Supplementary material

Novel methylselenoesters as antiproliferative agents

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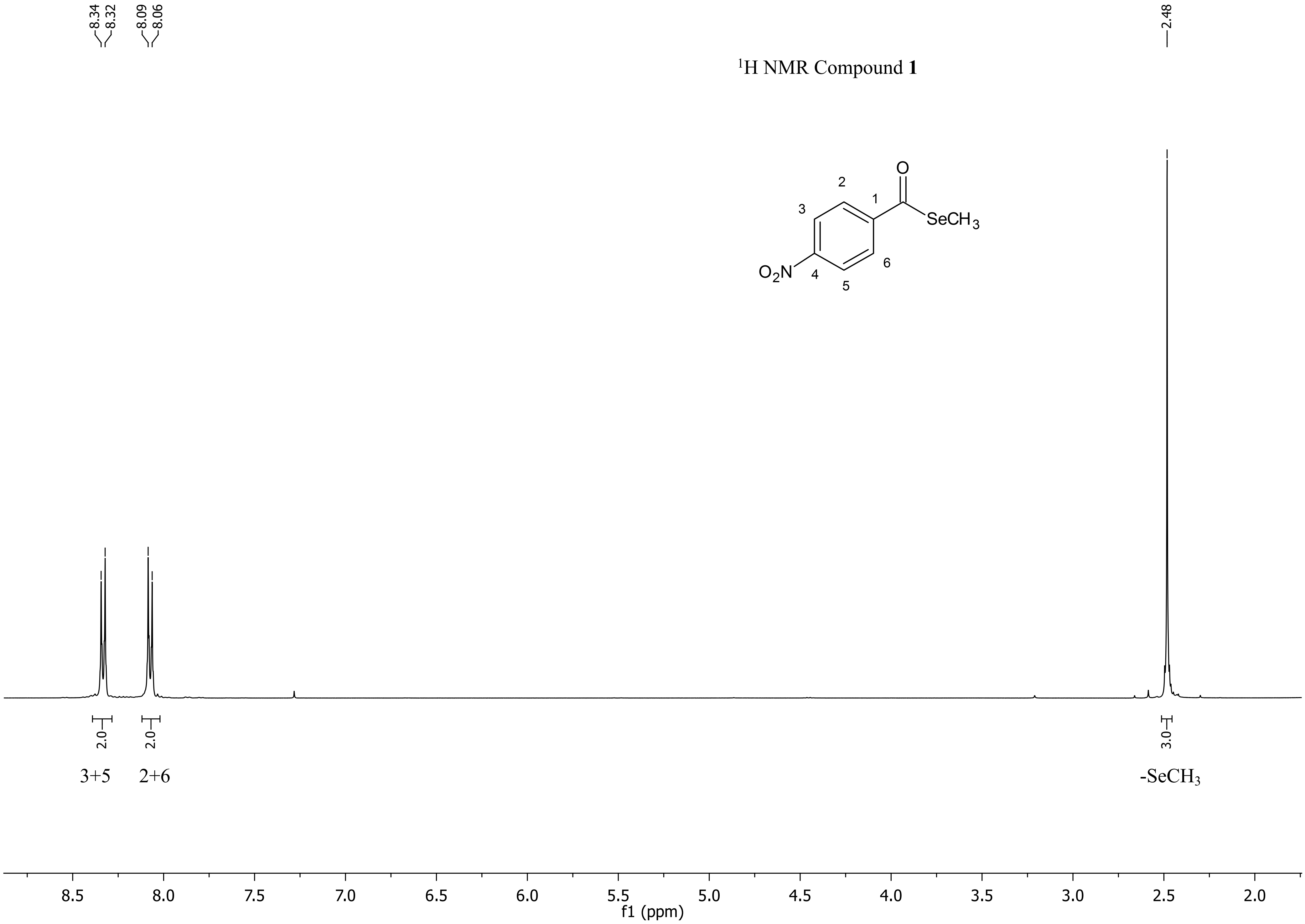
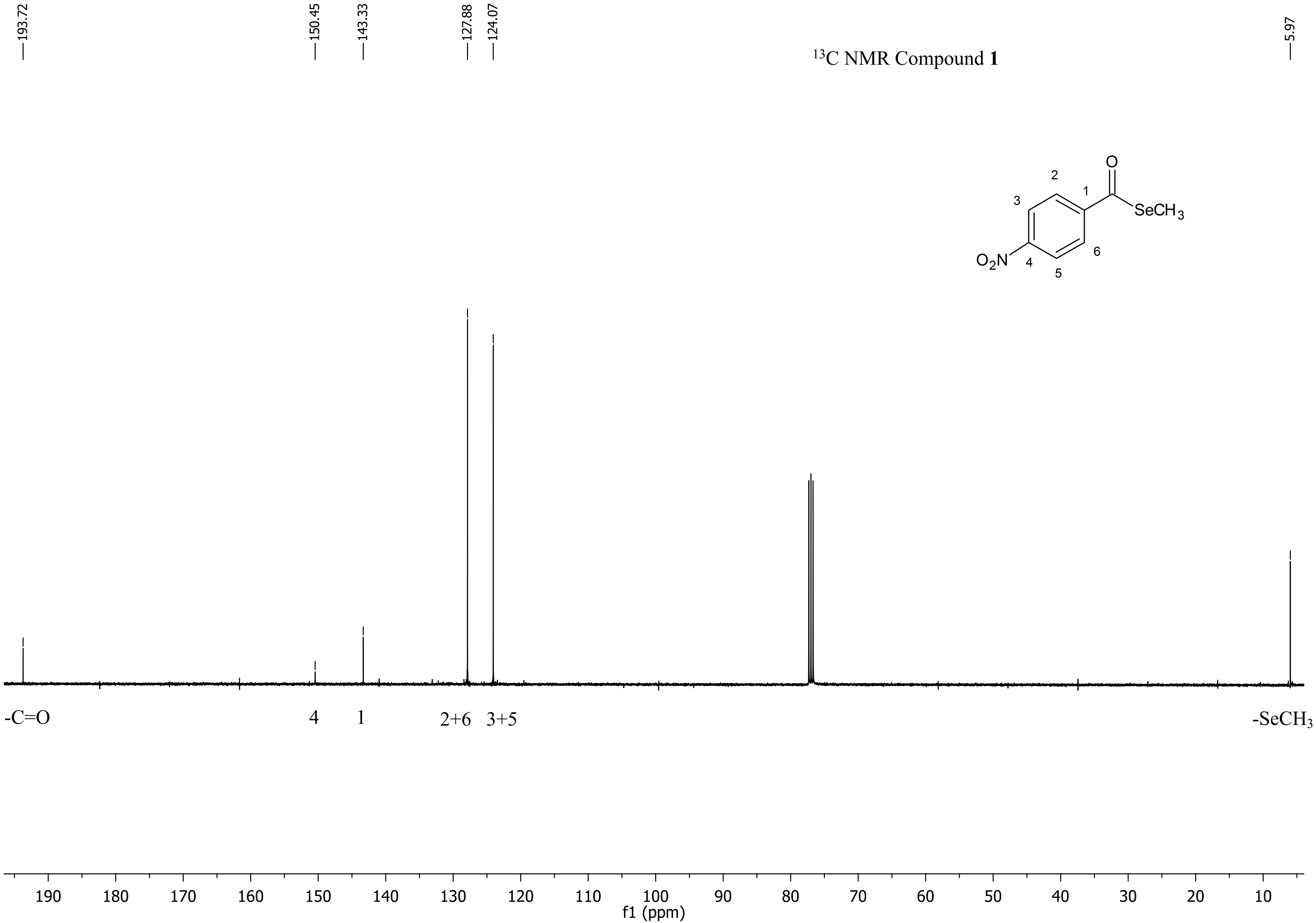
Contents:
Representative spectra (^{1}H and ^{13}C NMR) of the methylselenoesters

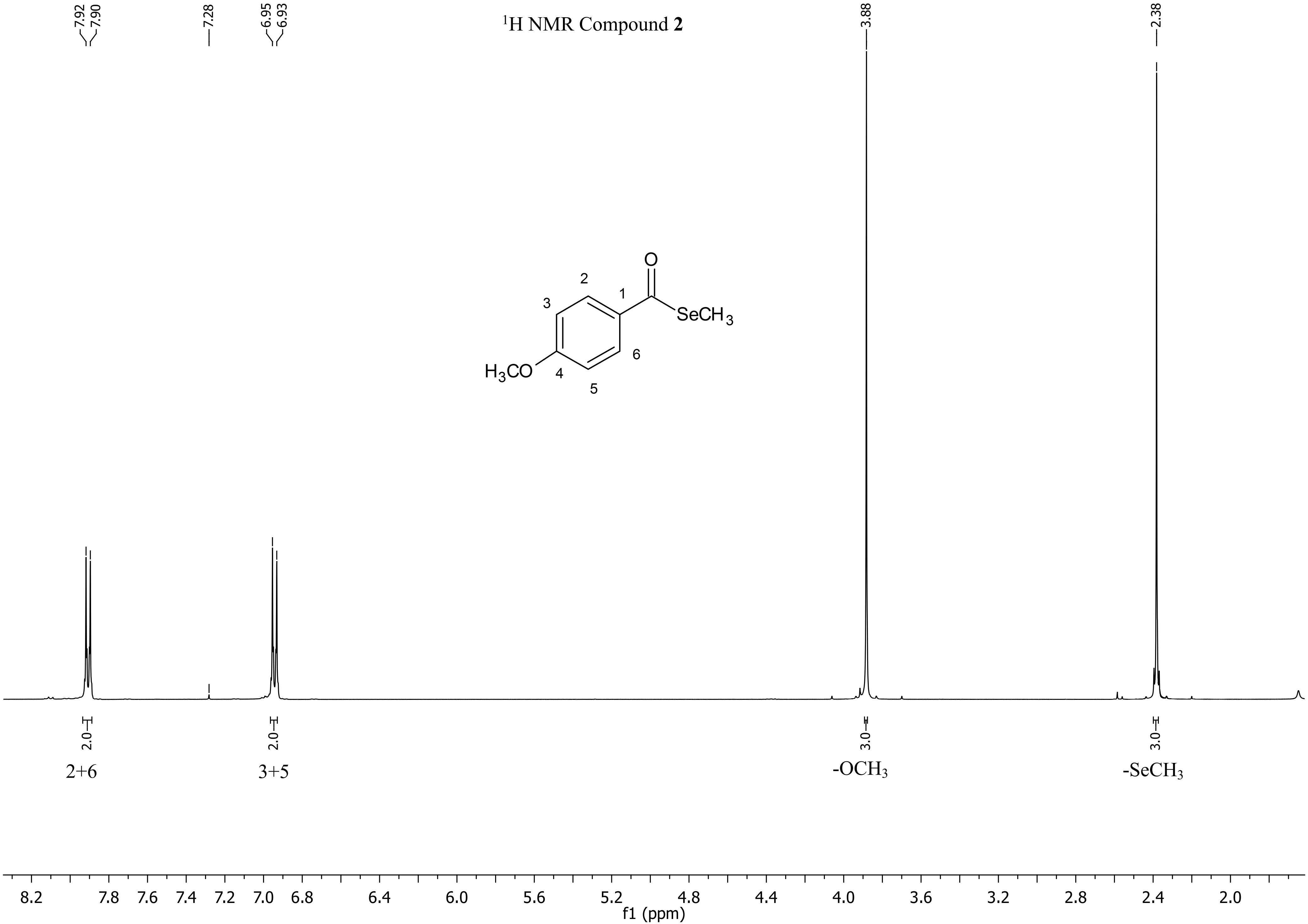


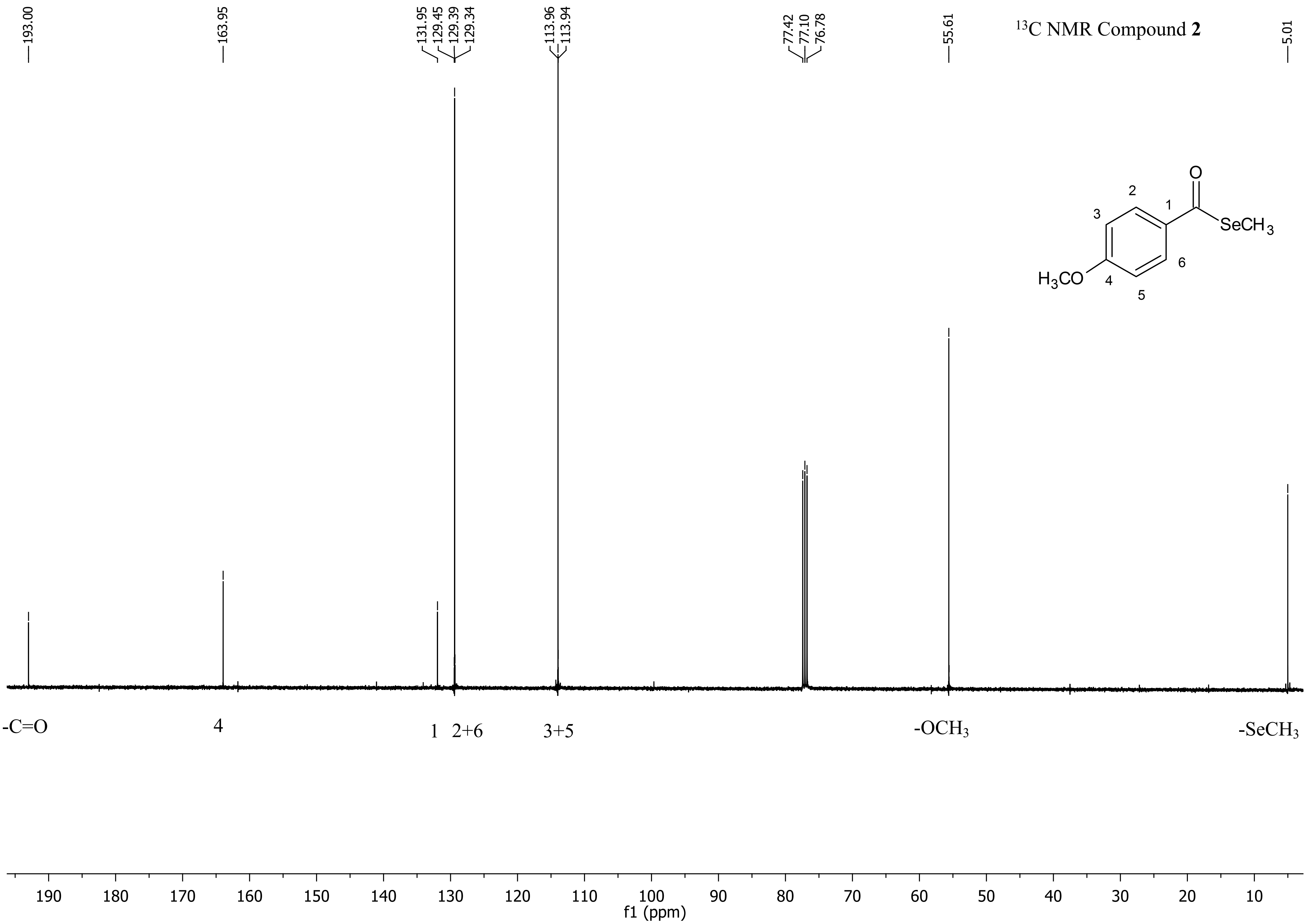
^{1}H NMR Compound **1**

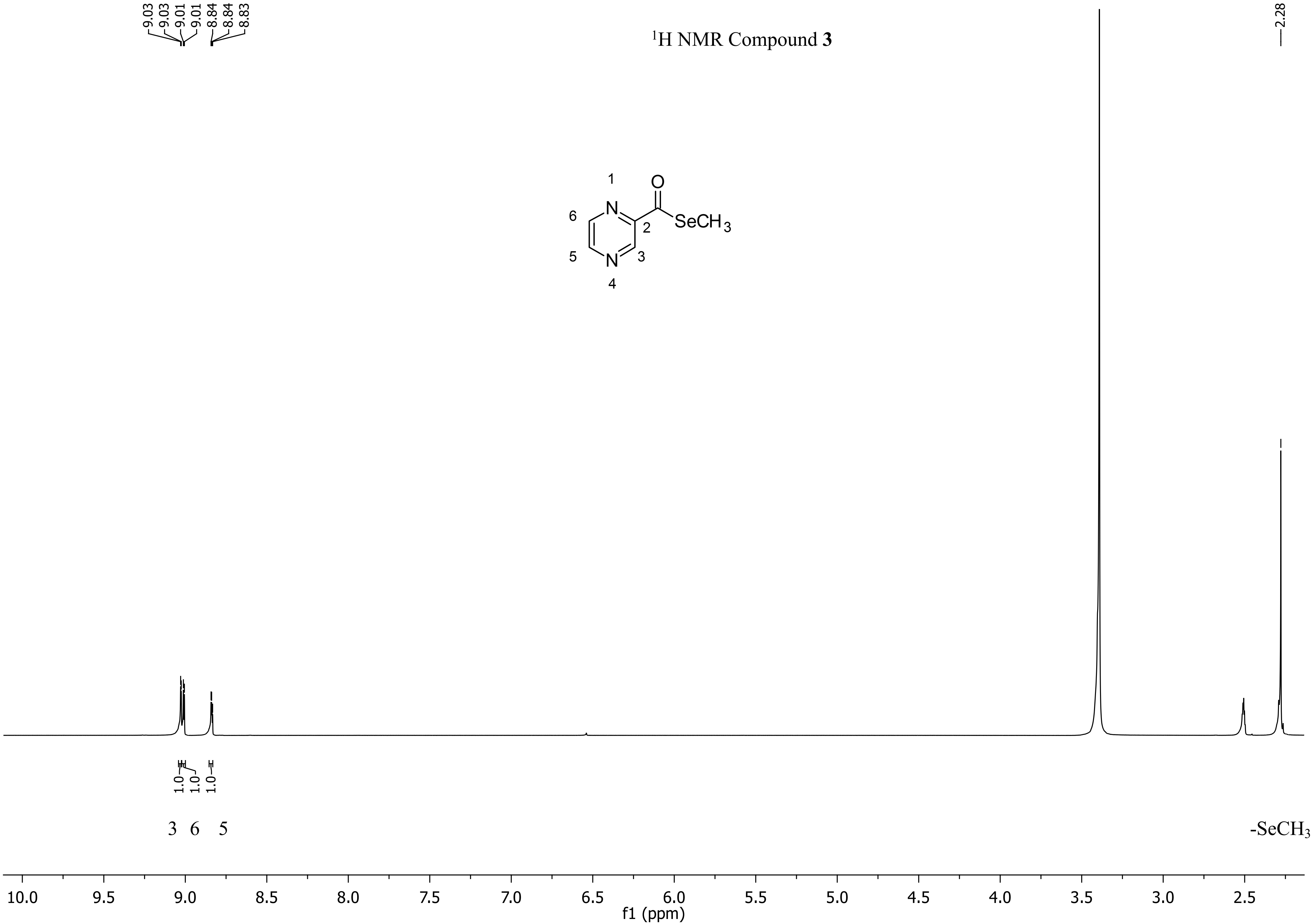


^{13}C NMR Compound **1**

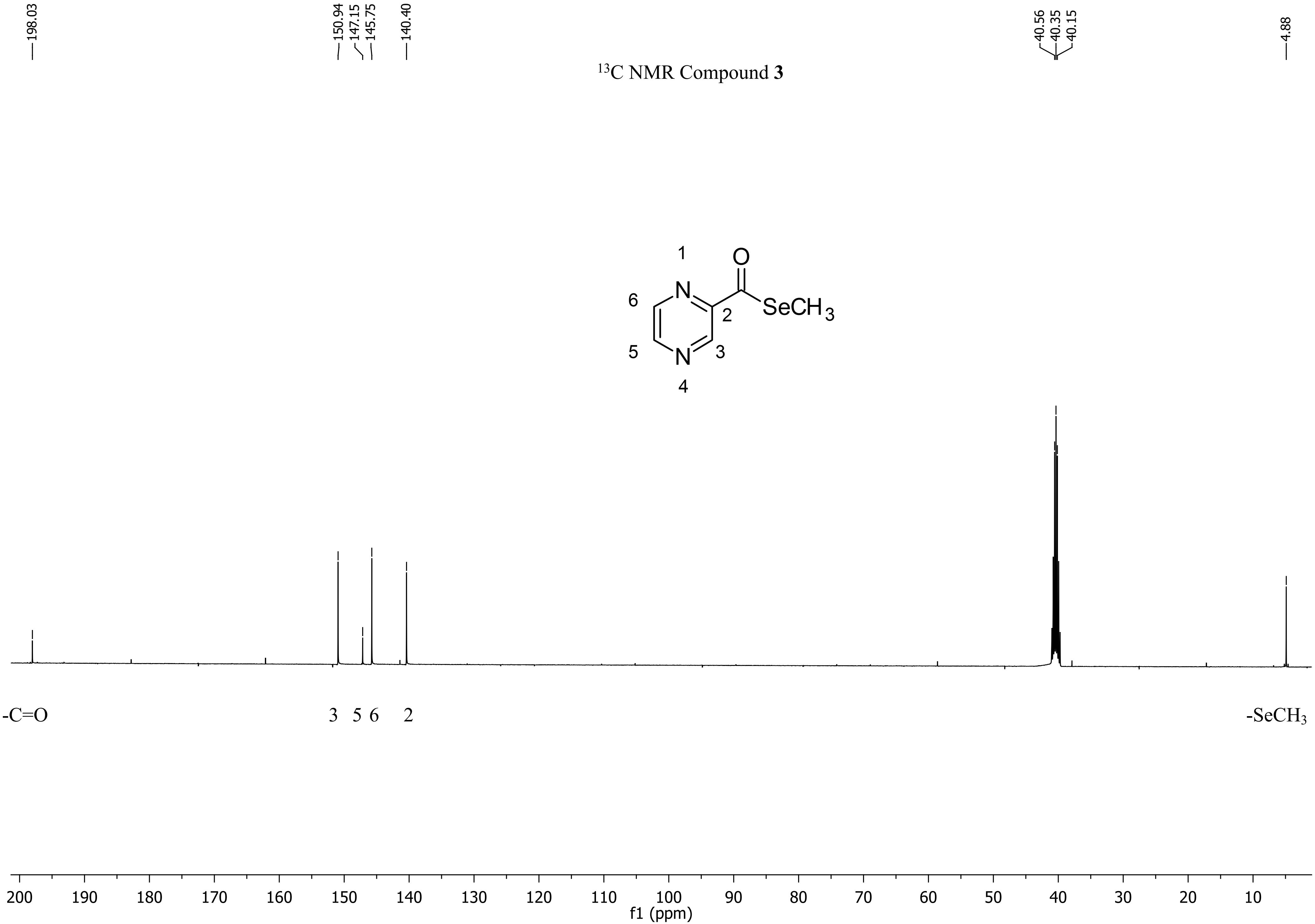
^{1}H NMR Compound **2**

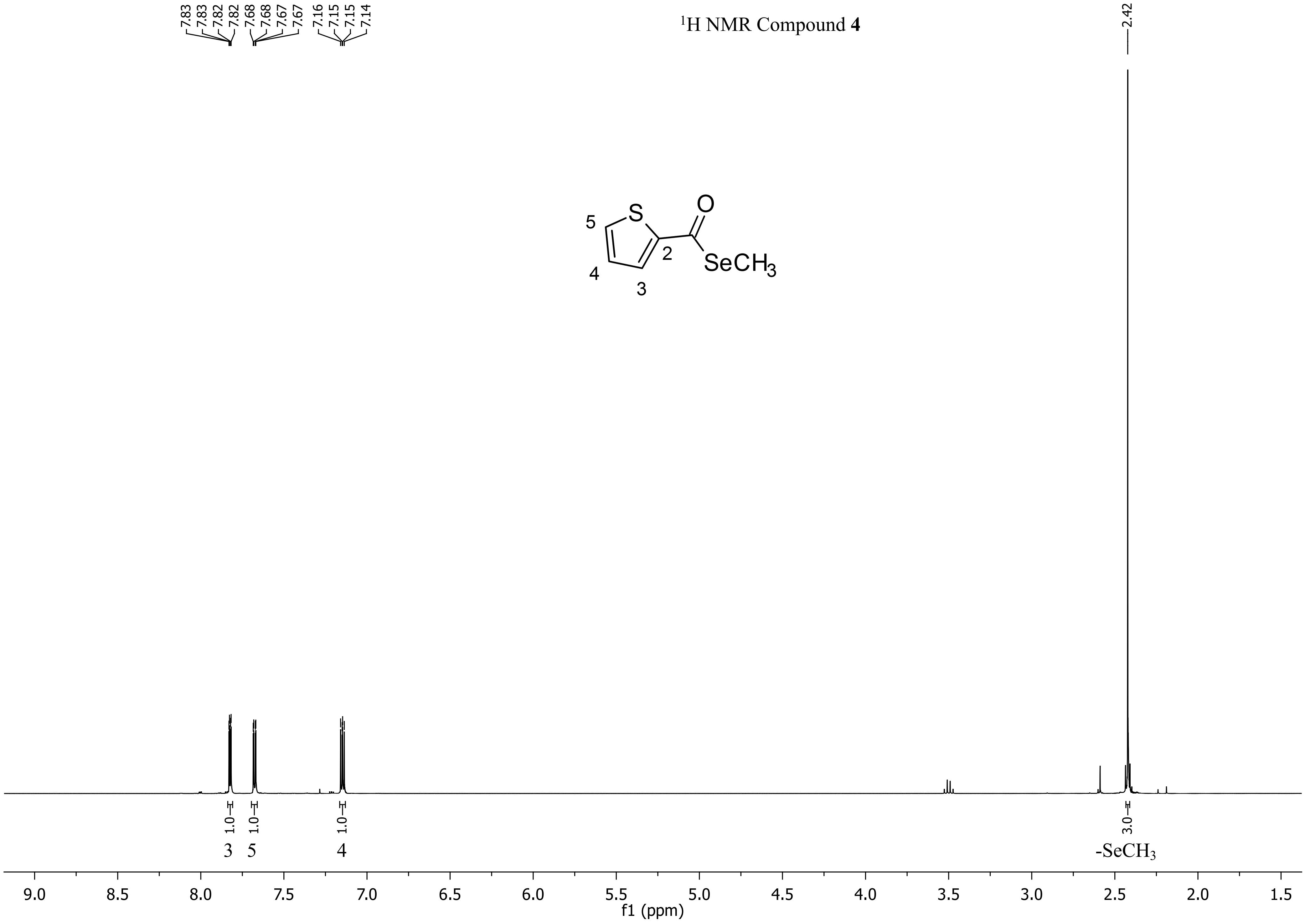



^{13}C NMR Compound **2**

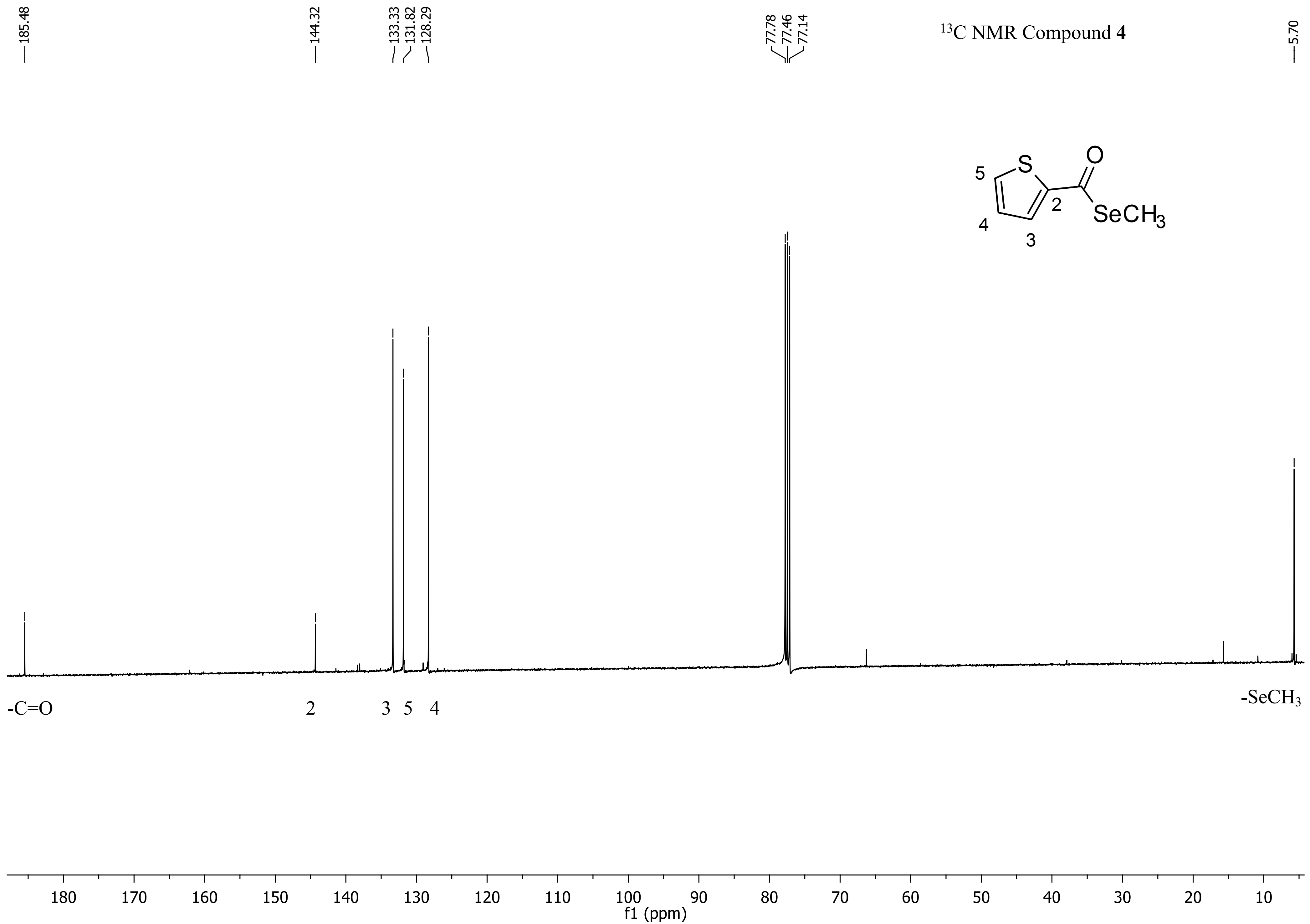

^{1}H NMR Compound **3**

^{13}C NMR Compound **3**



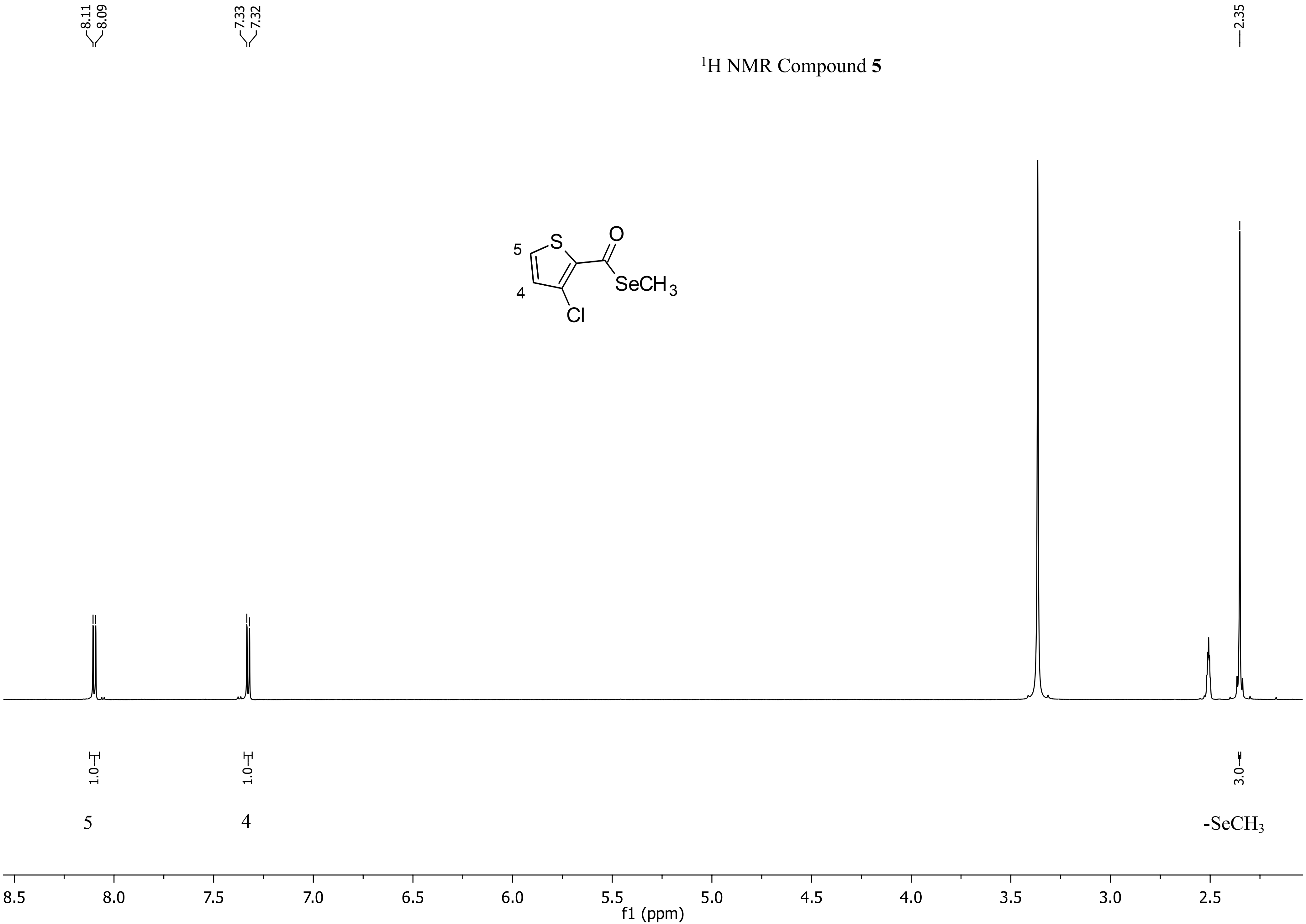


^{1}H NMR Compound **4**

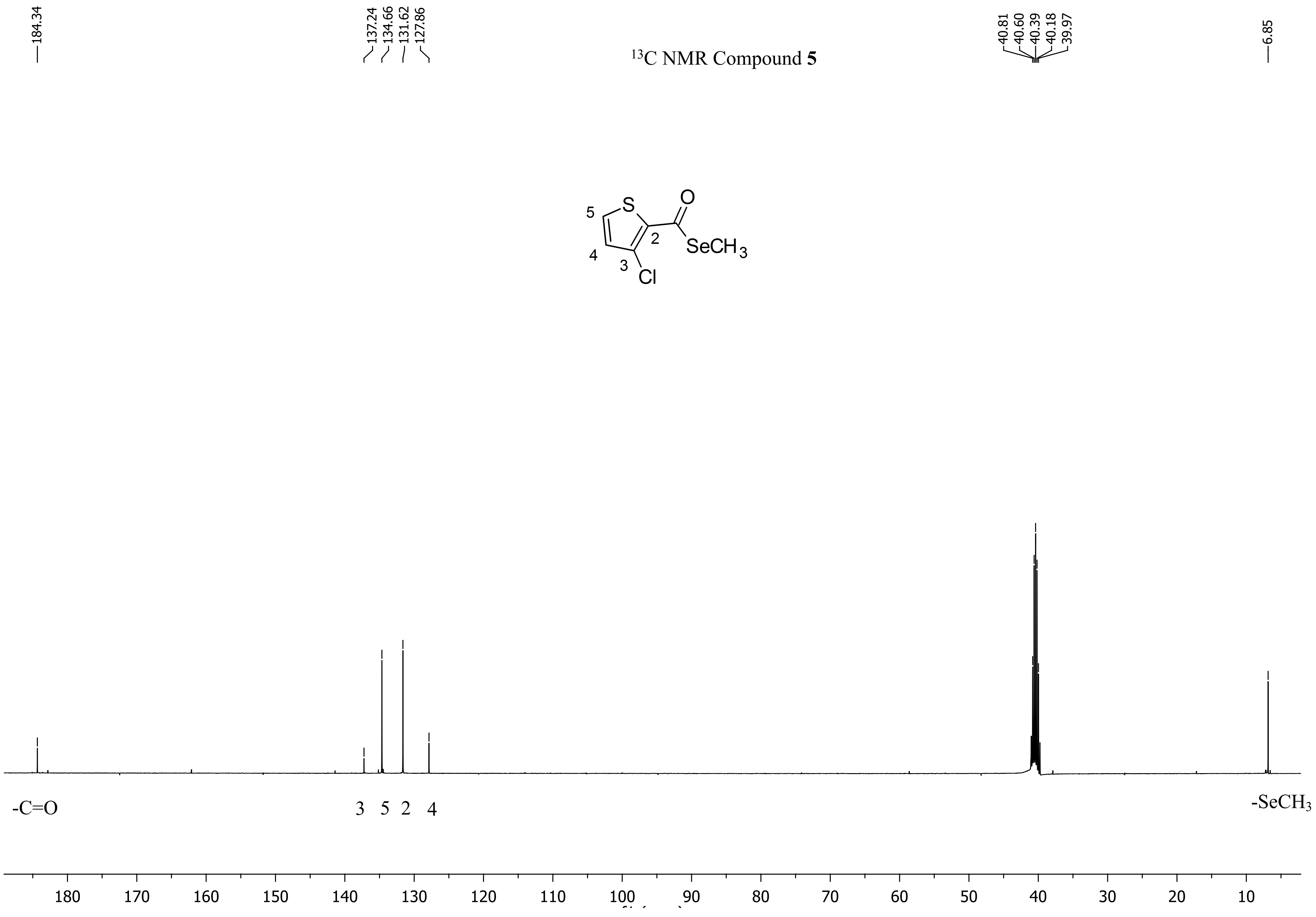


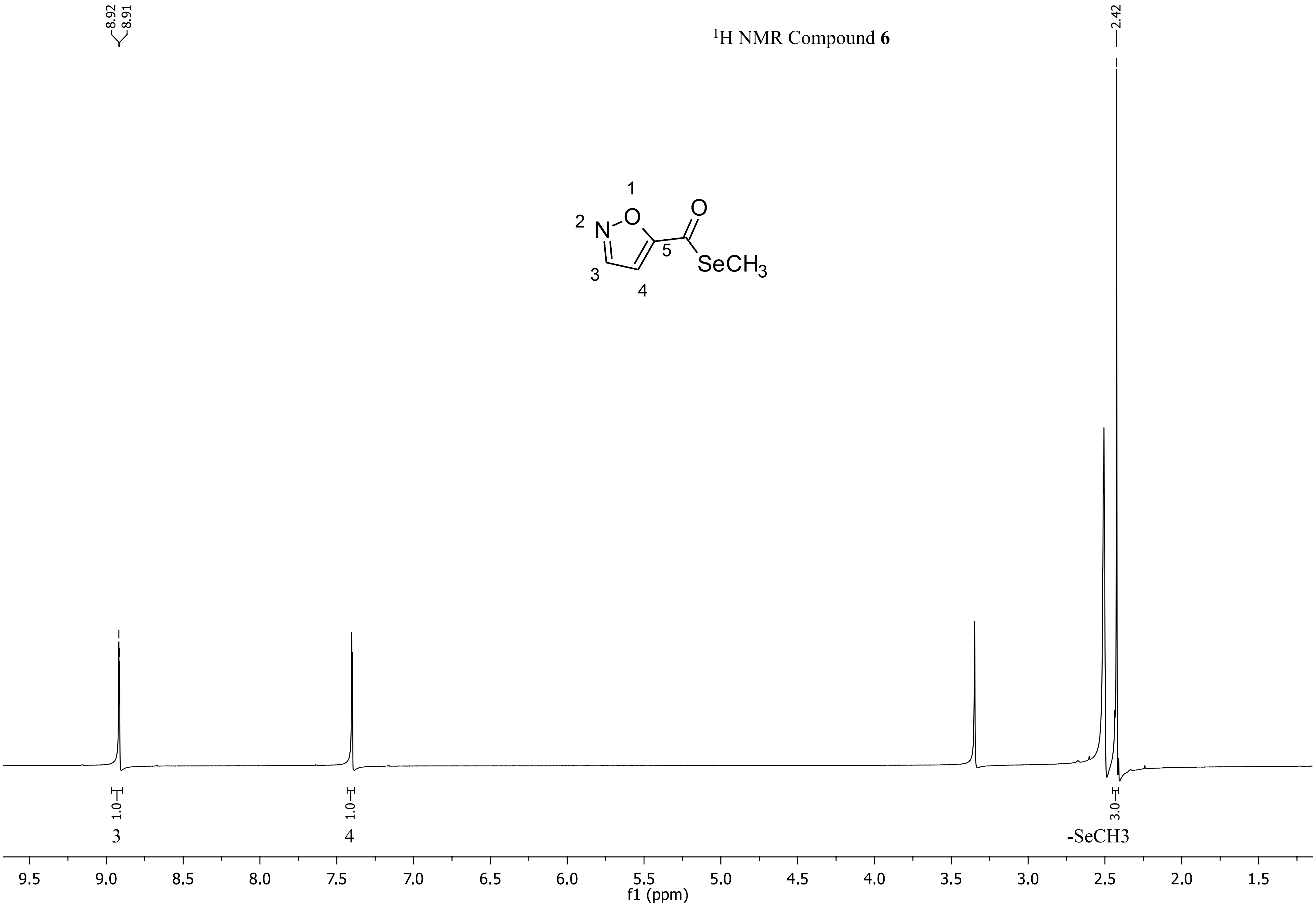
185.48
144.32
133.33
131.82
128.29
77.78
77.46
77.14
5.70
¹³C NMR Compound 4
S
O
SeCH3
2
3
4
5
-C=O
2
3 5 4
-SeCH3
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
f1 (ppm)

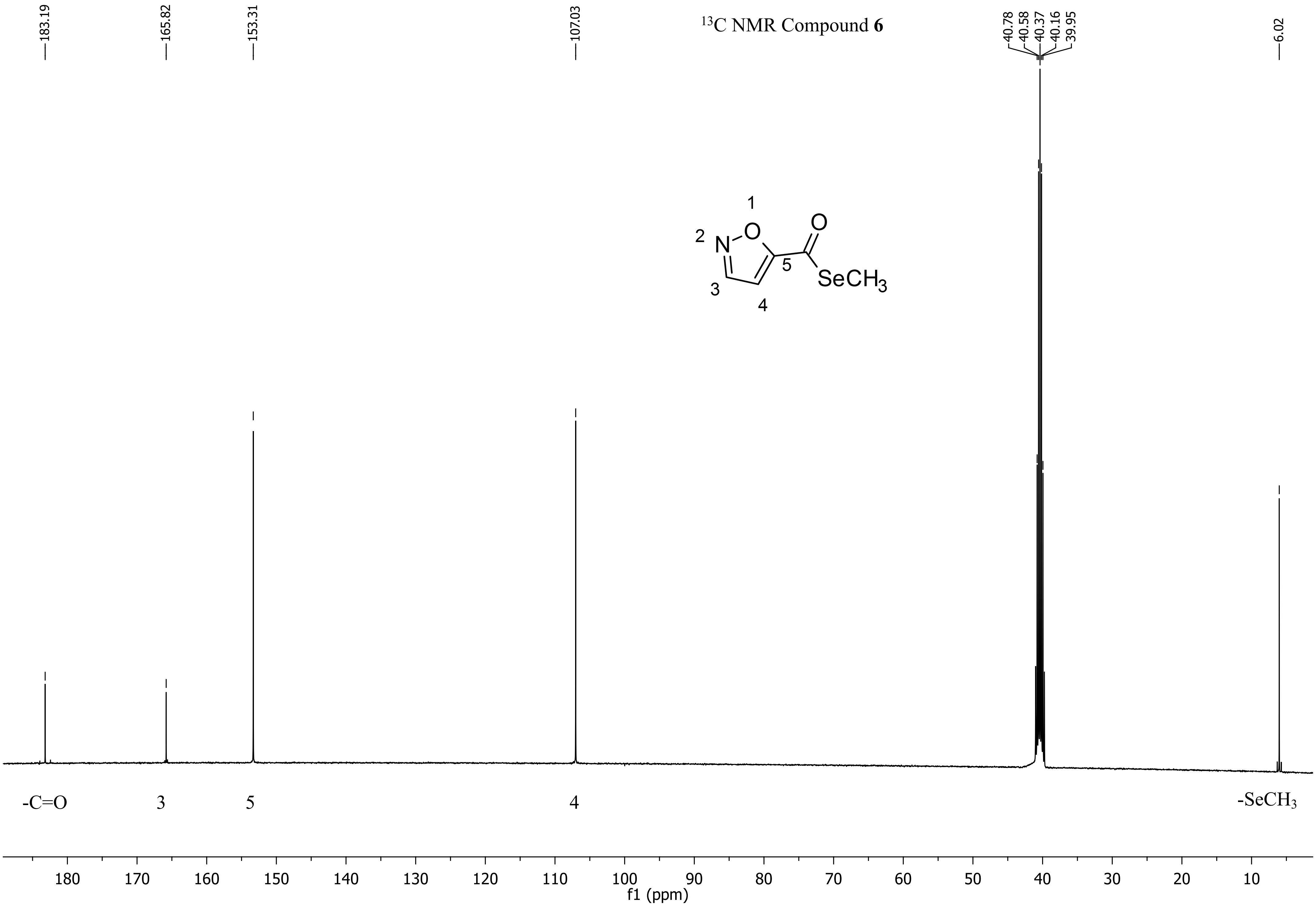
^{1}H NMR Compound **5**



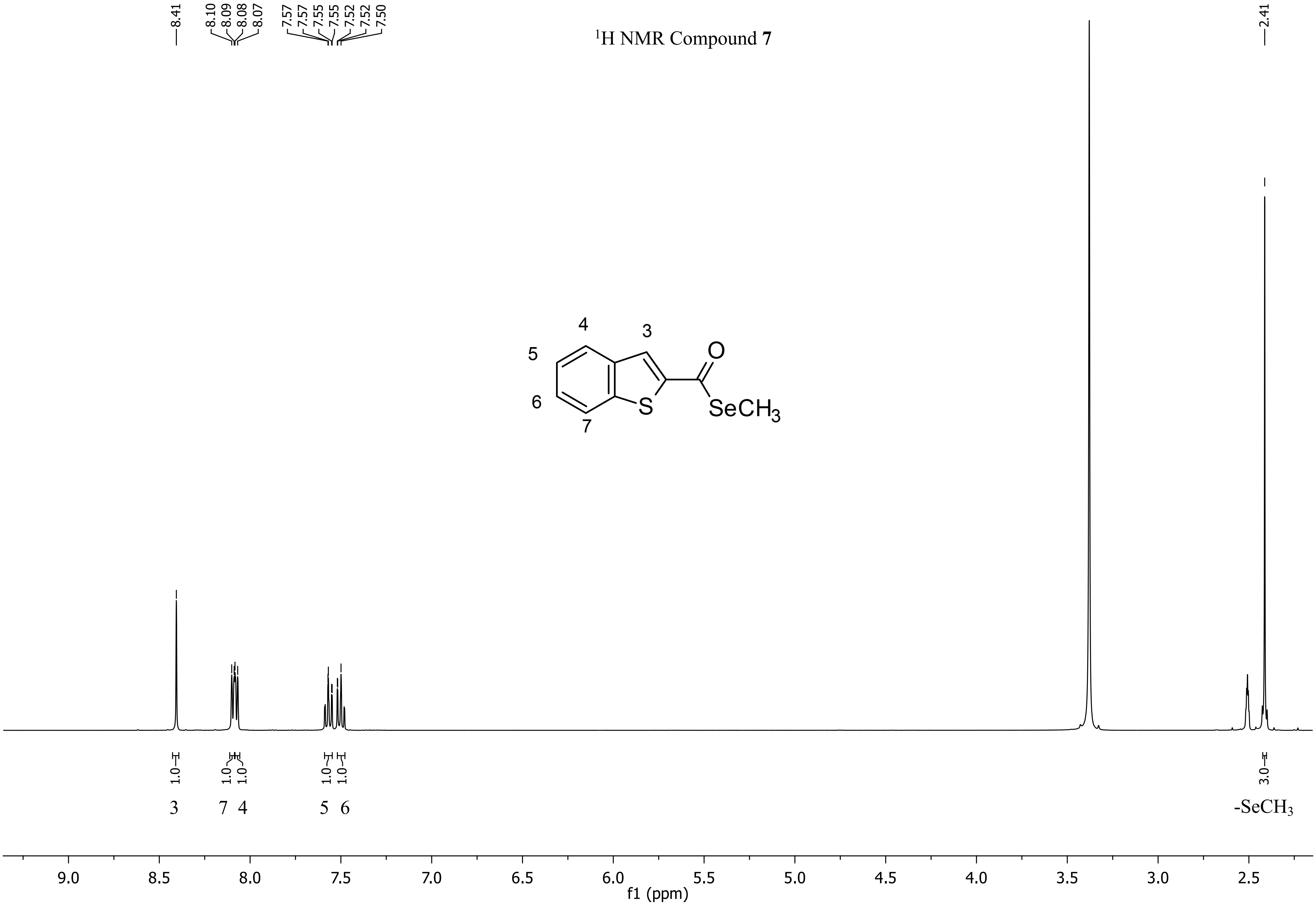
^{13}C NMR Compound **5**




^{1}H NMR Compound **6**

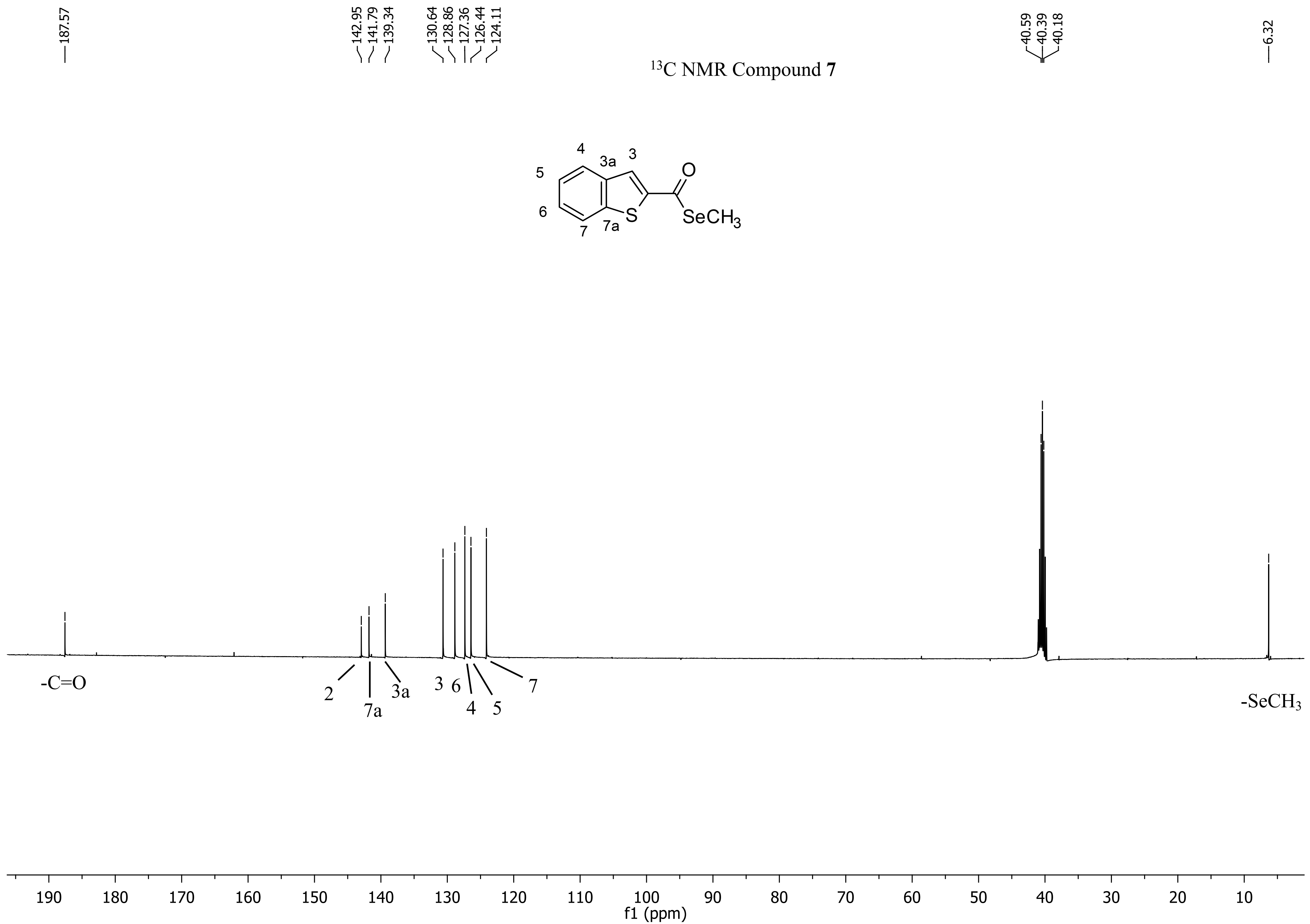


^{13}C NMR Compound **6**

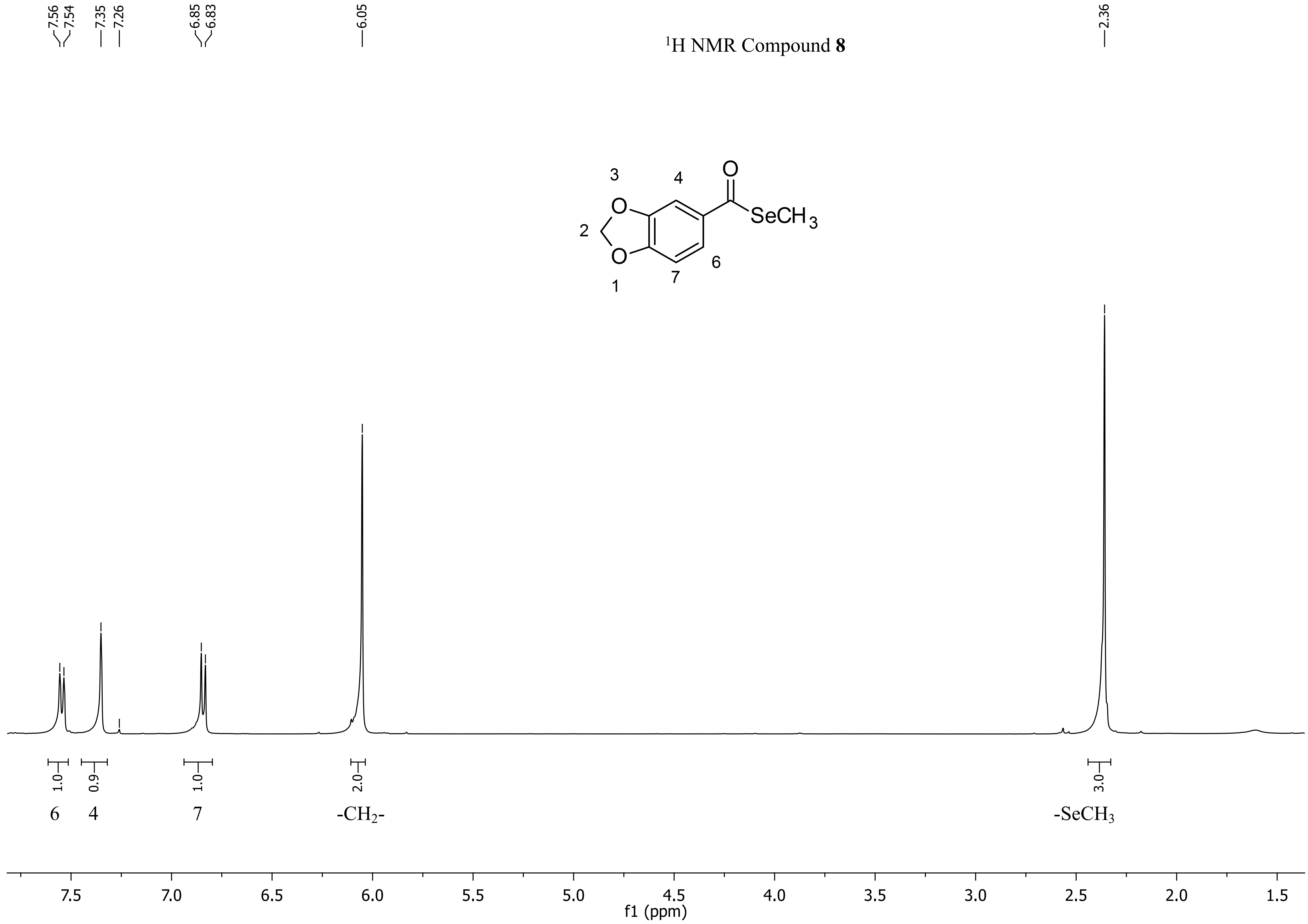


^{1}H NMR Compound **7**

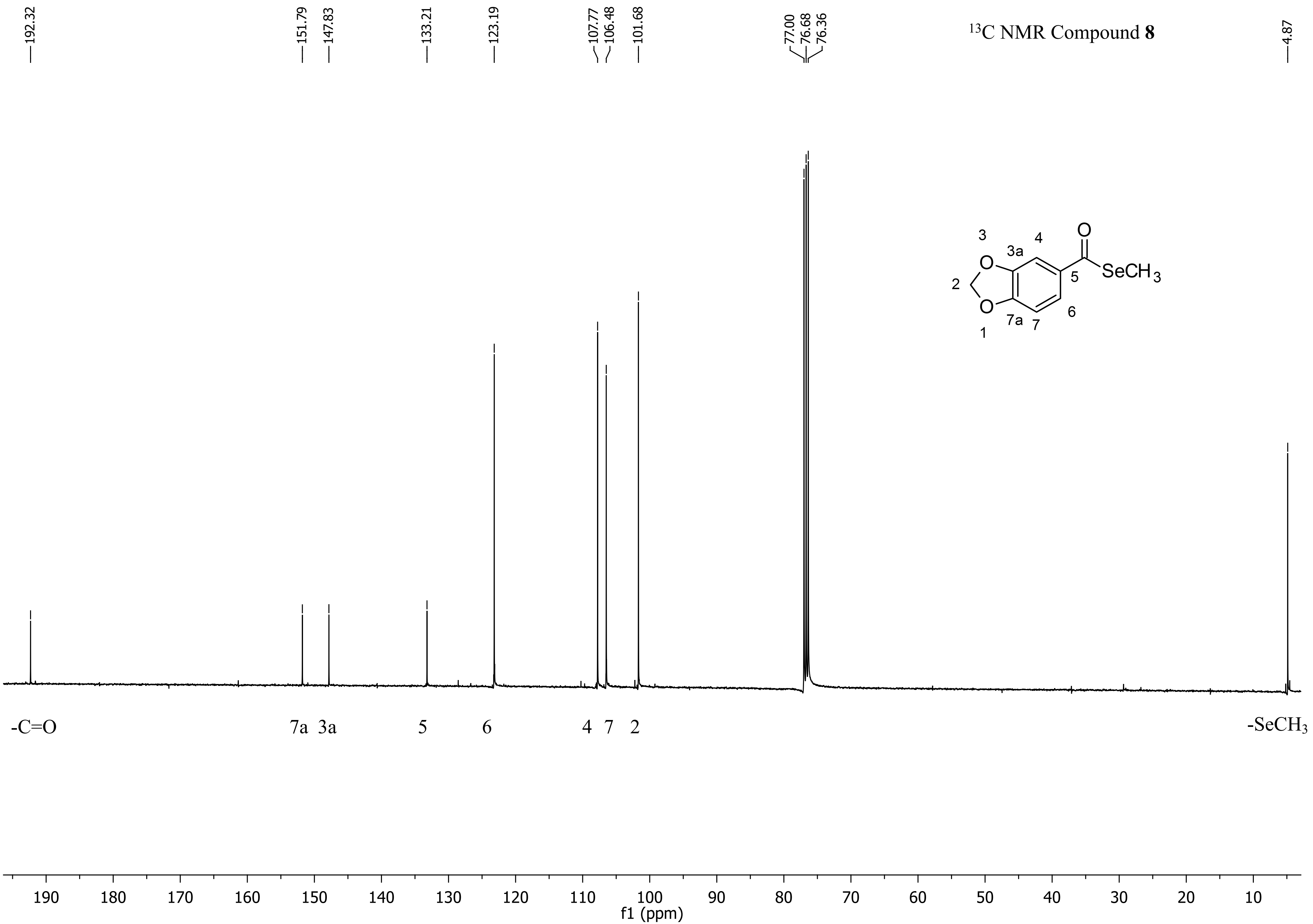
^{13}C NMR Compound **7**



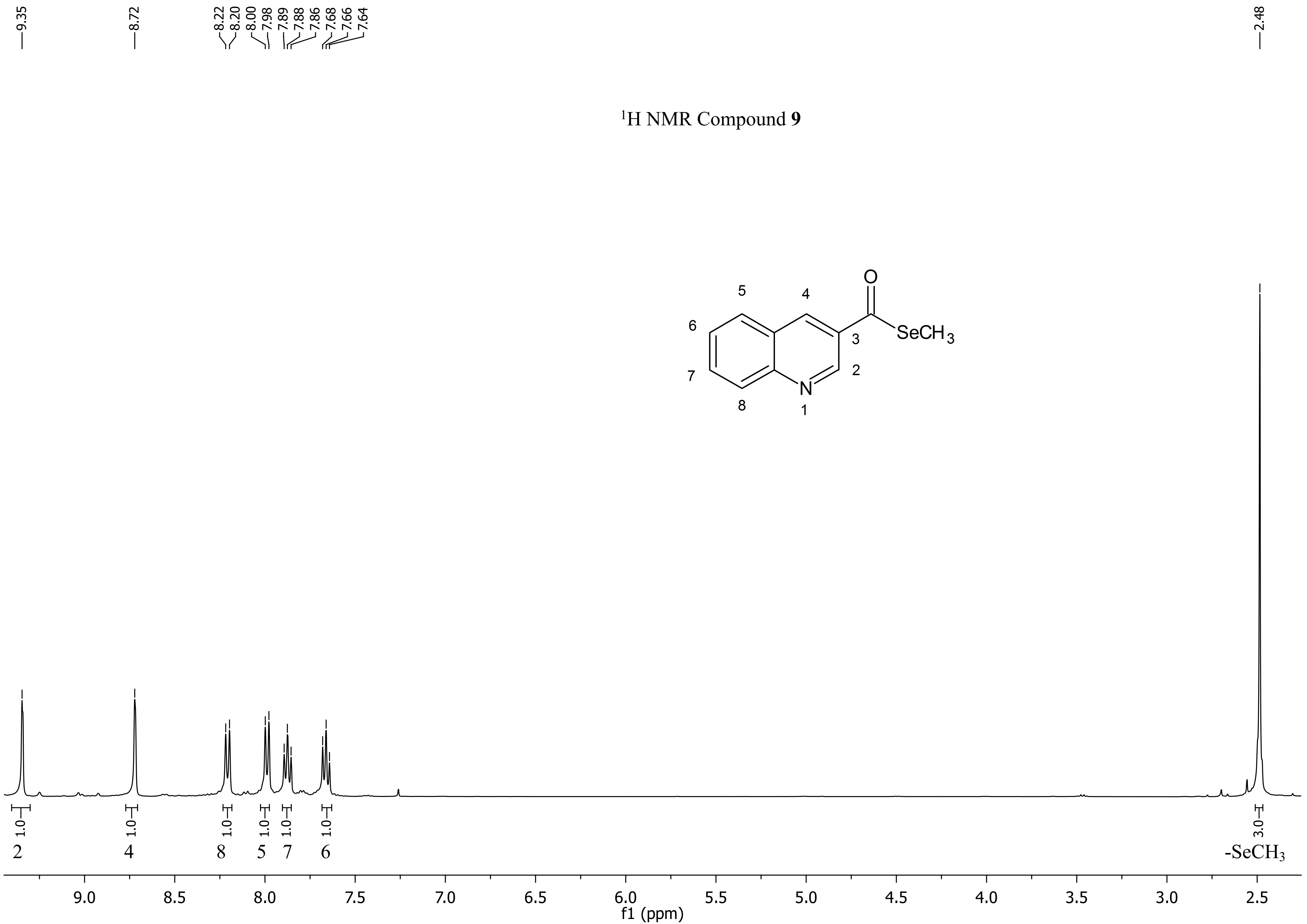
^{1}H NMR Compound **8**



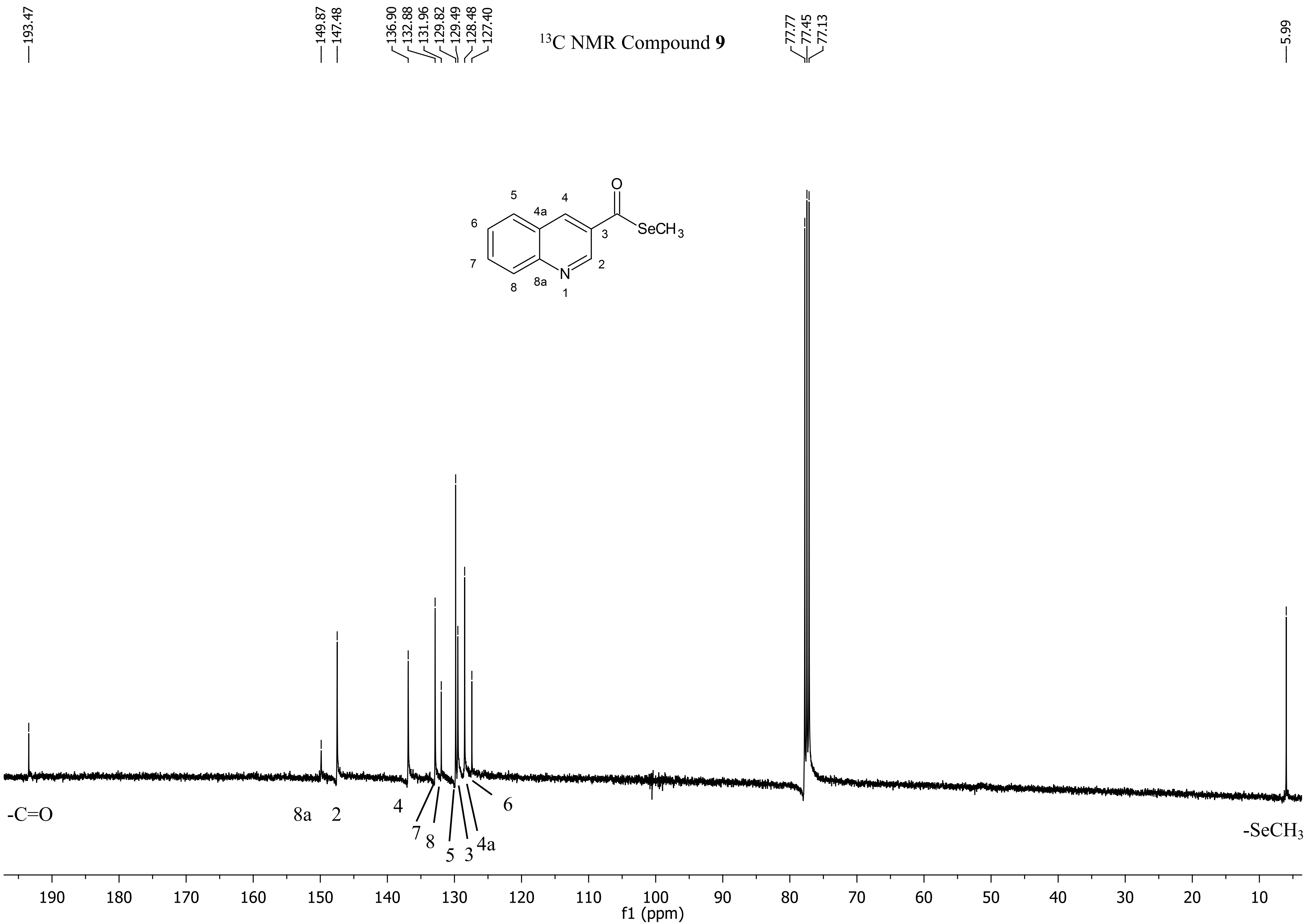
^{13}C NMR Compound **8**



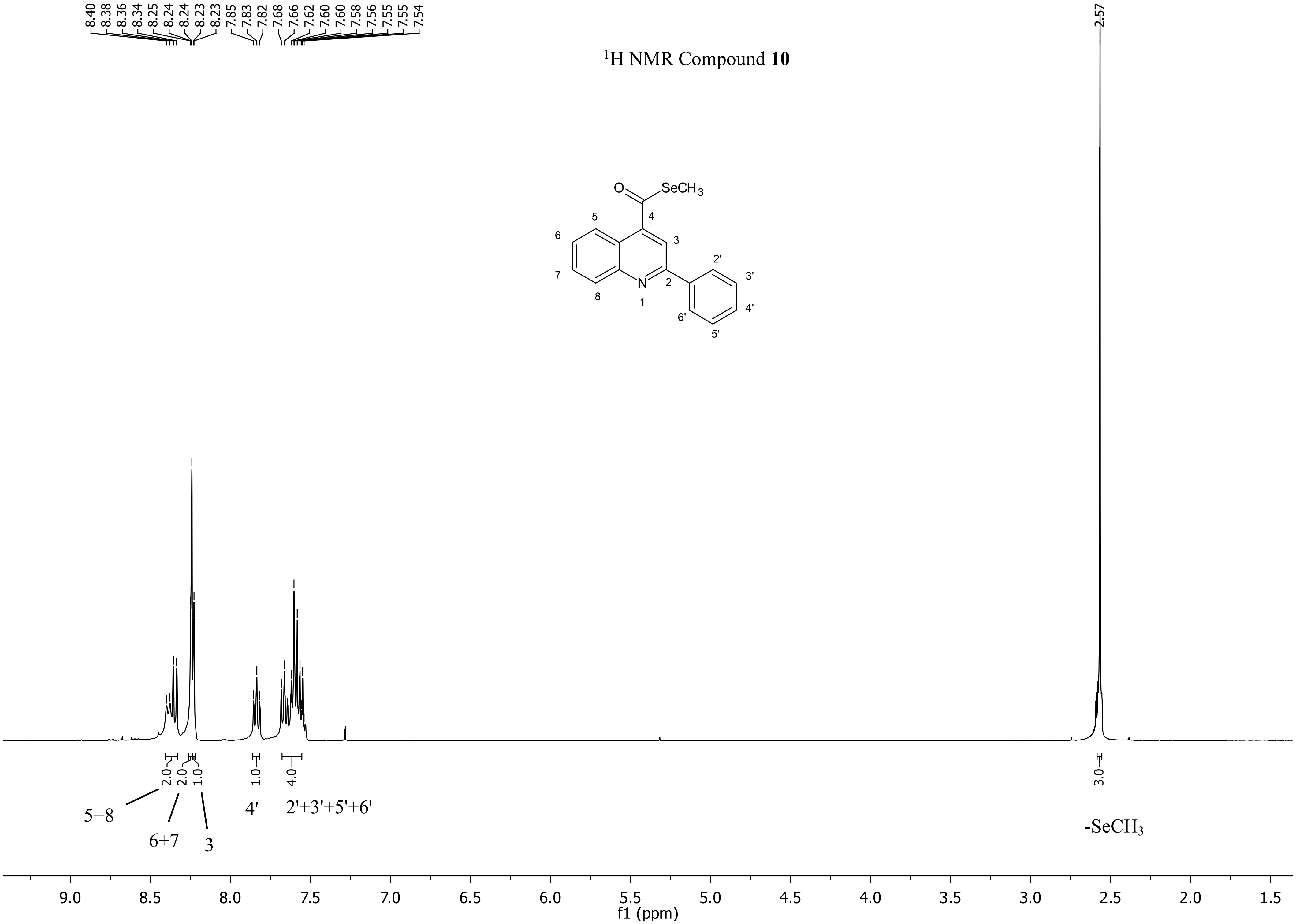
^{1}H NMR Compound **9**

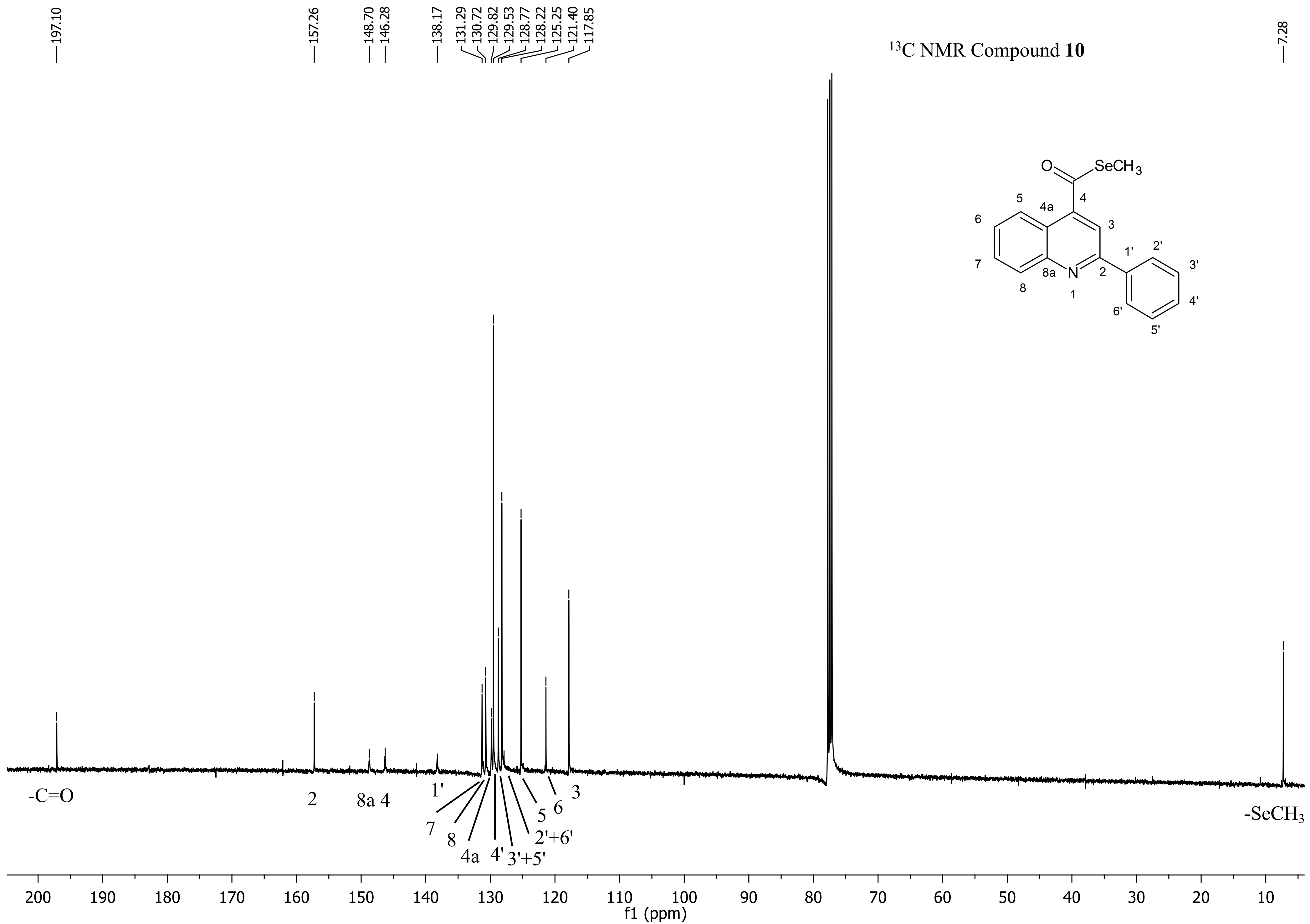


^{13}C NMR Compound **9**

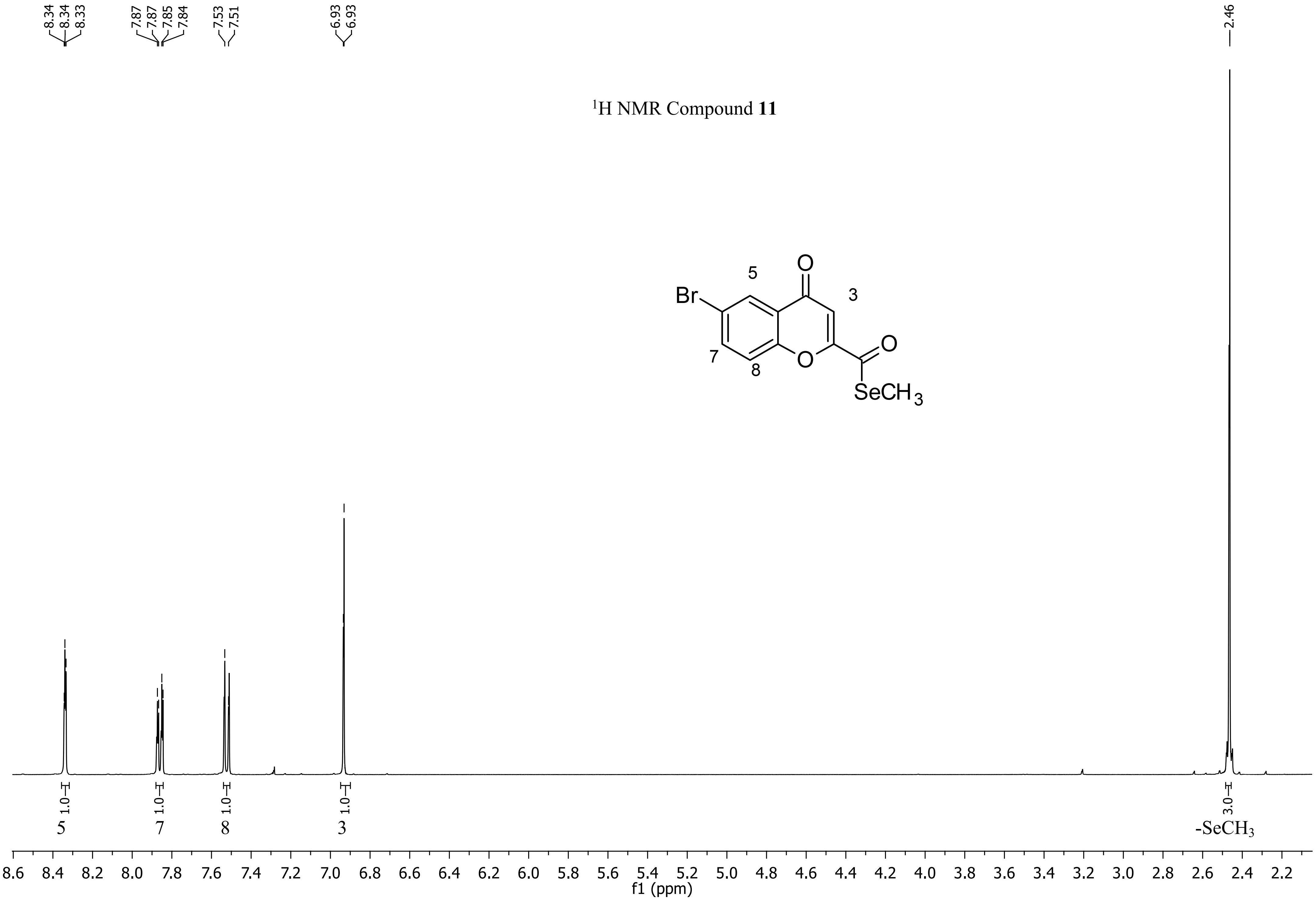


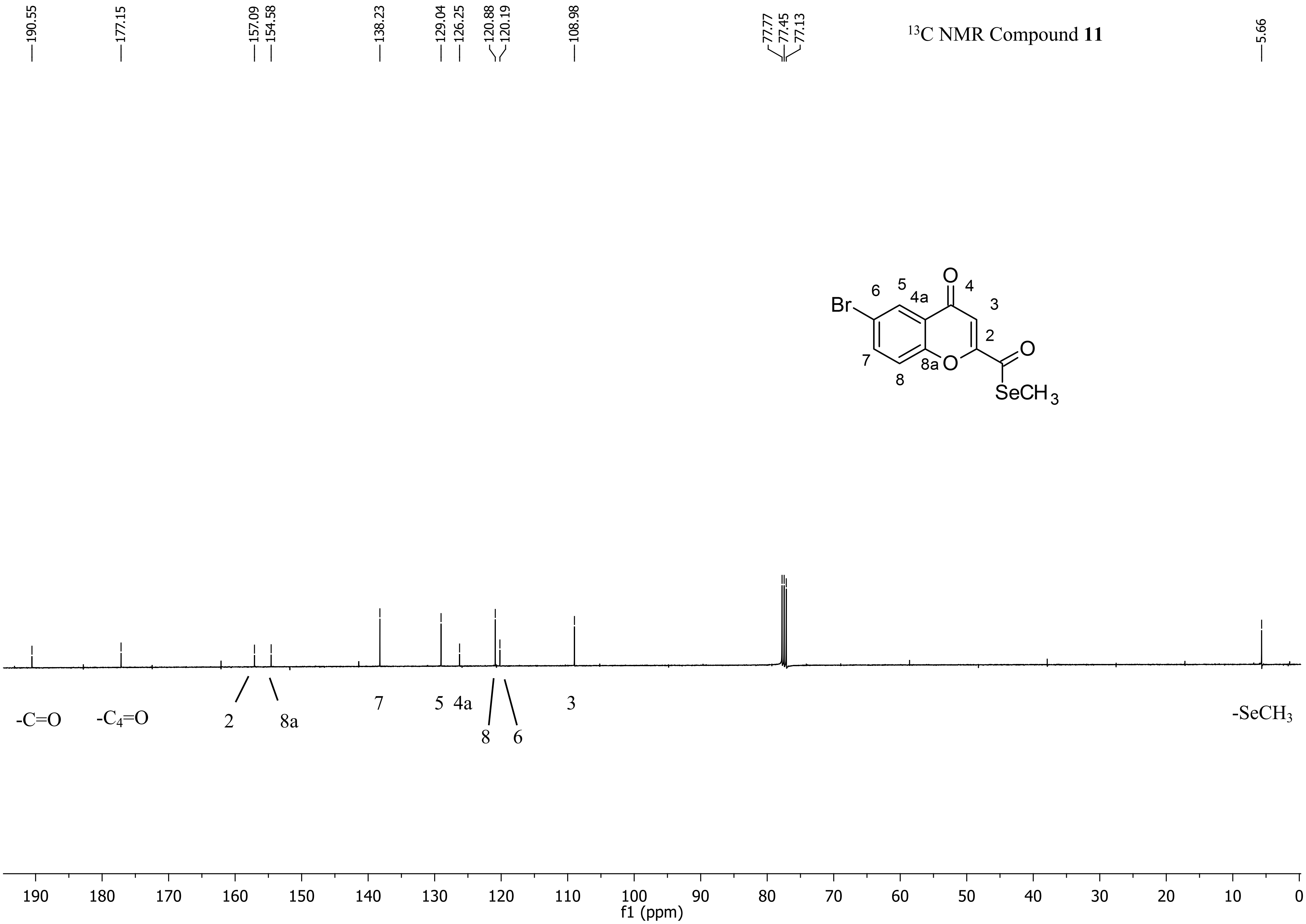
^{1}H NMR Compound **10**





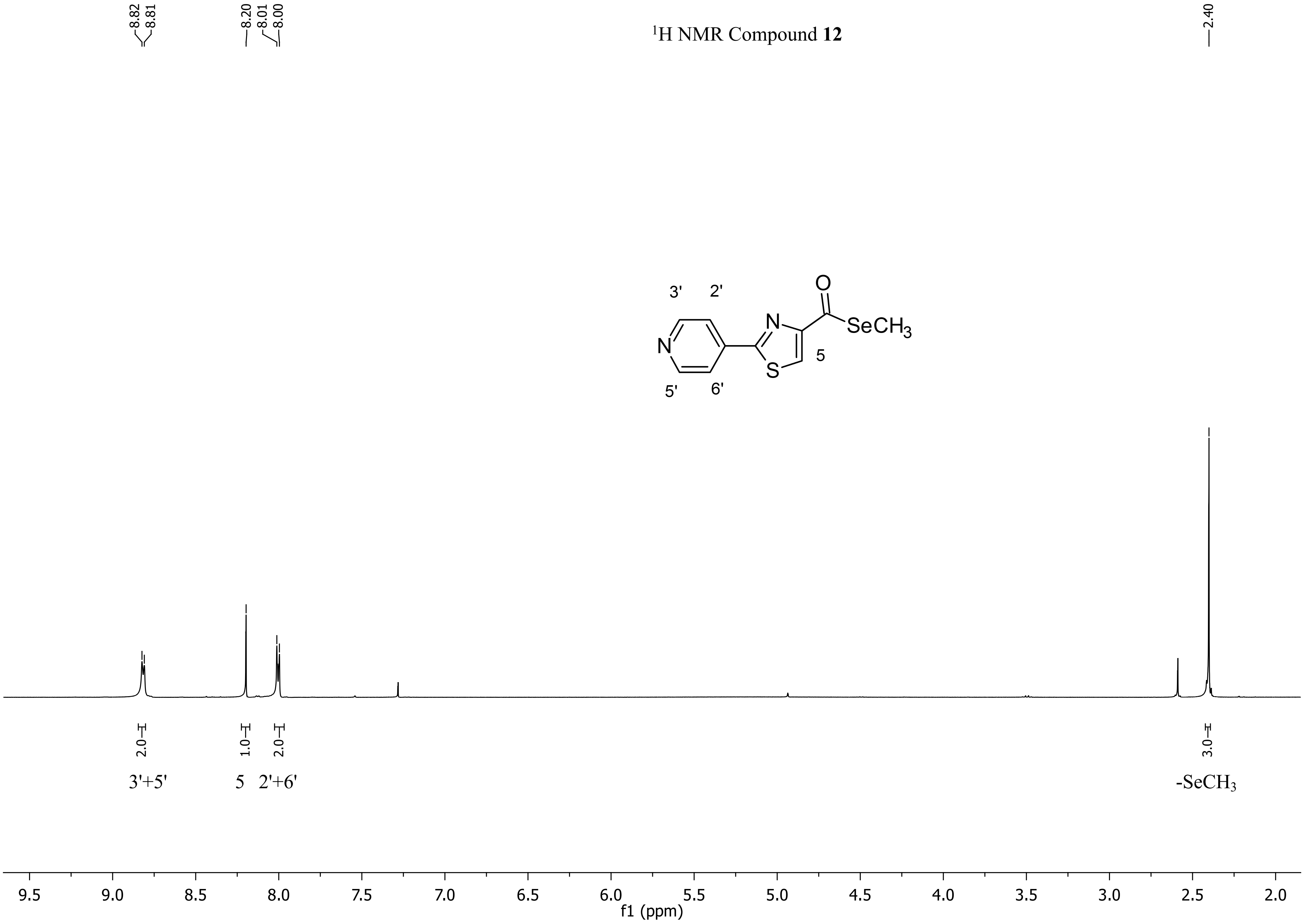
^{13}C NMR Compound **10**

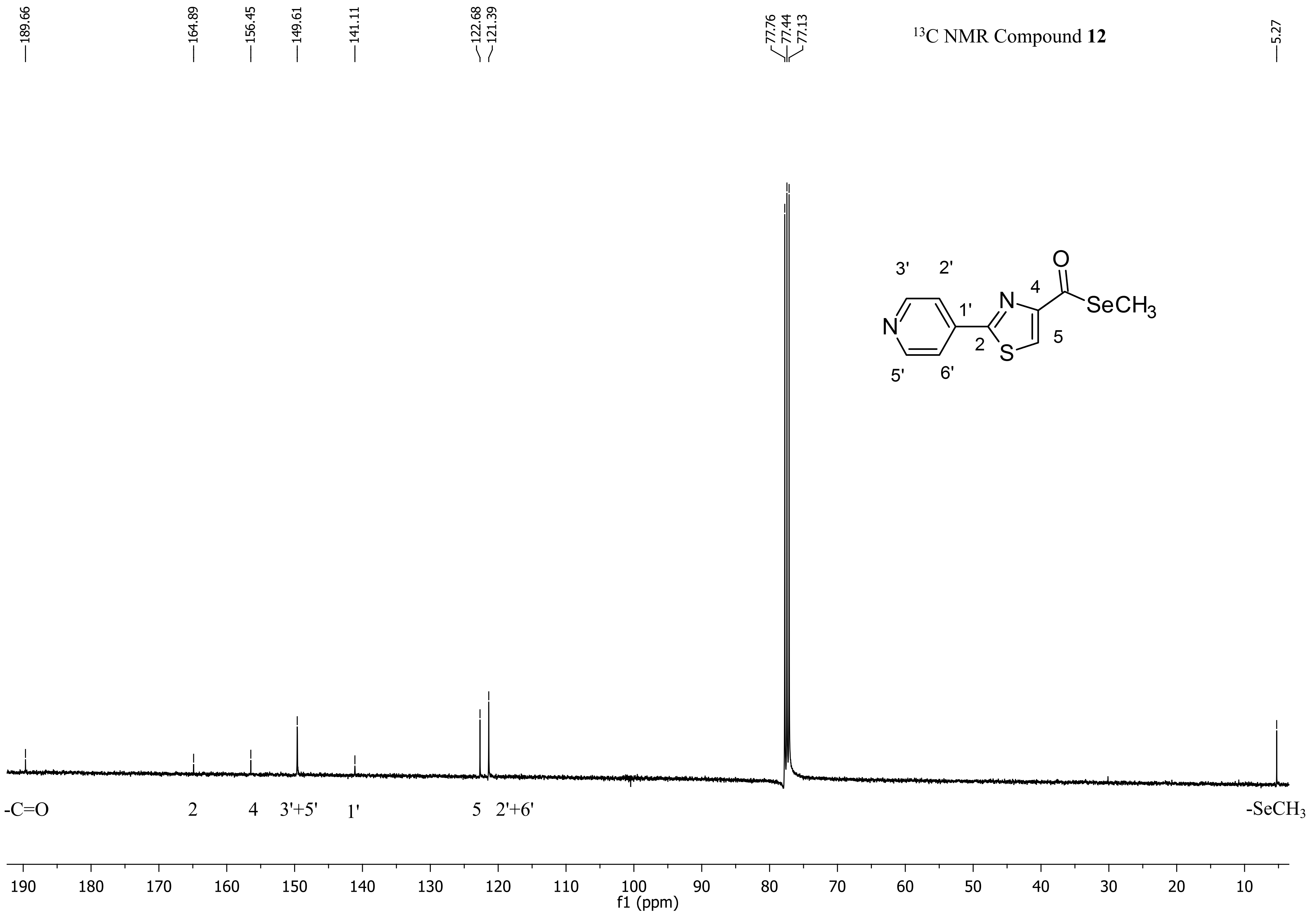

^{1}H NMR Compound **11**



^{13}C NMR Compound **11**

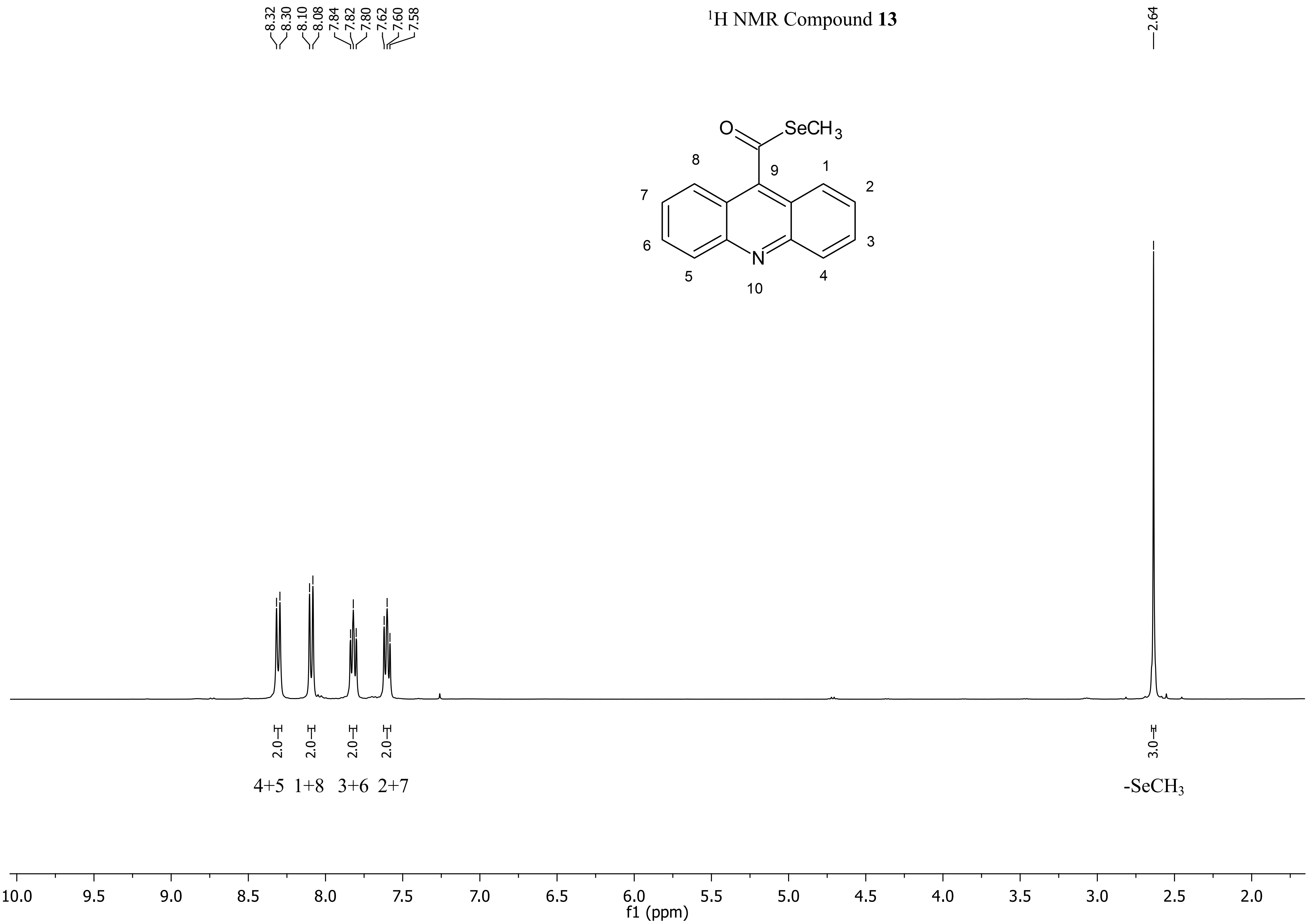
^{1}H NMR Compound **12**

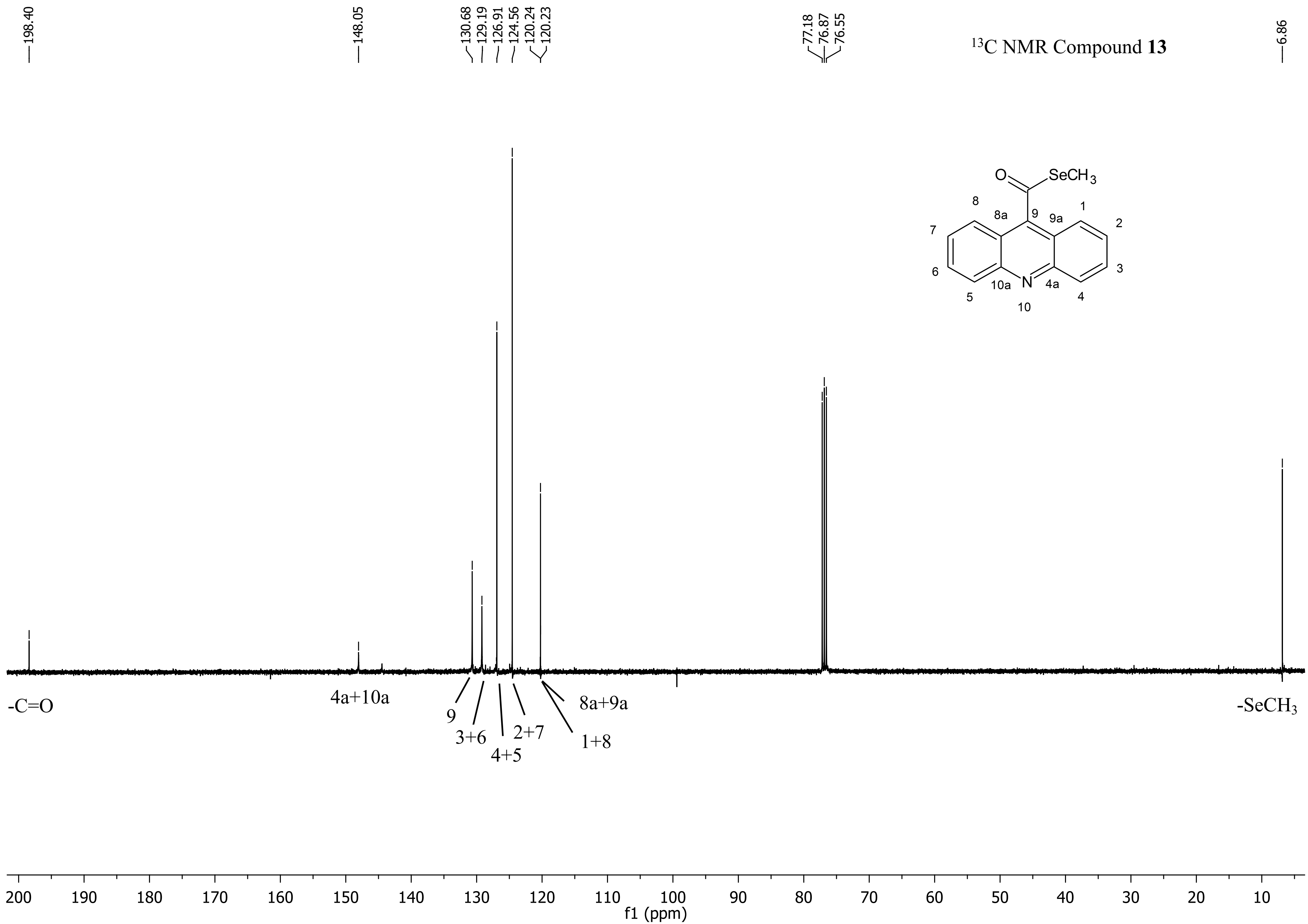


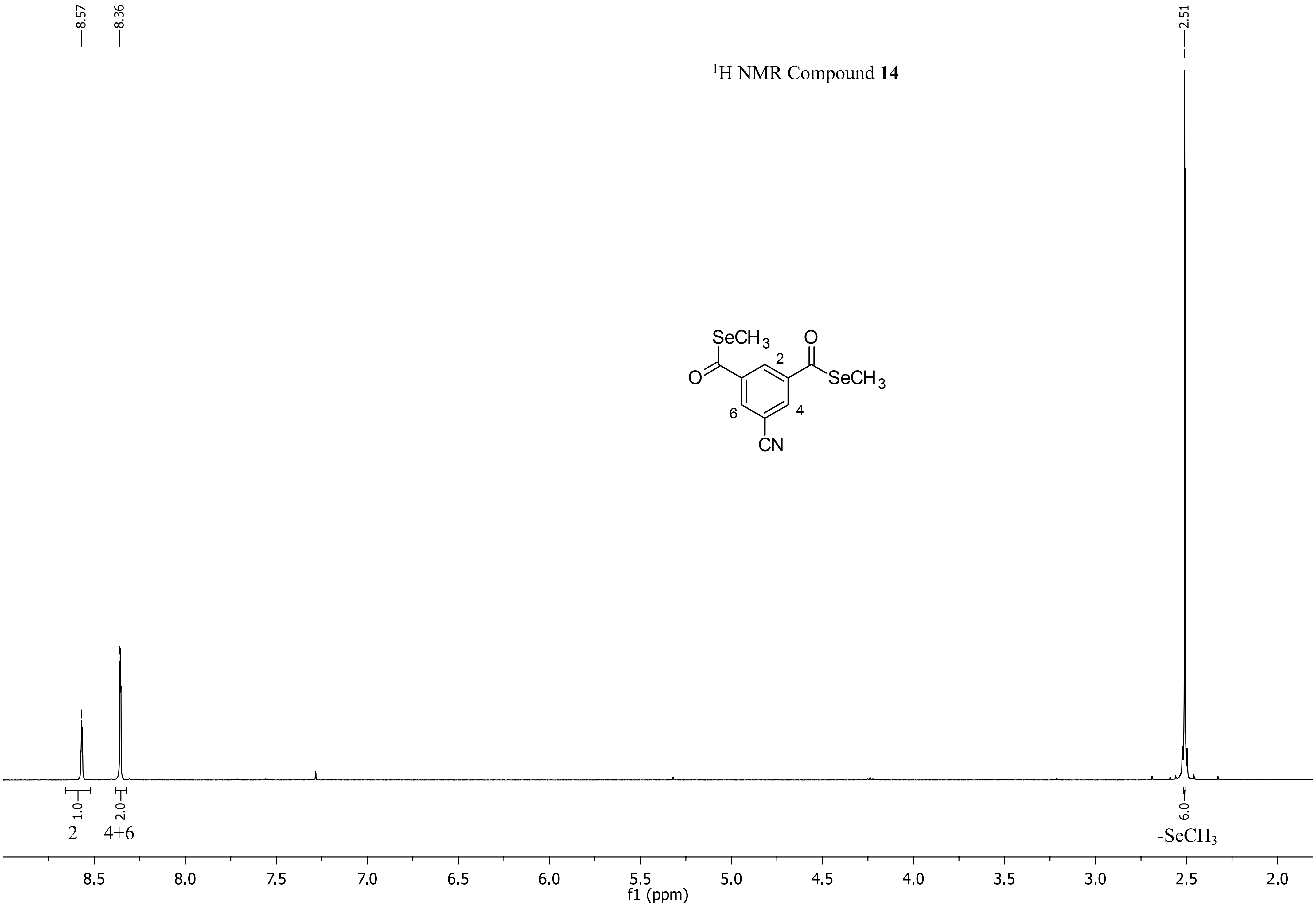


^{13}C NMR Compound **12**

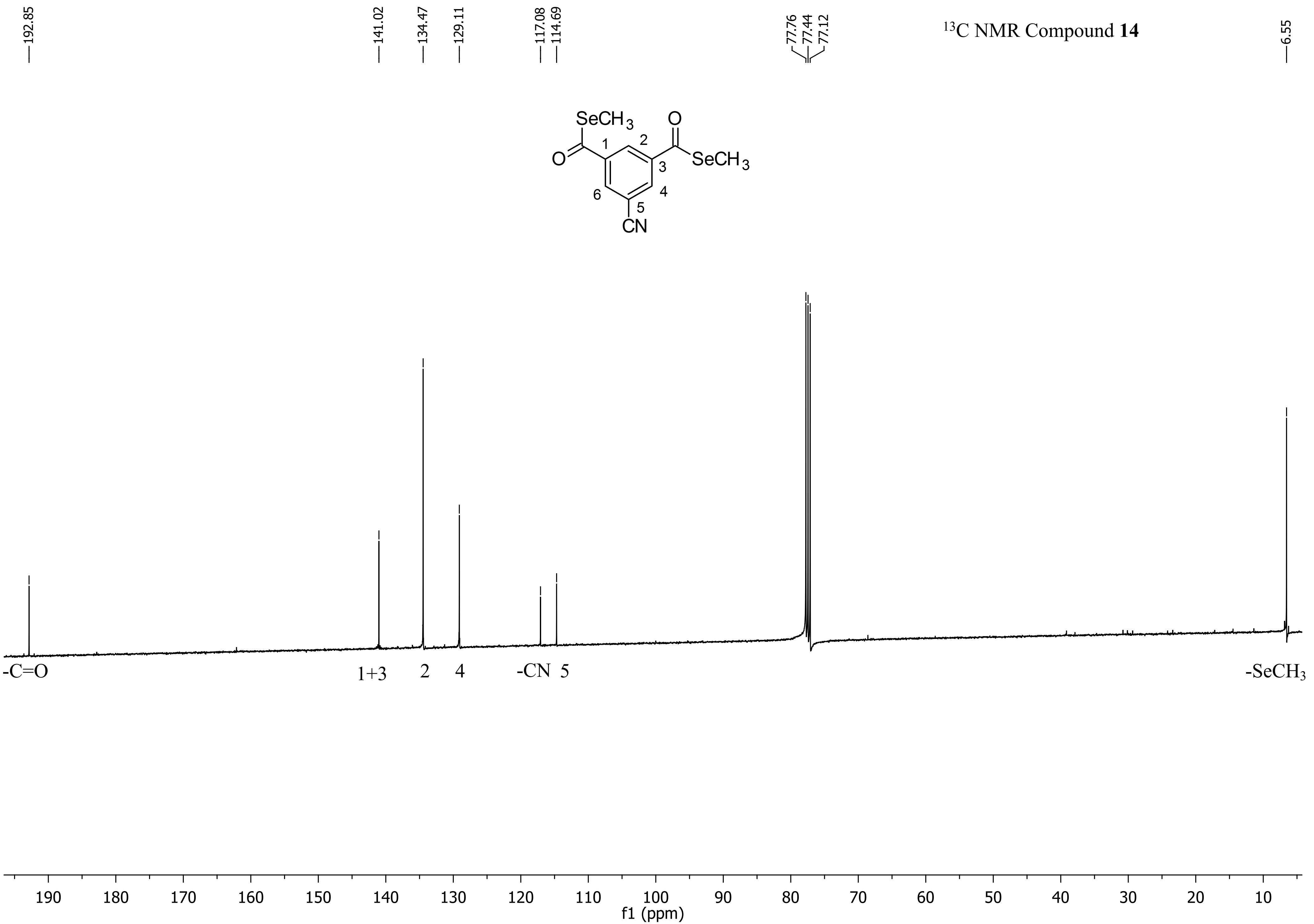
^{1}H NMR Compound **13**




198.40
148.05
130.68
129.19
126.91
124.56
120.24
120.23
77.18
76.87
76.55
6.86
^{13}C NMR Compound **13**
O
SeCH$_3$
1
2
3
4
4a
10
N
10a
5
6
7
8
8a
9
9a
-C=O
4a+10a
9
3+6
4+5
2+7
8a+9a
1+8
-SeCH$_3$
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
f1 (ppm)

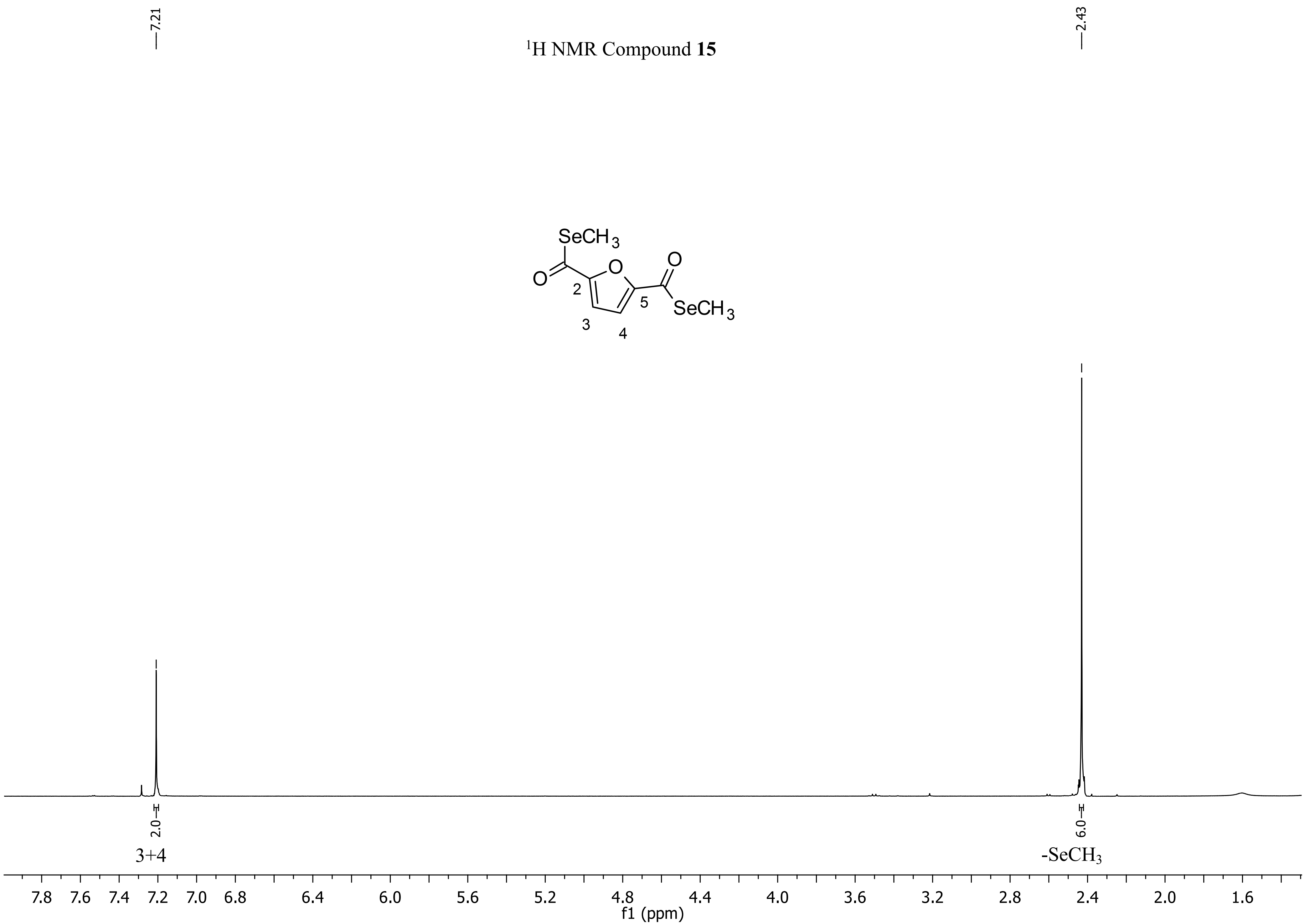


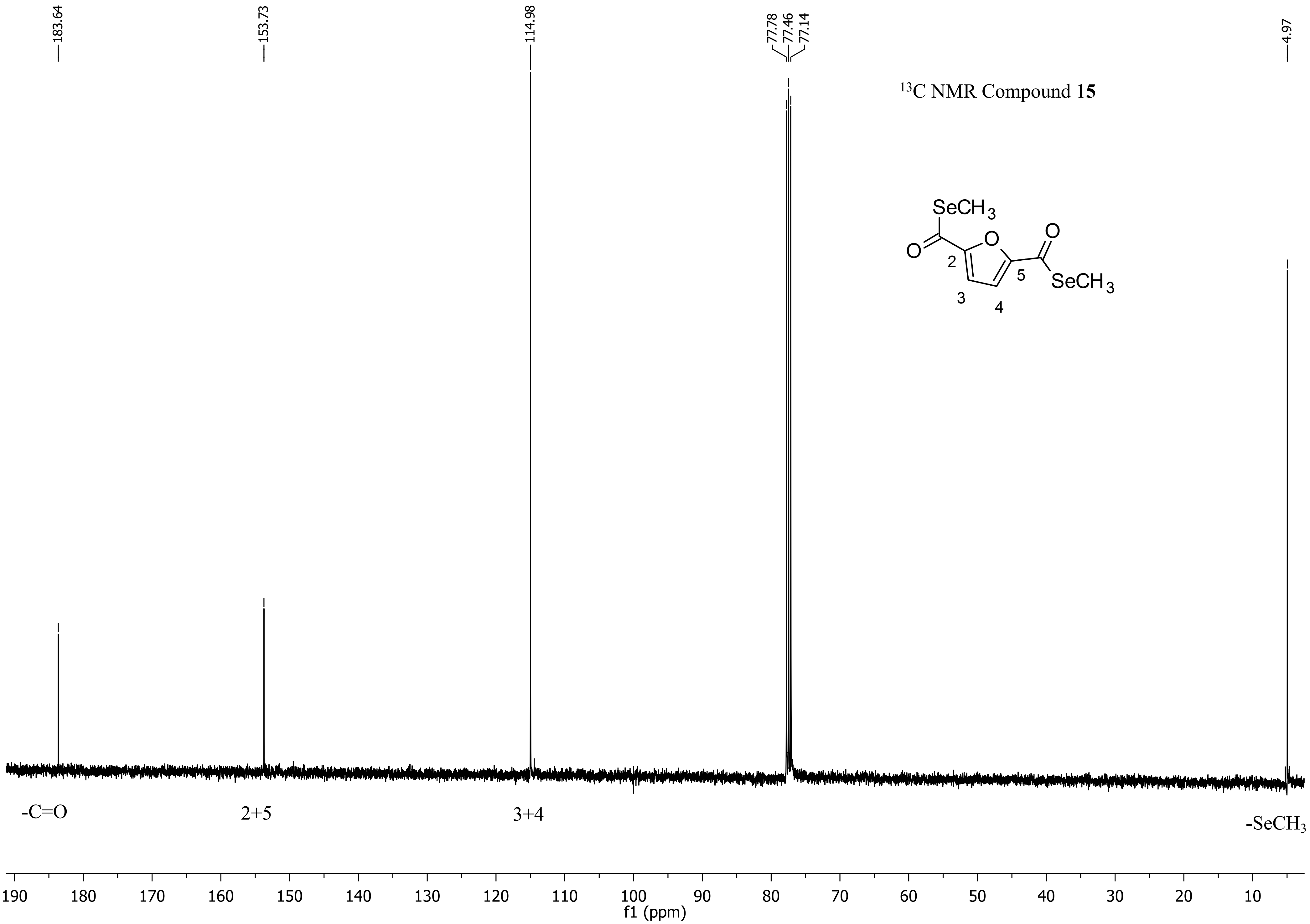
^{1}H NMR Compound **14**



^{13}C NMR Compound **14**

^{1}H NMR Compound **15**




183.64
153.73
114.98
77.78
77.46
77.14
4.97
^{13}C NMR Compound 1**5**
SeCH$_3$
O
O
O
2
5
SeCH$_3$
3
4
-C=O
2+5
3+4
-SeCH$_3$
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
f1 (ppm)