
7.42
7.41
7.20
7.19
7.18
7.18
7.16
7.16
7.15
7.15
6.56
6.55
6.10
6.08
5.63
5.61

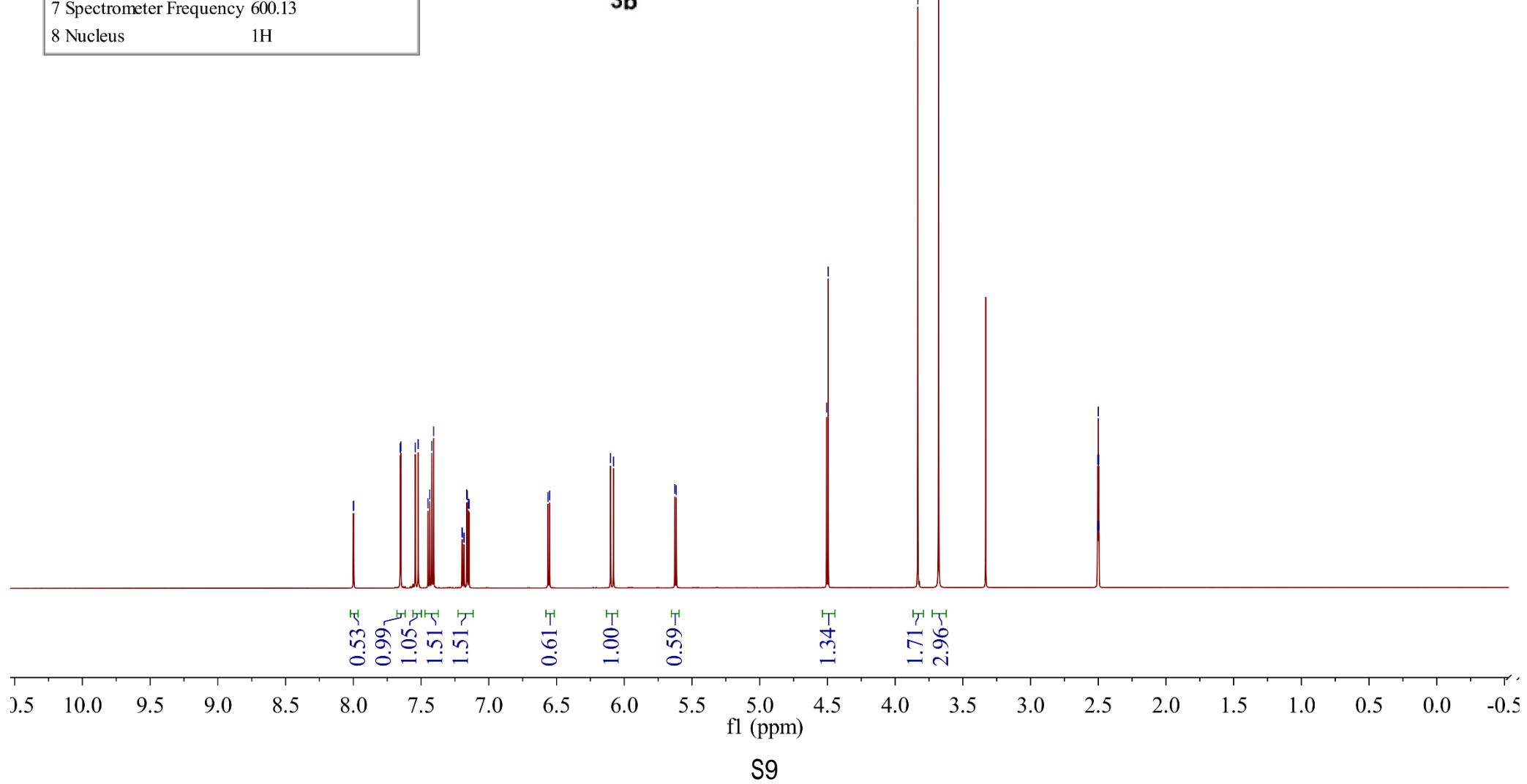
4.51
4.49
-3.83
-3.68

2.51
2.50
2.50
2.50
2.49

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmrsu
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	300.1
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H

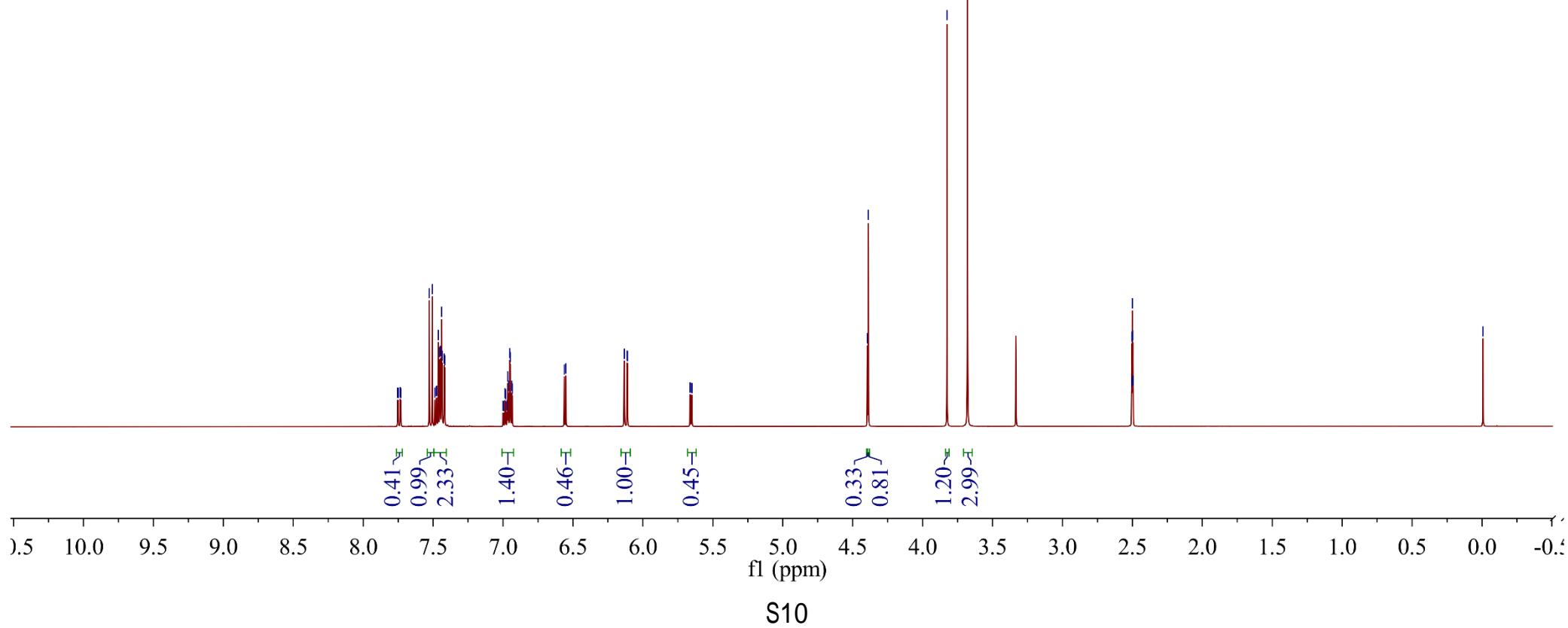
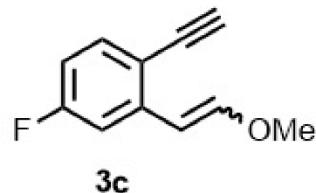


3b



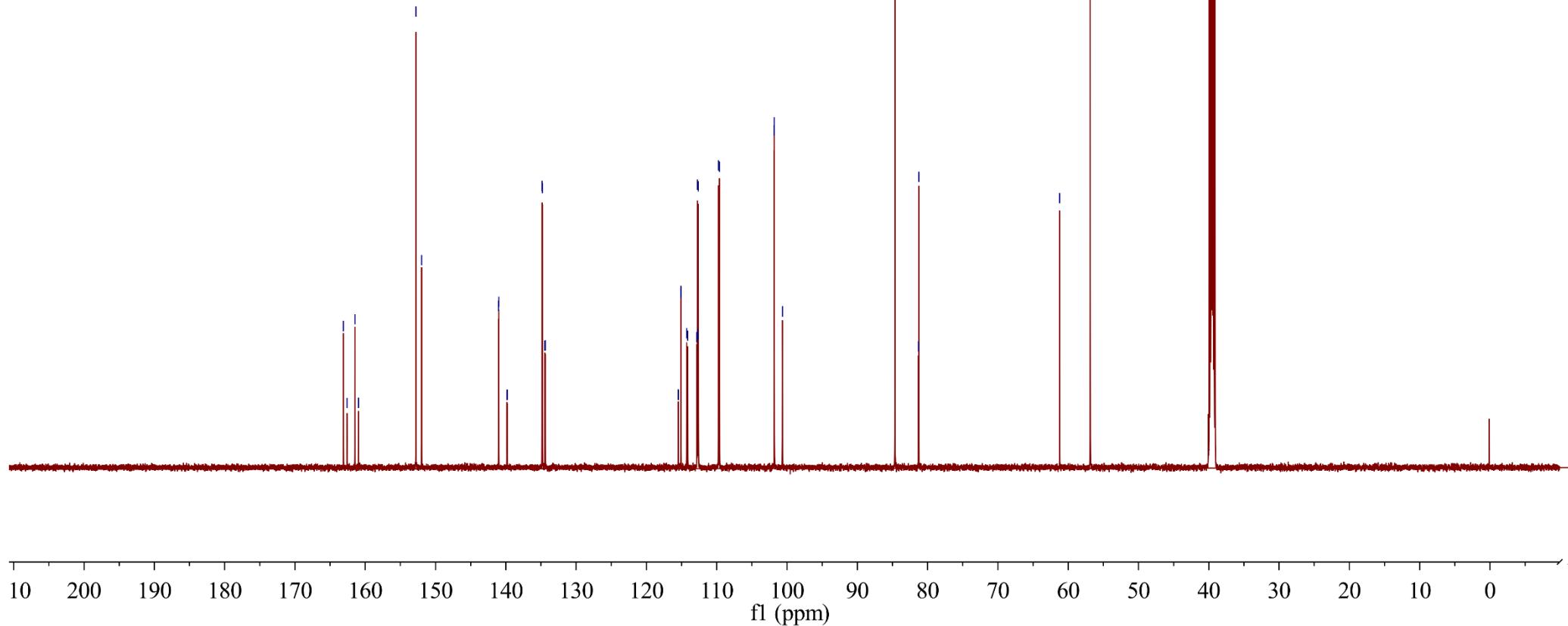
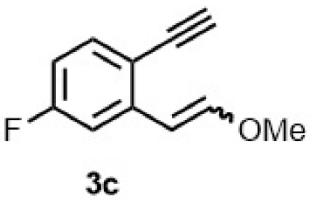
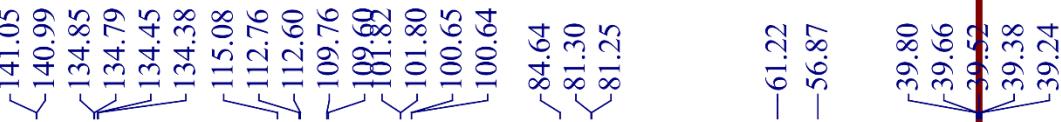


Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmrsu
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	299.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H



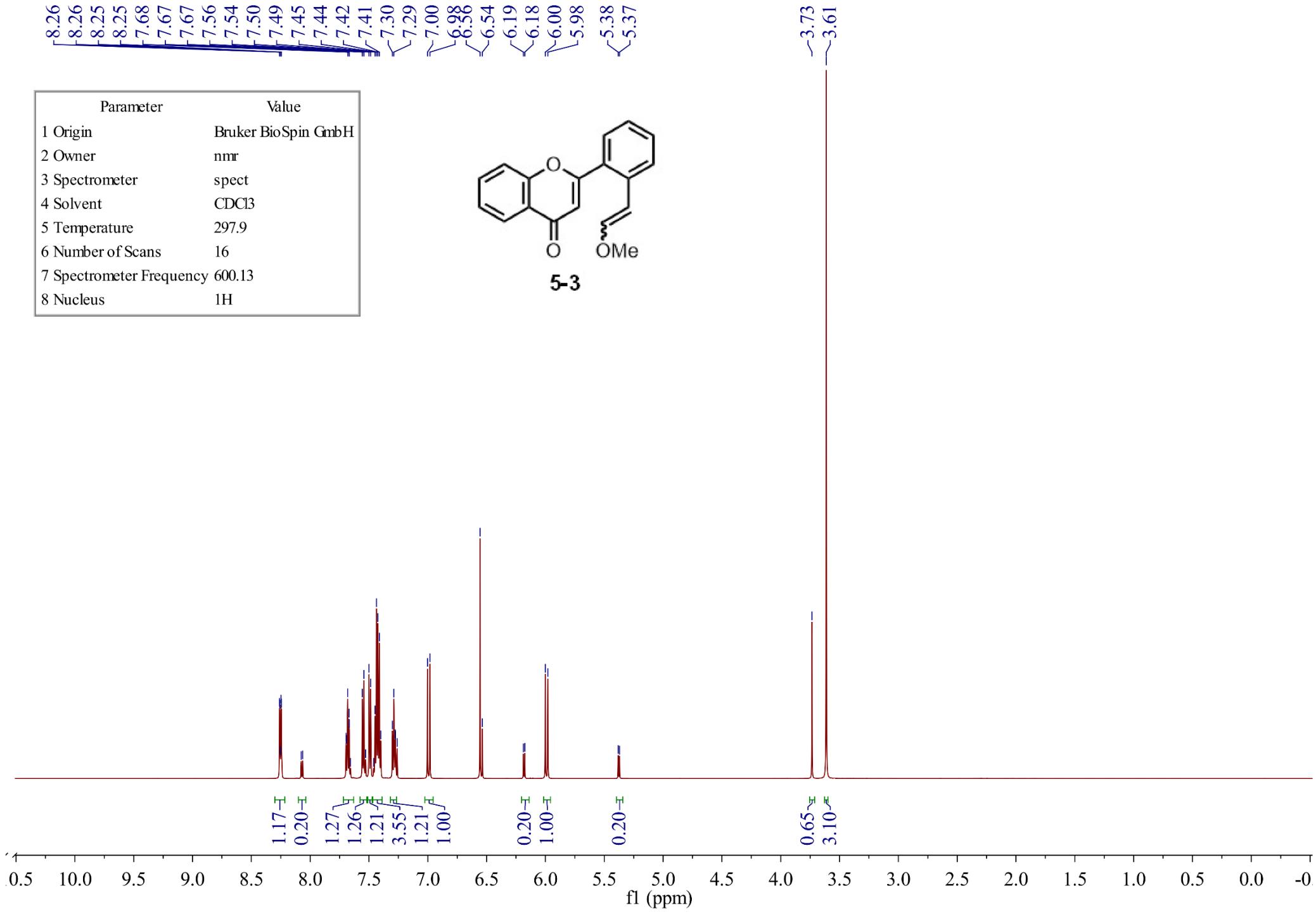
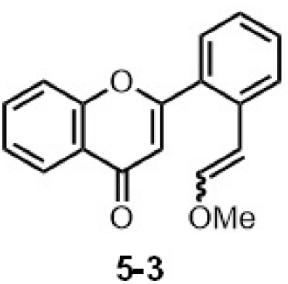
S10

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmrusu
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	299.9
6 Number of Scans	121
7 Spectrometer Frequency	150.90
8 Nucleus	¹³ C



8.26
8.25
8.25
7.68
7.67
7.67
7.56
7.54
7.50
7.49
7.44
7.42
7.41
7.30
7.29
7.00
6.98
6.56
6.54
6.19
6.18
6.00
5.98
5.38
5.37

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	CDCl ₃
5 Temperature	297.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H



<178.27
<178.17

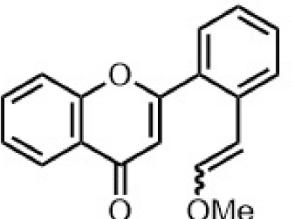
<165.64
<165.41
<156.74
<156.67
-150.67
<149.37

/135.61
/133.89
/130.98
-129.50
-126.21
126.16
125.84
125.32
118.10
103.71
<103.02
<102.37

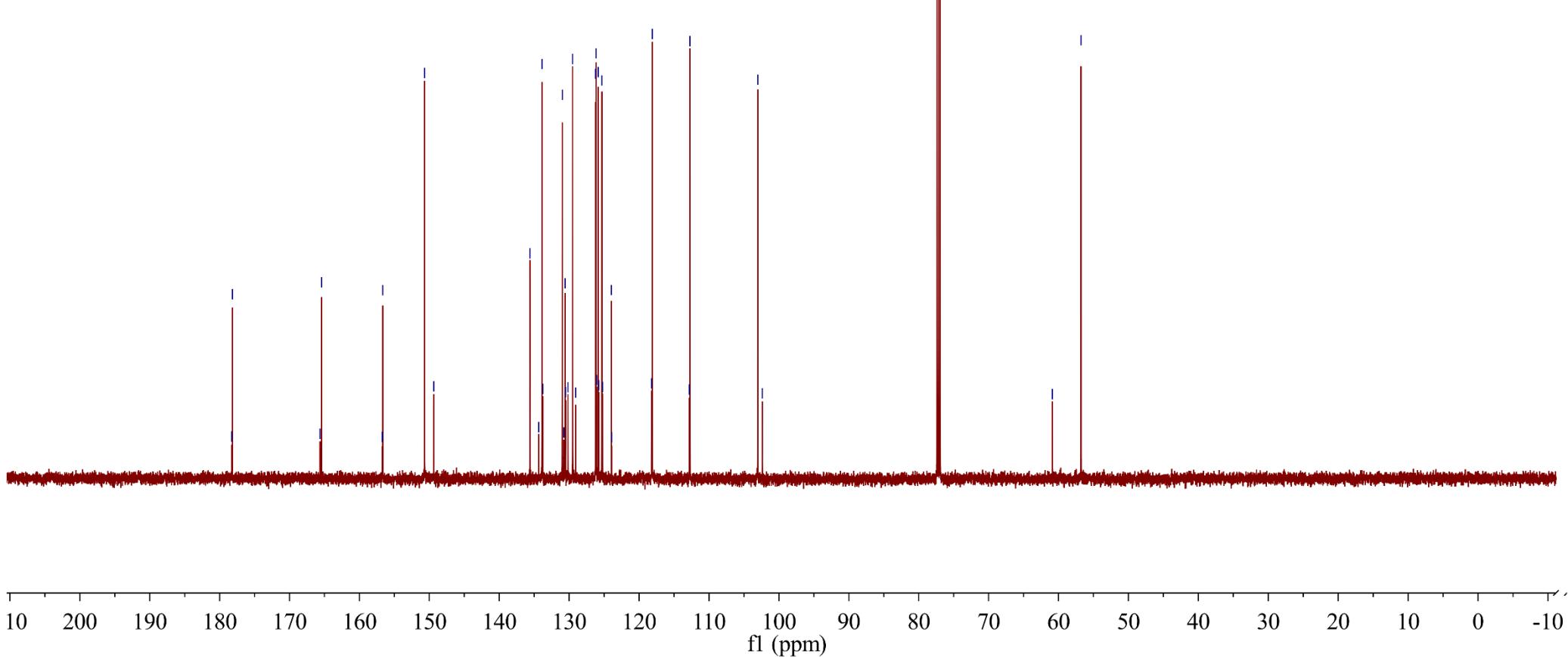
77.37
77.16
76.95

-60.88
-56.78

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	CDCl ₃
5 Temperature	298.0
6 Number of Scans	62
7 Spectrometer Frequency	150.90
8 Nucleus	¹³ C



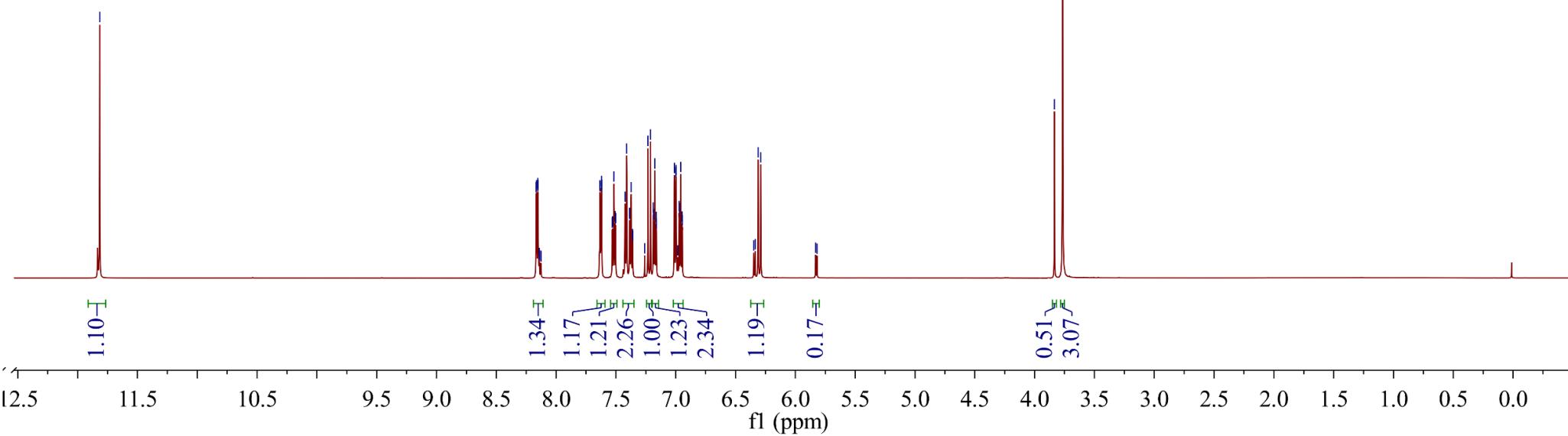
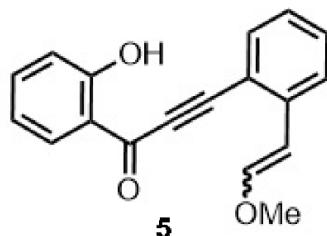
5-3



-11.82



Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	CDCl ₃
5 Temperature	297.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H



182.30
182.17

162.88
162.85

151.64
150.53

140.86
137.07

134.31
132.94

131.48
131.48

125.71
124.00

119.31
118.25

106.59
102.41

95.81
95.60

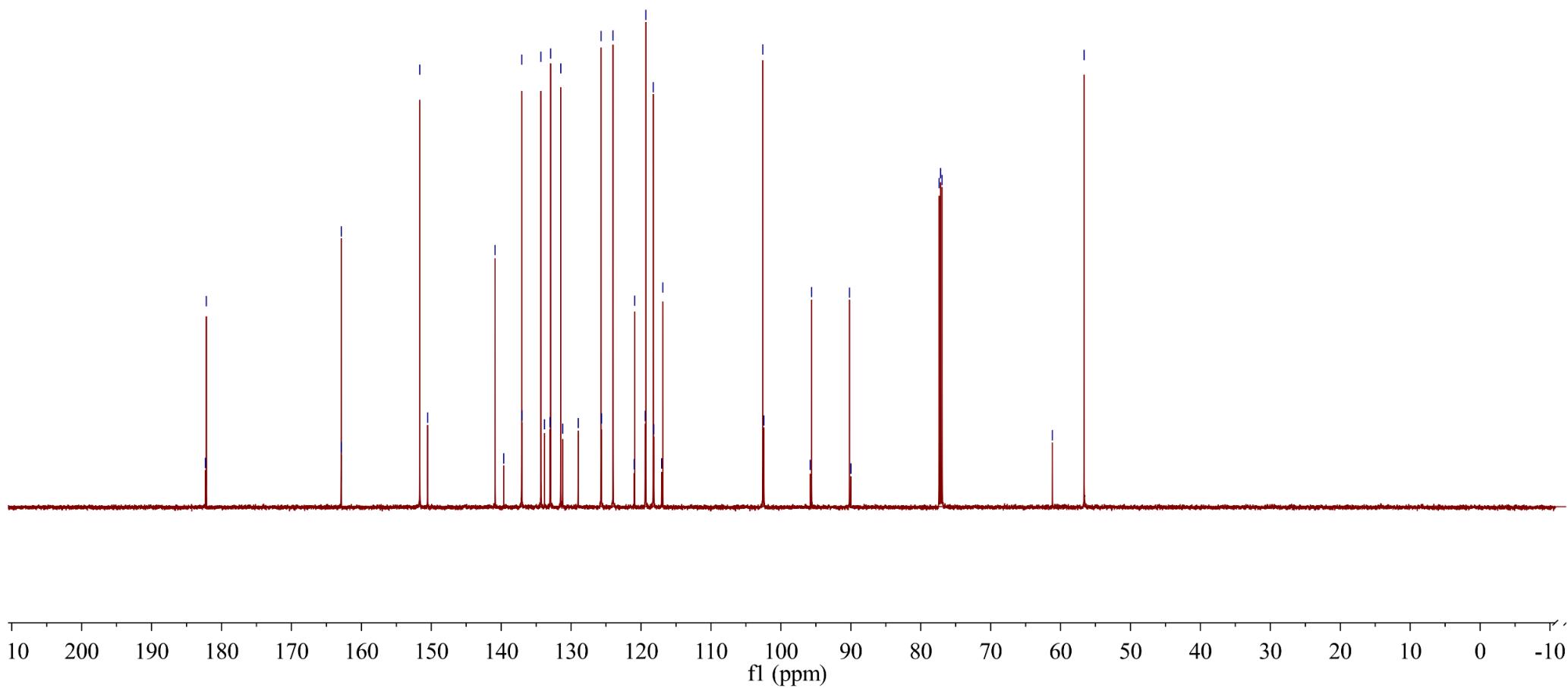
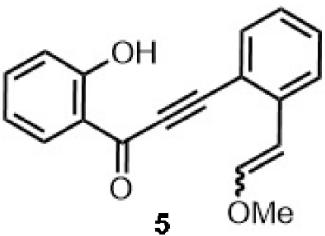
90.19
89.98

77.37
77.16

76.95
-61.16

-56.63
-56.63

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	CDCl ₃
5 Temperature	298.1
6 Number of Scans	195
7 Spectrometer Frequency	150.90
8 Nucleus	¹³ C



11.91
11.89

8.16

8.15

8.15

7.72

7.72

7.60

7.59

7.52

7.52

7.51

7.49

7.49

7.24

7.24

7.21

7.21

7.00

6.99

6.95

6.91

6.90

6.76

6.75

6.74

6.74

6.37

6.36

6.29

6.27

5.83

5.82

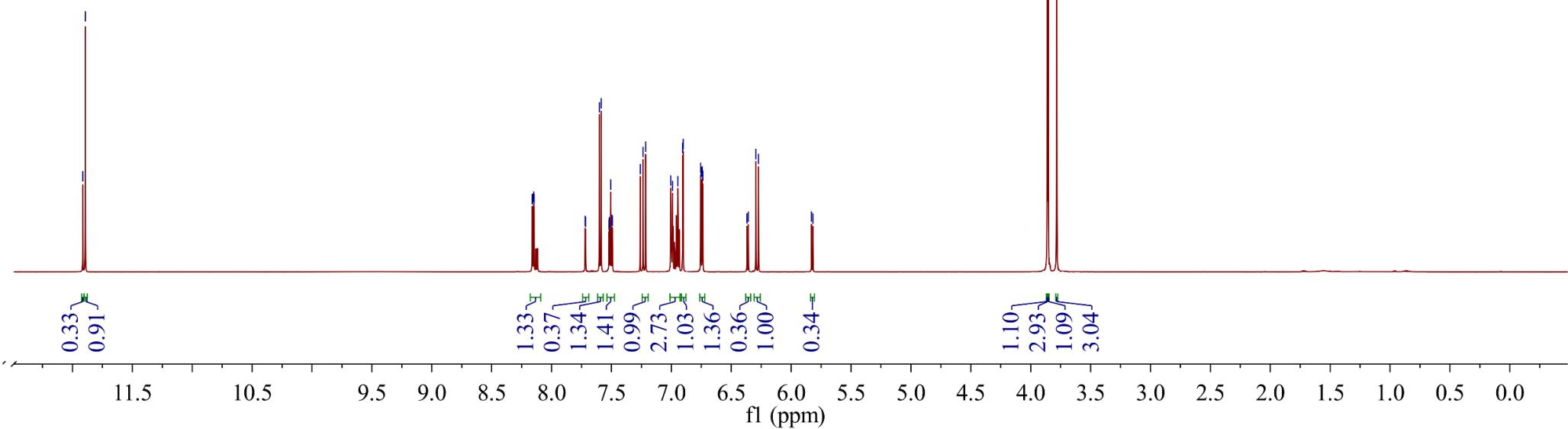
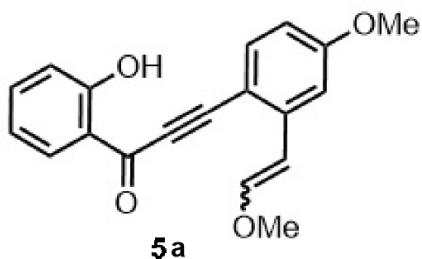
3.86

3.86

3.85

3.78

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	CDCl ₃
5 Temperature	297.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H



182.30
182.17

162.88
162.85

151.64
150.53

140.86
137.07

134.31
132.94

131.48
125.71

124.00
119.31

118.25
106.59

102.41
95.81

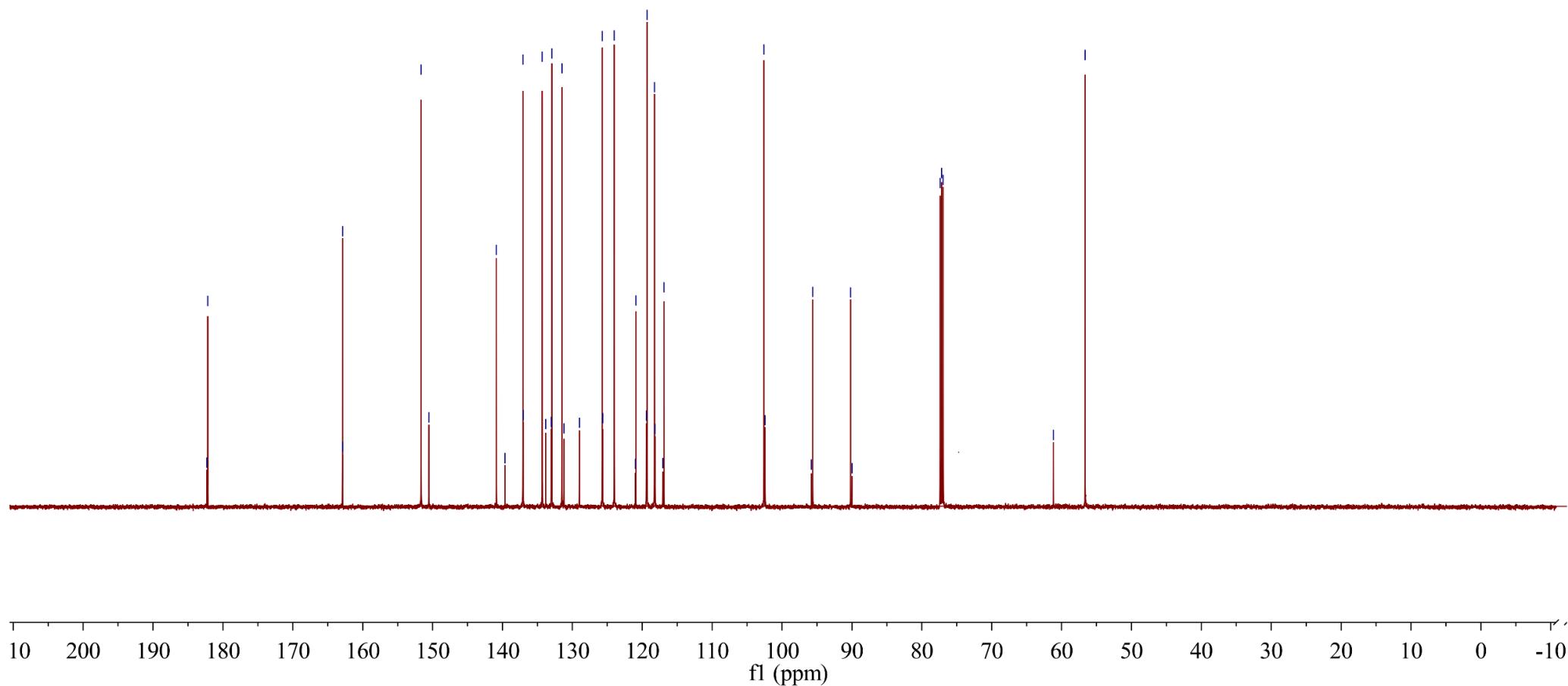
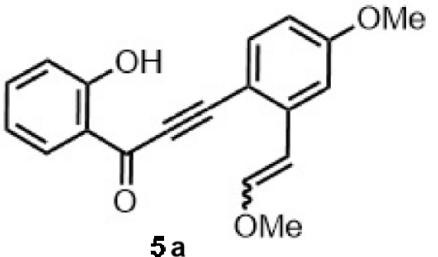
95.60
90.19

89.98
77.37

77.16
76.95

-61.16
-56.63

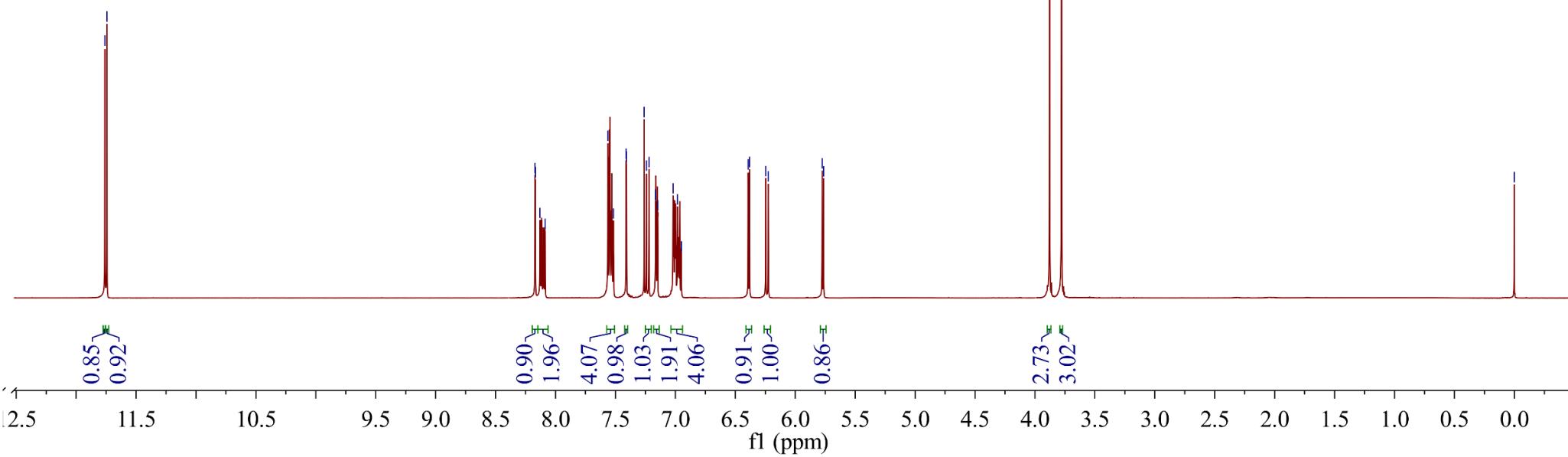
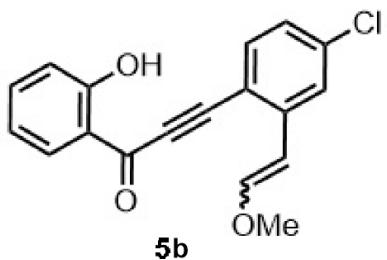
Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	CDCl ₃
5 Temperature	298.1
6 Number of Scans	195
7 Spectrometer Frequency	150.90
8 Nucleus	¹³ C



11.76
11.74

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	CDCl ₃
5 Temperature	297.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H

8.17
8.17
8.13
8.09
7.56
7.41
7.41
7.26
7.22
6.39
6.38
6.28
5.76
3.88
3.78
-0.00



182.19
182.06

163.01
162.98

152.65
151.65

137.29
137.24

135.38
132.93

126.06
126.03

124.10
119.53

119.44
118.42

101.55
101.89

94.55
94.30

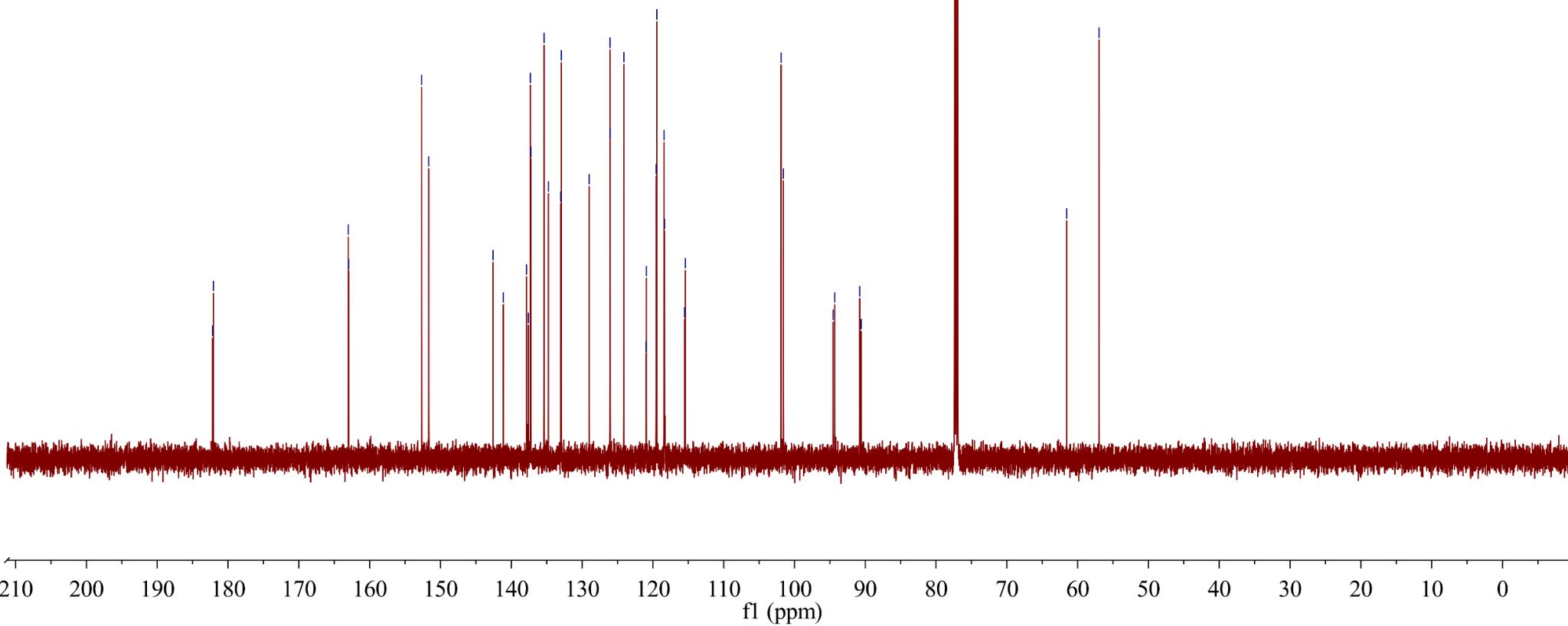
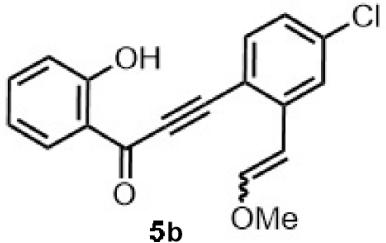
90.79
90.57

77.37
77.16

76.95
61.56

56.97

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	CDCl ₃
5 Temperature	297.9
6 Number of Scans	224
7 Spectrometer Frequency	150.90
8 Nucleus	¹³ C



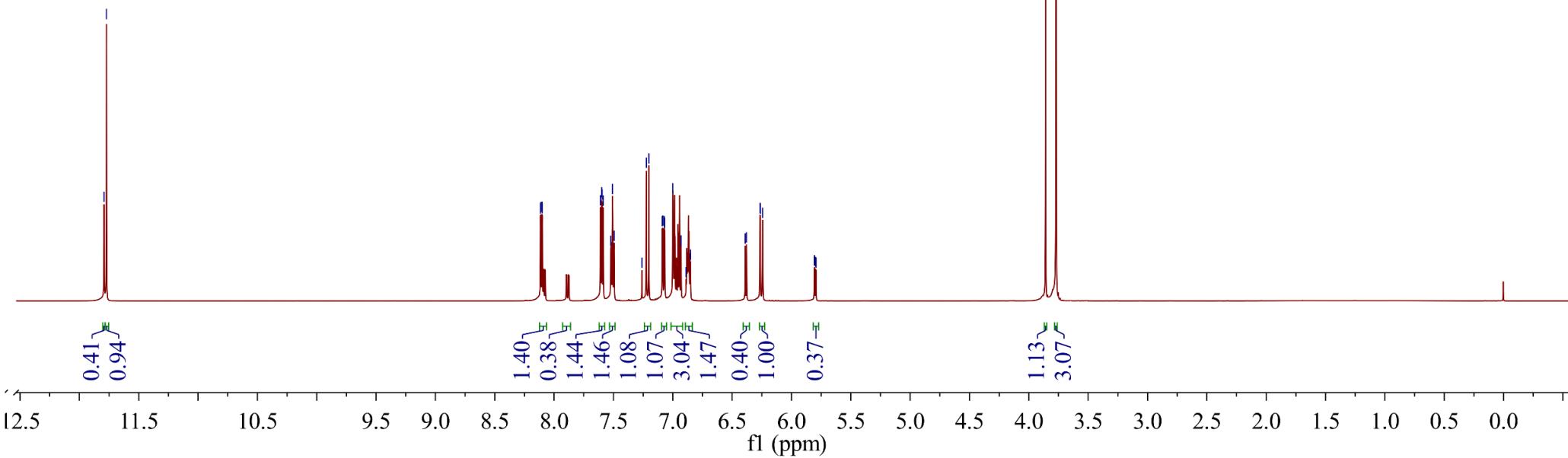
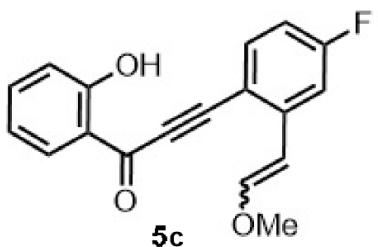
11.79
11.77

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	CDCl ₃
5 Temperature	297.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H

8.12
8.11
8.10
8.10

7.60
7.51
7.22
7.20
6.39
6.38
6.26
6.26
6.24
5.81
5.81
5.80
5.79

3.86
3.77

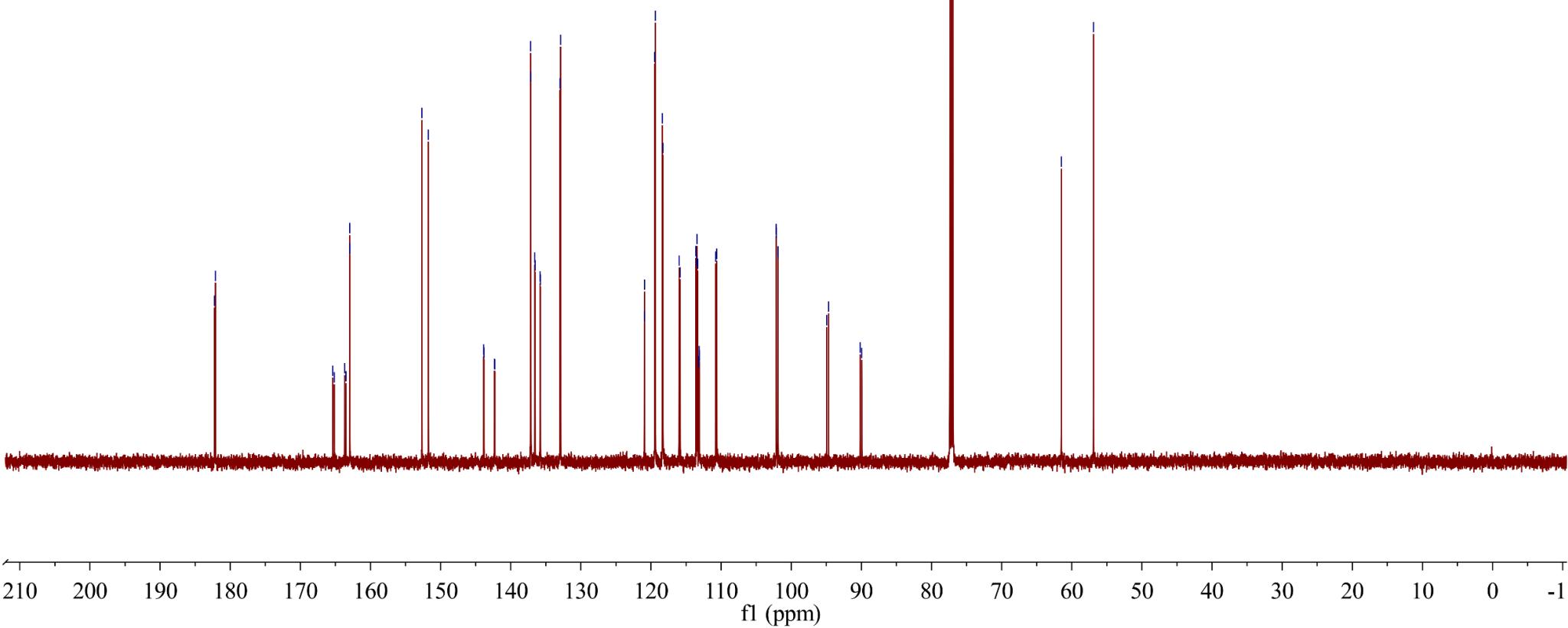
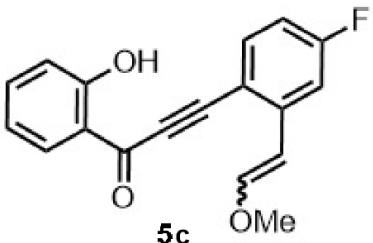


182.25
182.11
165.38
163.70
163.49
162.96
162.93
152.67
151.74

137.17
137.12
136.57
132.97
132.88
119.48
119.37
118.38
118.29
113.44
102.14
102.12
101.89
101.88
94.94
94.67
77.16
76.95

-61.49
-56.90

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	CDCl ₃
5 Temperature	298.0
6 Number of Scans	295
7 Spectrometer Frequency	150.90
8 Nucleus	¹³ C



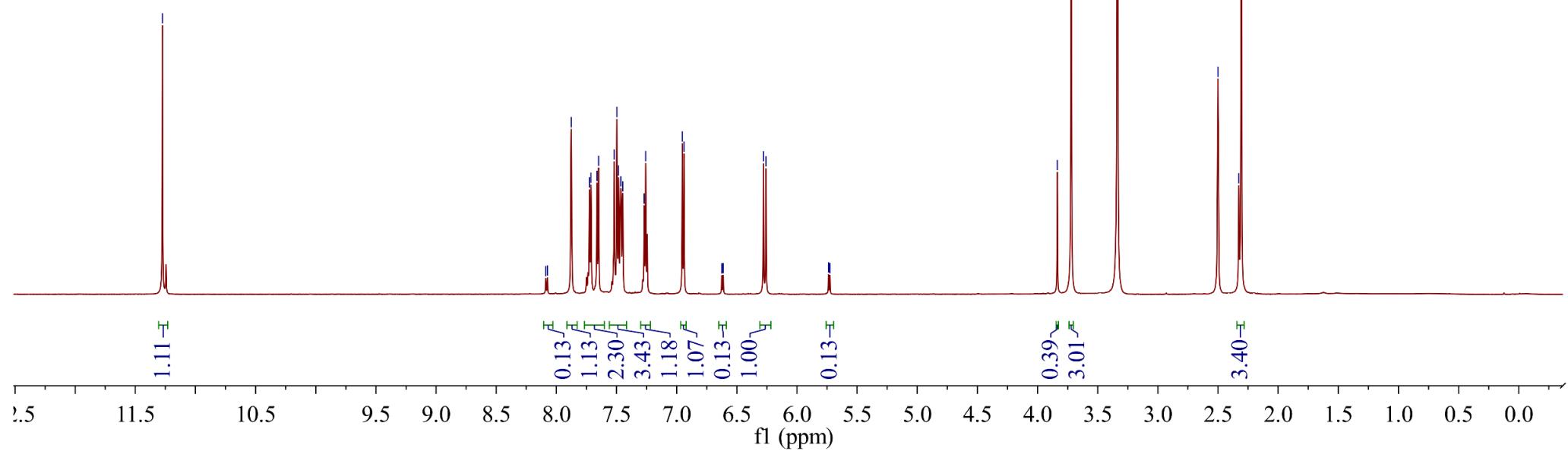
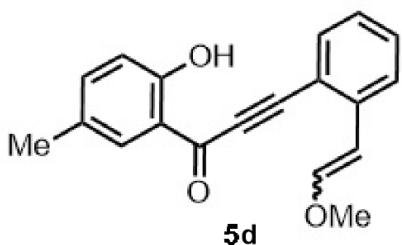
-11.27

8.09
8.07
7.88
7.72
7.71
7.66
7.65
7.52
7.50
7.48
7.46
7.45
7.27
7.26
6.95
6.94
6.62
6.61
6.28
6.26
5.74
5.73

3.84
3.72

2.50
2.33
2.31

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	297.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H



180.46
180.33

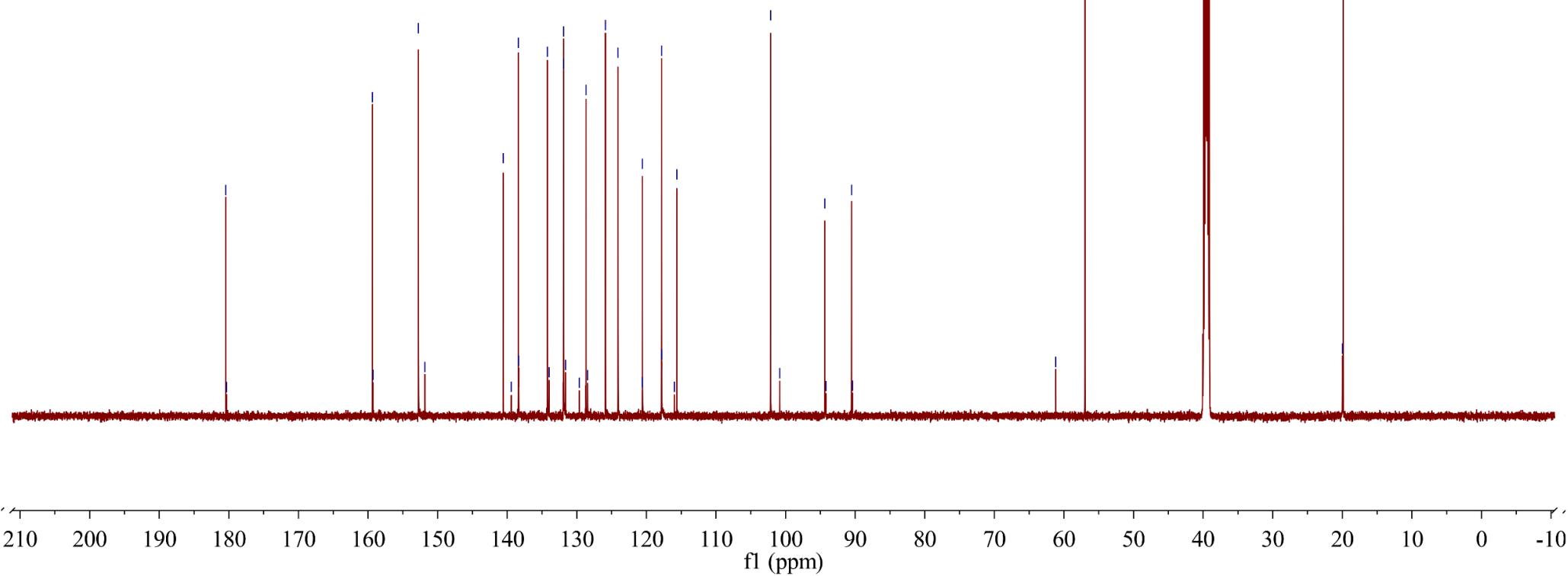
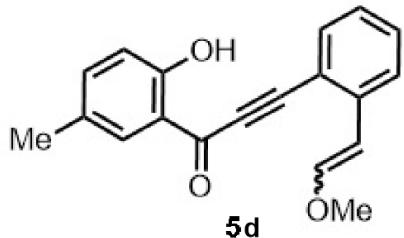
159.38
159.30
152.76
151.83

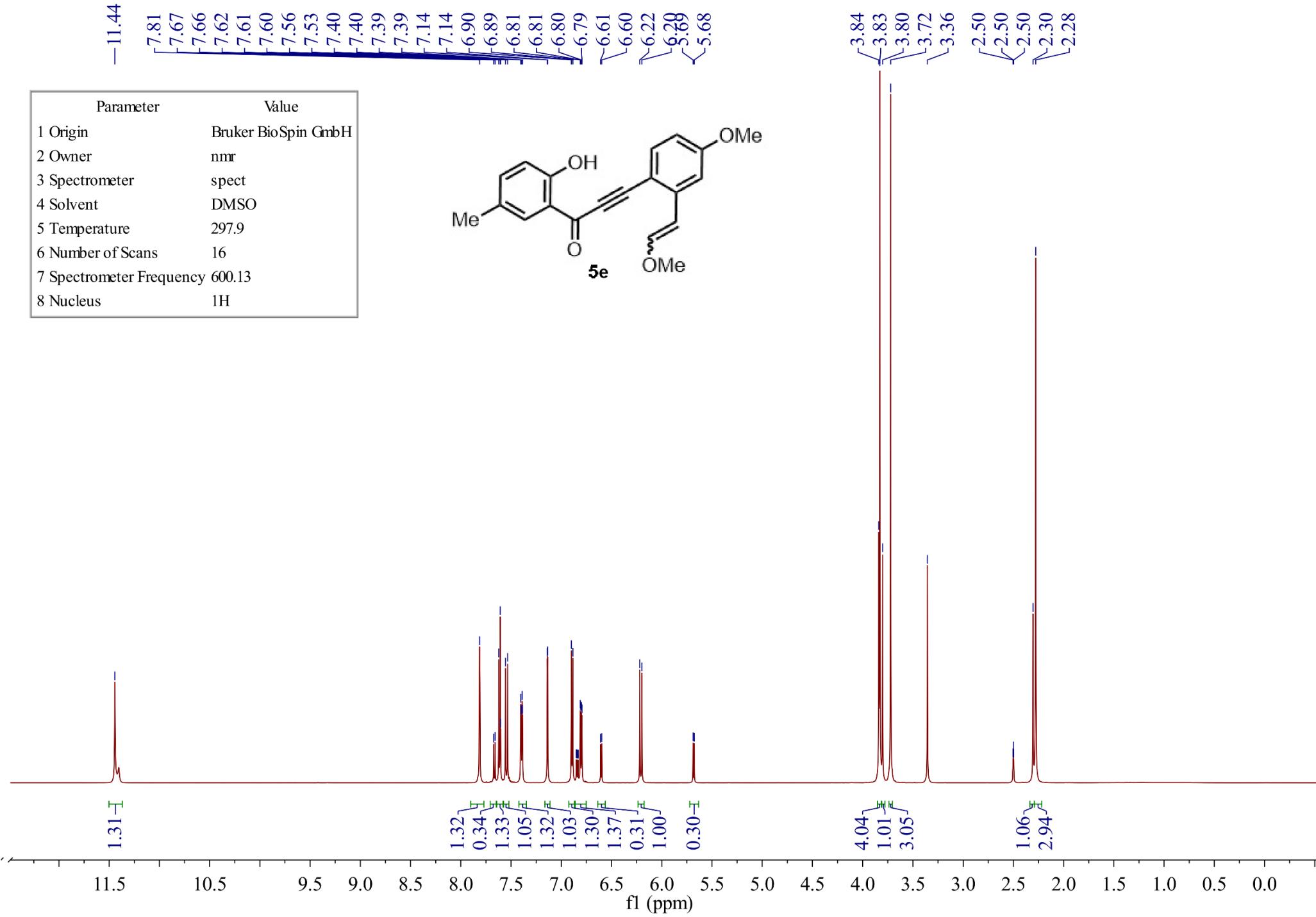
140.58
138.40
134.22
131.91
131.88
128.68
125.88
124.07
120.56
107.82
102.16
100.84
94.36
94.21
90.52
90.38

-61.18
-56.98

20.00
19.87

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmrsu
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	300.1
6 Number of Scans	209
7 Spectrometer Frequency	150.90
8 Nucleus	¹³ C





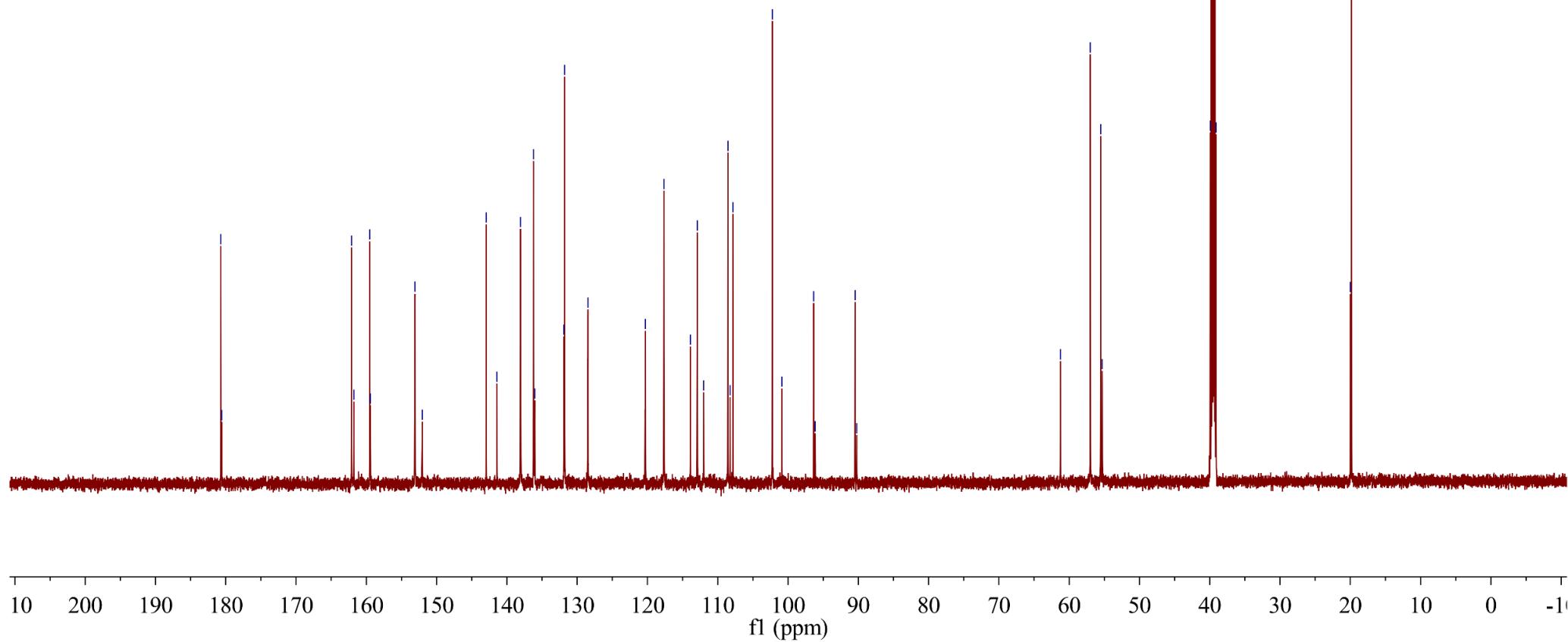
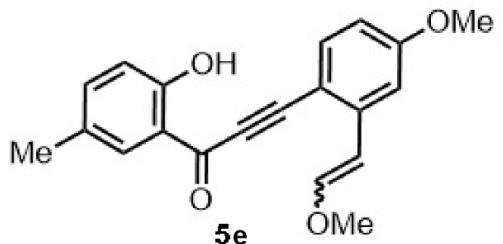
180.70
180.59

162.09
161.77
159.52
159.43
153.07
152.04

-142.94
-138.07
-136.21
-131.90
-131.79
-128.46
-117.66
-113.89
-112.91
-112.00
-108.55
-108.23
-107.85
-102.24
-100.87
-96.36
-96.14
-90.47
-90.23

61.24
57.00
55.51
55.29
39.94
39.80
39.66
39.52
39.38
39.24
39.10
19.99
19.83

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	297.9
6 Number of Scans	472
7 Spectrometer Frequency	150.90
8 Nucleus	¹³ C



-11.59

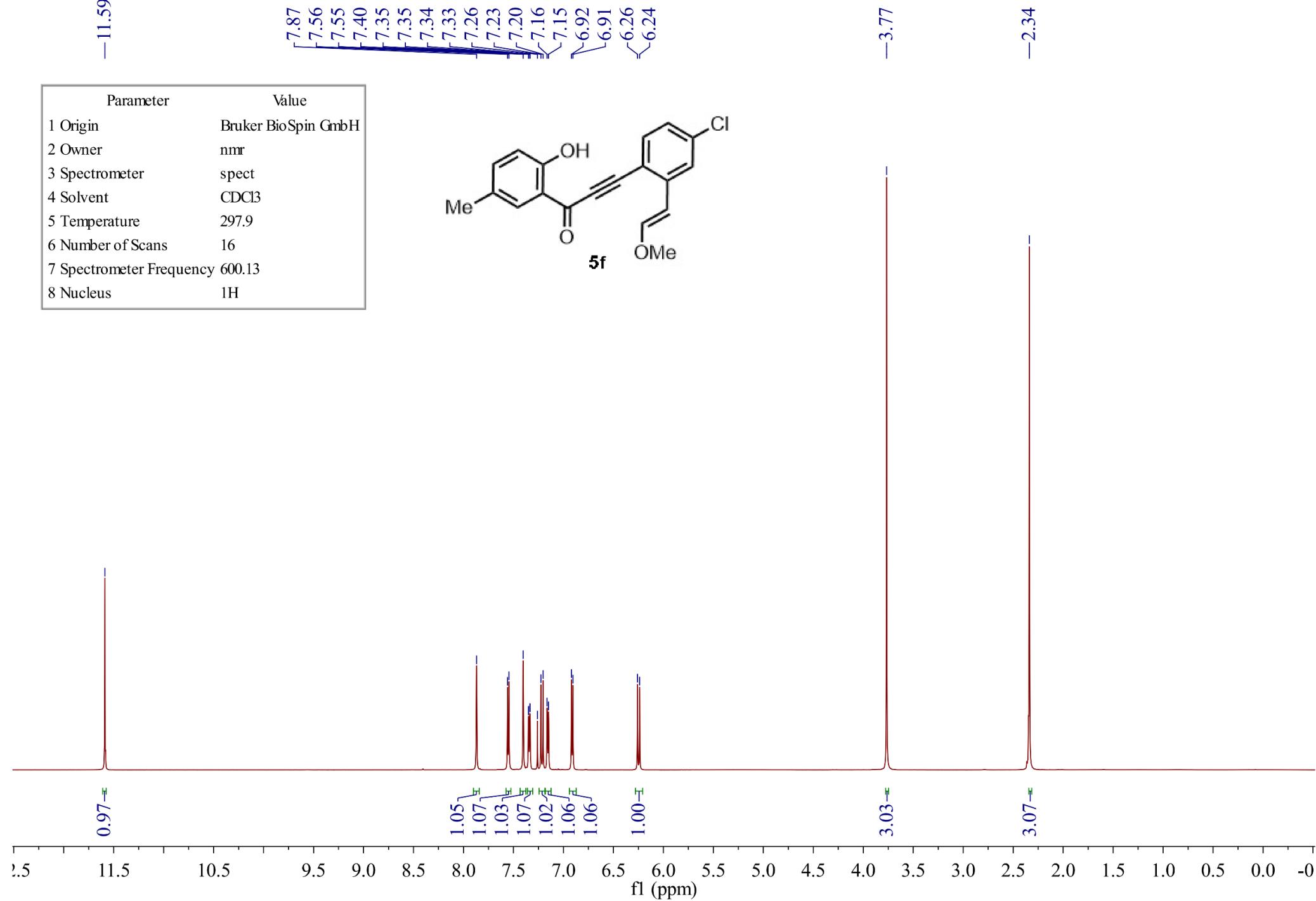
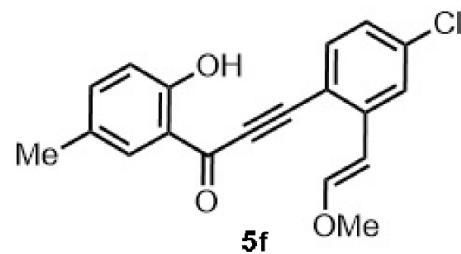
7.87

7.56
7.55
7.40
7.35
7.35
7.34
7.33
7.26
7.23
7.20
7.16
7.15
6.92
6.91
6.26
6.24

-3.77

-2.34

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	CDCl ₃
5 Temperature	297.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H



—181.98

—161.03

—152.65

142.48

138.47

137.73

135.32

132.48

—128.71

—126.05

124.19

120.55

118.17

115.52

—102.17

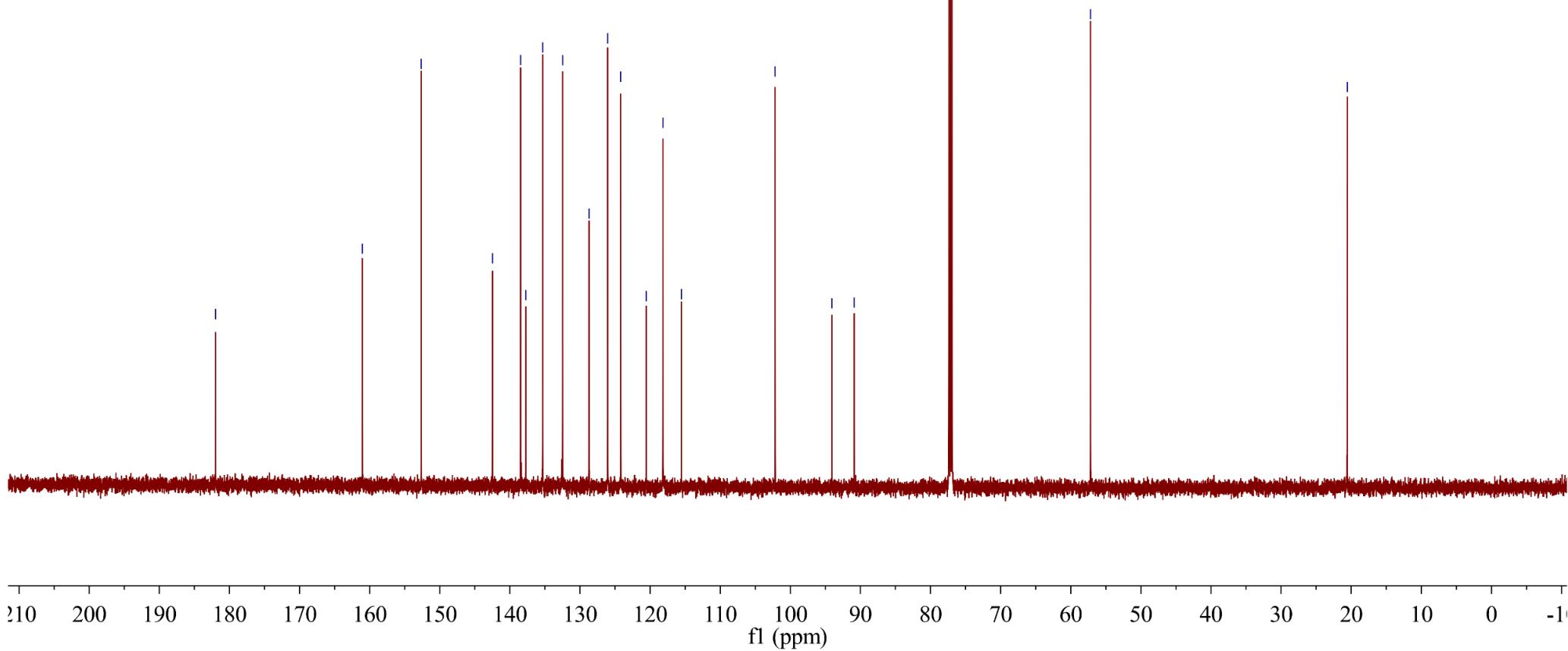
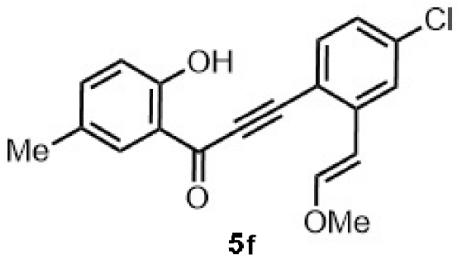
—94.07

—90.89

—57.18

—20.57

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	CDCl ₃
5 Temperature	297.9
6 Number of Scans	252
7 Spectrometer Frequency	150.90
8 Nucleus	¹³ C



$\text{C}^{11.26}$

$\text{C}^{11.22}$

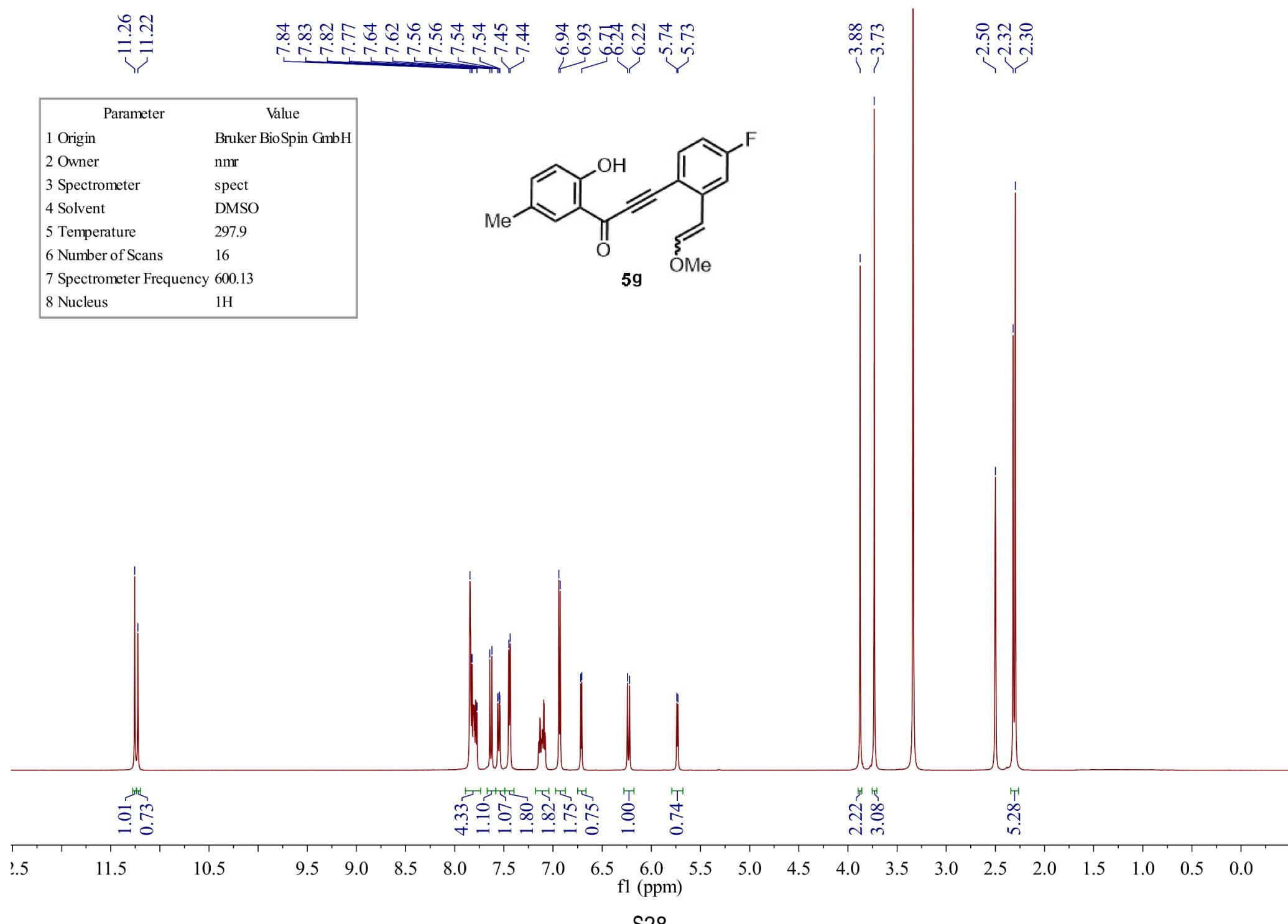
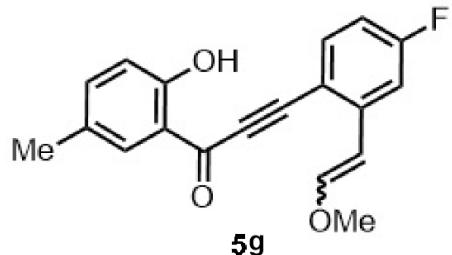
7.84
7.83
7.82
7.77
7.64
7.62
7.56
7.56
7.54
7.54
7.45
7.44

6.94
6.93
6.71
6.24
6.22
5.74
5.73

~3.88
~3.73

2.50
2.32
2.30

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	297.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H



180.40
180.24

164.86
163.20

162.76
159.42

159.34
154.21

153.27
153.27

138.35
138.31

131.93
131.85

128.67
128.63

120.45
117.77

117.74
113.49

103.59
100.17

93.53
93.28

90.48
90.31

-61.51
-57.18

39.94
39.80

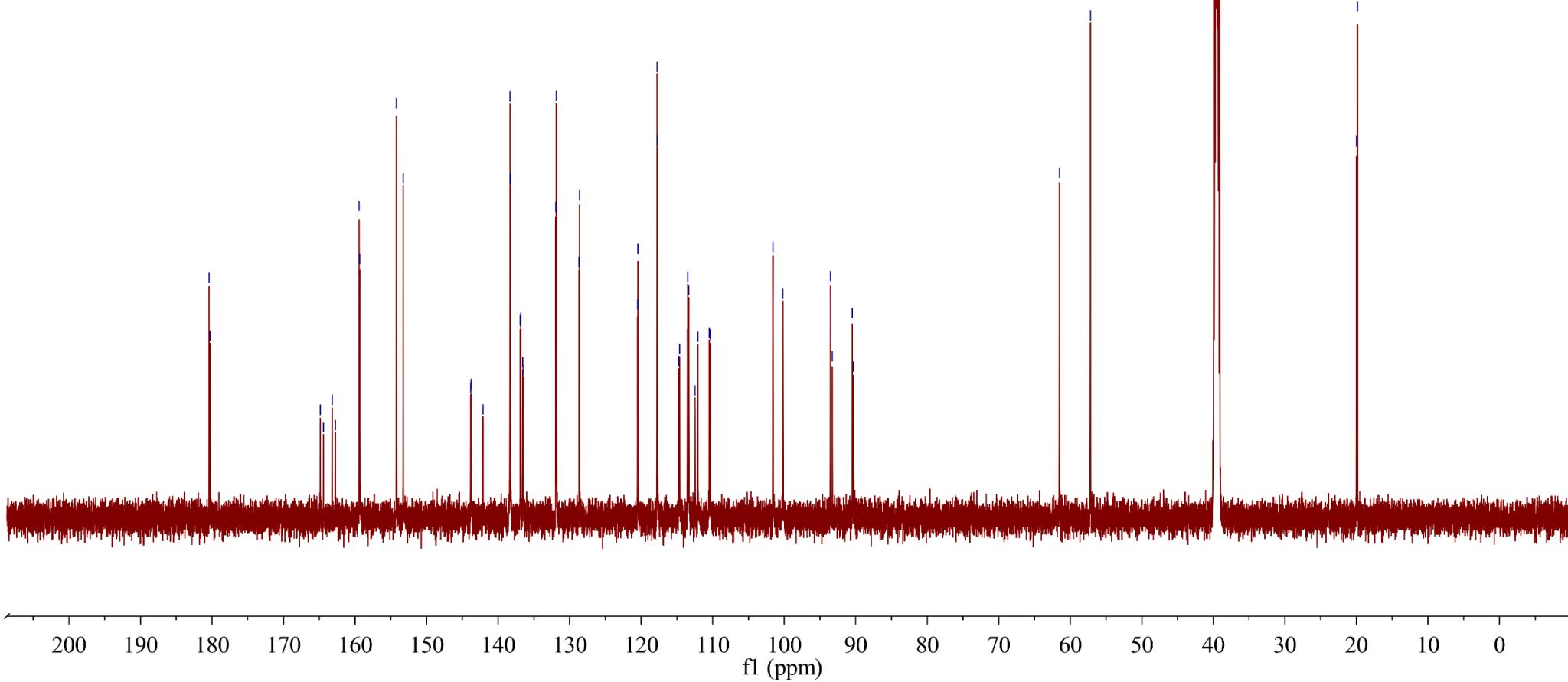
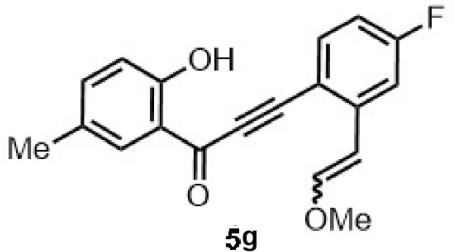
39.66
39.52

39.38
39.24

39.10
19.98

19.85
19.85

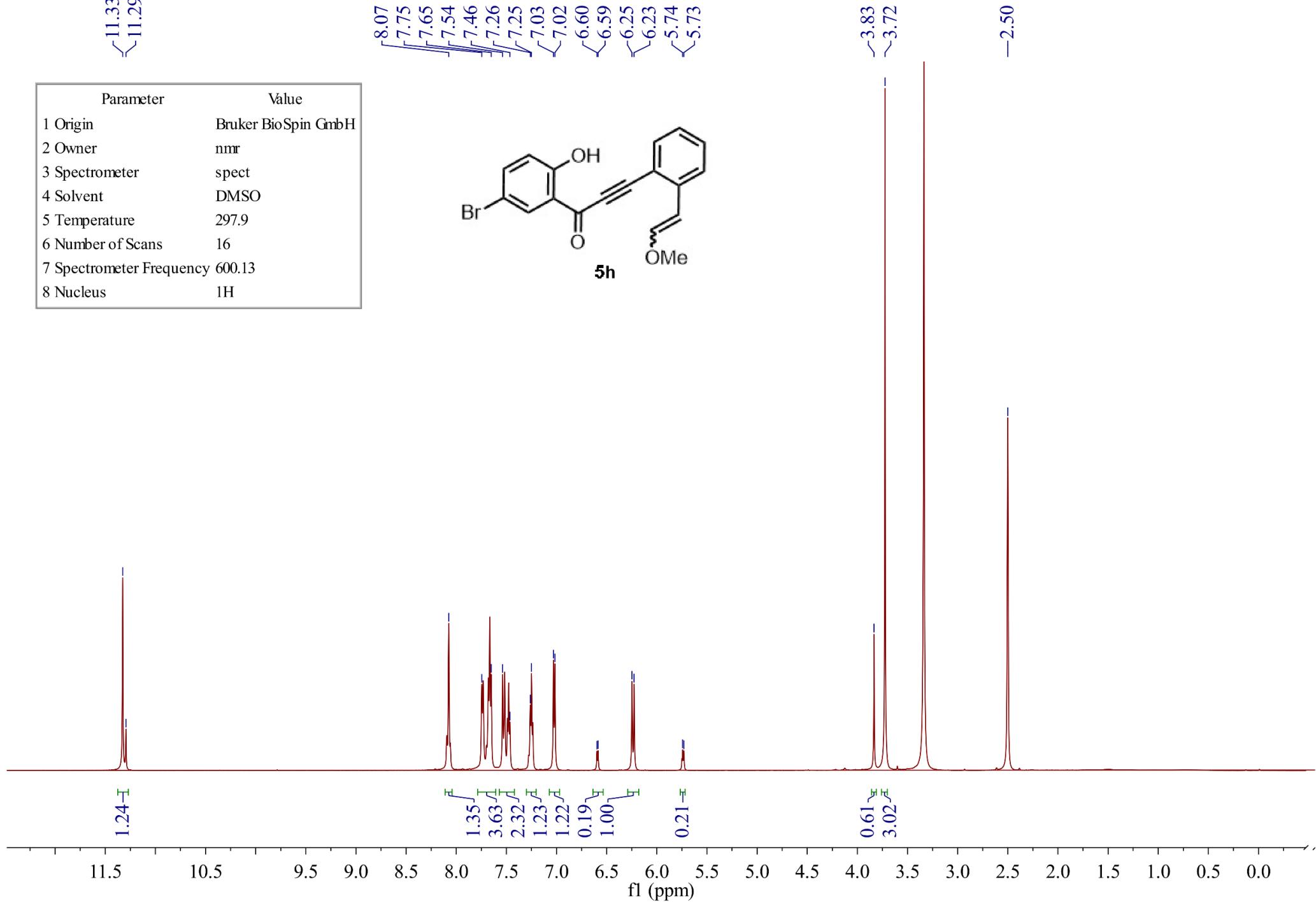
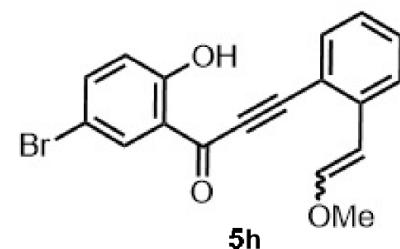
Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	297.9
6 Number of Scans	327
7 Spectrometer Frequency	150.90
8 Nucleus	¹³ C



<11.33
<11.29

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	297.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H

8.07
7.75
7.65
7.54
7.46
7.26
7.25
7.03
7.02
6.60
6.59
6.25
6.23
5.74
5.73



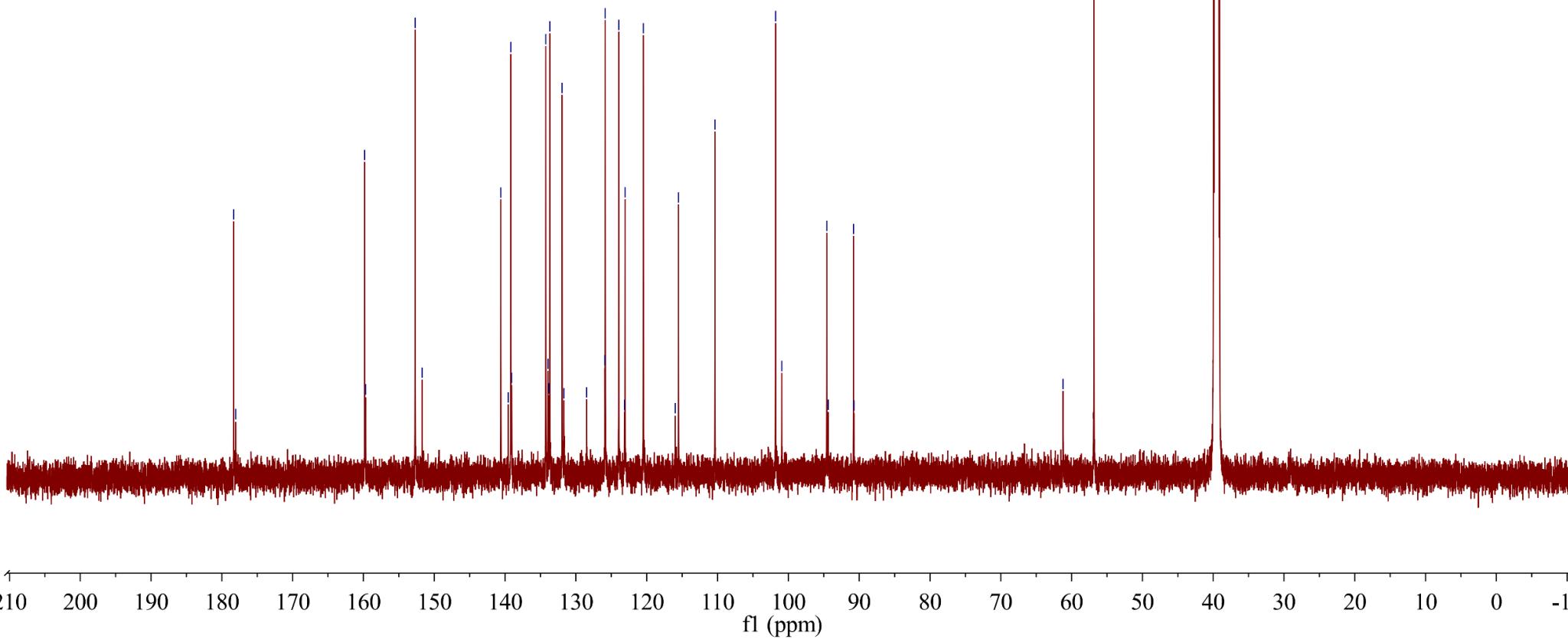
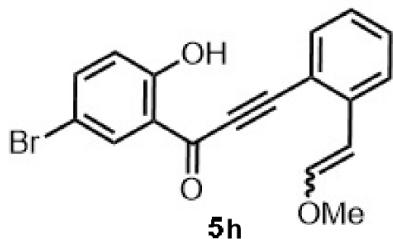
178.33
178.04

159.83
159.70
152.70
151.72

140.61
139.19
134.25
133.69
131.95
125.86
123.94
123.07
120.48
115.51
109.80
100.93
94.57
94.38
90.80
90.74

-61.20
-56.84
39.94
39.80
39.66
39.52
39.38
39.24
39.10

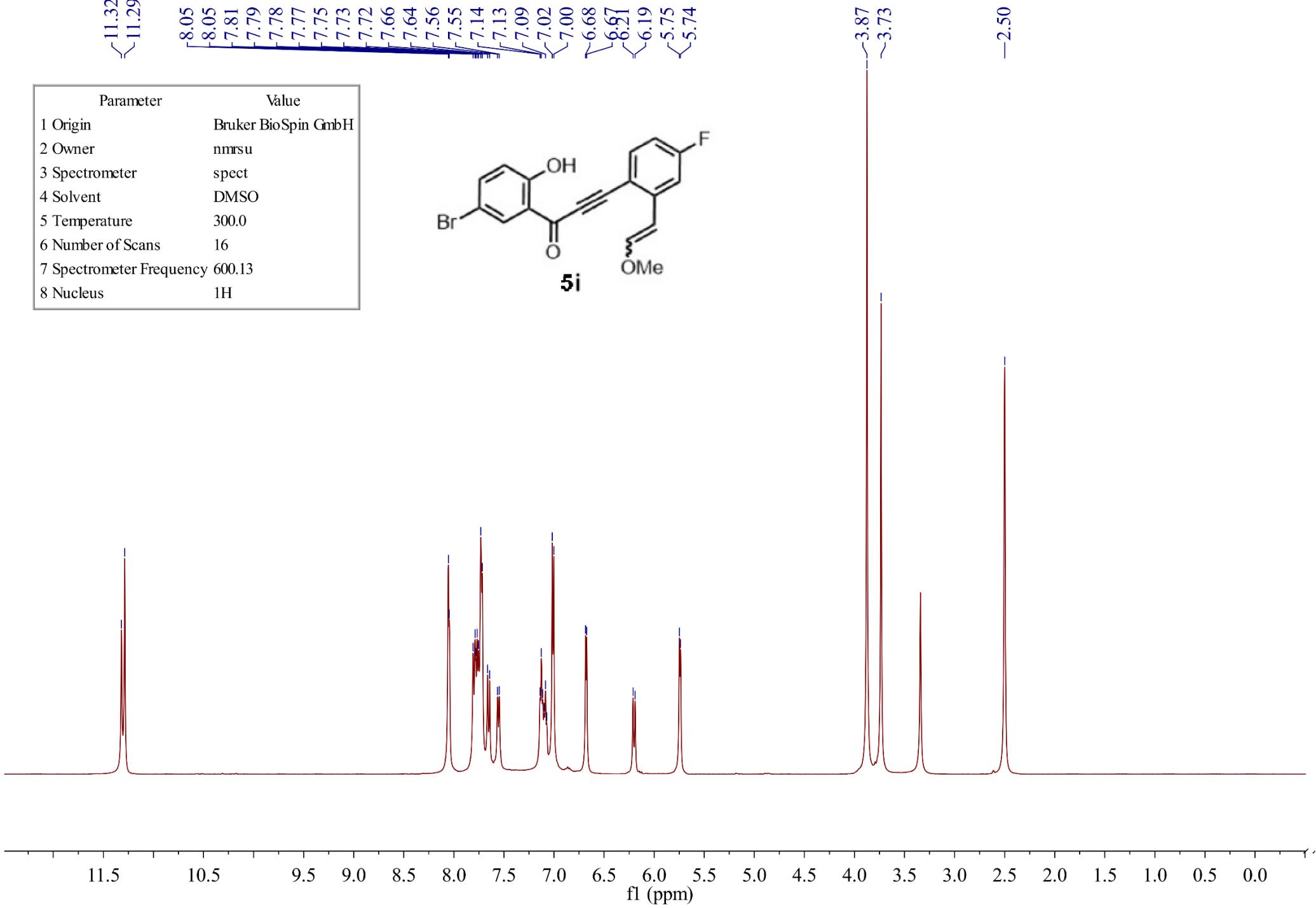
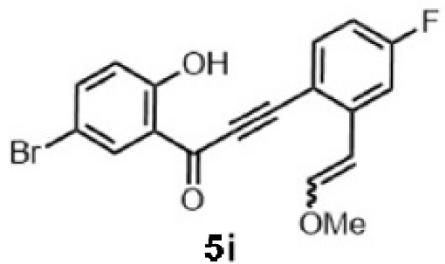
Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	297.9
6 Number of Scans	245
7 Spectrometer Frequency	150.90
8 Nucleus	¹³ C

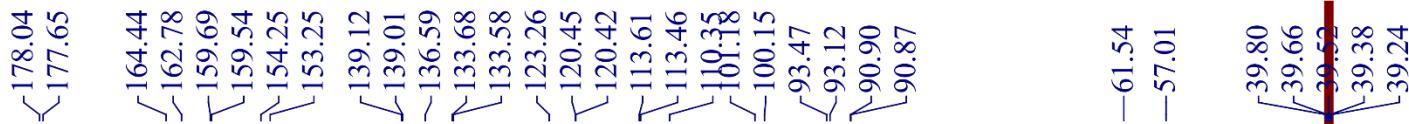


11.32
11.29

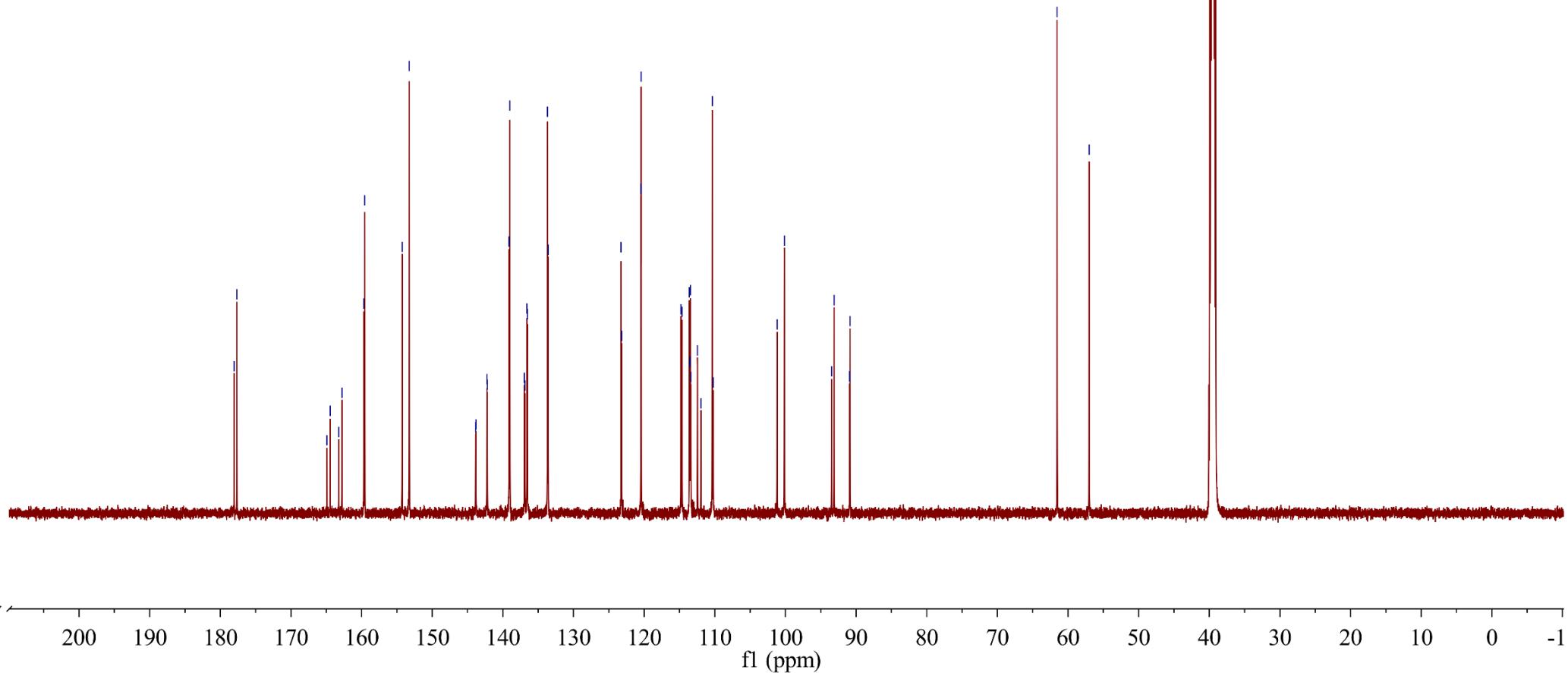
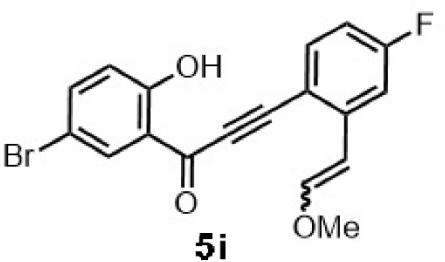
8.05
8.05
7.81
7.79
7.78
7.77
7.75
7.73
7.72
7.66
7.64
7.56
7.55
7.14
7.13
7.09
7.02
7.00
6.68
6.67
6.19
5.75
5.74

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmrsu
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	300.0
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H



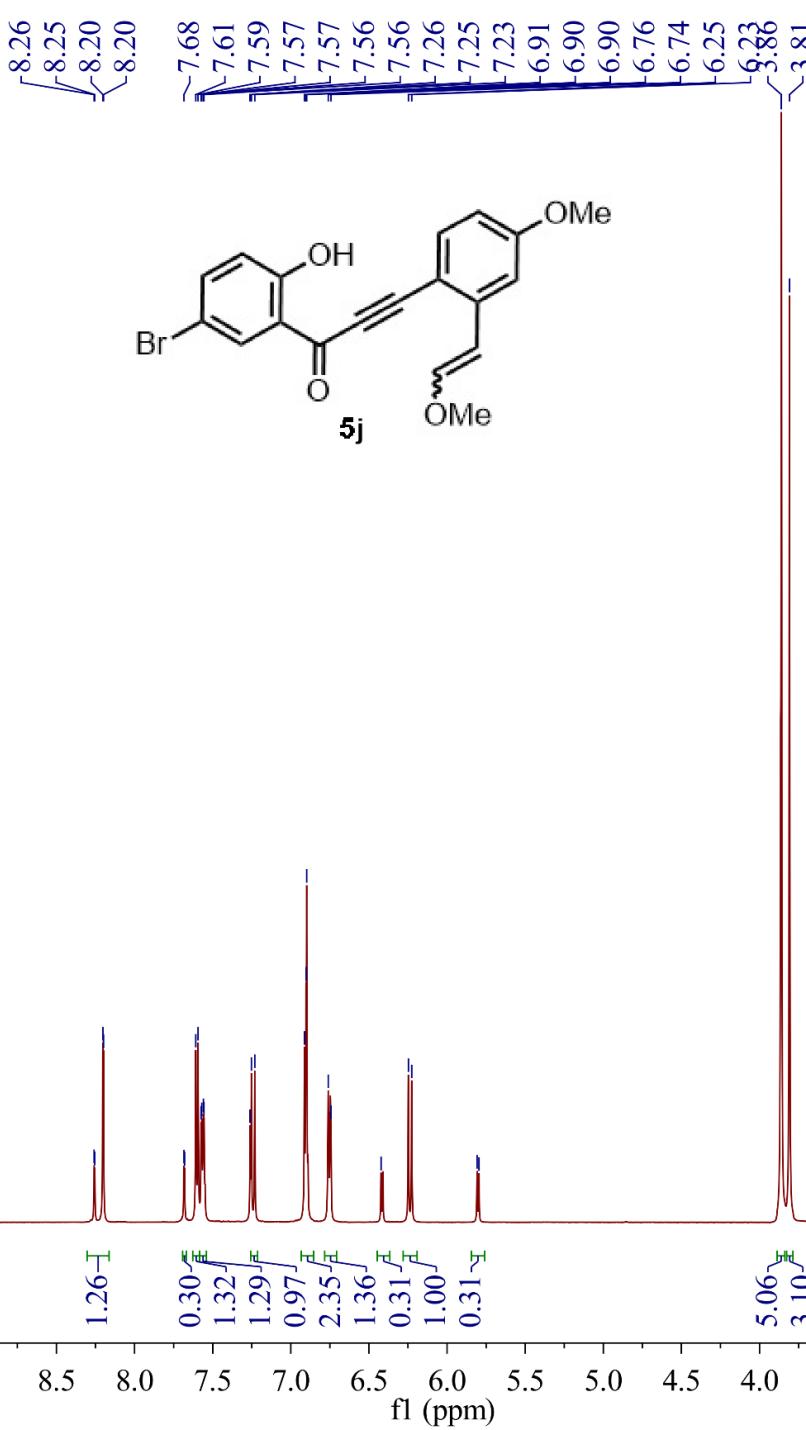


Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmrsu
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	300.1
6 Number of Scans	302
7 Spectrometer Frequency	150.90
8 Nucleus	13C



11.87
11.83

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	CDCl ₃
5 Temperature	297.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H



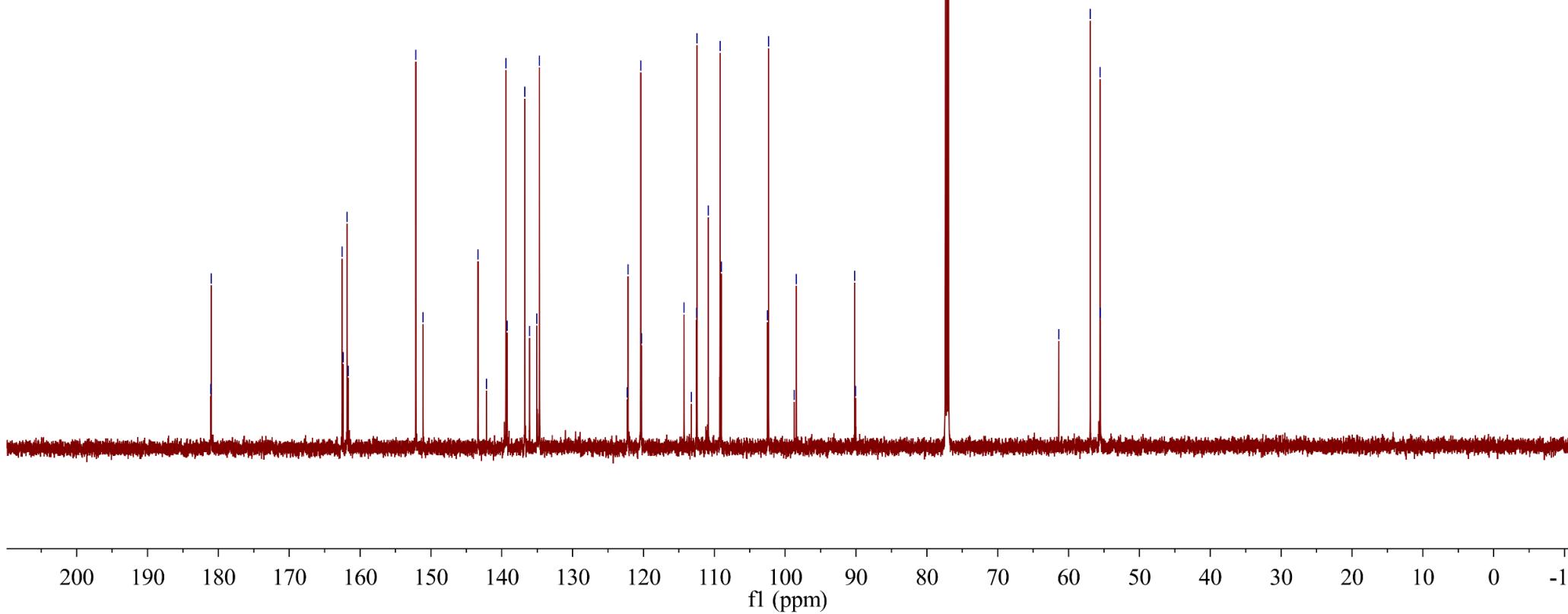
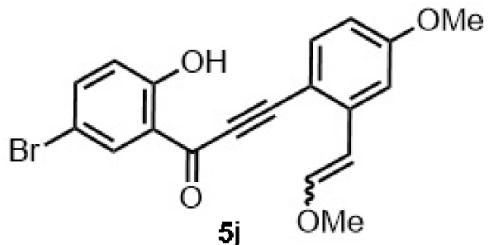
<181.07
<181.01

162.53
162.39
161.82
161.67
152.13
<151.10

-143.35
-139.42
~136.74
135.05
134.67
~122.18
-120.38
~114.27
~112.44
~110.84
~109.19
109.01
102.35
98.42
<90.07

77.37
77.16
76.95

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	CDCl ₃
5 Temperature	298.1
6 Number of Scans	368
7 Spectrometer Frequency	150.90
8 Nucleus	¹³ C

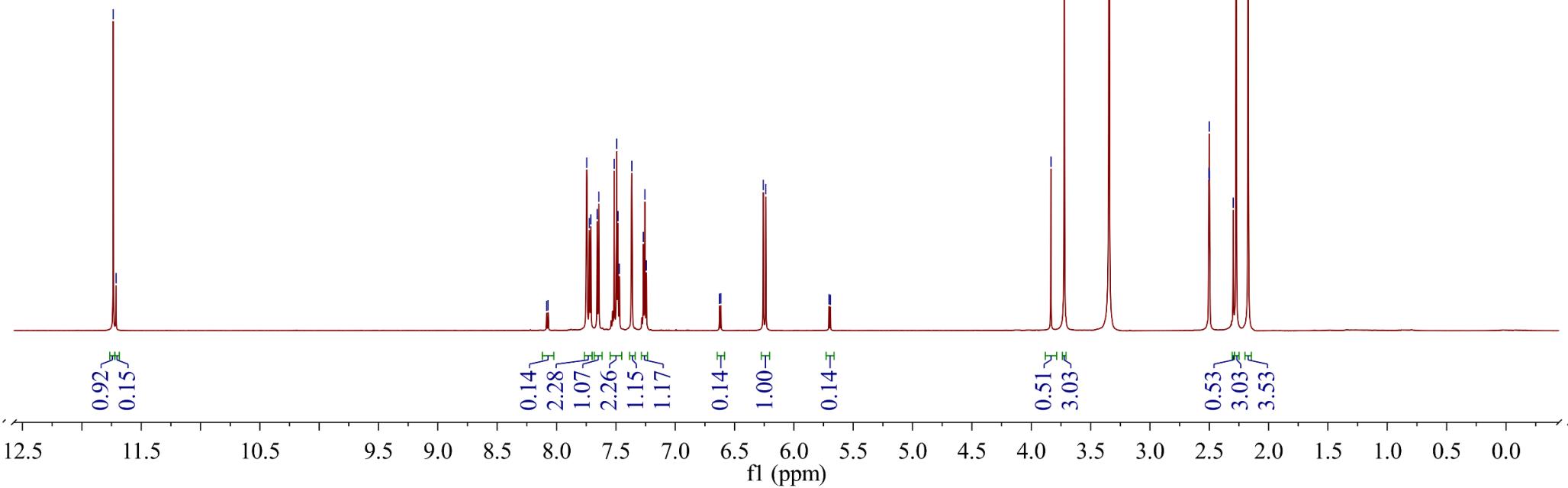
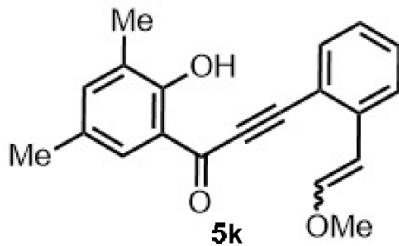


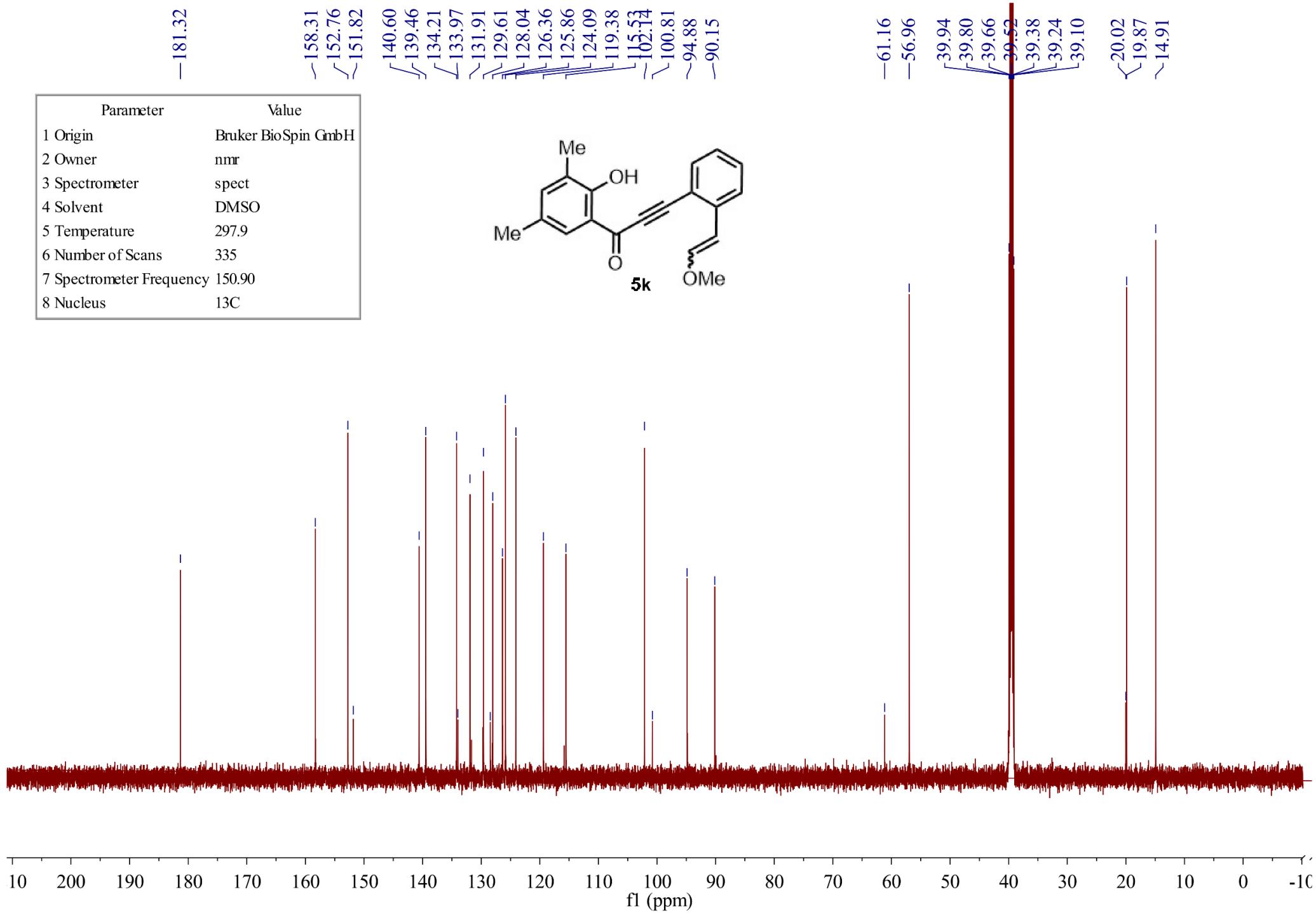
11.74
11.71

8.08
8.07
7.75
7.72
7.71
7.66
7.64
7.51
7.49
7.48
7.47
7.37
7.27
7.26
7.24
6.63
6.62
6.26
6.24
5.70
5.69

3.83
3.72
2.50
2.50
2.50
2.30
2.27
2.17

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	297.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H

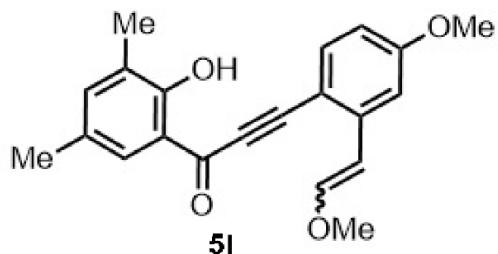




-12.02

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	CDCl ₃
5 Temperature	297.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H

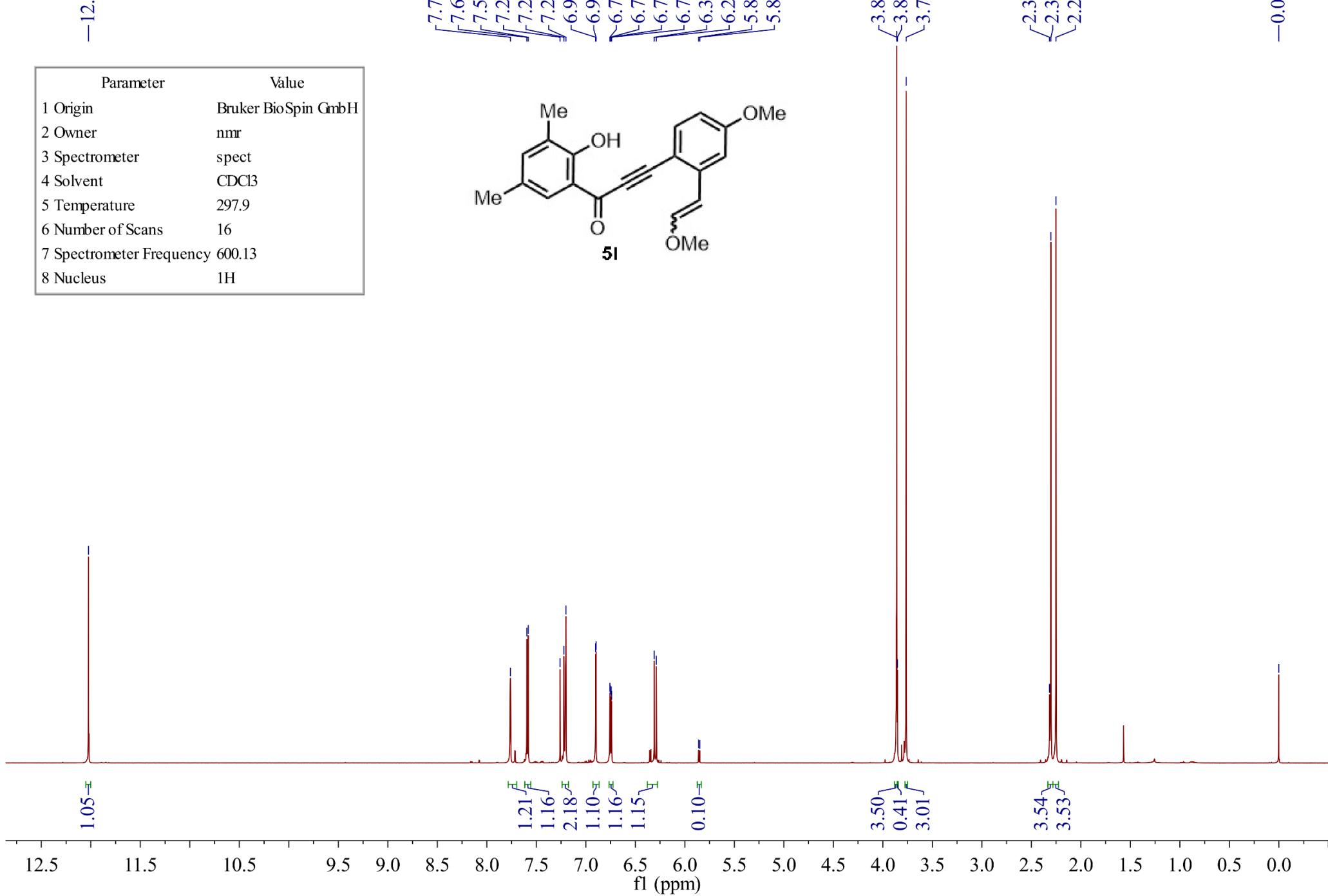
7.76
7.60
7.58
7.26
7.22
7.20
6.90
6.90
6.76
6.75
6.74
6.31
6.29
5.86
5.85



3.86
3.85
3.76

2.32
2.30
2.25

-0.00



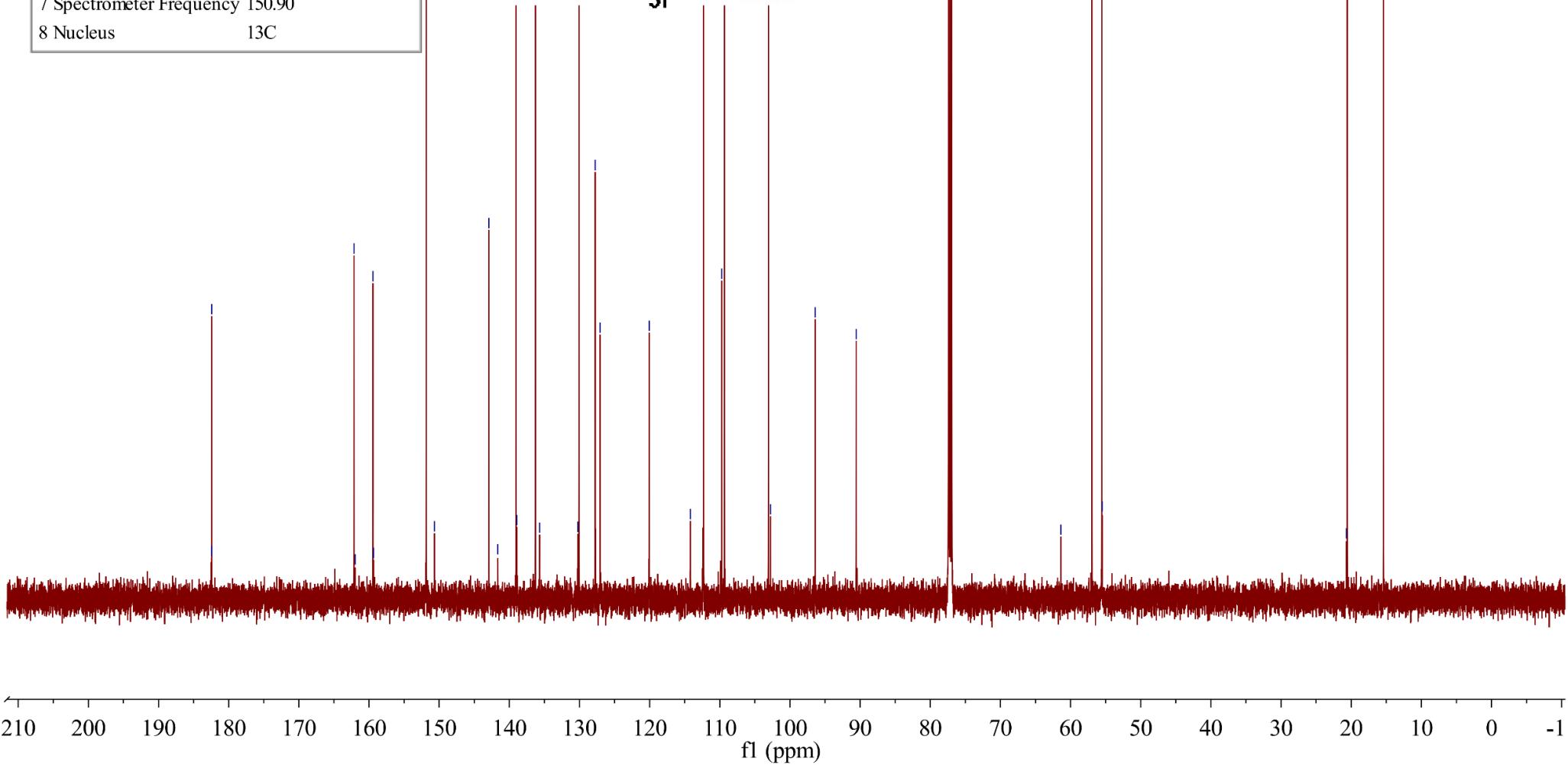
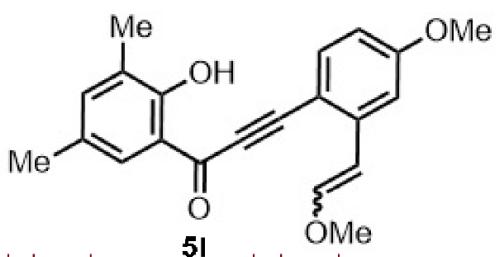
182.43
182.42

162.13
161.96
159.43
159.35
151.85
150.68

142.92
139.04
138.93
136.28
130.07
127.76
127.05
120.06
114.18
112.31
109.73
109.33
103.06
102.75
96.41
99.37
77.16
76.95

20.68
20.57
15.41

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	CDCl ₃
5 Temperature	298.1
6 Number of Scans	339
7 Spectrometer Frequency	150.90
8 Nucleus	¹³ C



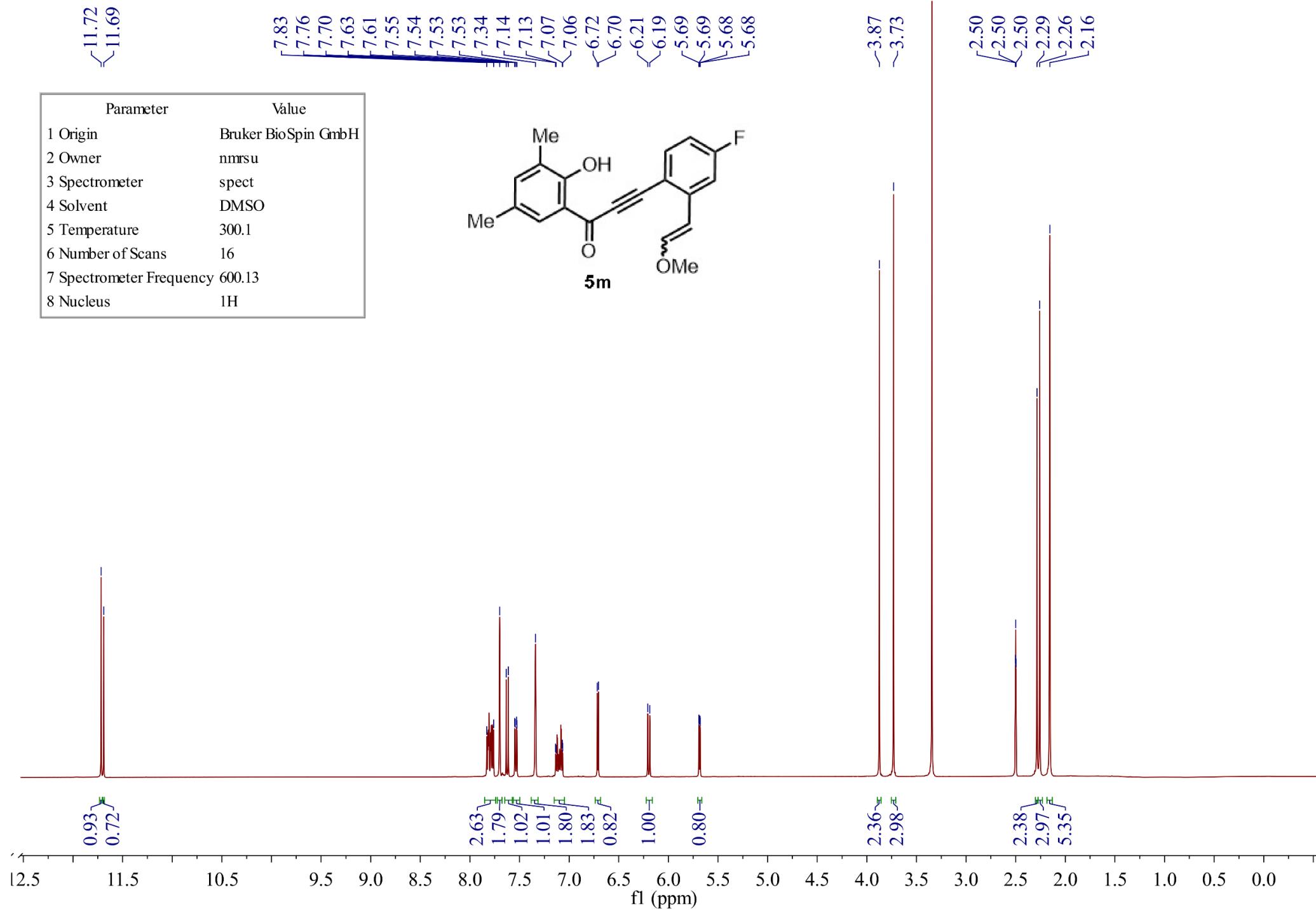
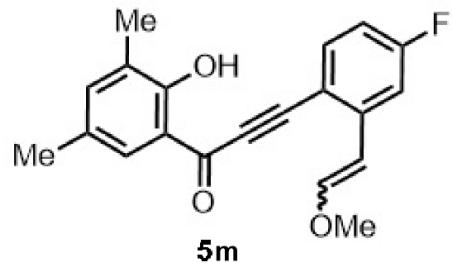
<11.72
<11.69

7.83
7.76
7.70
7.63
7.61
7.55
7.54
7.53
7.53
7.34
7.14
7.13
7.07
7.06
6.72
6.70
6.21
6.19
5.69
5.69
5.68

-3.87
-3.73

2.50
2.50
2.50
2.29
2.26
2.16

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmrsu
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	300.1
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H

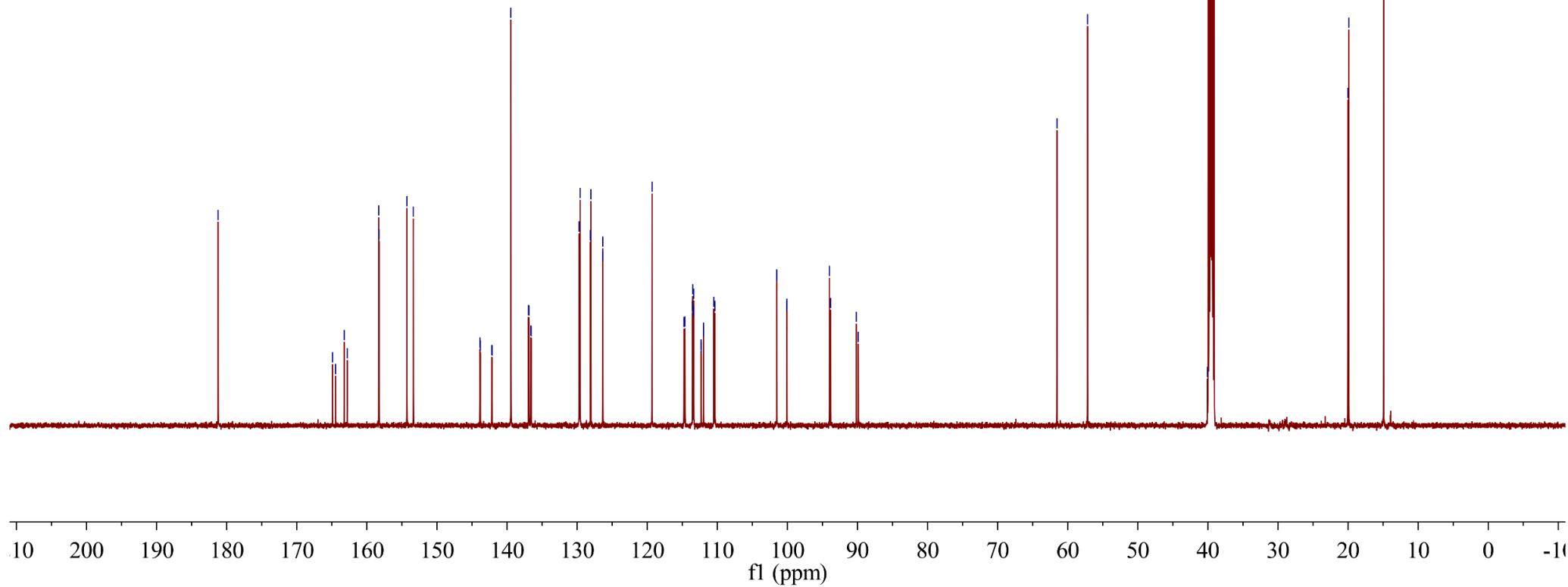
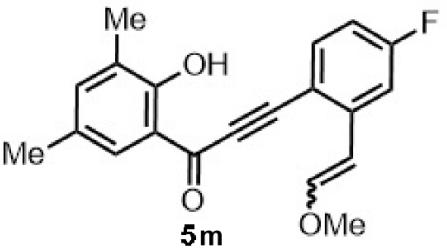


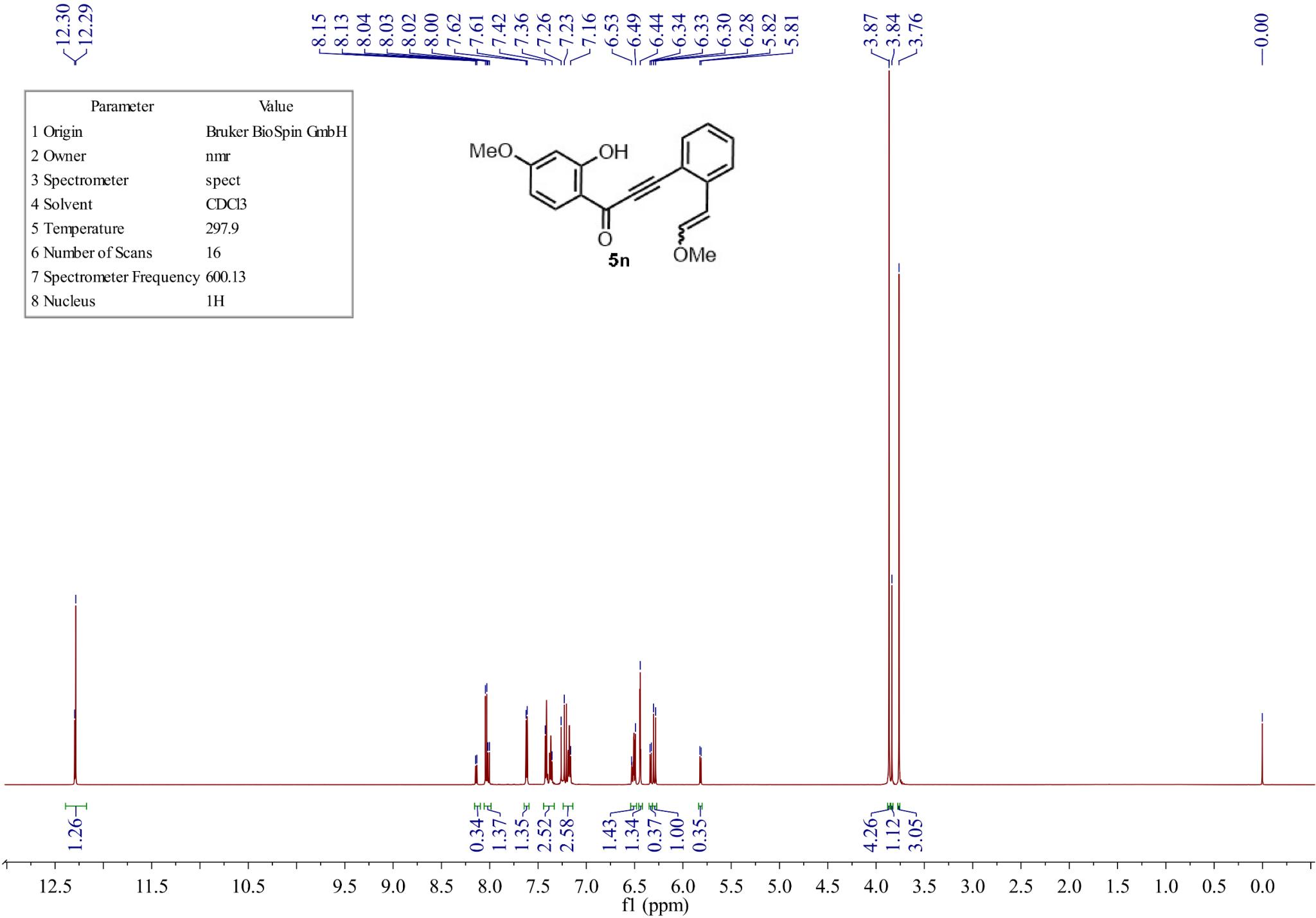
-181.22
164.89
164.46
163.23
162.80
158.31
158.26
154.28
153.36

139.44
129.71
129.58
128.10
128.03
126.35
126.31
119.31
113.51
113.36
109.49
101.52
101.50
100.08
100.06
93.98
93.82
90.15
89.88

-61.53
-57.16
-40.06
39.94
39.80
39.66
-39.52
39.38
39.24
39.10
20.02
19.87
-14.92

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmrsu
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	300.1
6 Number of Scans	172
7 Spectrometer Frequency	150.90
8 Nucleus	¹³ C



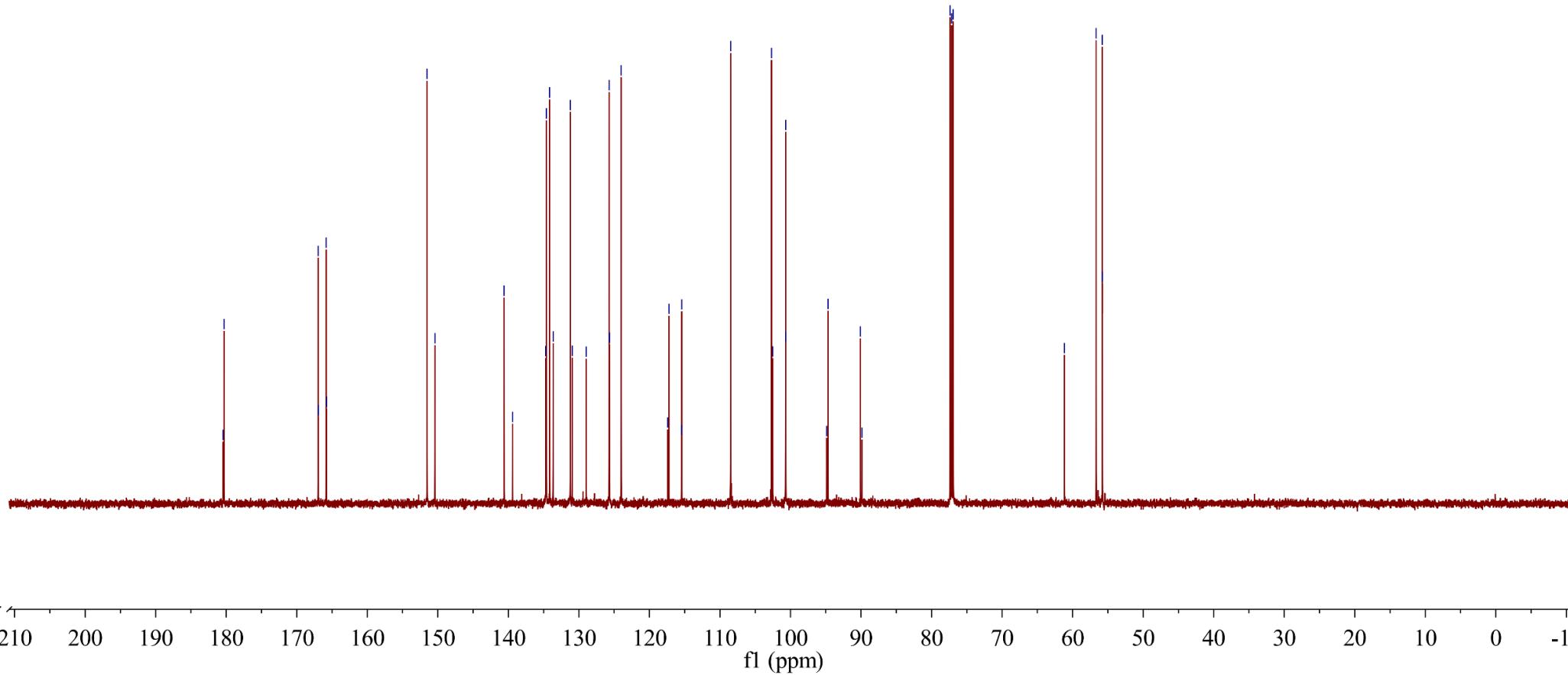
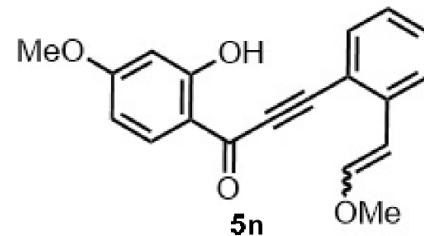


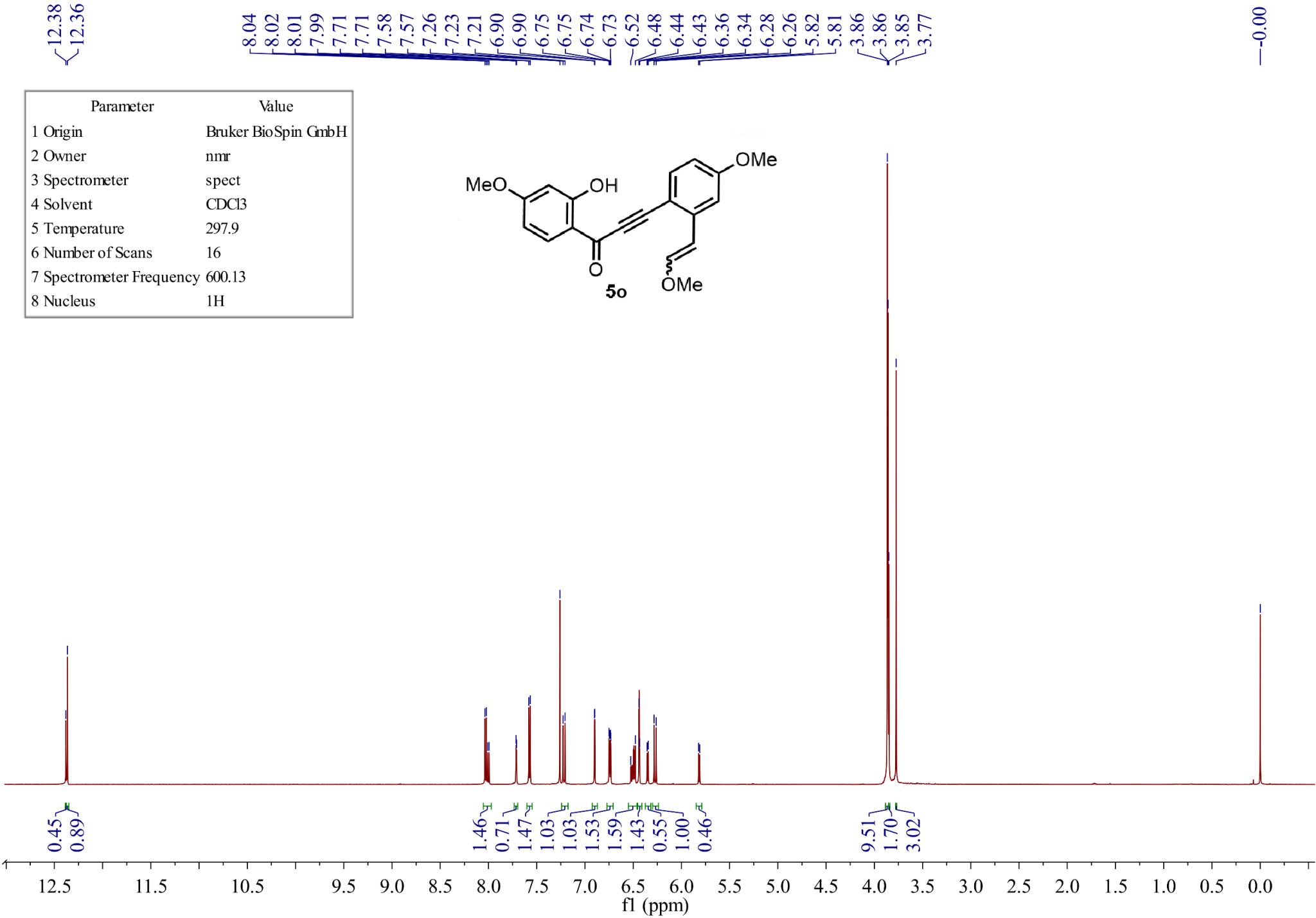
180.44
 180.31
 166.97
 166.94
 165.83
 165.77
 151.53
 150.41

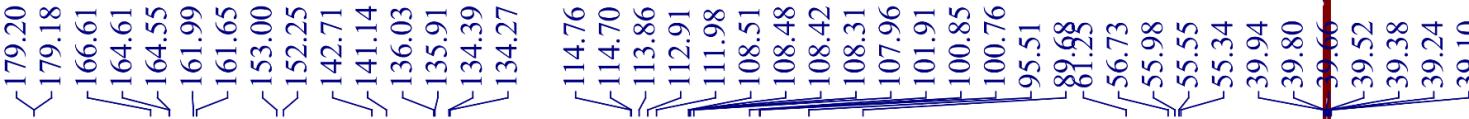
~140.60
 134.60
 134.15
 133.66
 131.22
 125.71
 125.66
 124.00
 117.22
 115.42
 108.48
 102.69
 100.70
 100.68
 94.68
 99.99
 77.16
 76.95

61.16
 56.66
 55.80
 55.79

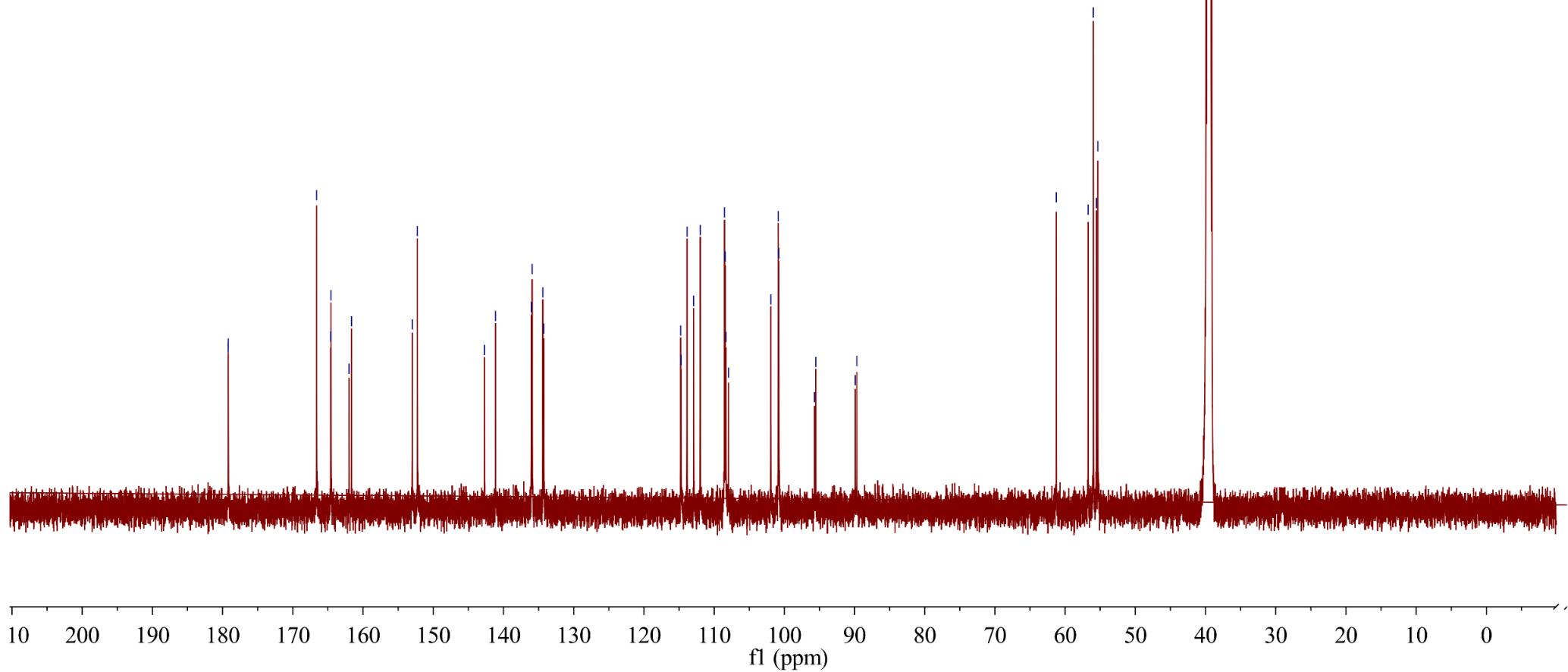
Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	CDCl ₃
5 Temperature	298.1
6 Number of Scans	210
7 Spectrometer Frequency	150.90
8 Nucleus	¹³ C







Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	297.9
6 Number of Scans	529
7 Spectrometer Frequency	150.90
8 Nucleus	^{13}C



-11.99

8.04

8.03

7.81

7.79

7.79

7.78

7.67

7.67

7.65

7.58

7.58

7.56

7.56

7.56

7.56

7.56

7.56

7.56

7.56

7.56

7.56

7.56

7.56

7.56

7.56

7.56

7.56

7.56

7.56

7.56

7.56

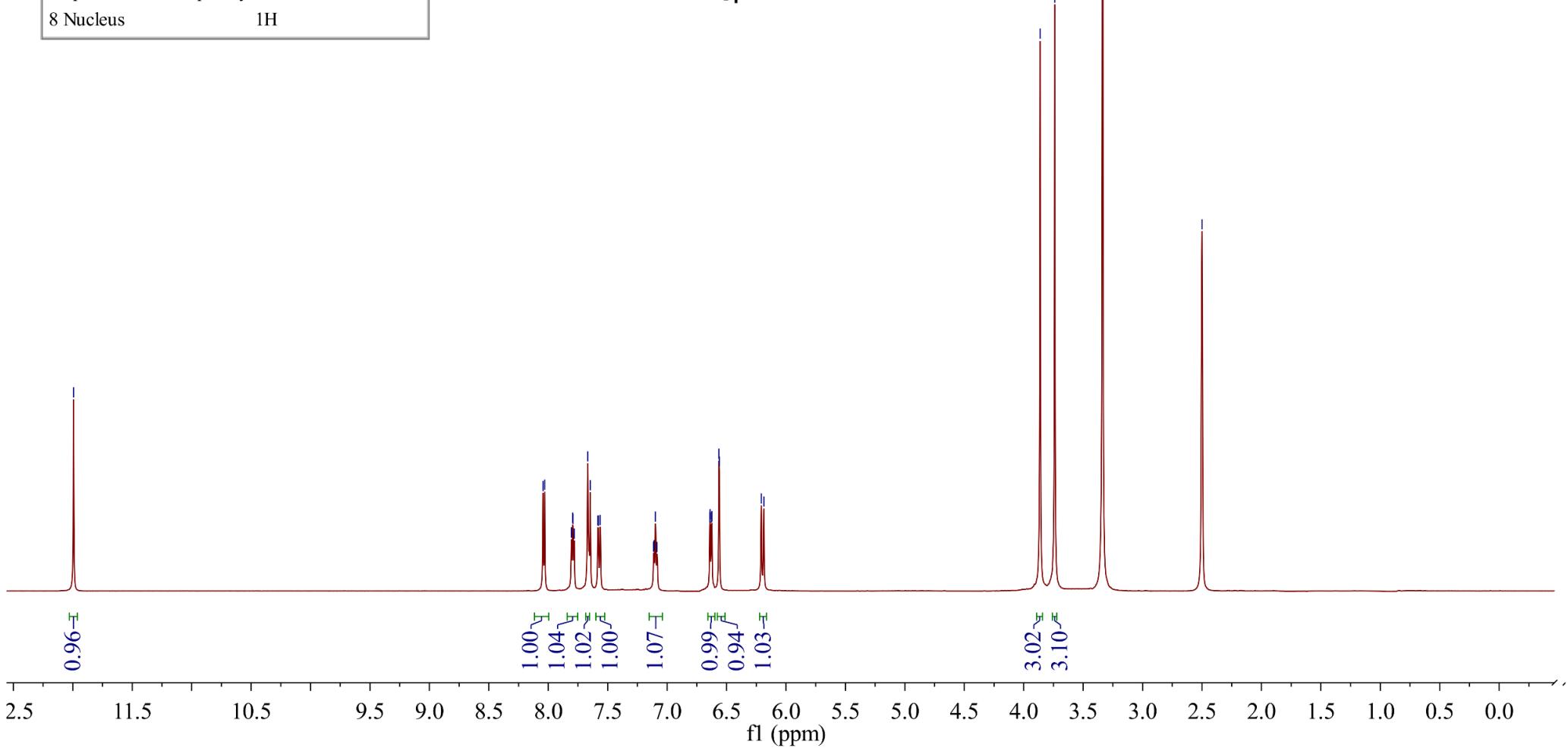
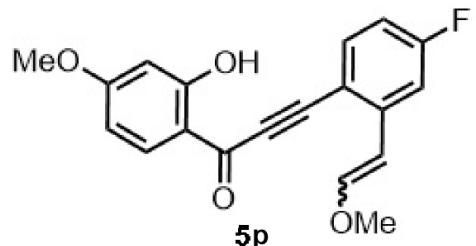
7.56

7.56

Parameter

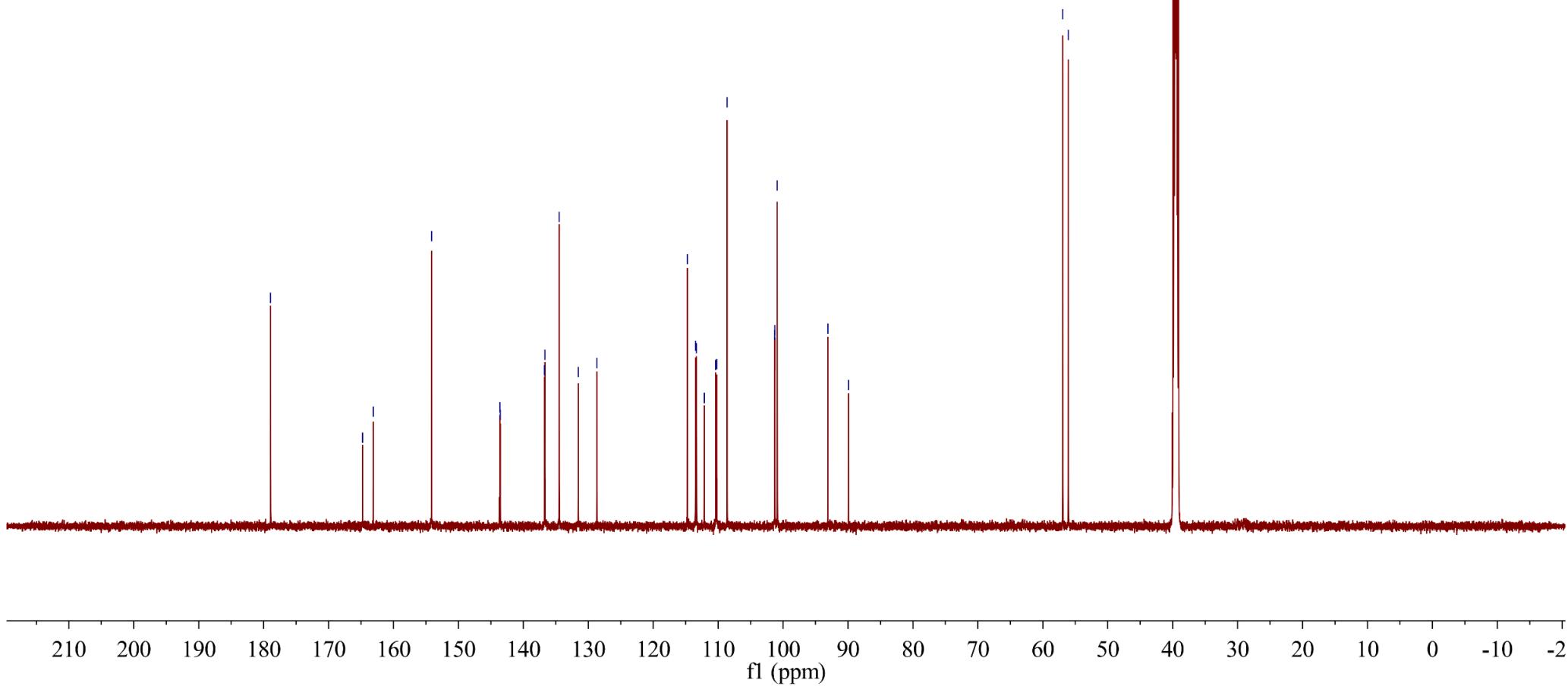
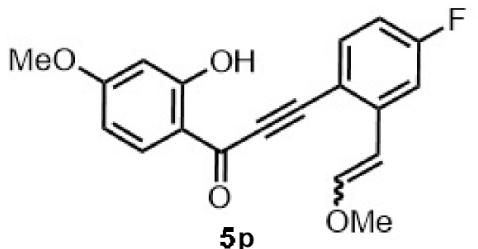
Value

1 Origin	Bruker BioSpin GmbH
2 Owner	nmrsu
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	299.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H



-178.93
 -164.79
 -163.13
 -154.15
 143.61
 143.55
 136.75
 136.68
 134.48
 131.54
 128.68
 114.76
 113.49
 113.34
 112.15
 112.13
 110.38
 110.23
 108.62
 101.29
 101.27
 100.89
 93.10
 89.93
 56.94
 56.07

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmrsu
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	300.1
6 Number of Scans	252
7 Spectrometer Frequency	150.90
8 Nucleus	¹³ C

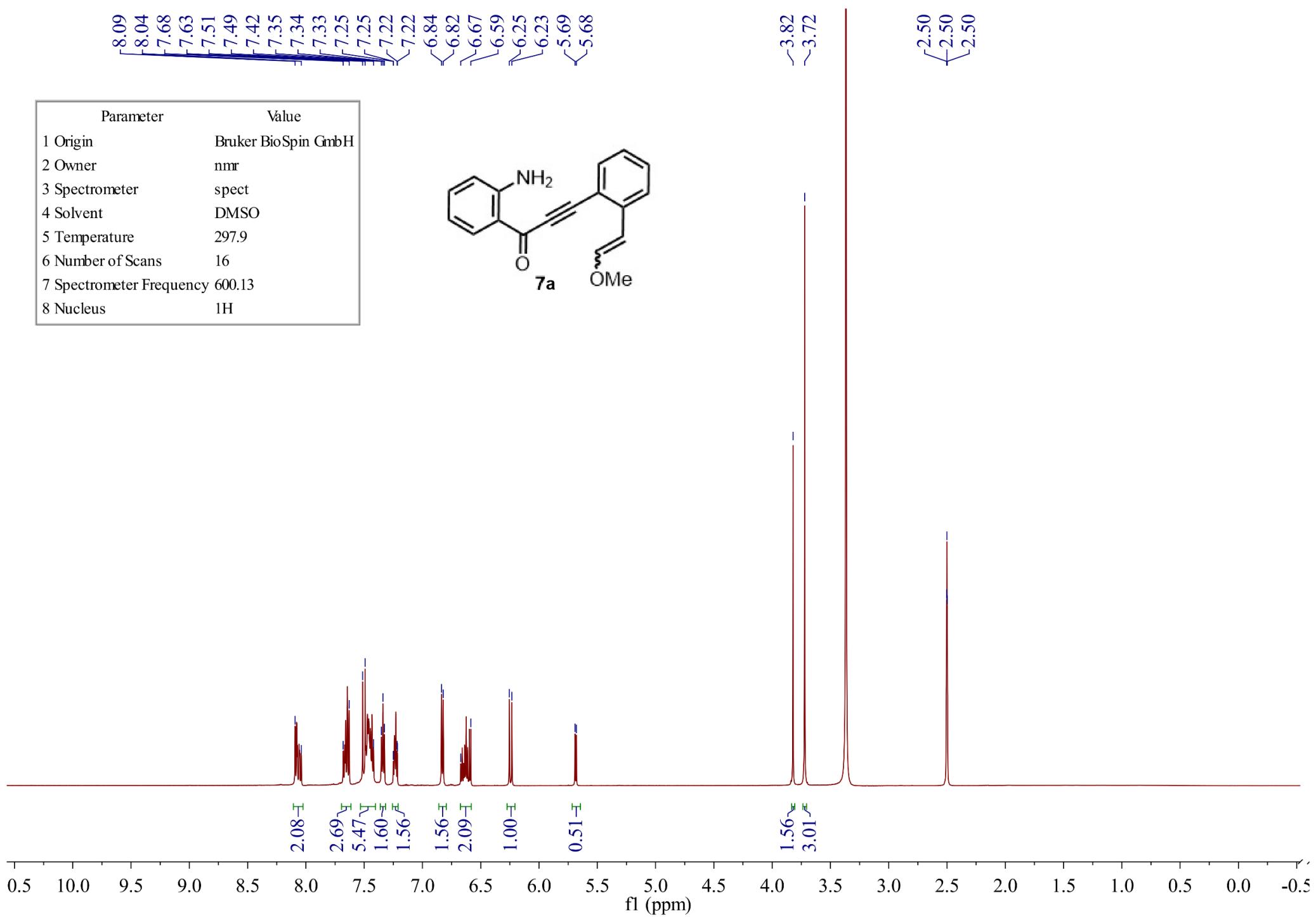
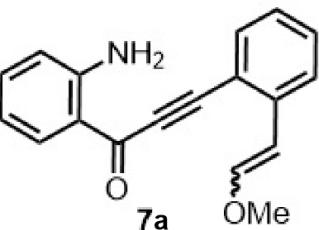


8.09
8.04
7.68
7.63
7.51
7.49
7.42
7.35
7.34
7.25
7.25
7.22
7.22
6.84
6.82
6.67
6.59
6.25
6.23
5.69
5.68

~3.82
~3.72

2.50
2.50
2.50

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	297.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H



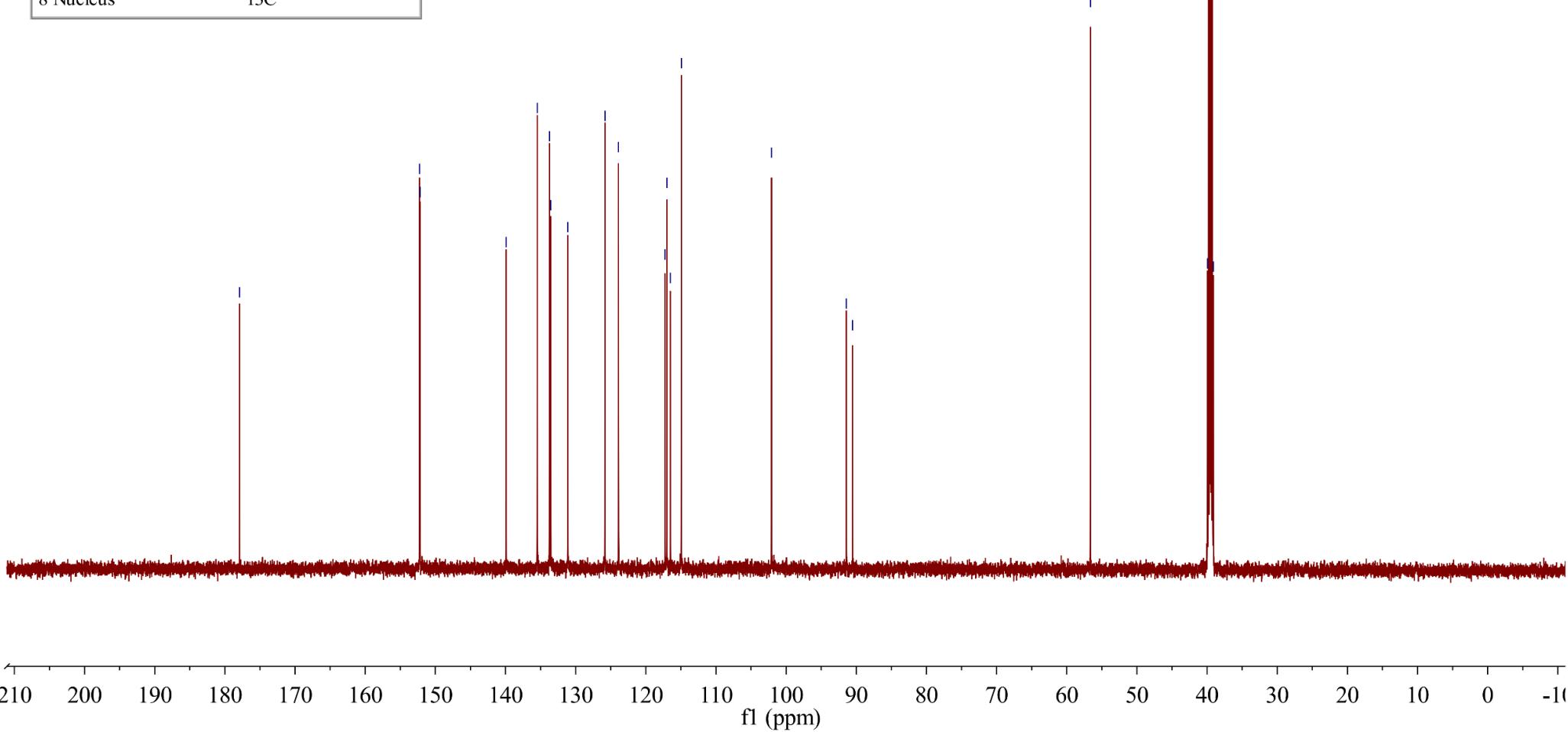
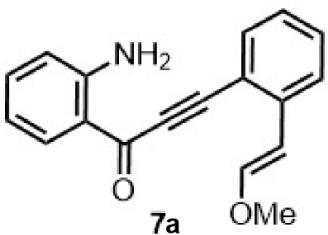
-177.91

152.25
152.18
139.91
135.47
133.74
133.55
-131.12
125.82
-123.89
117.27
117.00
116.50
114.93
-102.09

91.42
90.52

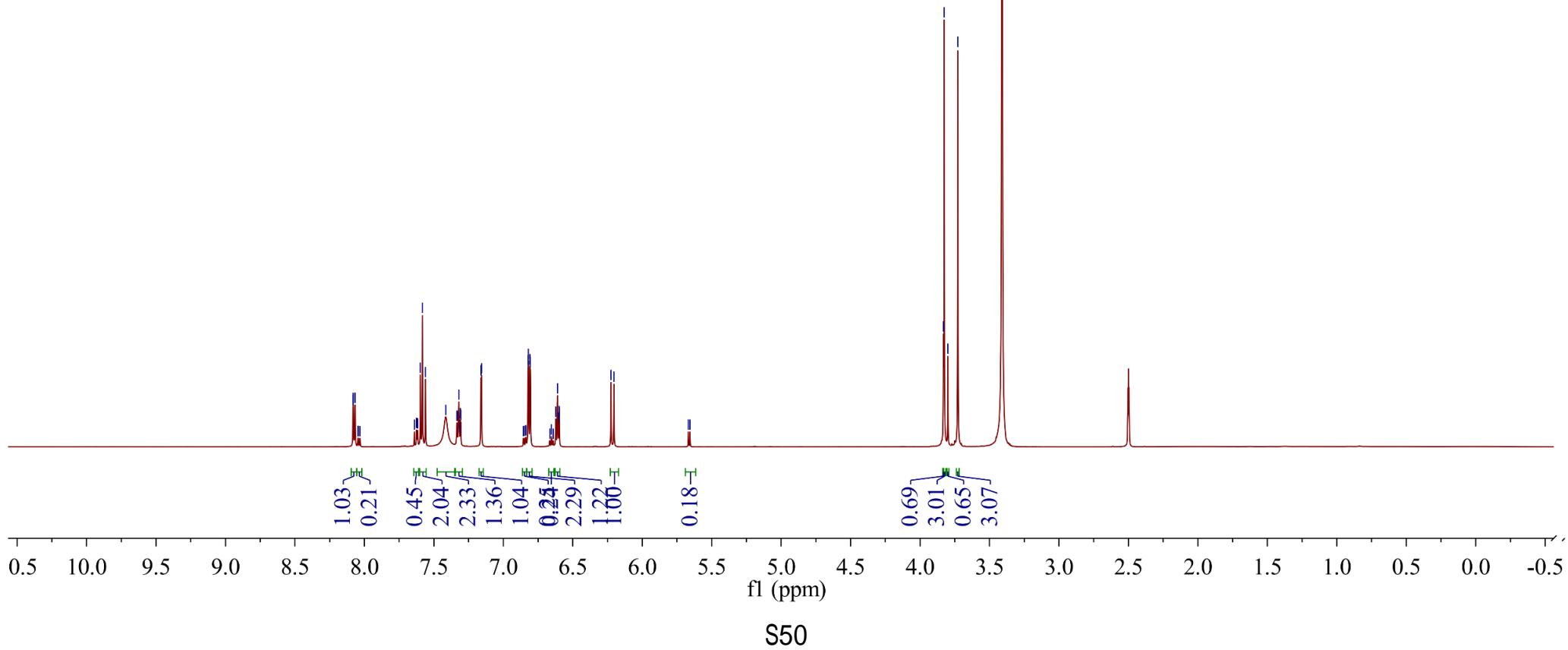
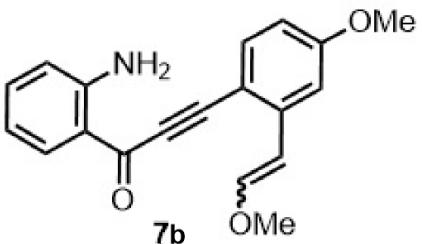
-56.63
39.94
39.80
39.66
39.52
39.38
39.24
39.10

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	297.9
6 Number of Scans	137
7 Spectrometer Frequency	150.90
8 Nucleus	¹³ C





Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	297.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H



<178.09
<178.07

<161.44
<161.05

<152.59
<151.99

<142.08
<135.53

<135.24
<135.14

<133.44

<117.34
<116.91

<114.77
<112.70

<108.77
<108.48

<92.08
<91.68

<91.52
<91.20

<90.90

<61.16

<56.55

<55.44

<55.24

<39.94

<39.80

<39.66

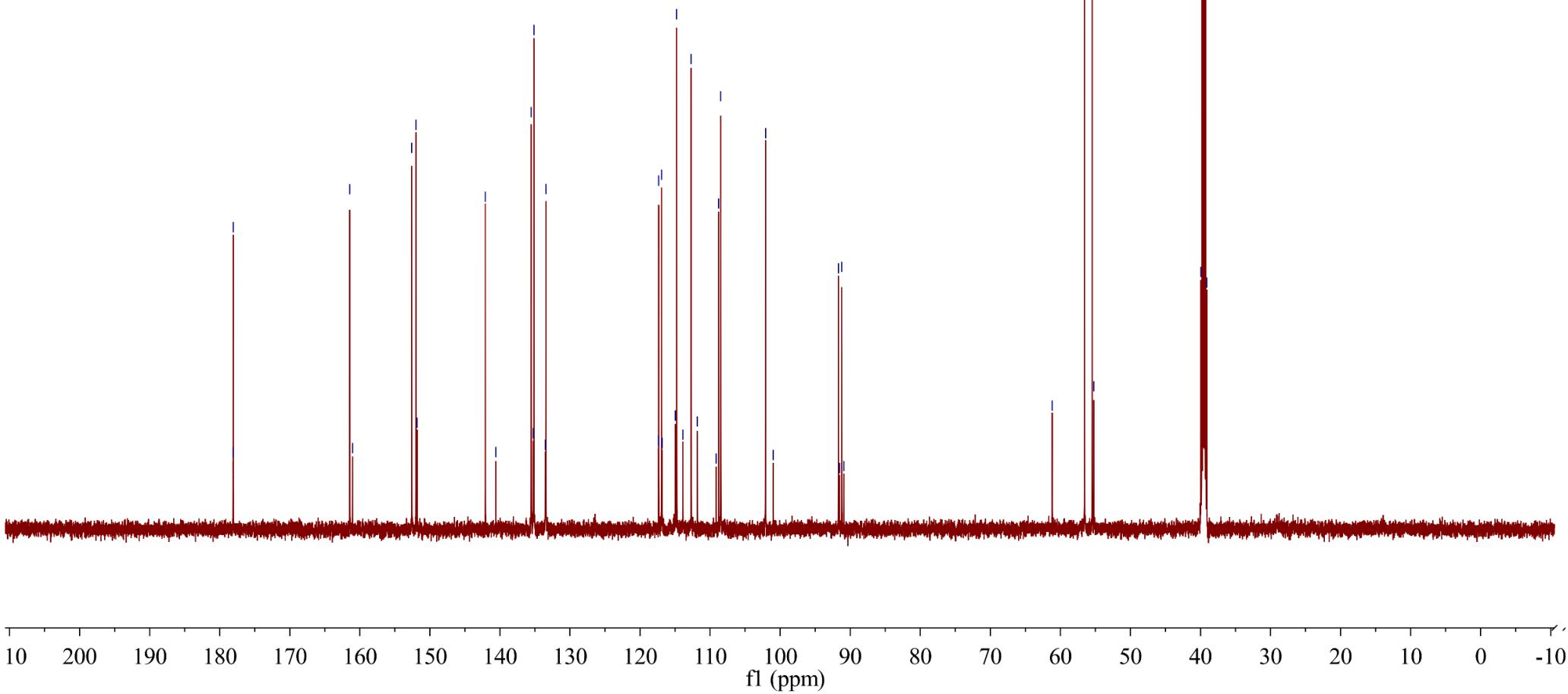
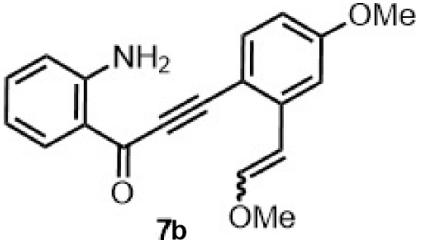
<39.52

<39.38

<39.24

<39.10

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	297.9
6 Number of Scans	137
7 Spectrometer Frequency	150.90
8 Nucleus	13C

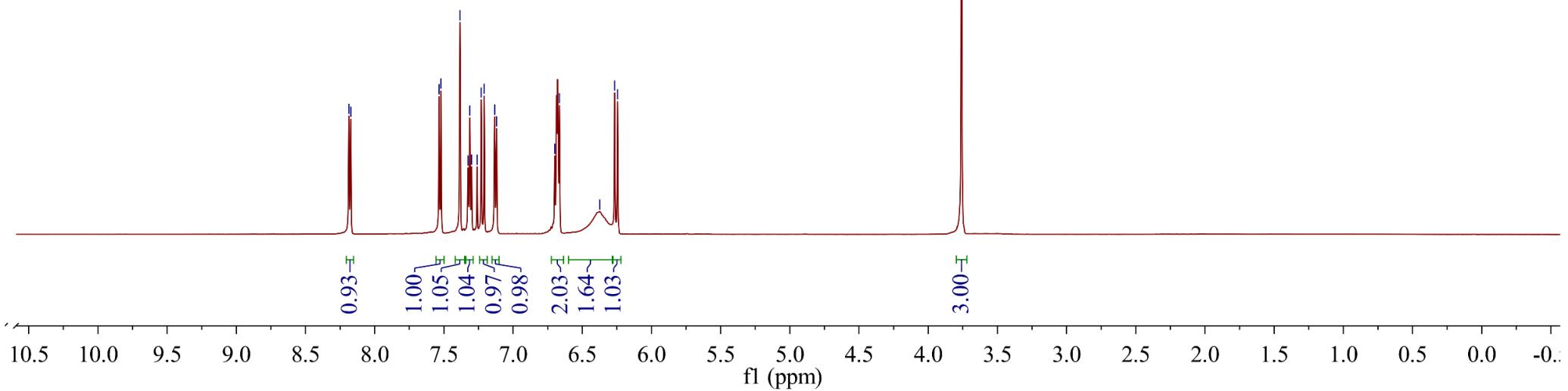
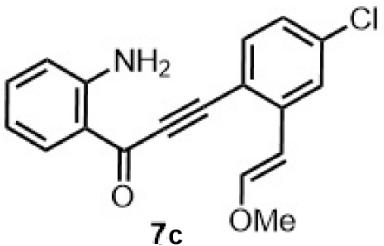


8.19

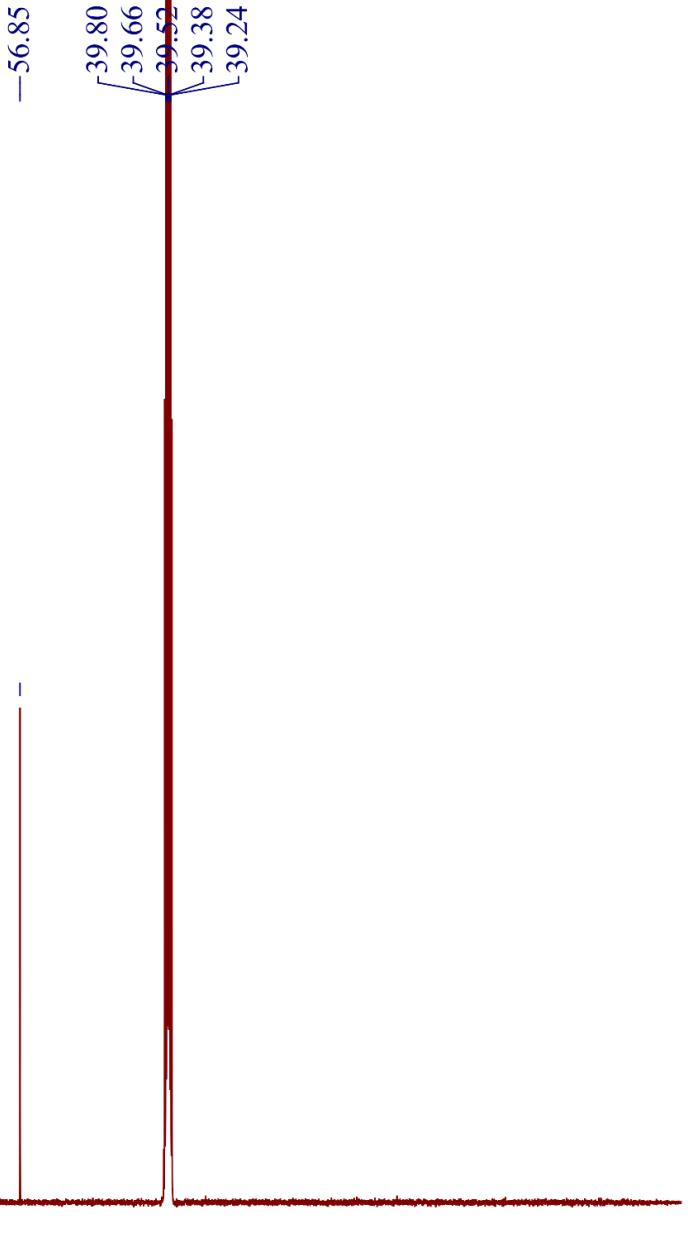
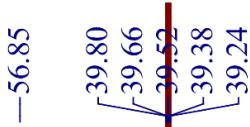
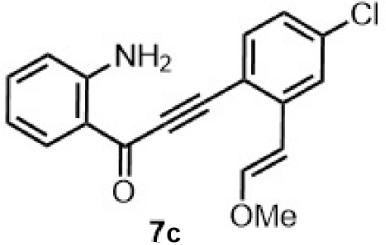
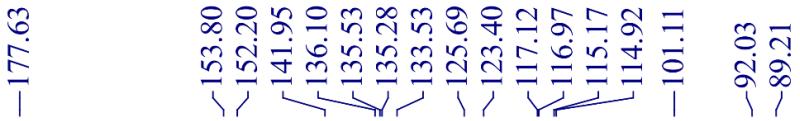
7.53
7.52
7.38
7.23
7.21
6.70
6.66
6.37
6.27
6.24

3.76

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	CDCl ₃
5 Temperature	297.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H



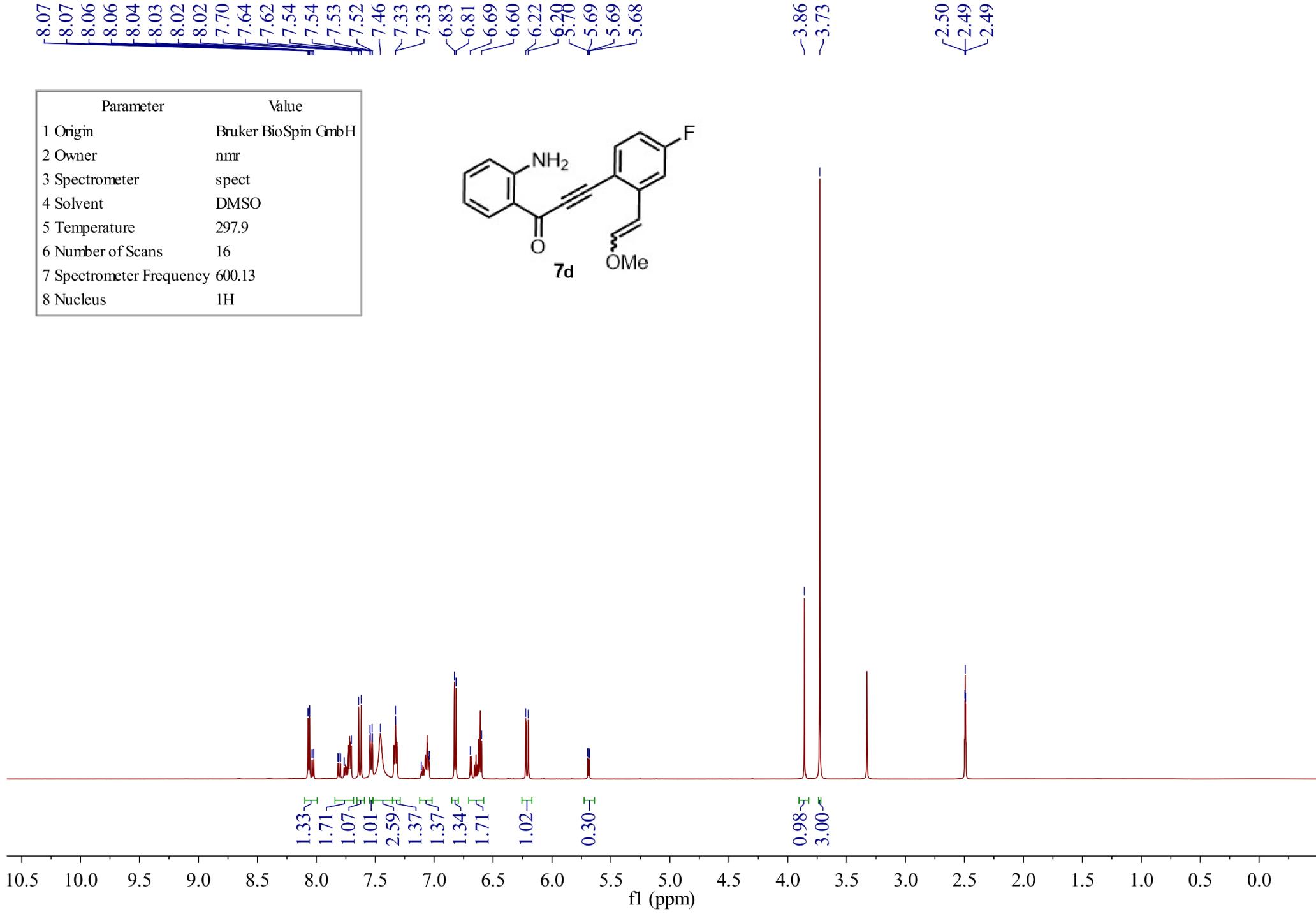
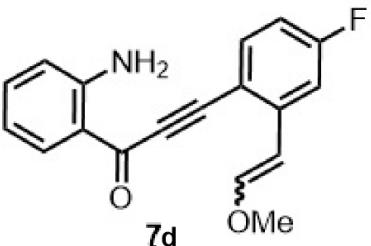
Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmrsu
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	299.9
6 Number of Scans	165
7 Spectrometer Frequency	150.90
8 Nucleus	¹³ C



210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 -10 -2



Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	297.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H



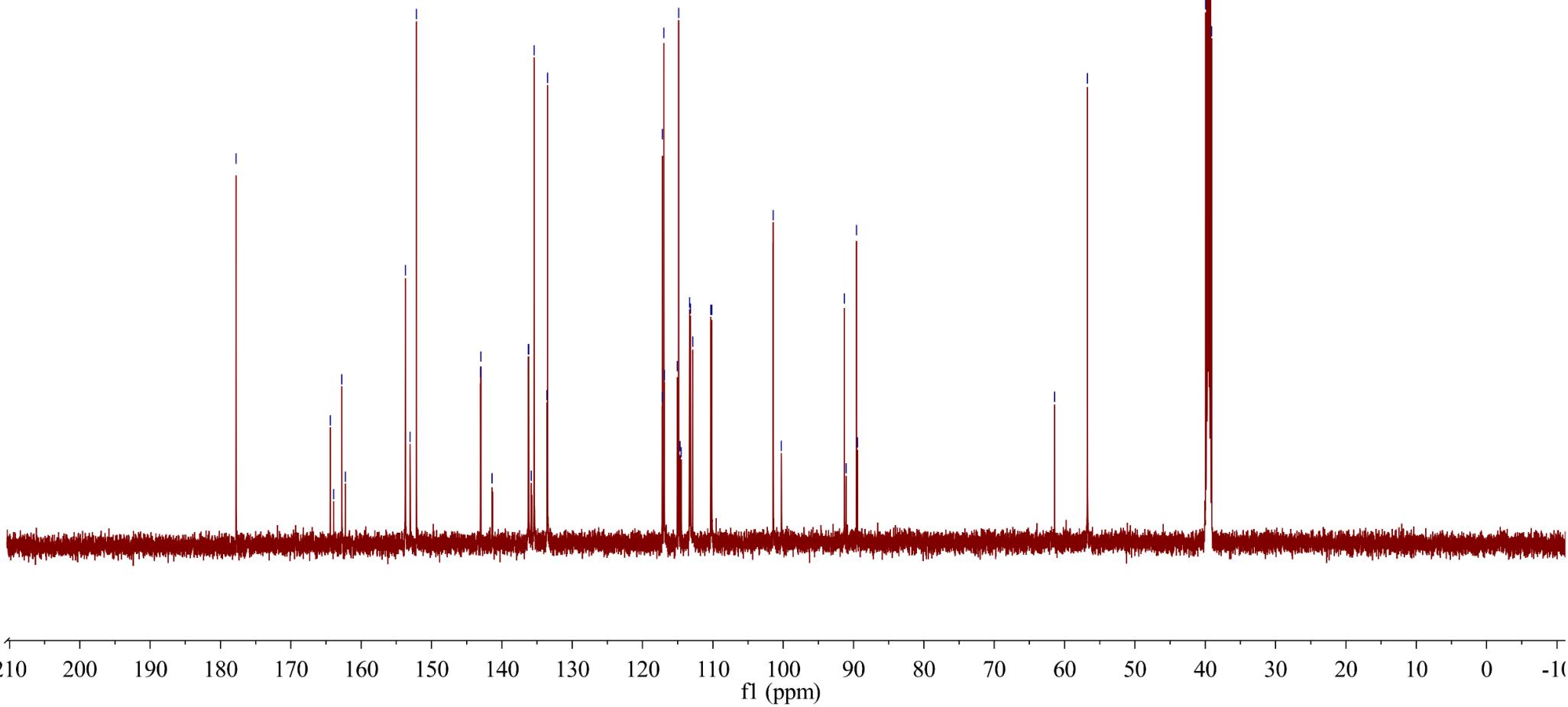
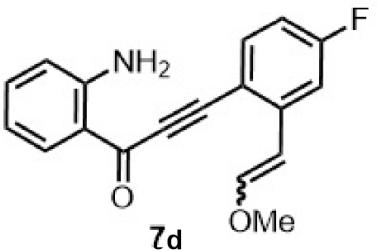
-177.78
164.39
163.90
162.74
162.25

153.72
152.14

142.98
136.23
136.17
135.41
133.50
117.18
116.95
114.87
113.33
103.42
100.26
91.29
91.06
89.58
89.44

-61.41
-56.75
39.94
39.80
39.66
39.52
39.38
39.24
39.10

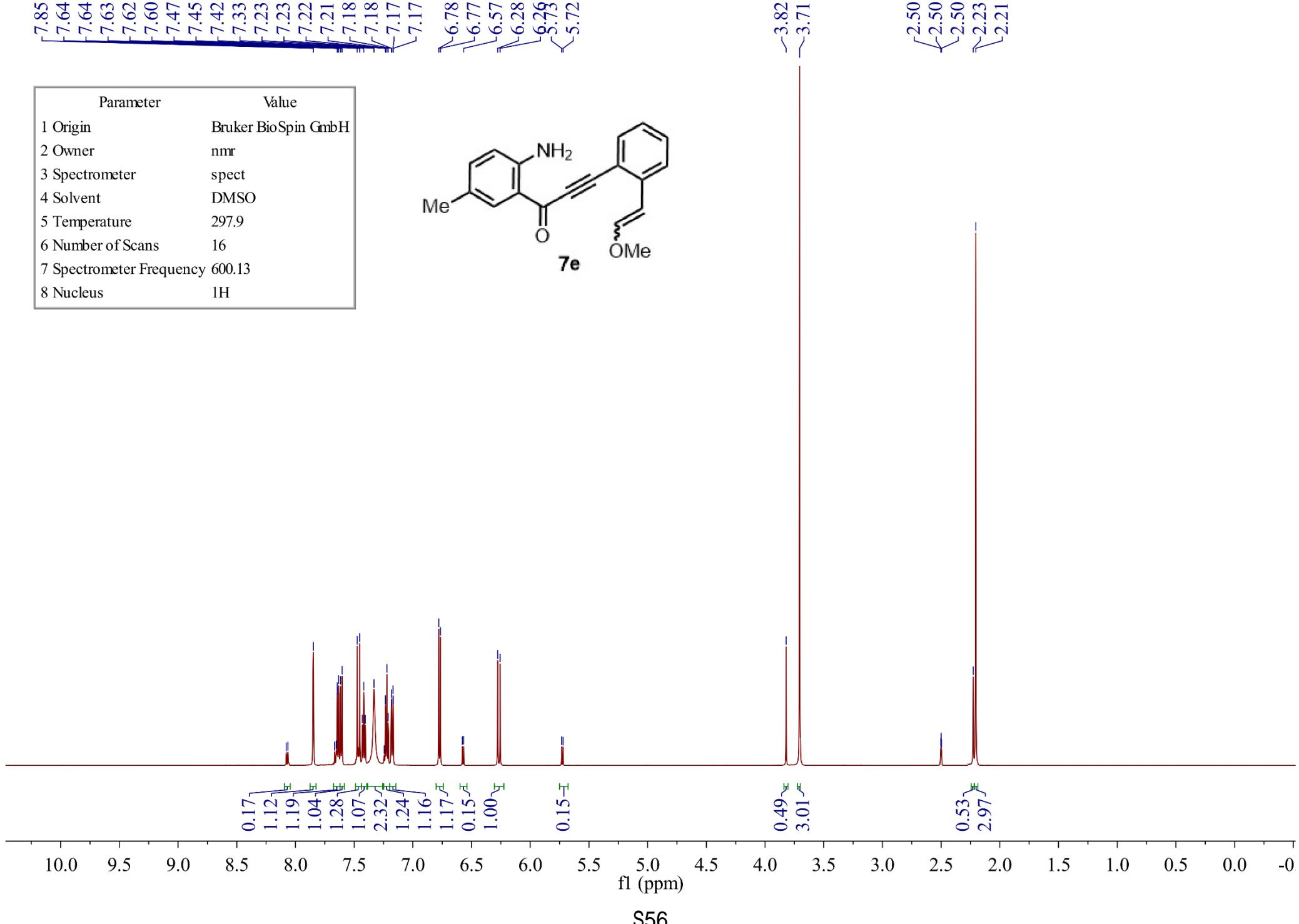
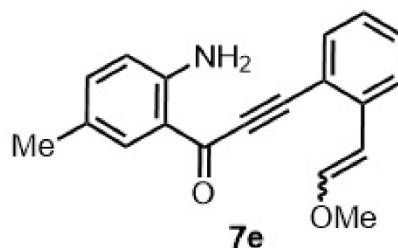
Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	297.9
6 Number of Scans	267
7 Spectrometer Frequency	150.90
8 Nucleus	¹³ C

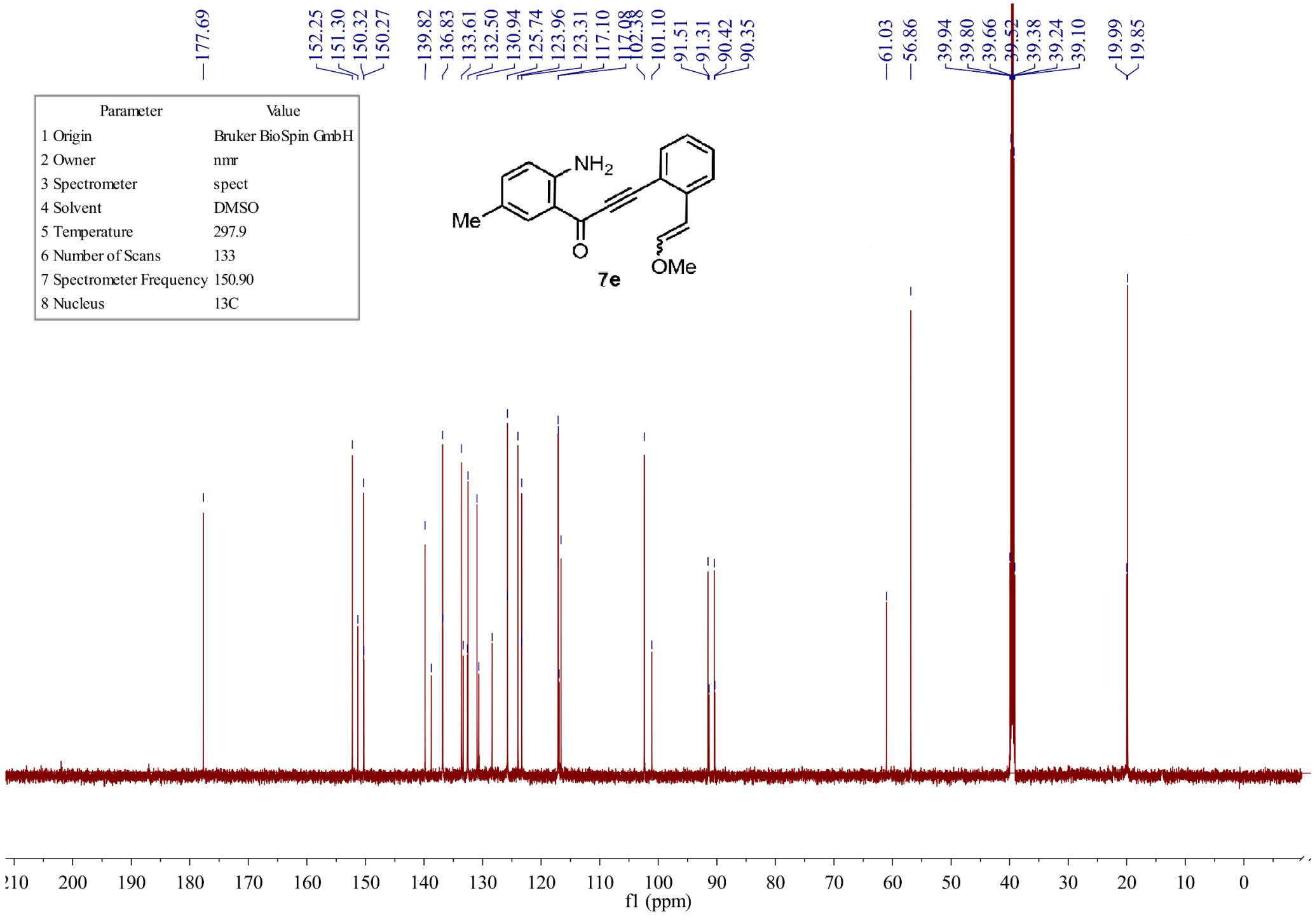


7.85
7.64
7.64
7.63
7.62
7.60
7.47
7.45
7.42
7.33
7.23

7.22
7.21
7.18
7.17

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	297.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H

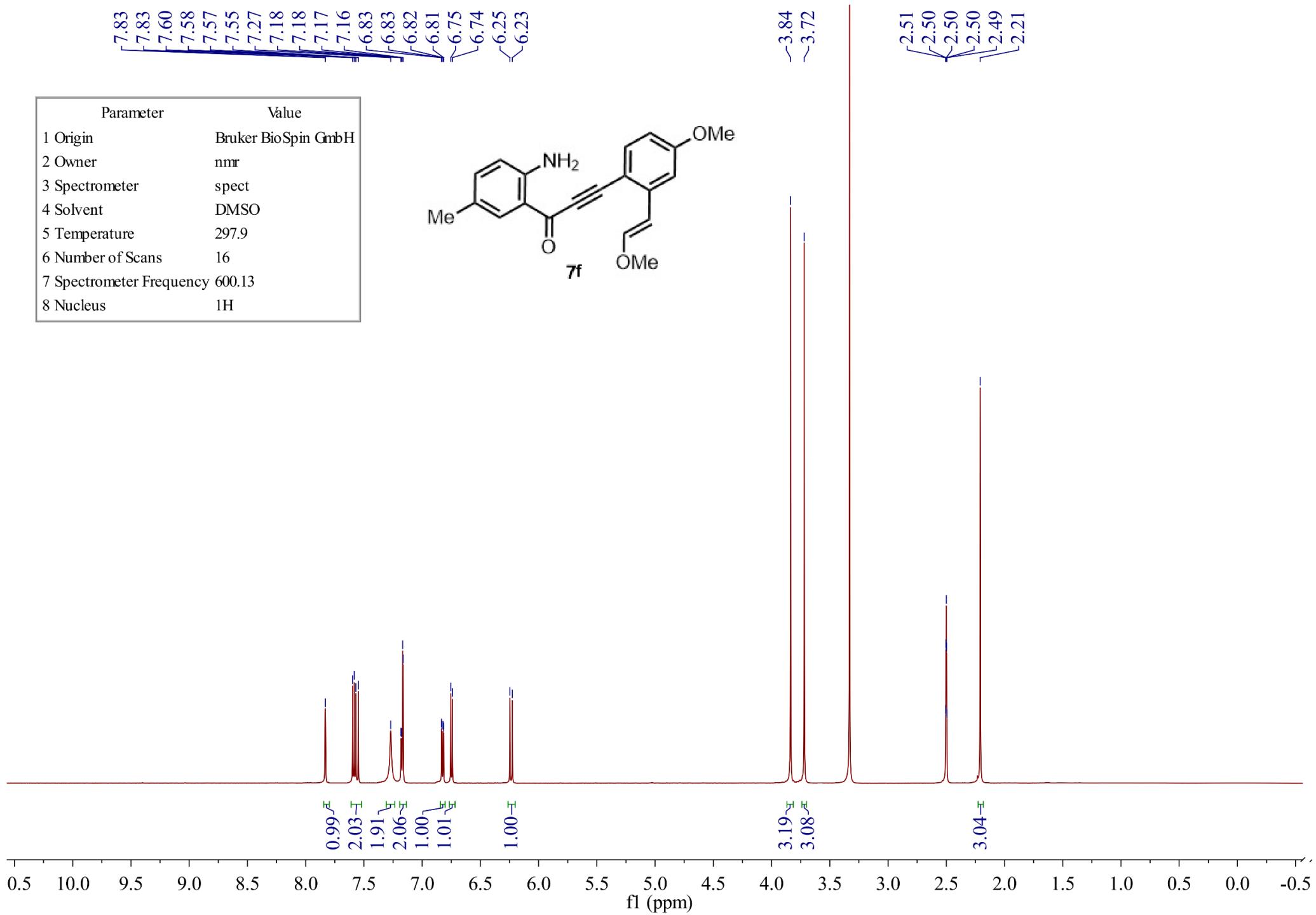
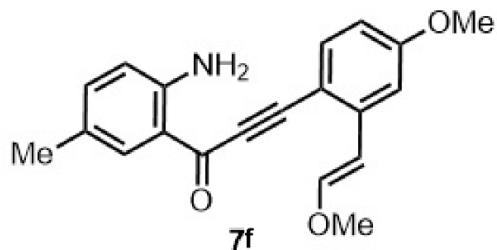


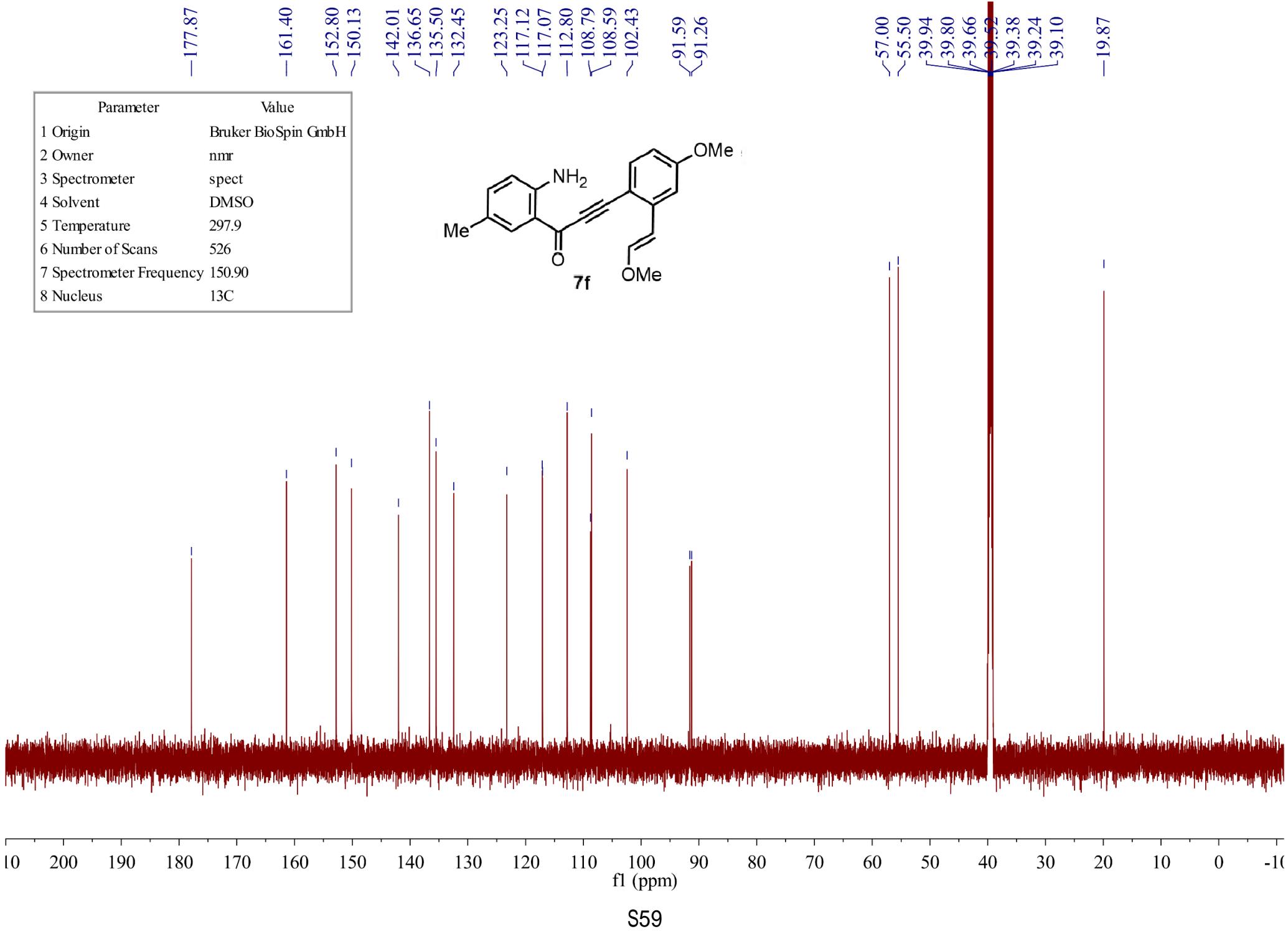


7.83
7.83
7.60
7.58
7.57
7.55
7.27
7.18
7.18
7.16
6.83
6.83
6.82
6.81
6.75
6.74
6.25
6.23

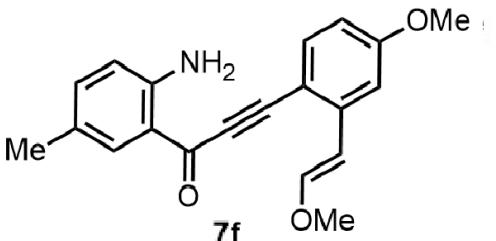
~3.84
~3.72
2.51
2.50
2.50
2.50
2.49
2.21

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	297.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H





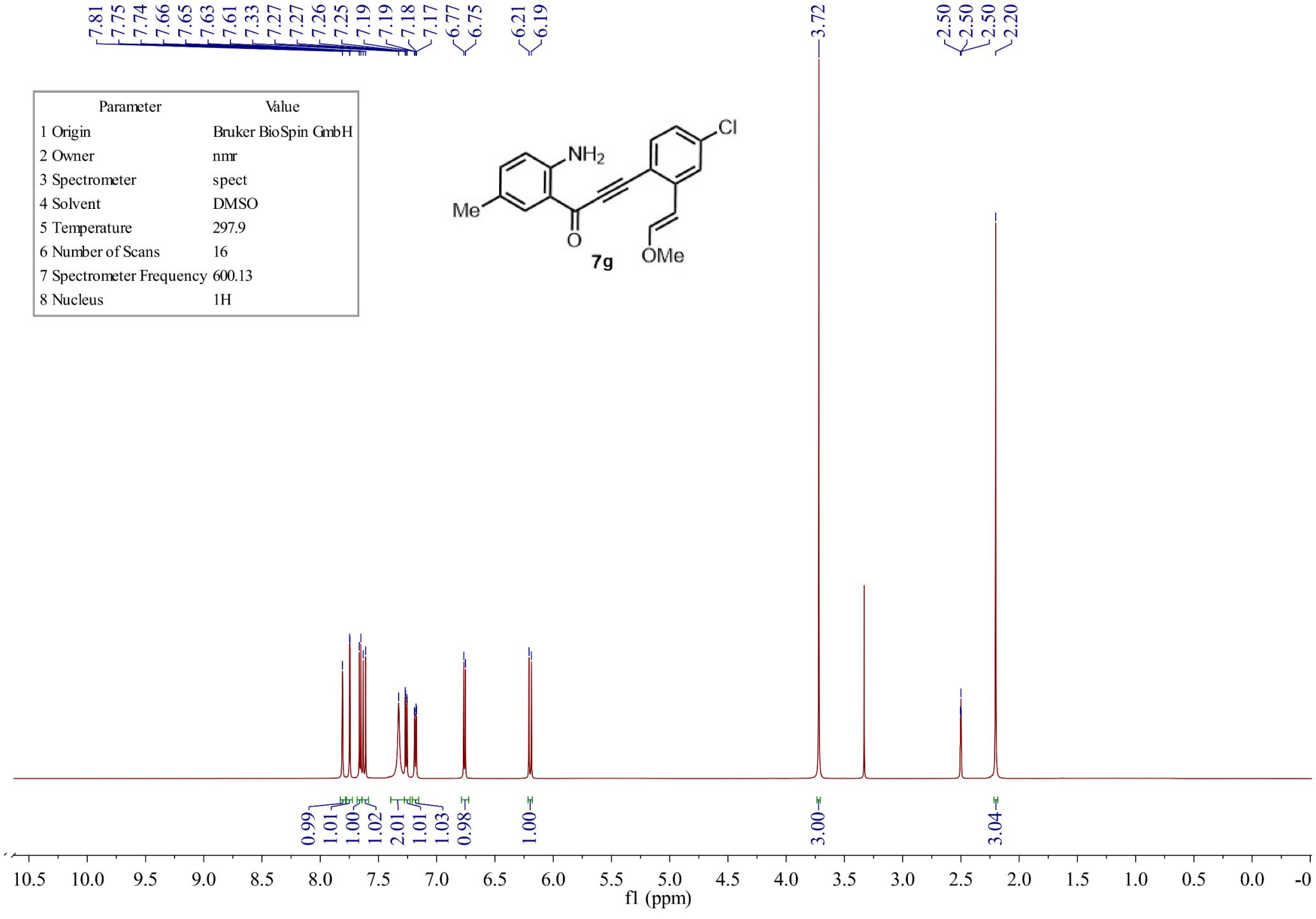
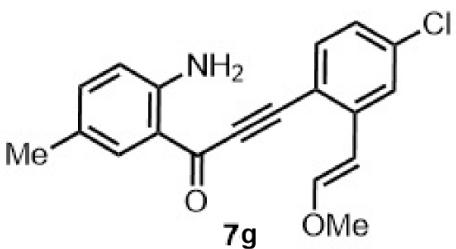
Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	297.9
6 Number of Scans	526
7 Spectrometer Frequency	150.90
8 Nucleus	¹³ C

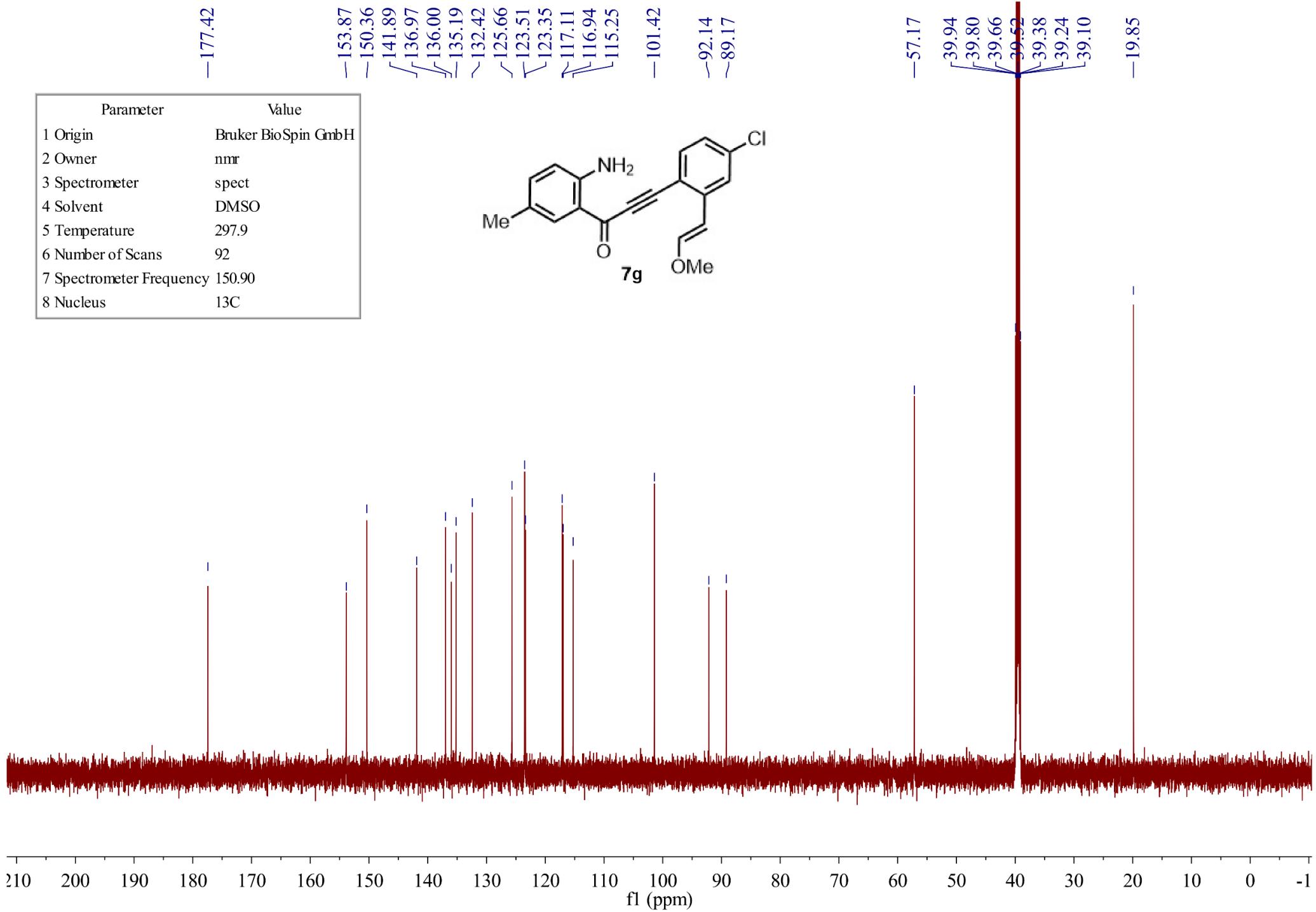


7.81
7.75
7.74
7.66
7.65
7.63
7.61
7.33
7.27
7.27
7.26
7.25
7.19
7.19
7.18
7.17
6.77
6.75

2.50
2.50
2.50
2.20

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	297.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H



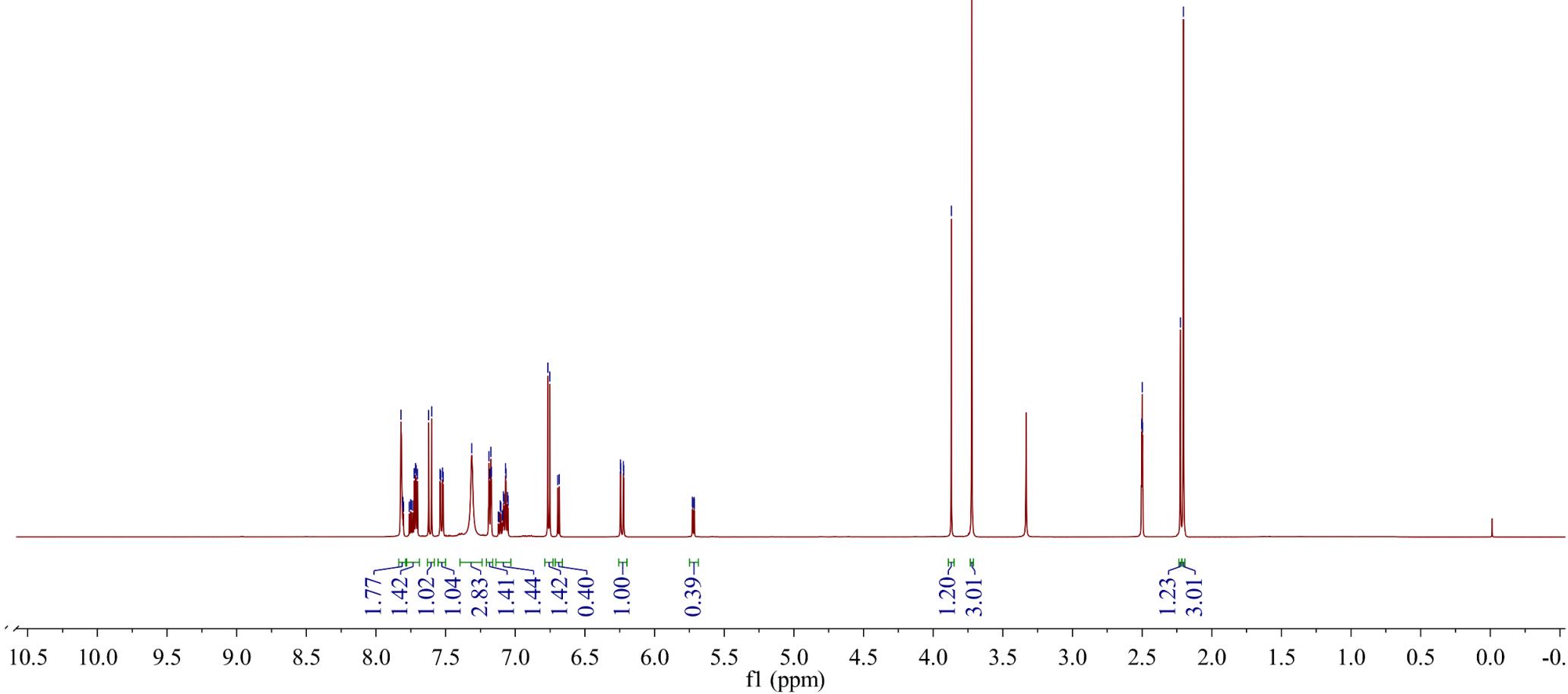
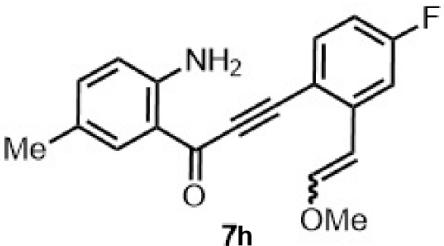


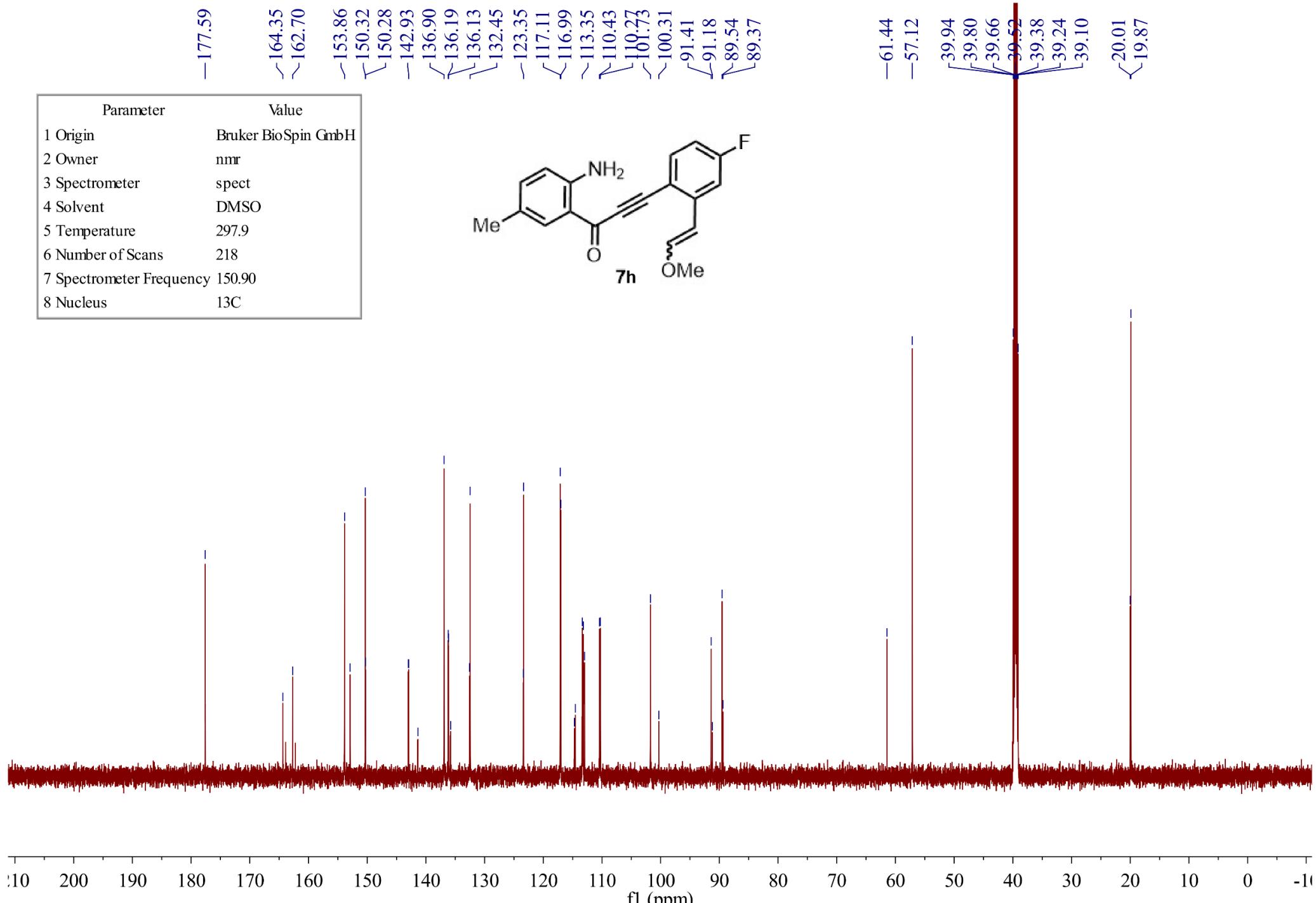
7.82
7.73
7.72
7.71
7.70
7.62
7.60
7.54
7.54
7.52
7.52
7.31
7.19
7.19
7.17
7.17
7.07
7.07
6.77
6.75
6.68

~3.87
~3.72

2.50
2.50
2.50
2.23
2.20

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	297.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H



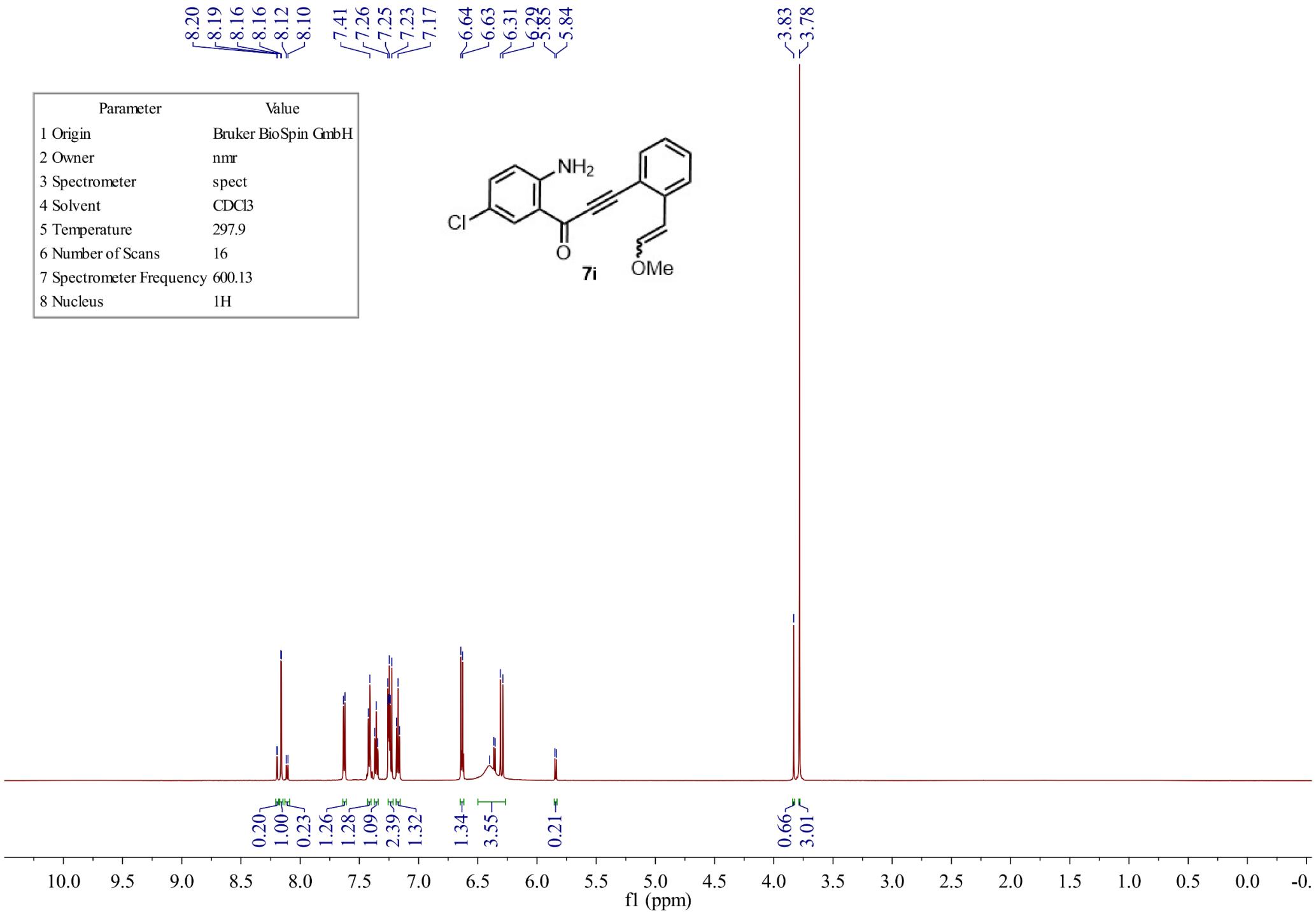
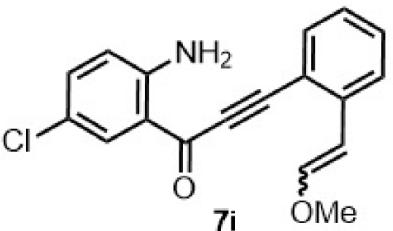


8.20
8.19
8.16
8.16
8.12
8.10
7.41
7.26
7.25
7.23
7.21
7.17

6.64
6.63
6.31
6.29
5.85
5.84

3.83
3.78

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	CDCl ₃
5 Temperature	297.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H



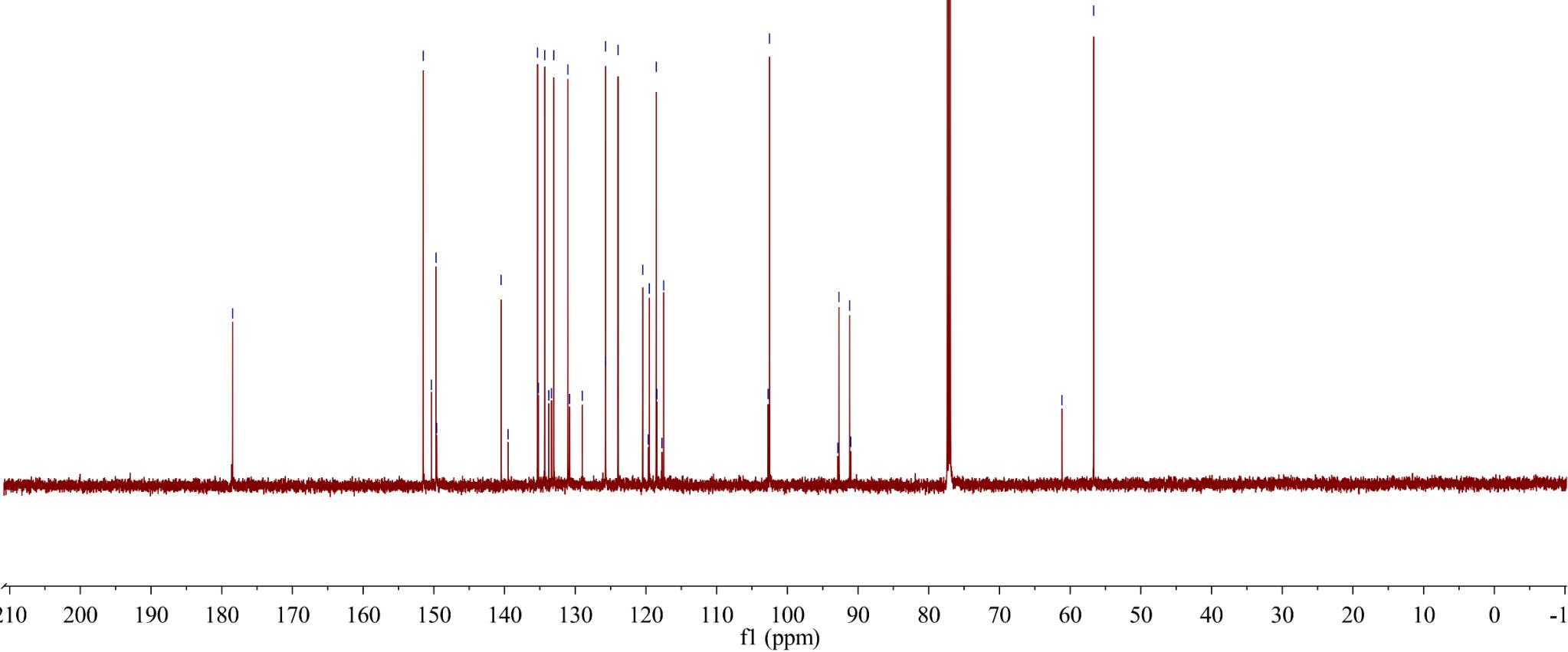
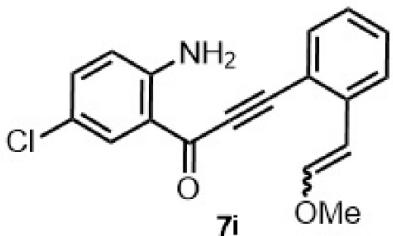
-178.47

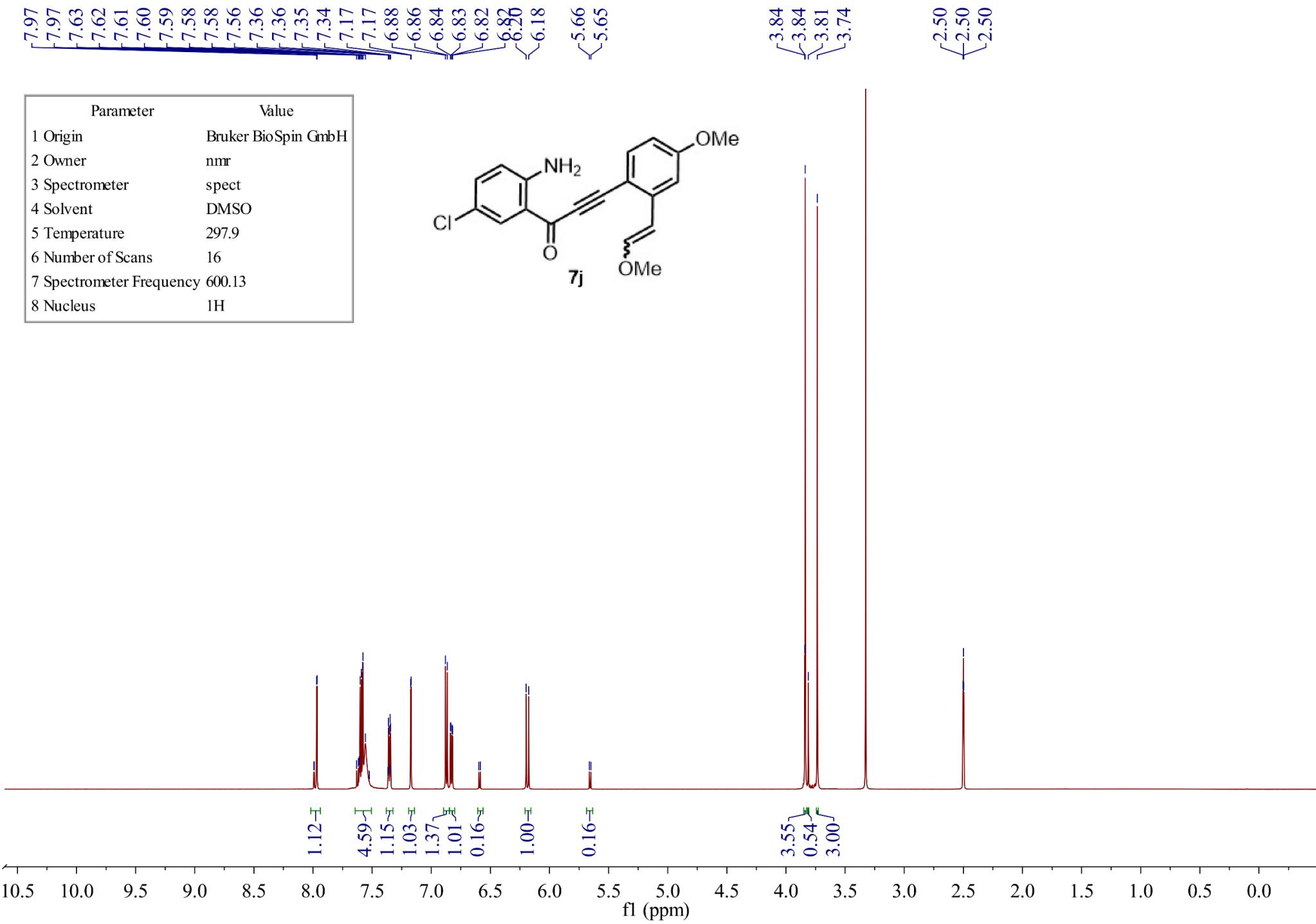
151.51
150.35
149.68
149.58

-140.49
-135.33
-134.32
-133.03
-131.03
-125.71
-123.95
-120.45
-118.55
-102.53
-92.87
-92.69
-91.18
-91.01

-61.16
-56.68

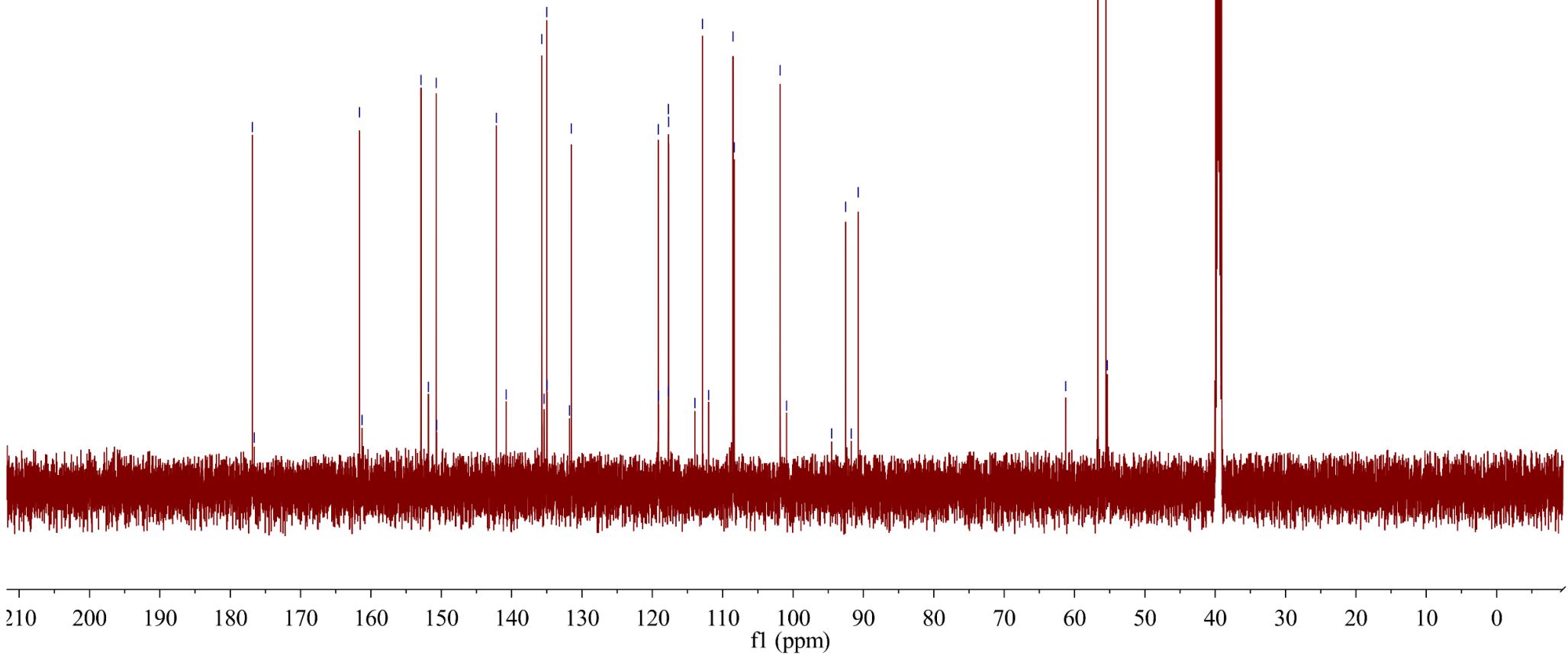
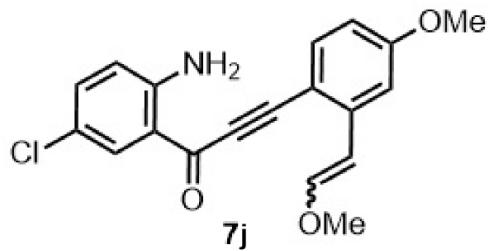
Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	CDCl ₃
5 Temperature	298.0
6 Number of Scans	264
7 Spectrometer Frequency	150.90
8 Nucleus	¹³ C

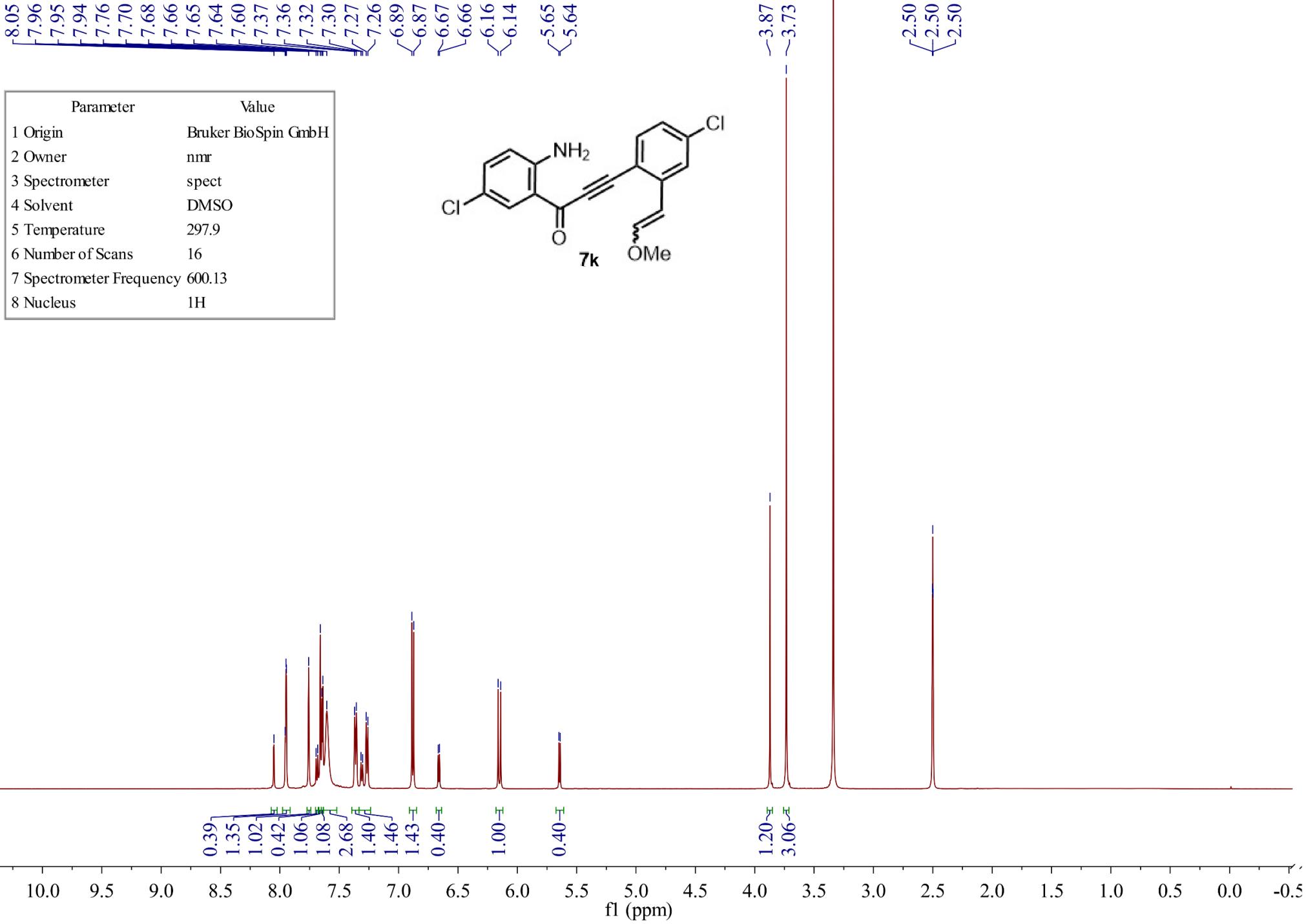






Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	298.1
6 Number of Scans	239
7 Spectrometer Frequency	150.90
8 Nucleus	¹³ C





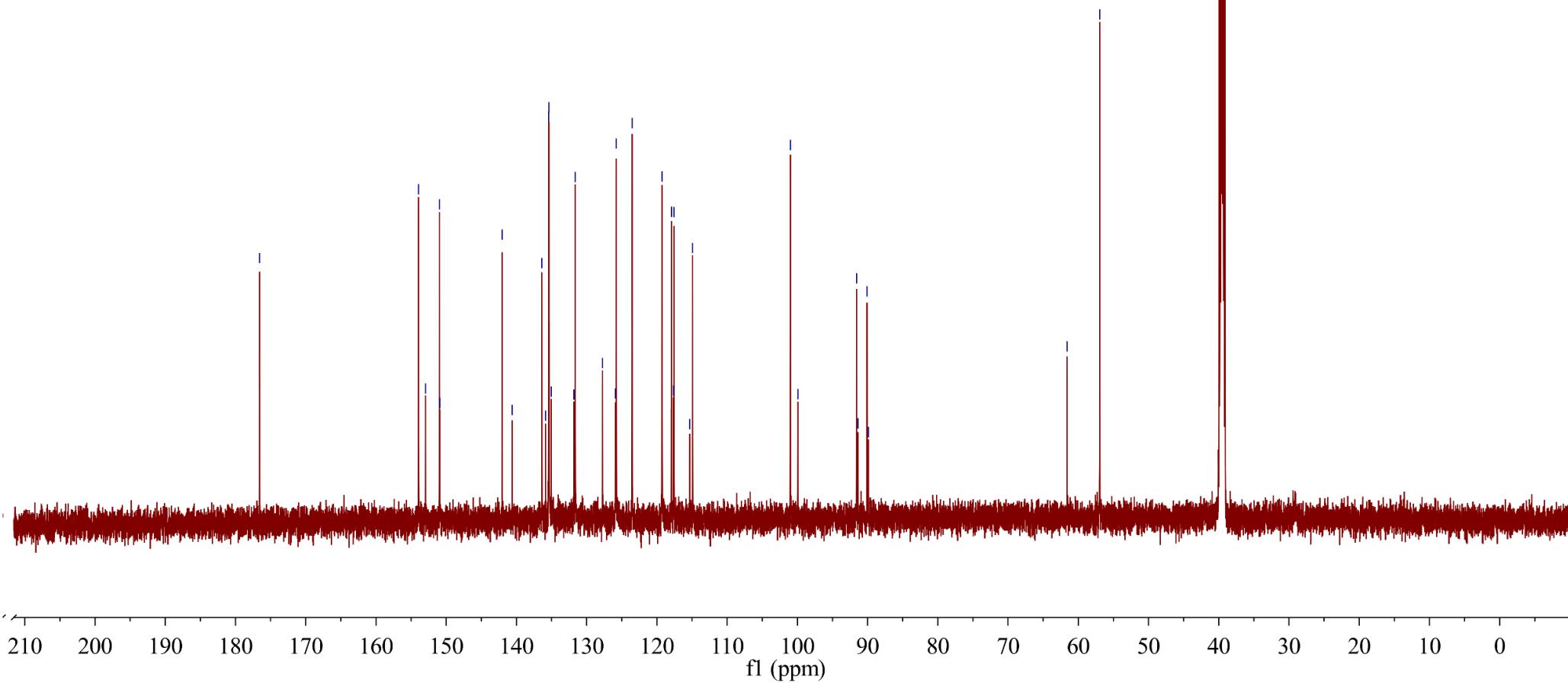
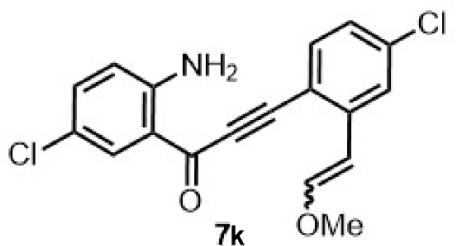
-176.58

153.94
152.94
150.96
150.90

-142.03
136.37
135.41
135.37
131.62
125.78
123.52
119.28
117.92
117.56
104.06
99.92
91.57
91.36
90.08
89.88

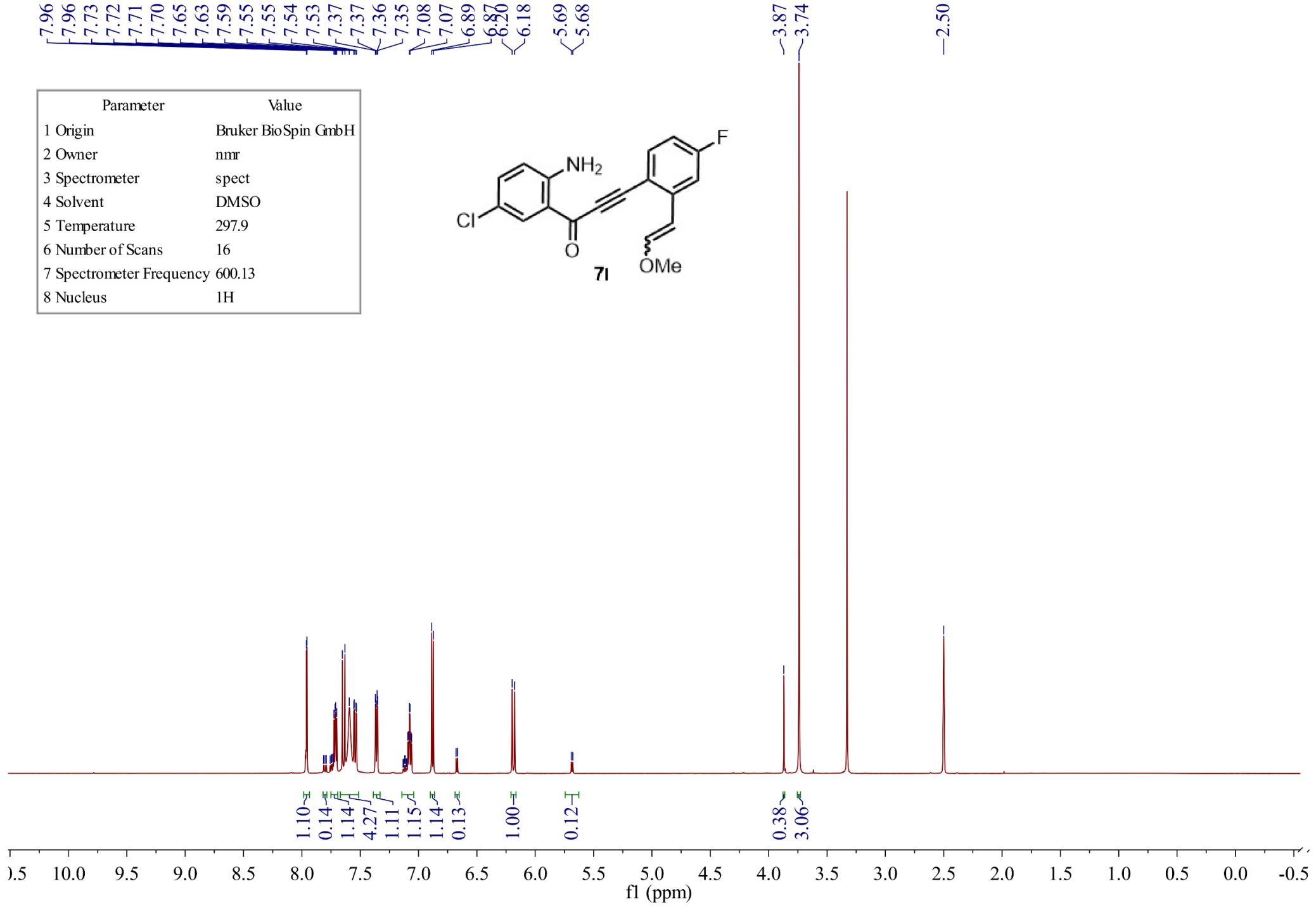
-61.59
-56.94
39.94
39.80
39.66
39.52
39.38
39.24
39.10

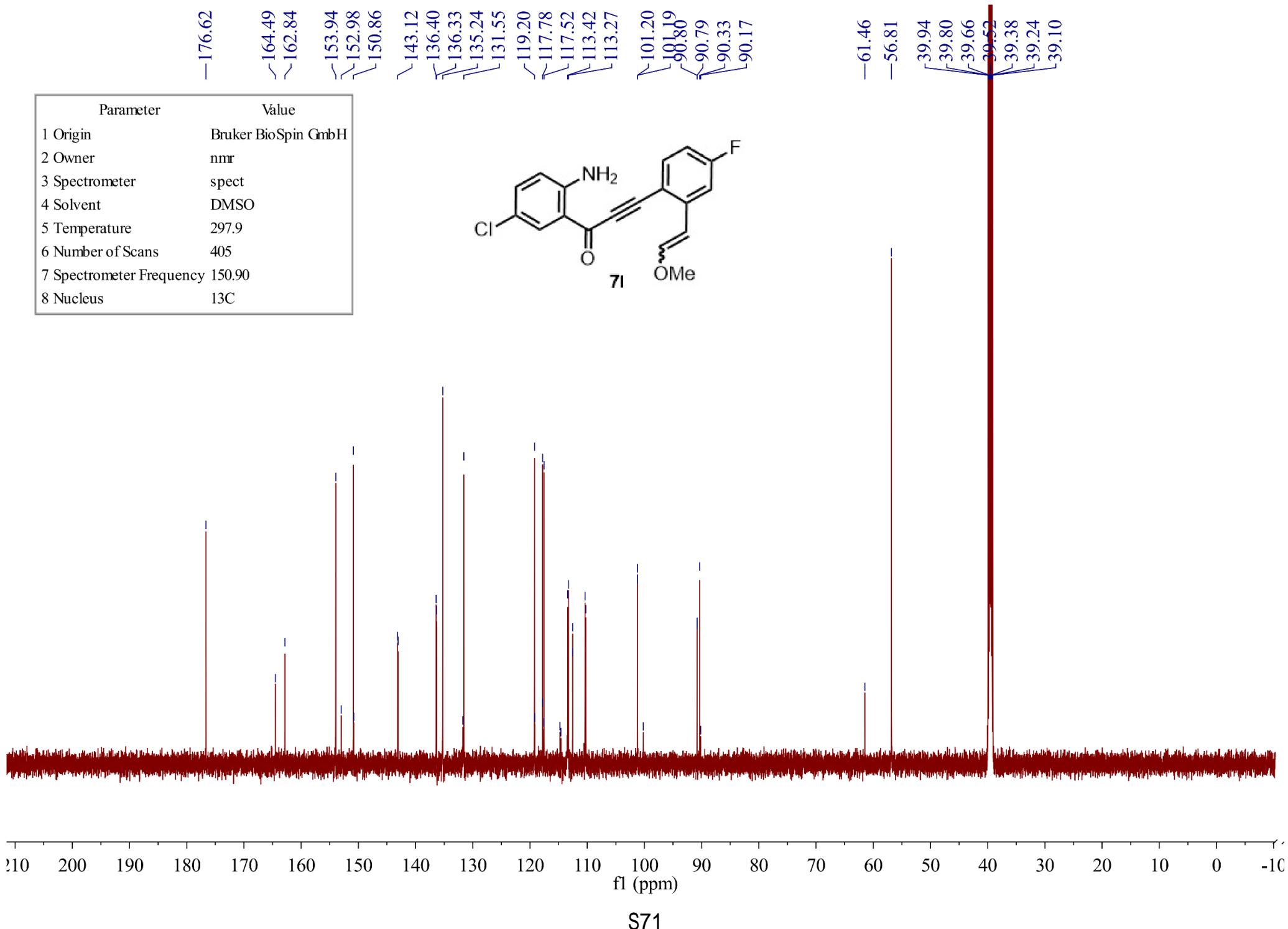
Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	297.9
6 Number of Scans	382
7 Spectrometer Frequency	150.90
8 Nucleus	¹³ C

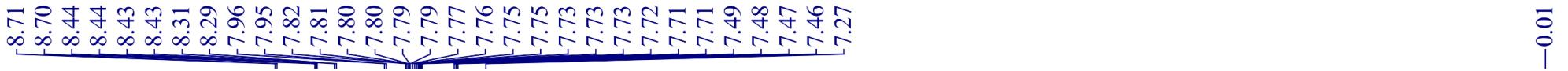


7.96
7.96
7.73
7.72
7.71
7.70
7.65
7.63
7.59
7.55
7.55
7.54
7.53
7.37
7.37
7.36
7.35
7.08
7.07
6.89
6.87
6.20
6.18
5.69
5.68

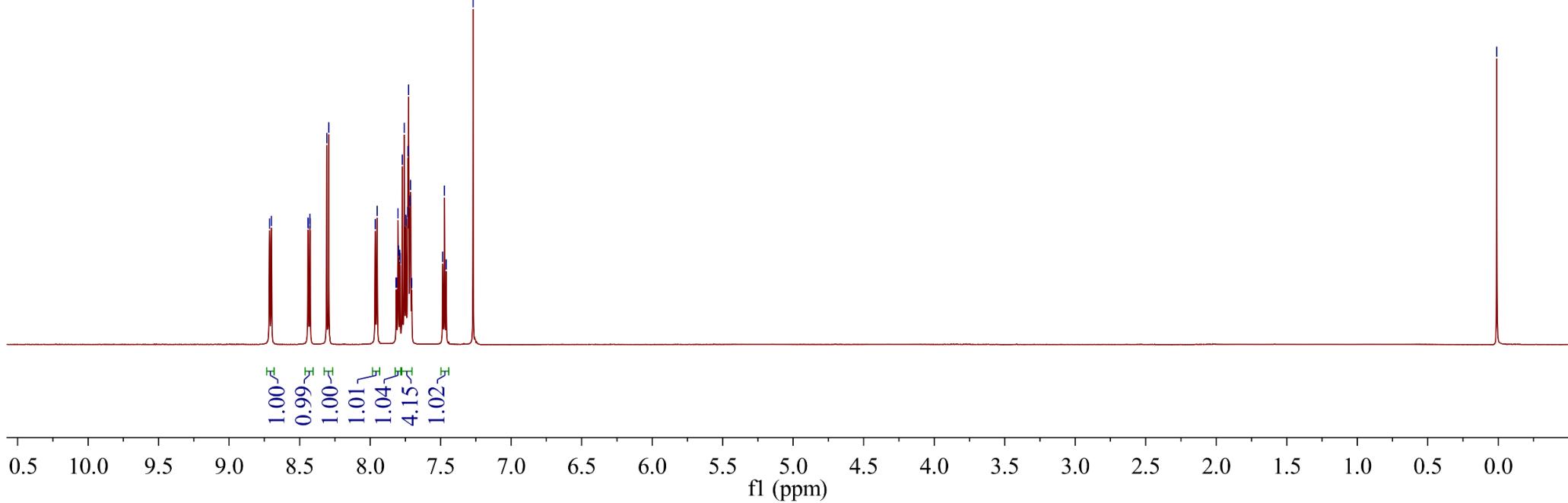
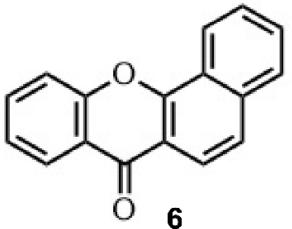
Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	297.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H





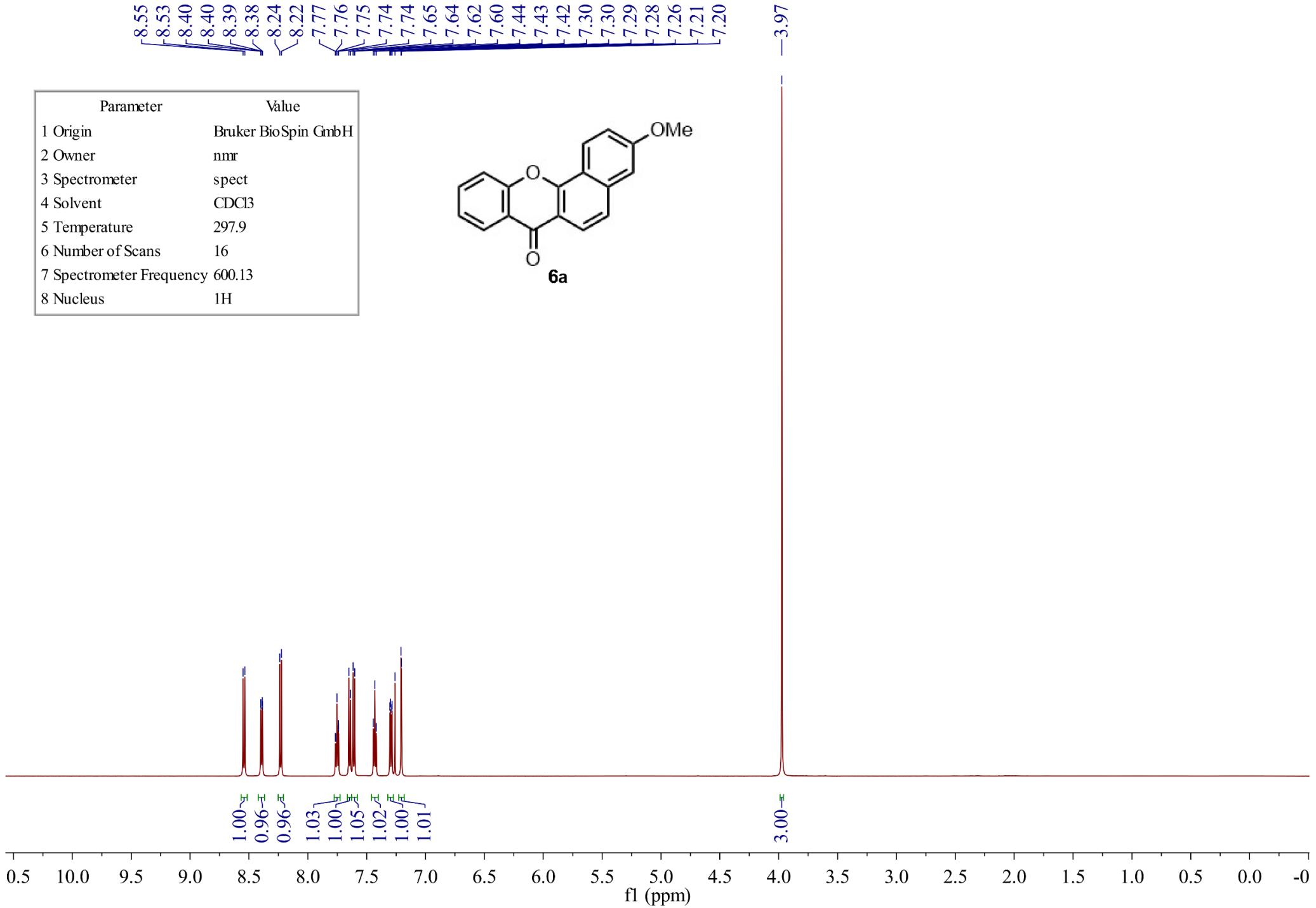


Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	CDCl ₃
5 Temperature	297.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H



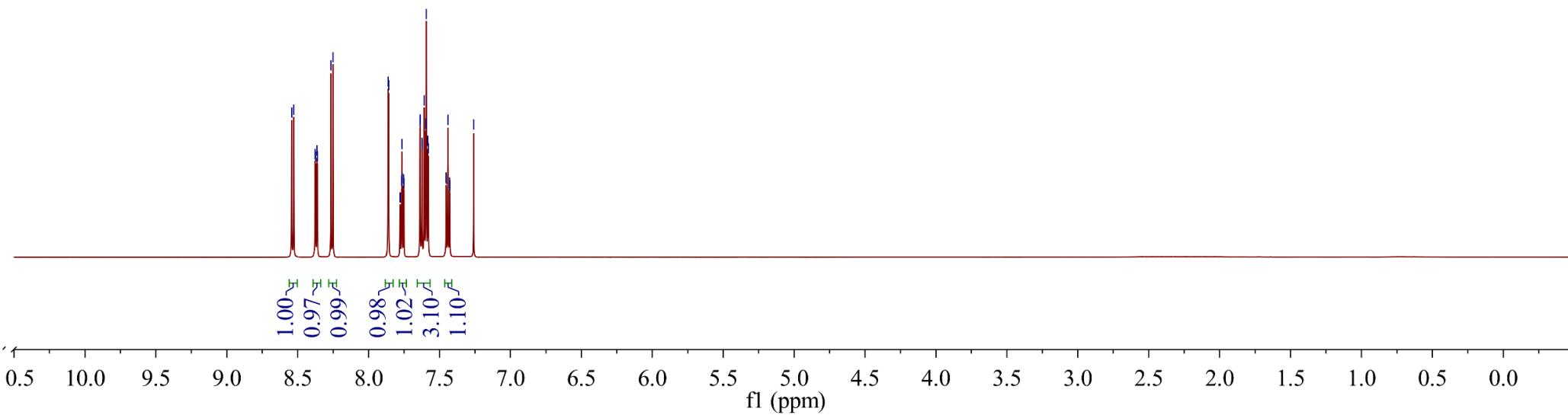
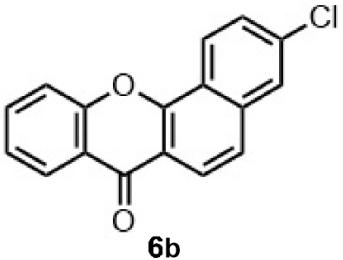


Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	CDCl ₃
5 Temperature	297.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H





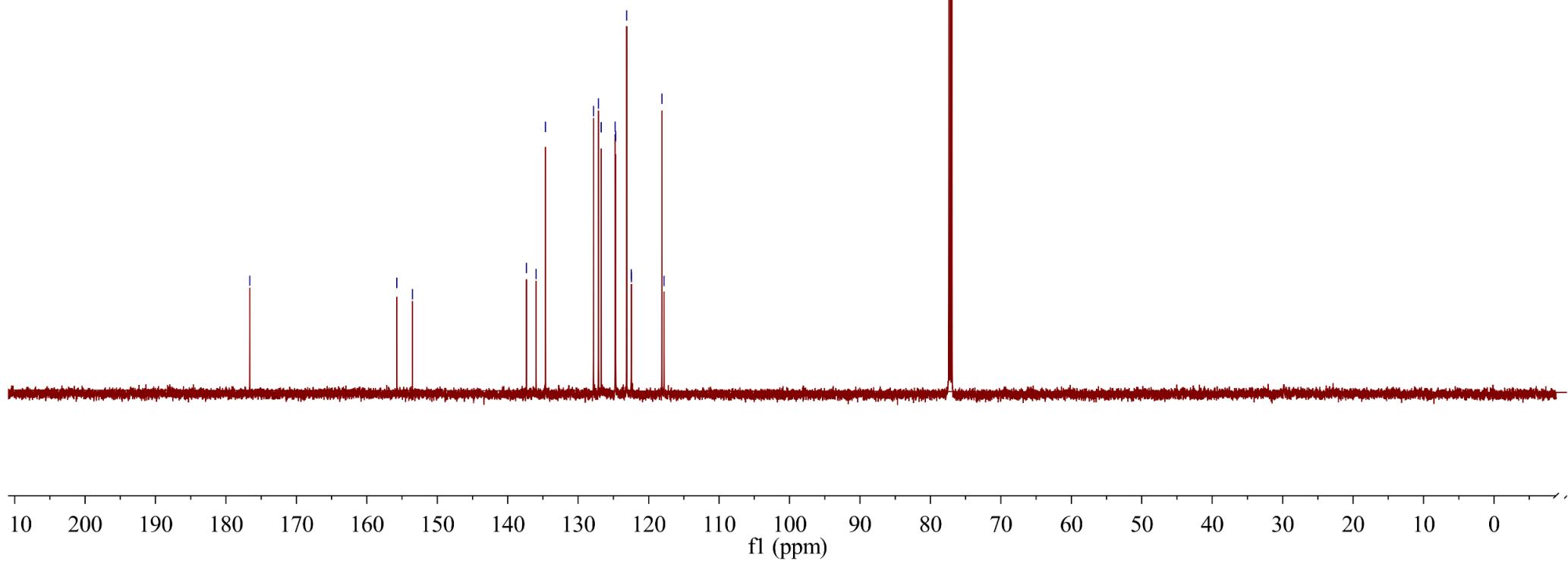
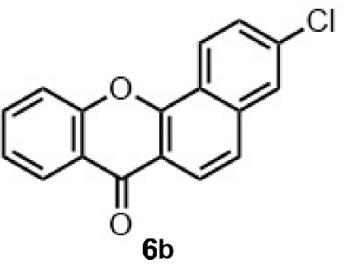
Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	CDCl ₃
5 Temperature	297.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H



-176.62

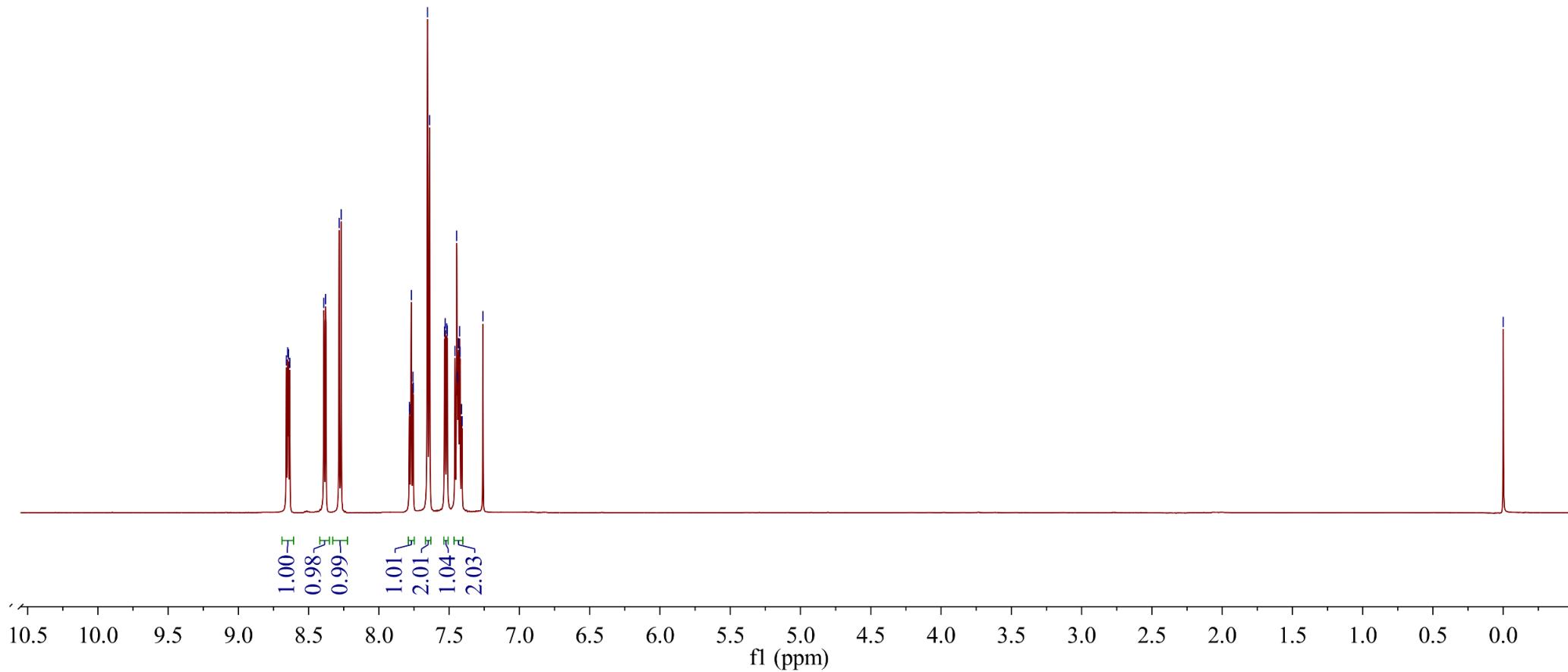
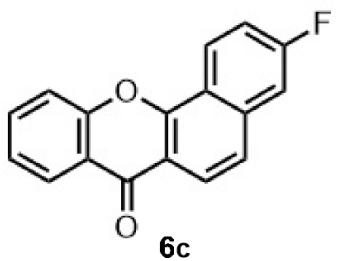
155.73
~153.51
137.35
135.96
134.64
127.83
127.13
126.73
124.74
124.66
123.12
122.48
122.43
118.12
117.80

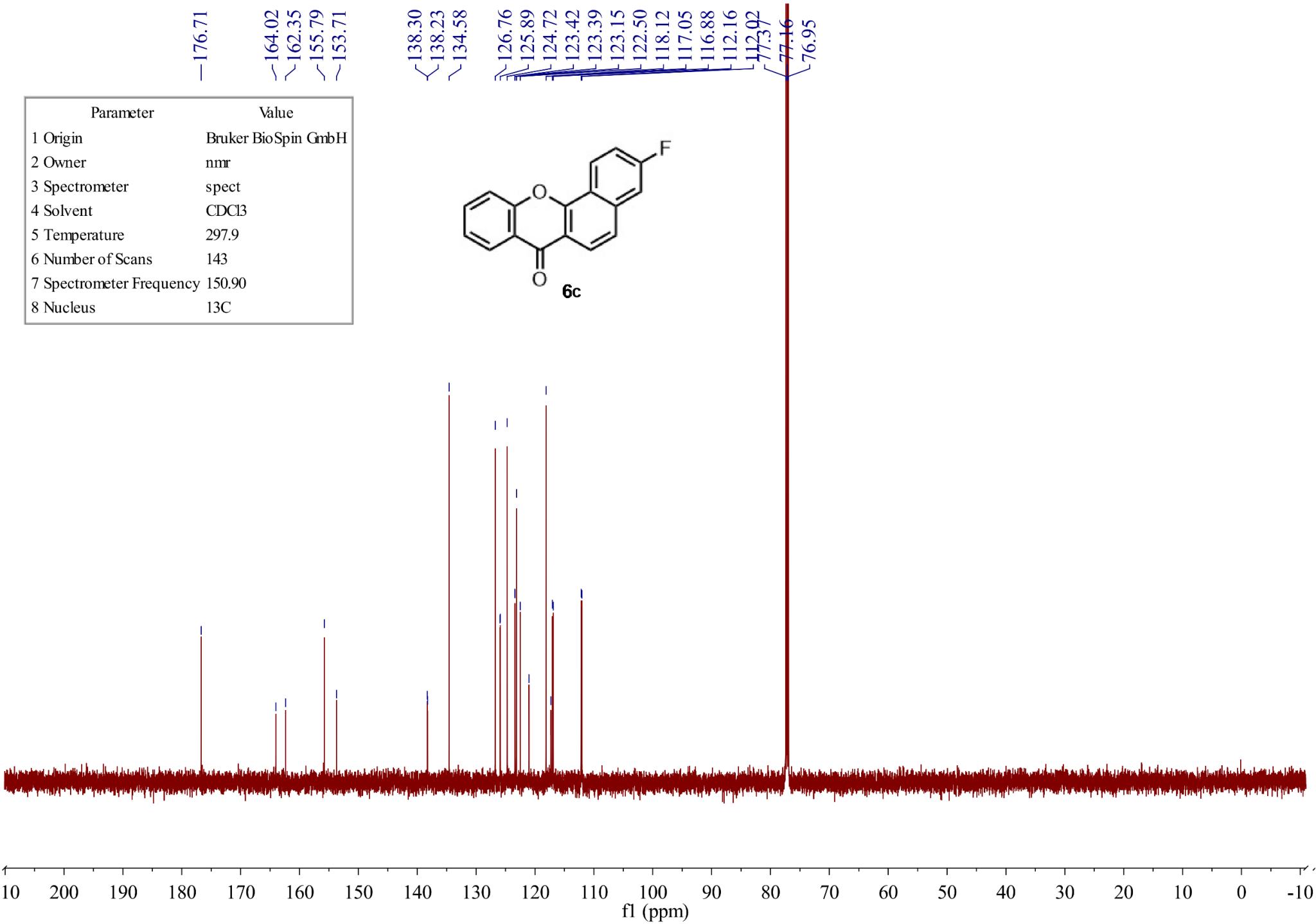
Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	CDCl ₃
5 Temperature	298.1
6 Number of Scans	255
7 Spectrometer Frequency	150.90
8 Nucleus	¹³ C





Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	CDCl ₃
5 Temperature	297.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H

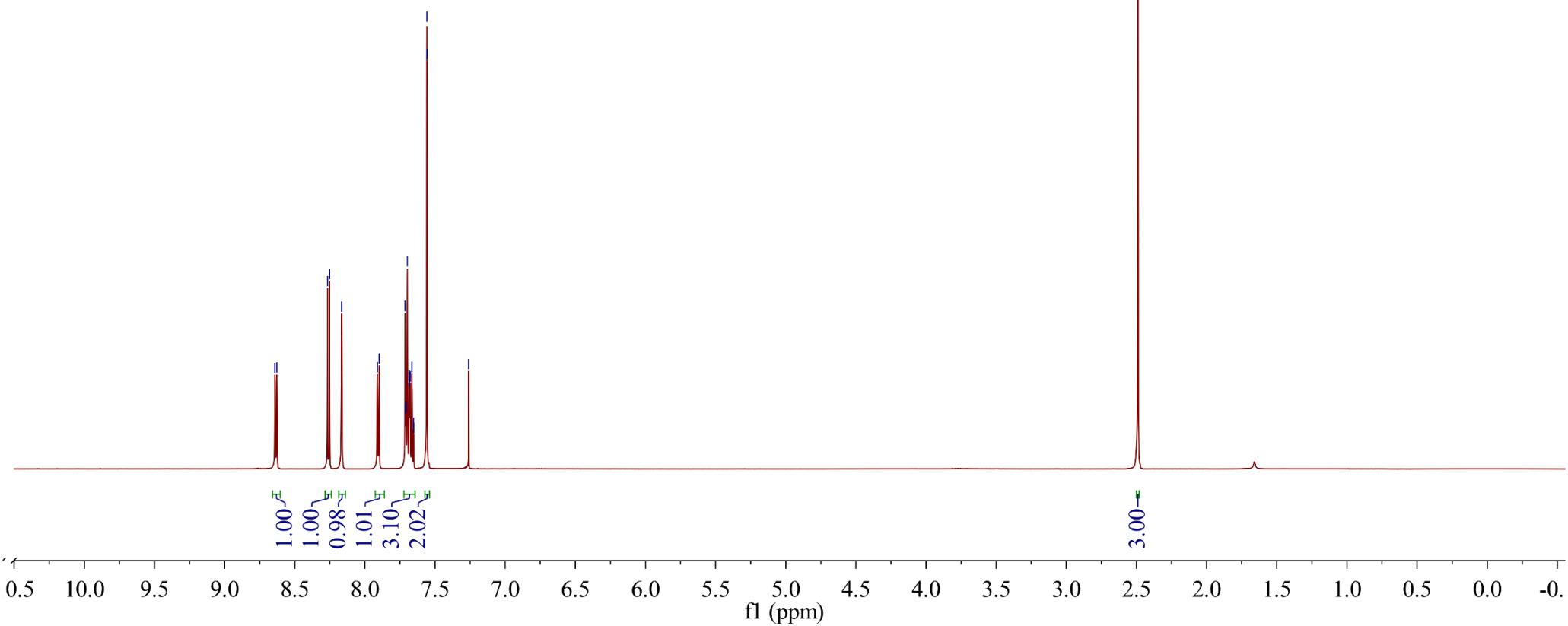
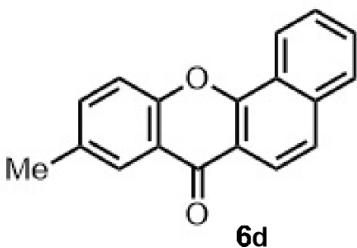


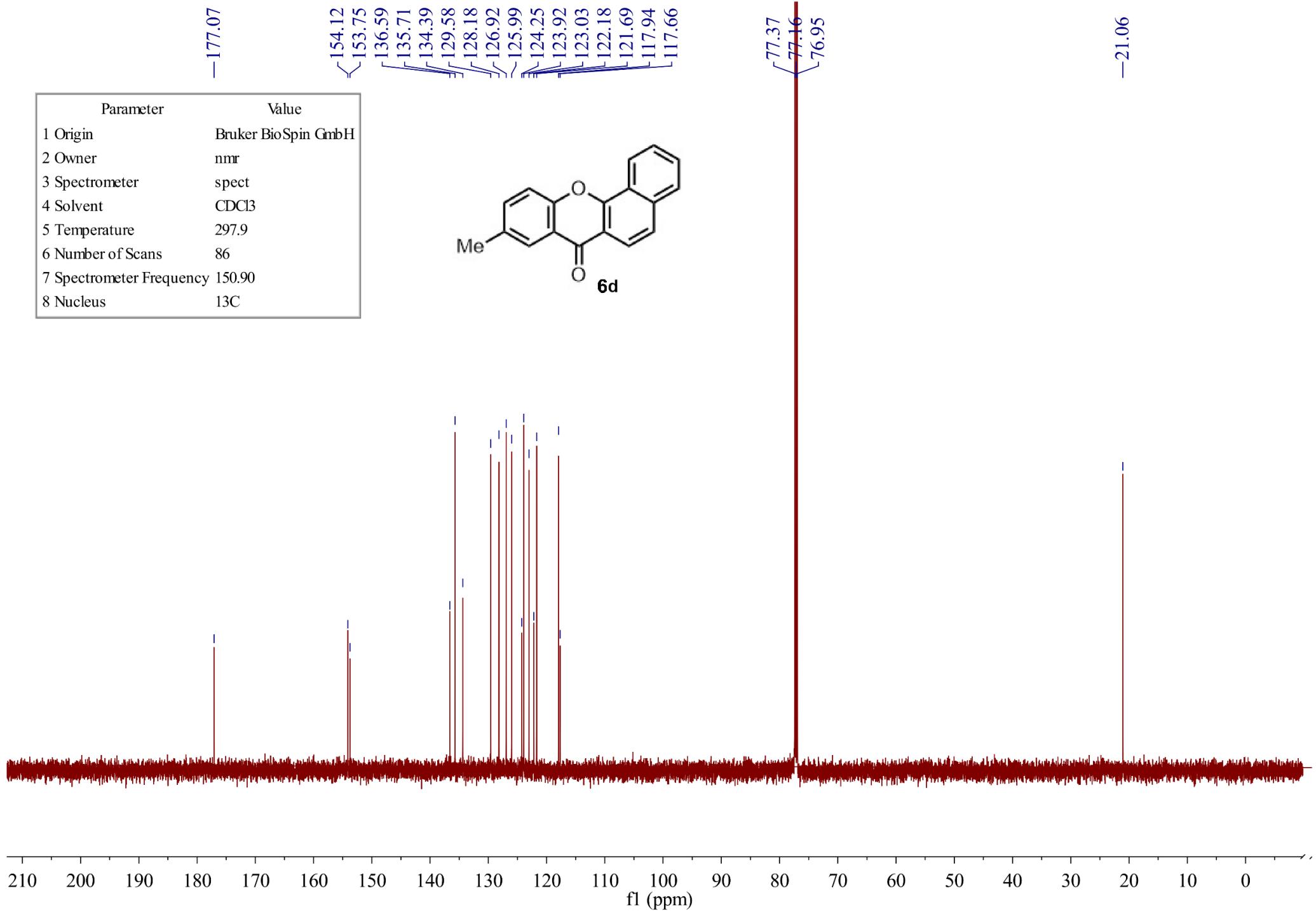


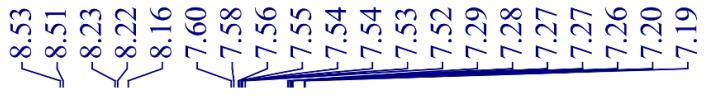
8.64
8.63
8.27
8.25
8.17
7.91
7.90
7.71
7.71
7.70
7.68
7.68
7.67
7.65
7.56
7.56
7.26

2.49

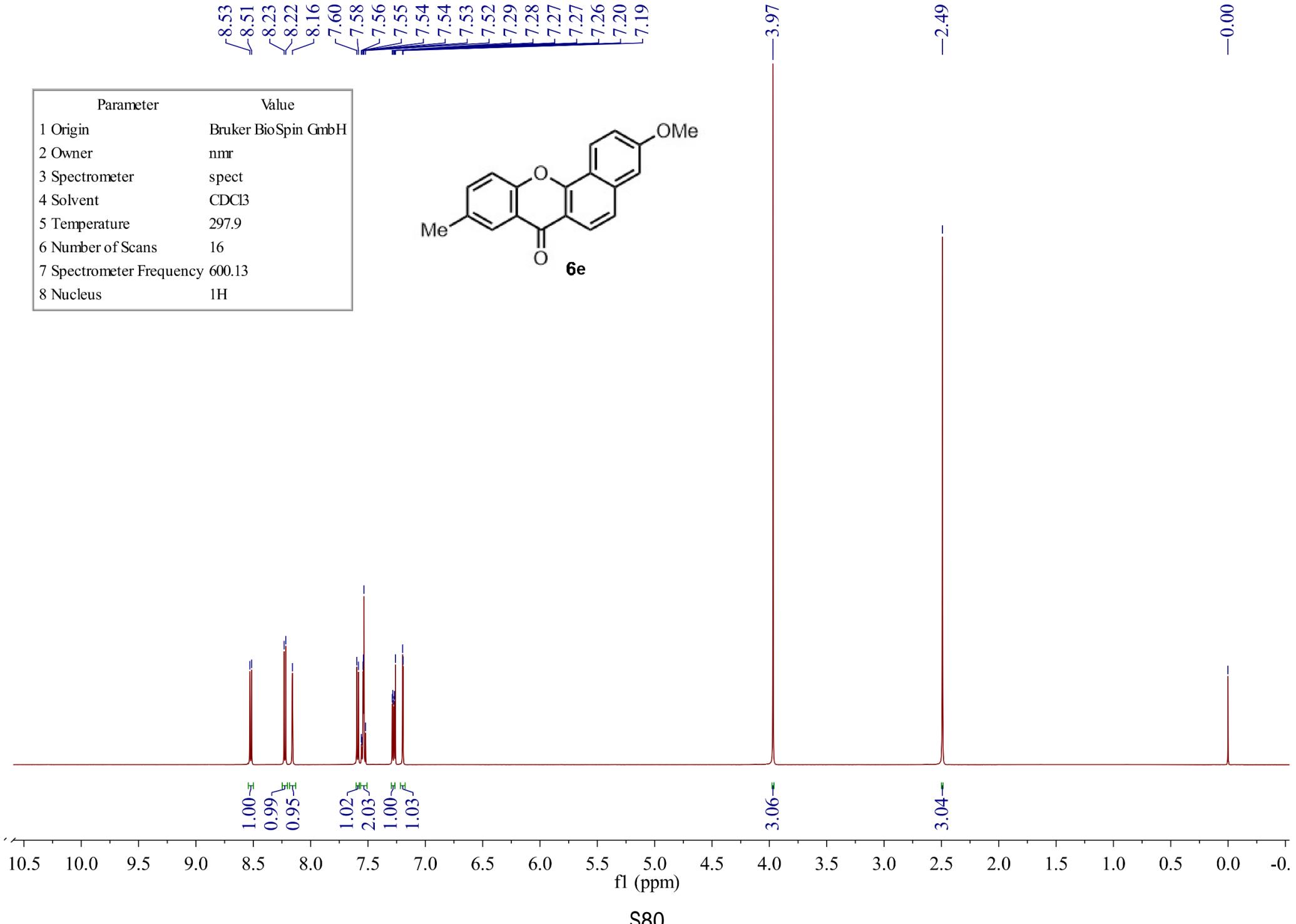
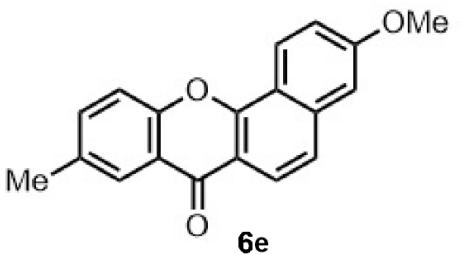
Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	CDCl ₃
5 Temperature	297.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H

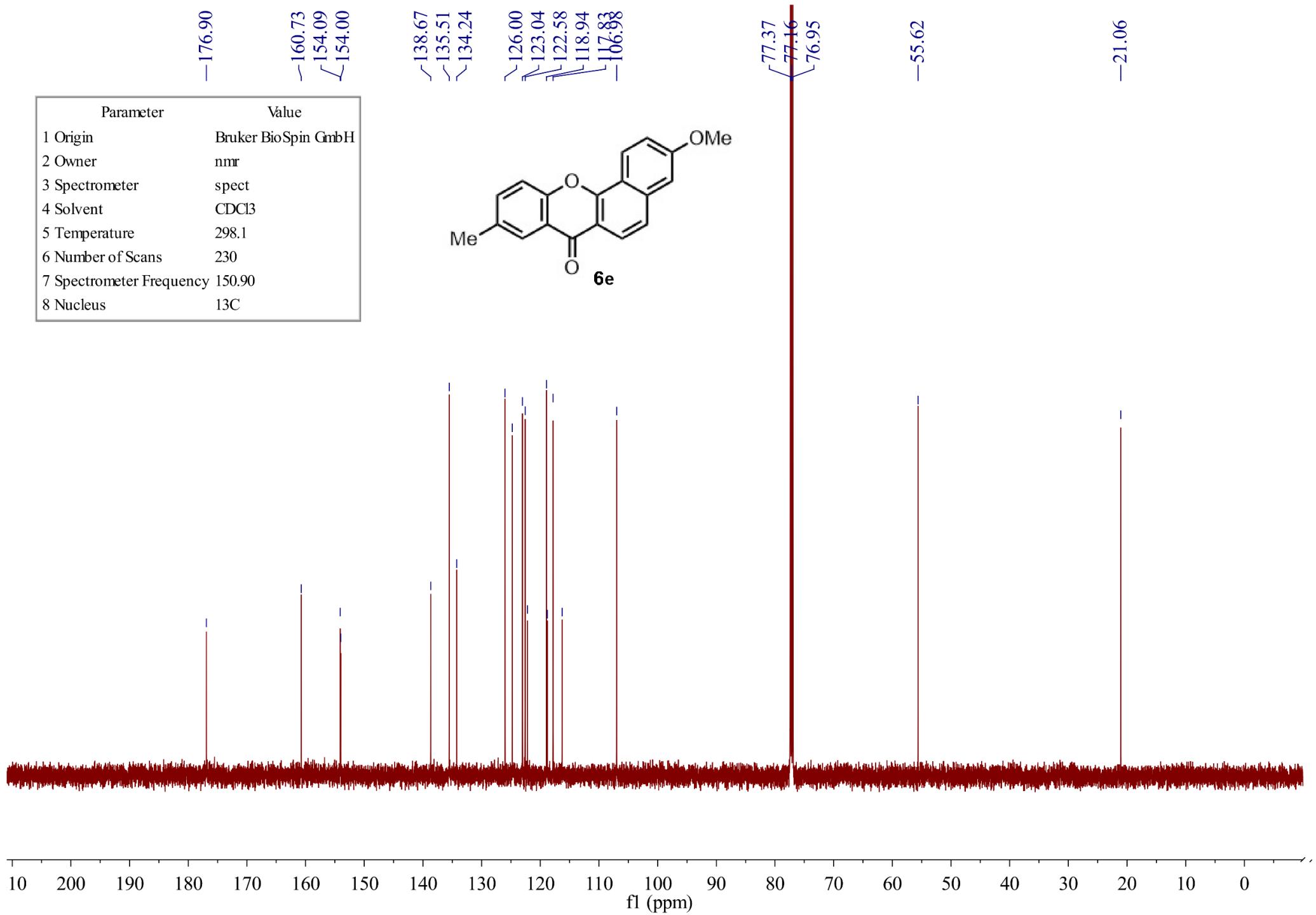






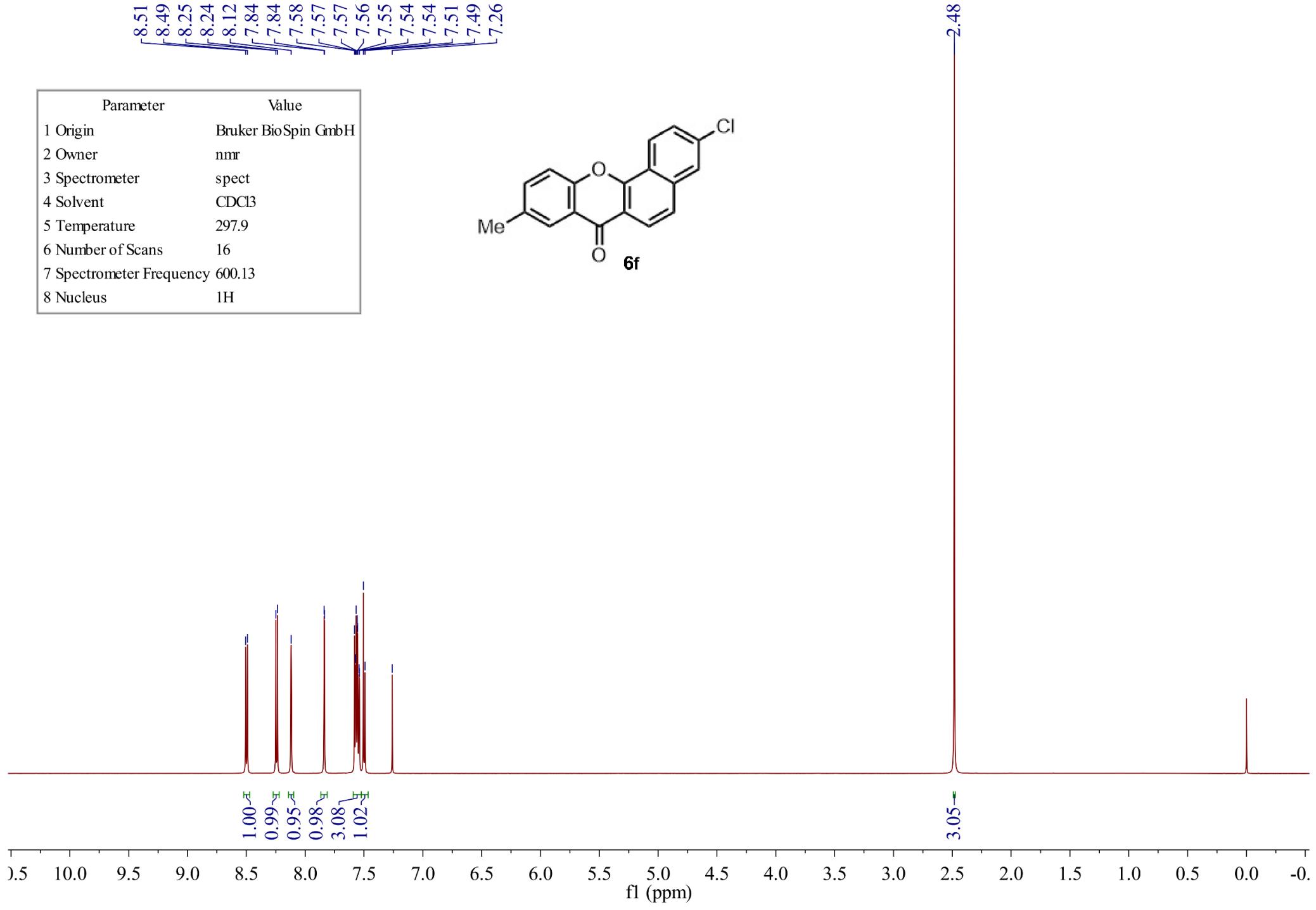
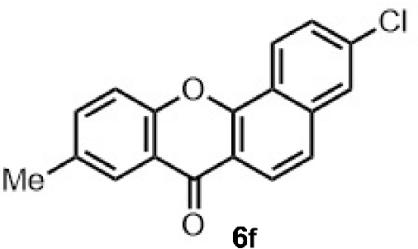
Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	CDCl ₃
5 Temperature	297.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H





8.51
8.49
8.25
8.24
8.12
7.84
7.84
7.58
7.57
7.57
7.56
7.55
7.54
7.54
7.51
7.49
7.26

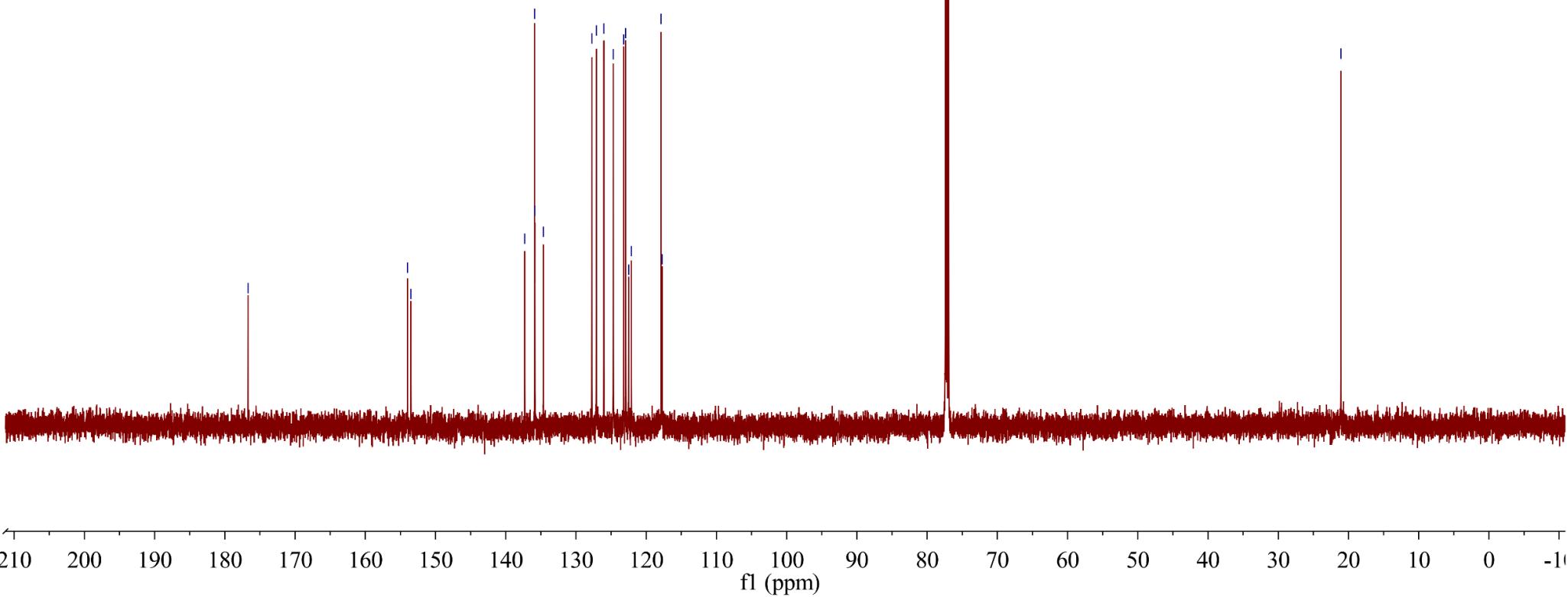
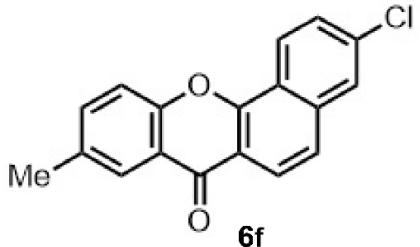
Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	CDCl ₃
5 Temperature	297.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H



-176.70

153.99
153.50
137.30
135.88
135.85
134.65
127.74
127.10
126.03
124.69
123.20
122.92
122.50
122.10
117.88
117.74

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	CDCl ₃
5 Temperature	297.9
6 Number of Scans	289
7 Spectrometer Frequency	150.90
8 Nucleus	¹³ C

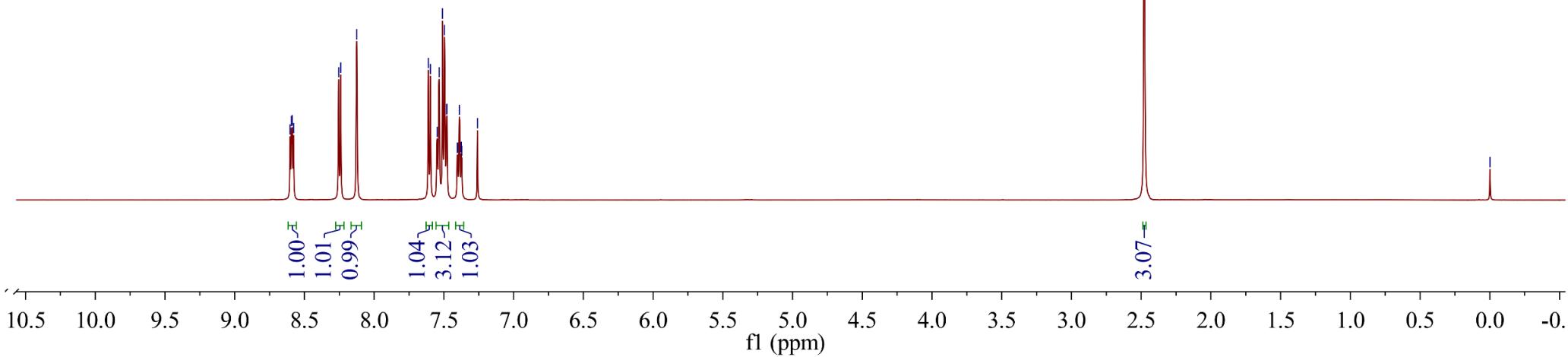
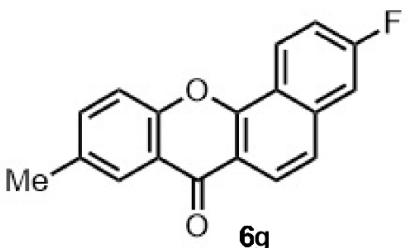


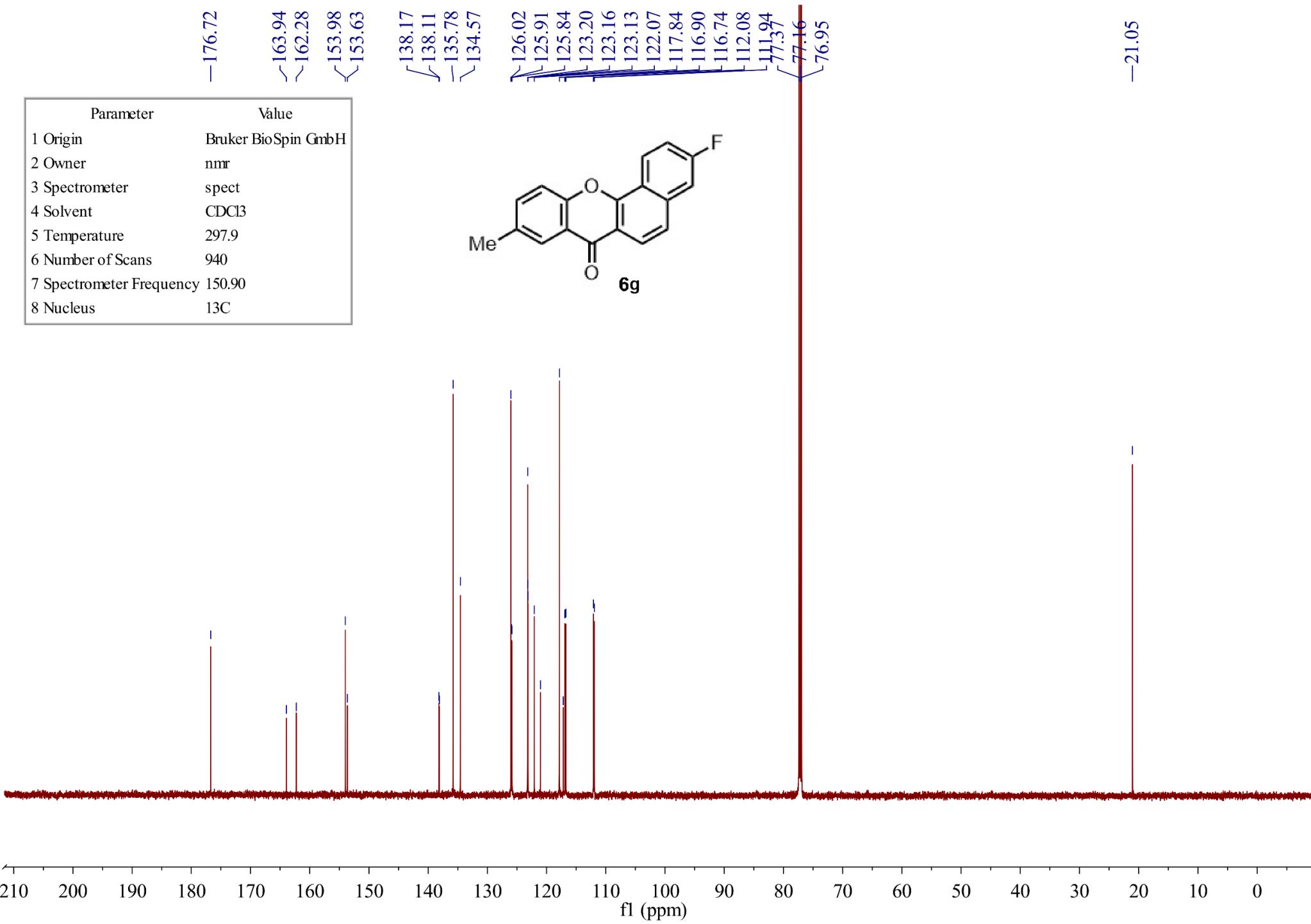
8.60
8.59
8.59
8.58
8.25
8.24
8.13
7.61
7.60
7.55
7.53
7.51
7.50
7.48
7.48
7.40
7.39
7.38
7.37
7.26

-2.48

-0.00

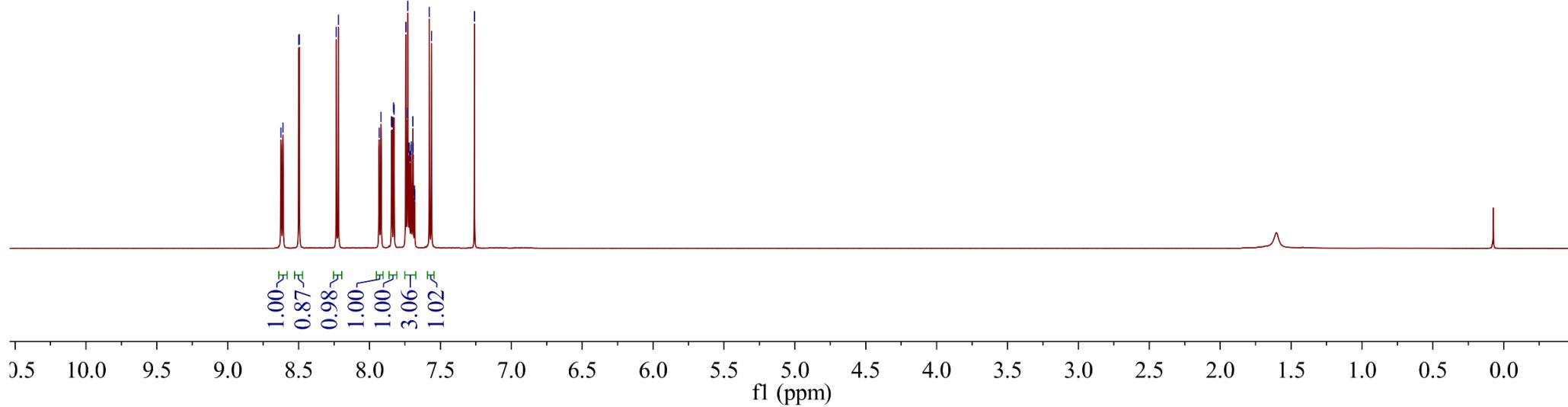
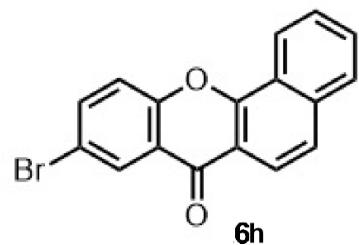
Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	CDCl ₃
5 Temperature	297.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H







Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	CDCl ₃
5 Temperature	297.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H

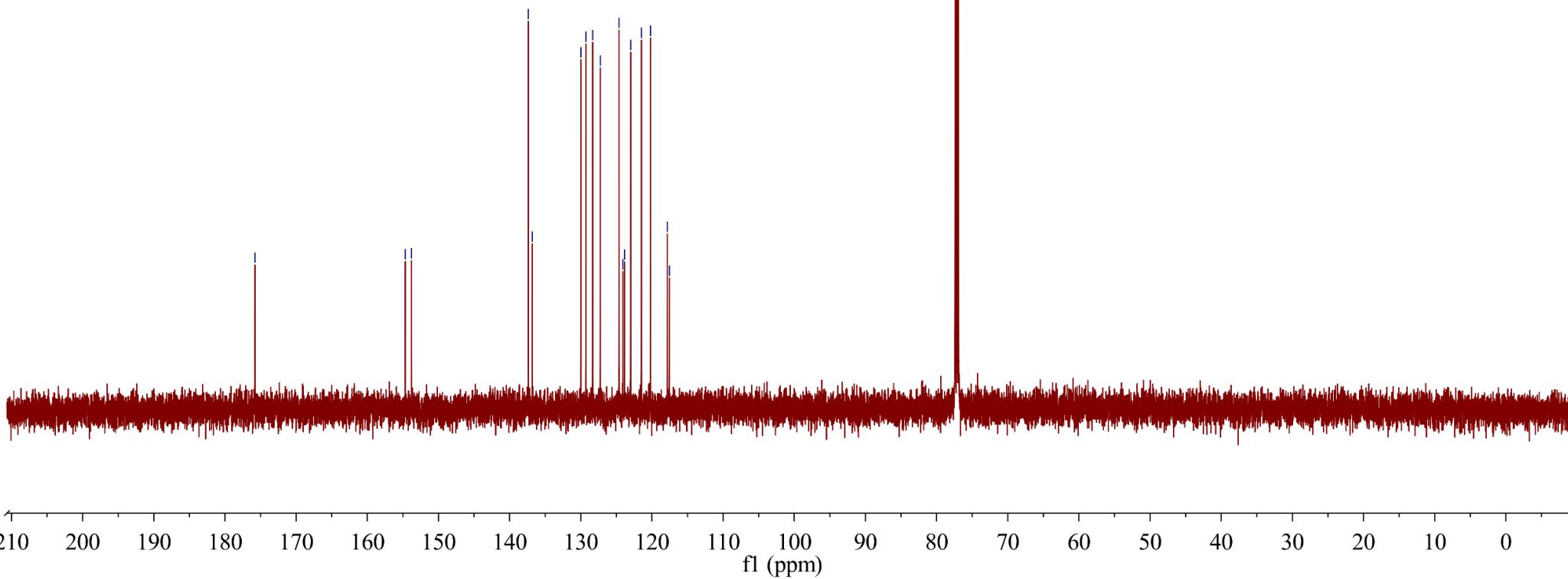
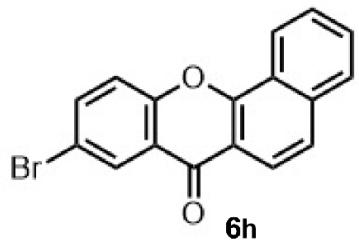


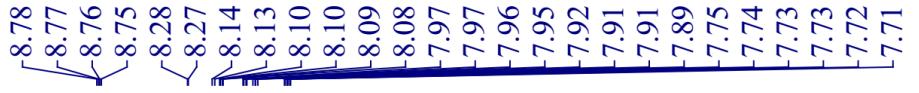
Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	CDCl ₃
5 Temperature	297.9
6 Number of Scans	204
7 Spectrometer Frequency	150.90
8 Nucleus	¹³ C

-175.79

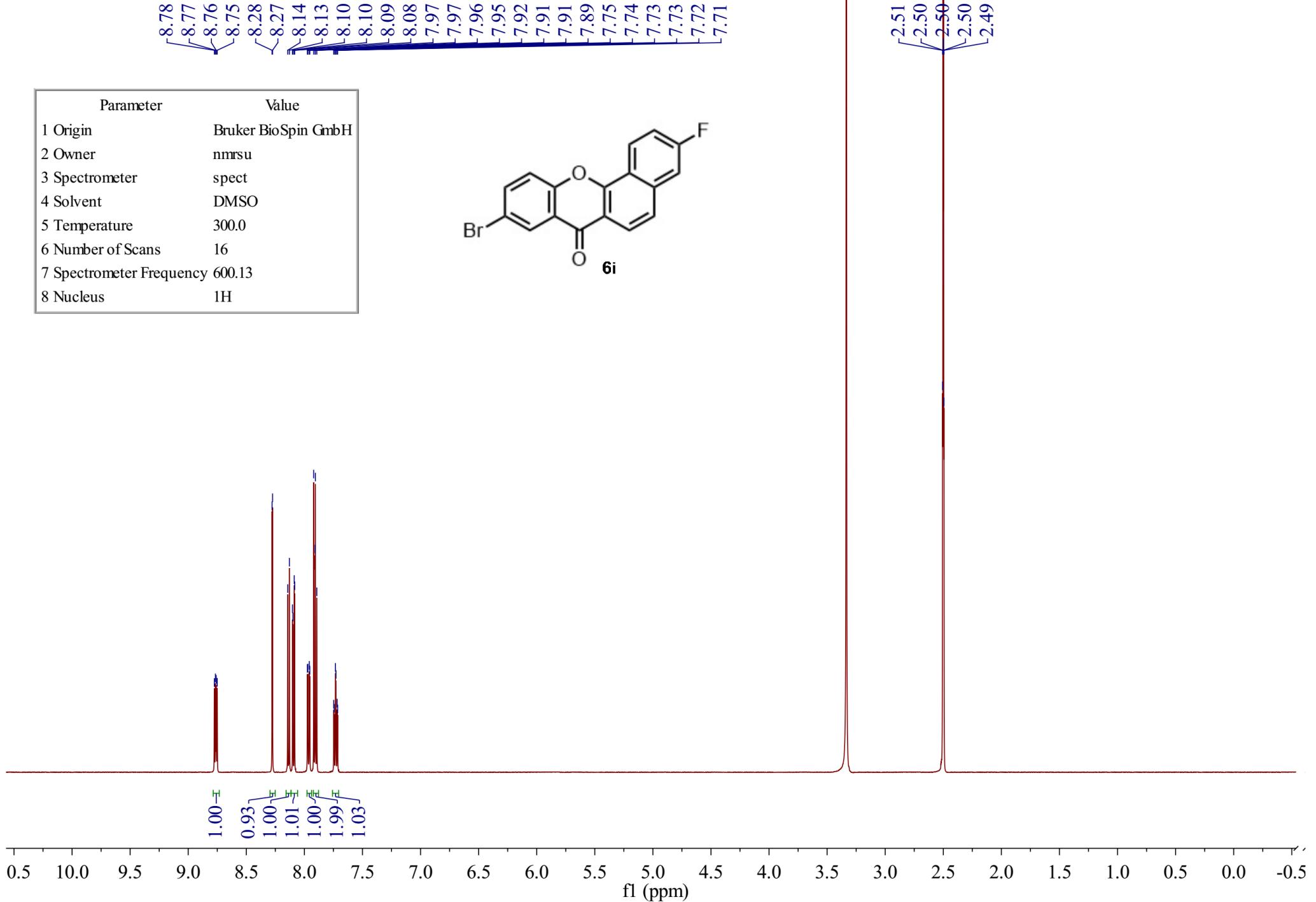
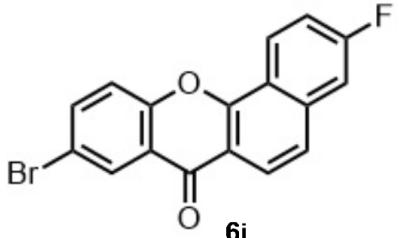
154.66
153.78
137.38
136.81
129.99
129.28
128.33
127.26
124.61
124.07
123.85
122.99
121.48
120.20
117.84
117.56

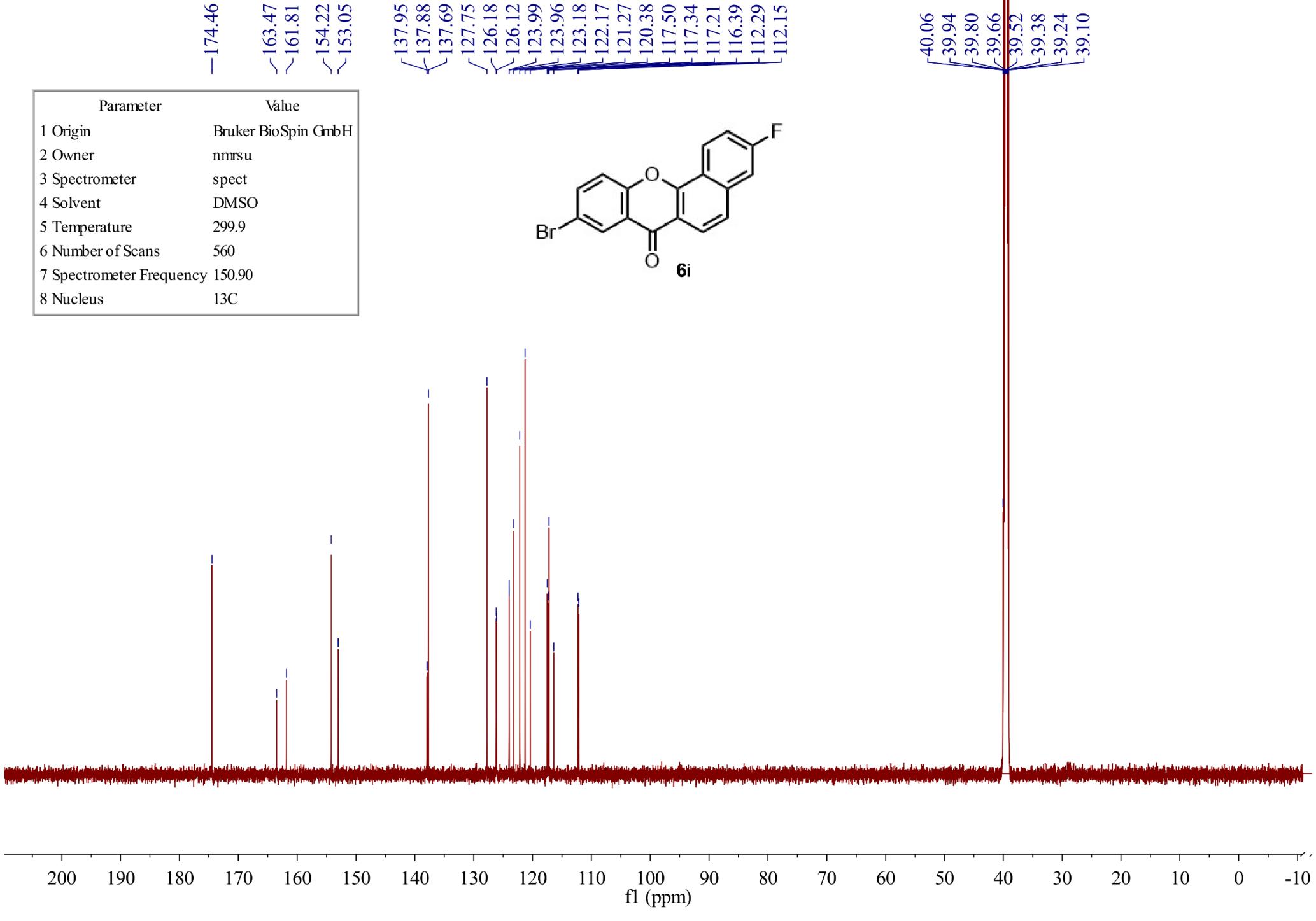
77.37
77.16
76.95





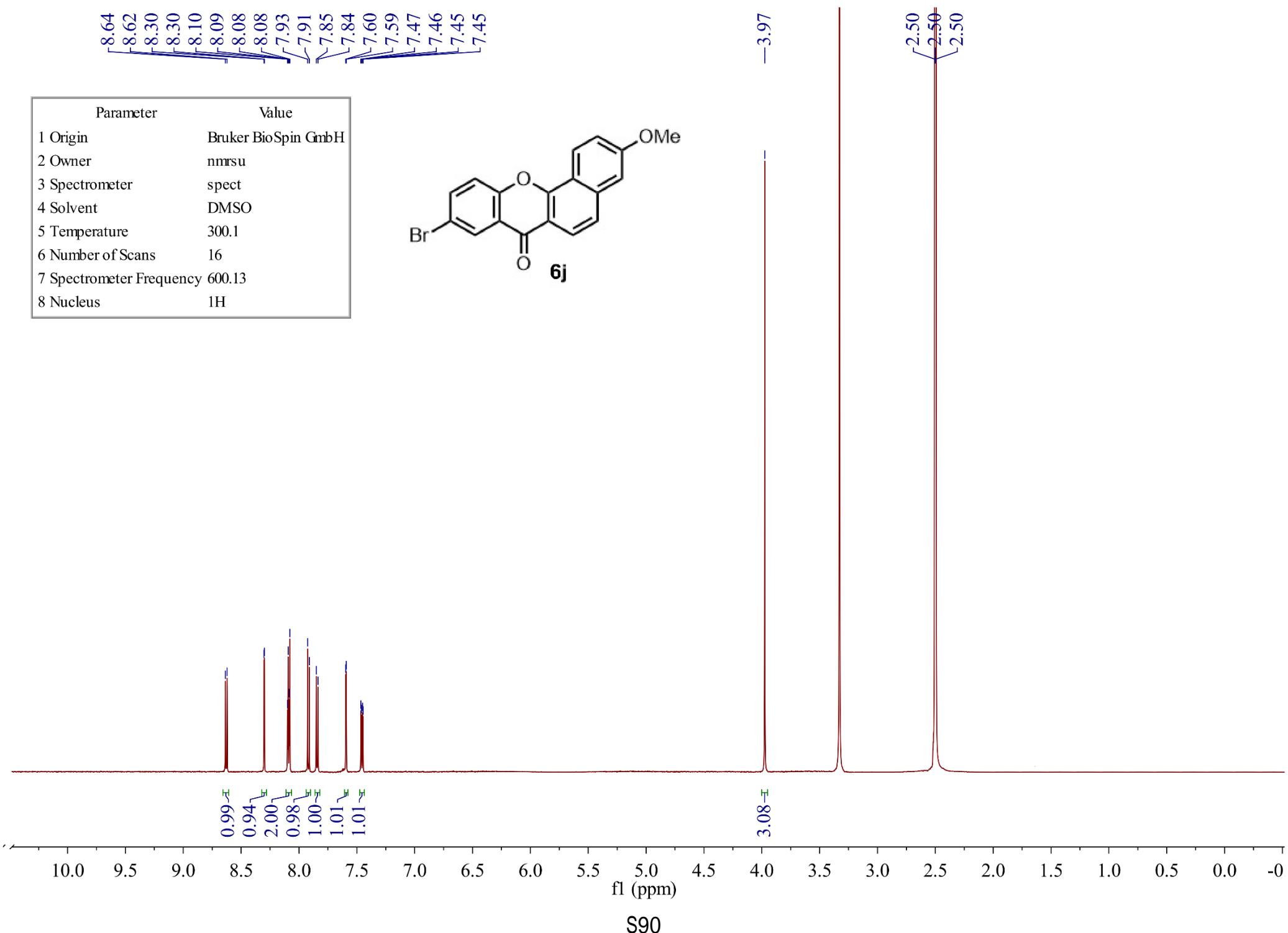
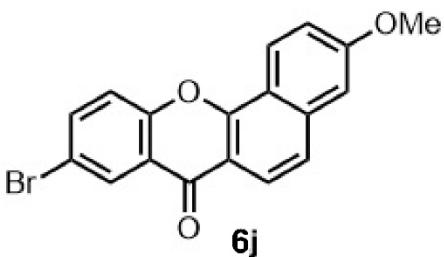
Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmrsu
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	300.0
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H

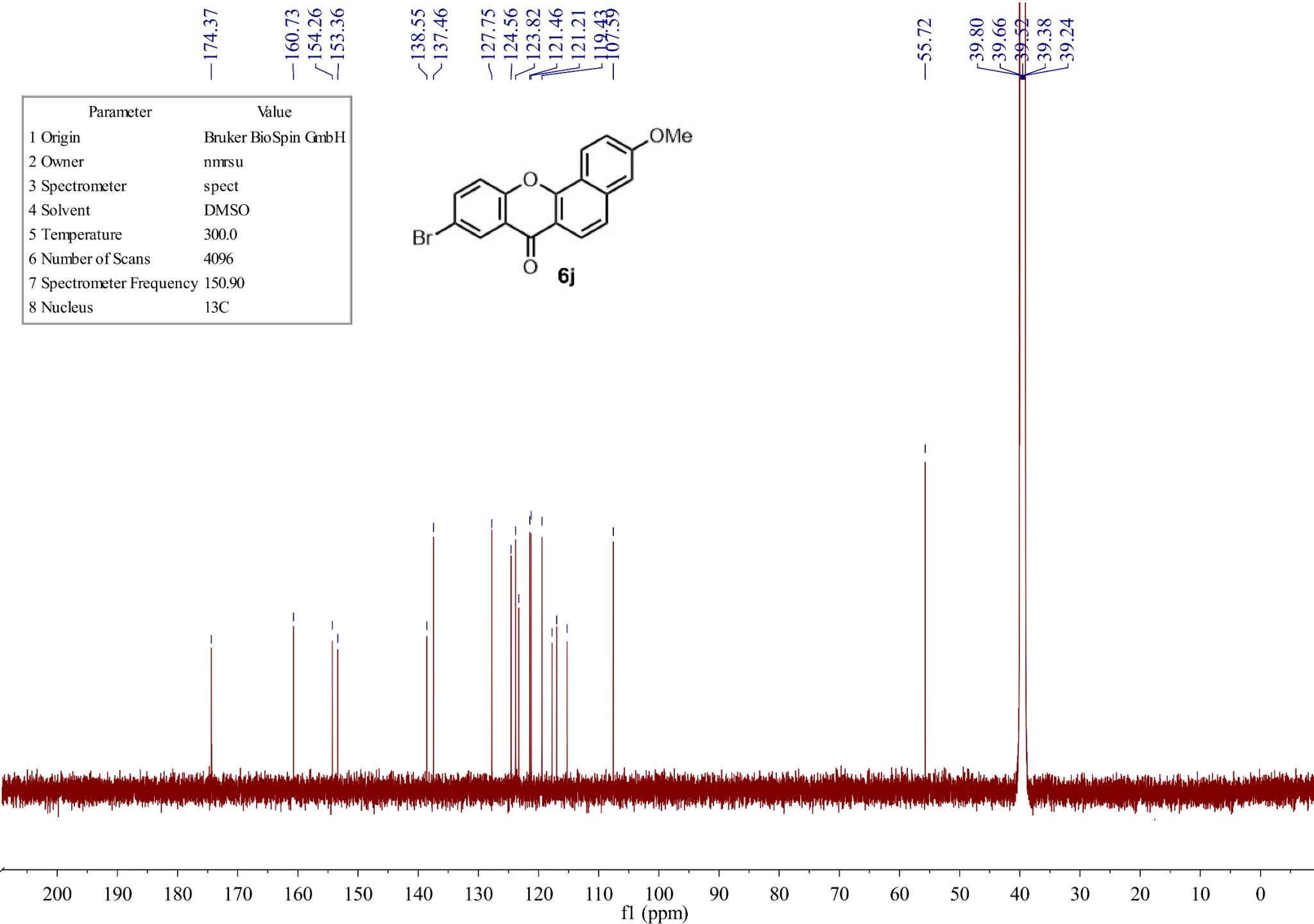


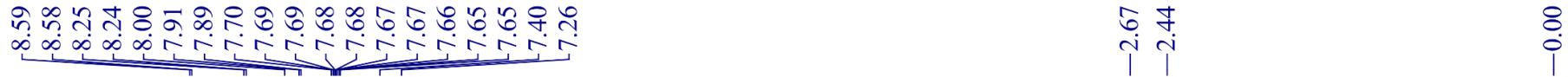


8.64
8.62
8.30
8.30
8.10
8.09
8.08
8.08
7.93
7.91
7.85
7.84
7.60
7.59
7.47
7.46
7.45

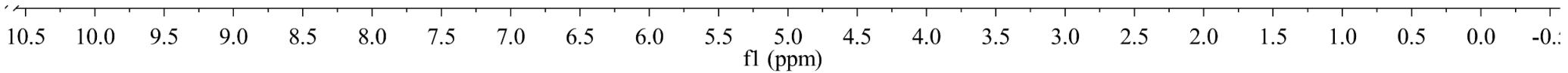
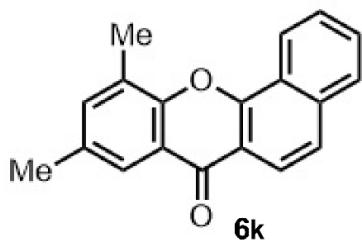
Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmrsu
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	300.1
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H

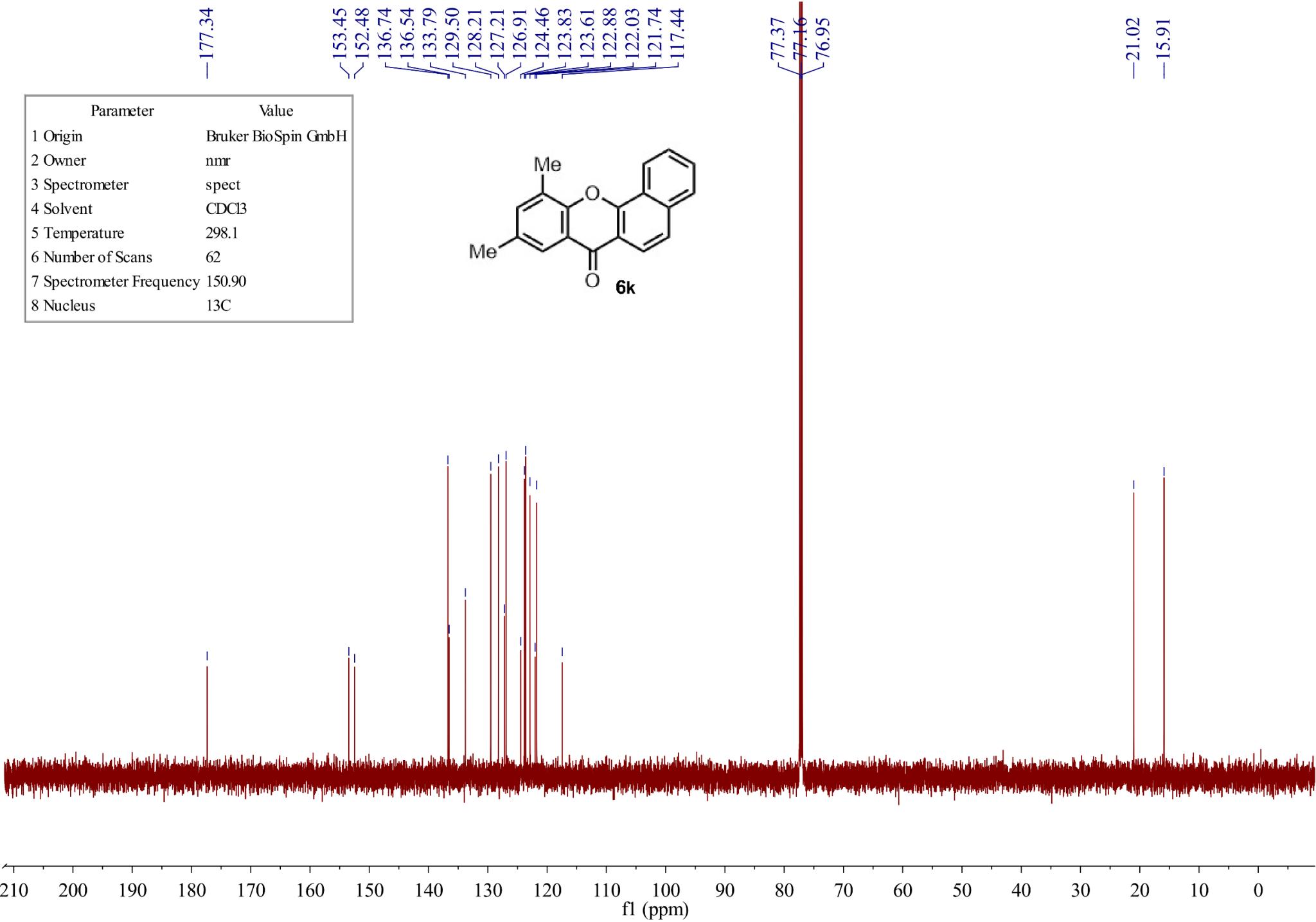




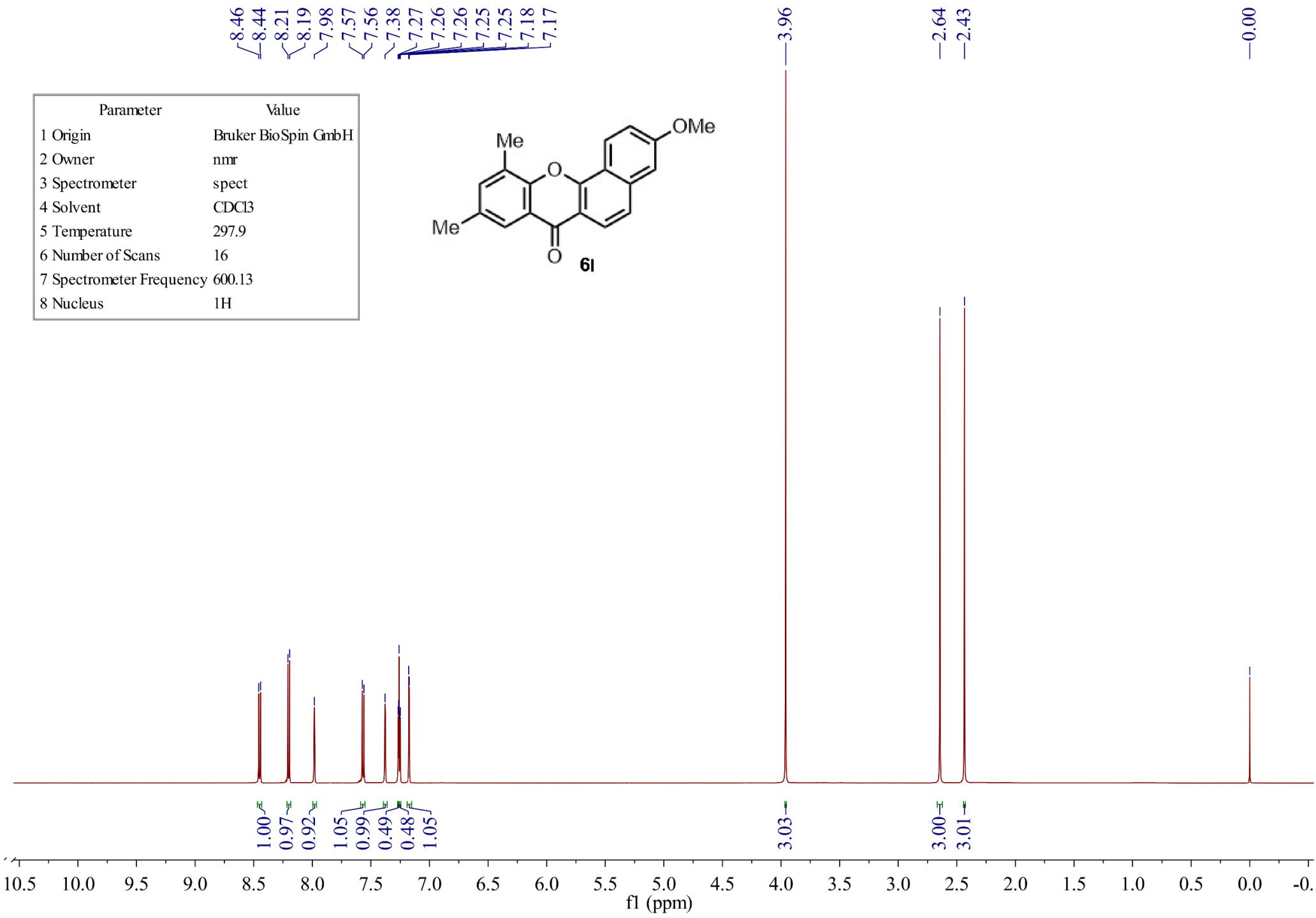
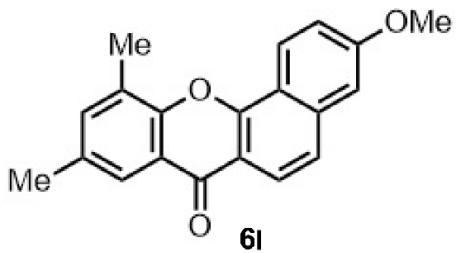


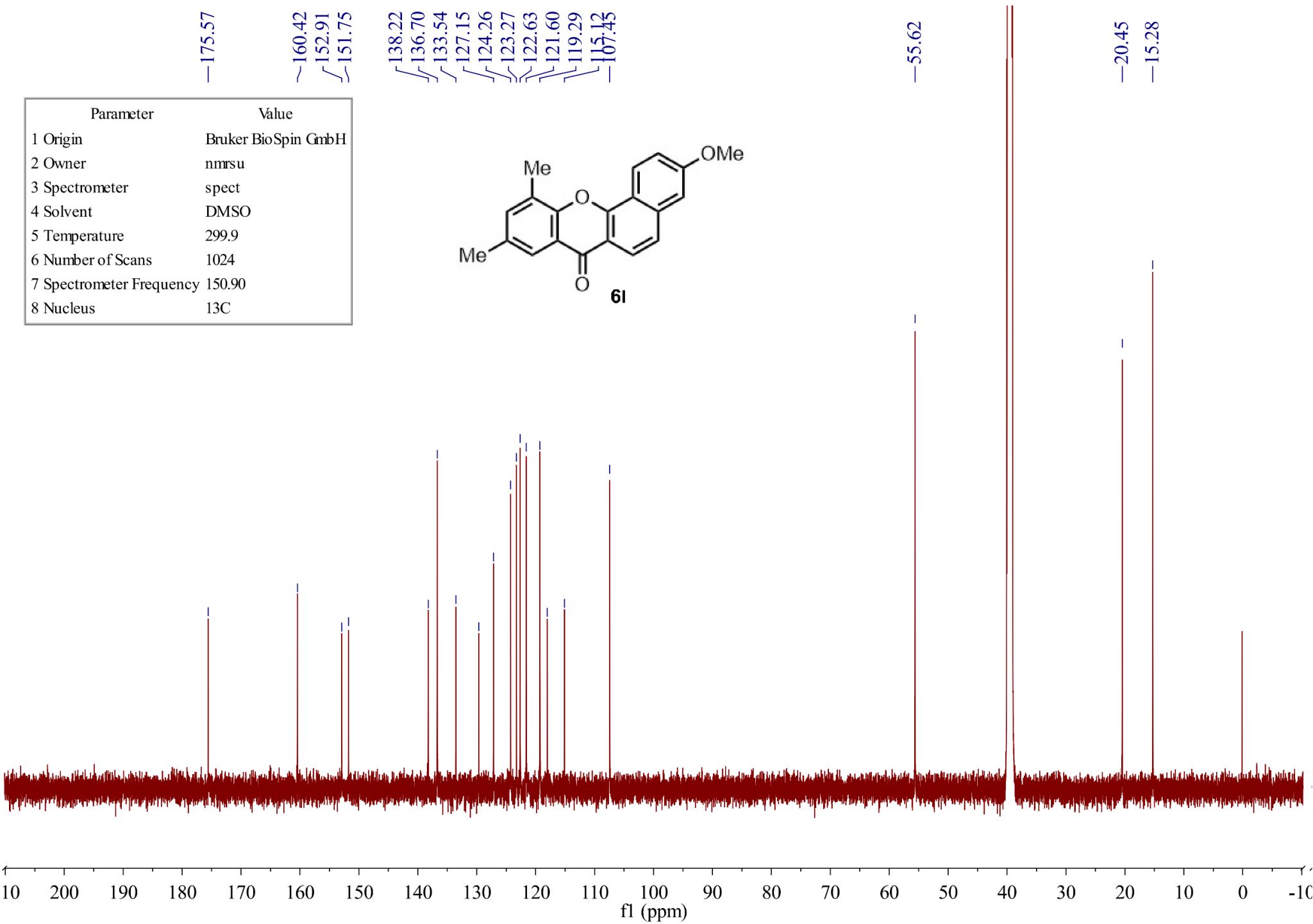
Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	CDCl ₃
5 Temperature	297.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H





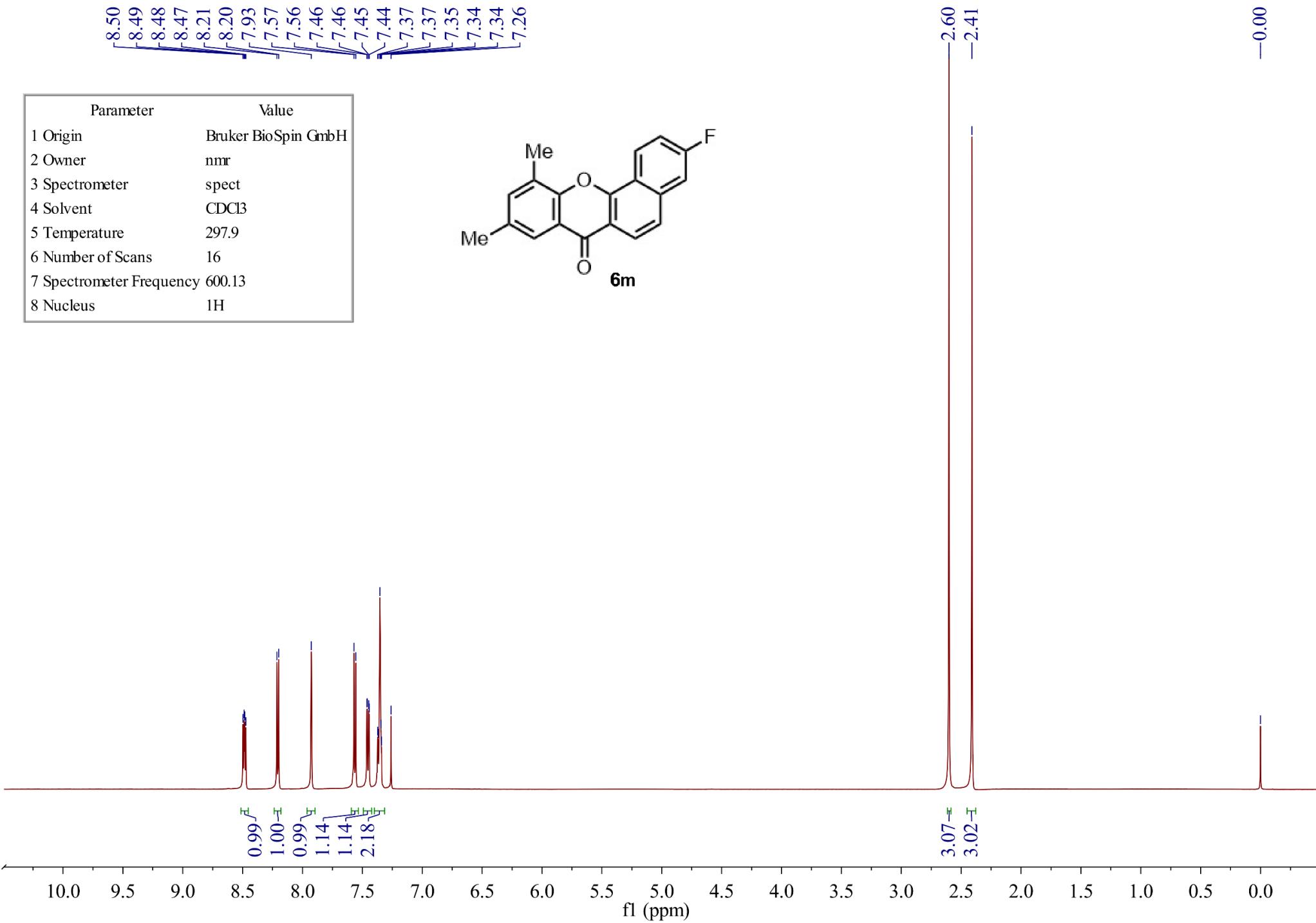
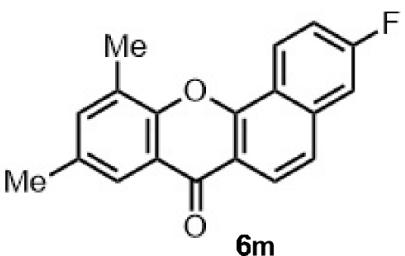
Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	CDCl ₃
5 Temperature	297.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H

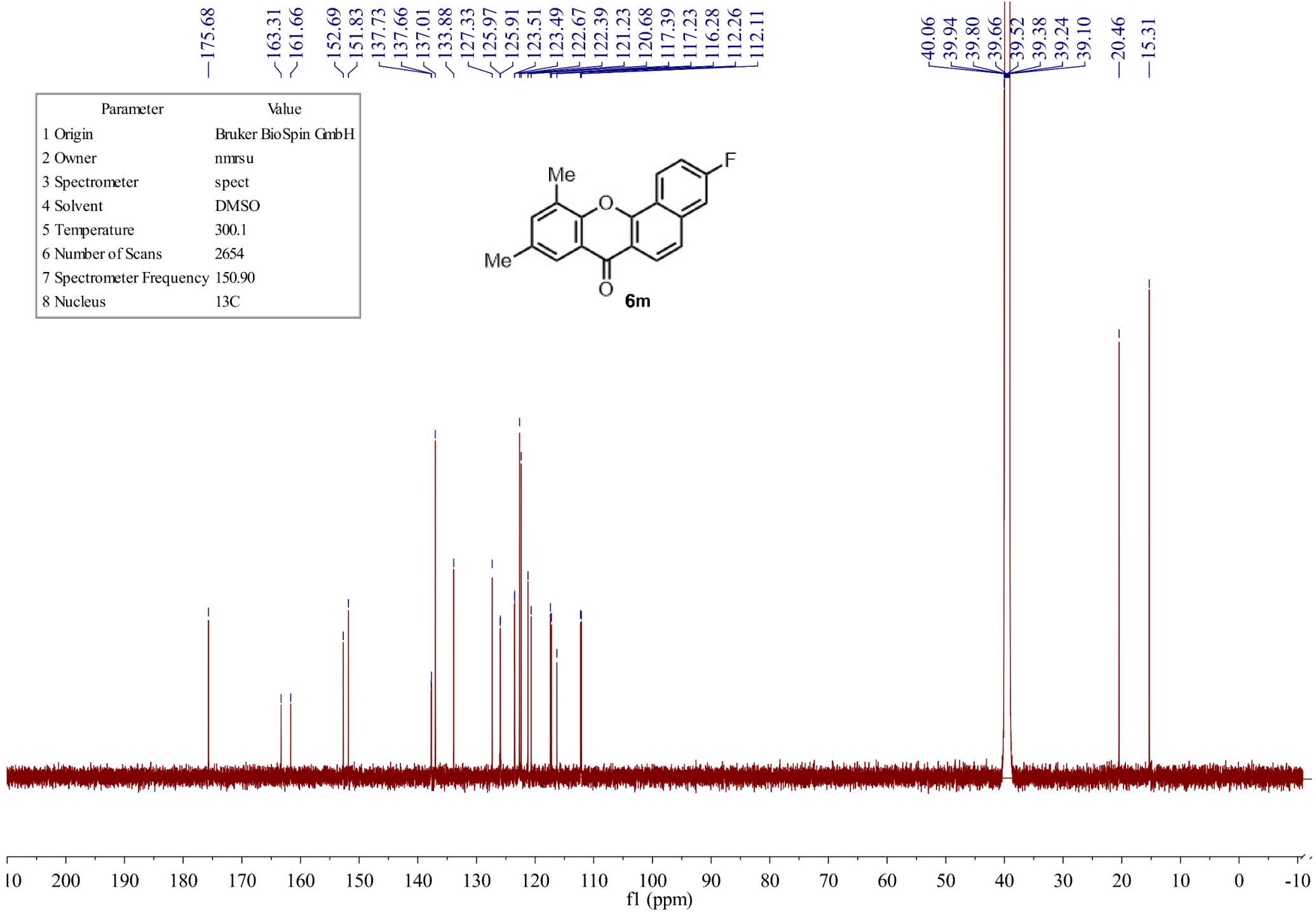






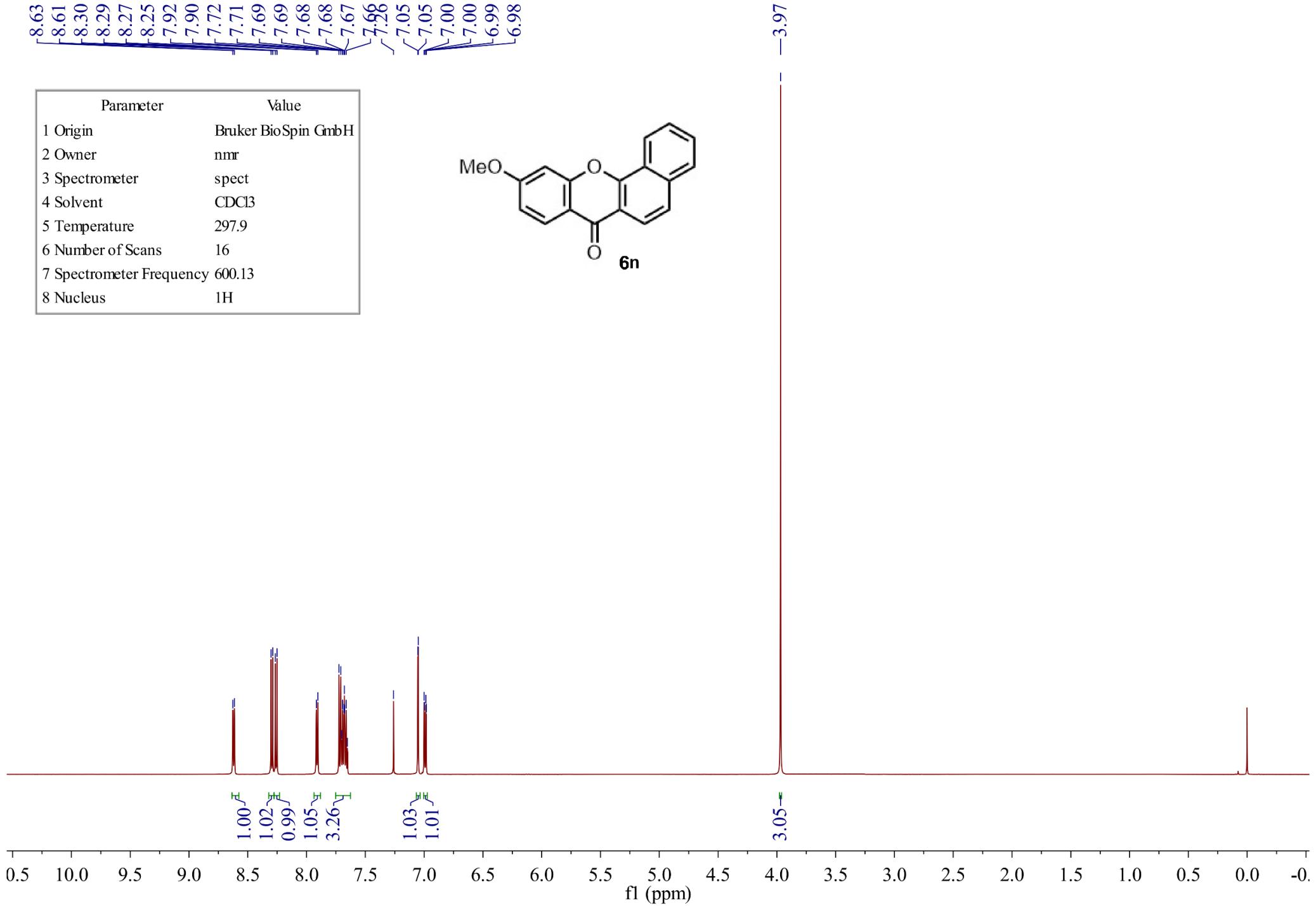
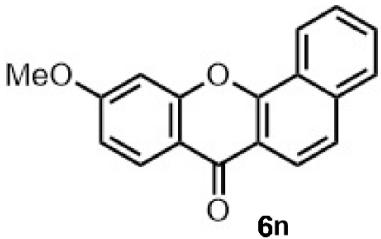
Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	CDCl ₃
5 Temperature	297.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H

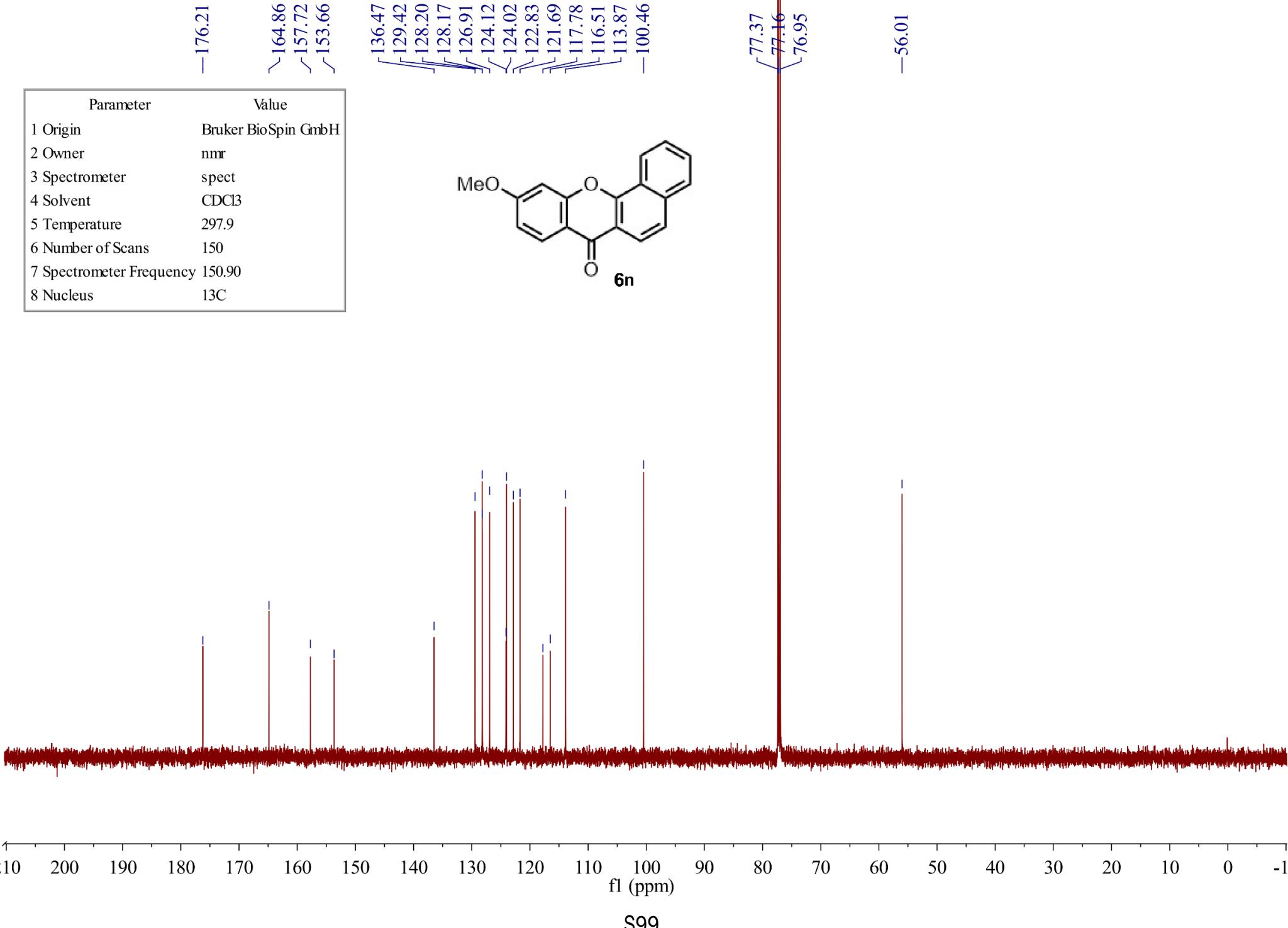


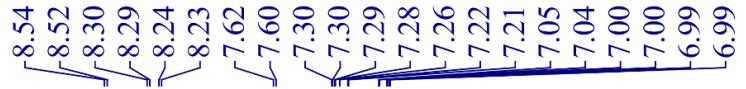


8.63
8.61
8.30
8.29
8.27
8.25
7.92
7.90
7.72
7.71
7.69
7.68
7.68
7.67
7.66
7.58
7.05
7.05
7.00
7.00
6.99
6.98

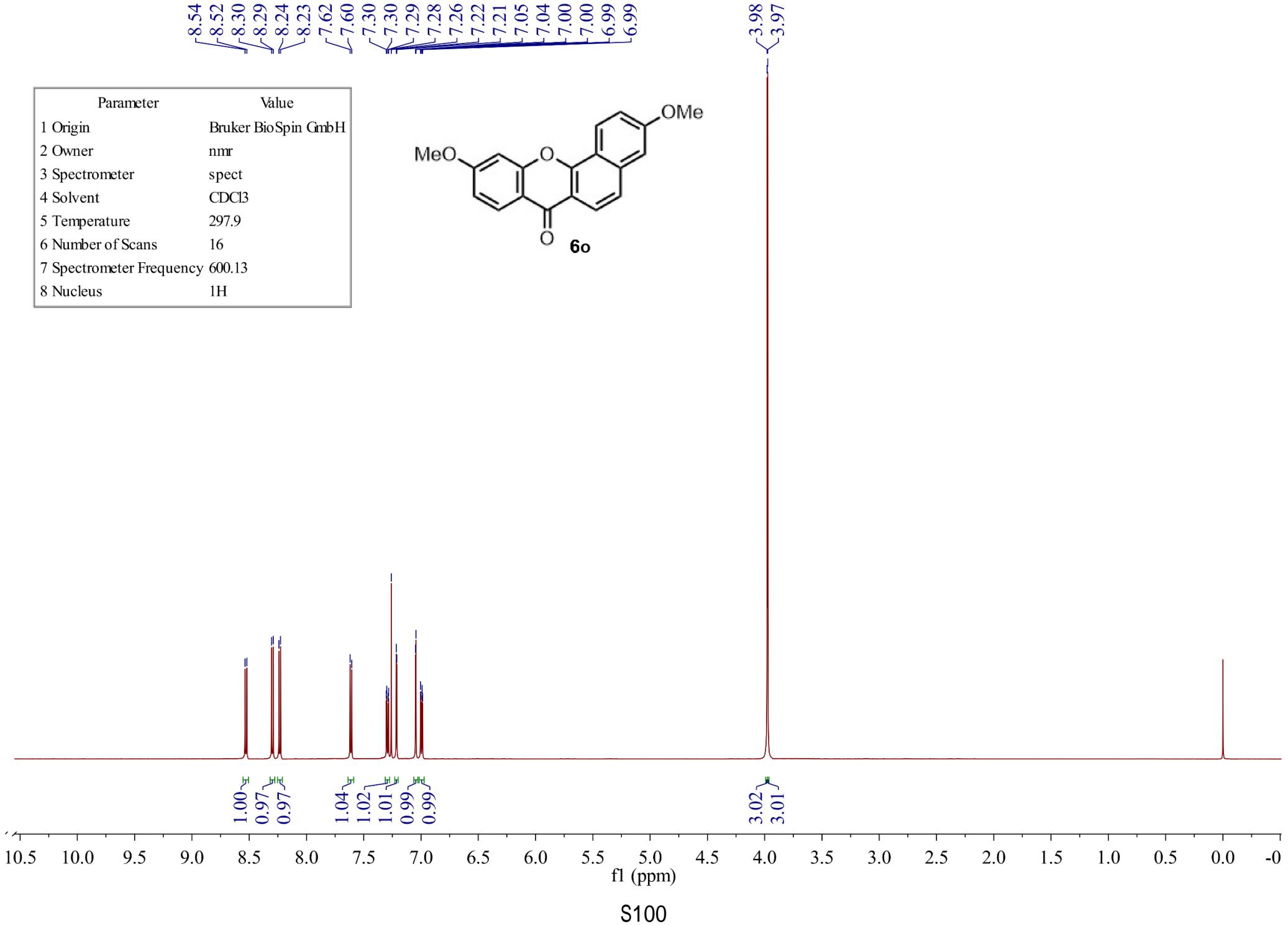
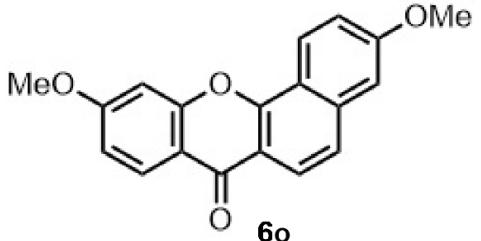
Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	CDCl ₃
5 Temperature	297.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H







Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	CDCl ₃
5 Temperature	297.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H

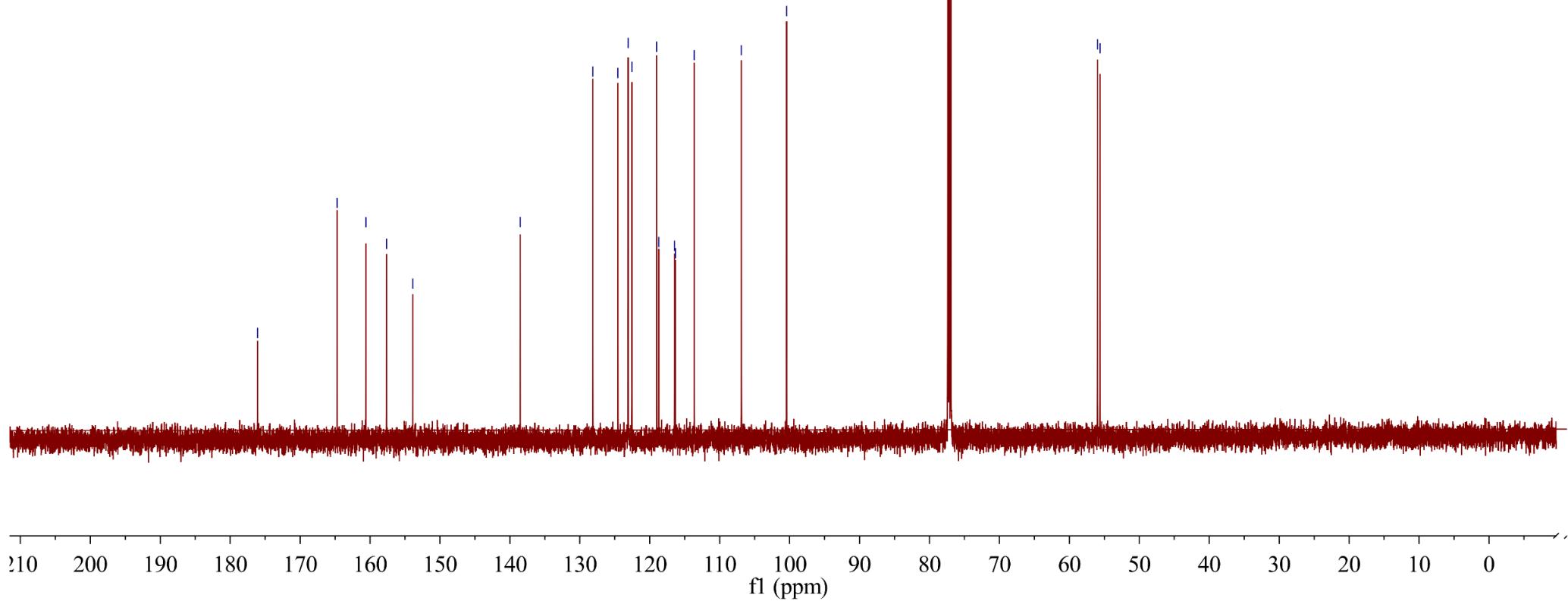
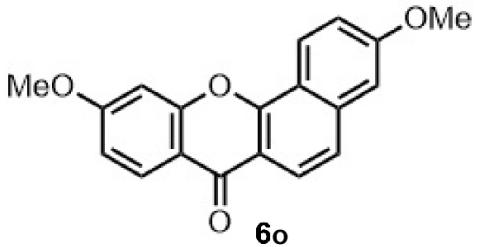


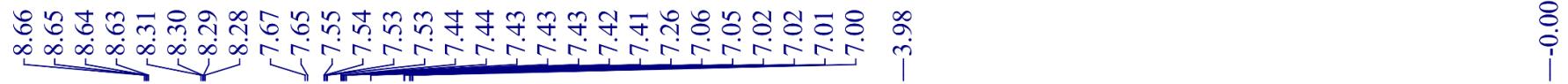
—176.09
—164.71
—160.60
—157.65
—153.90

—138.51
128.13
124.55
123.09
122.56
119.01
118.71
116.46
116.33
113.65
106.89
100.43

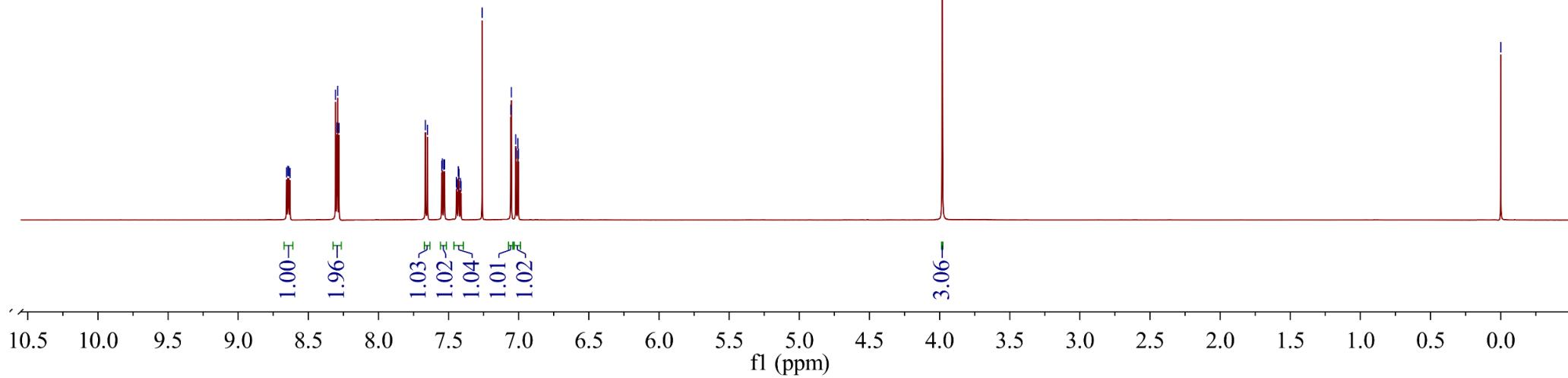
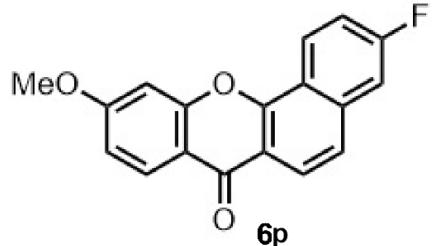
77.37
77.16
76.95

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	CDCl ₃
5 Temperature	297.9
6 Number of Scans	280
7 Spectrometer Frequency	150.90
8 Nucleus	¹³ C

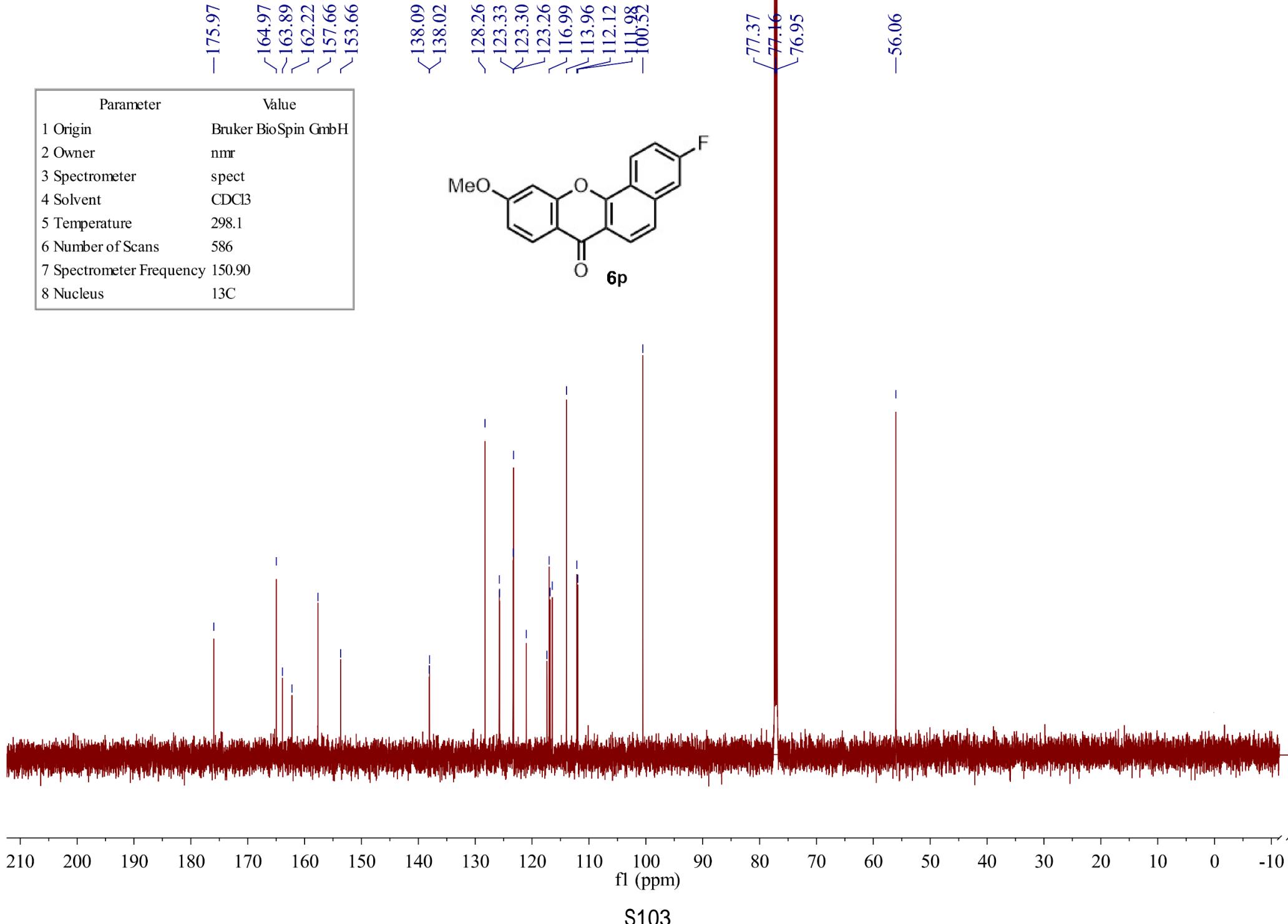




Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	CDCl ₃
5 Temperature	297.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H

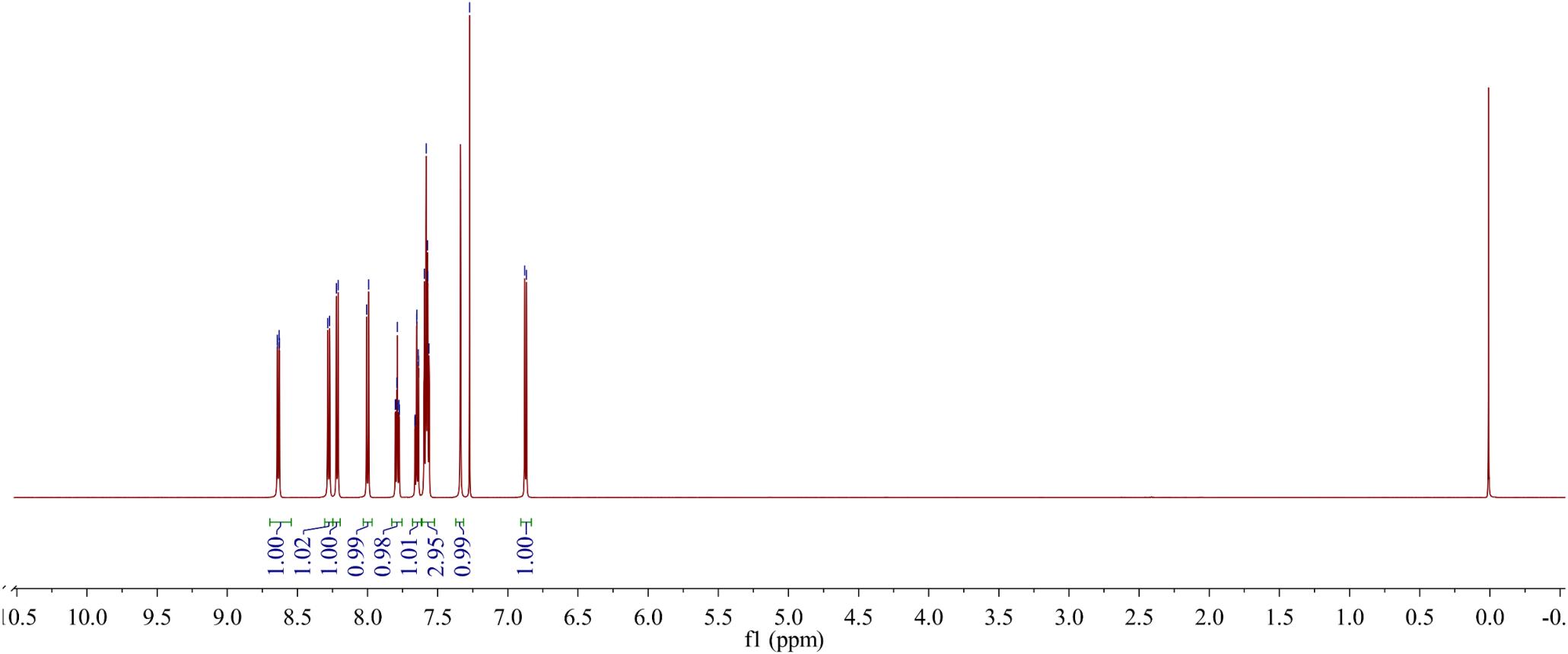


S102





Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	CDCl ₃
5 Temperature	297.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H



8.57
8.56
8.55

8.10

8.10

8.09

7.88

7.87

7.71

7.71

7.69

7.68

7.51

7.50

7.49

7.26

7.13

7.08

7.07

7.06

7.06

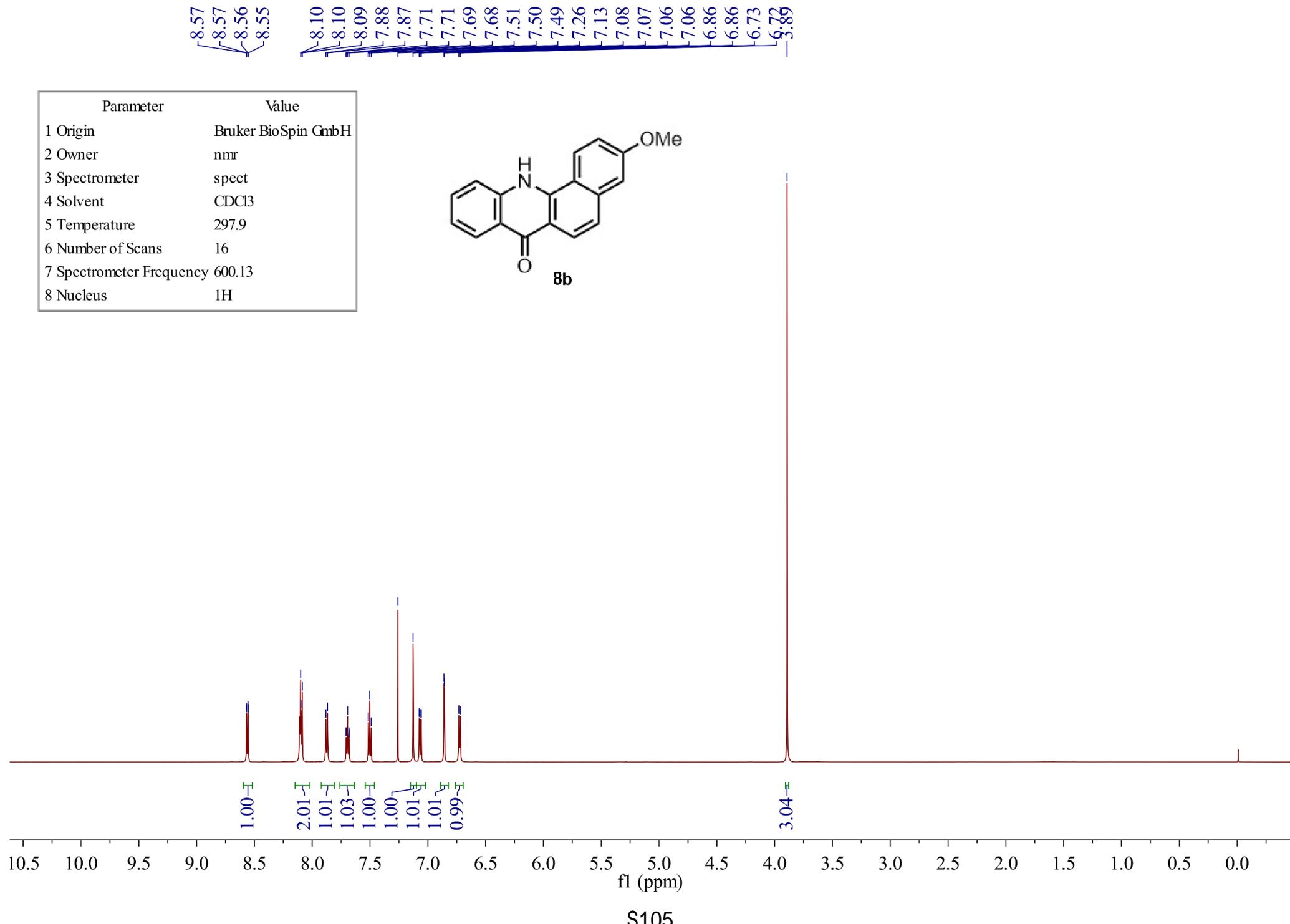
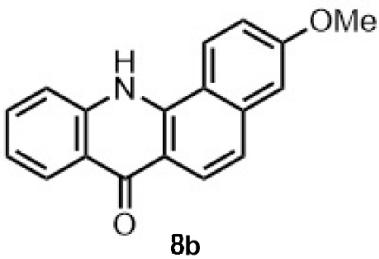
6.86

6.73

6.72

3.89

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	CDCl ₃
5 Temperature	297.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H



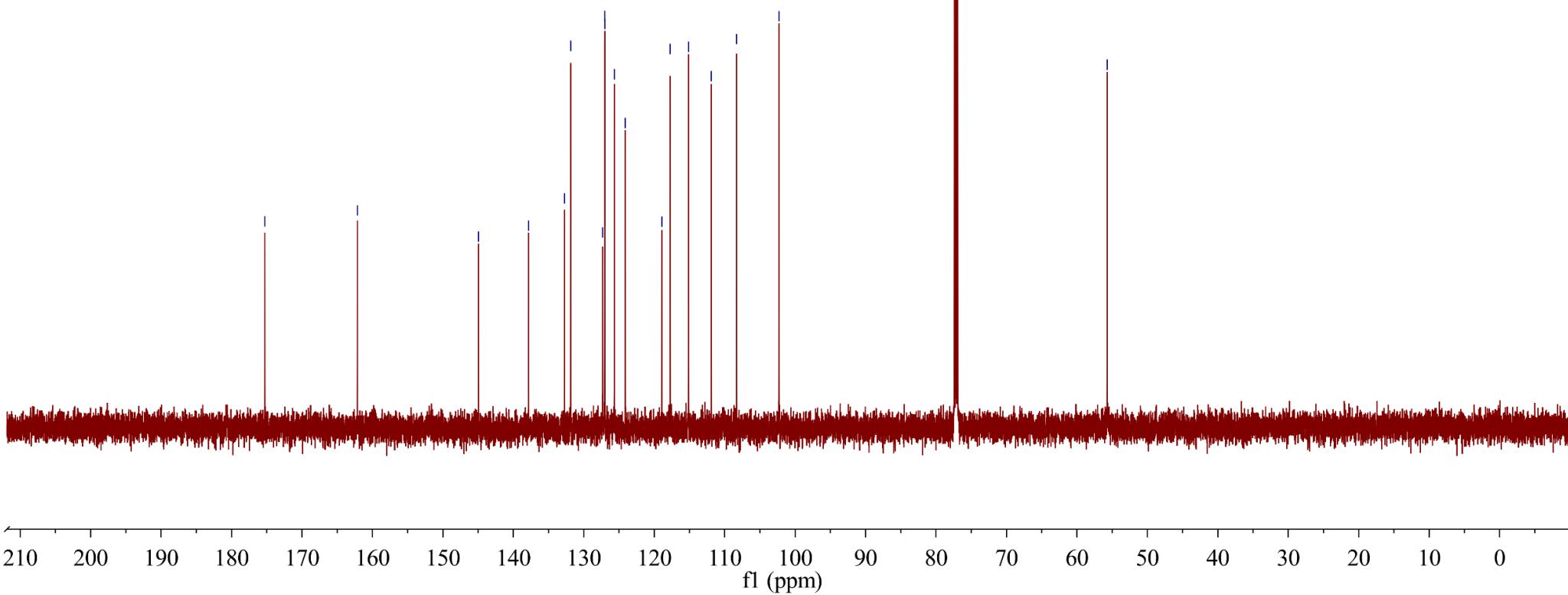
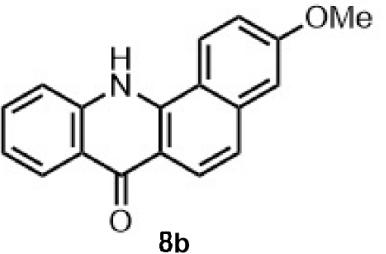
—175.26
—162.14

144.94
137.83
132.73
131.86
127.32
127.03
127.01
125.66
124.11
118.93
117.73
115.12
111.91
108.31
102.28

77.37
77.16
76.95

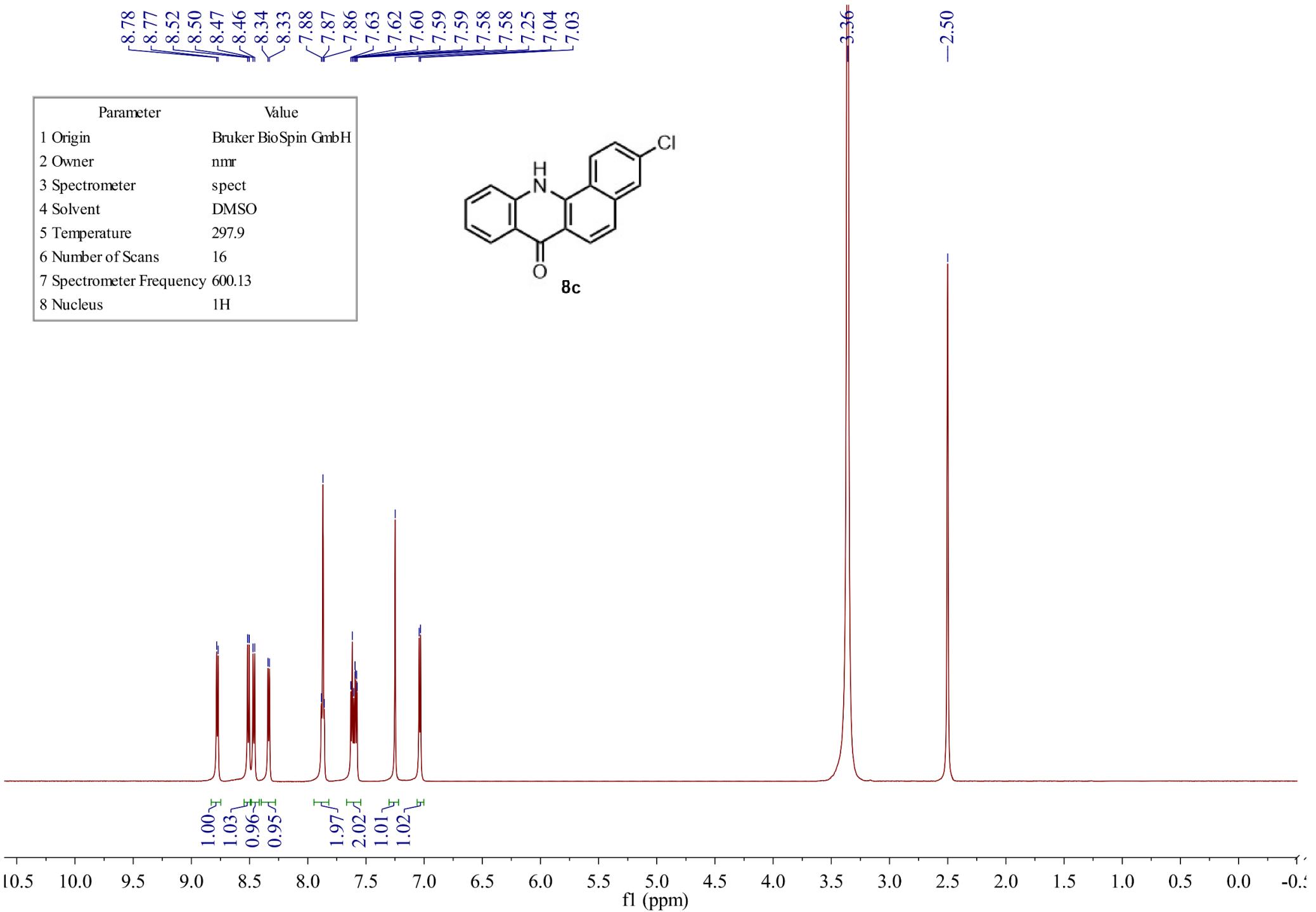
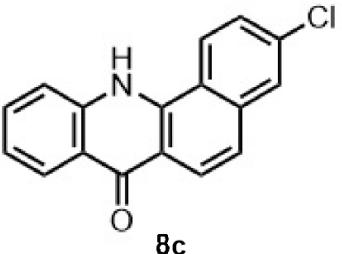
—55.71

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	CDCl ₃
5 Temperature	298.0
6 Number of Scans	122
7 Spectrometer Frequency	150.90
8 Nucleus	¹³ C



8.78
8.77
8.52
8.50
8.47
8.46
8.34
8.33
7.88
7.87
7.86
7.63
7.62
7.60
7.59
7.58
7.58
7.25
7.04
7.03

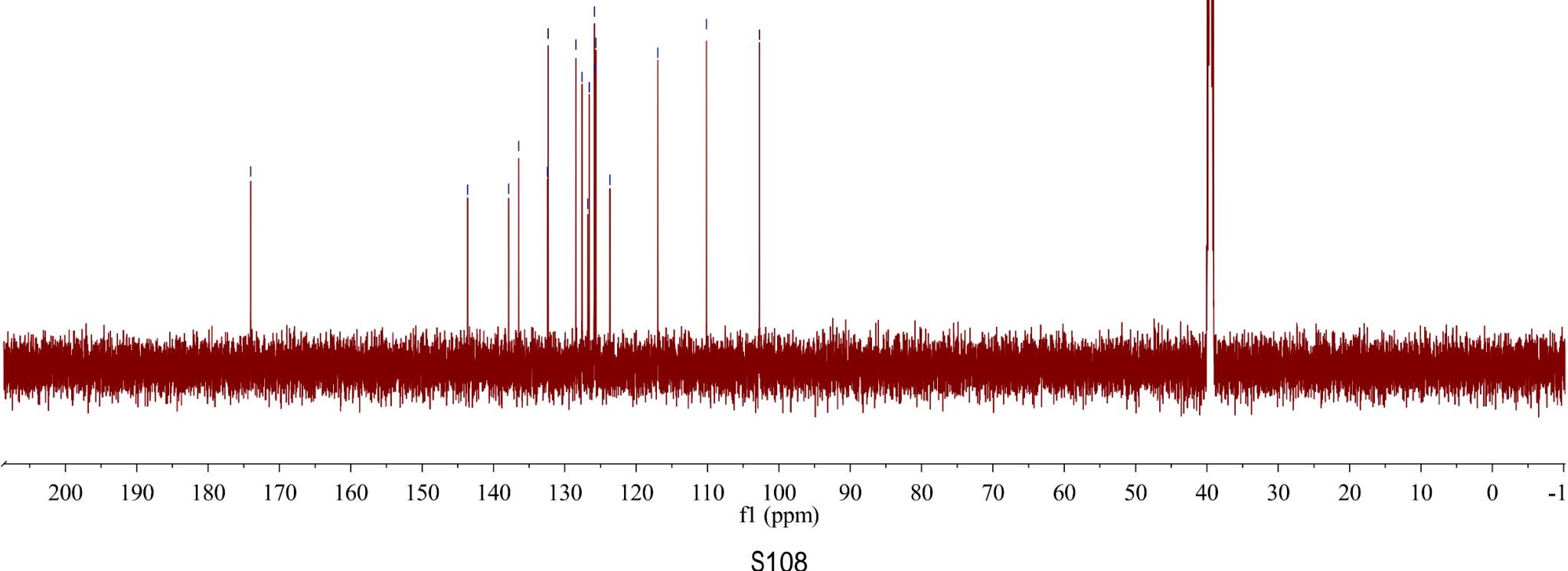
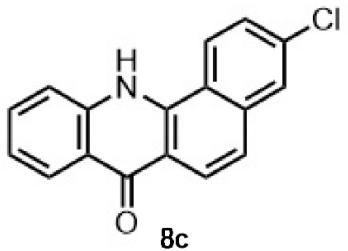
Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	297.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H



-174.04

143.63
137.88
136.46
132.42
132.33
128.46
127.59
126.79
126.58
125.88
125.64
123.68
116.96
110.13
102.73

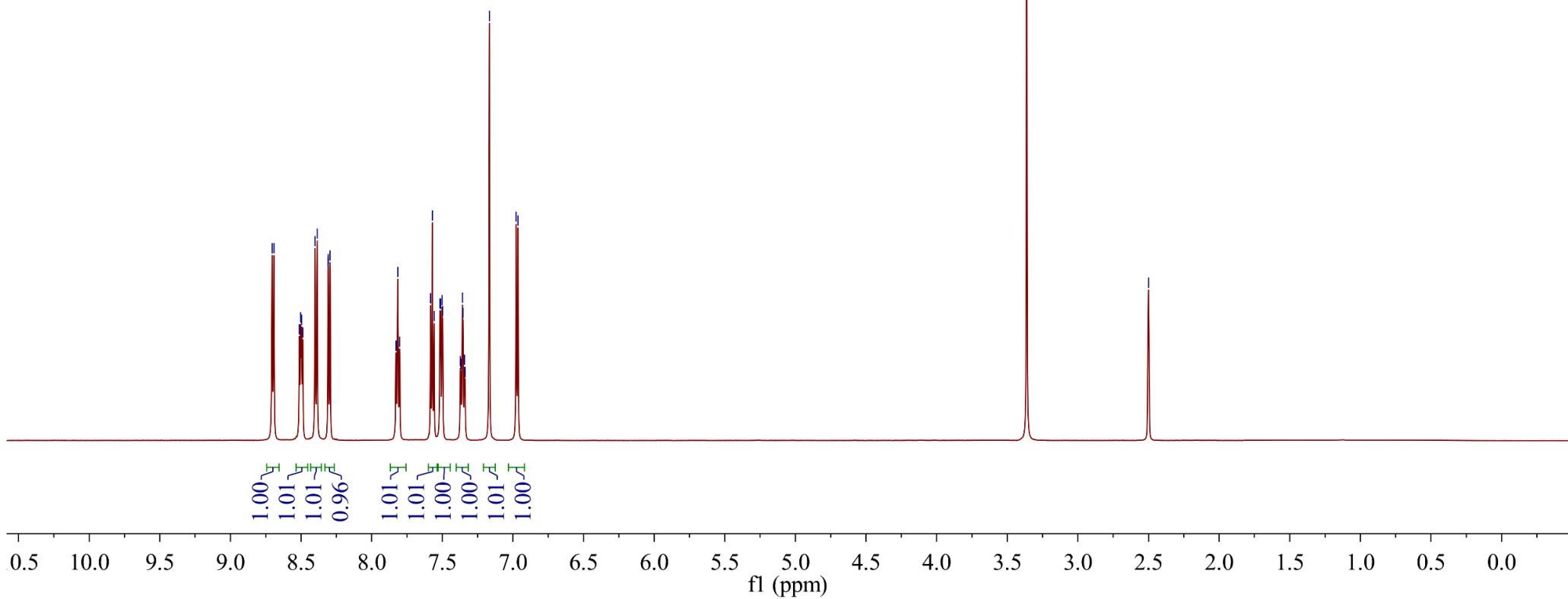
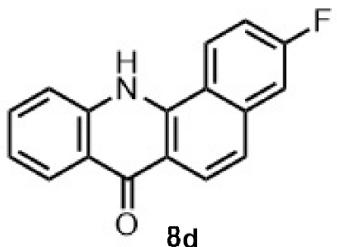
Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	297.9
6 Number of Scans	284
7 Spectrometer Frequency	150.90
8 Nucleus	¹³ C



8.71
8.69
8.51
8.50
8.50
8.49
8.40
8.39
8.31
8.31
8.30

Value

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	297.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H



3.36

-2.50

-173.85

~164.45

~162.79

143.64

137.74

132.08

128.62

126.66

126.31

125.68

125.56

116.79

116.55

111.77

111.62

110.40

109.39

39.94

39.80

39.66

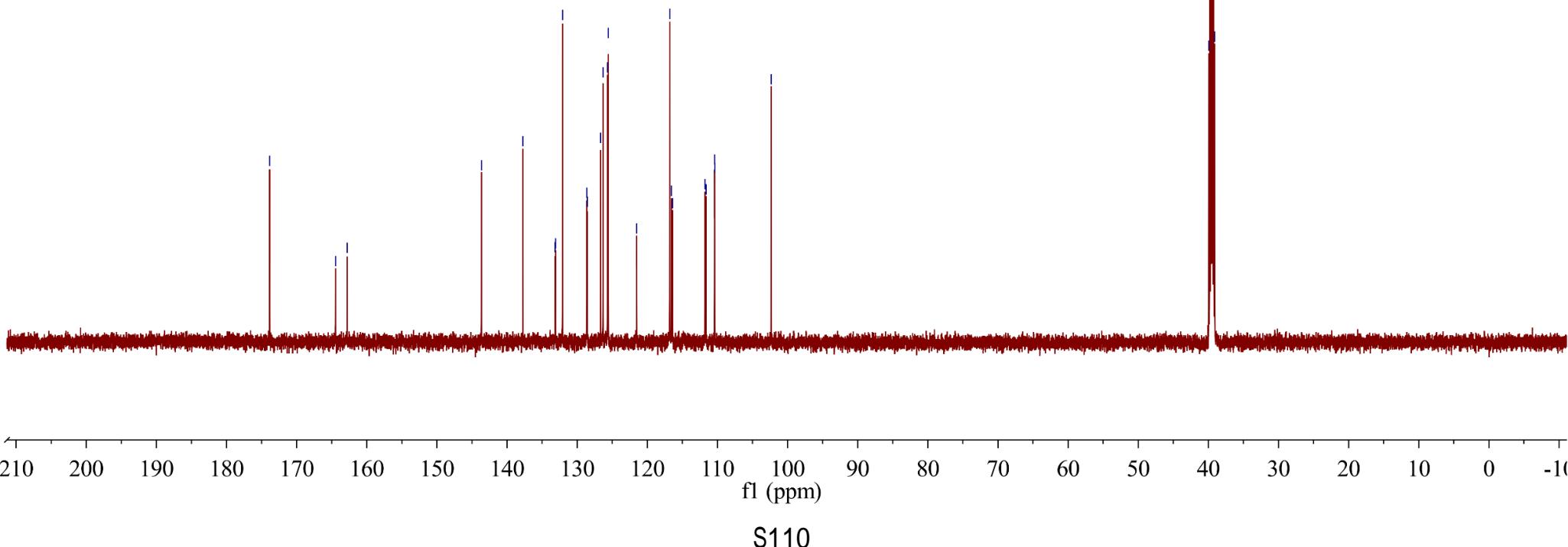
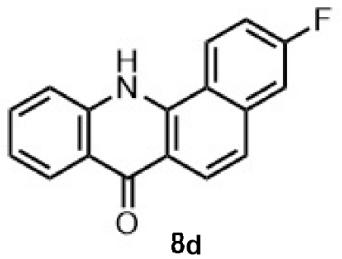
39.52

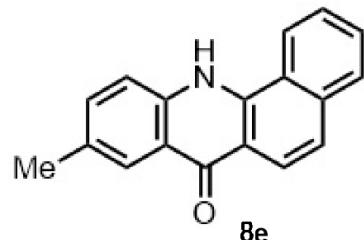
39.38

39.24

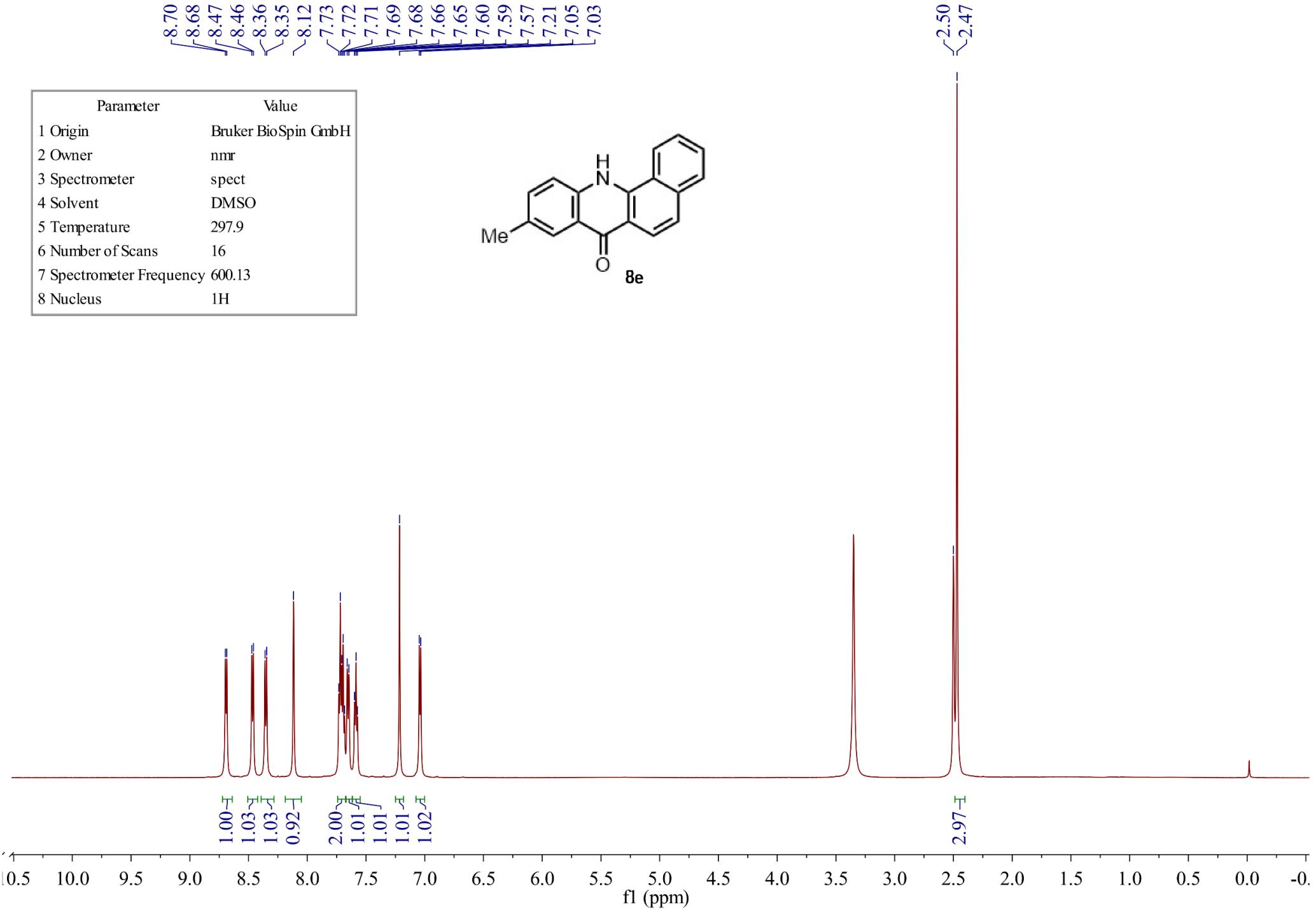
39.10

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	297.9
6 Number of Scans	284
7 Spectrometer Frequency	150.90
8 Nucleus	¹³ C





Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	297.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H



—173.74

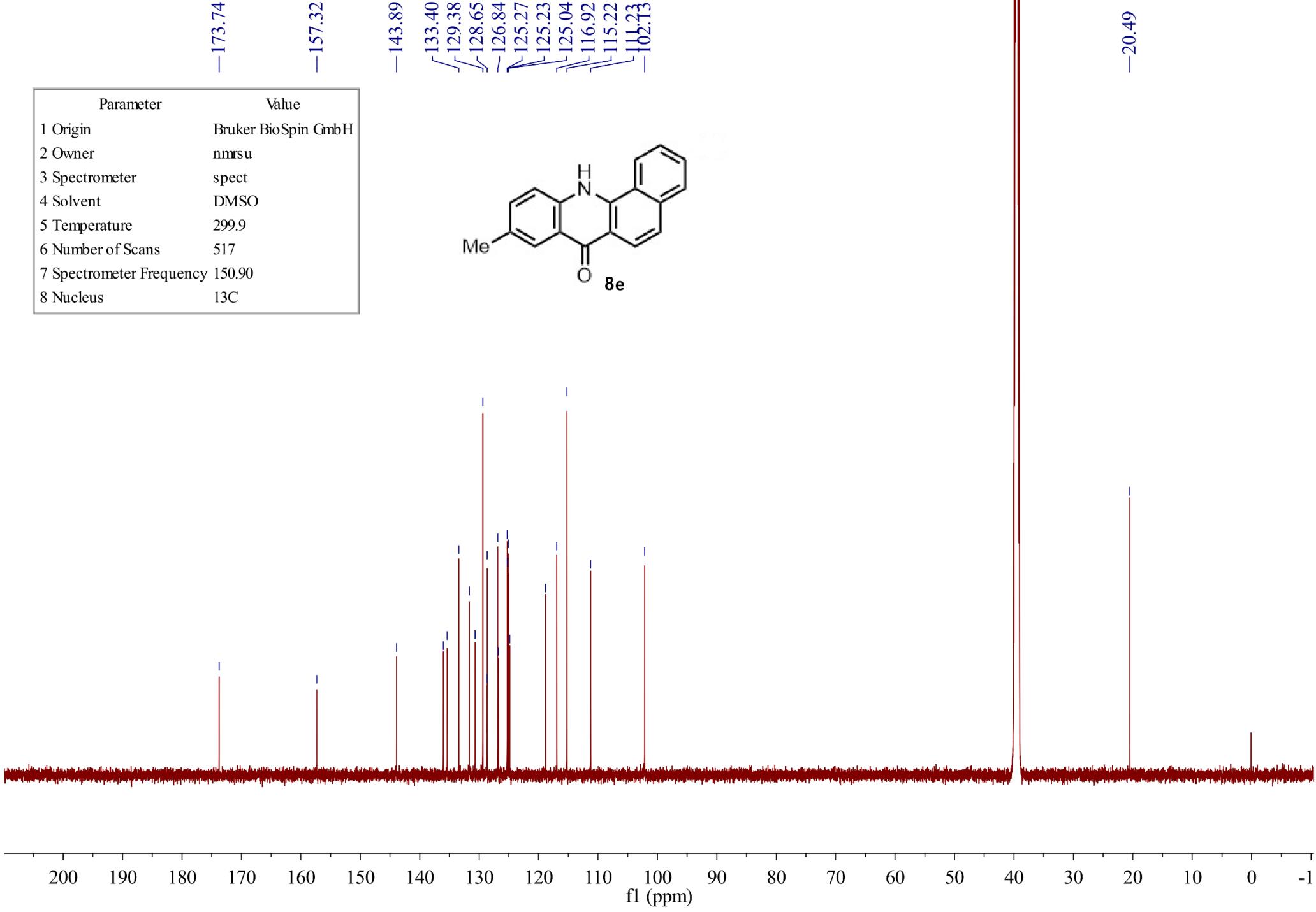
—157.32

—143.89

133.40
129.38
128.65
126.84
125.27
125.23
125.04
116.92
115.22
102.13

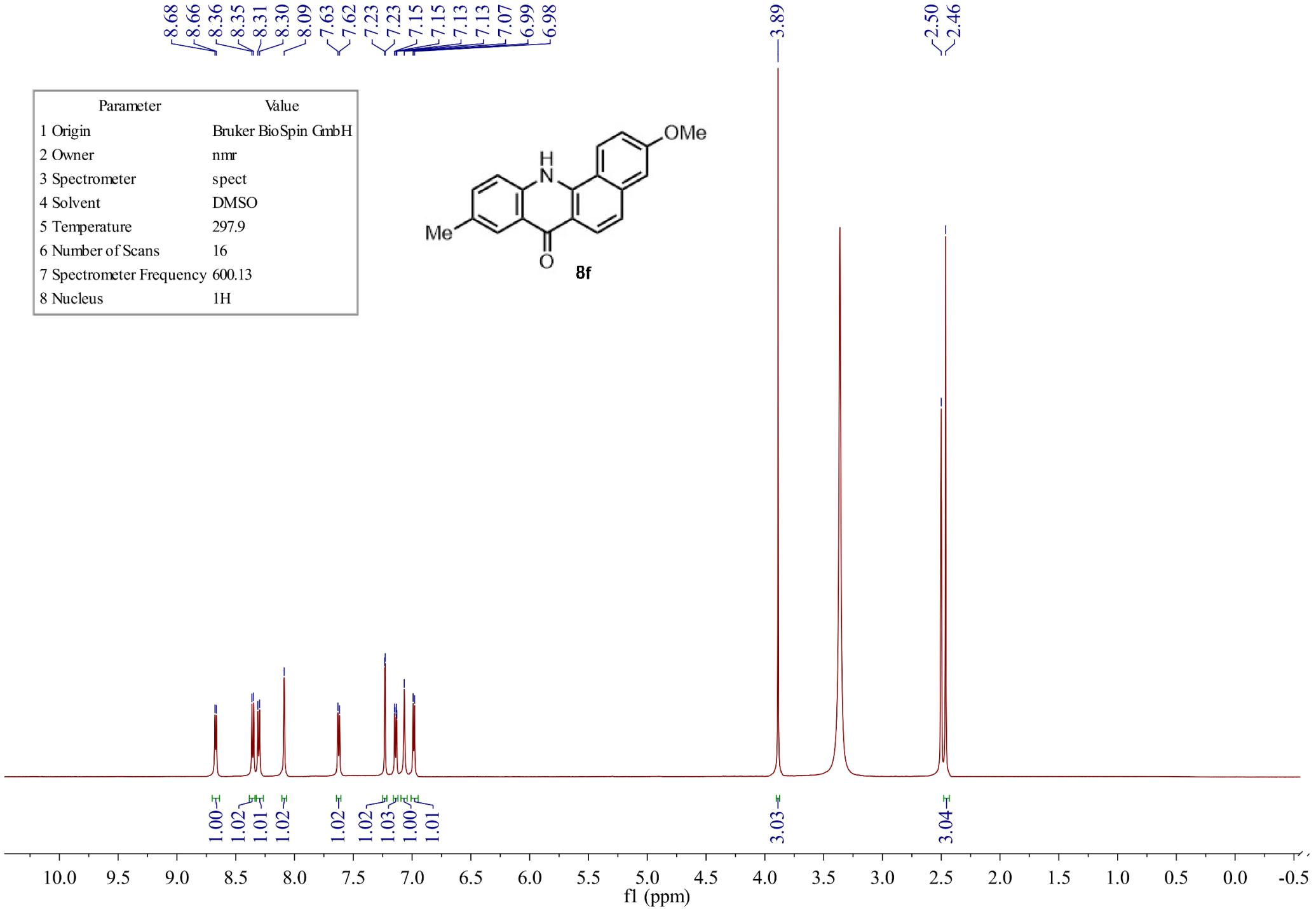
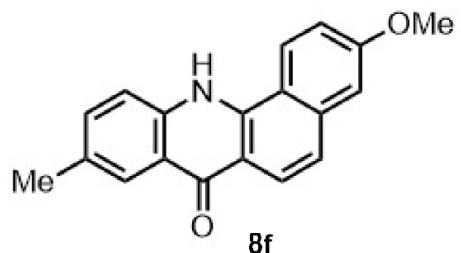
—20.49

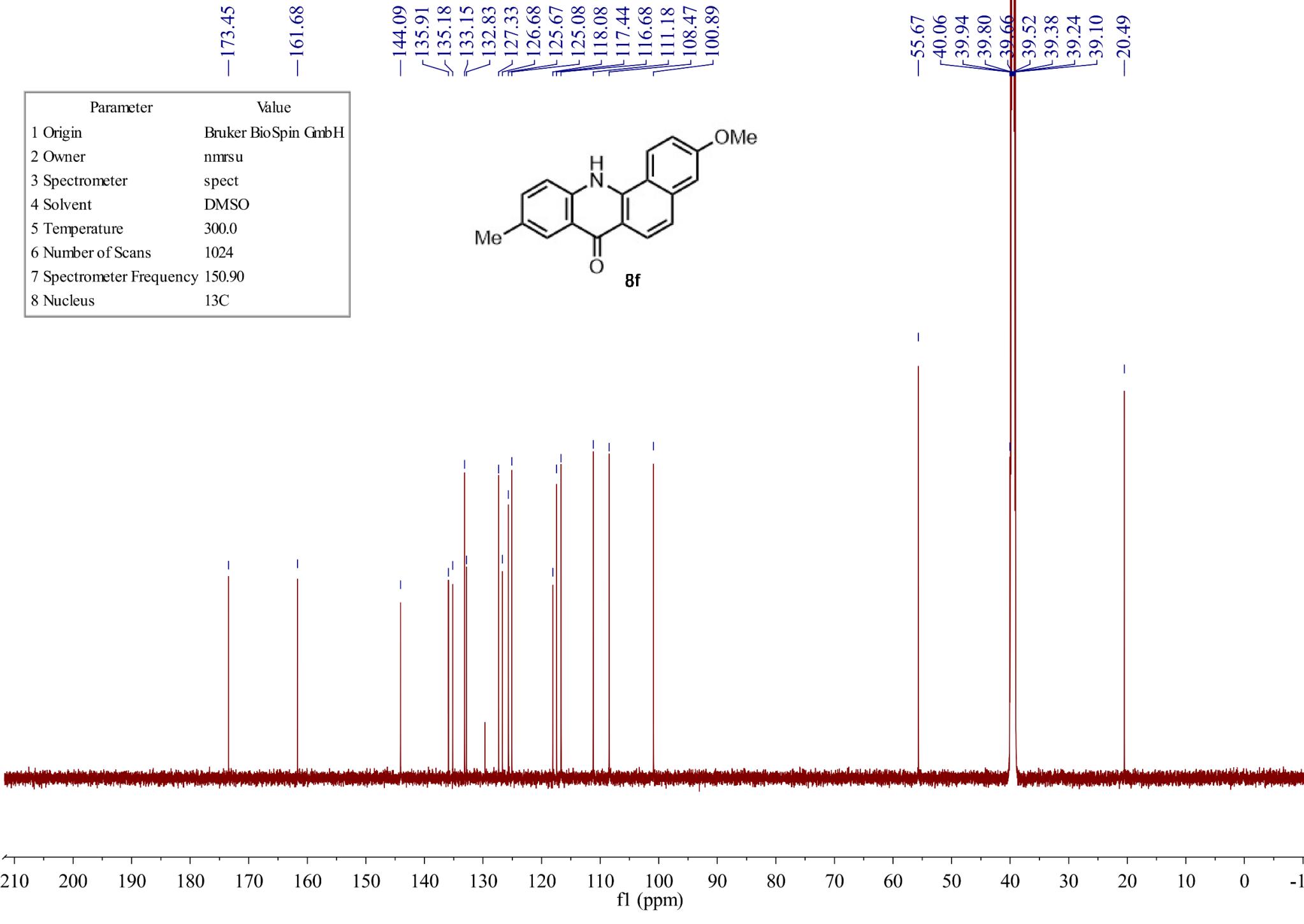
Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmrsu
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	299.9
6 Number of Scans	517
7 Spectrometer Frequency	150.90
8 Nucleus	¹³ C



8.68
8.66
8.36
8.35
8.31
8.30
8.09
7.63
7.62
7.23
7.23
7.15
7.15
7.13
7.13
7.07
6.99
6.98

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	297.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H

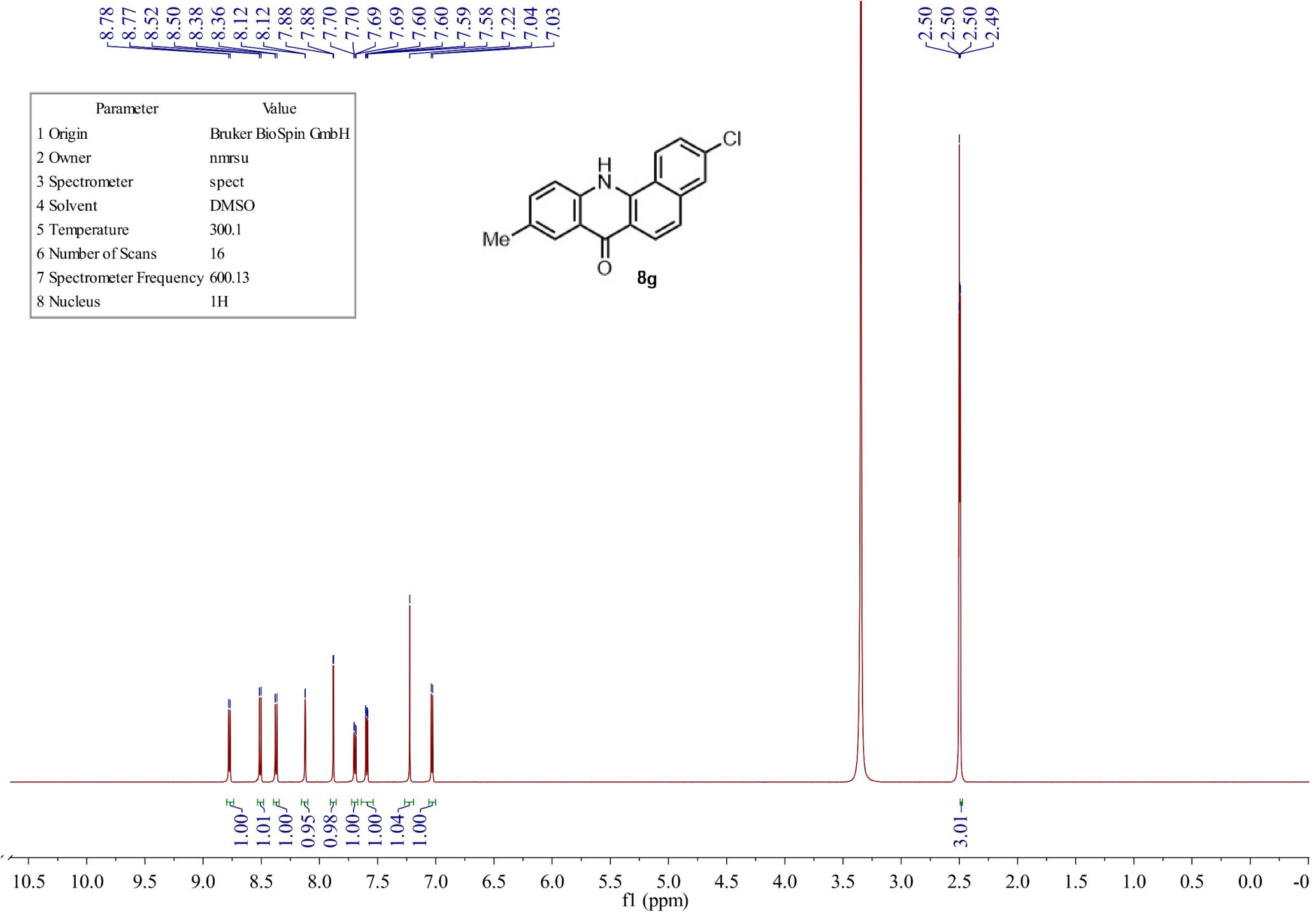
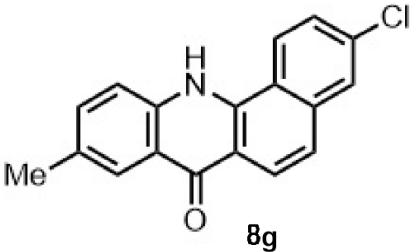




8.78
8.77
8.52
8.50
8.38
8.36
8.12
8.12
7.88
7.88
7.70
7.70
7.69
7.69
7.60
7.60
7.59
7.58
7.22
7.04
7.03

2.50
2.50
2.50
2.49

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmrsu
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	300.1
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H

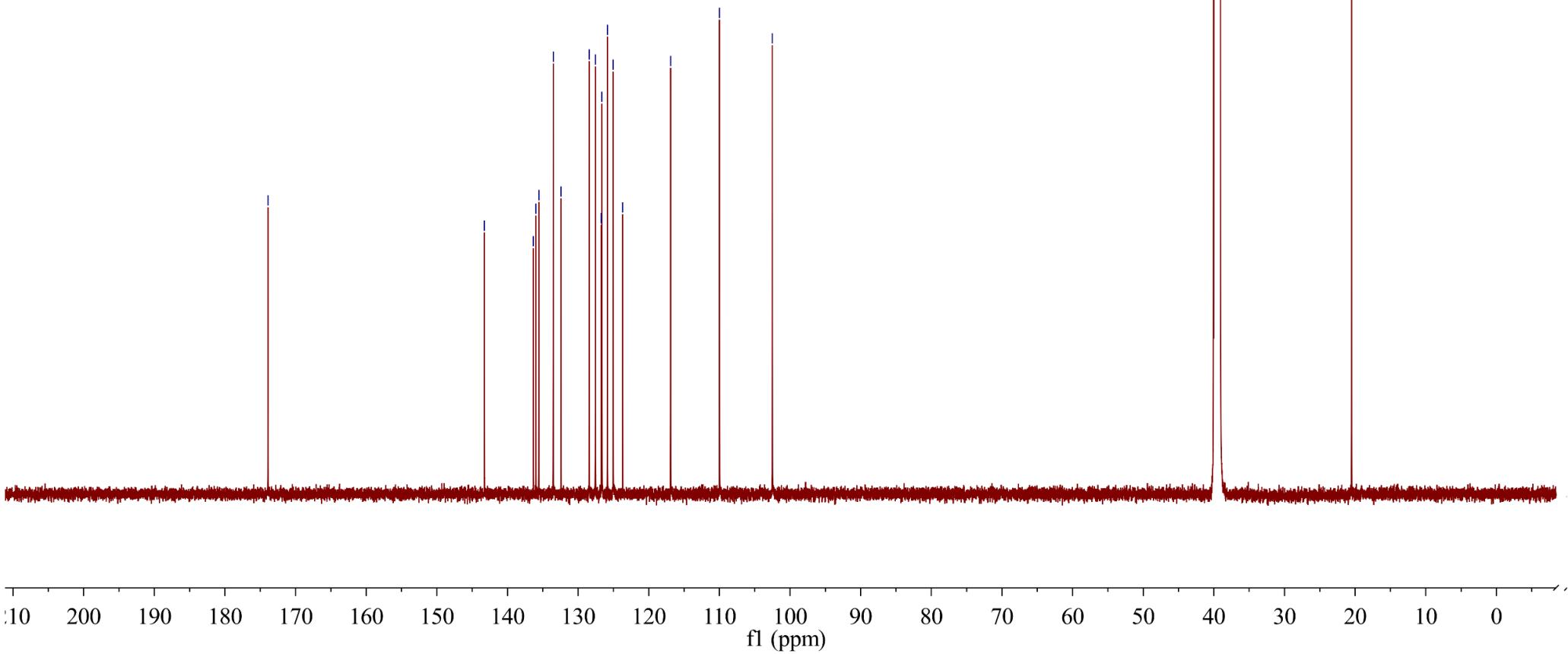
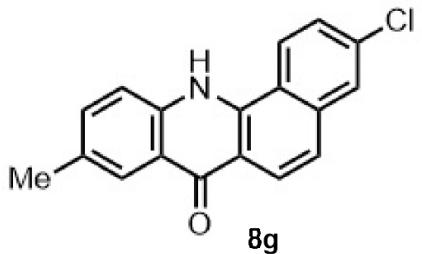


-173.90

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	CDCl ₃
5 Temperature	297.9
6 Number of Scans	813
7 Spectrometer Frequency	150.90
8 Nucleus	¹³ C

143.27
136.34
135.98
135.56
133.52
132.42
128.43
127.56
126.72
126.63
125.85
125.04
123.69
116.90
109.99
102.50

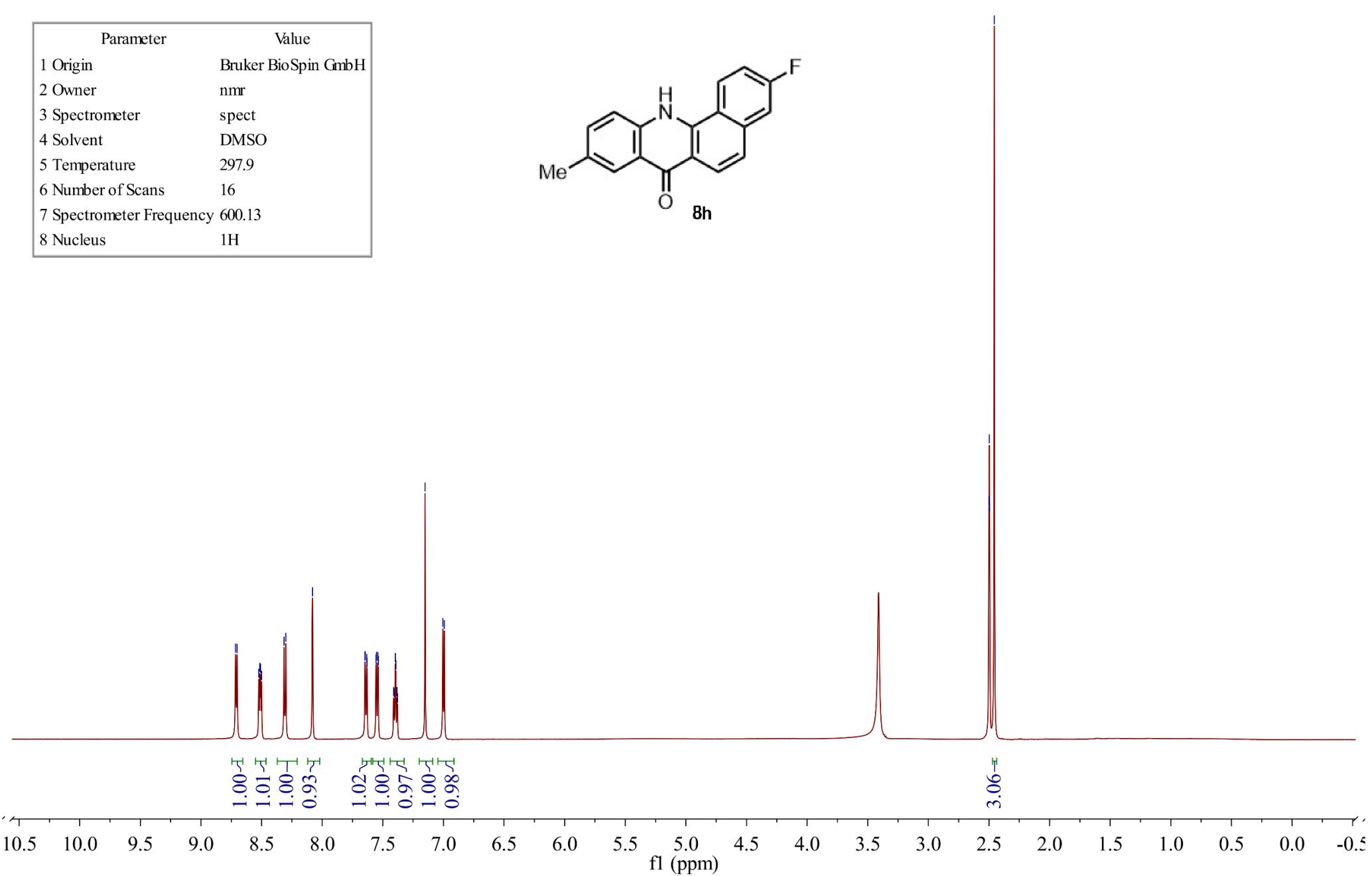
39.94
39.80
39.66
39.52
39.38
39.24
39.10
-20.50



8.72
8.70
8.52
8.51
8.51
8.50
8.31
8.30
8.08
8.08
7.64
7.63
7.63
7.56
7.55
7.54
7.54
7.41
7.41
7.40
7.39
7.38
7.38
7.15
7.01
6.99

2.50
2.50
2.49
2.46

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	297.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H



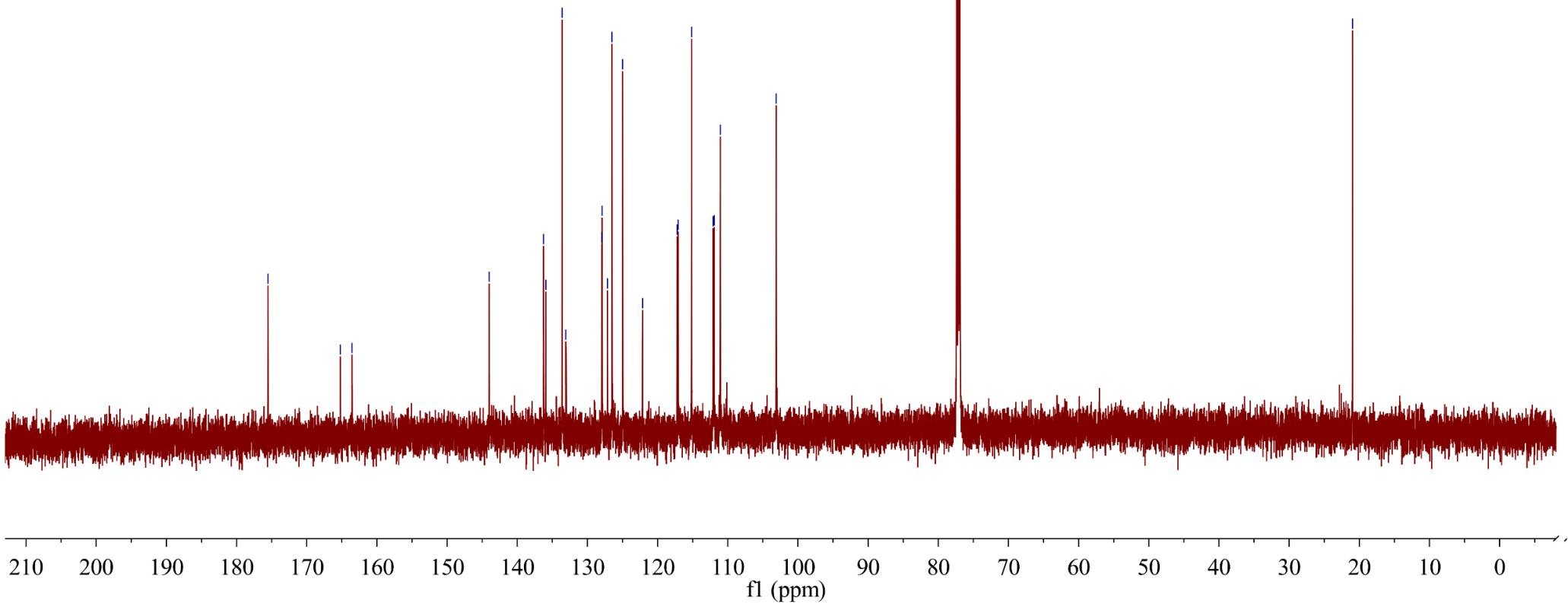
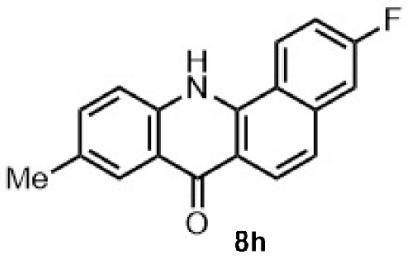
—175.53
—165.22
—163.54

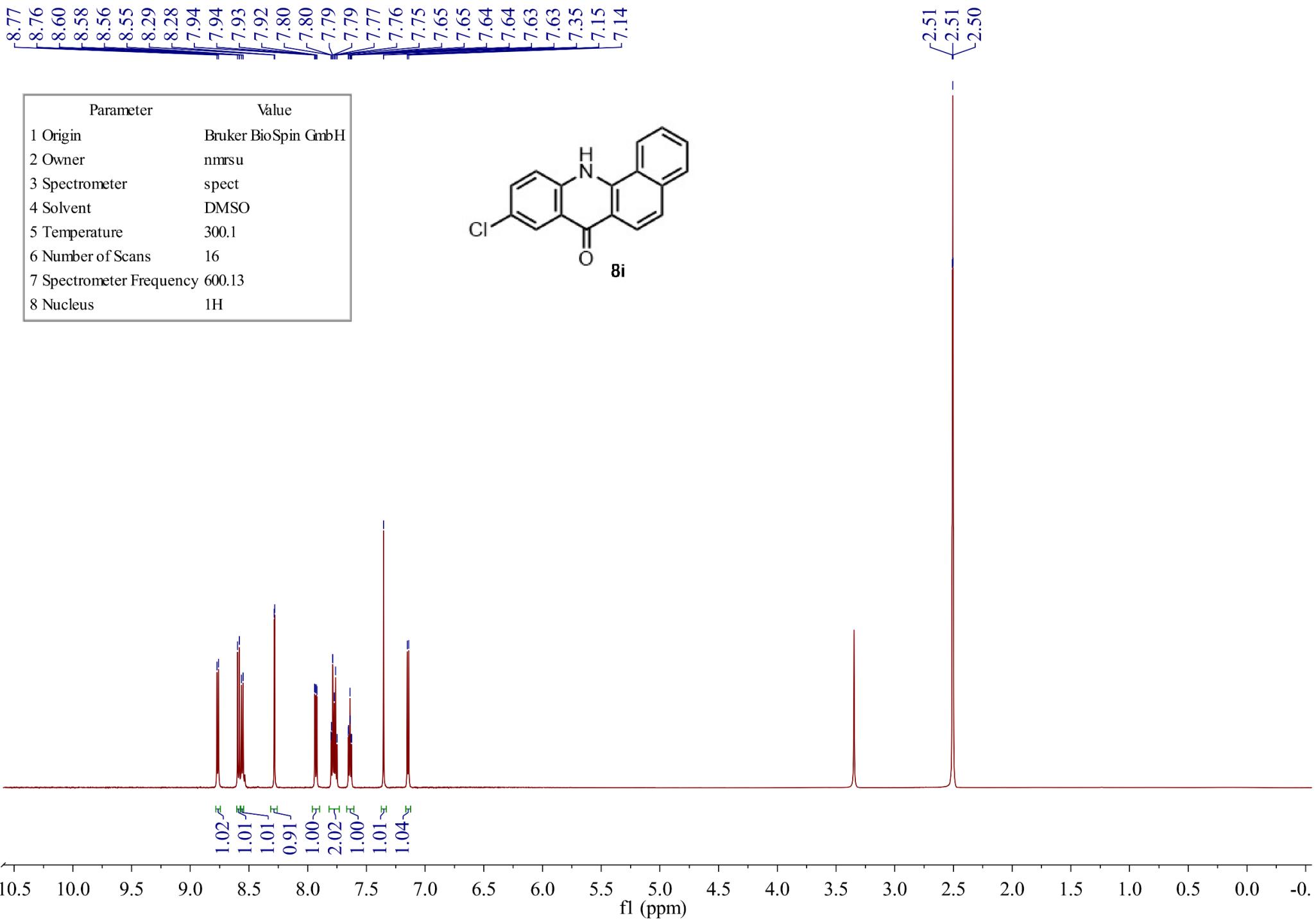
—144.01

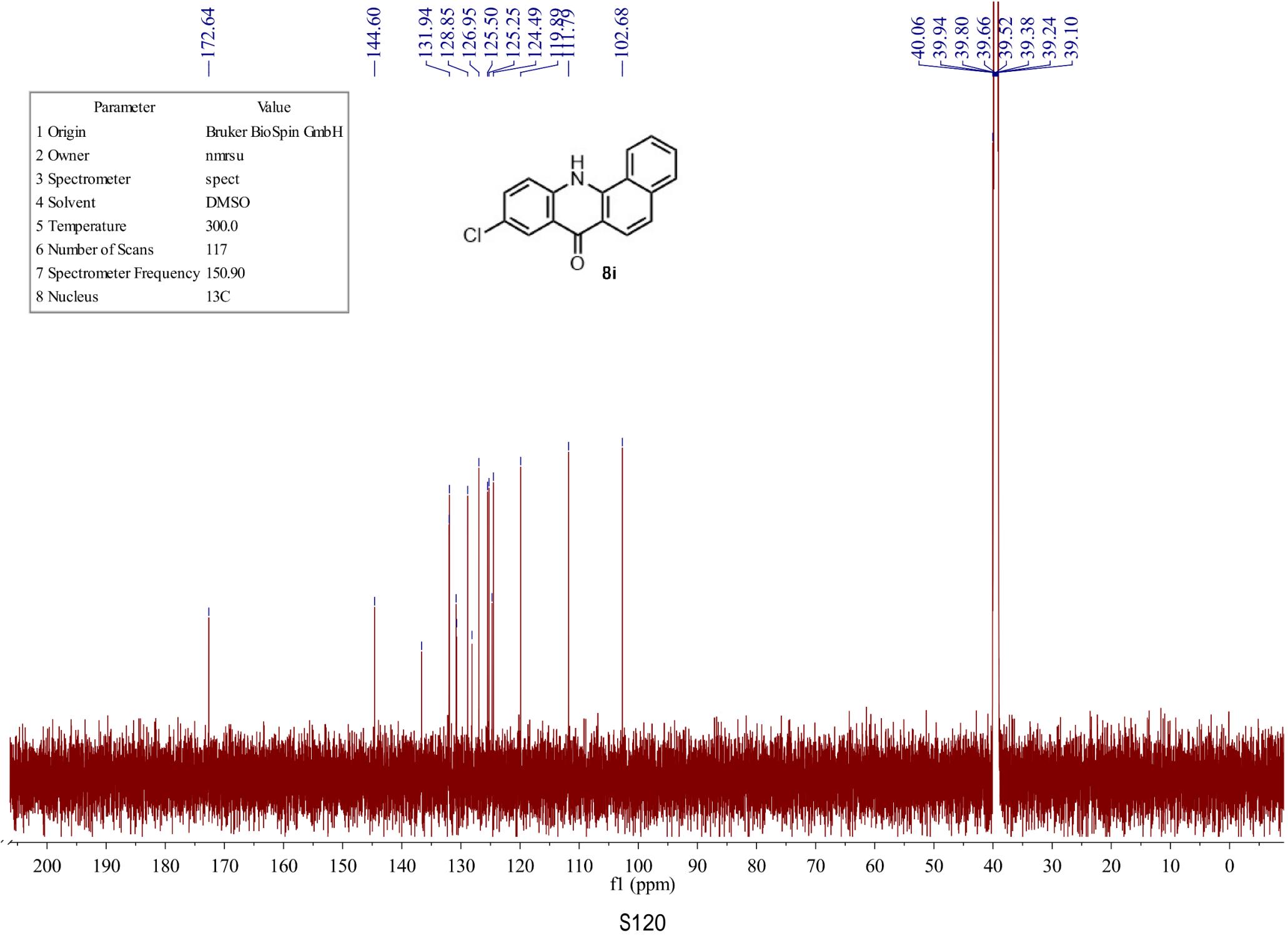
—77.37
—77.16
—76.95

—20.97

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmr
3 Spectrometer	spect
4 Solvent	CDCl ₃
5 Temperature	297.9
6 Number of Scans	813
7 Spectrometer Frequency	150.90
8 Nucleus	¹³ C

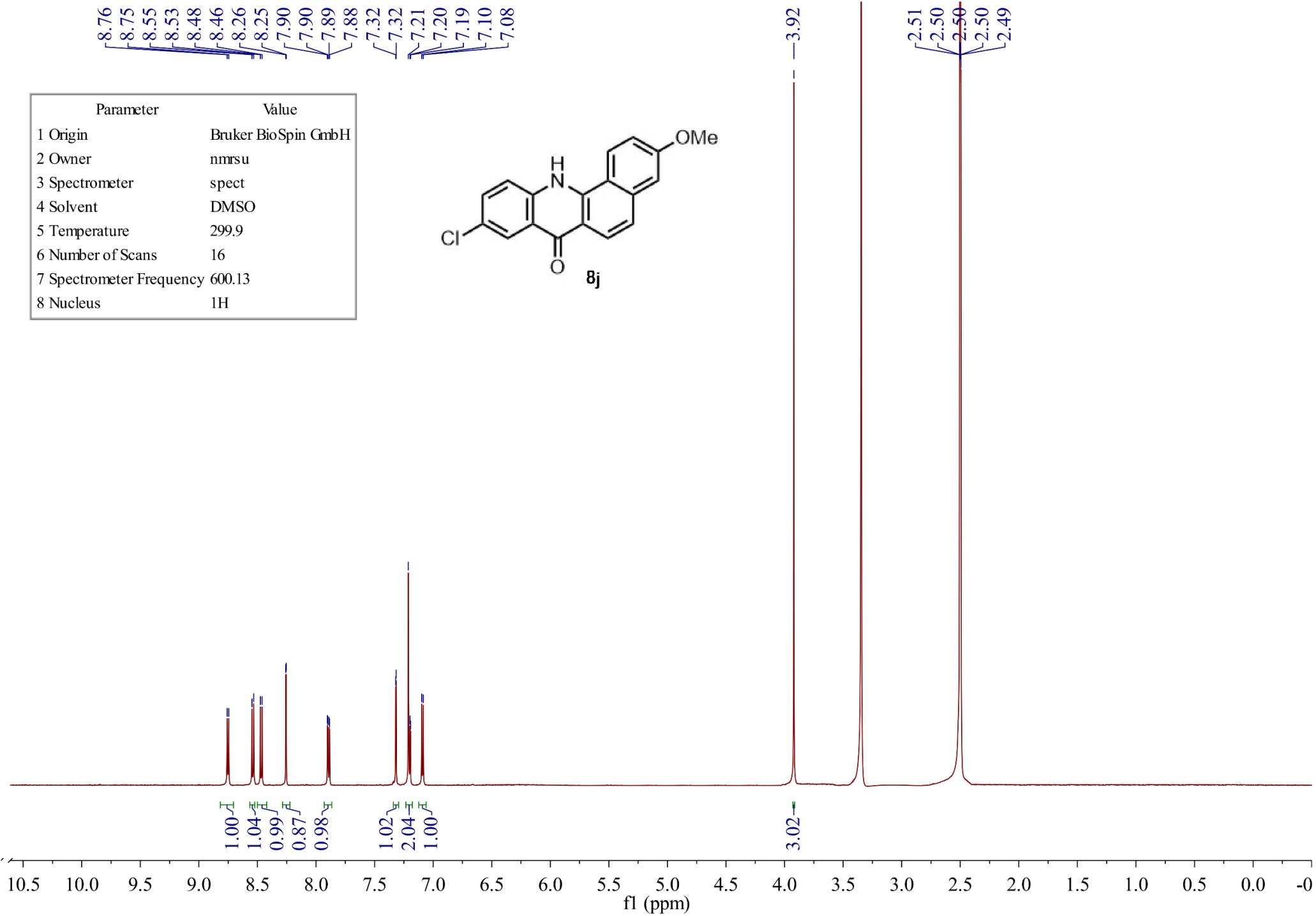






8.76
8.75
8.55
8.53
8.48
8.46
8.26
8.25
7.90
7.90
7.89
7.88
7.32
7.32
7.21
7.20
7.19
7.10
7.08

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmrsu
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	299.9
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H

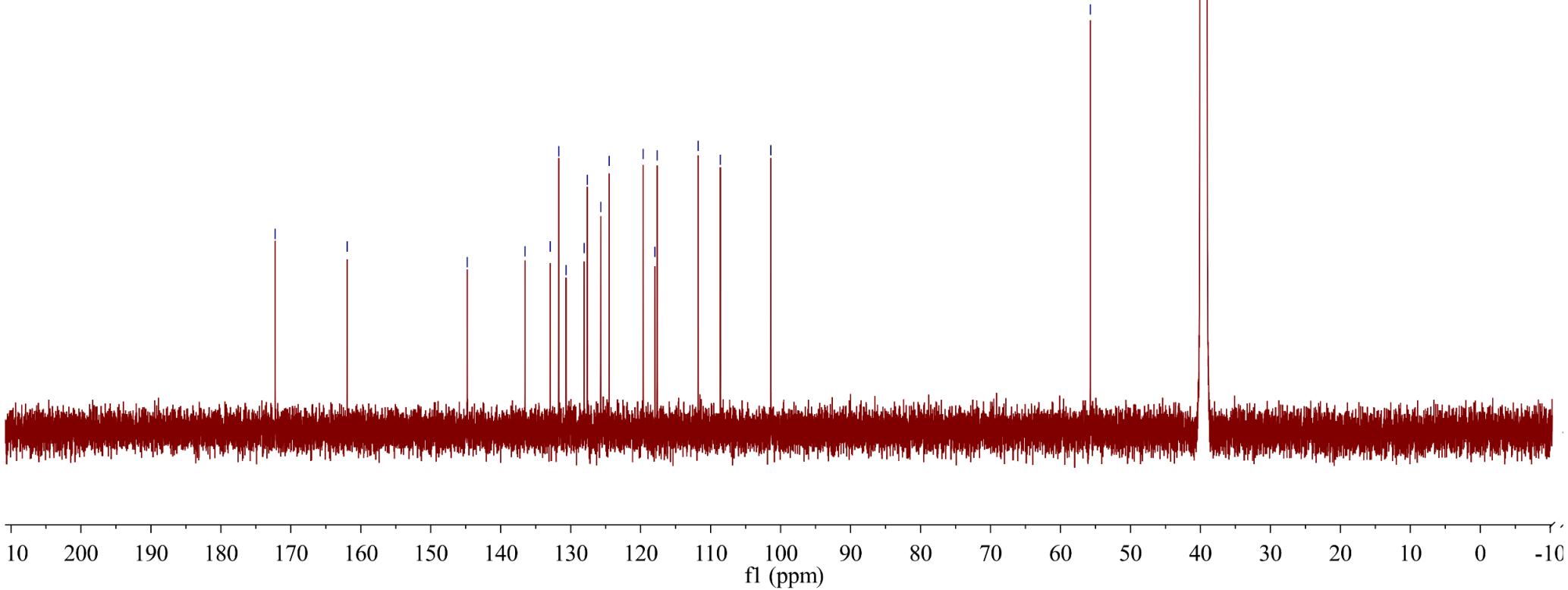
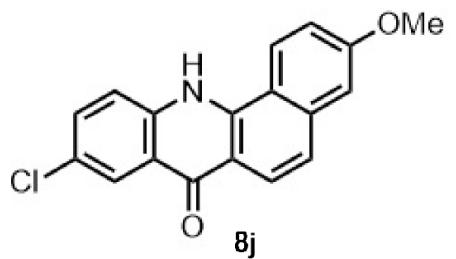


-172.23
-161.95

-144.79
-136.54
-132.93
-131.71
-130.66
-128.07
-127.62
-125.71
-124.50
-119.64
-117.95
-117.64
-111.78
-108.61
-101.40

-55.74
-40.06
-39.94
-39.80
-39.66
-39.52
-39.38
-39.24
-39.10

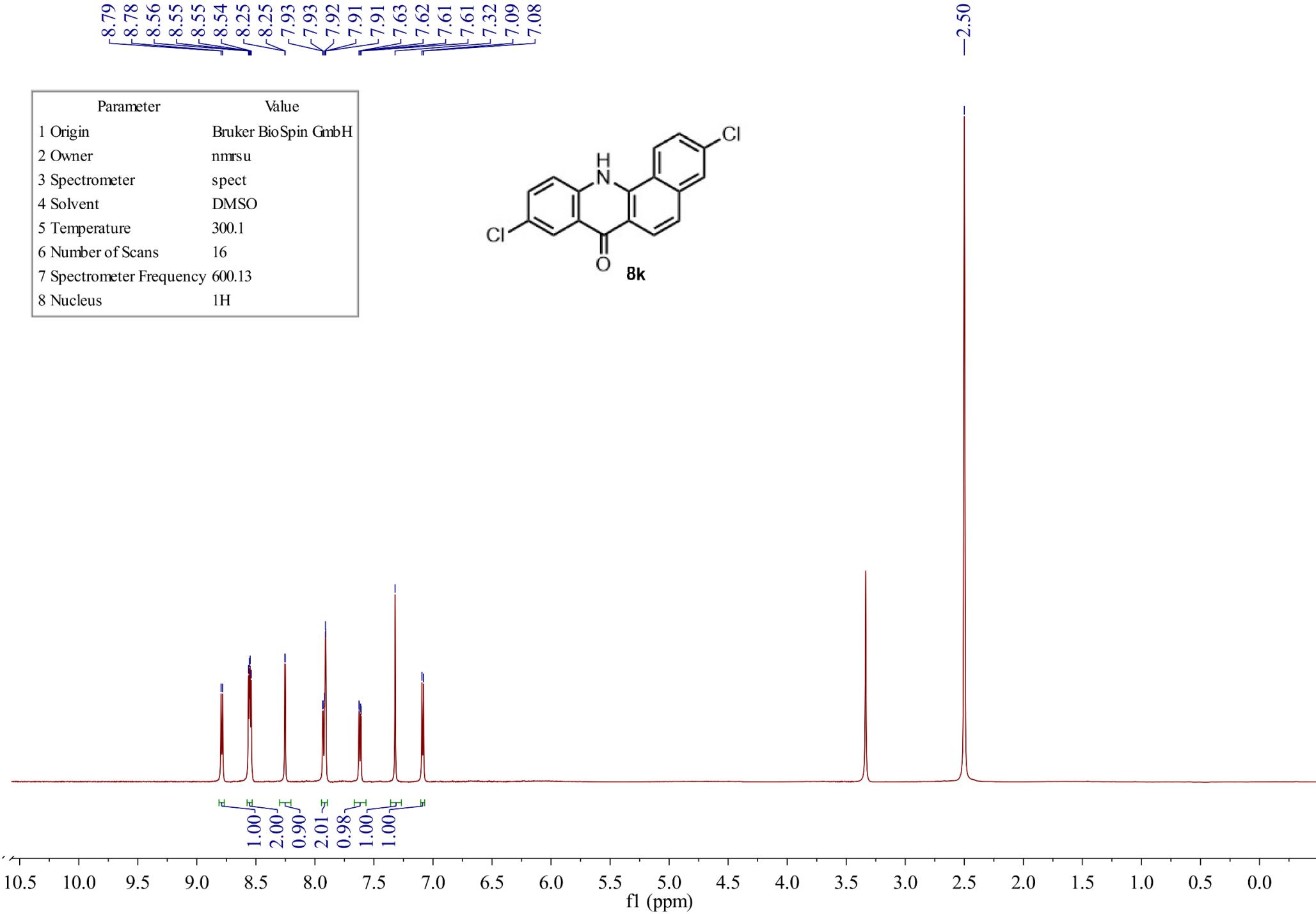
Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmrsu
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	299.9
6 Number of Scans	4096
7 Spectrometer Frequency	150.90
8 Nucleus	¹³ C



8.79
8.78
8.56
8.55
8.54
8.25
8.25
7.93
7.93
7.92
7.91
7.91
7.63
7.62
7.61
7.61
7.32
7.09
7.08

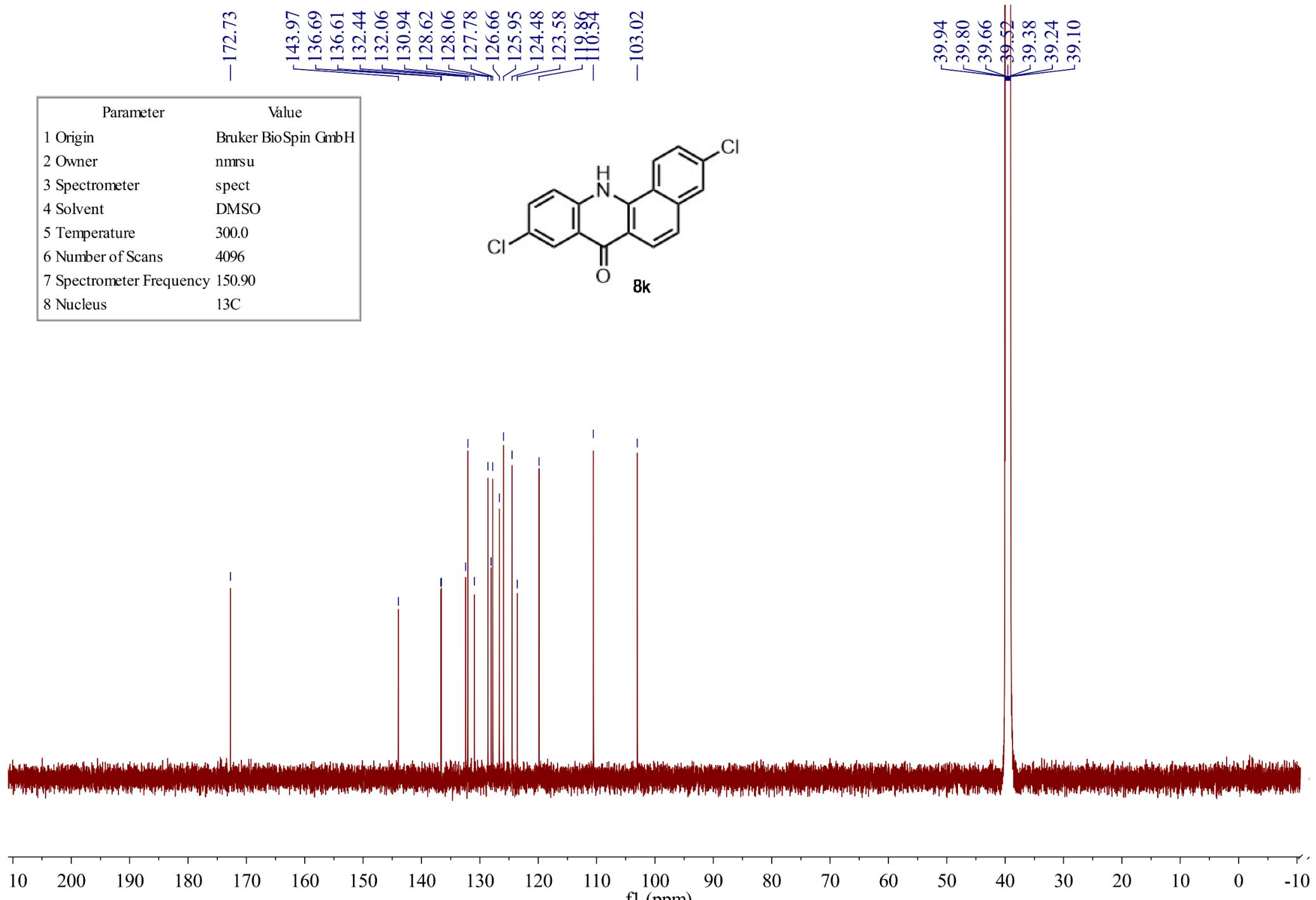
-2.50

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmrsu
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	300.1
6 Number of Scans	16
7 Spectrometer Frequency	600.13
8 Nucleus	1H

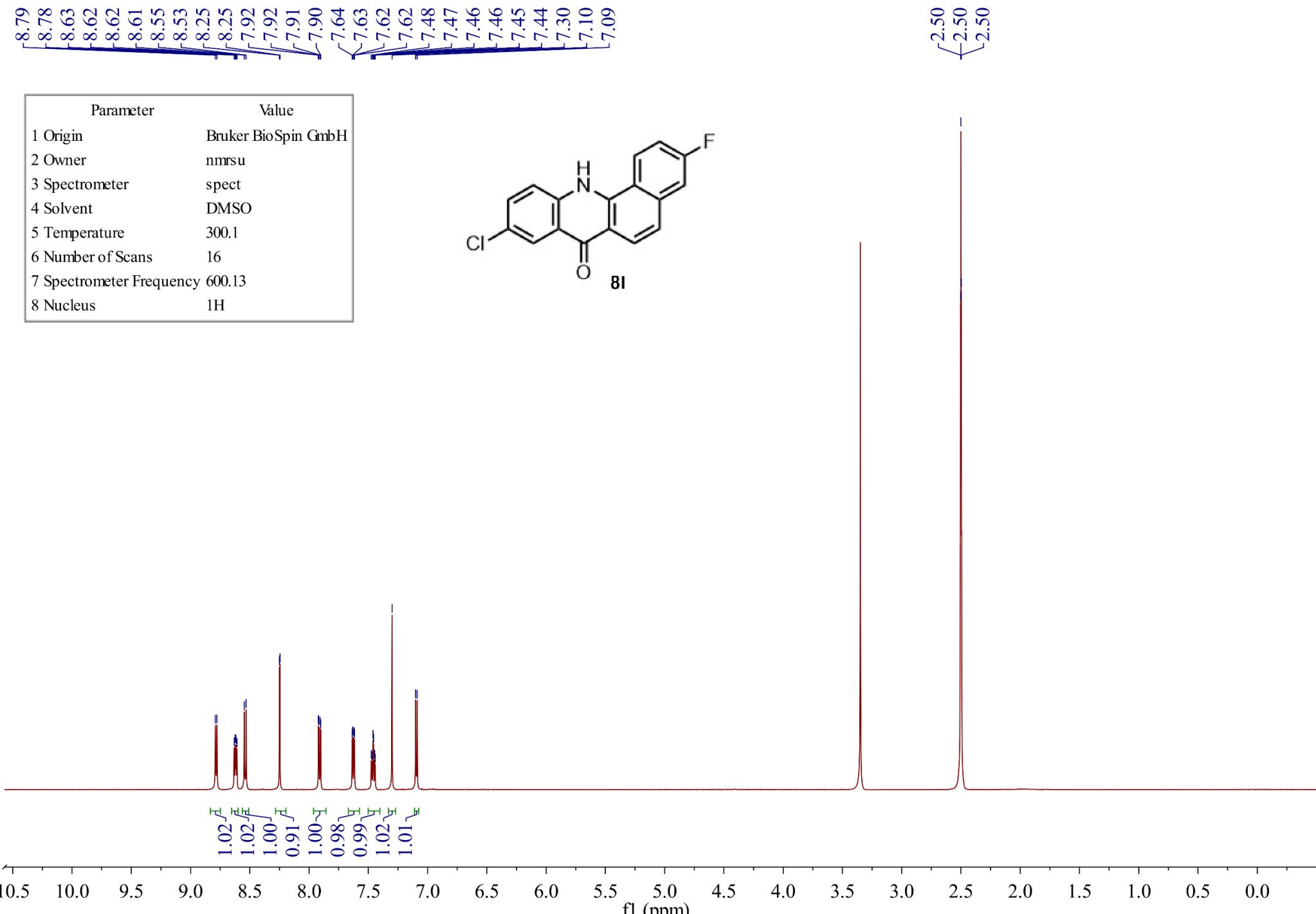




Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmrsu
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	300.0
6 Number of Scans	4096
7 Spectrometer Frequency	150.90
8 Nucleus	¹³ C



S124



S125

Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmrsu
3 Spectrometer	spect
4 Solvent	DMSO
5 Temperature	300.1
6 Number of Scans	4096
7 Spectrometer Frequency	150.90
8 Nucleus	¹³ C

