

12.18

11.51

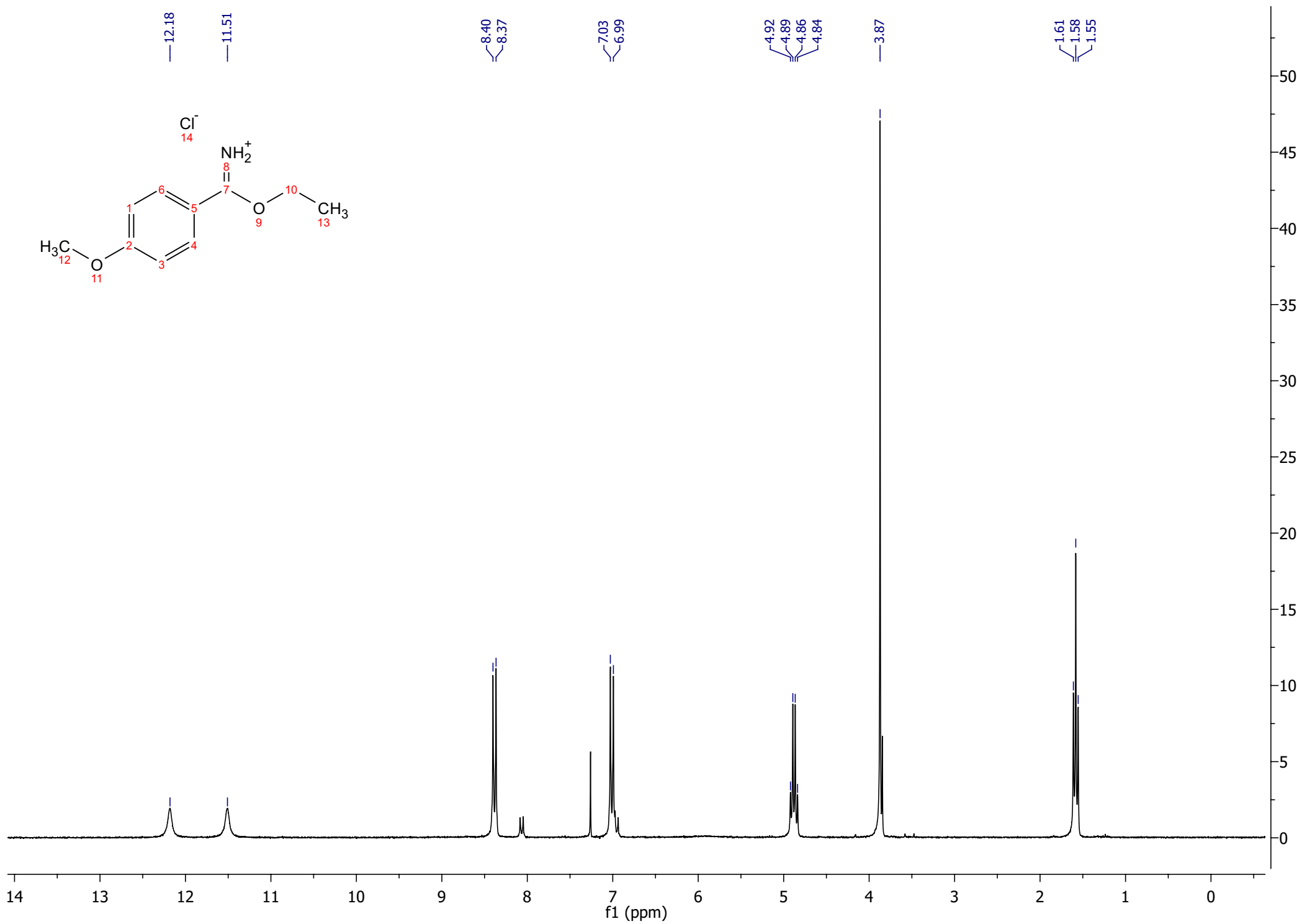
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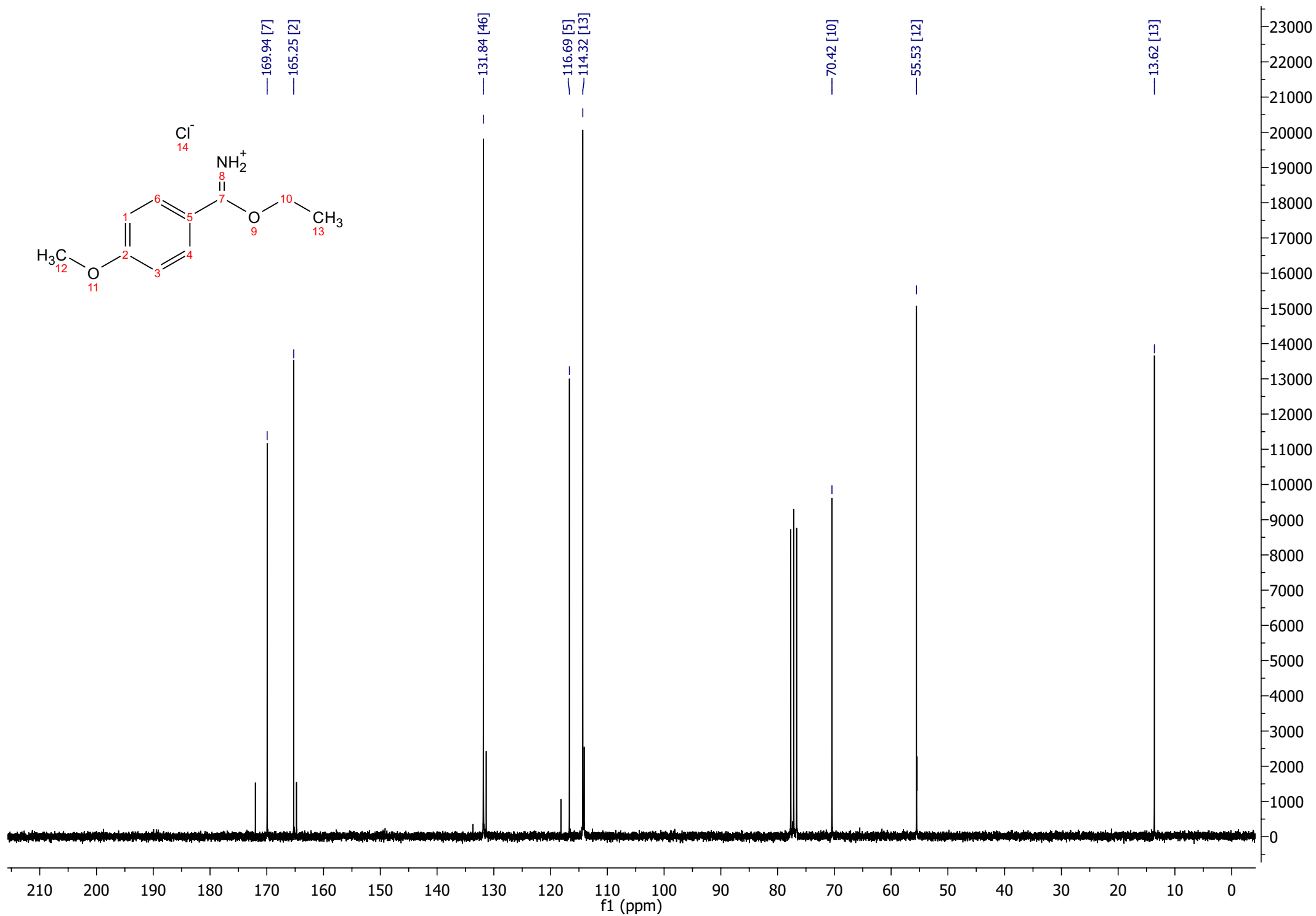
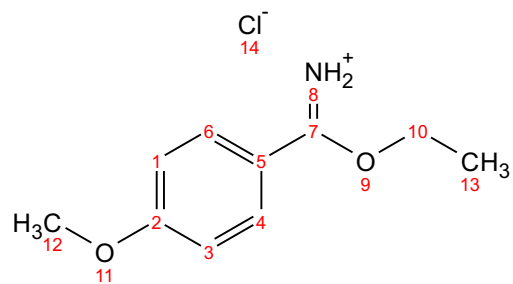
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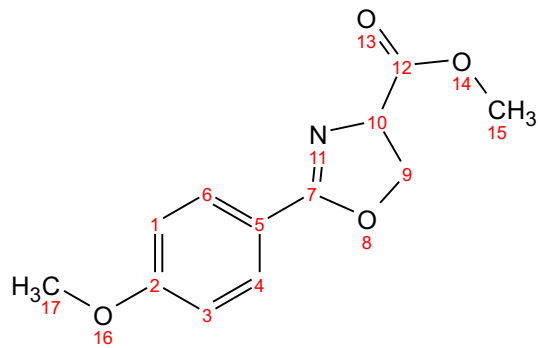
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4.84

3.87

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1.58
1.55



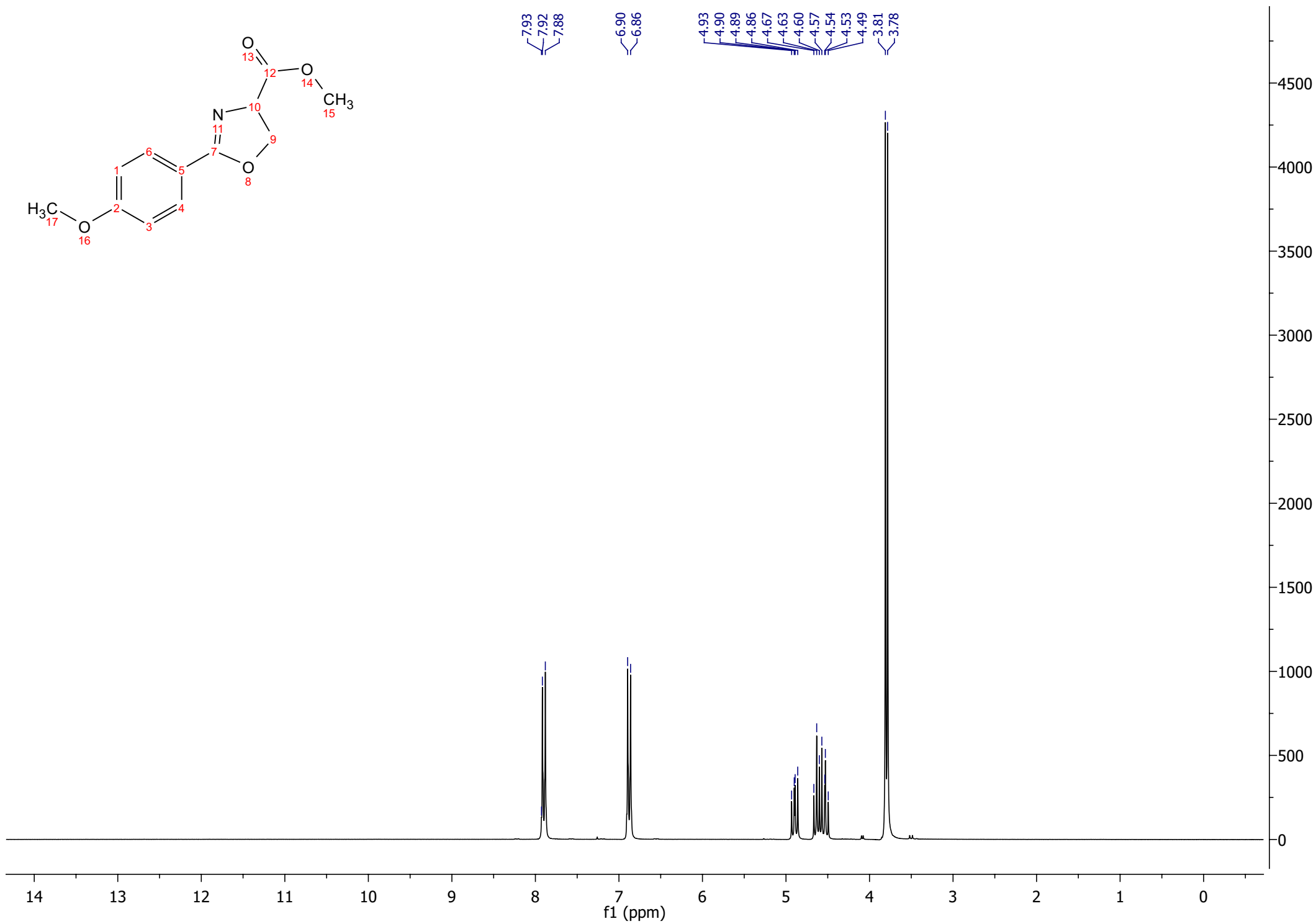


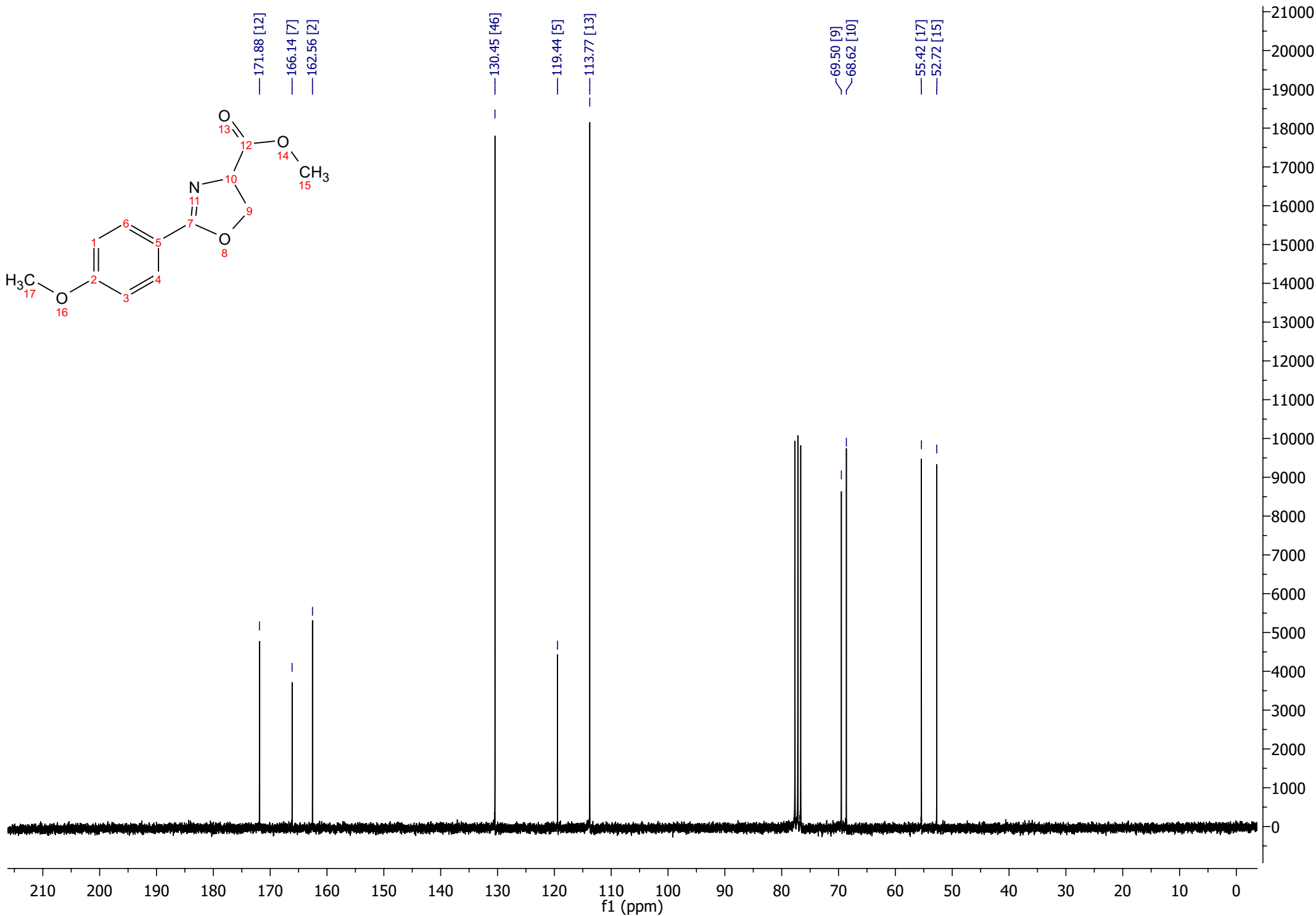


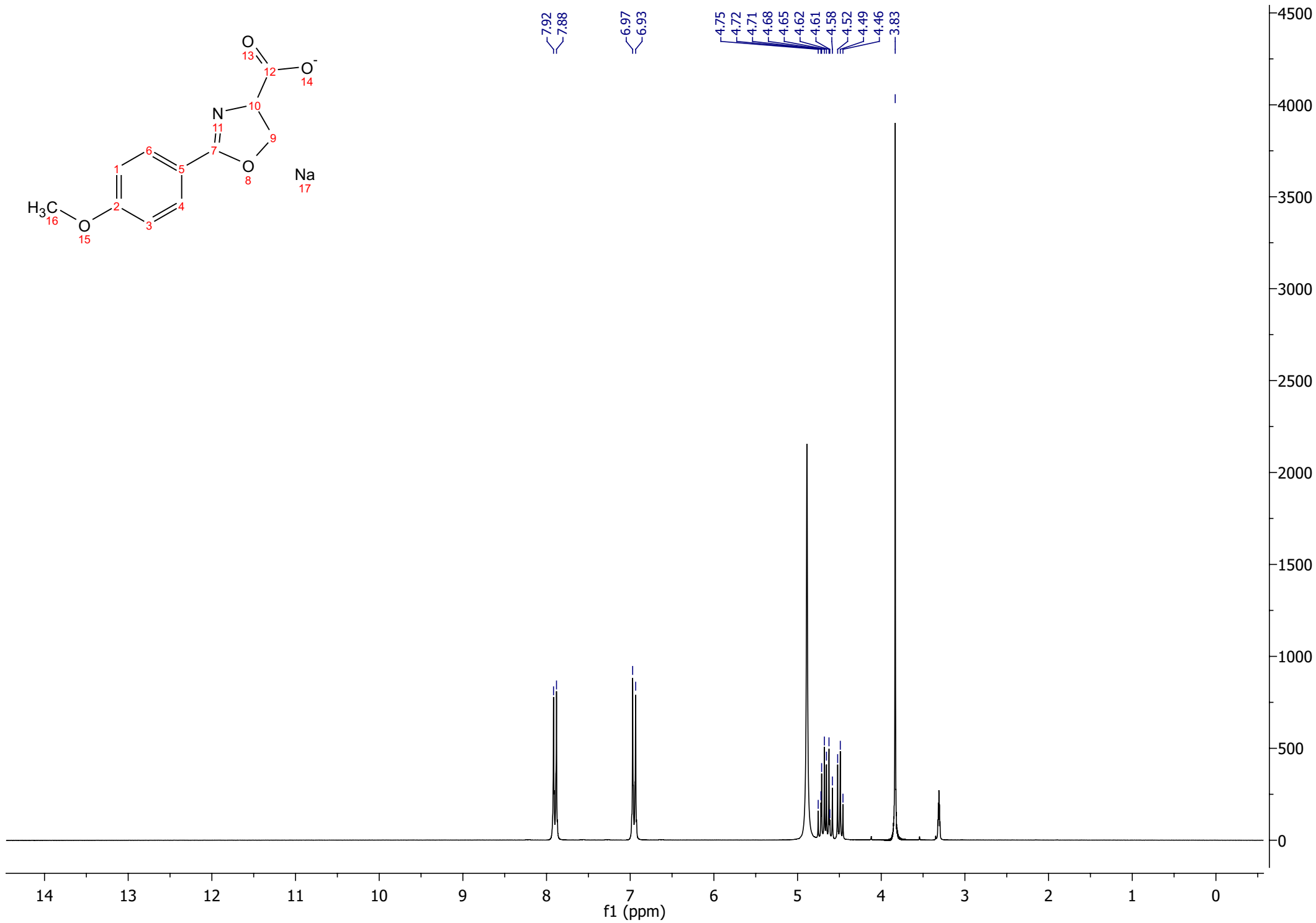
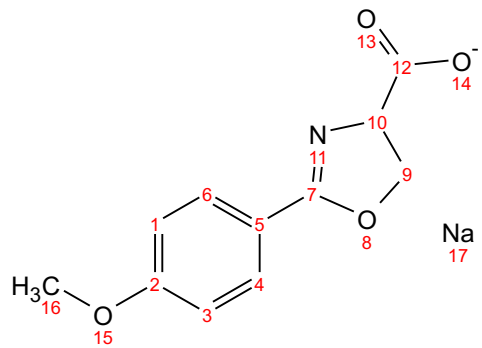
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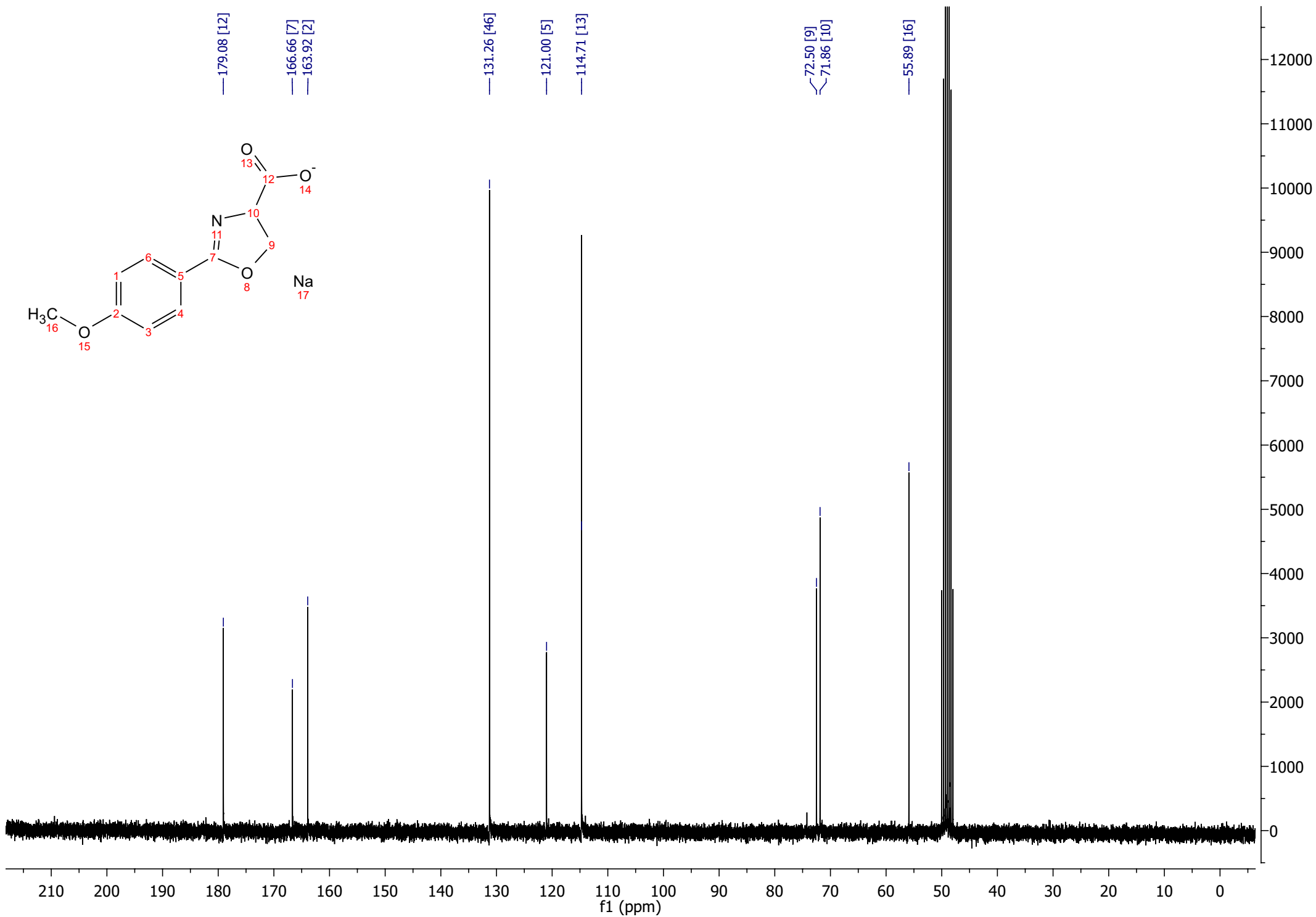
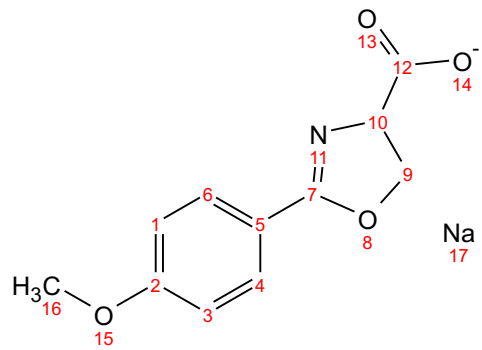
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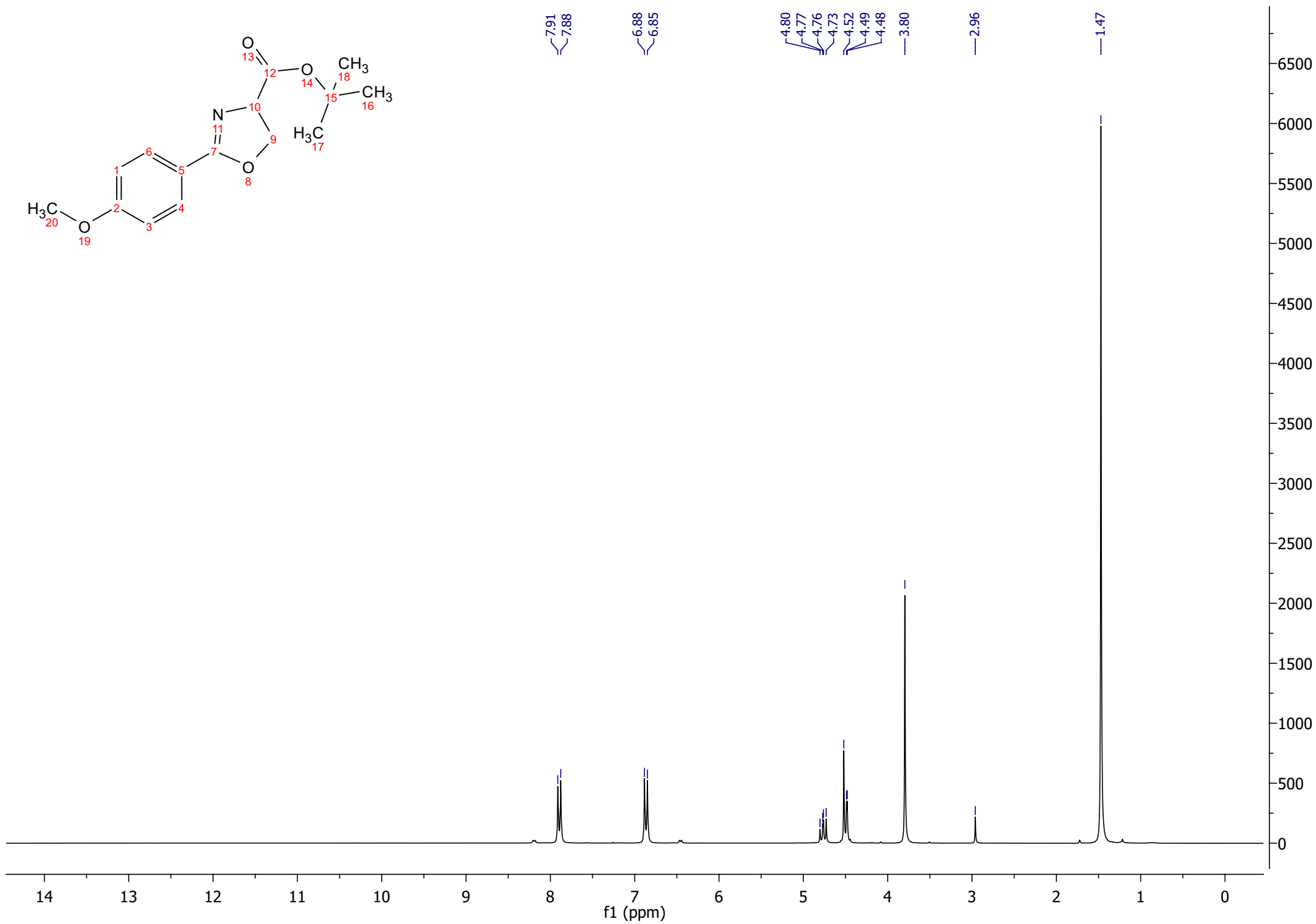
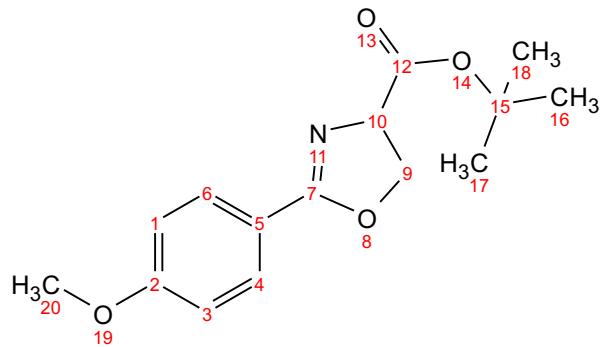
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3.78

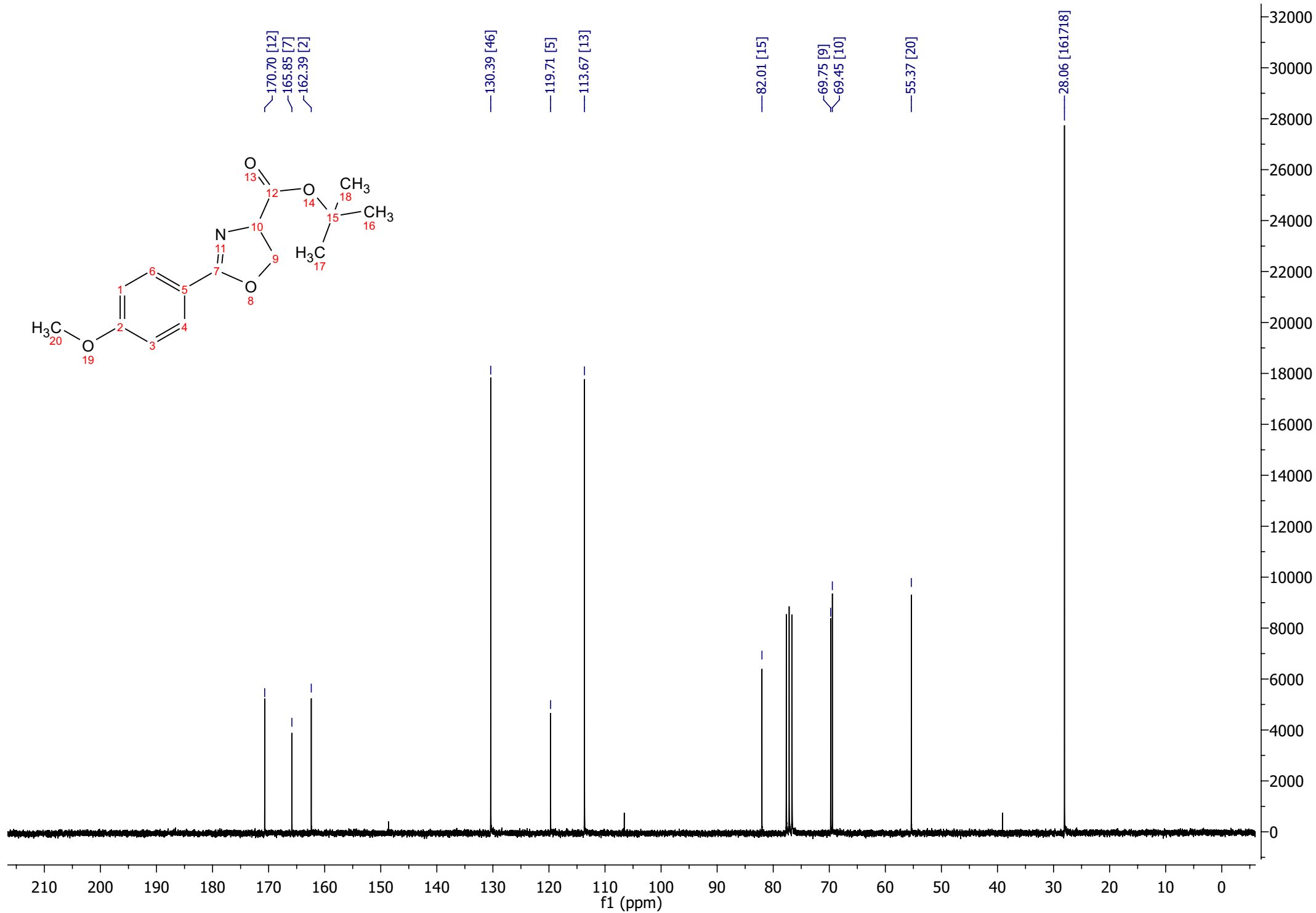
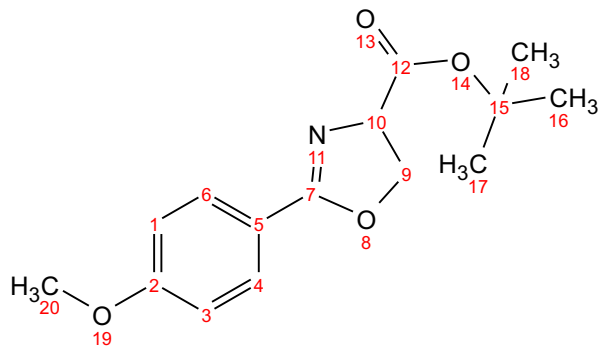


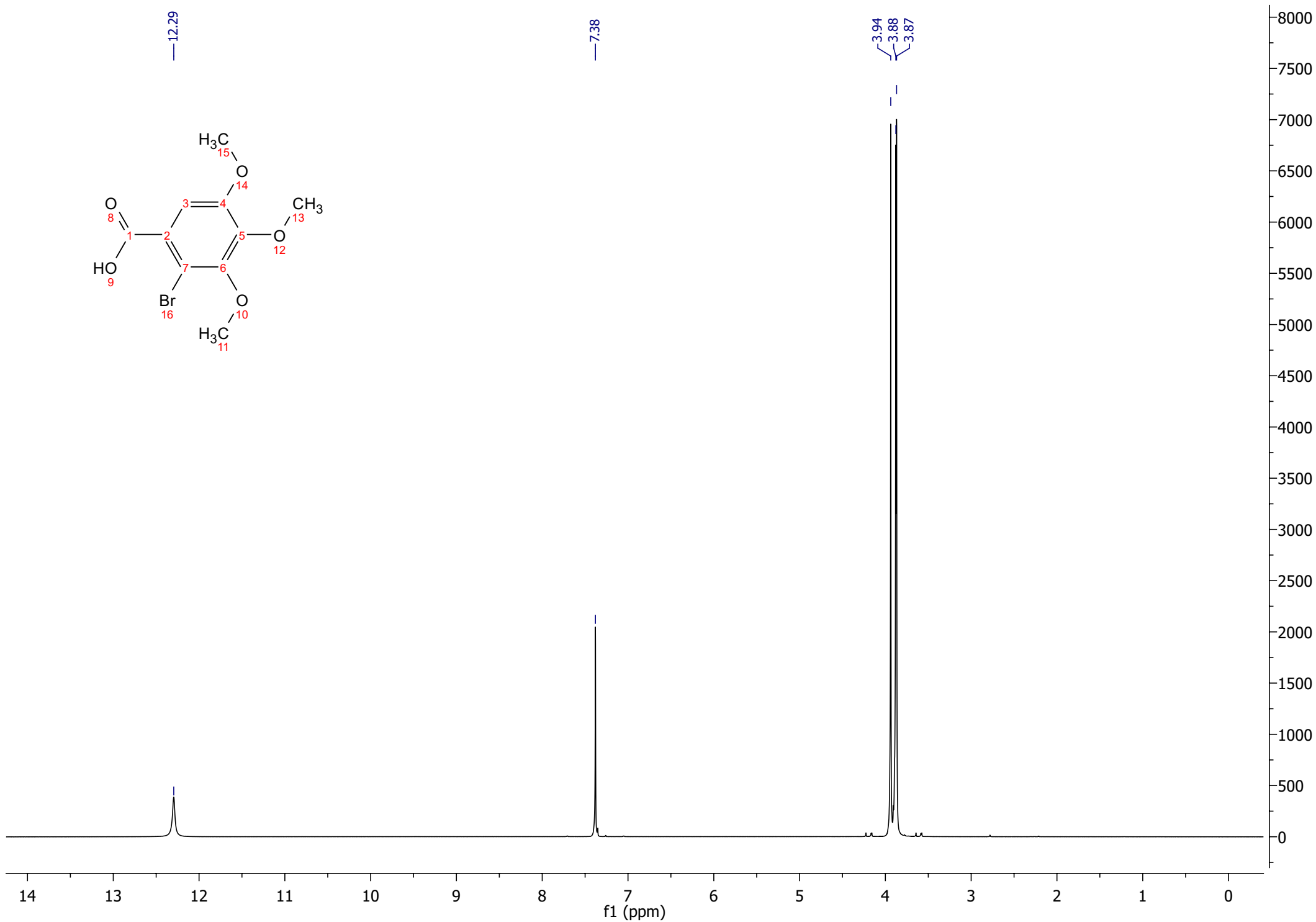
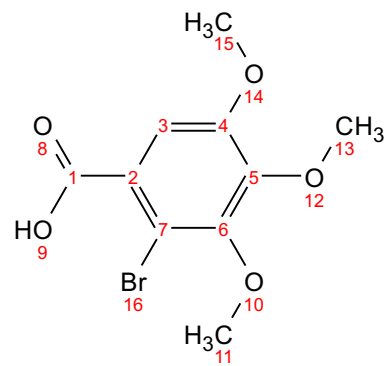


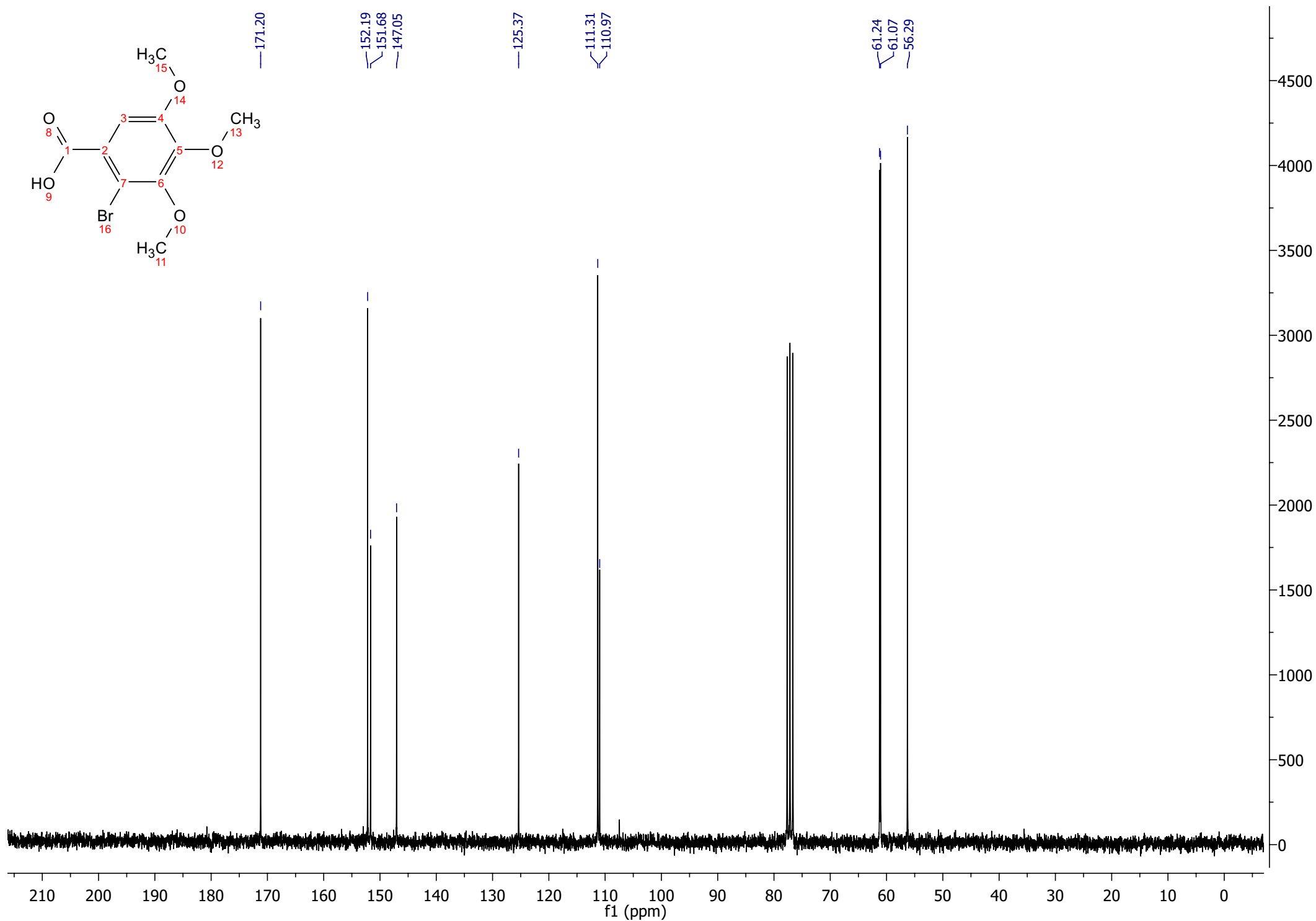
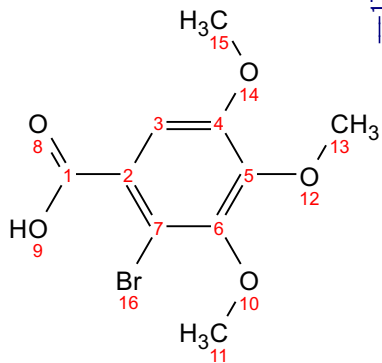


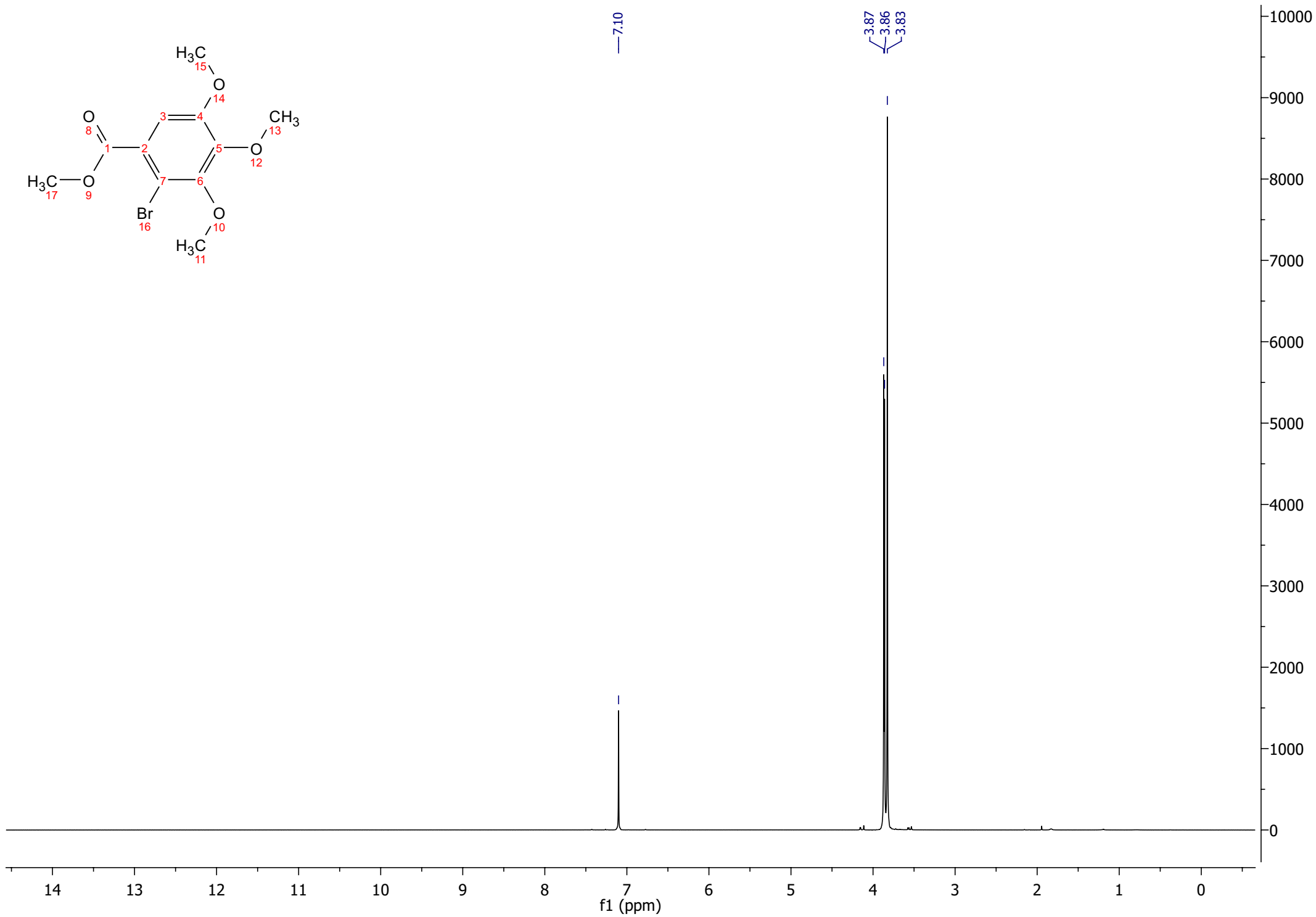
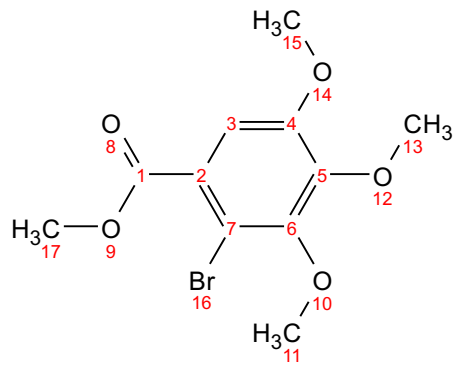


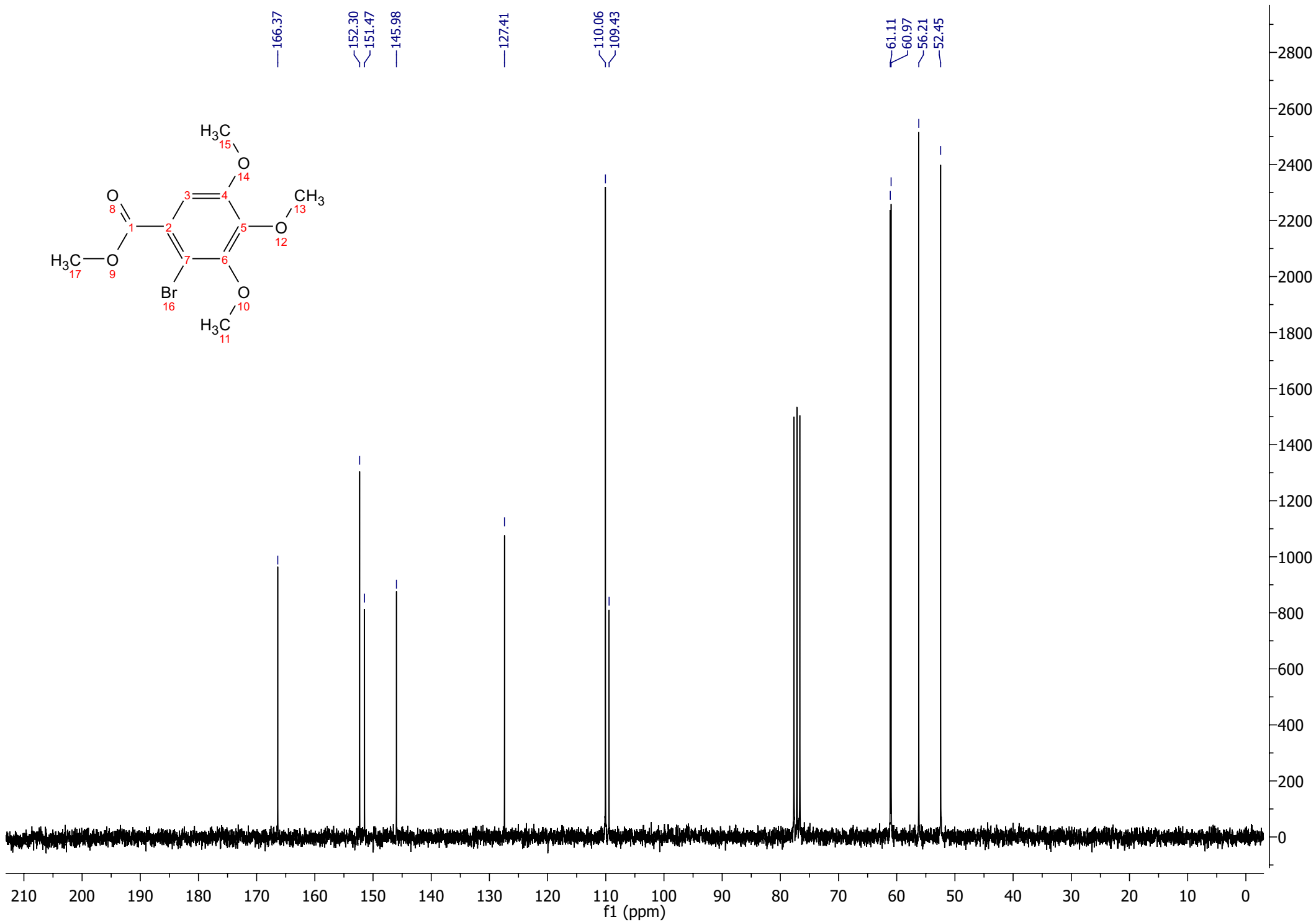
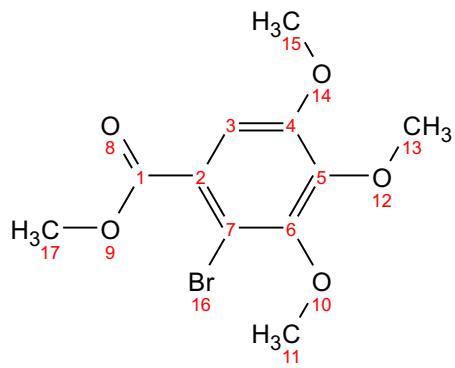


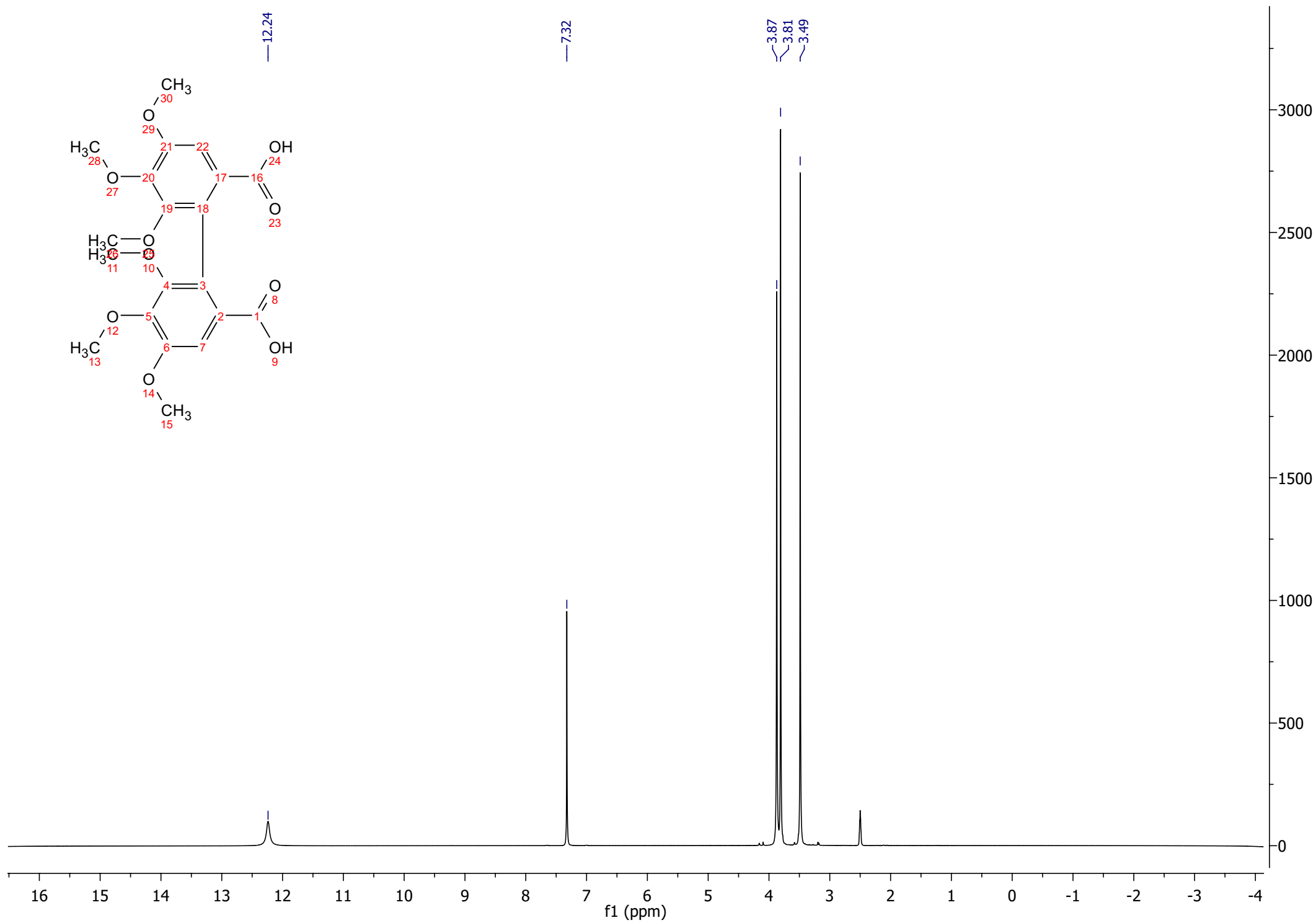
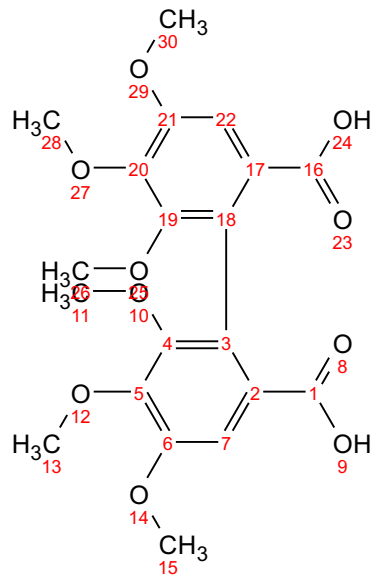


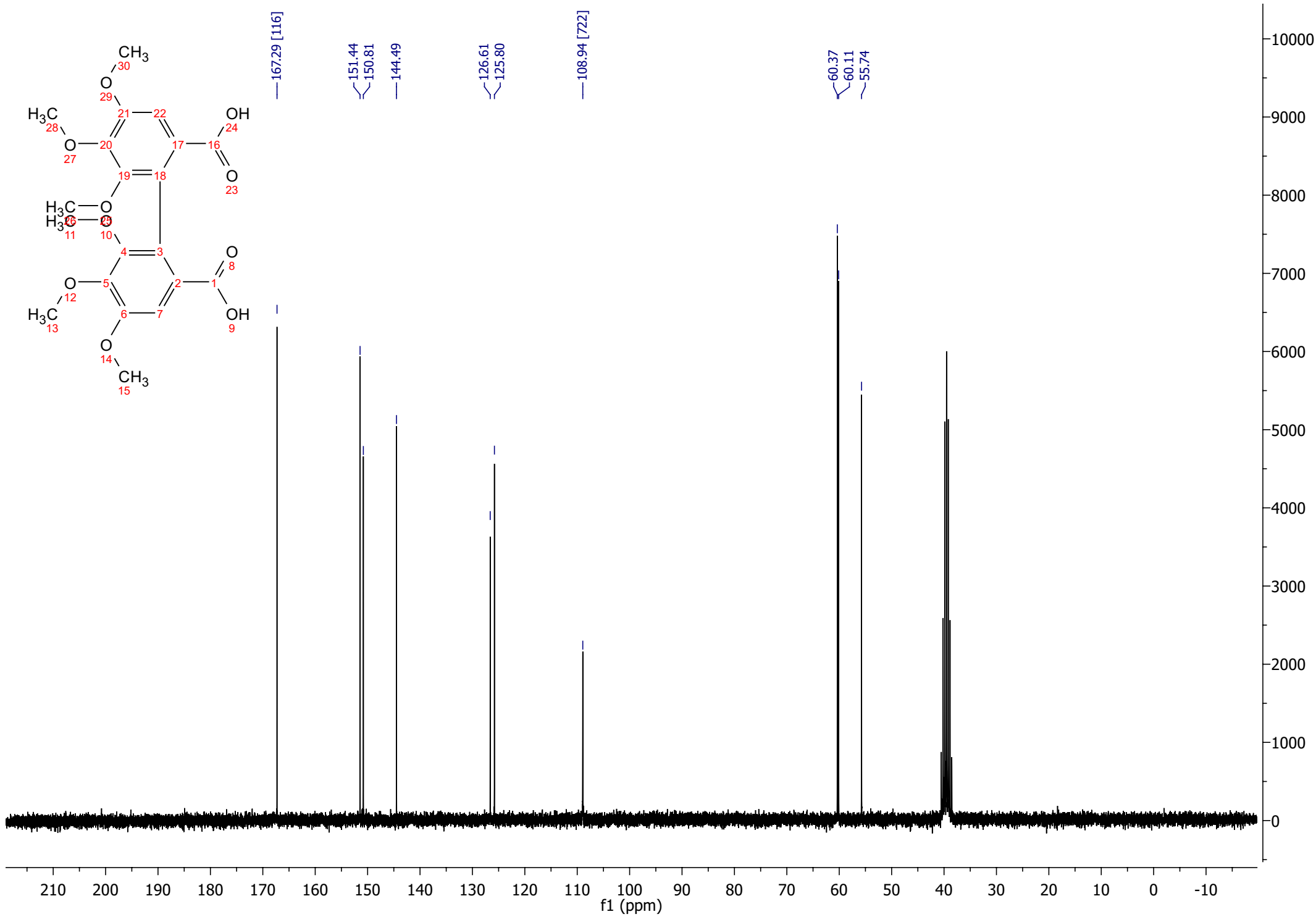
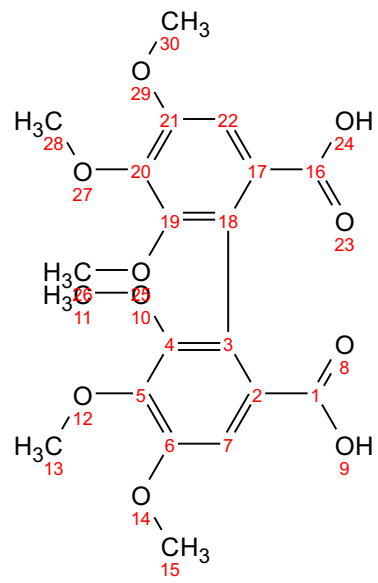


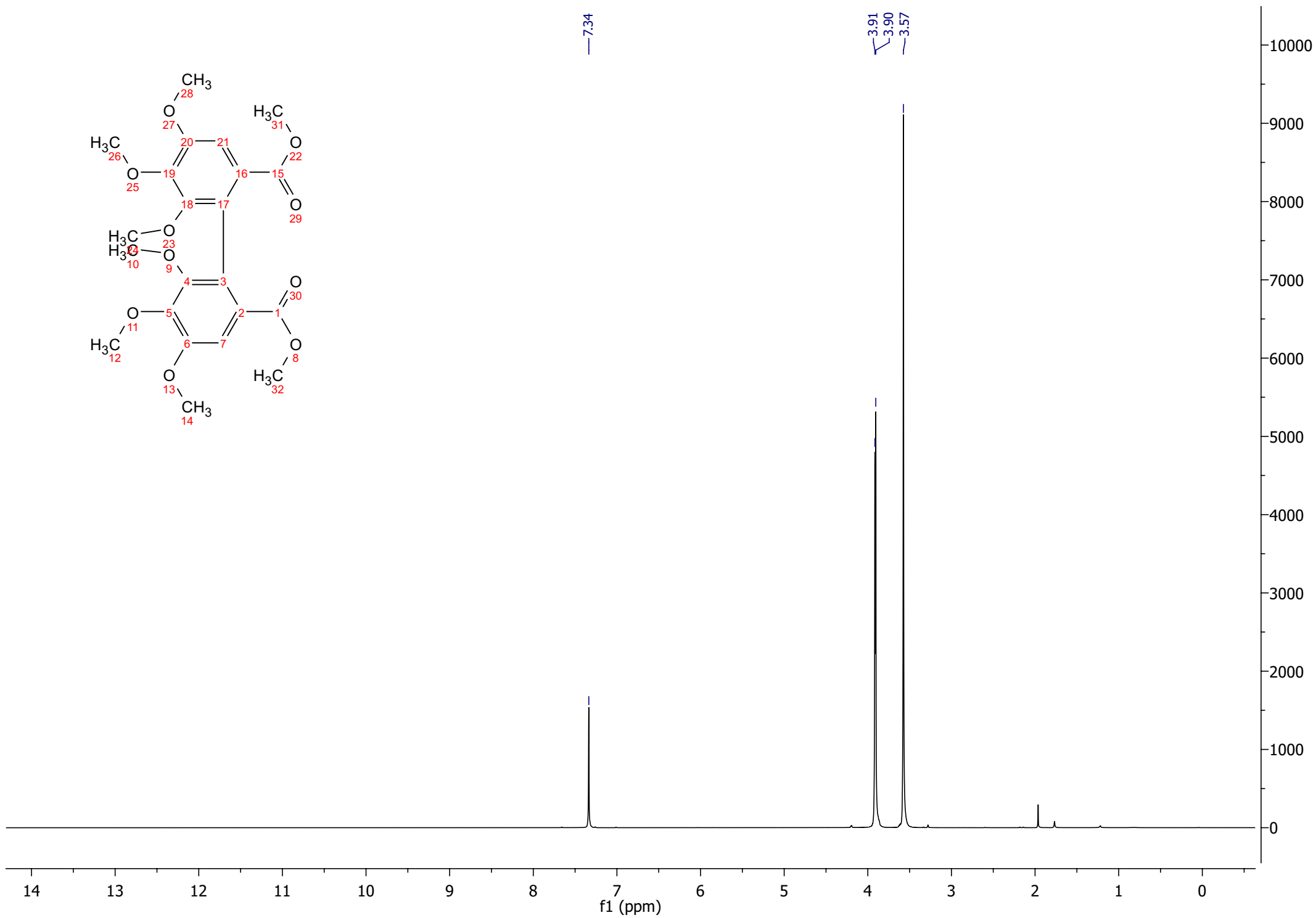
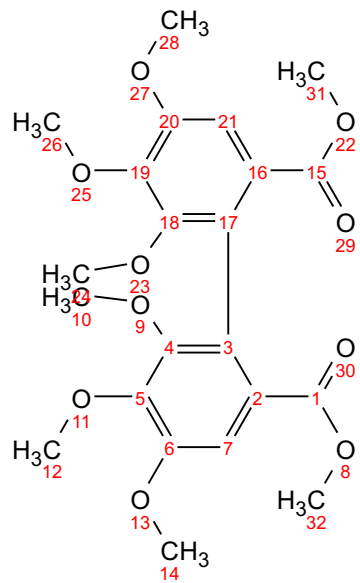


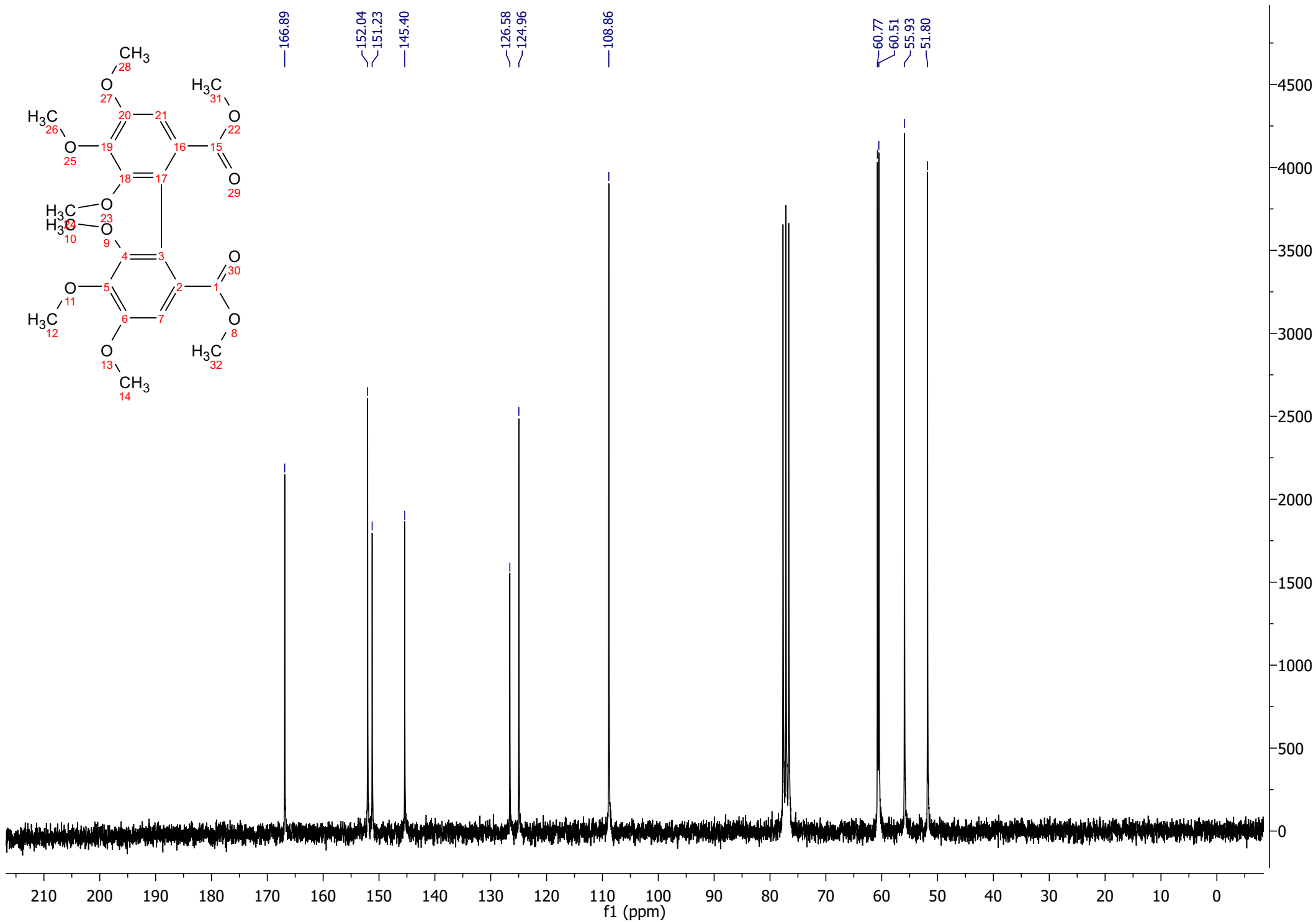


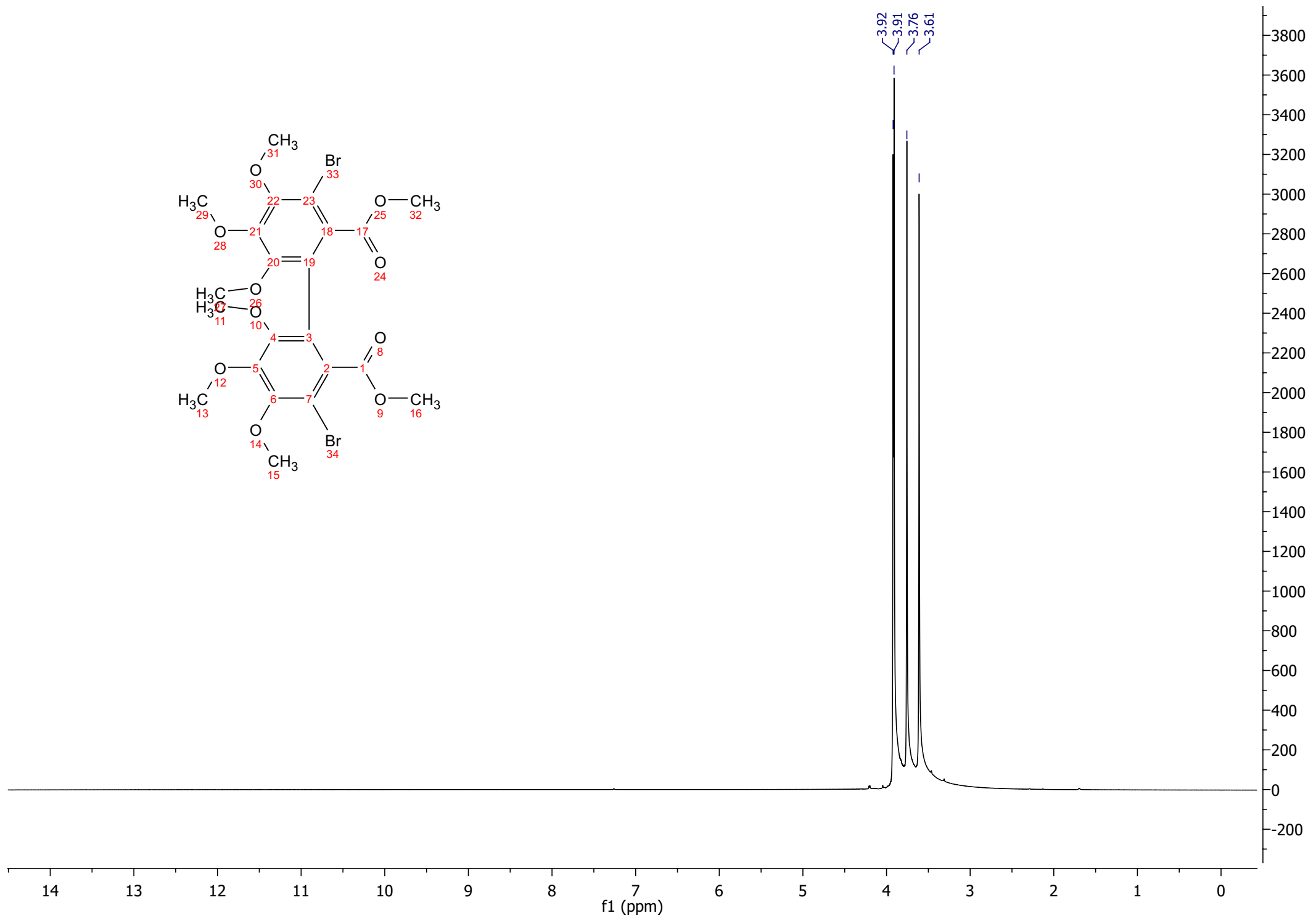
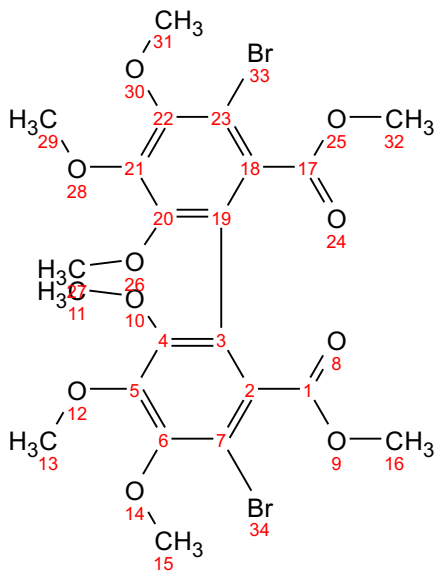


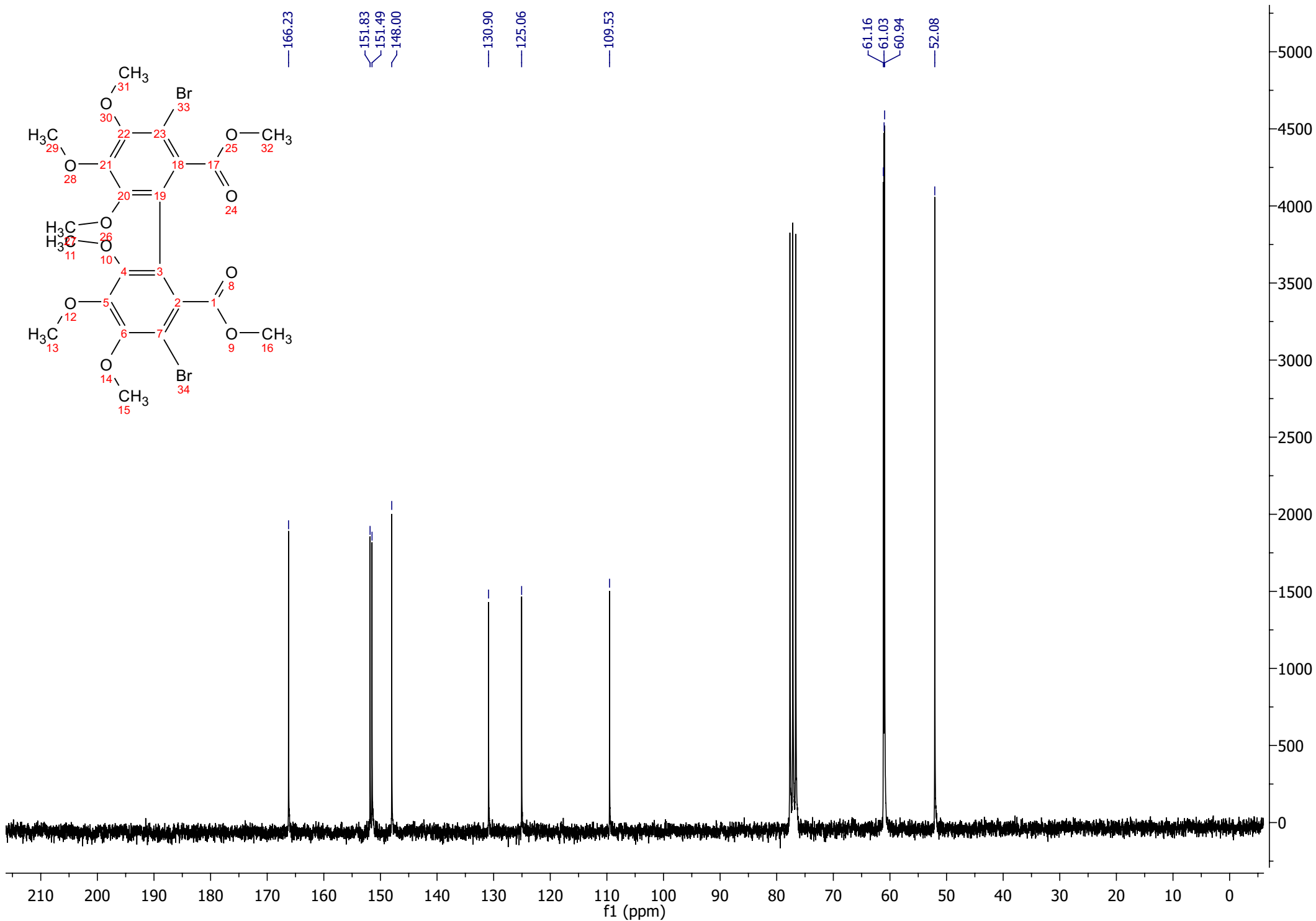


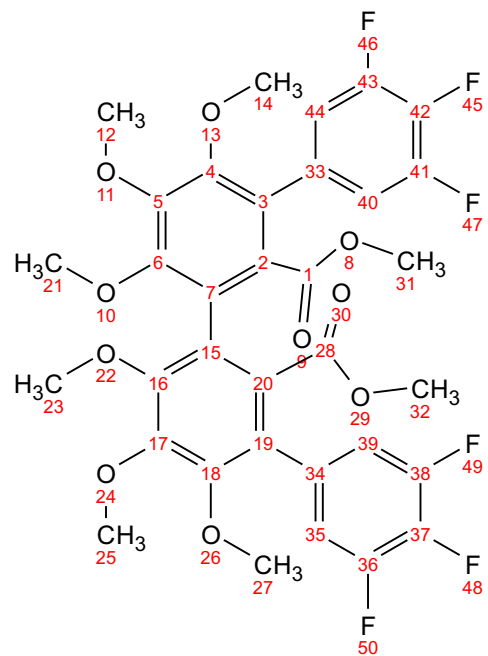








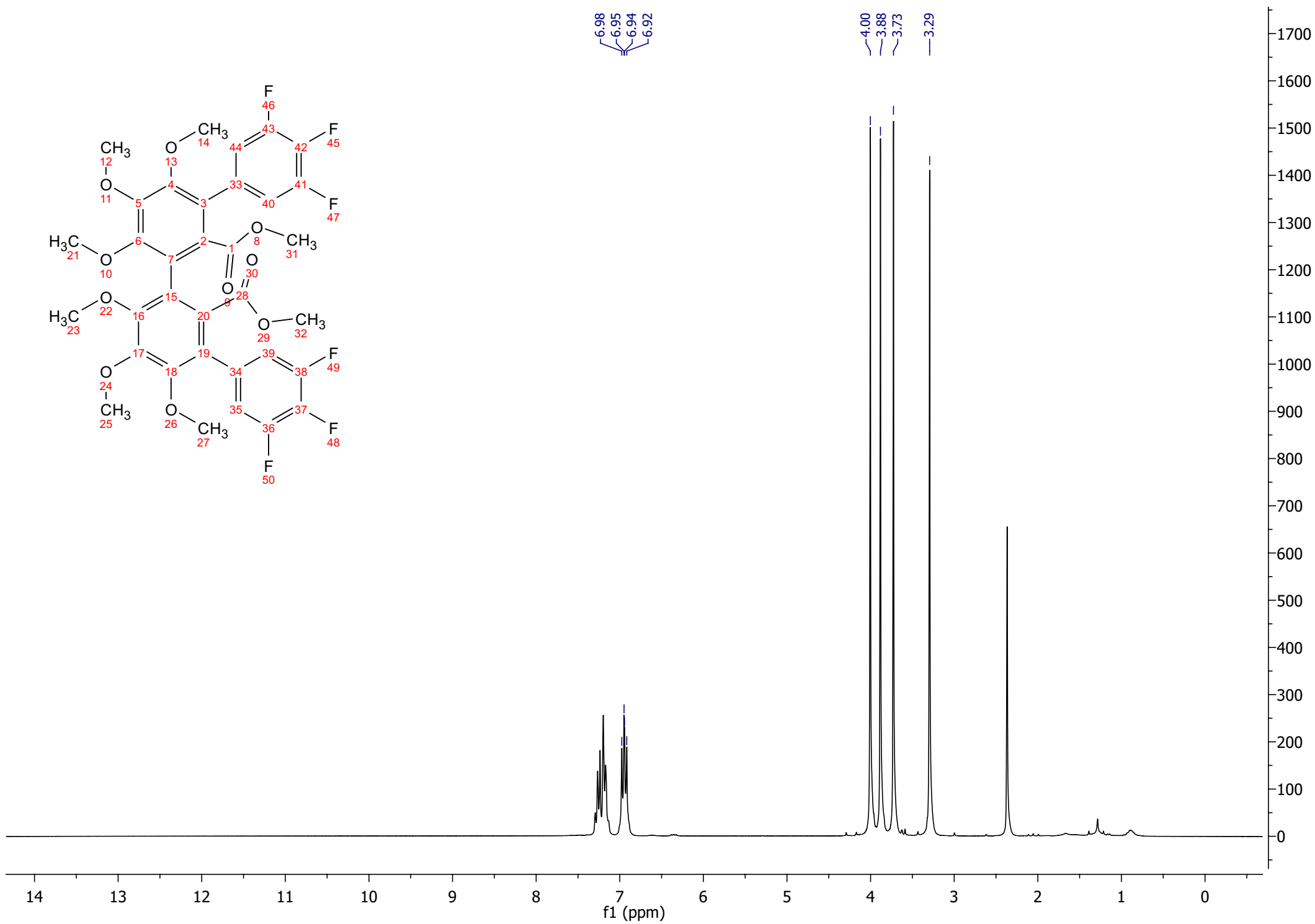


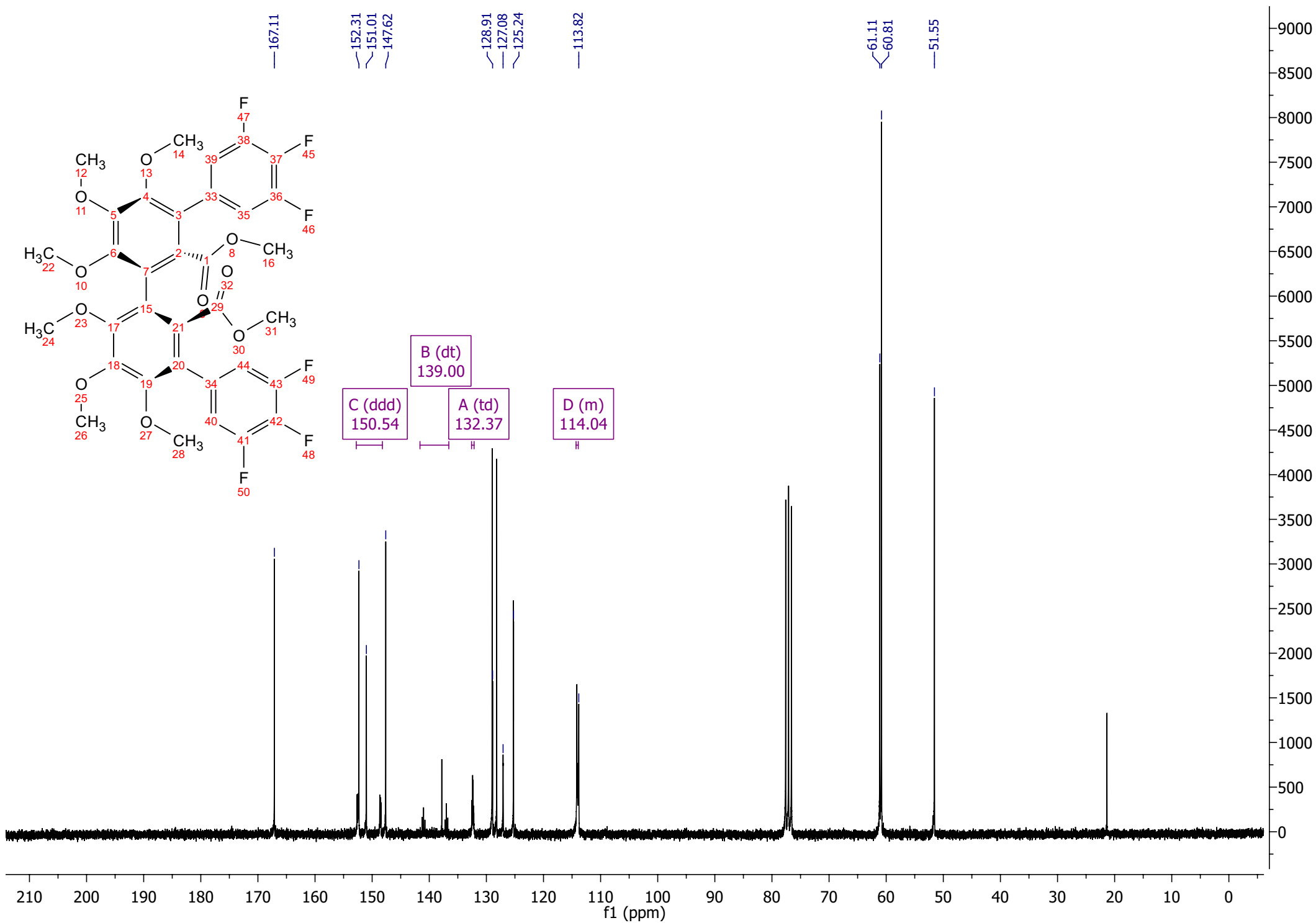


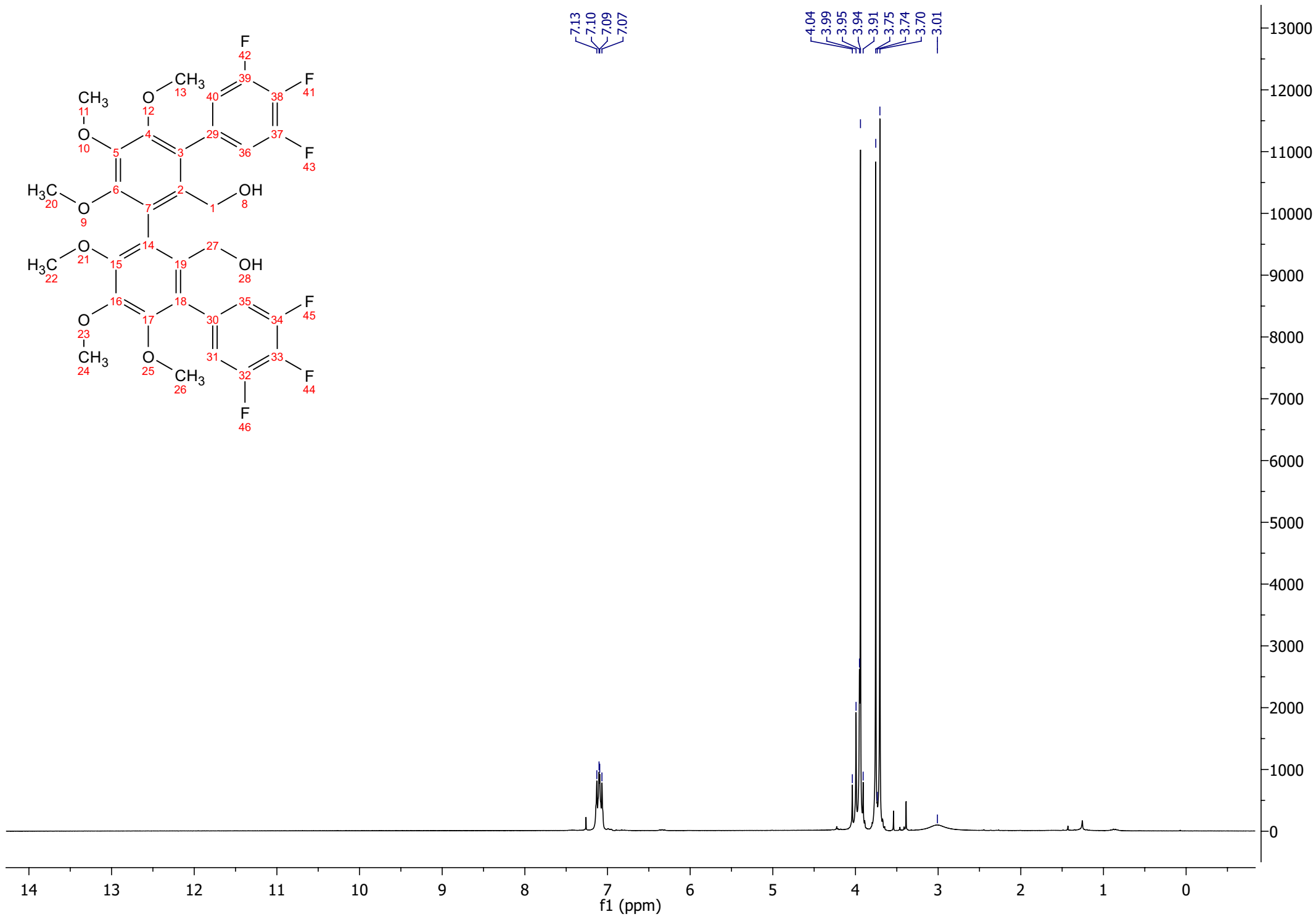
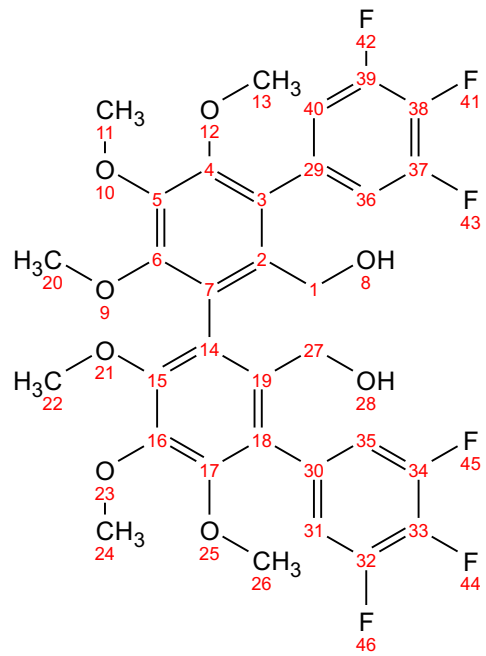
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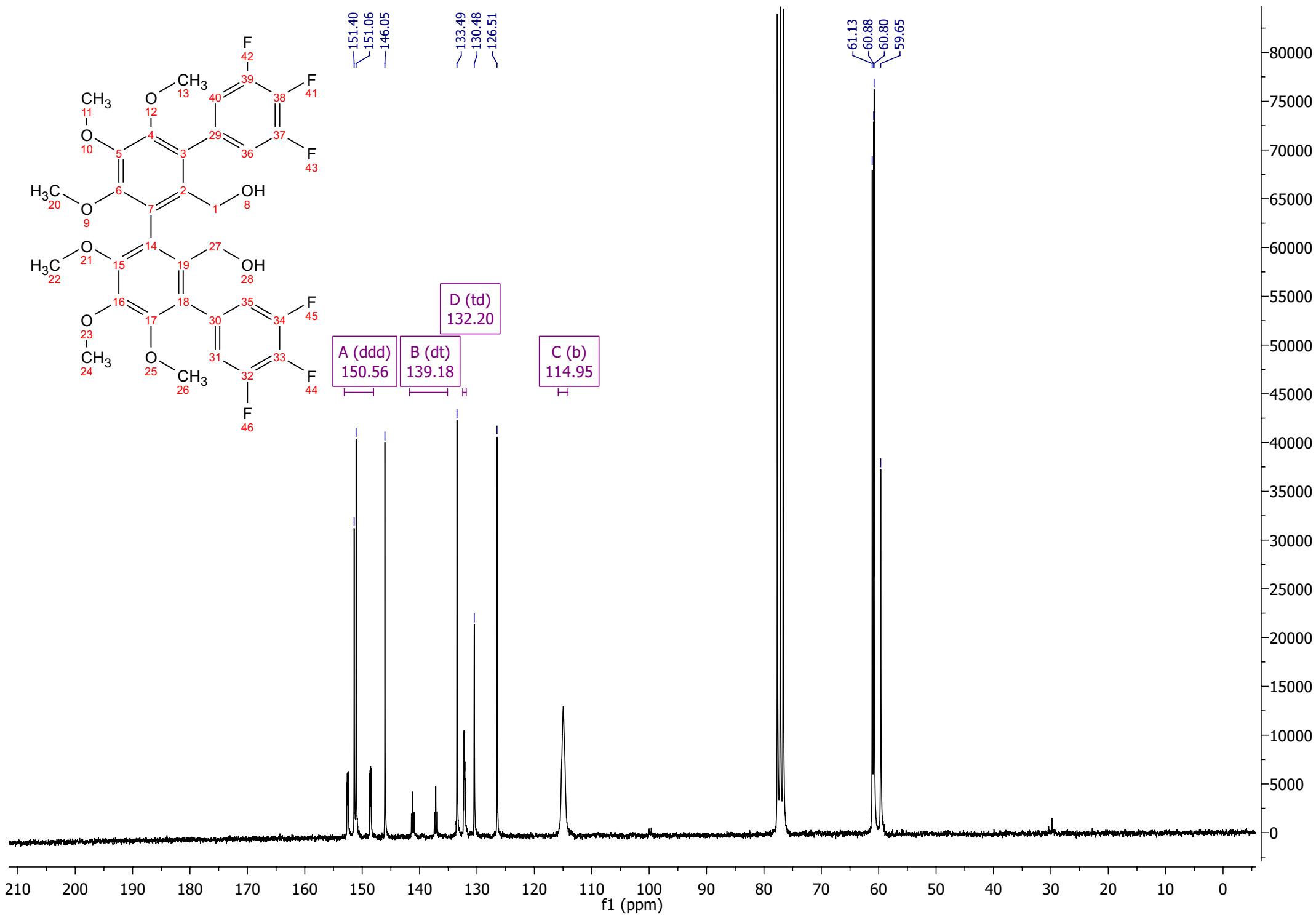
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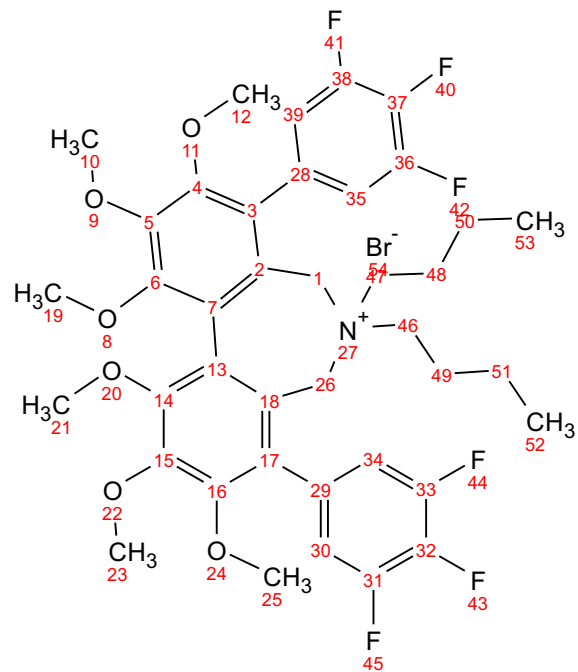
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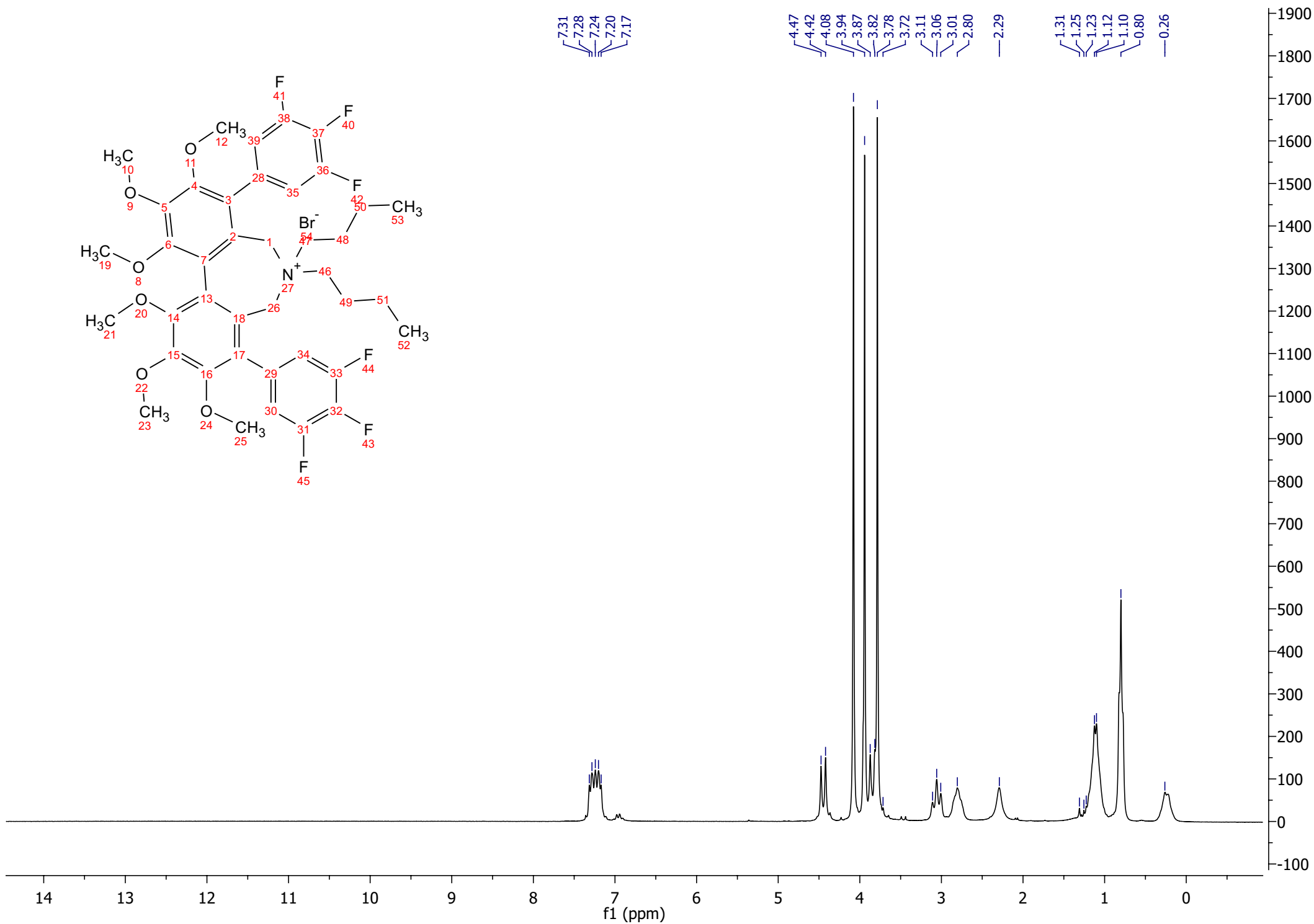


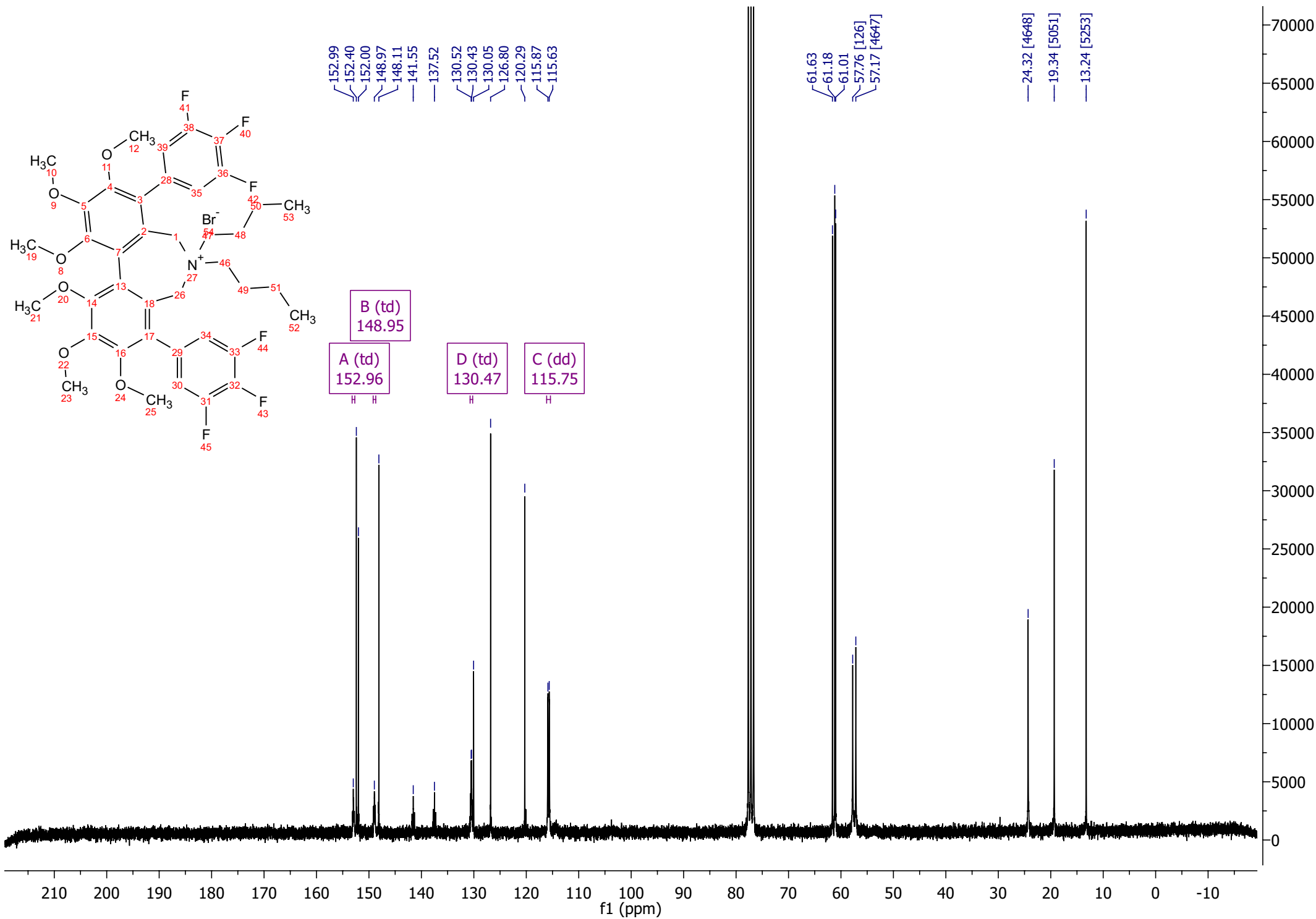


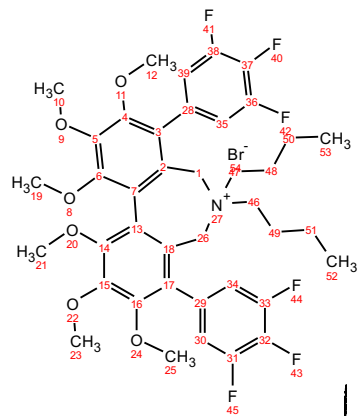
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7.28
7.24
7.20
7.17

4.47
4.42
4.08
3.94
3.87
3.82
3.78
3.72
3.11
3.06
3.01
2.80
2.29

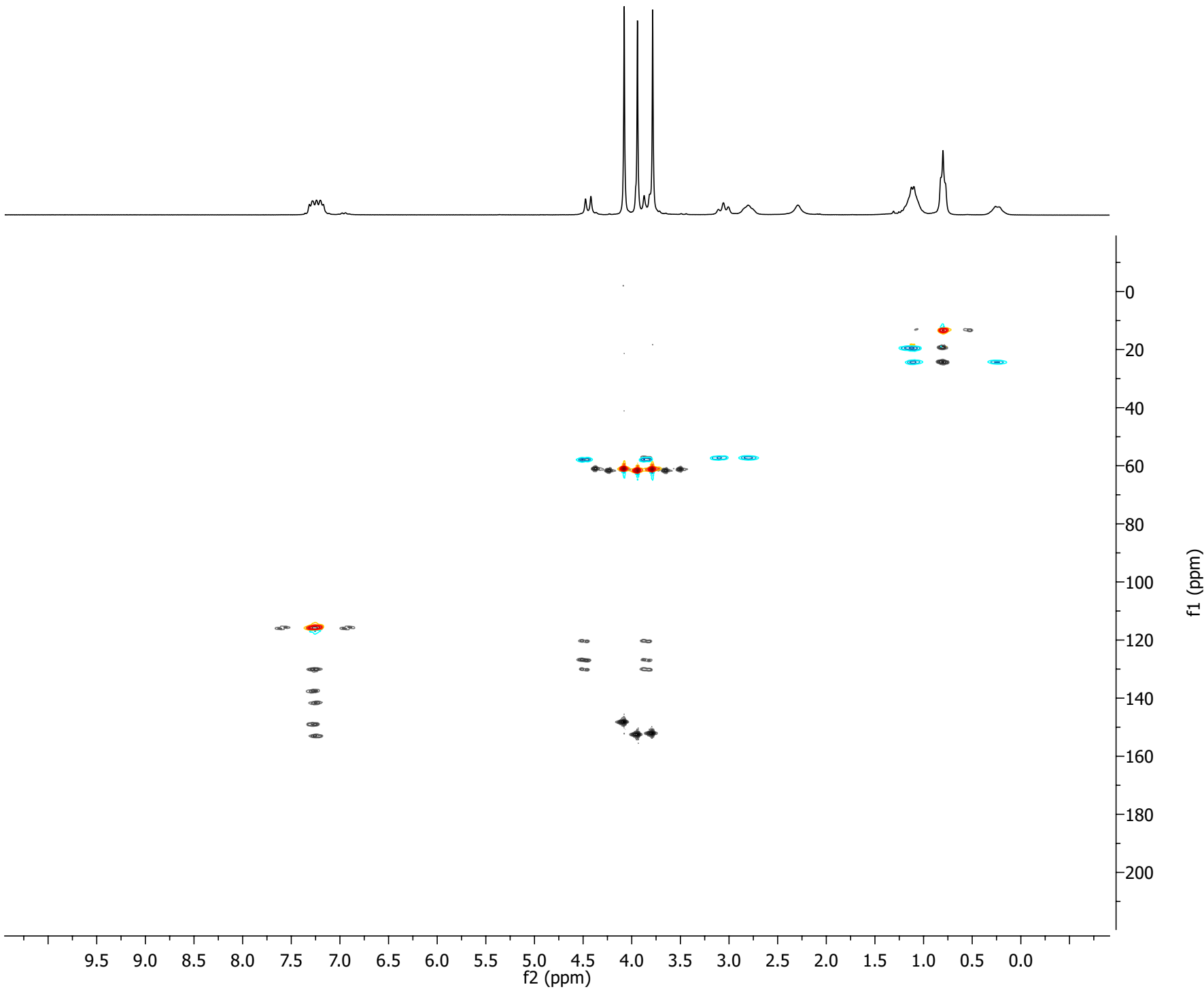
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1.25
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0.80
-0.26

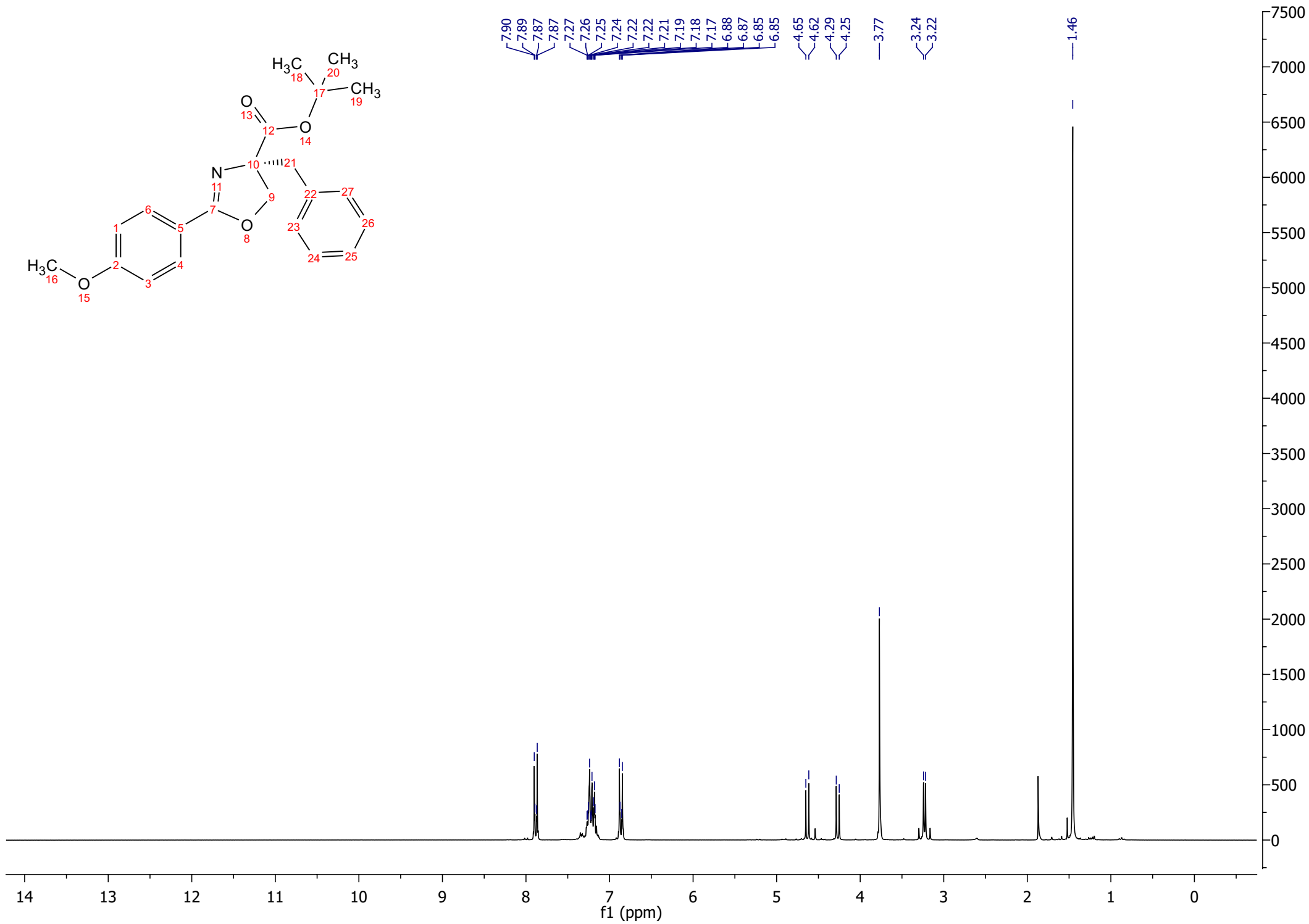
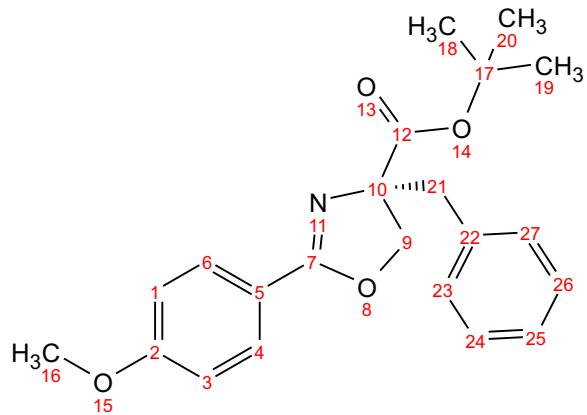


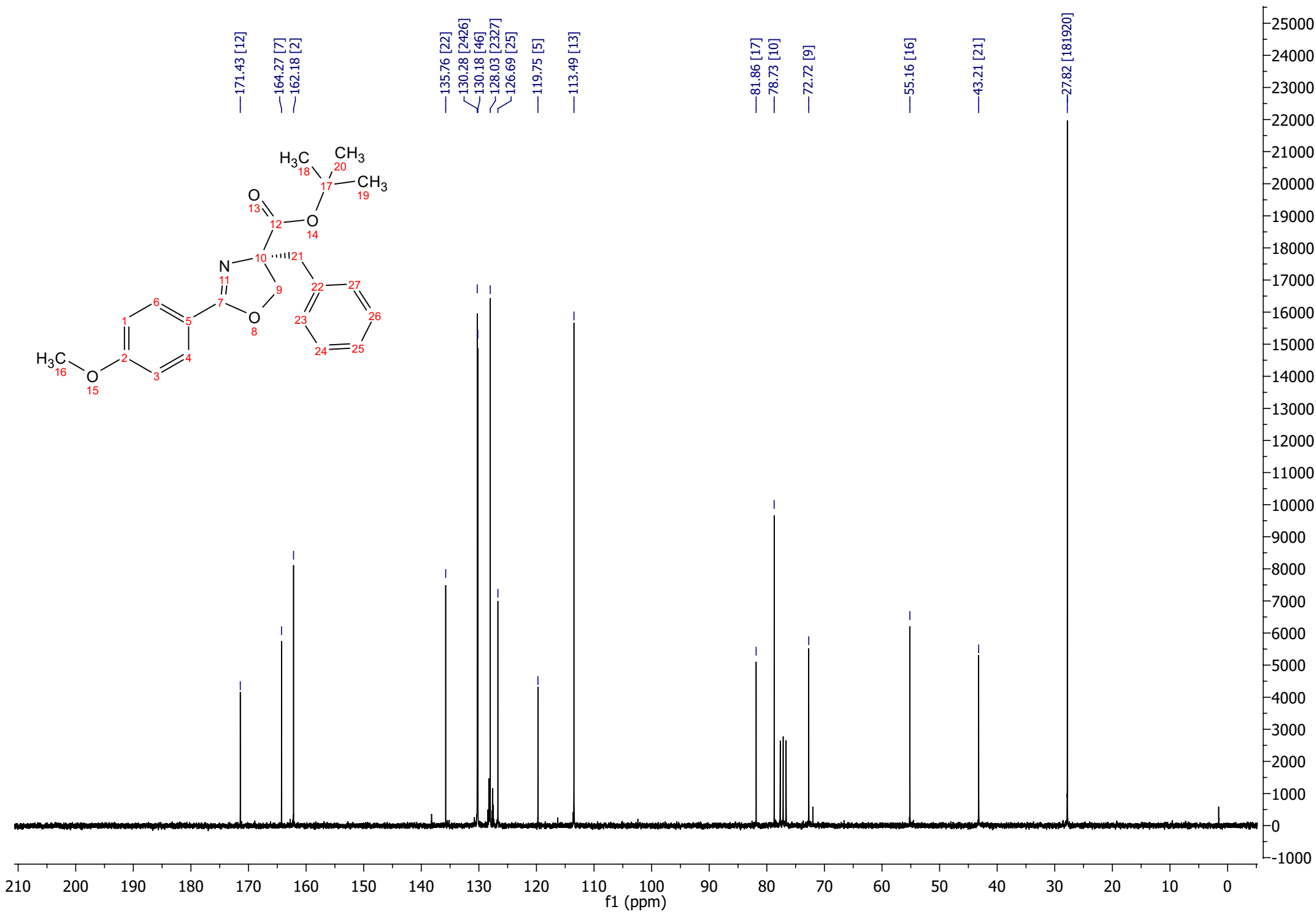
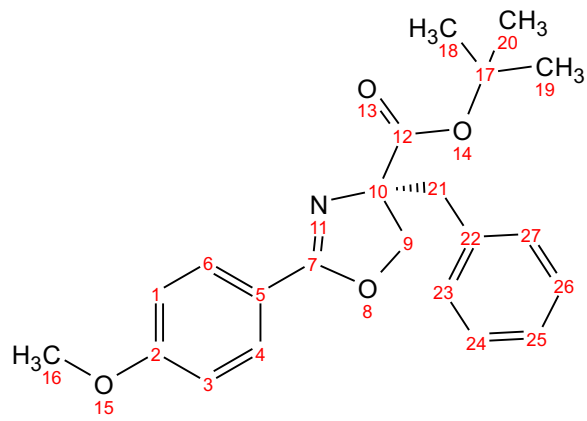


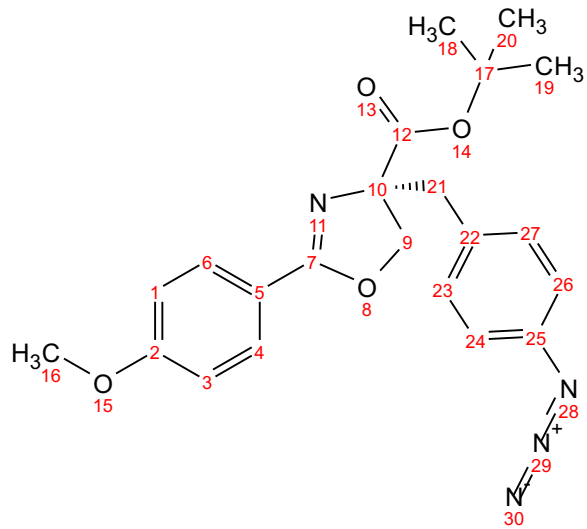


¹H-¹³C HSQC (color)
¹H-¹³C HMBC (grey)









7.97
7.93

7.35
7.31

6.98
6.94

4.70
4.66

4.33
4.29

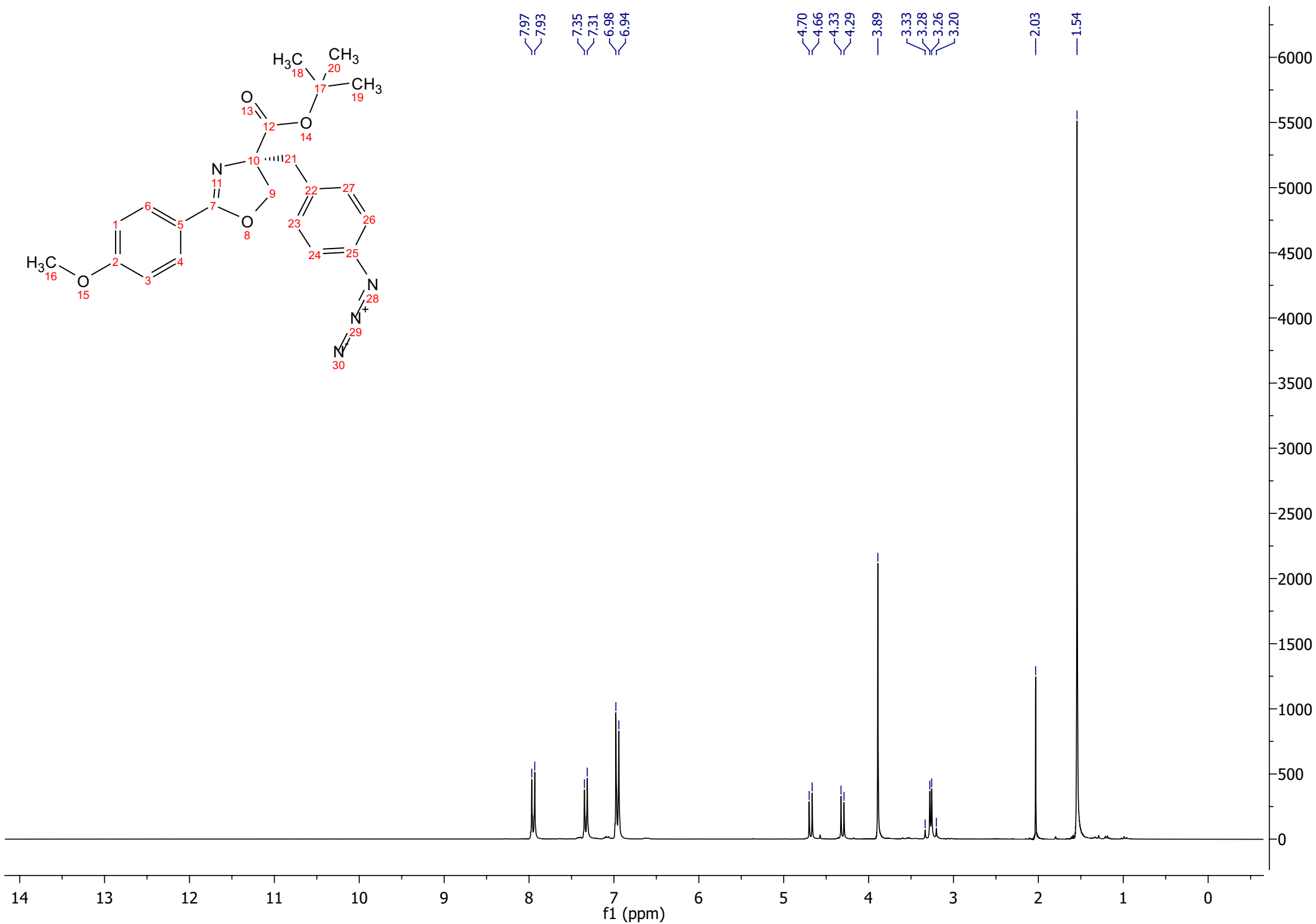
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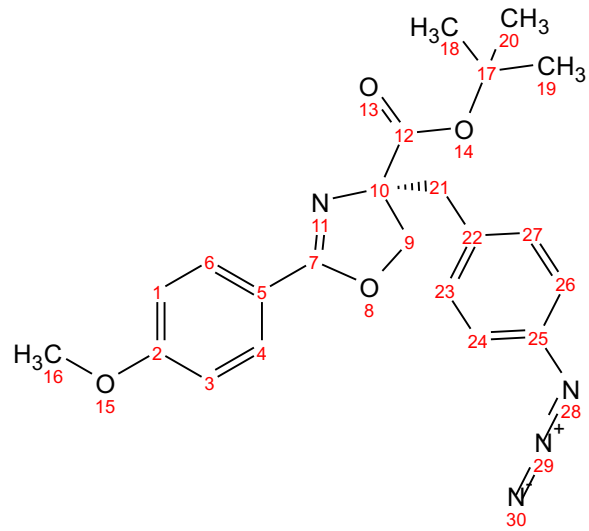
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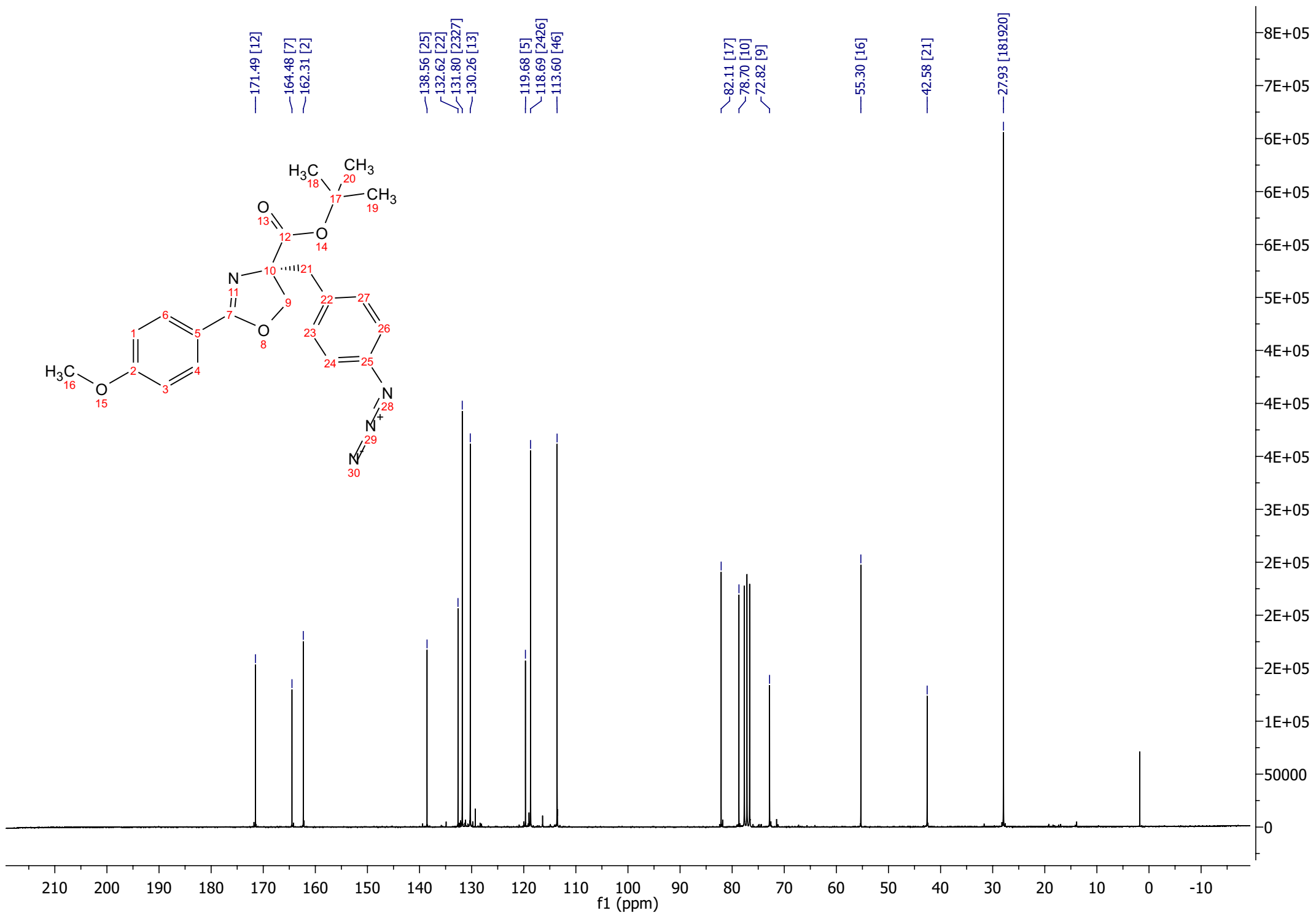
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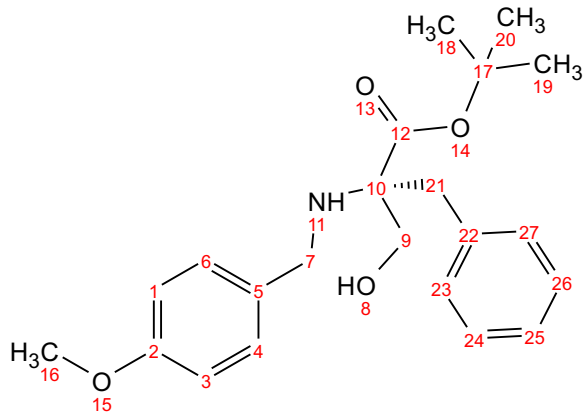
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- 130.26 [13]
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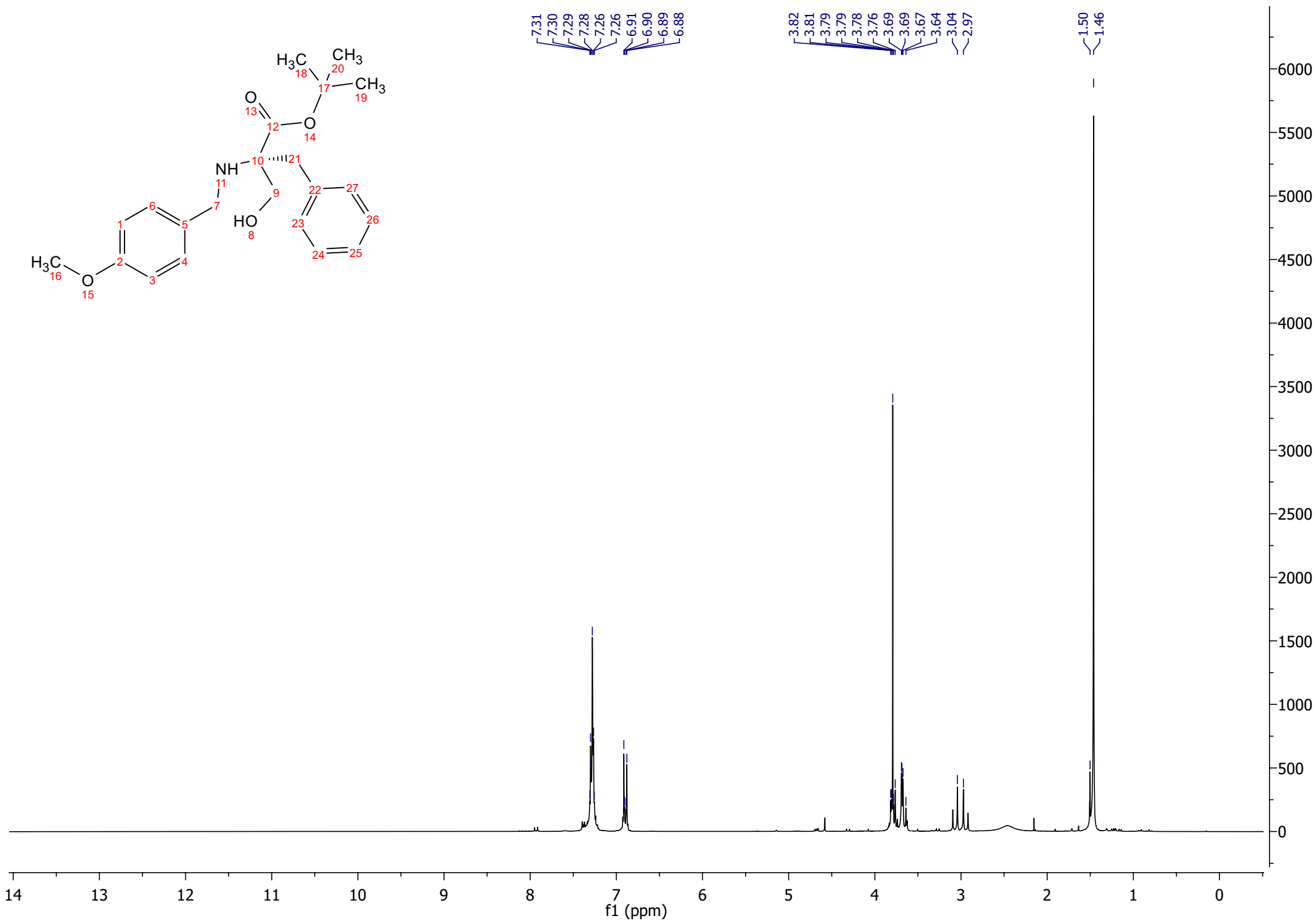


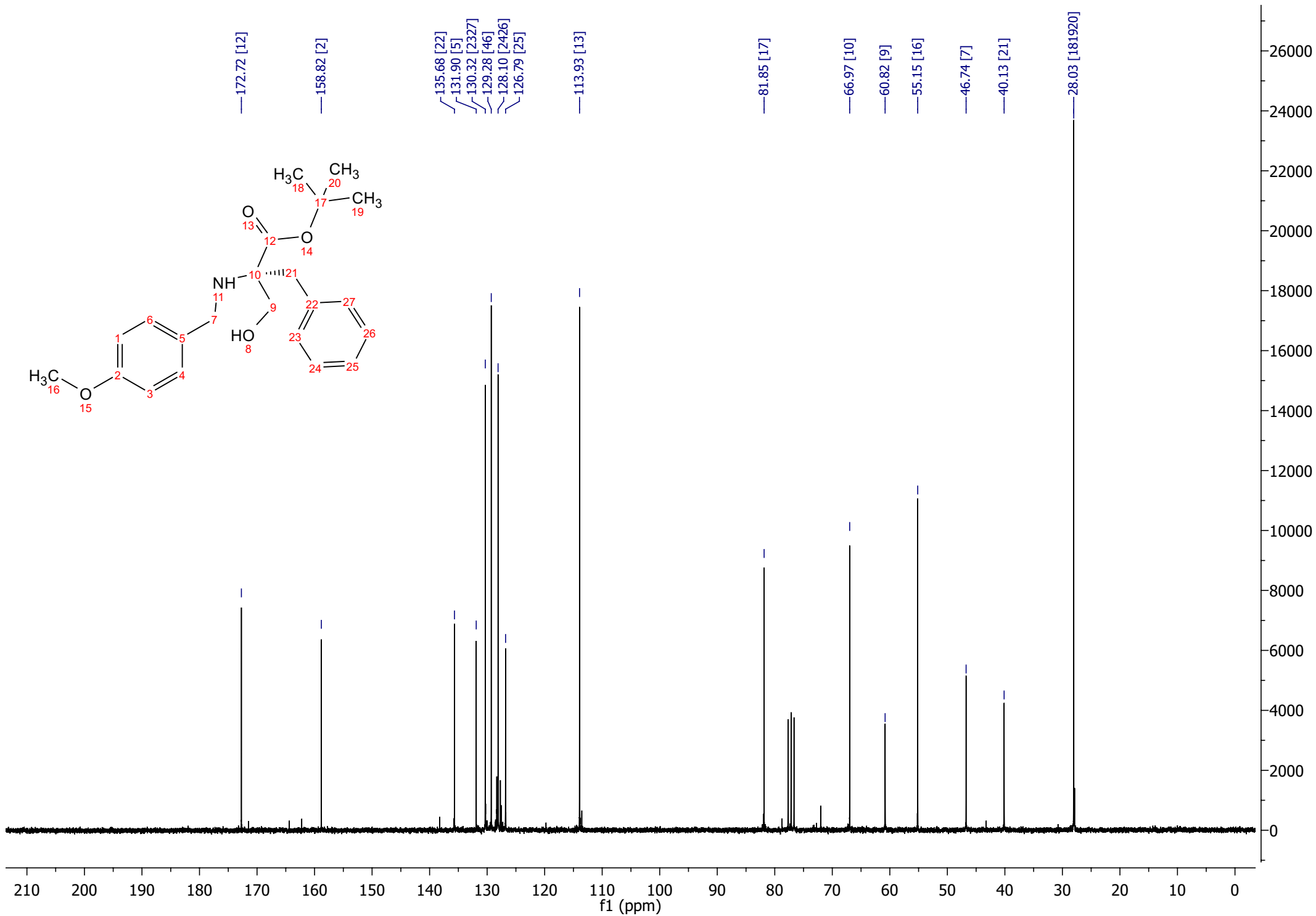


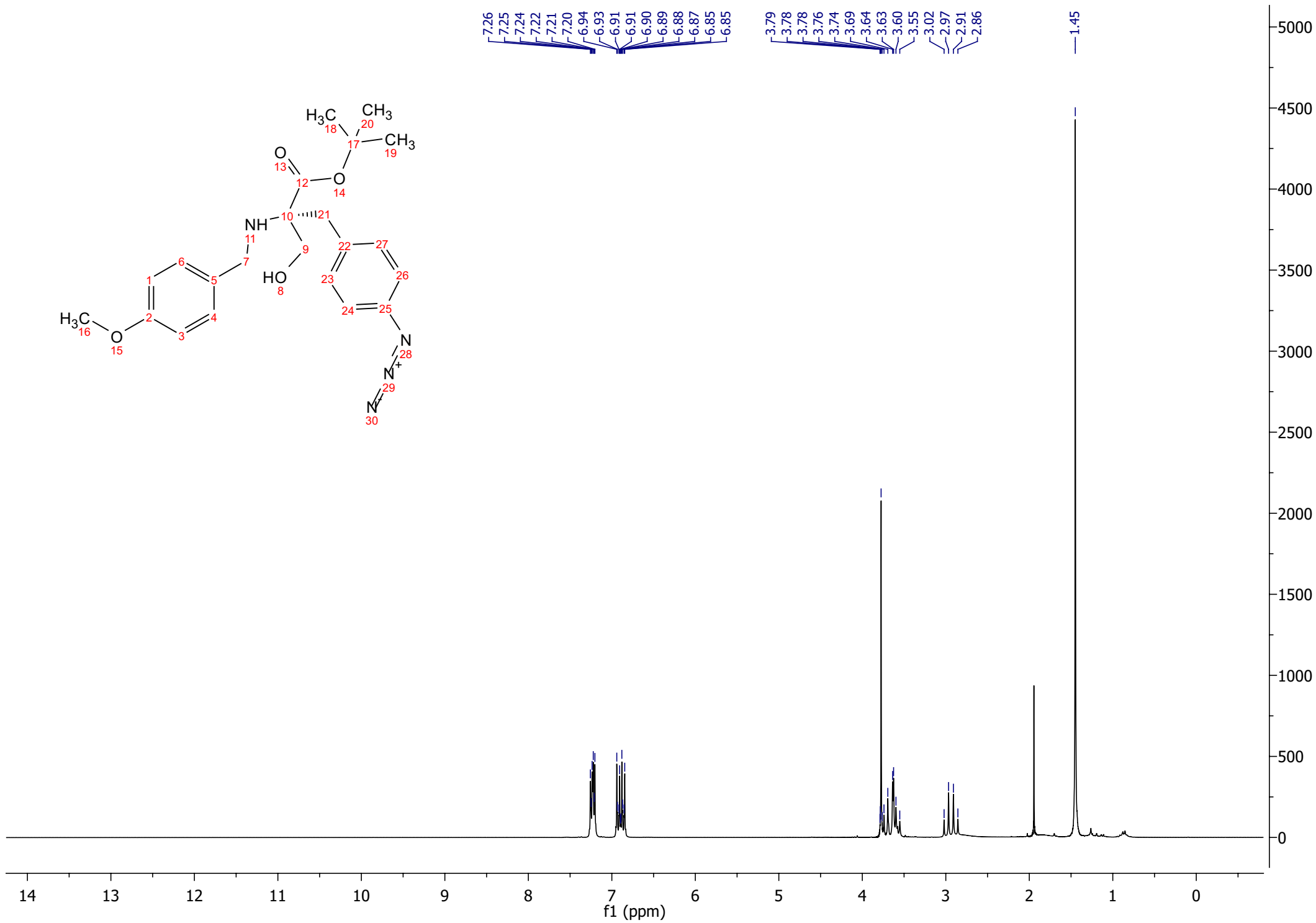
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6.89
6.88

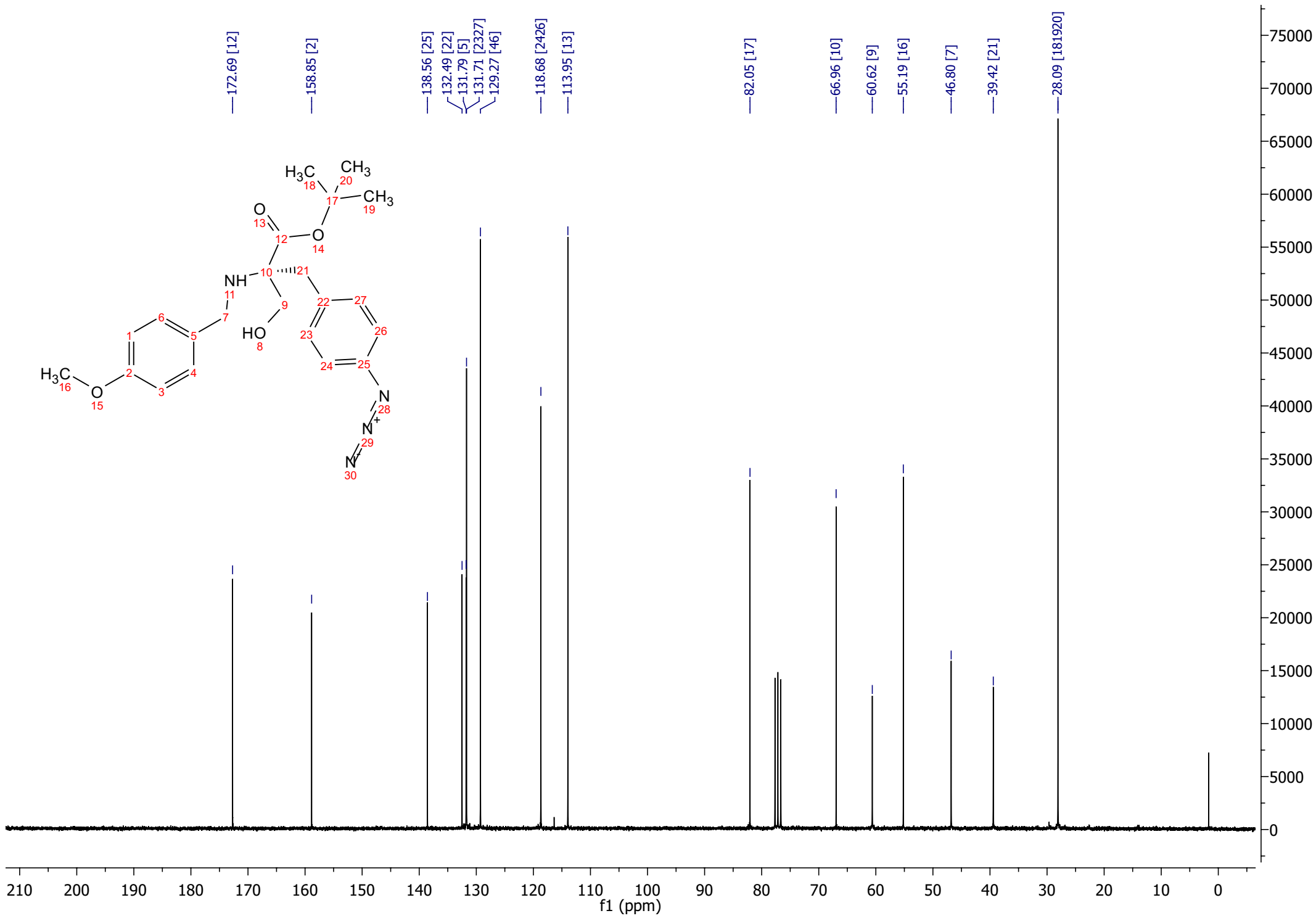
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3.76
3.69
3.69
3.67
3.64
3.04
2.97

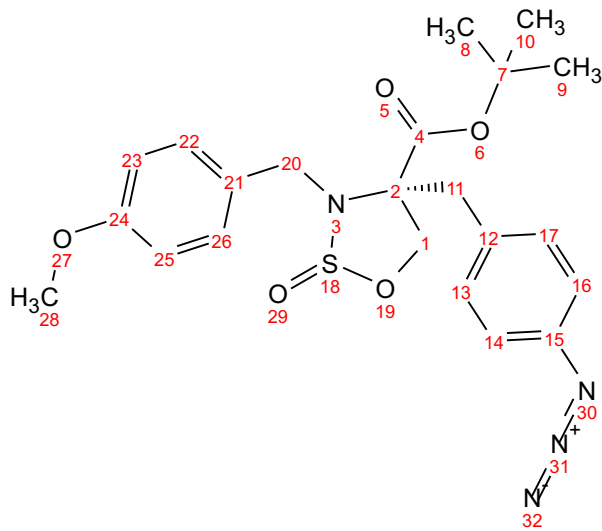
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1.46







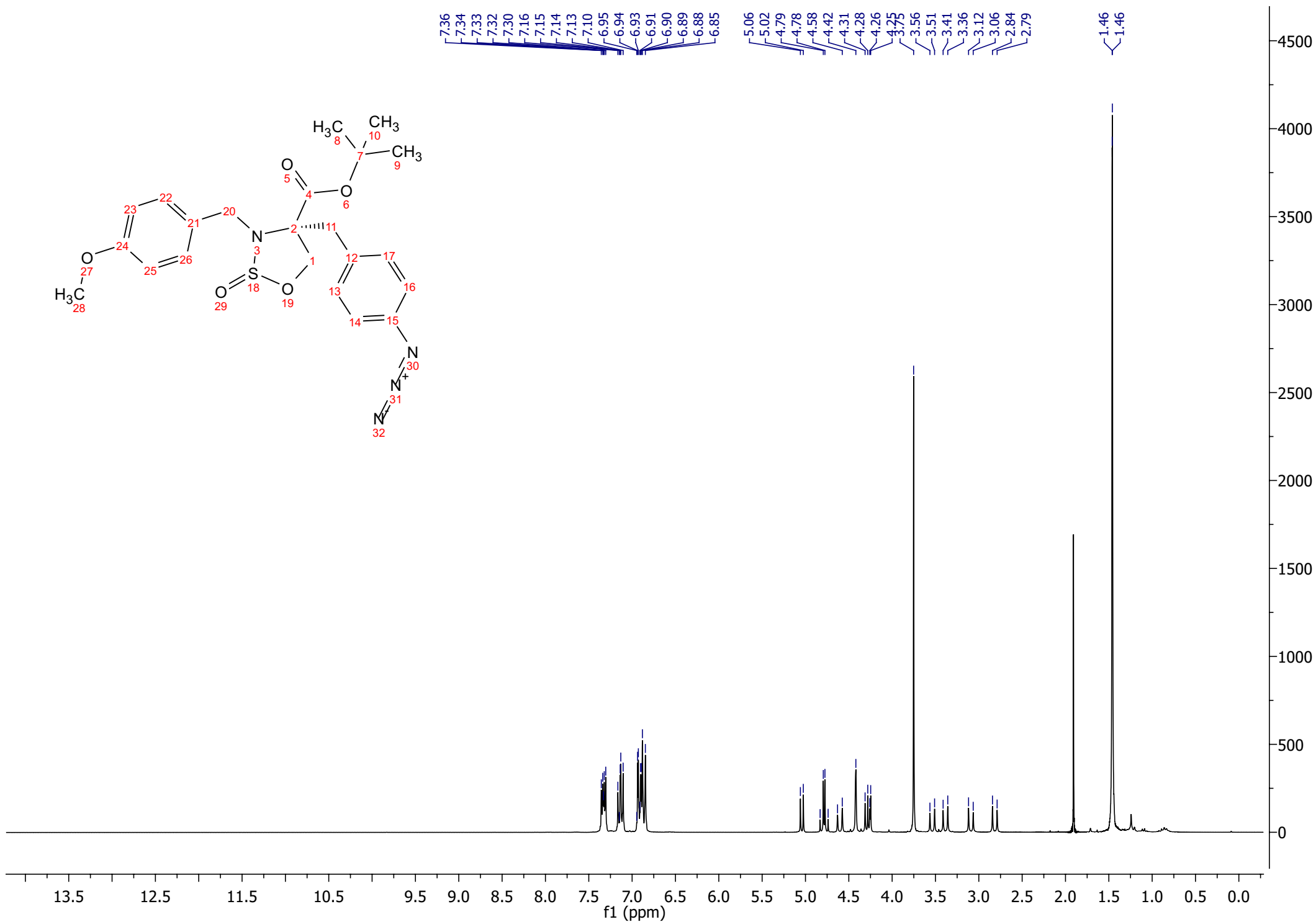


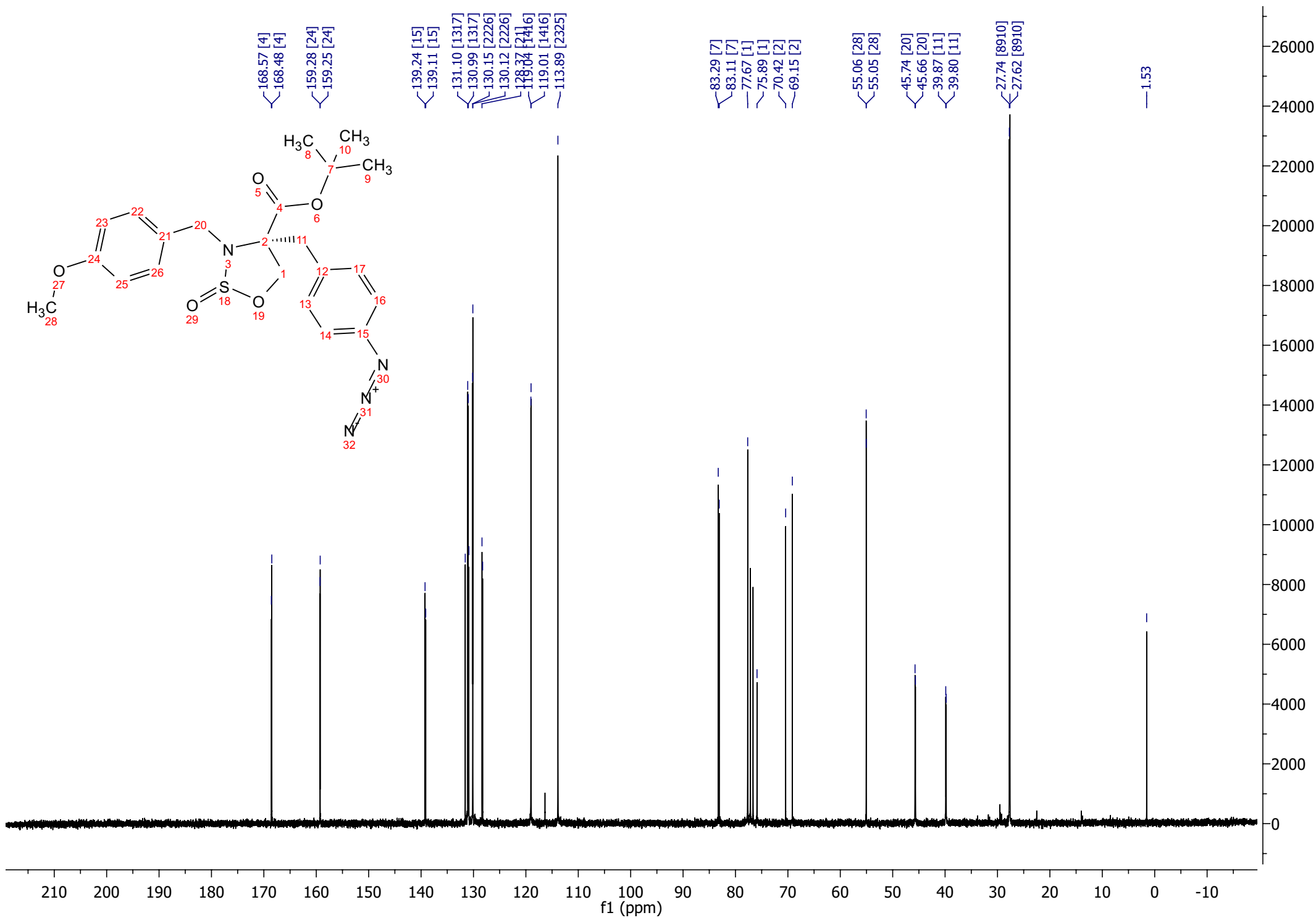


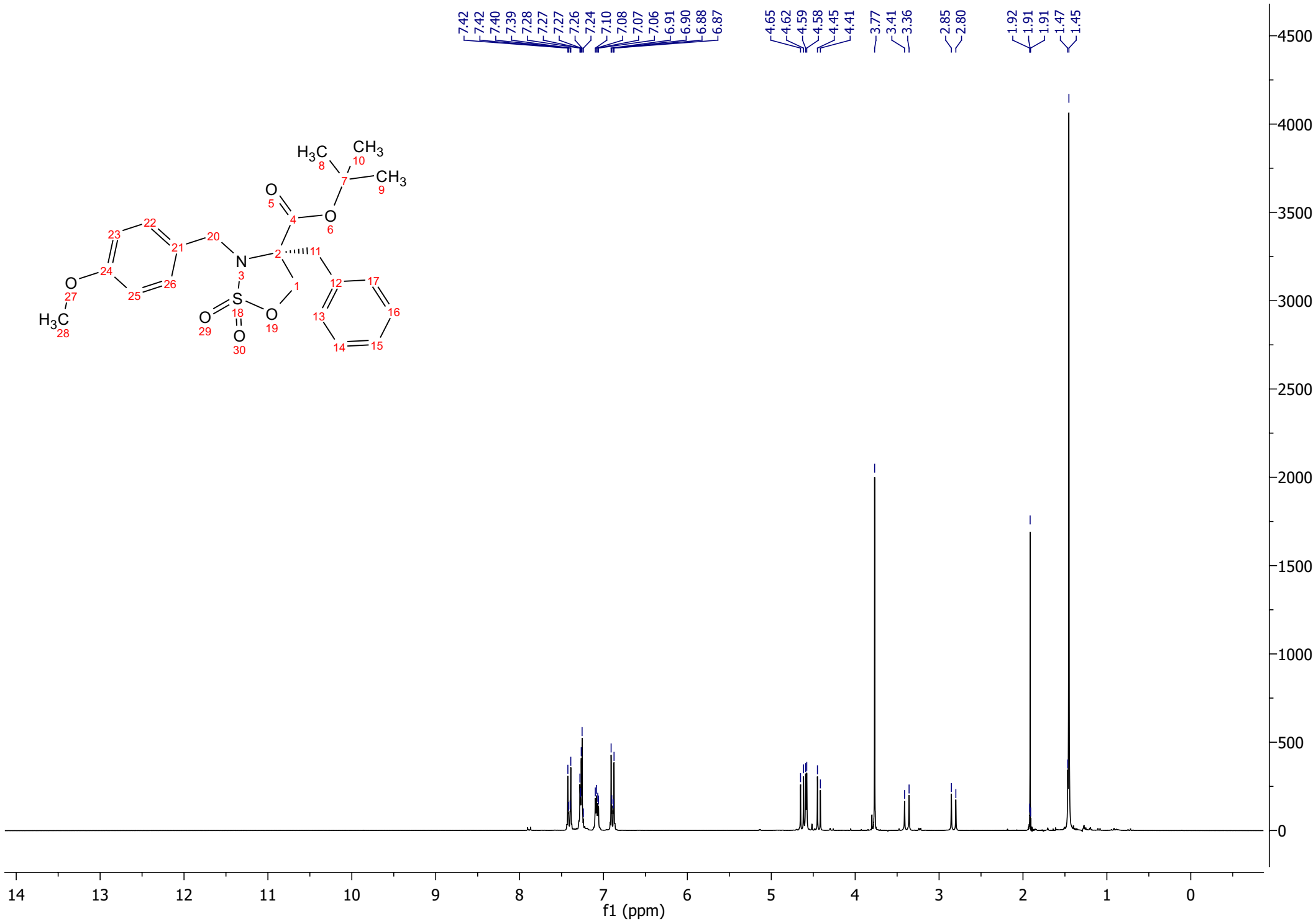
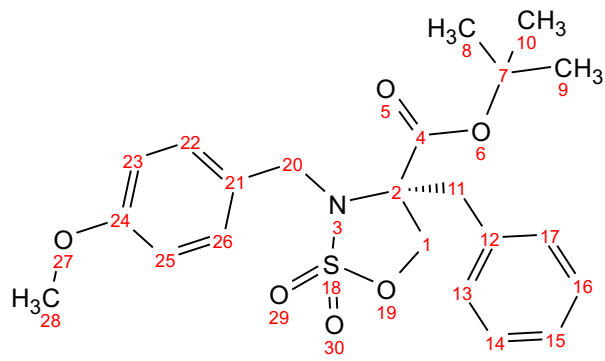
7.36
7.34
7.33
7.32
7.30
7.16
7.15
7.14
7.13
7.10
6.95
6.94
6.93
6.91
6.90
6.89
6.88
6.85

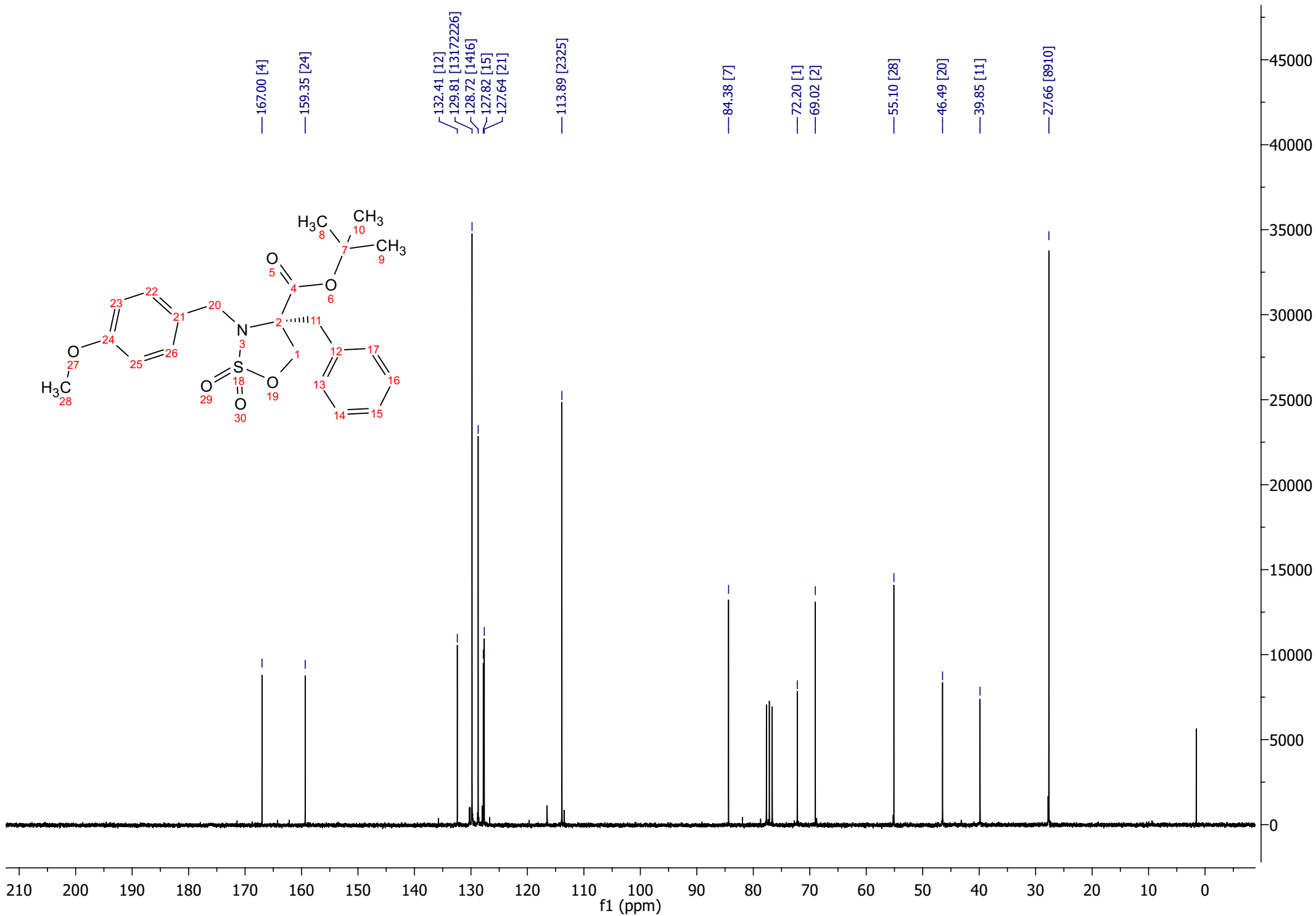
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5.02
4.79
4.78
4.58
4.42
4.31
4.28
4.26
4.25
3.75
3.56
3.51
3.41
3.36
3.12
3.06
2.84
2.79

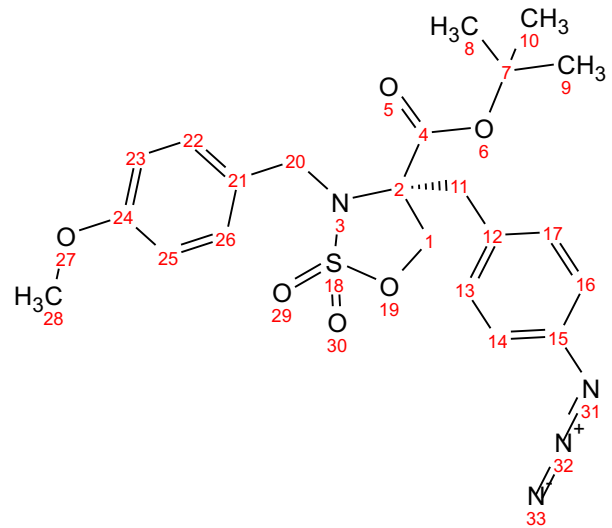
1.46
1.46











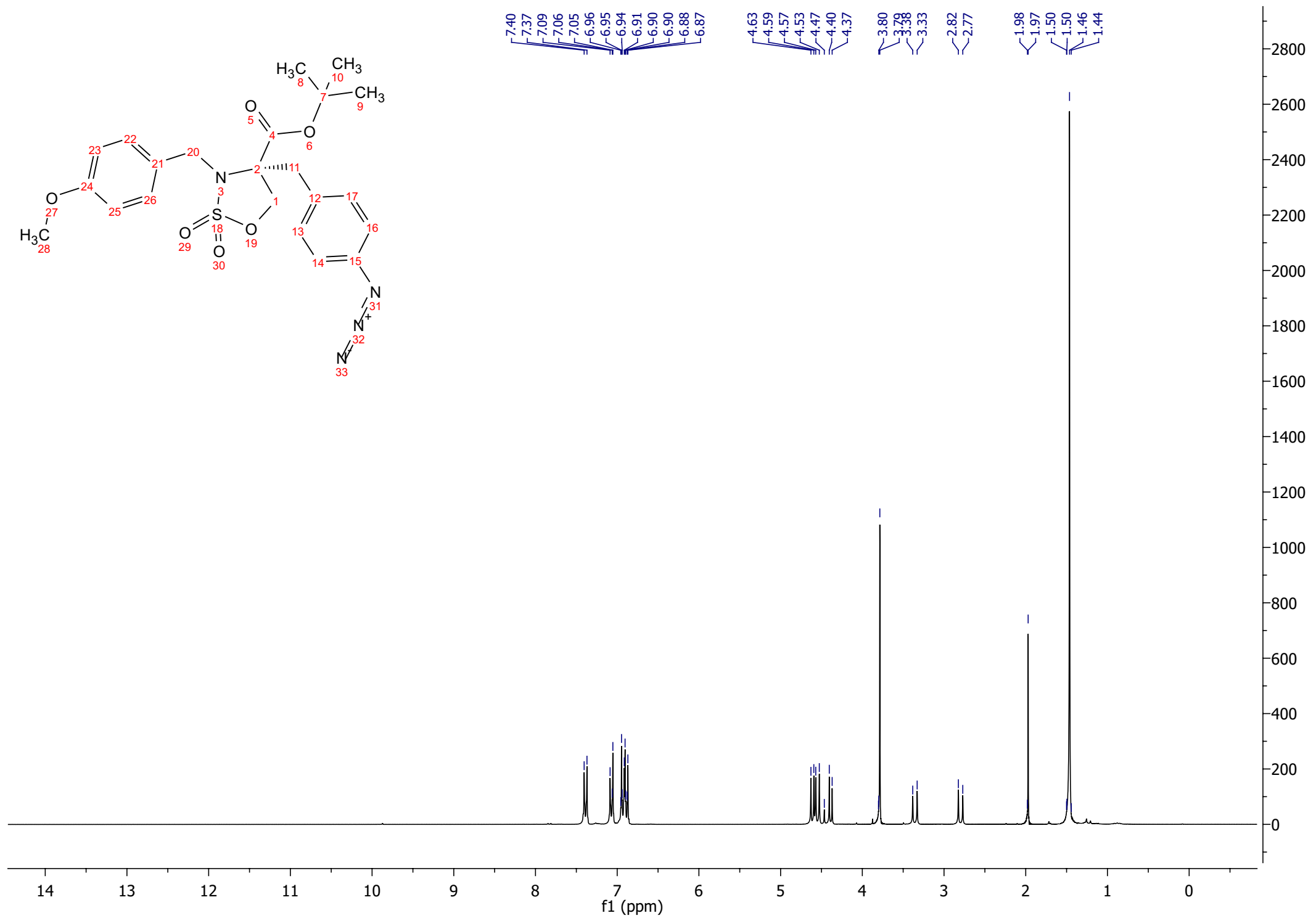
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6.94
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6.87

4.63
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4.57
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4.40
4.37

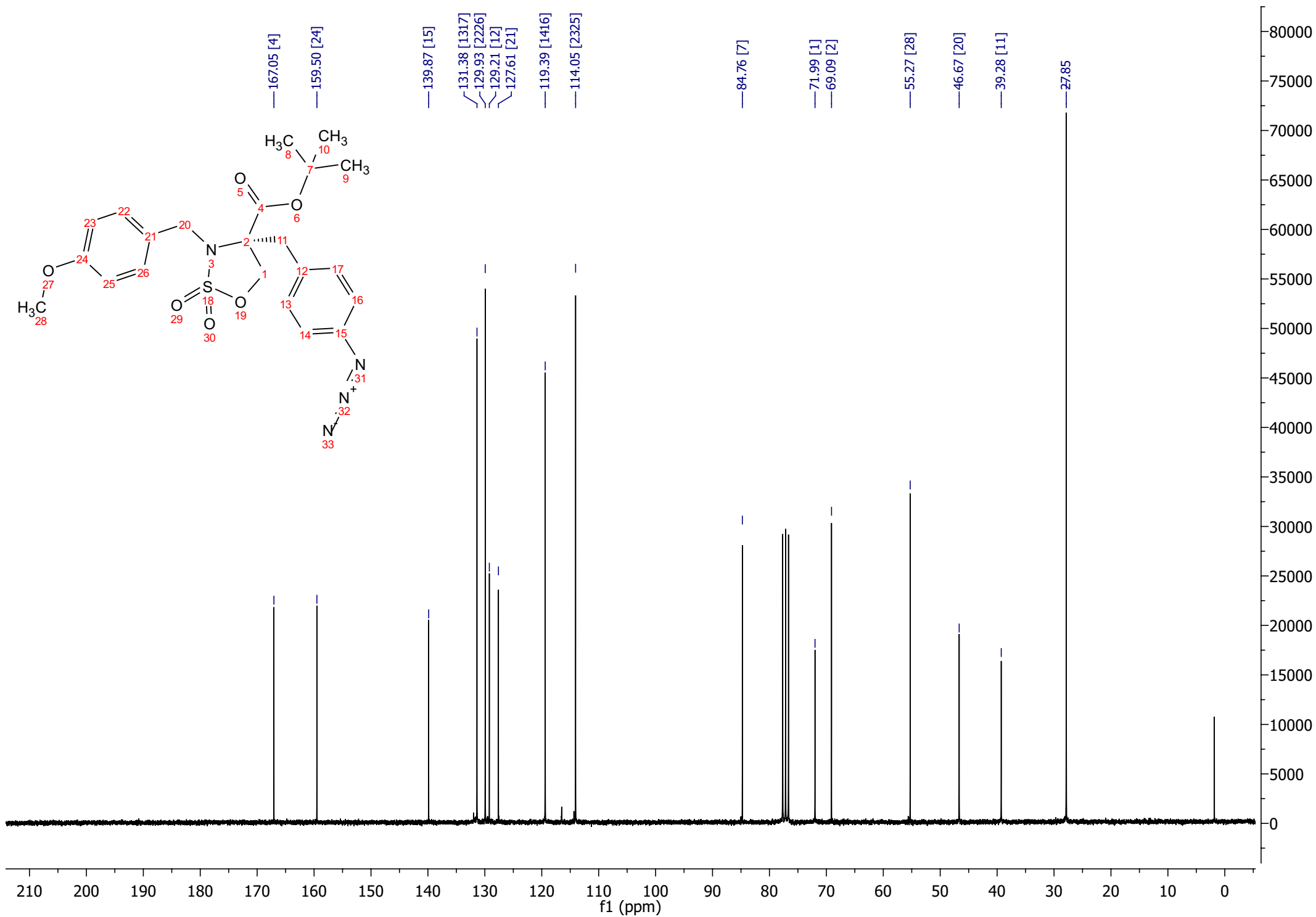
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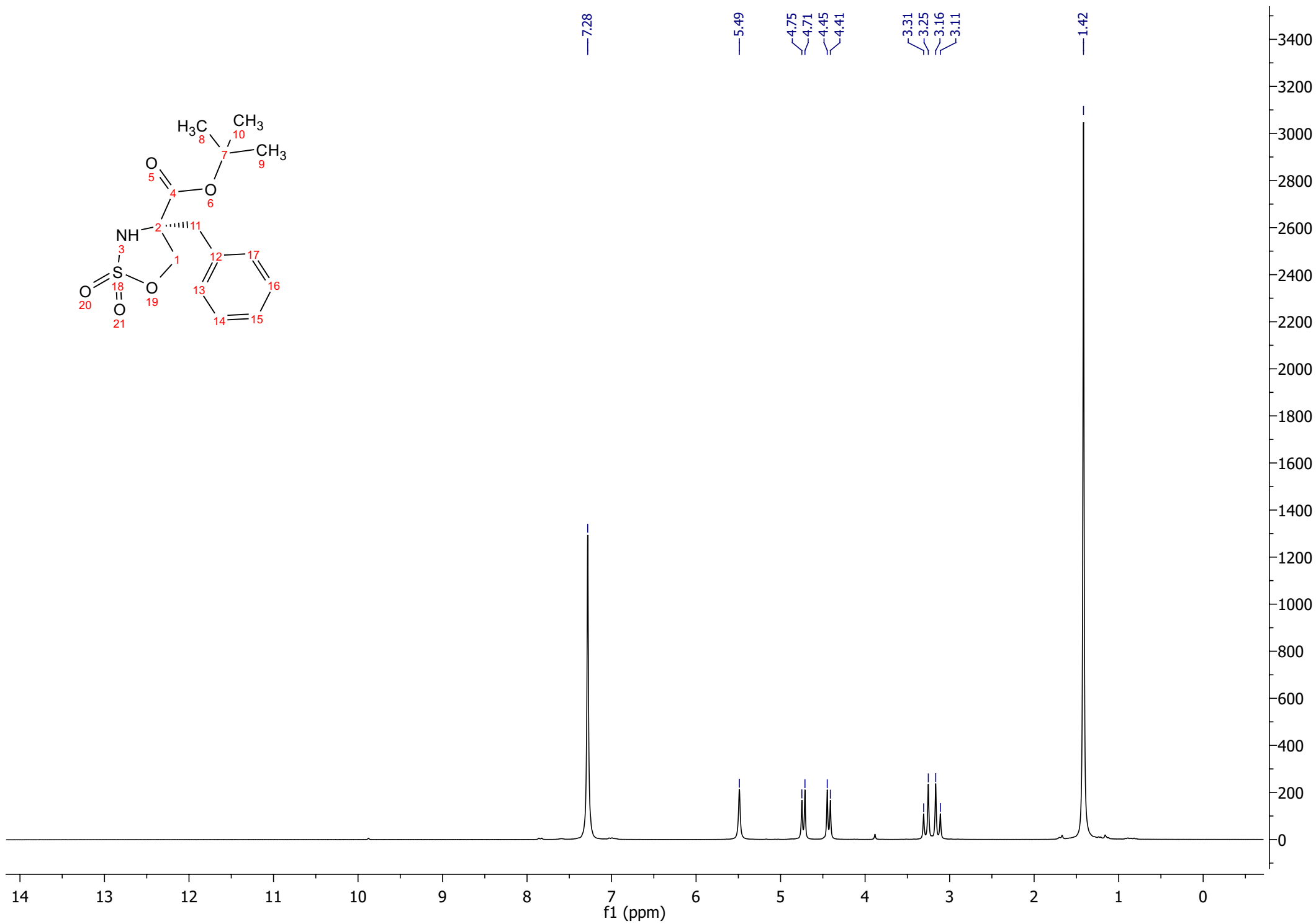
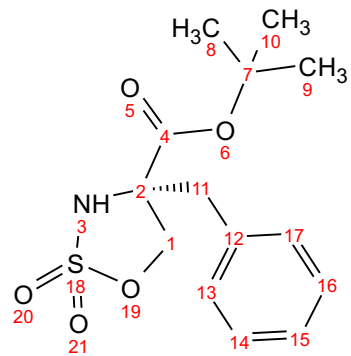
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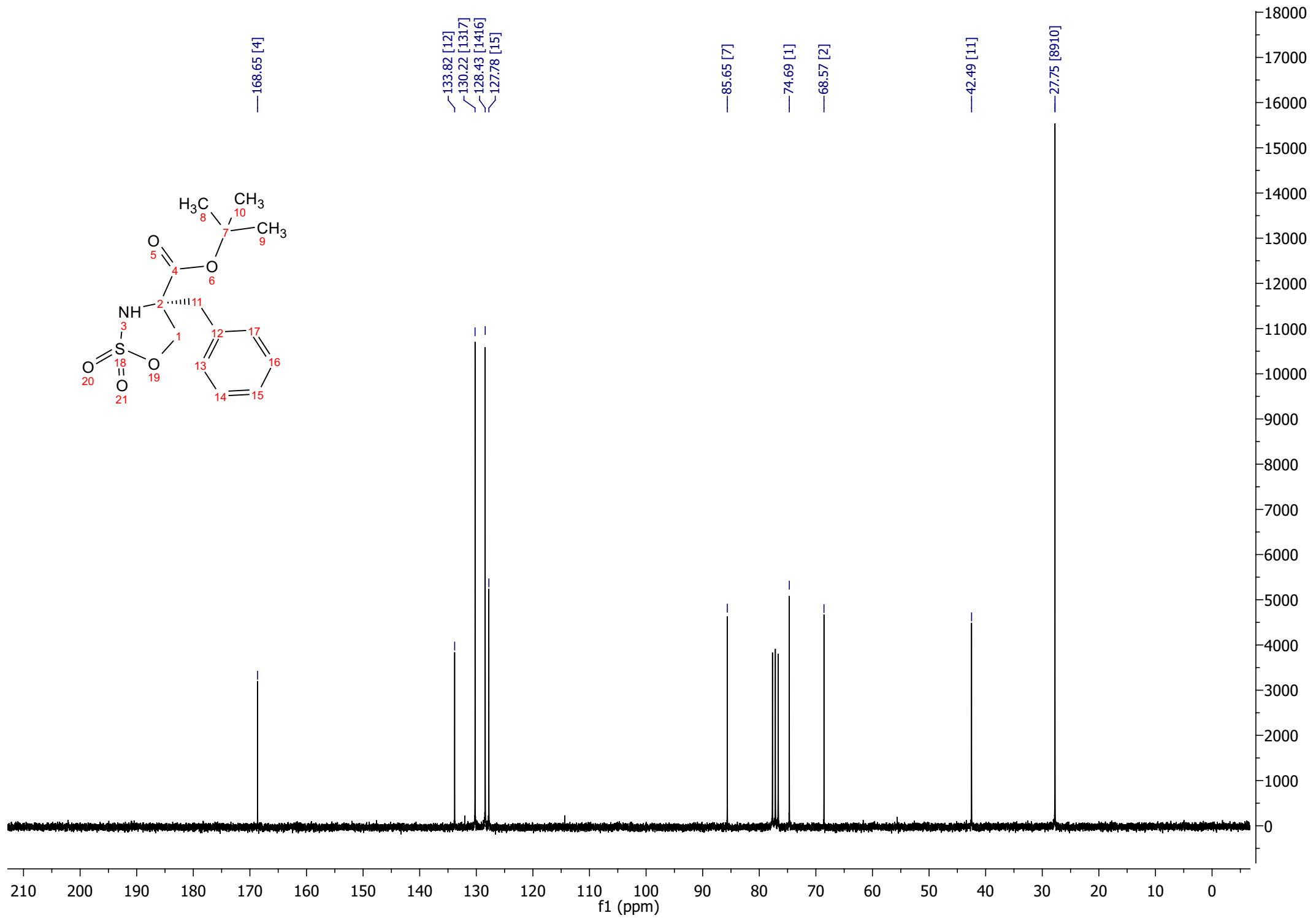
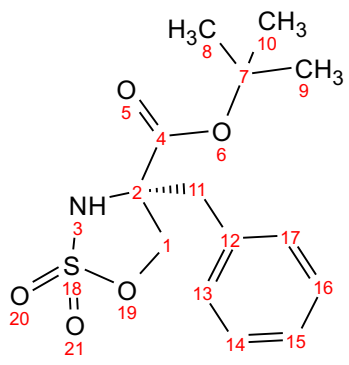
1.98
1.97
1.50
1.50
1.46
1.44

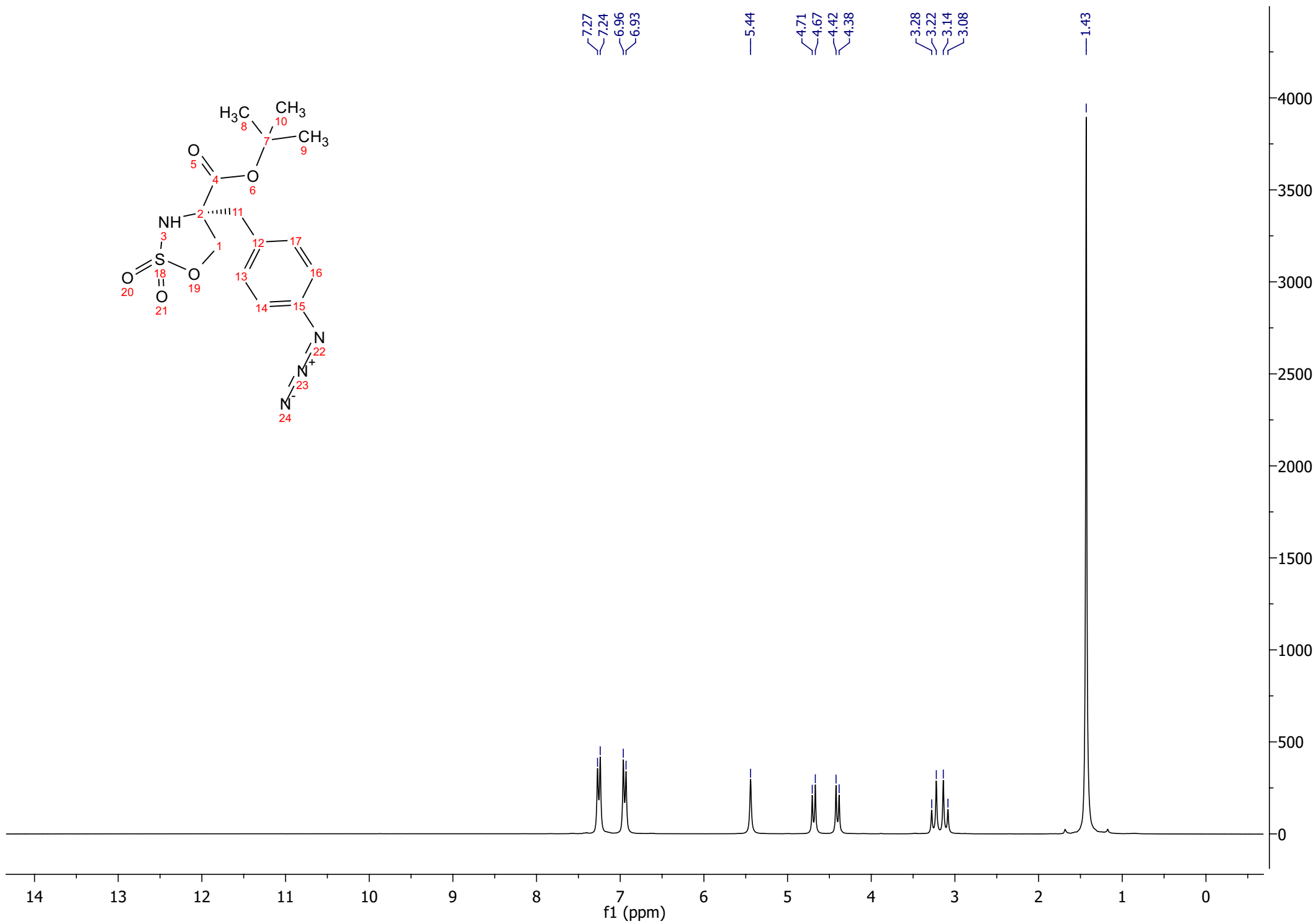
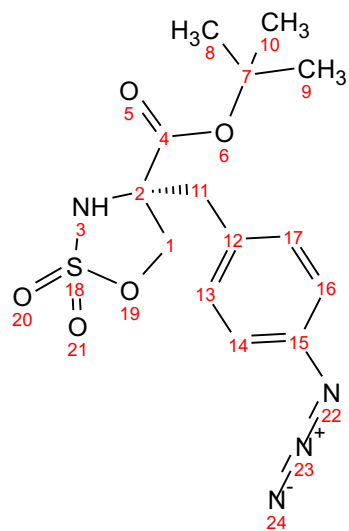


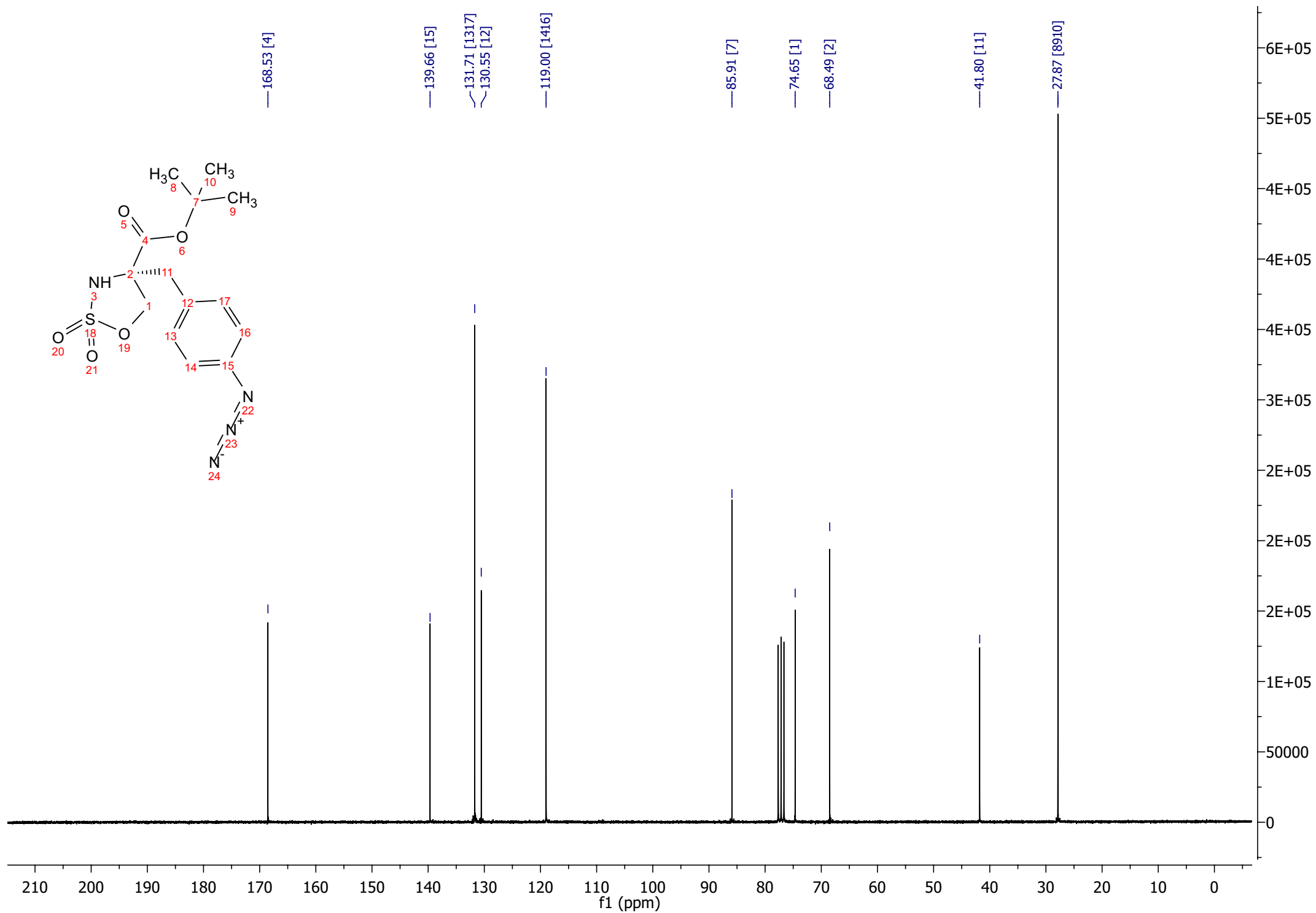
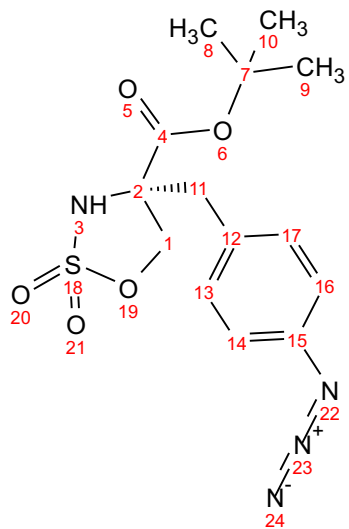
f1 (ppm)

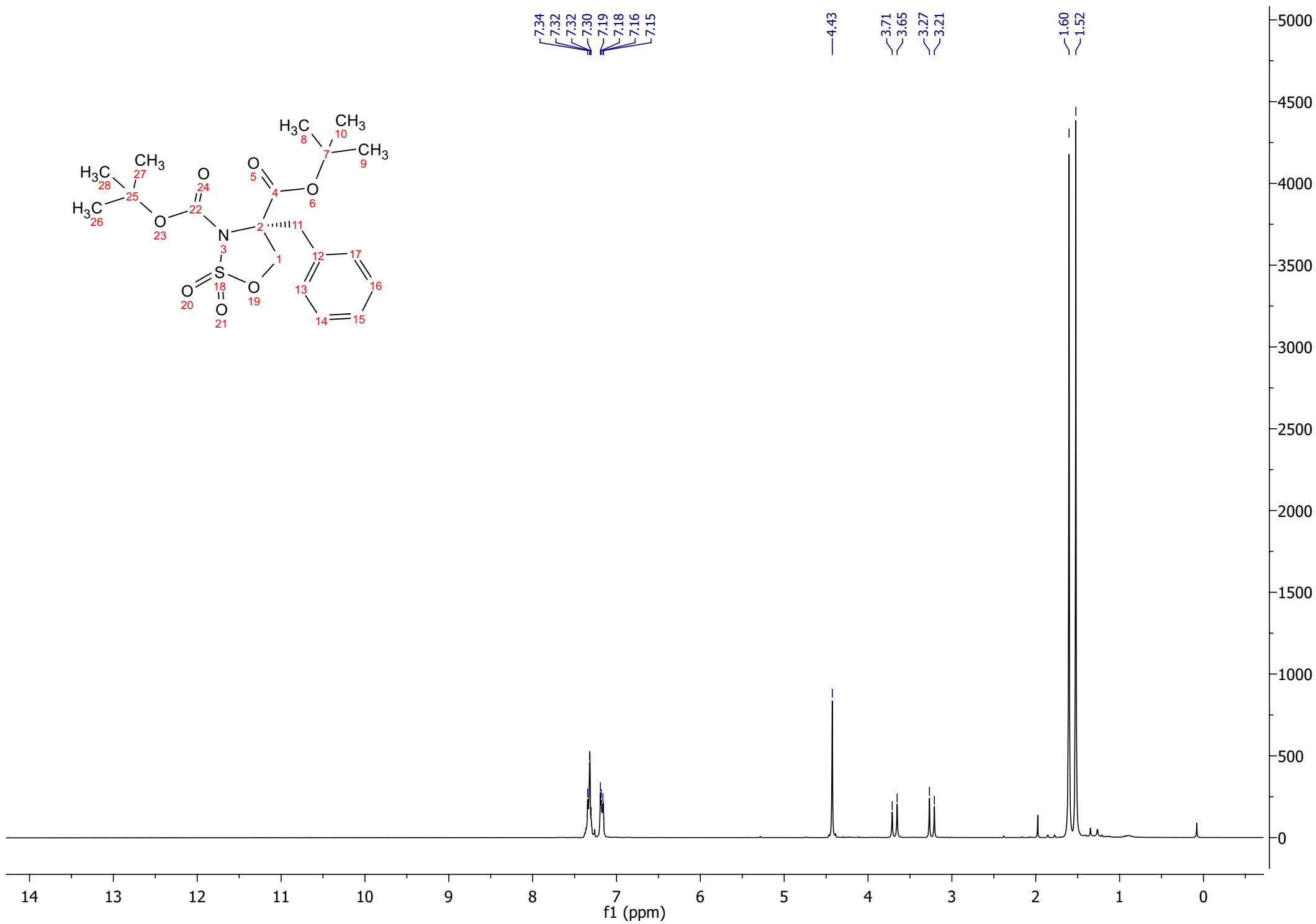
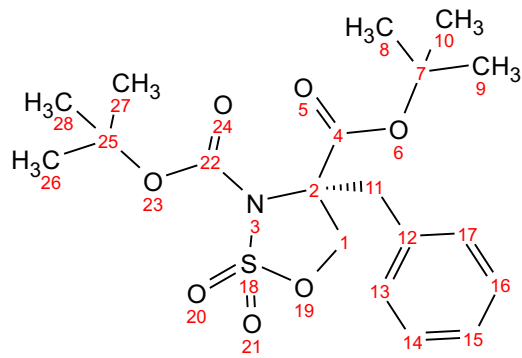


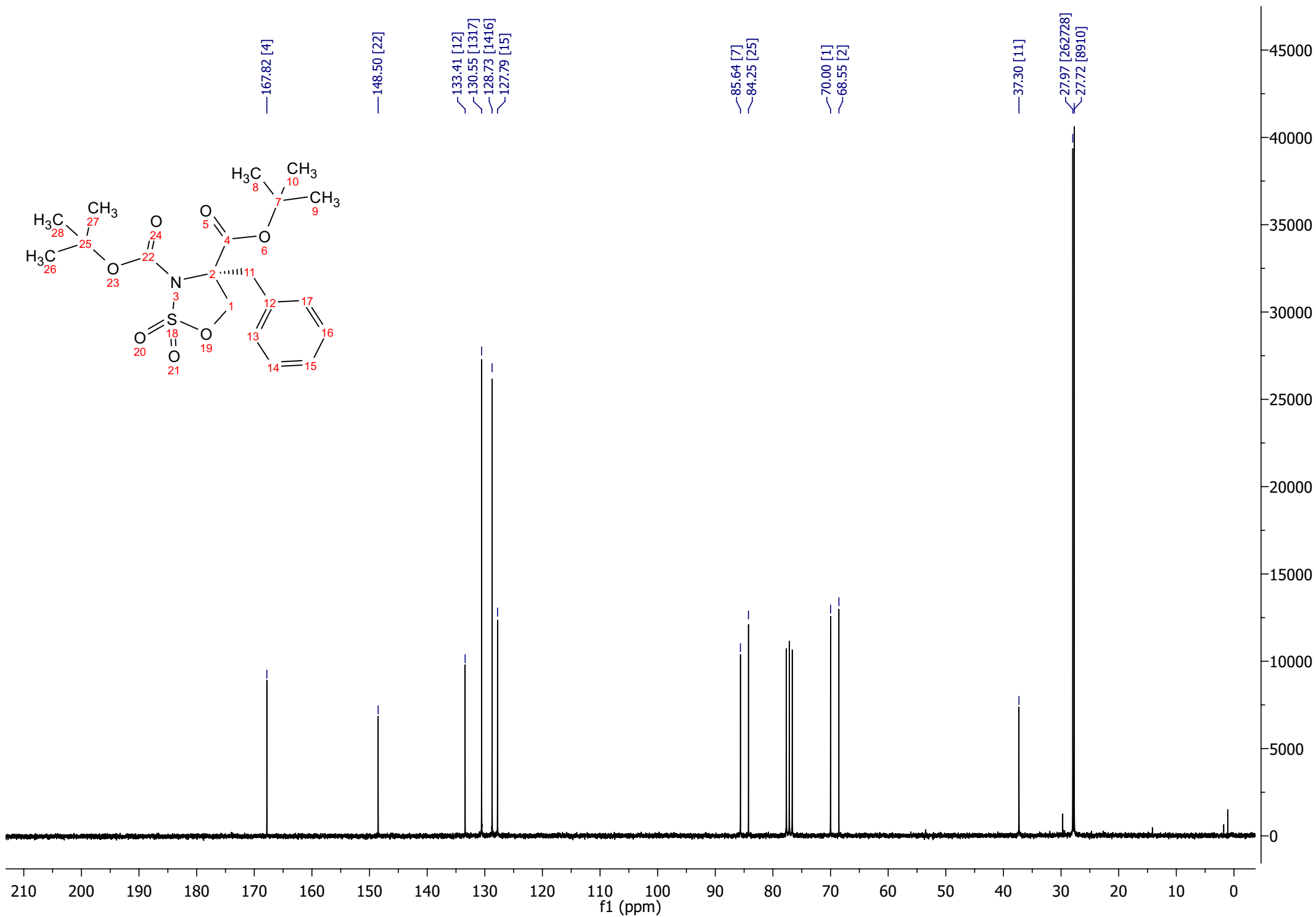








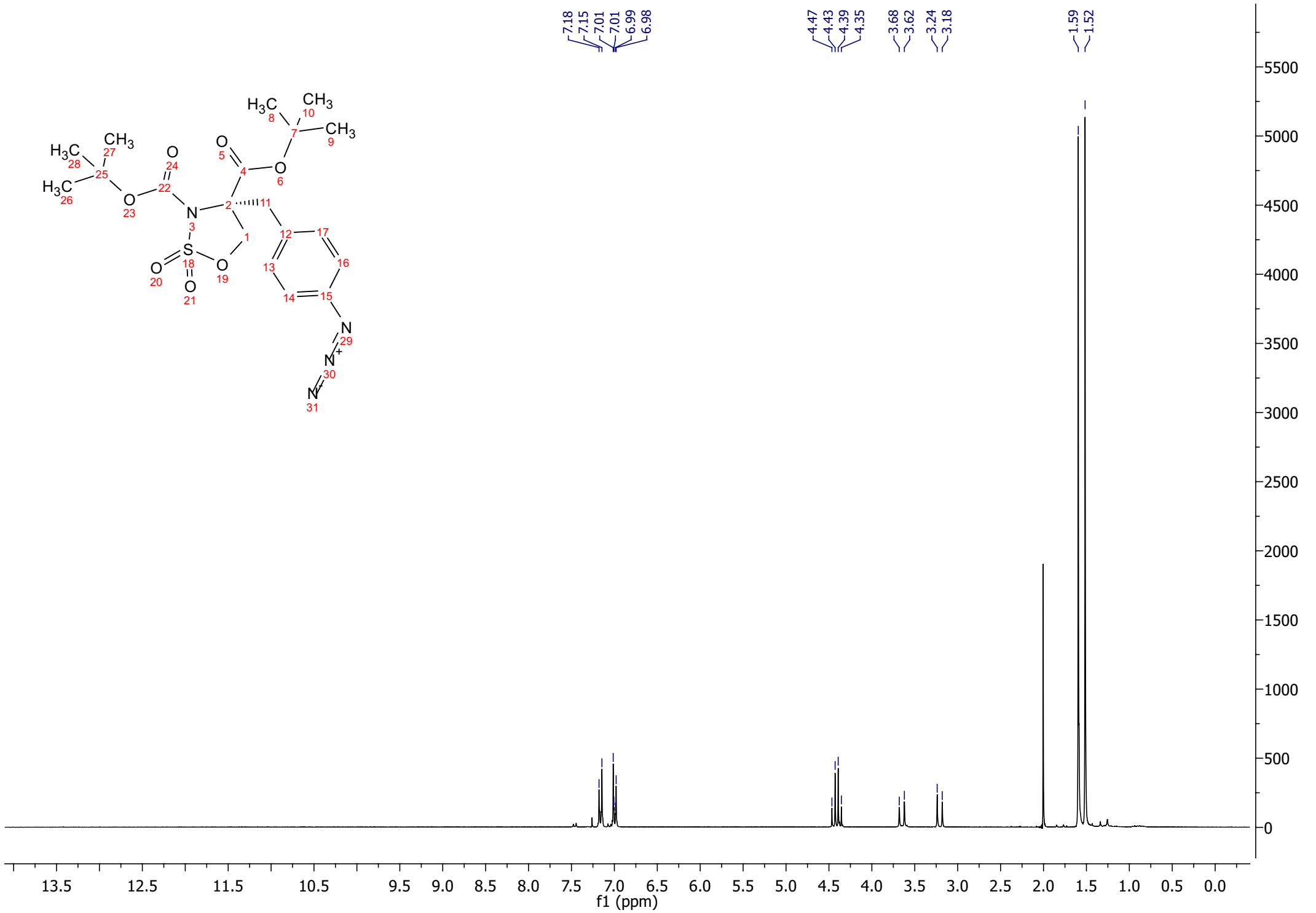
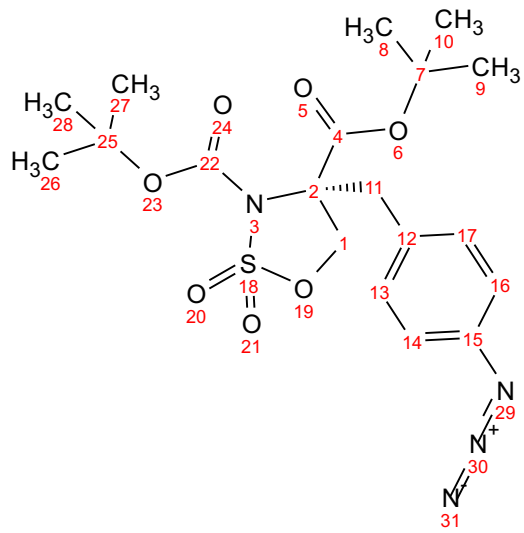


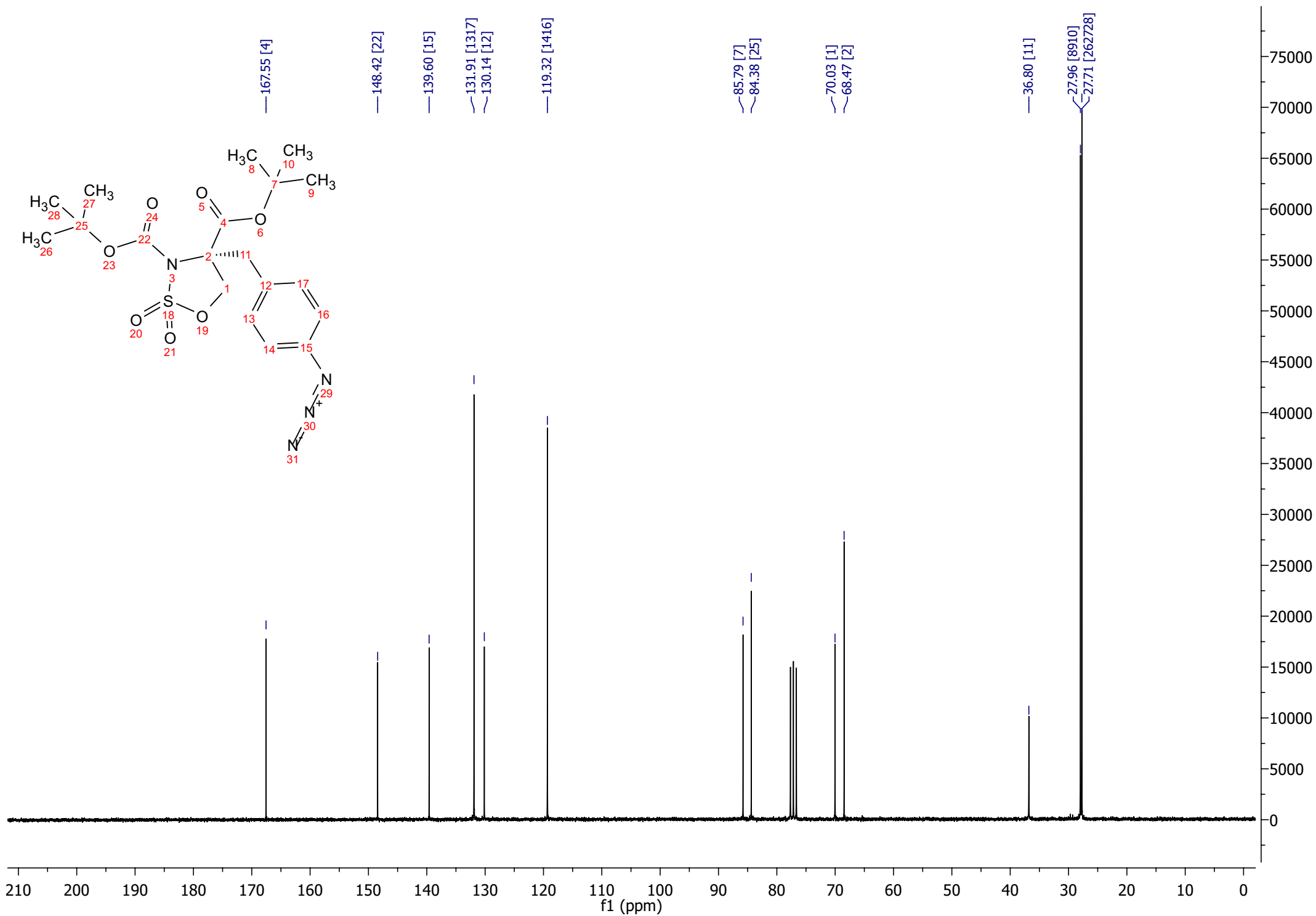


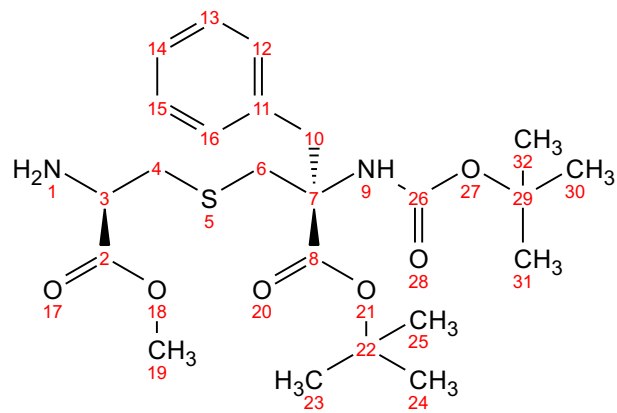
7.18
7.15
7.01
7.01
6.99
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4.47
4.43
4.39
4.35
3.68
3.62
3.24
3.18

1.59
1.52



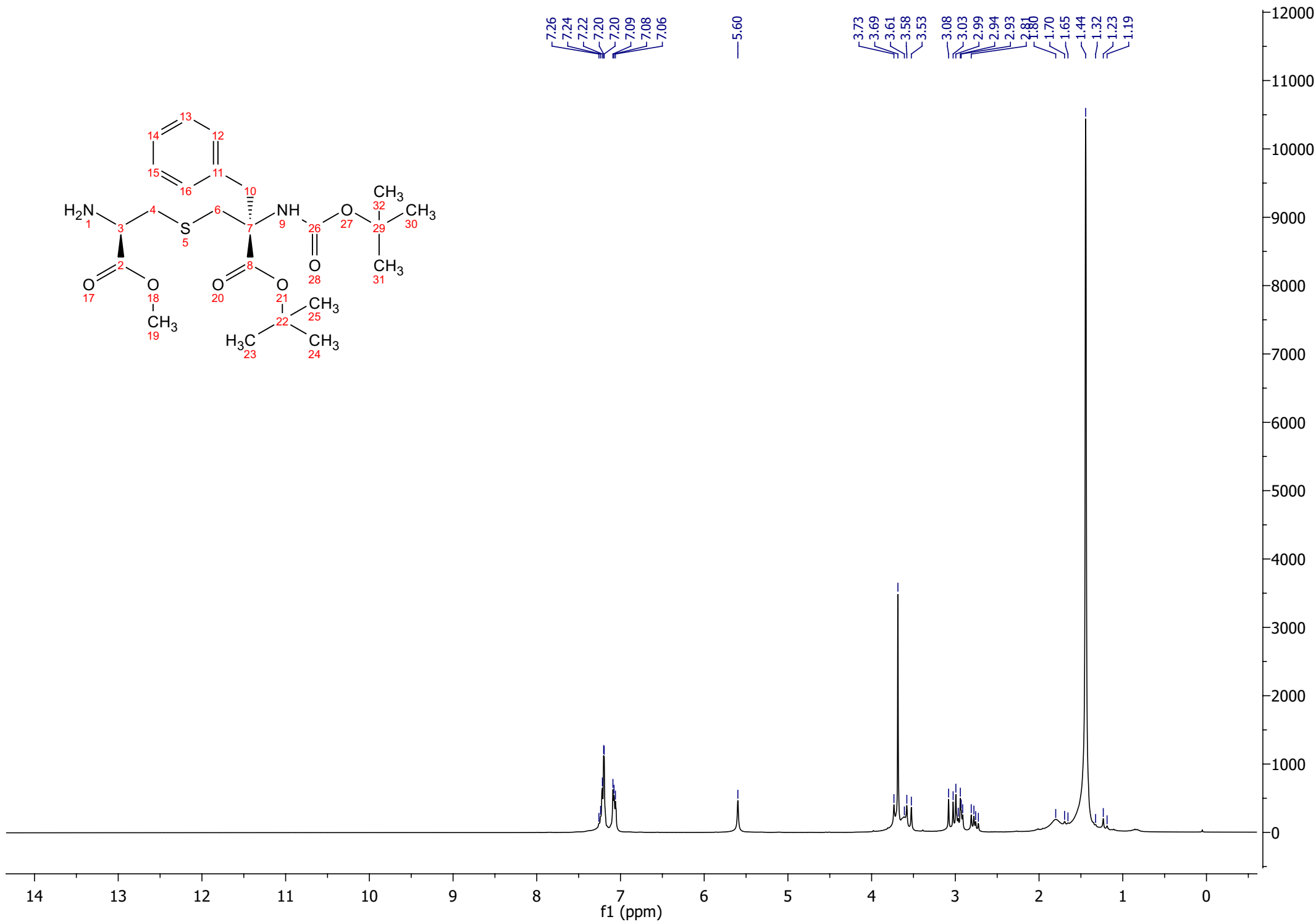


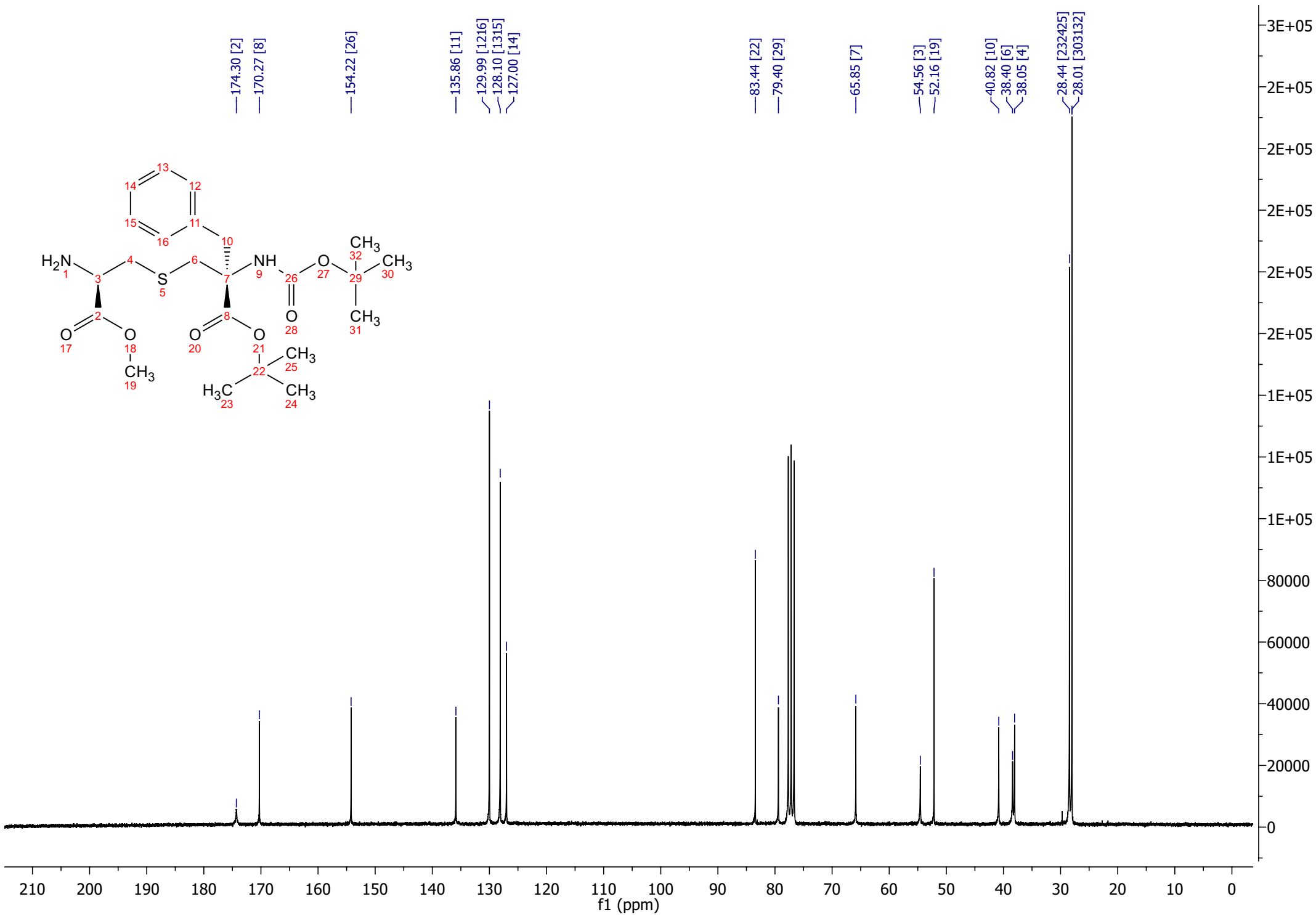


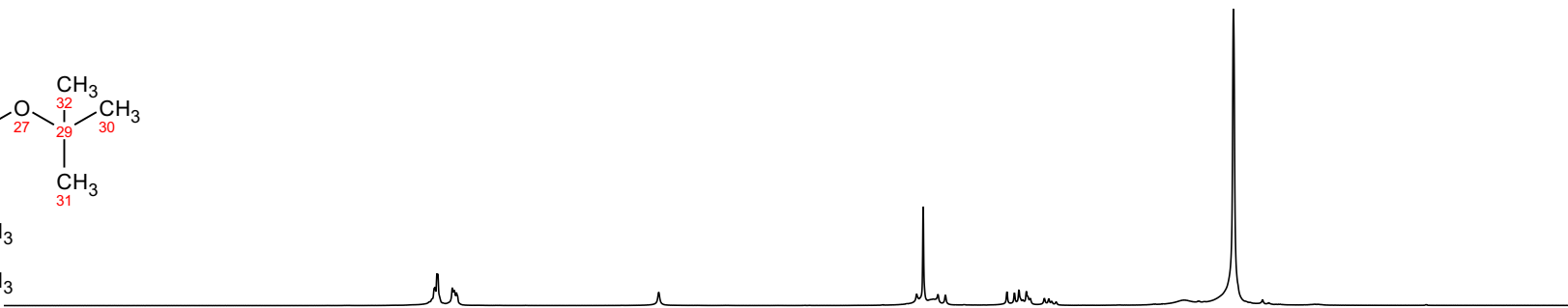
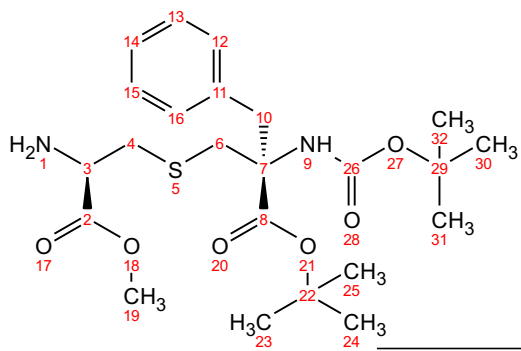
7.26
7.24
7.22
7.20
7.20
7.09
7.08
7.06

5.60

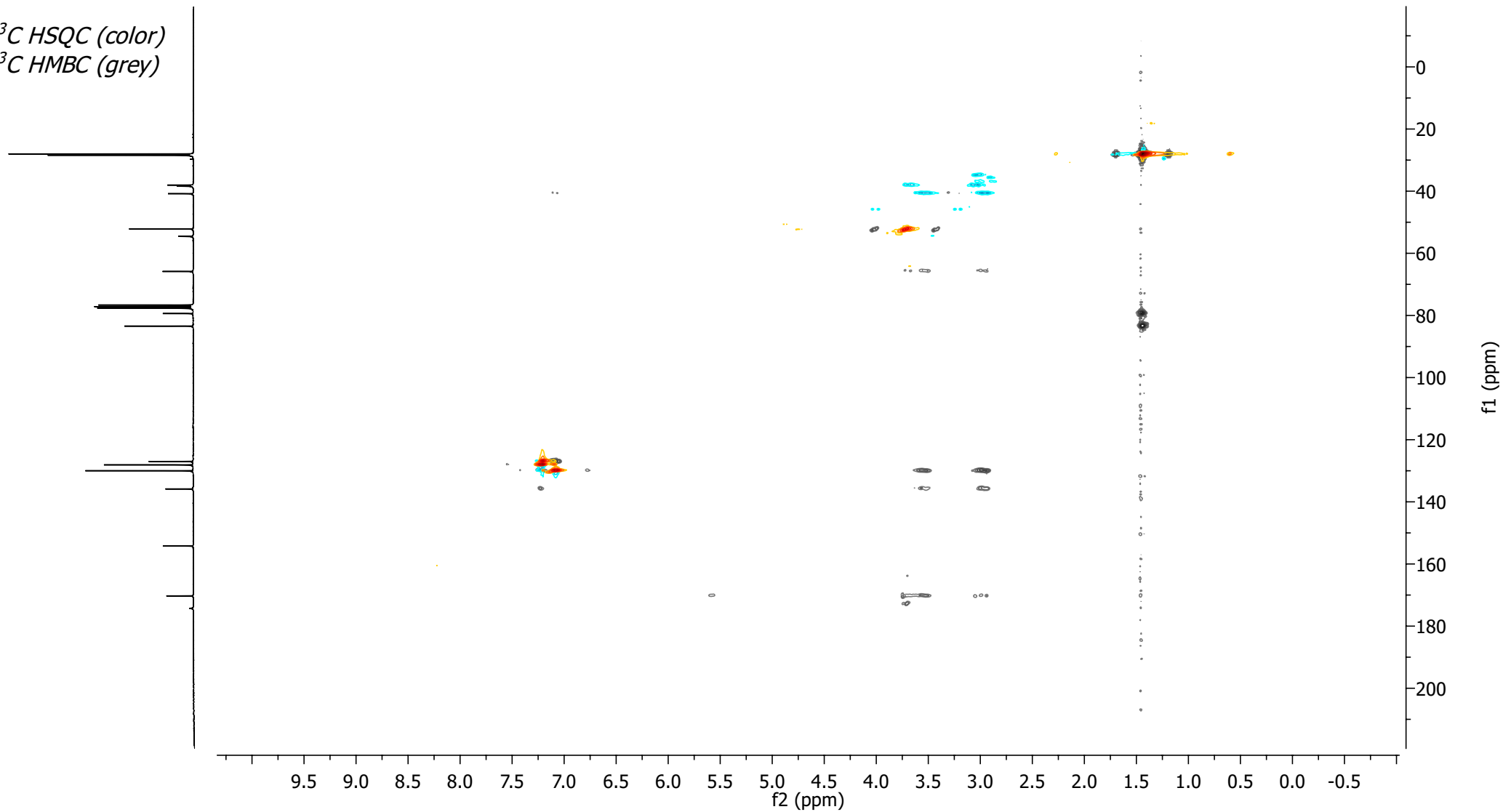
3.73
3.69
3.61
3.58
3.53
3.08
3.03
2.99
2.94
2.93
2.81
1.80
1.70
1.65
1.44
1.32
1.23
1.19

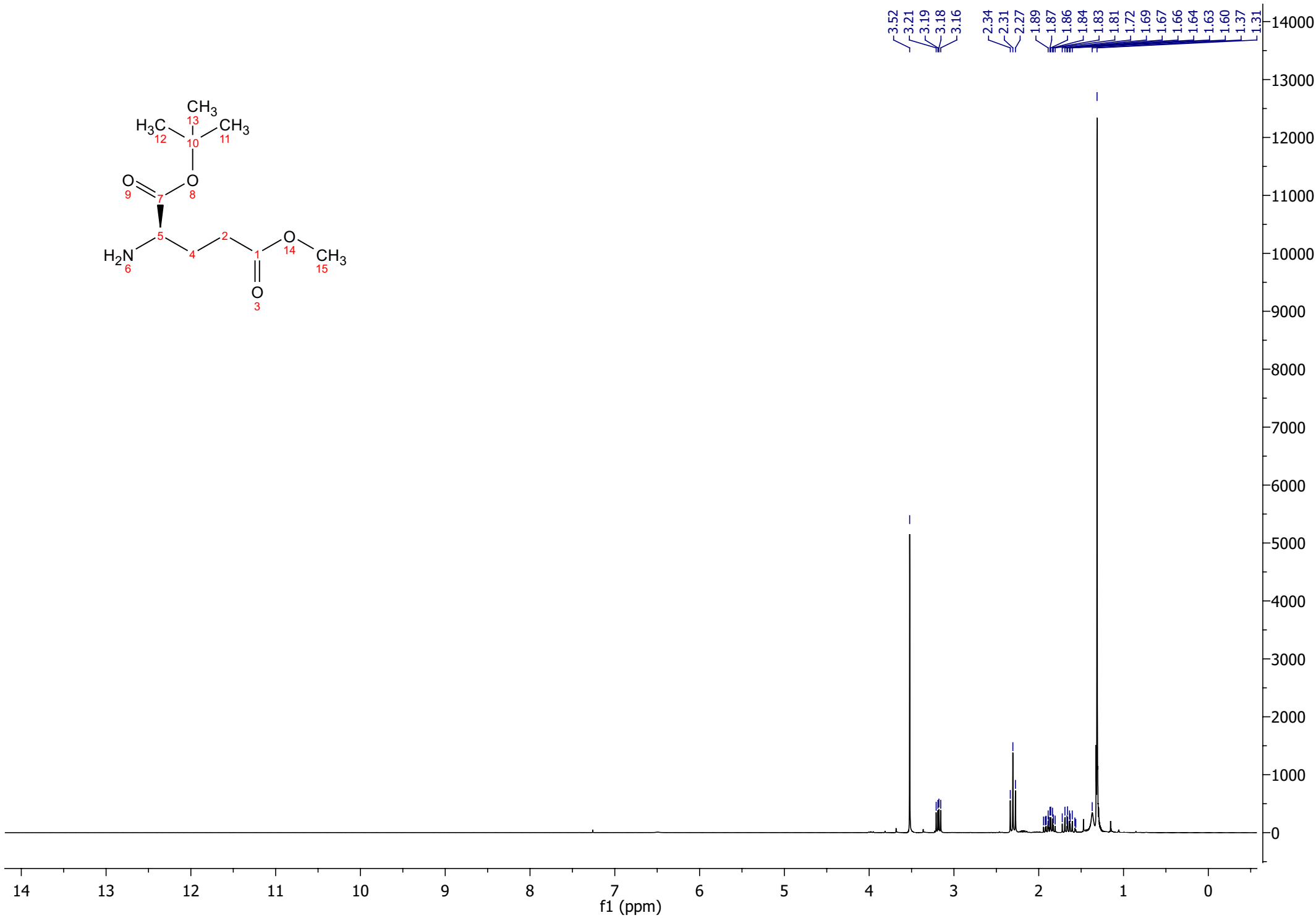
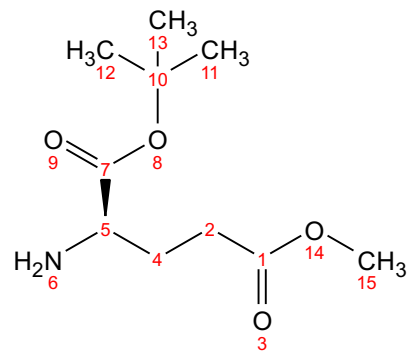


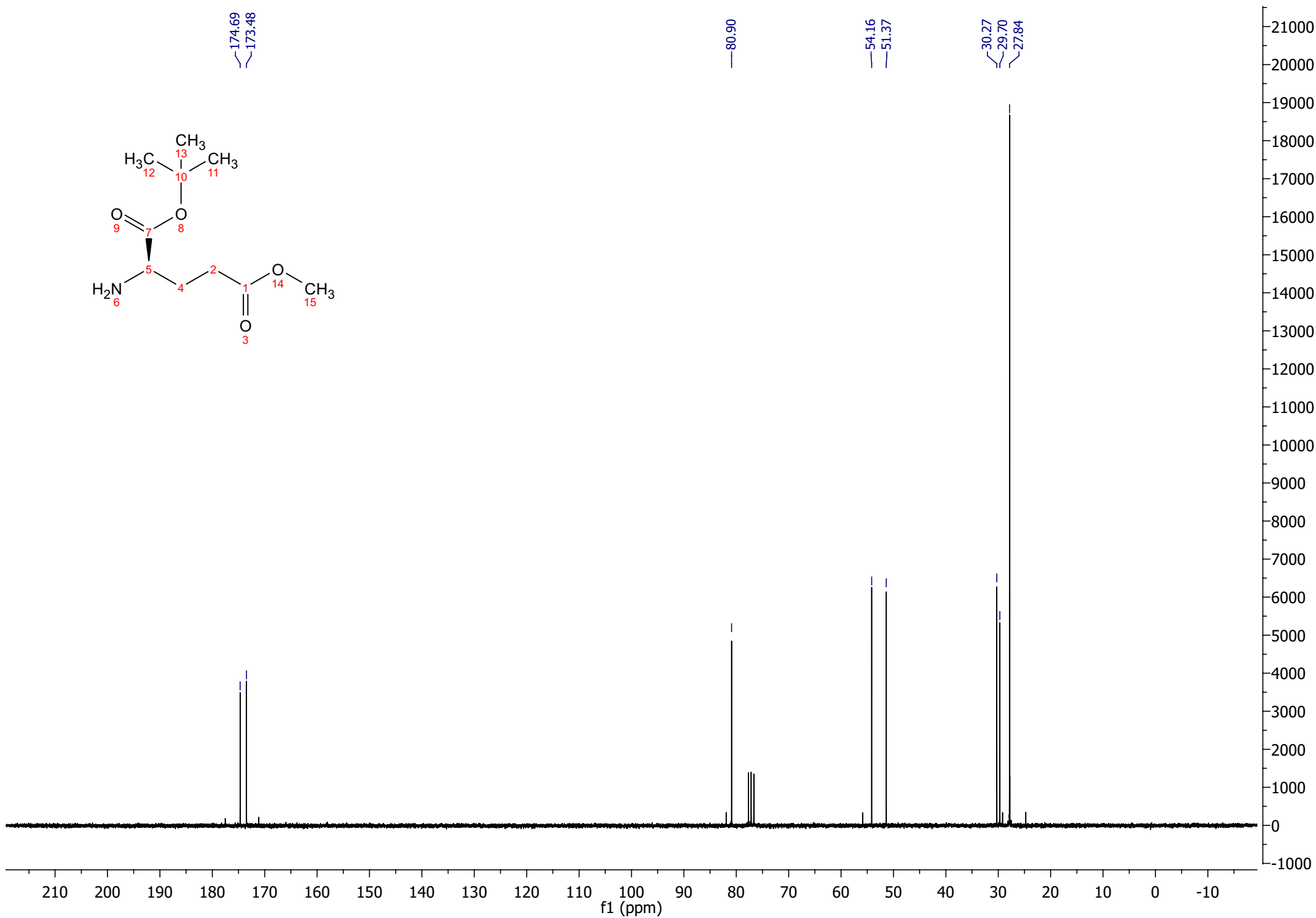
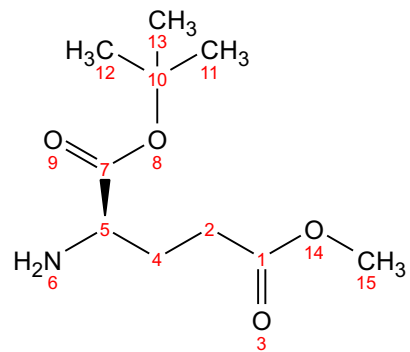


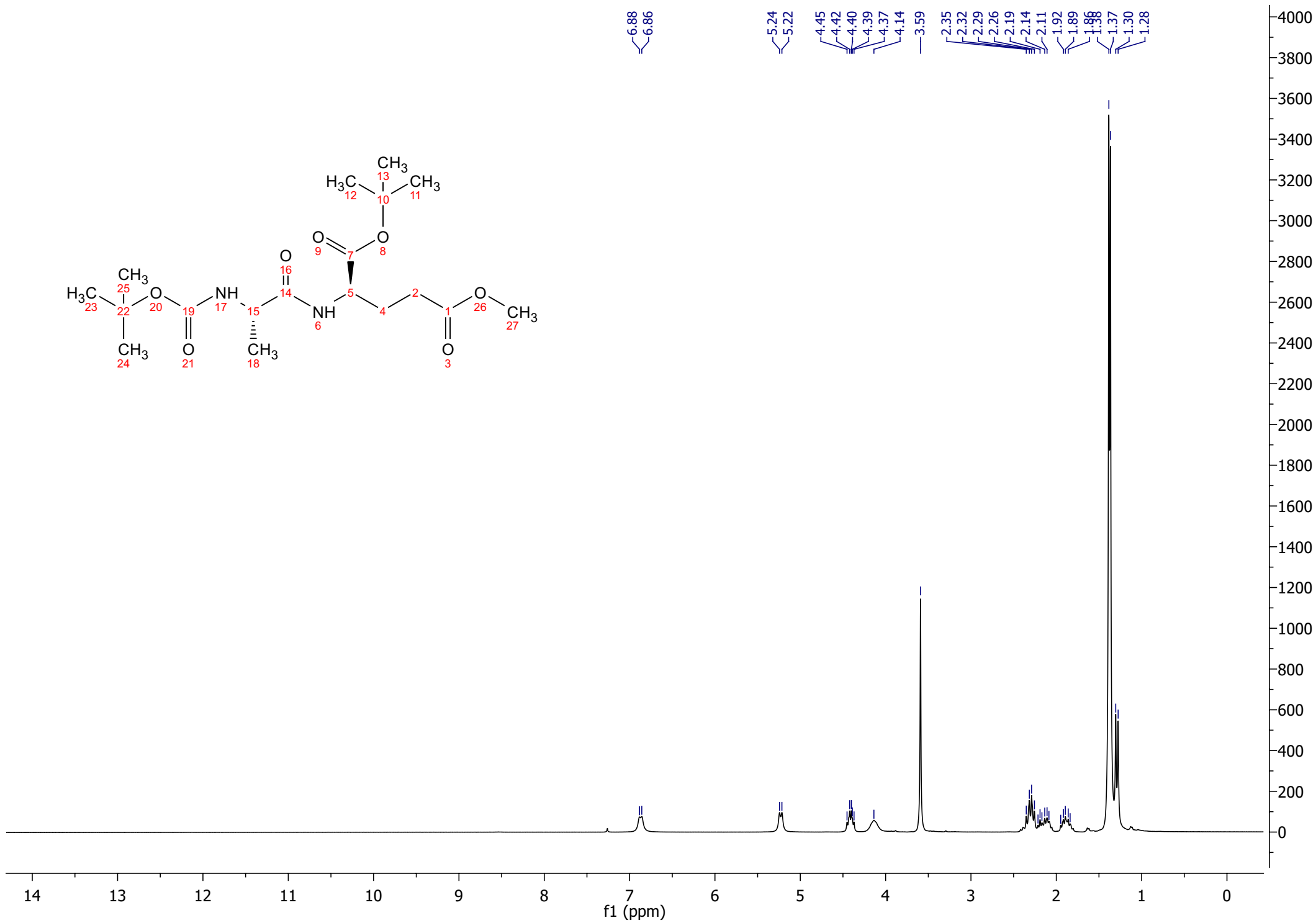
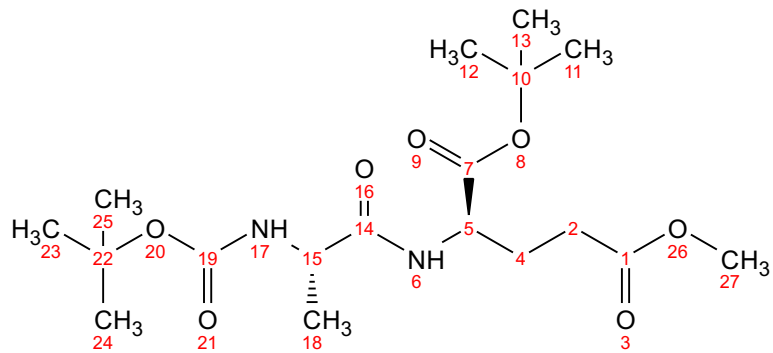


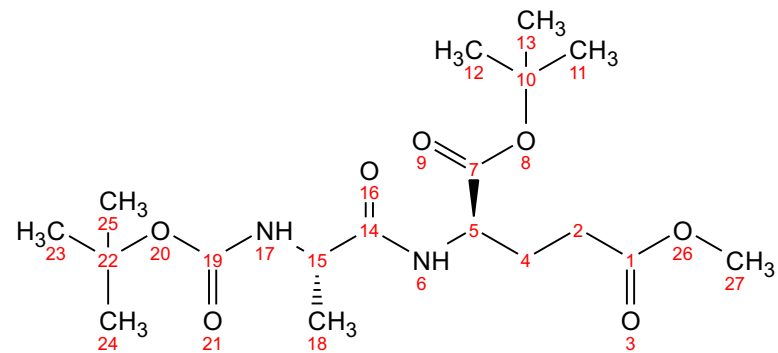
^1H - ^{13}C HSQC (color)
 ^1H - ^{13}C HMBC (grey)











173.15 [1]
172.70 [14]
170.75 [7]

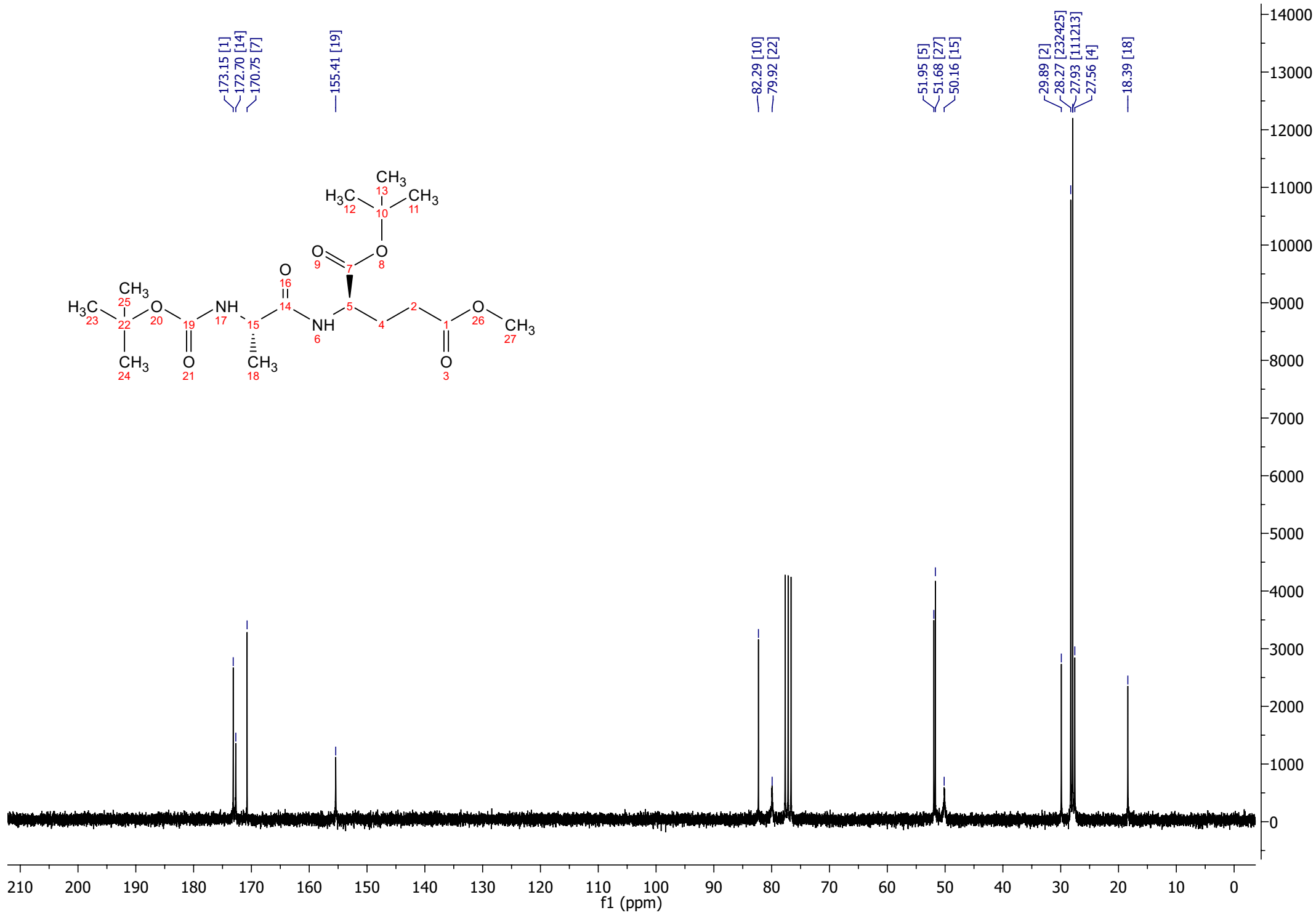
155.41 [19]

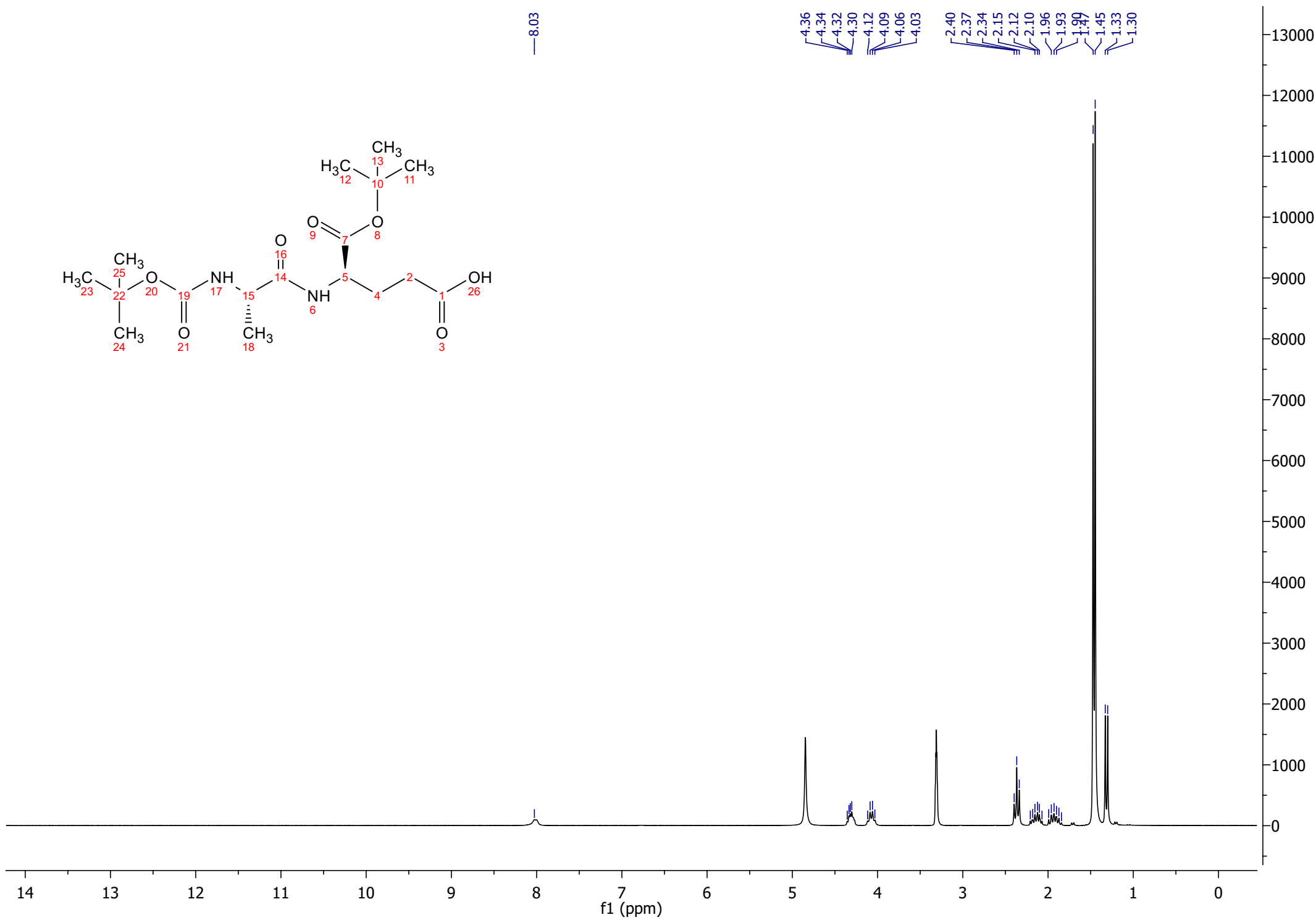
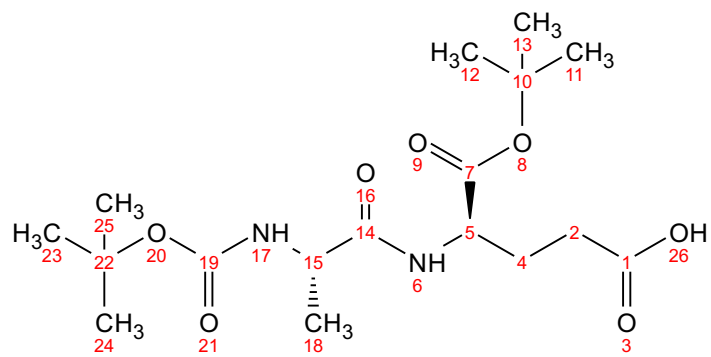
82.29 [10]
79.92 [22]

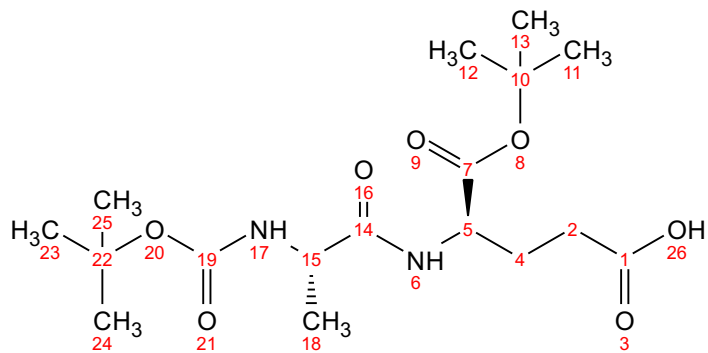
51.95 [5]
51.68 [27]
50.16 [15]

29.89 [2]
28.27 [232425]
27.93 [111213]
27.56 [4]

18.39 [18]







176.05 [1]
175.85 [14]
172.06 [7]

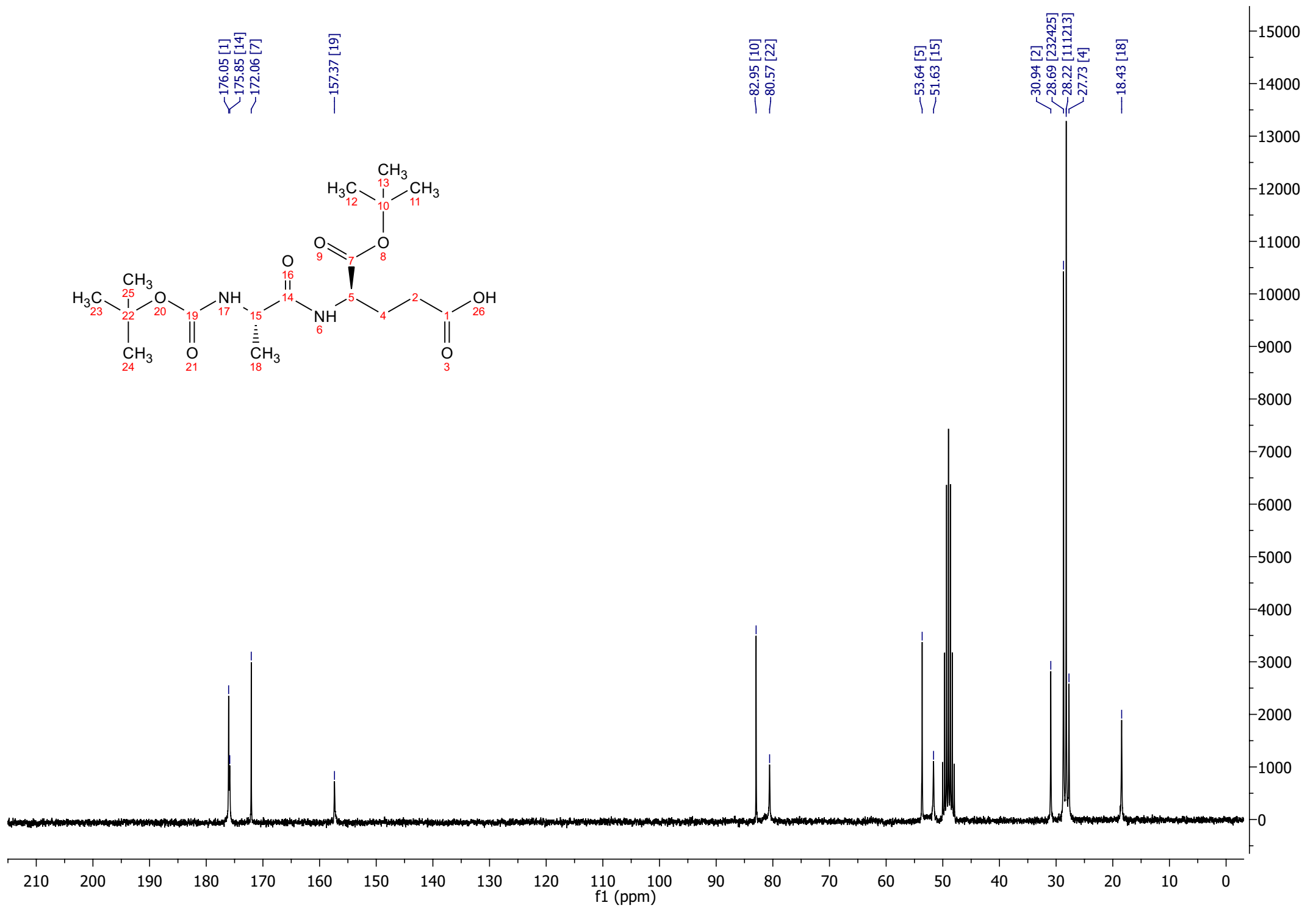
157.37 [19]

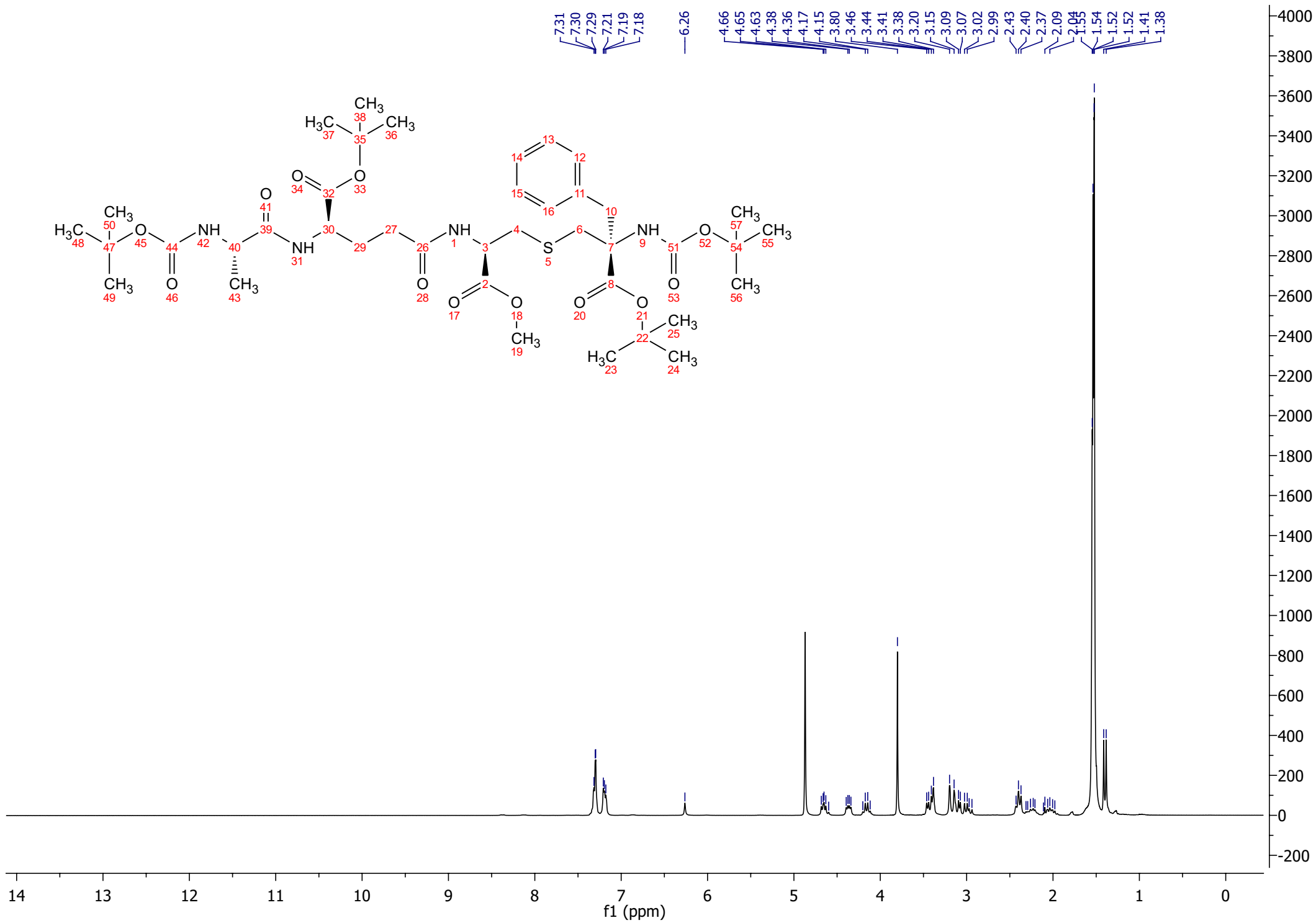
82.95 [10]
80.57 [22]

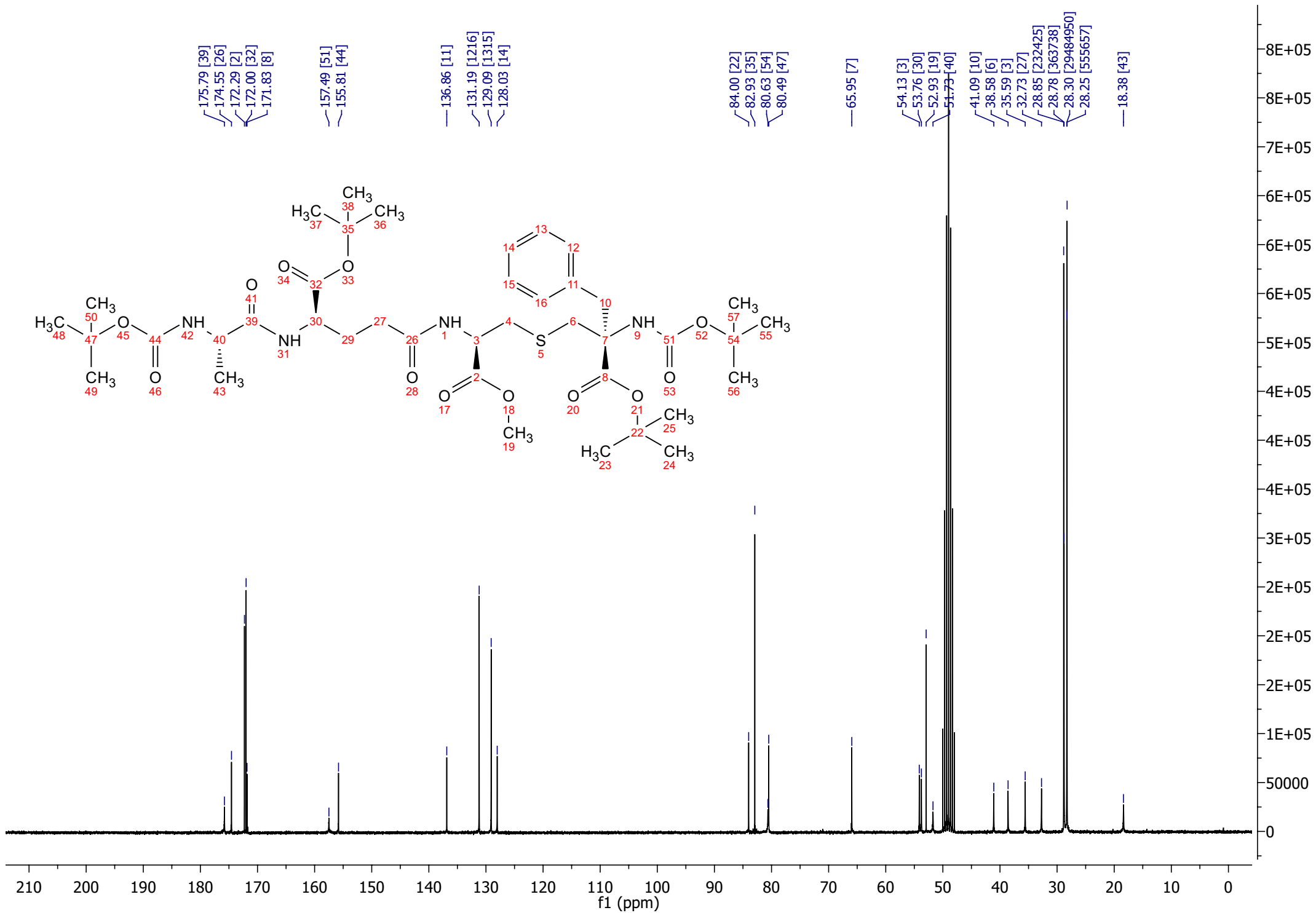
53.64 [5]
51.63 [15]

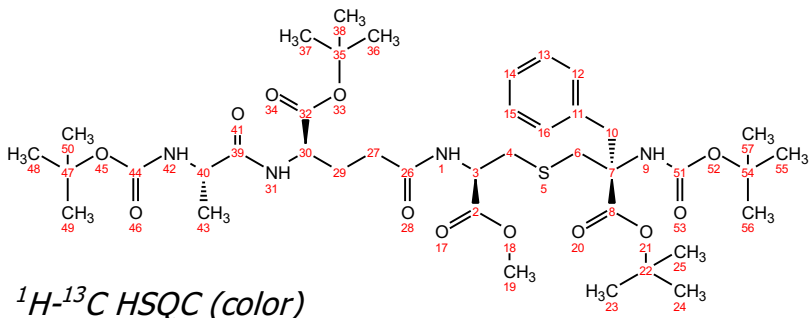
30.94 [2]
28.69 [232425]
28.22 [111213]
27.73 [4]

18.43 [18]

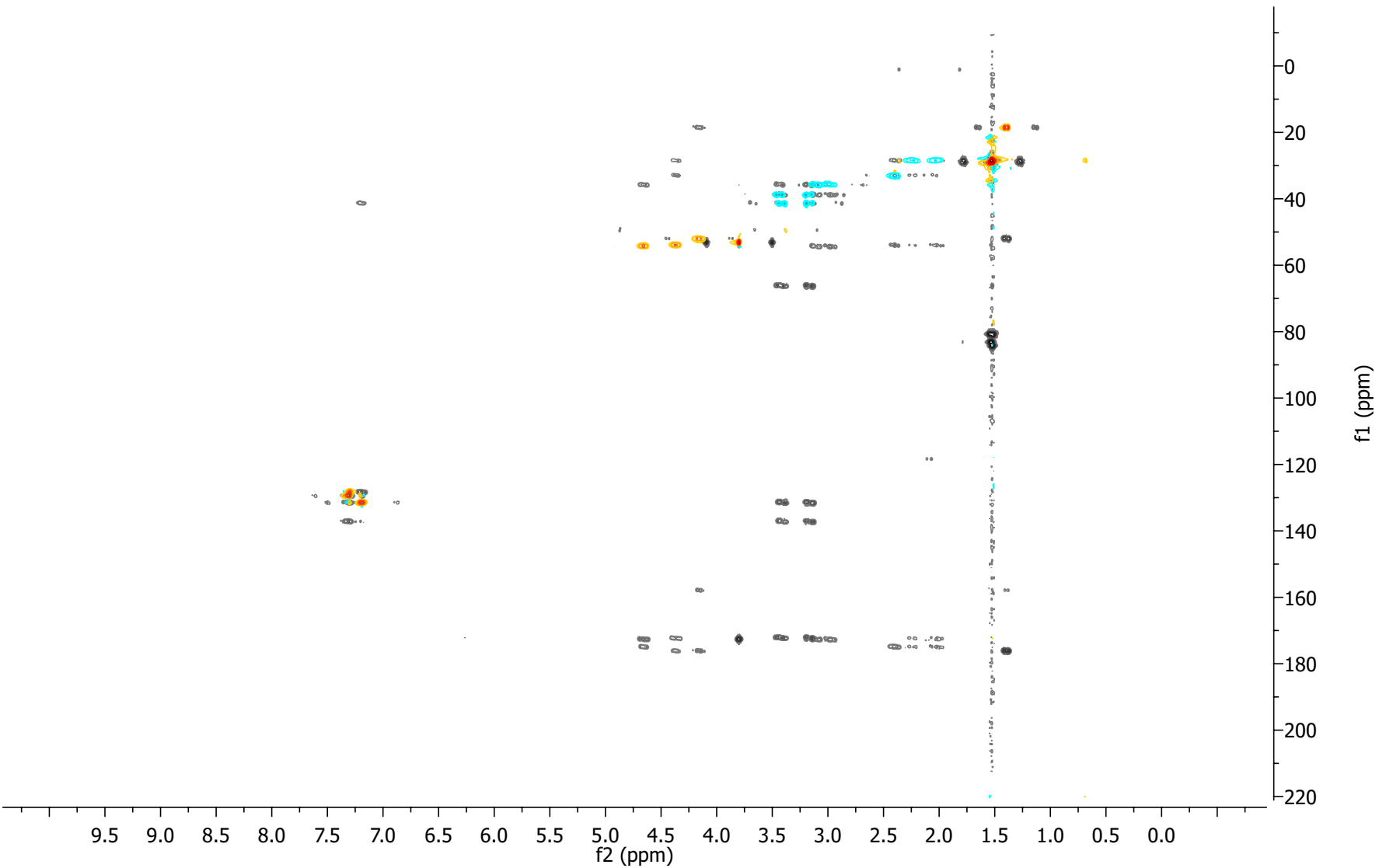
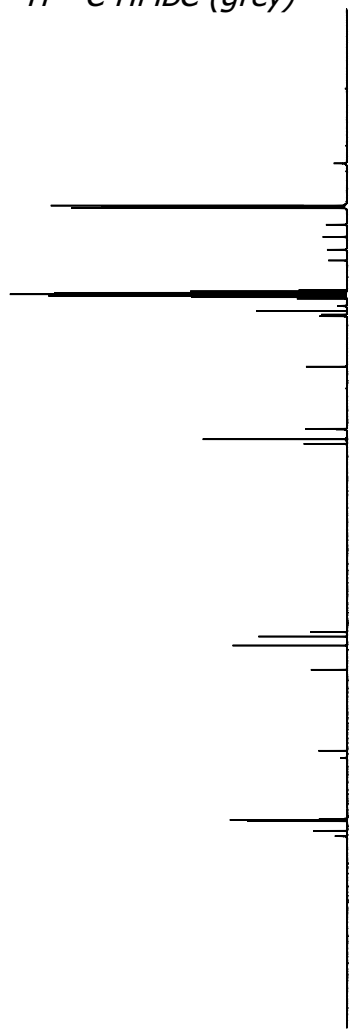
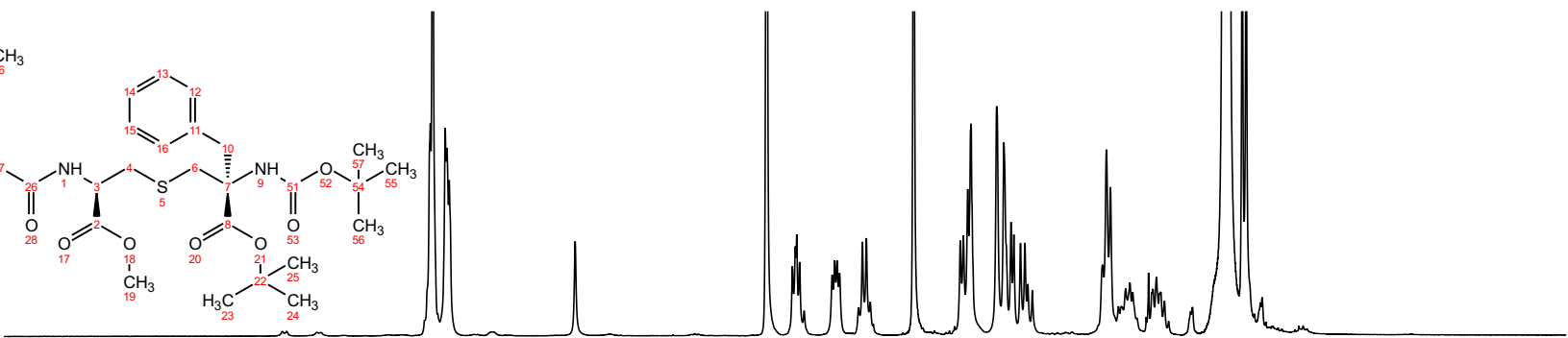


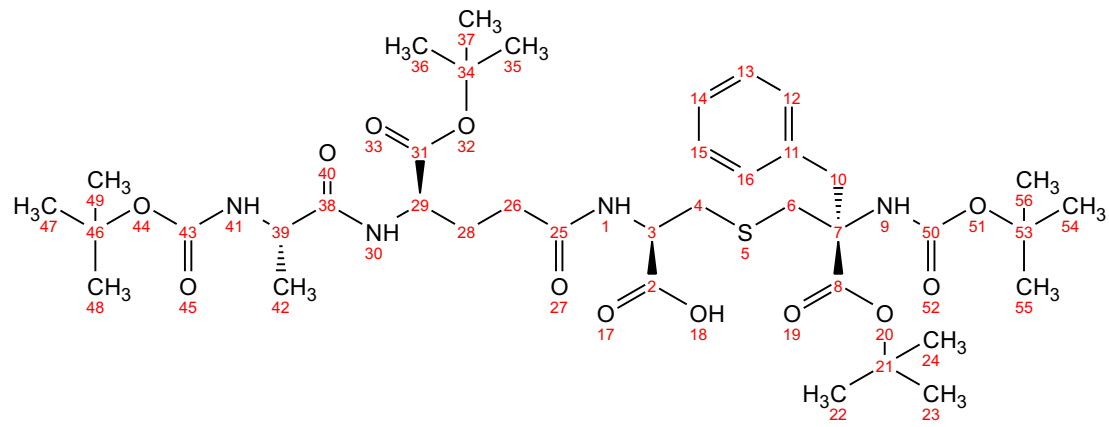






$^1\text{H}-^{13}\text{C}$ HSQC (color)
 $^1\text{H}-^{13}\text{C}$ HMBC (grey)

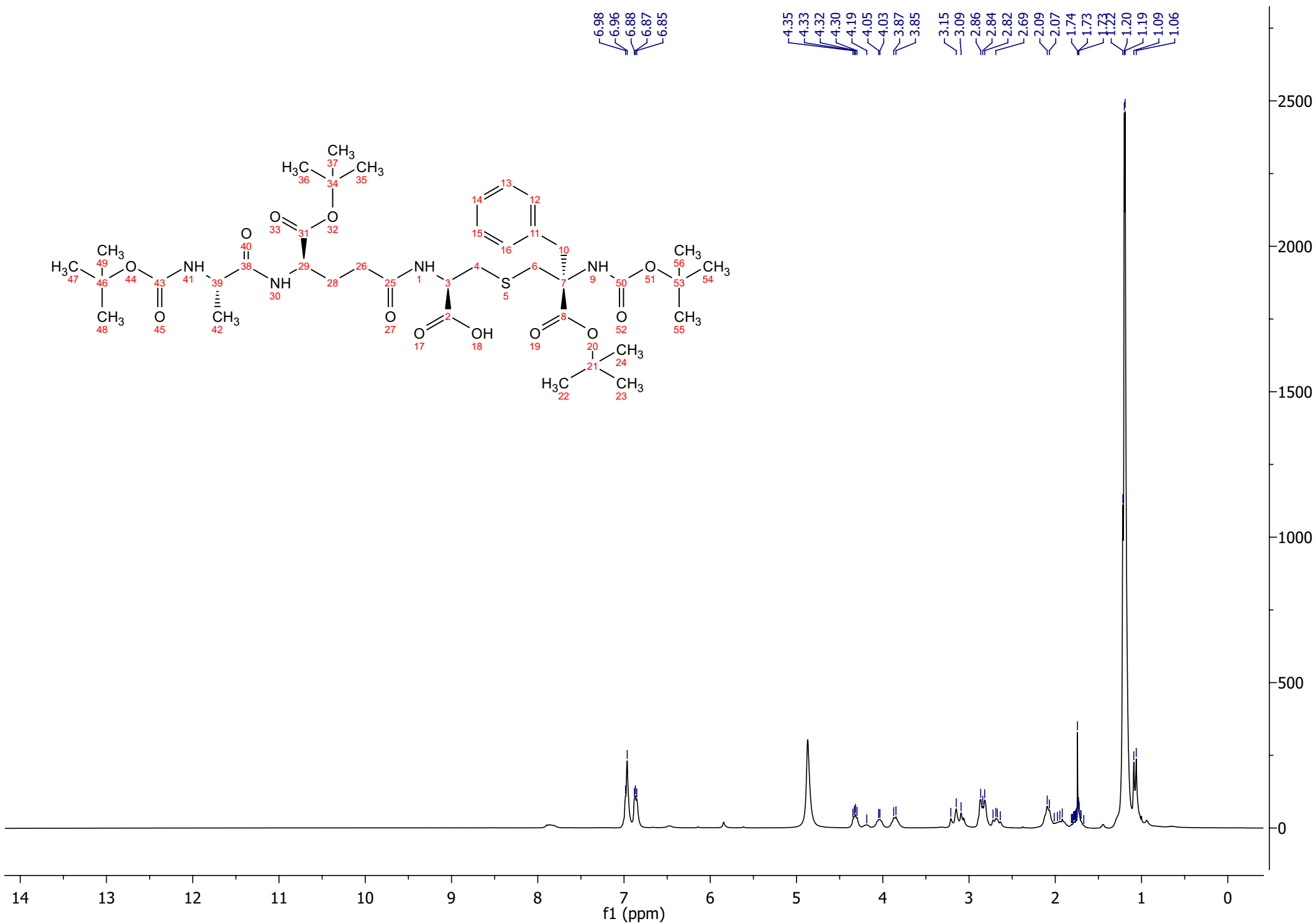




6.98
6.96
6.88
6.87
6.85

4.35
4.33
4.32
4.30
4.19
4.05
4.03
3.87
3.85

3.15
3.09
2.86
2.84
2.82
2.69
2.09
2.07
1.74
1.73
1.72
1.20
1.19
1.09
1.06



14

13

12

11

10

9

8

f1 (ppm)

6

5

4

3

2

1

0

2500

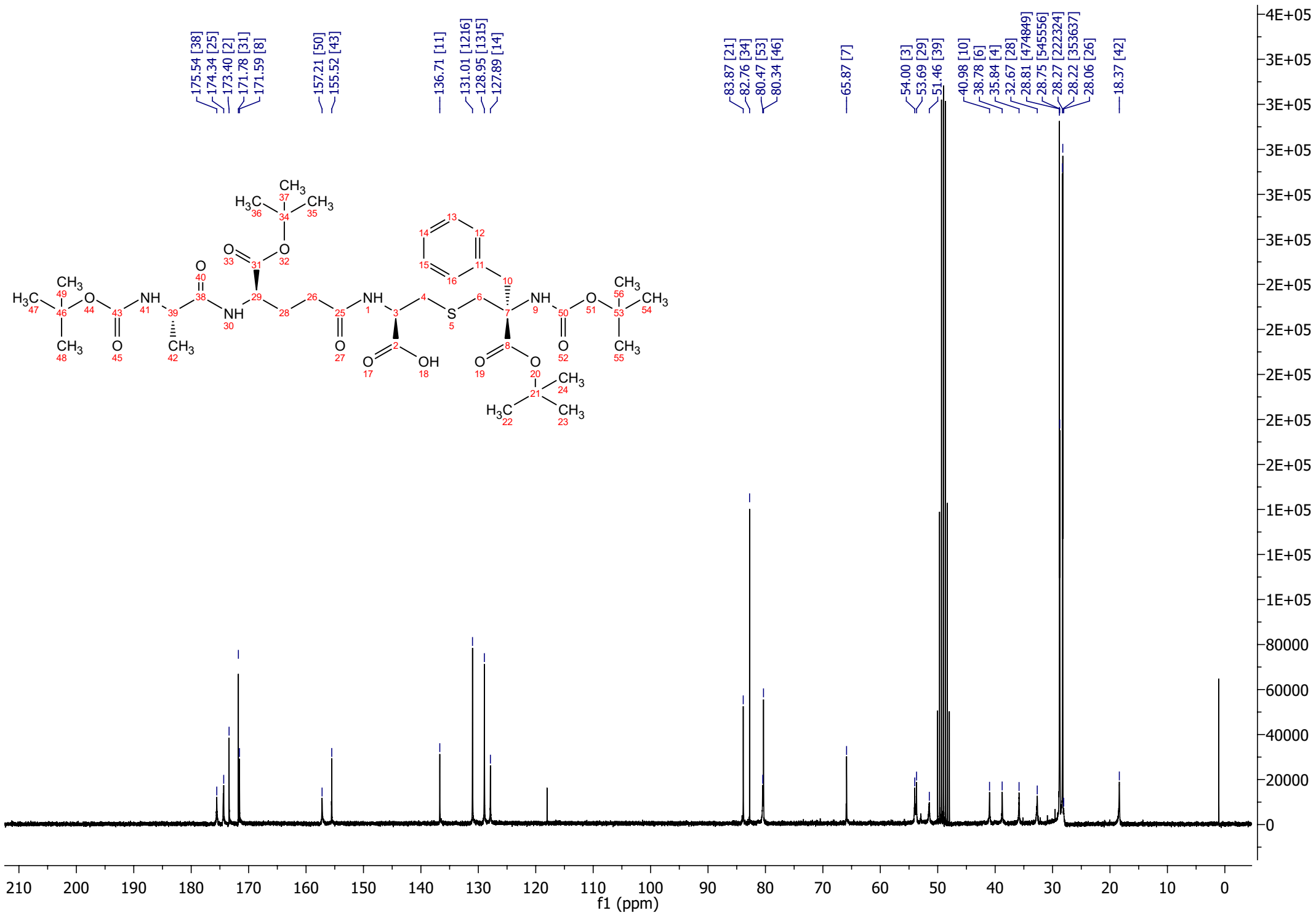
2000

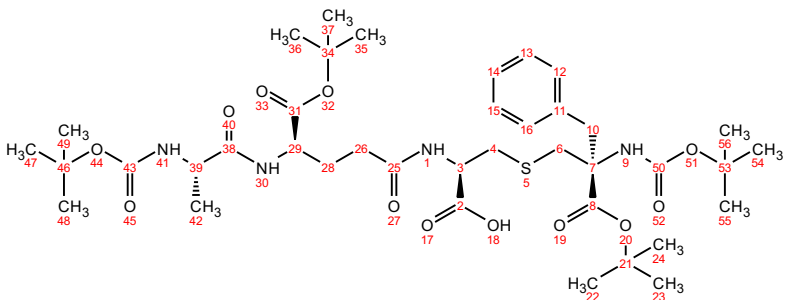
1500

1000

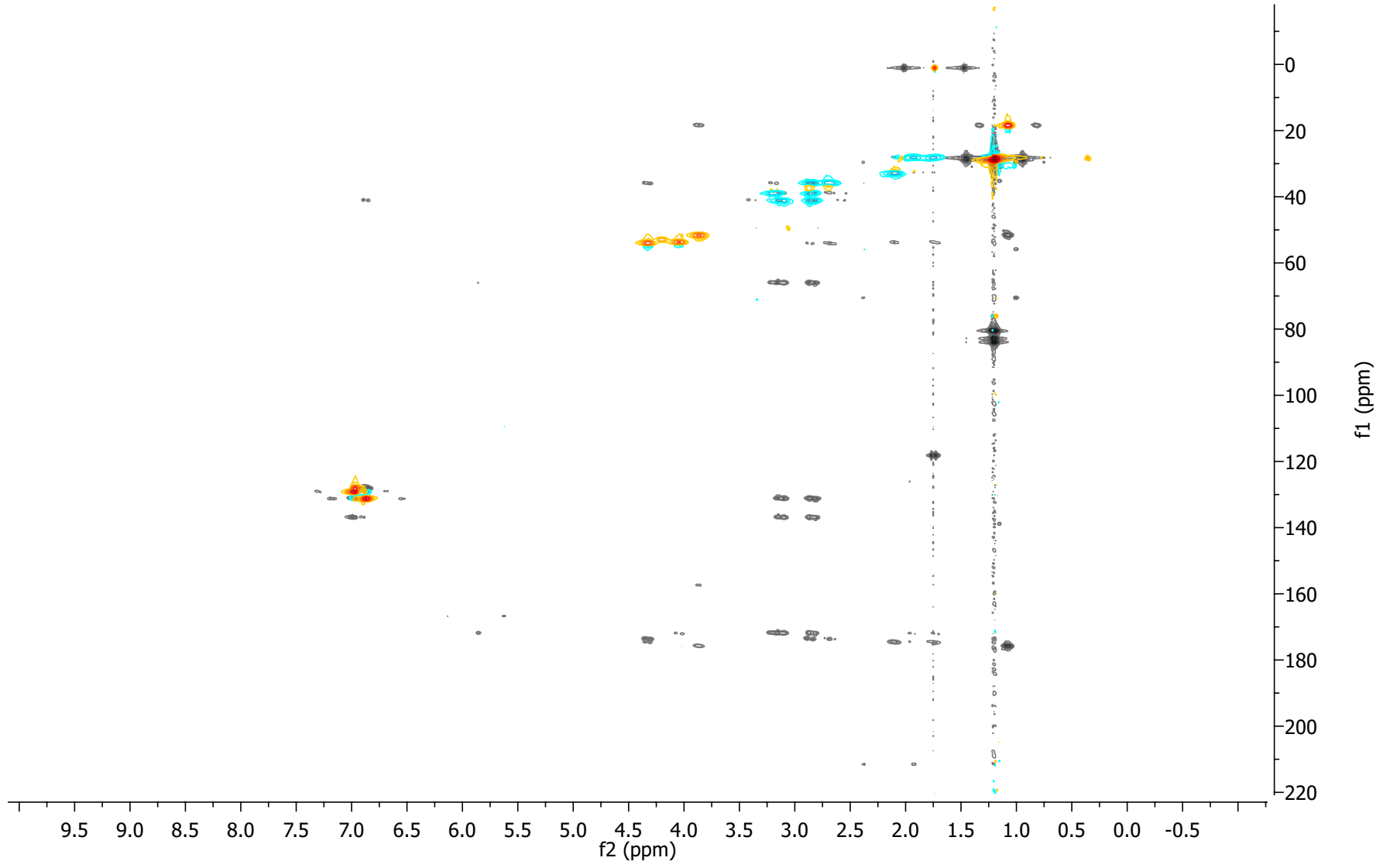
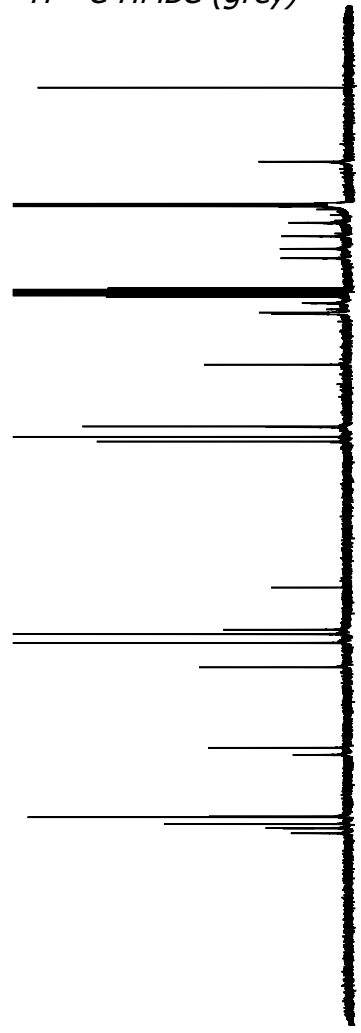
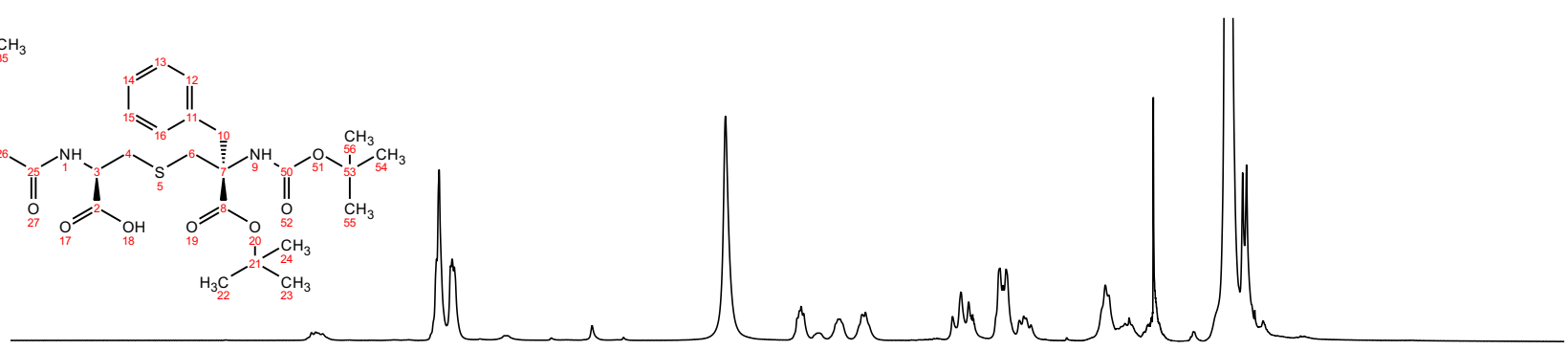
500

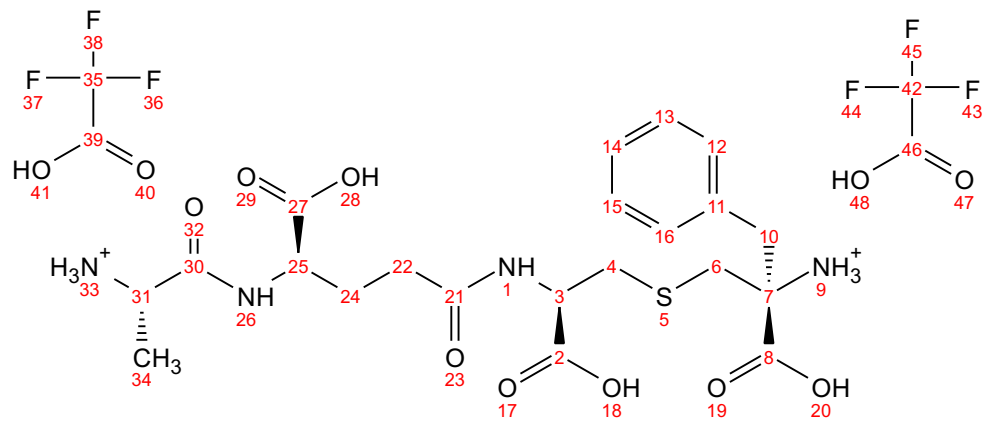
0





¹H-¹³C HSQC (color)
¹H-¹³C HMBC (grey)

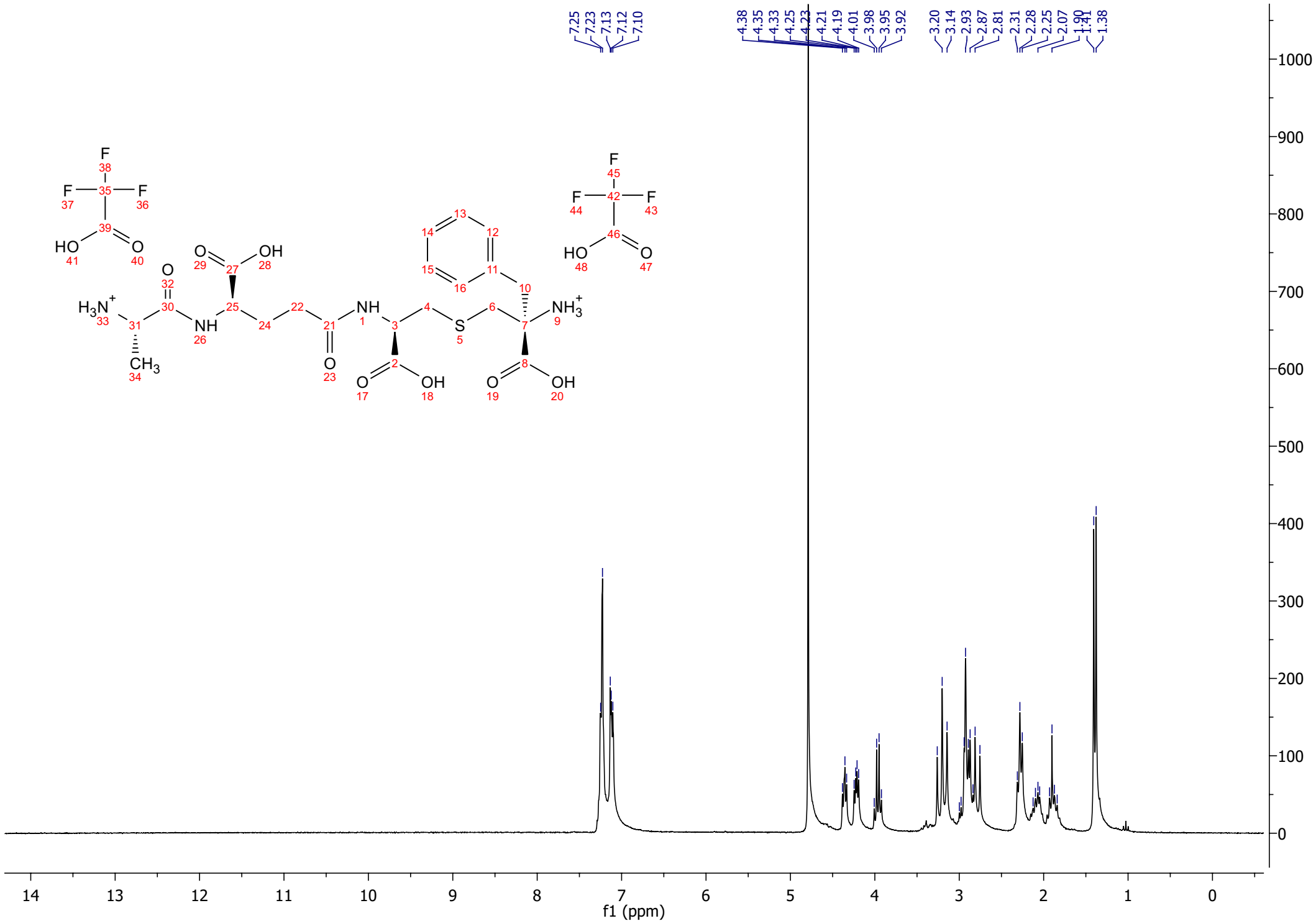


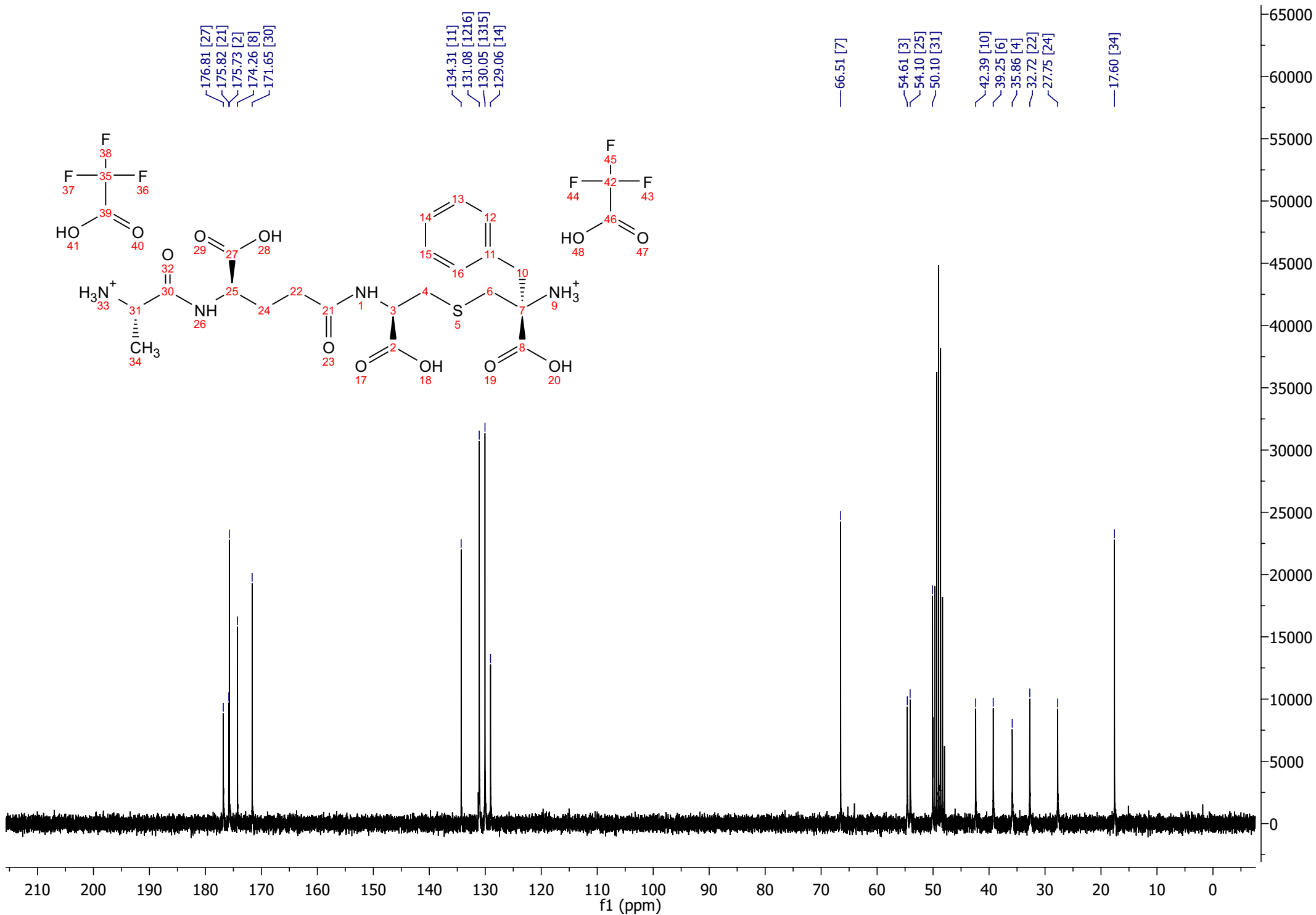


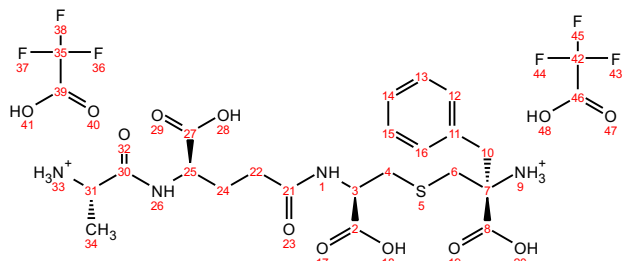
7.25
7.23
7.13
7.12
7.10

4.38
4.35
4.33
4.25
4.23
4.21
4.19
4.01
3.98
3.95
3.92

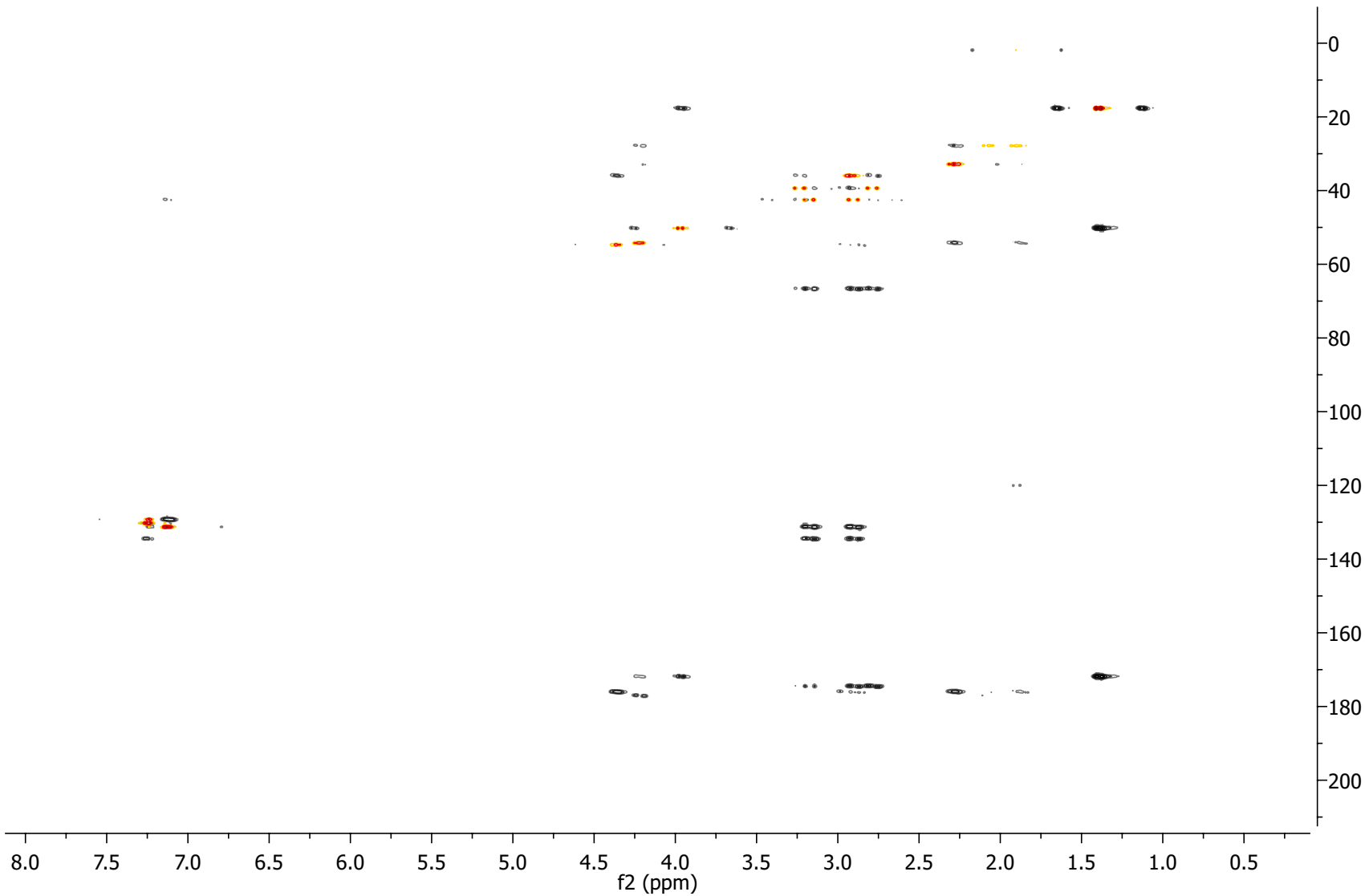
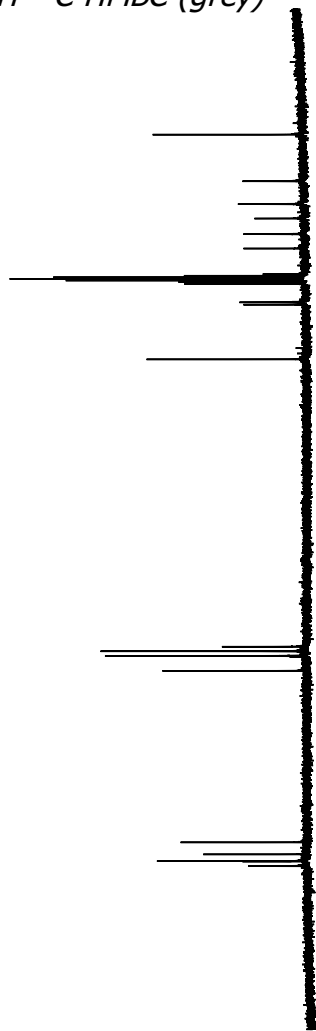
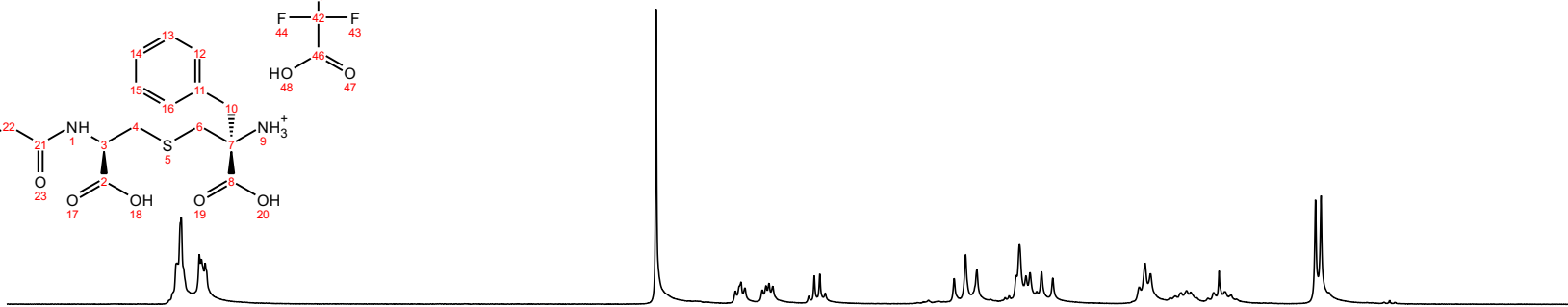
3.20
3.14
2.93
2.87
2.81
2.31
2.28
2.25
2.07
1.90
1.81
1.38





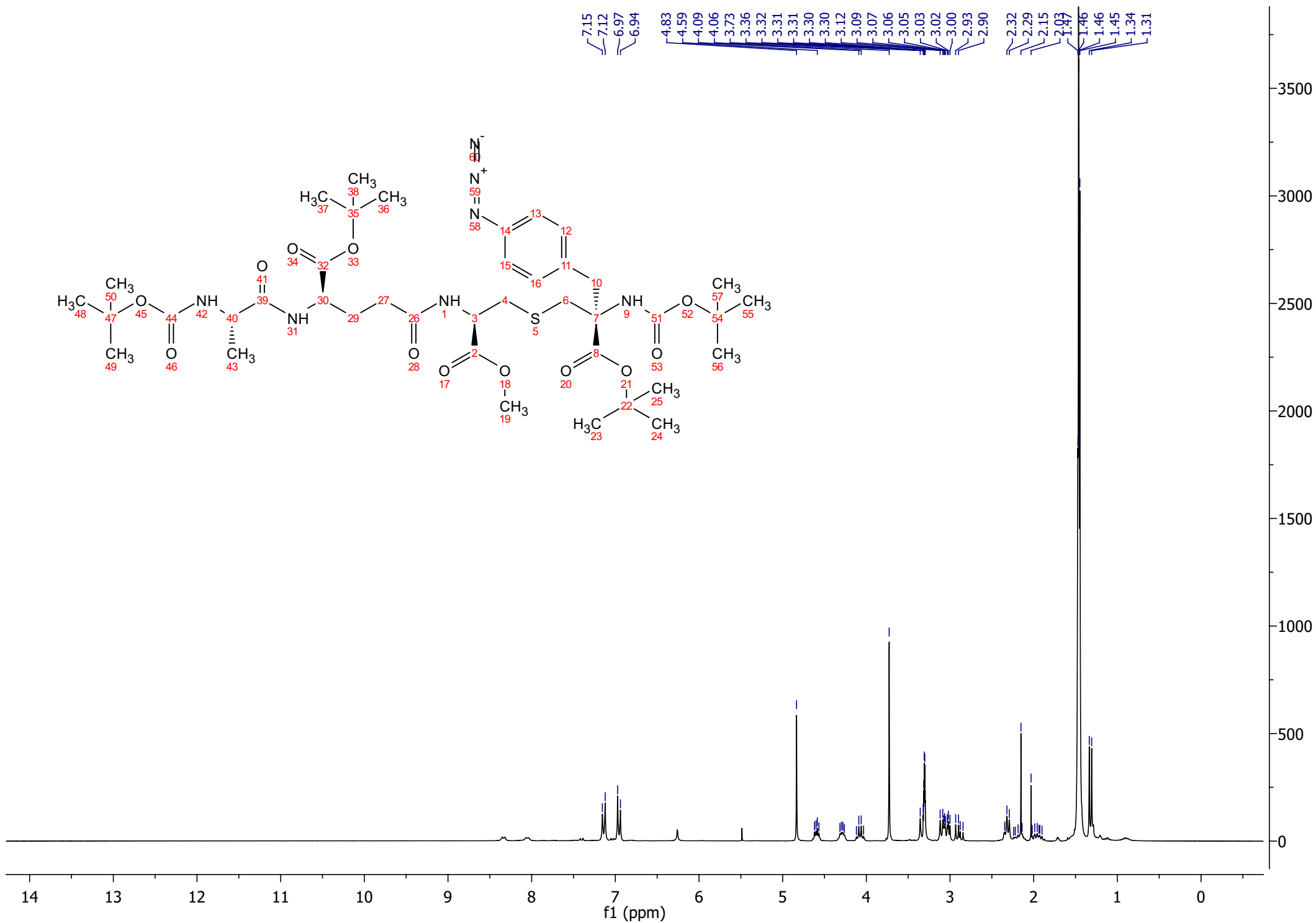


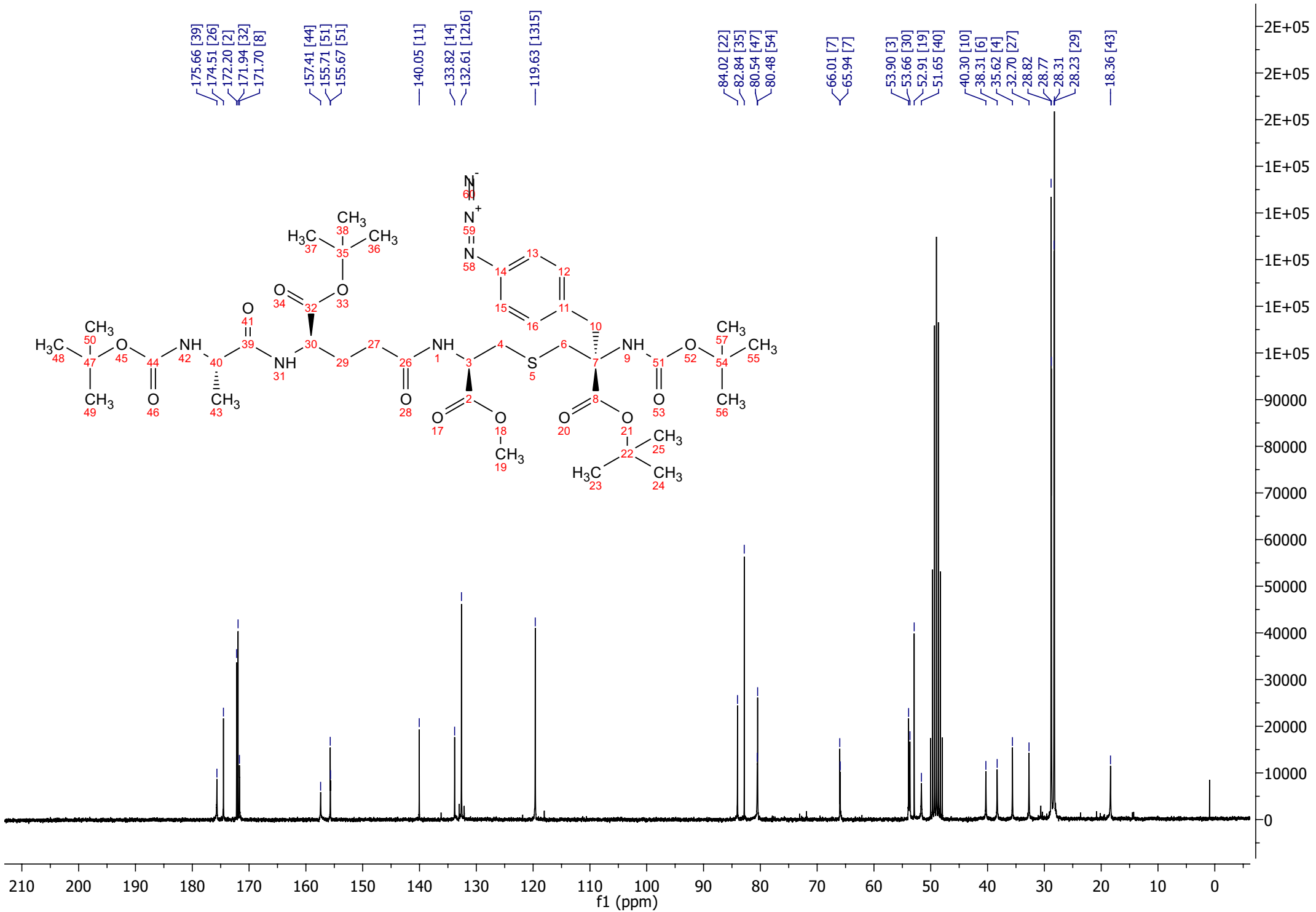
¹H-¹³C HSQC (color)
¹H-¹³C HMBC (grey)

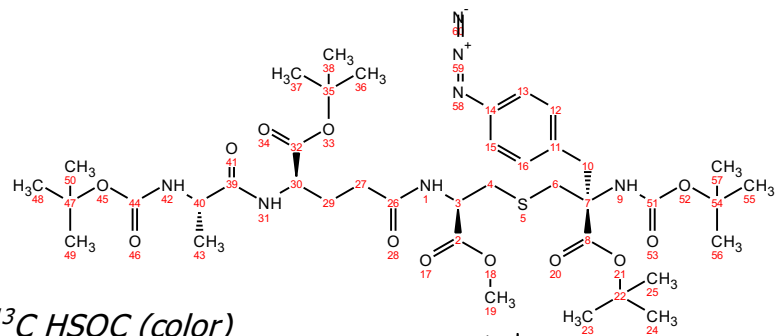


f1 (ppm)

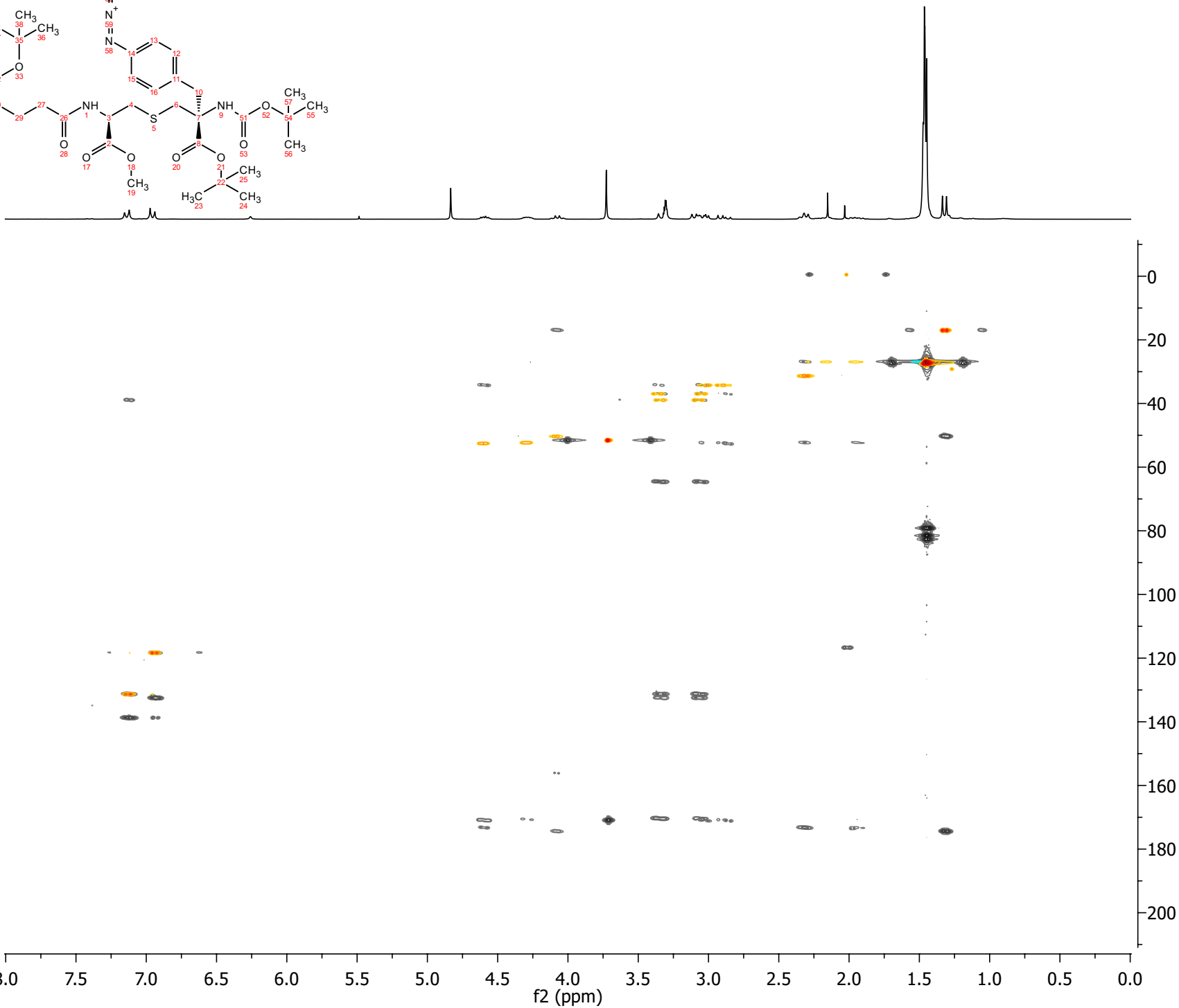
f2 (ppm)

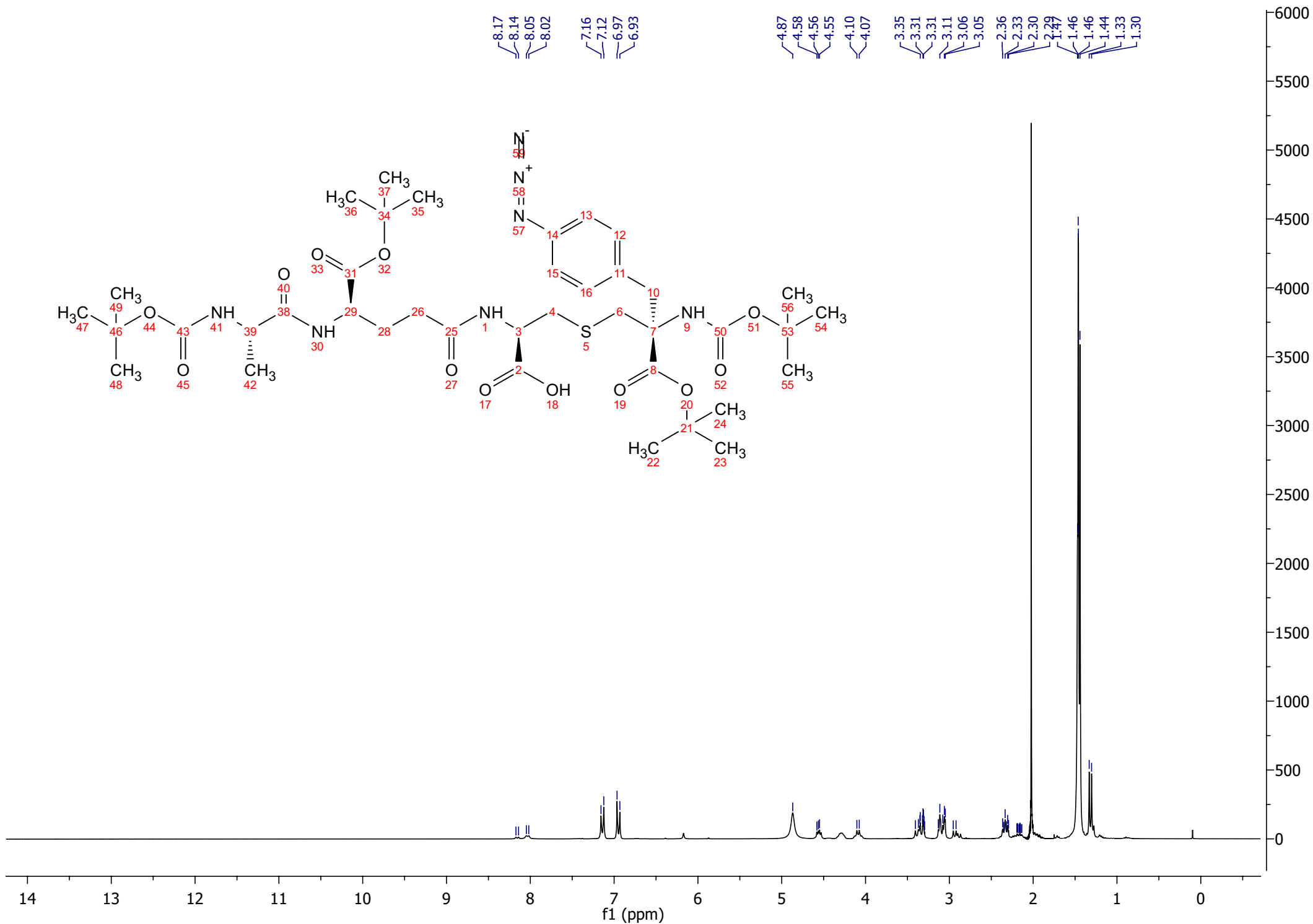


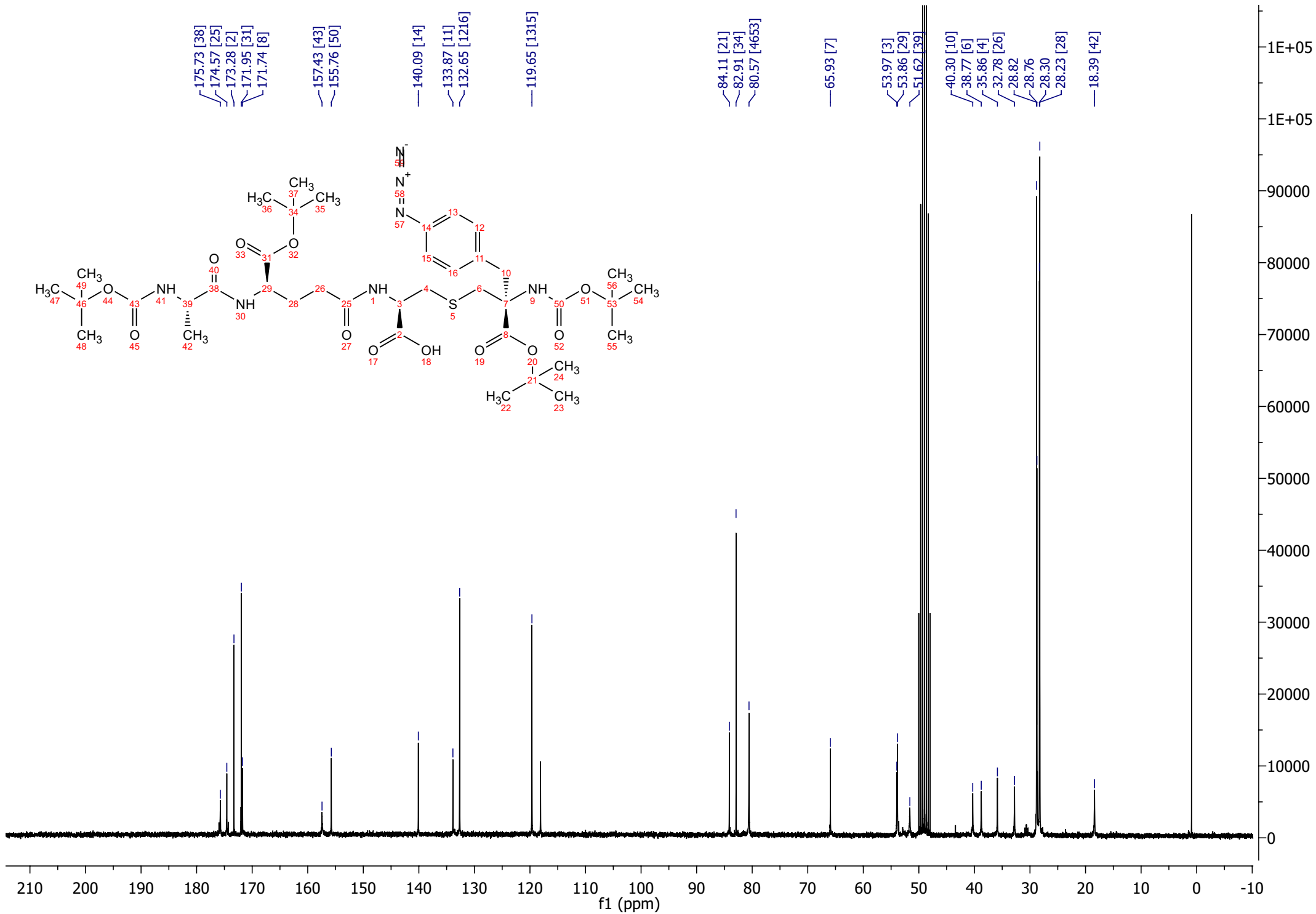


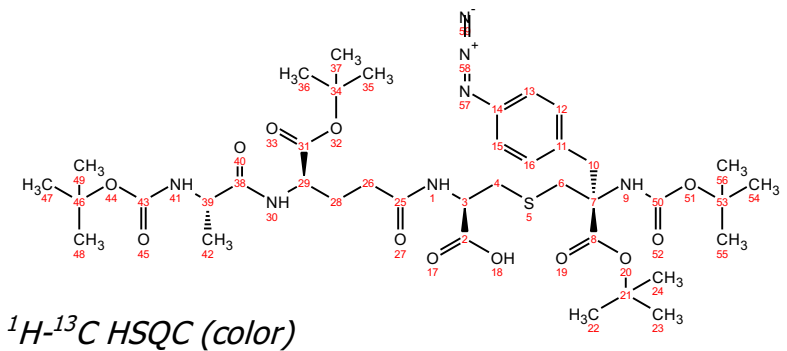


¹H-¹³C HSQC (color)
¹H-¹³C HMBC (grey)

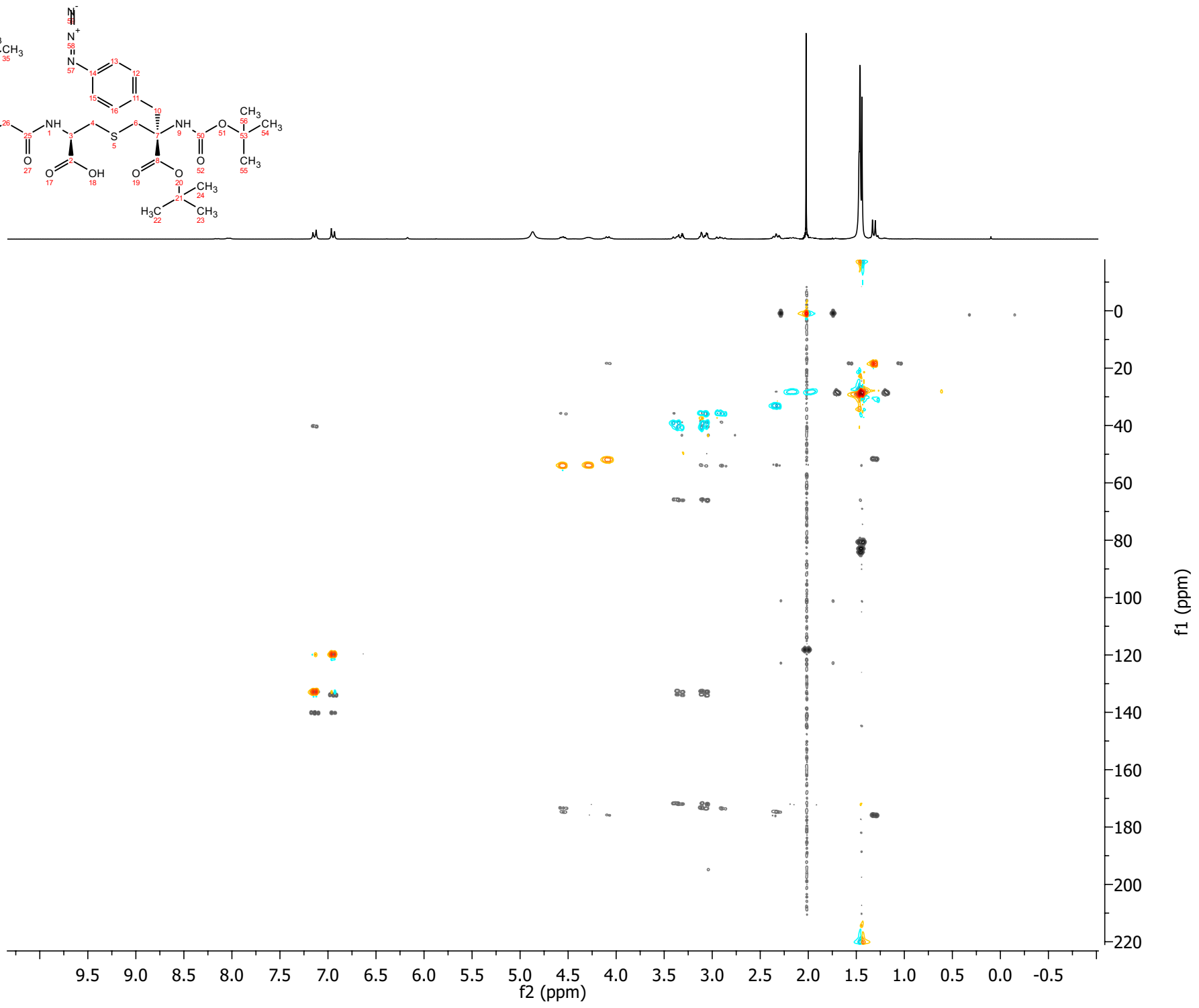


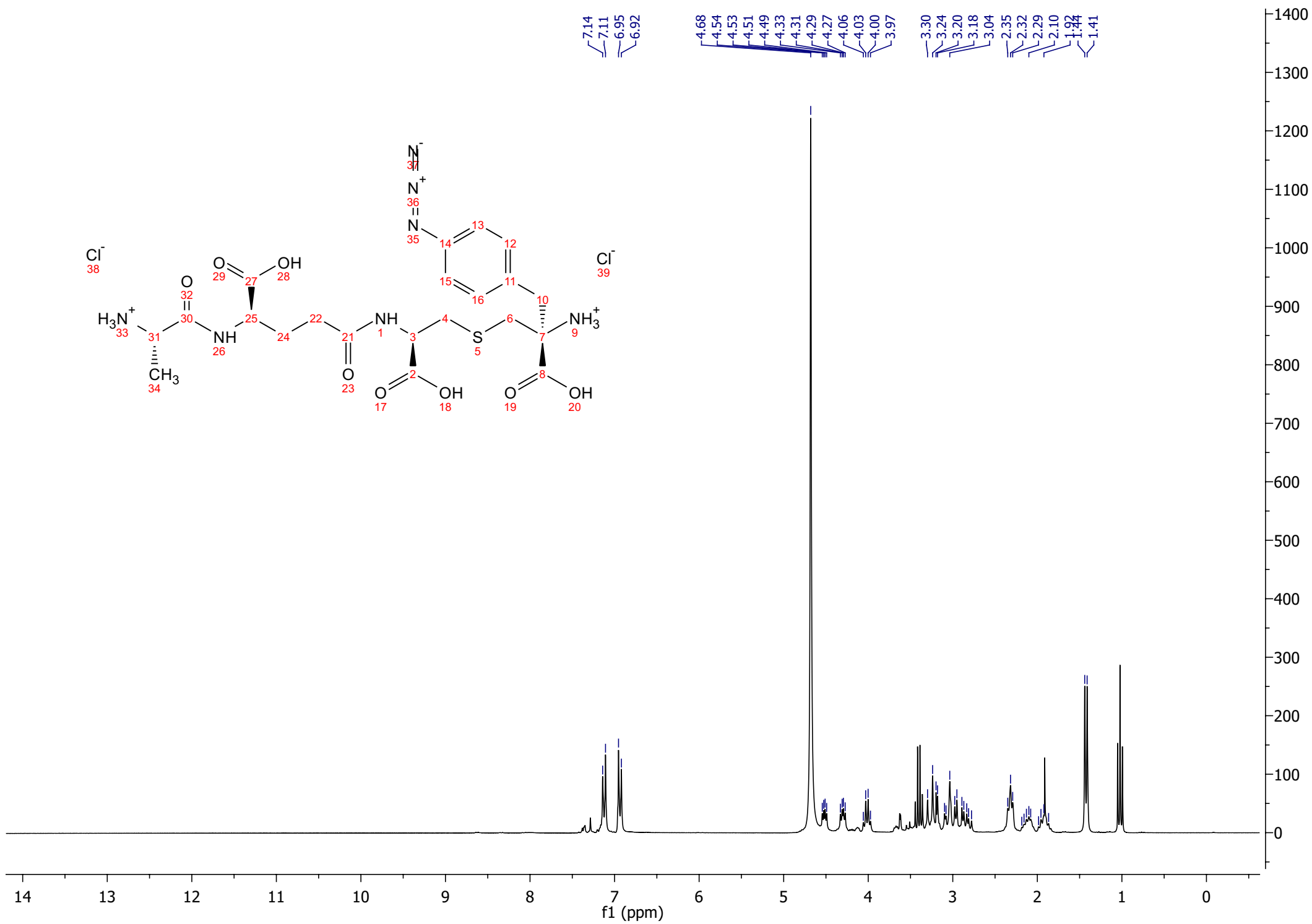


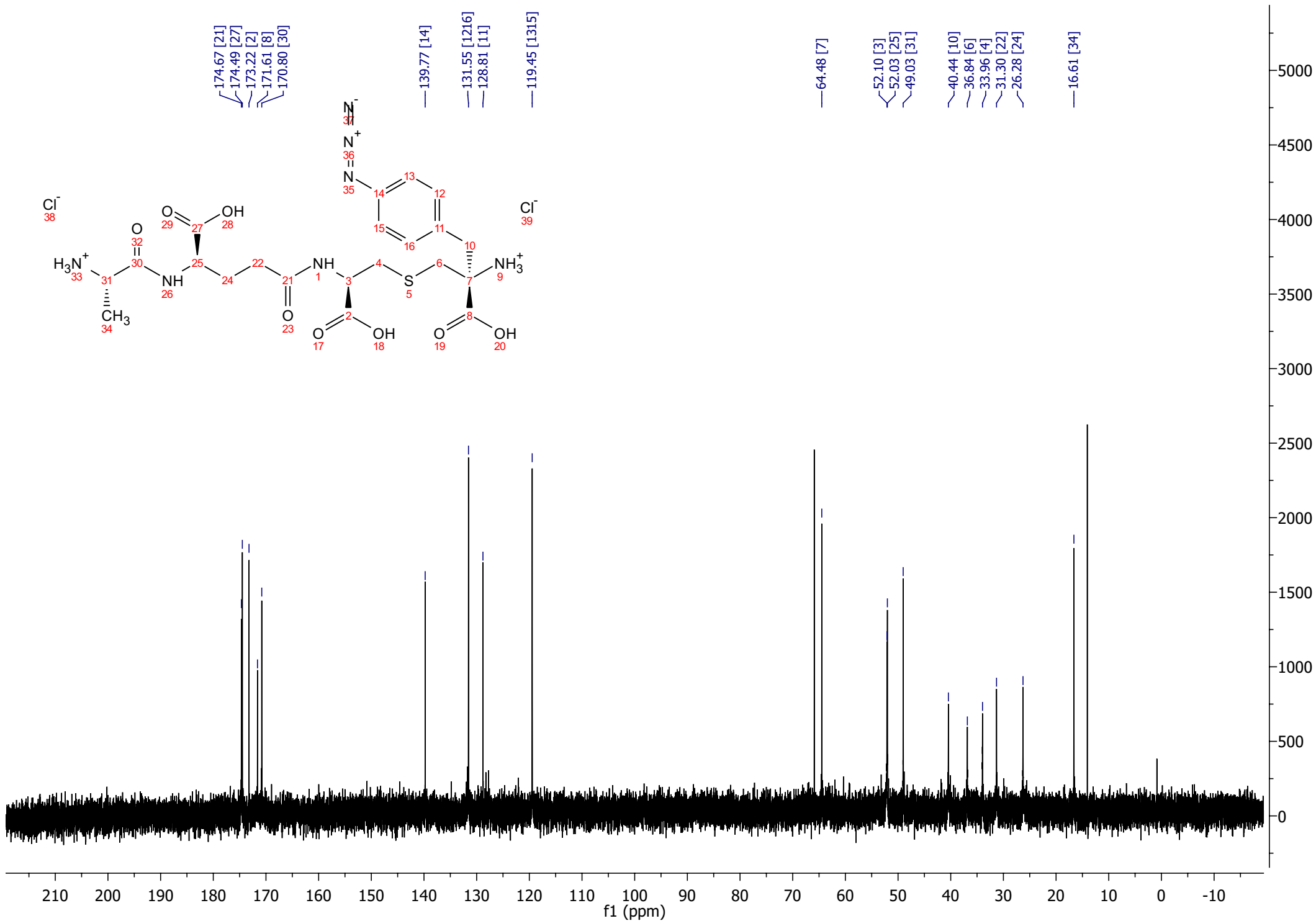


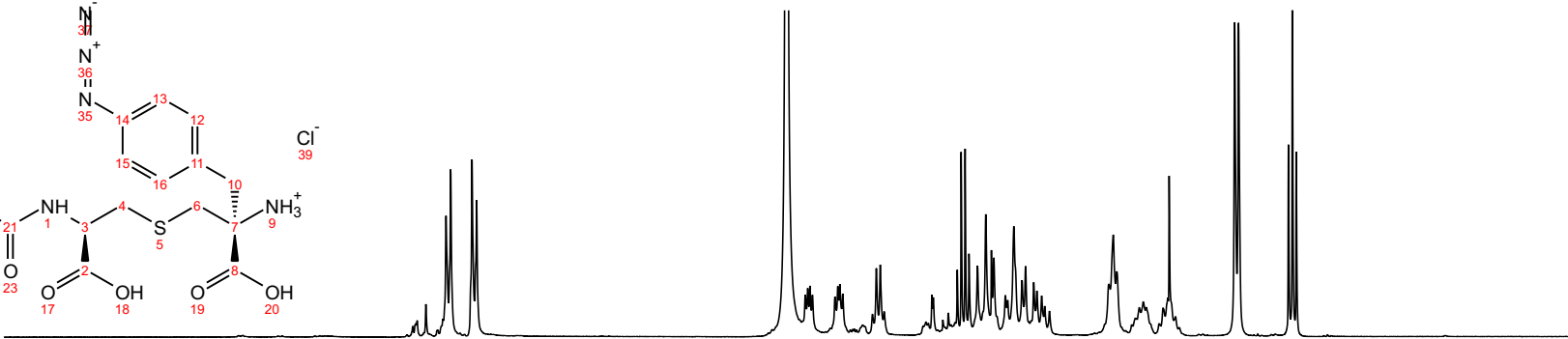
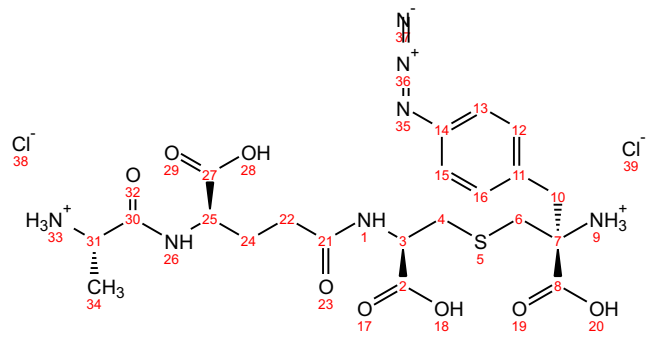


¹H-¹³C HSQC (color)
¹H-¹³C HMBC (grey)









^1H - ^{13}C HSQC (color)

^1H - ^{13}C HMBC (grey)

