

SUPPORTING INFORMATION

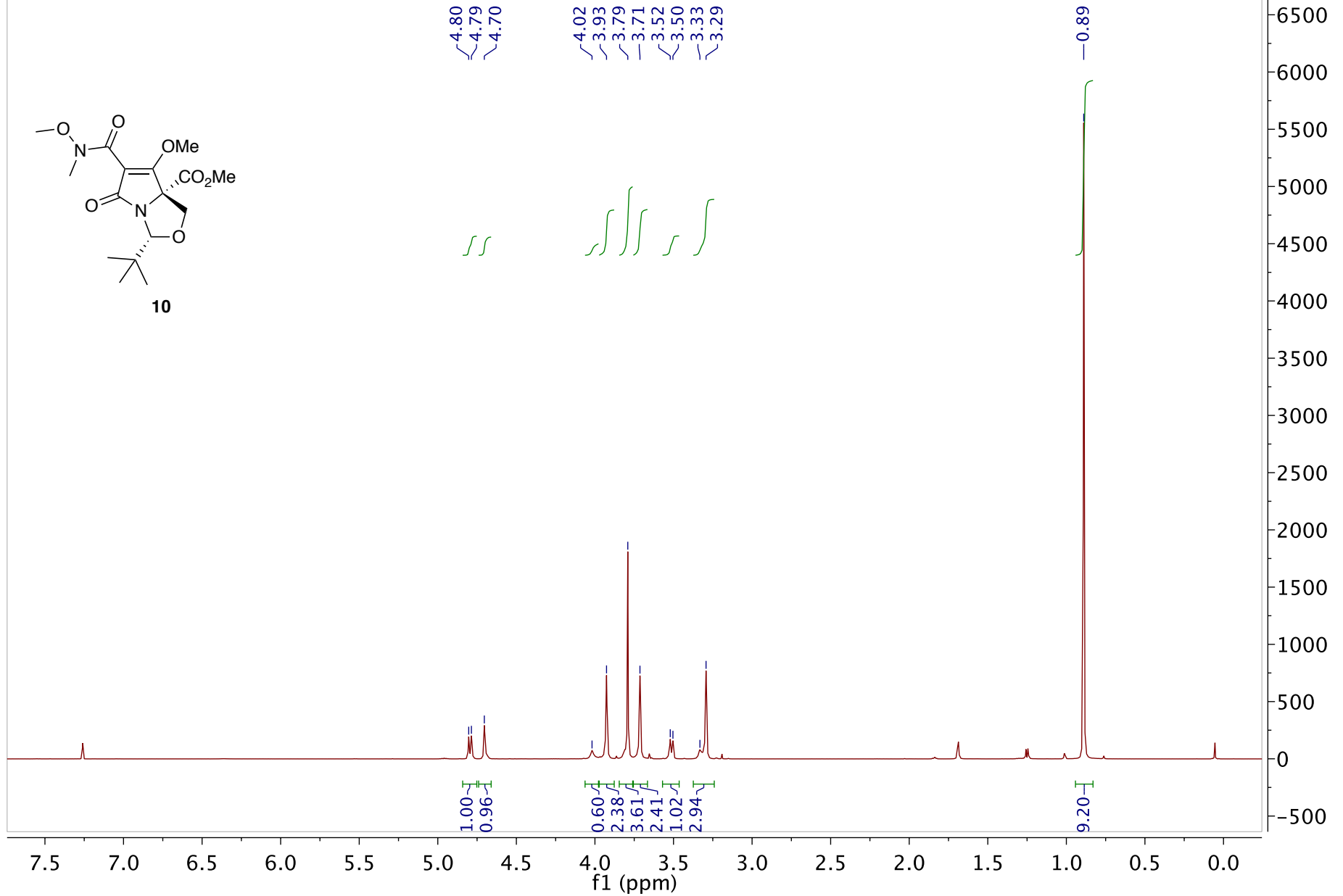
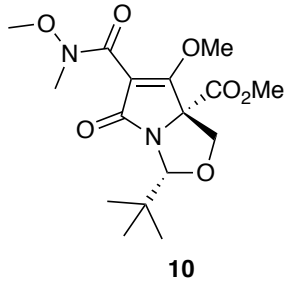
Diastereoselective reduction of the tricarbonyl moiety in bicyclic tetramates giving pyroglutamates

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Moloney**

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¹H NMR (500 MHz, CDCl₃)



¹³C NMR (125 MHz, CDCl₃)

174.9
169.7
168.3
163.0

105.0

97.3

74.4

69.5

61.9

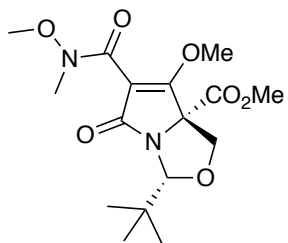
60.2

53.4

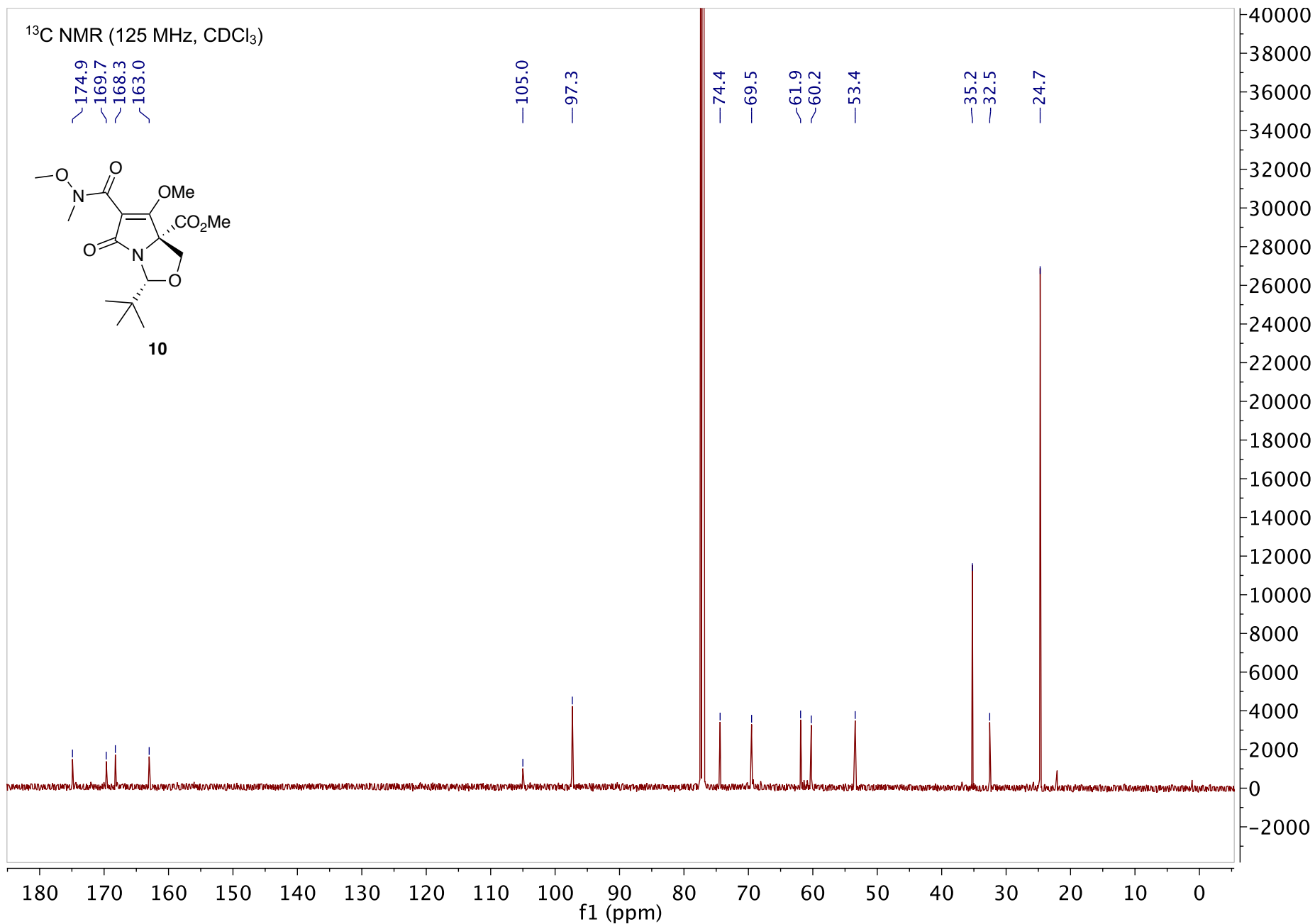
35.2

32.5

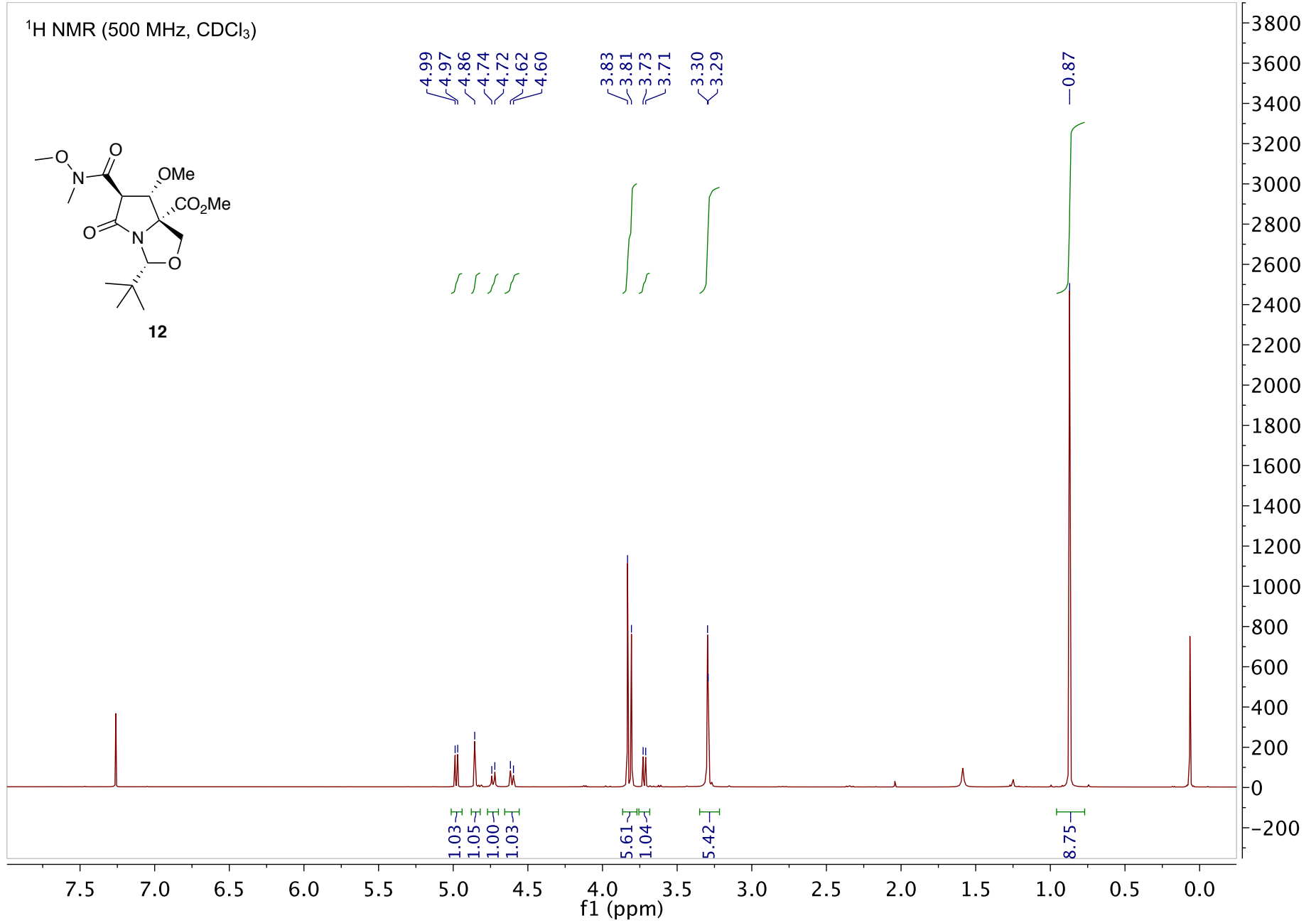
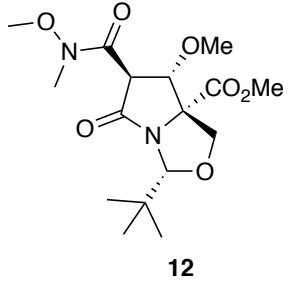
24.7



10

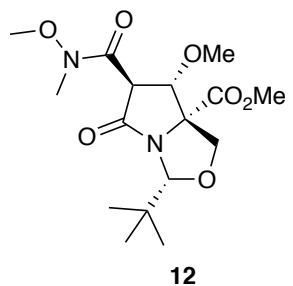


¹H NMR (500 MHz, CDCl₃)



¹³C NMR (125 MHz, CDCl₃)

170.4
170.1
167.5



96.2

84.5

74.7

73.7

62.1

59.1

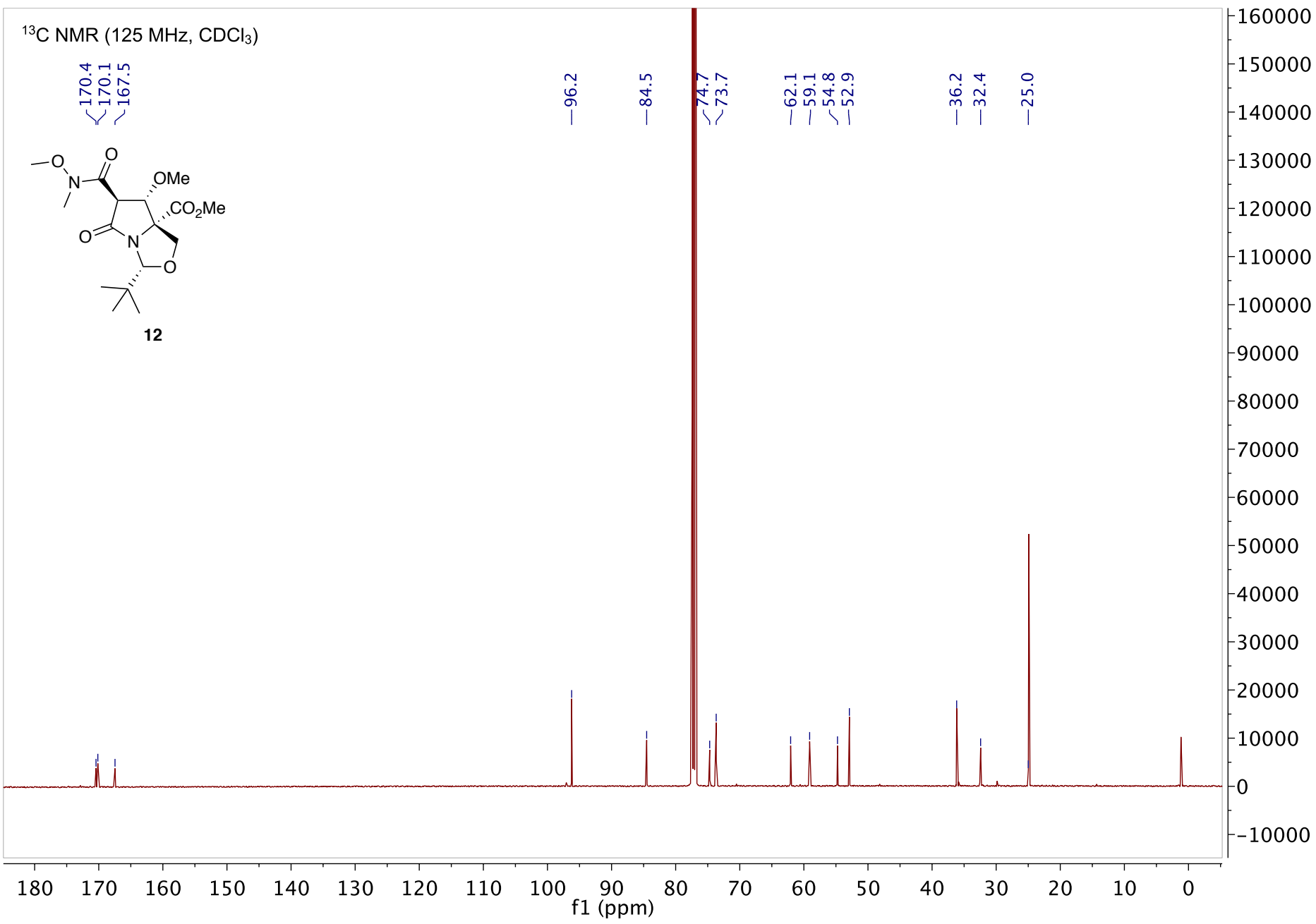
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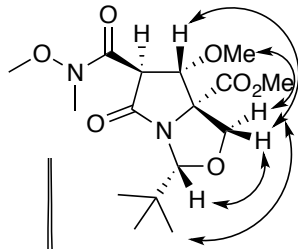
52.9

36.2

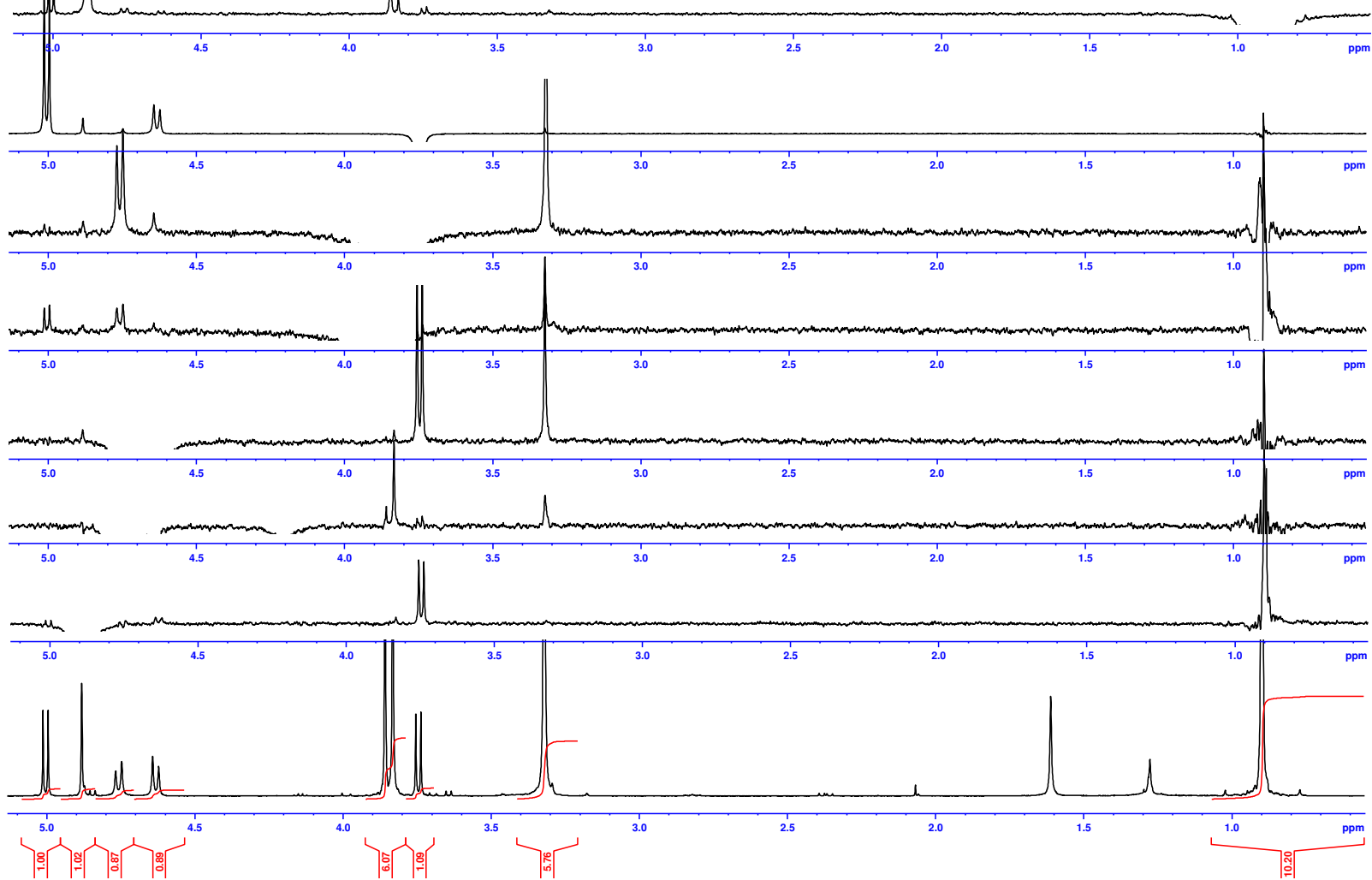
32.4

25.0

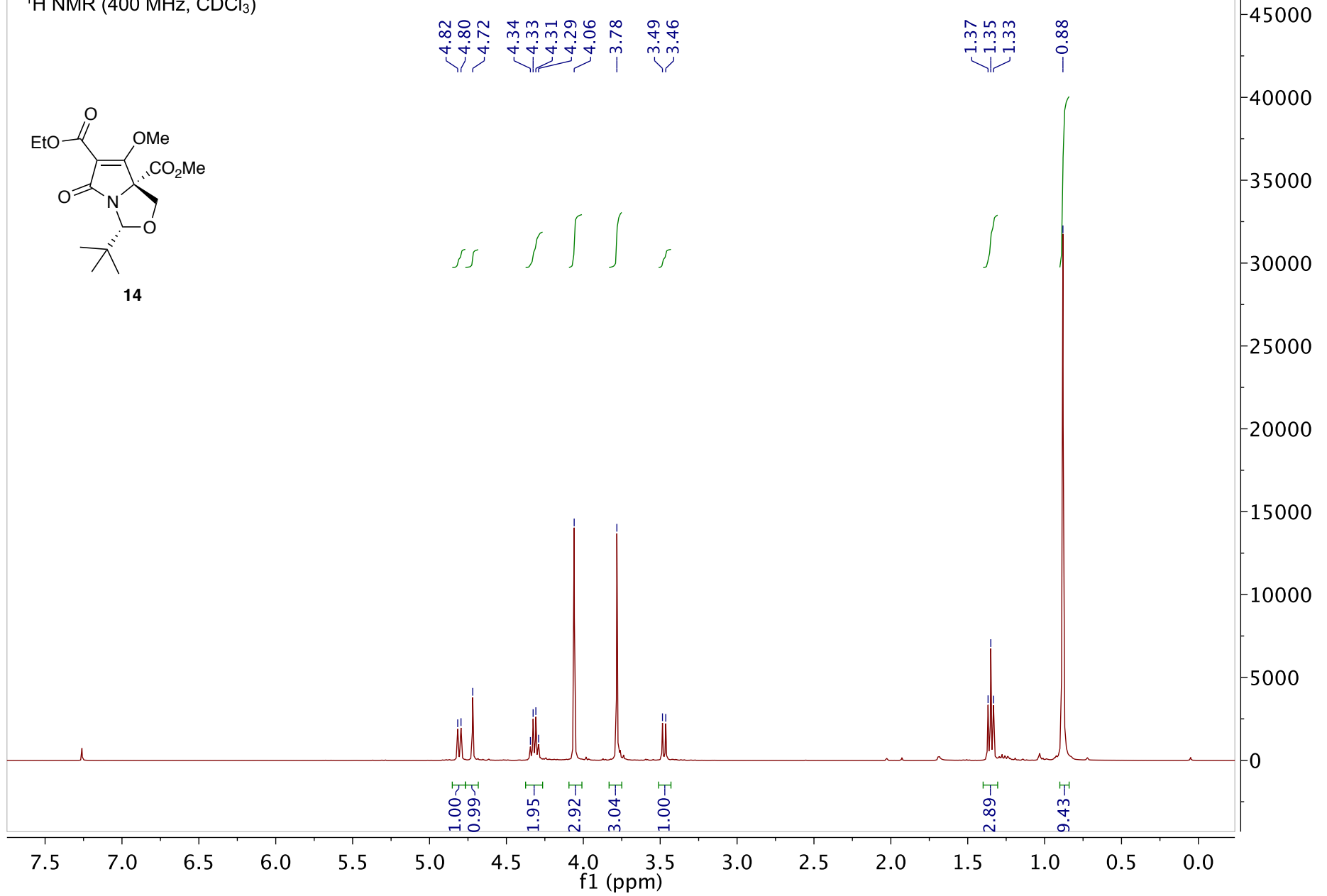
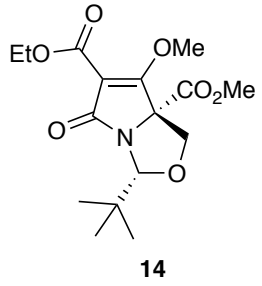




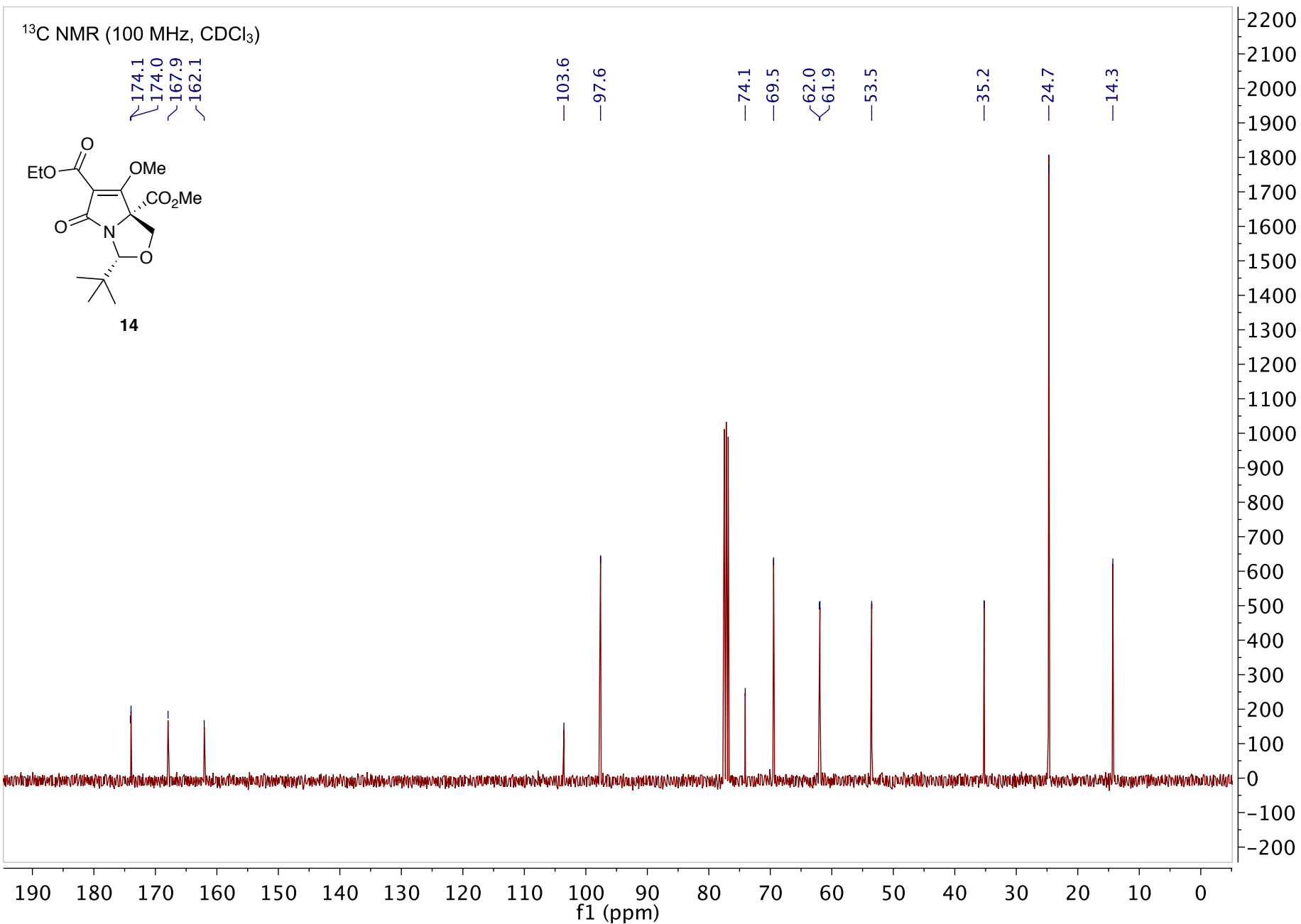
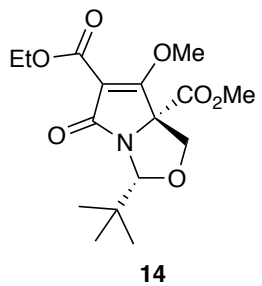
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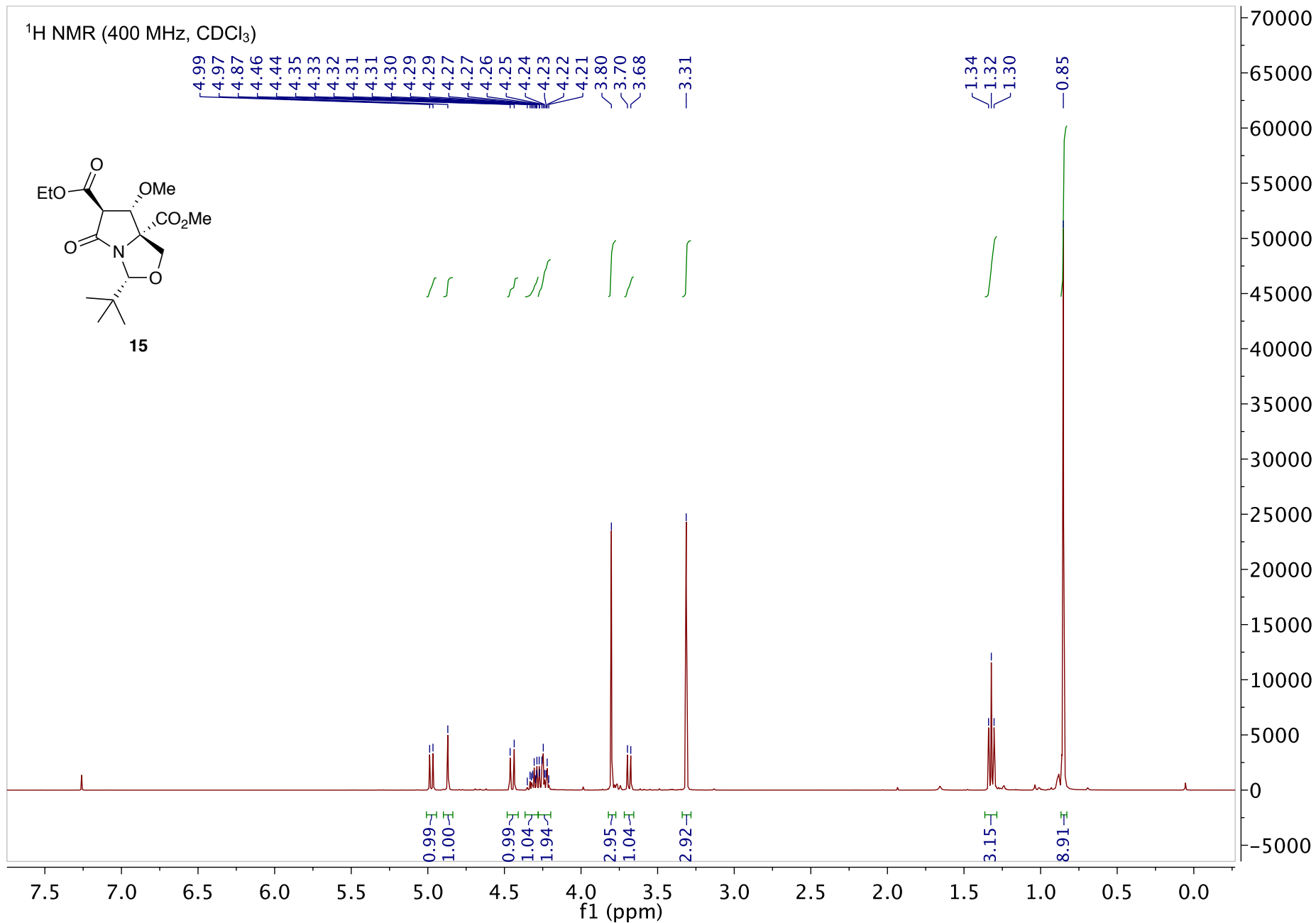


¹H NMR (400 MHz, CDCl₃)

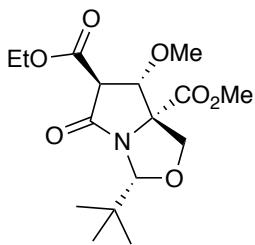


¹³C NMR (100 MHz, CDCl₃)

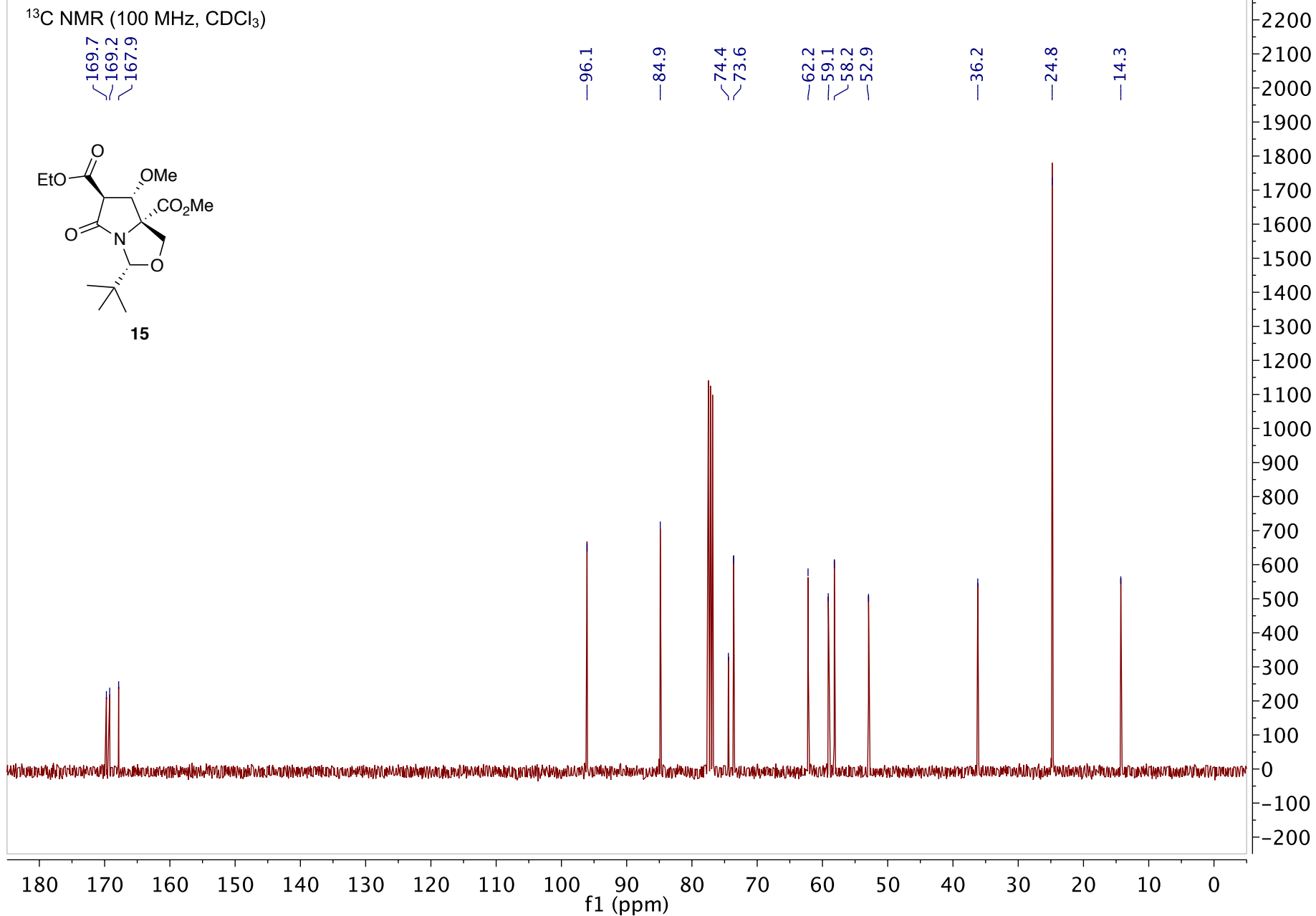


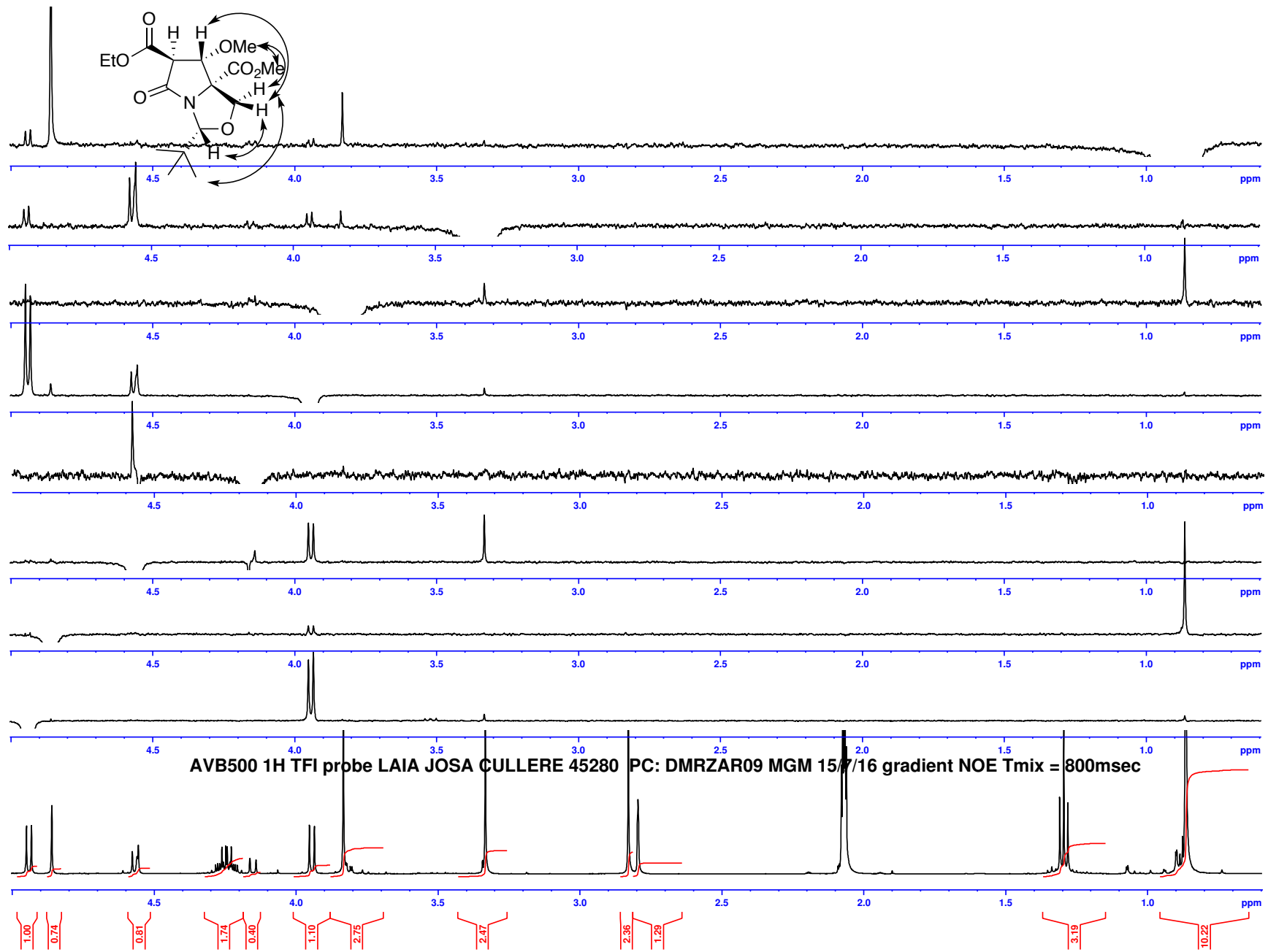


¹³C NMR (100 MHz, CDCl₃)

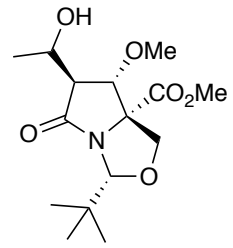


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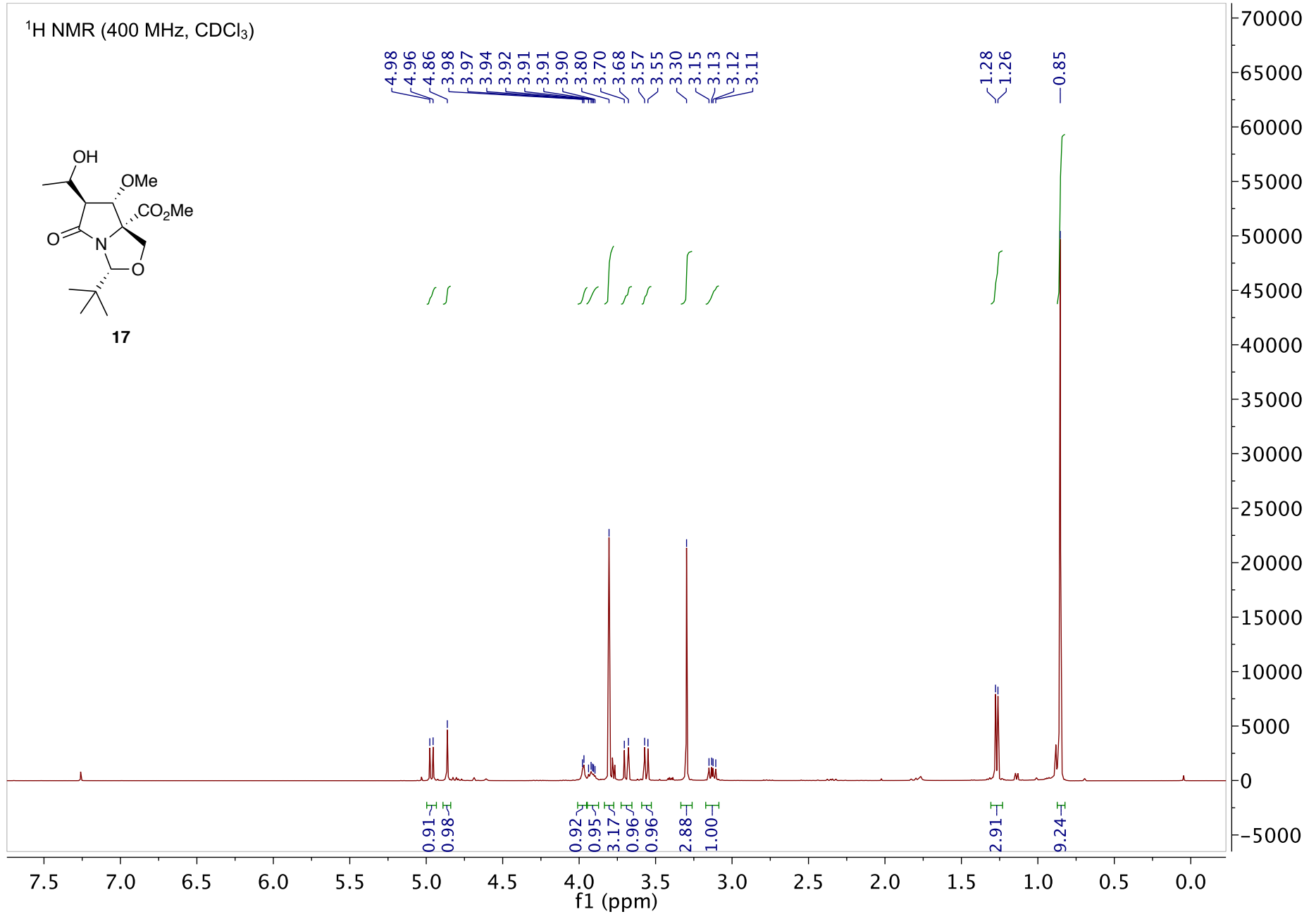




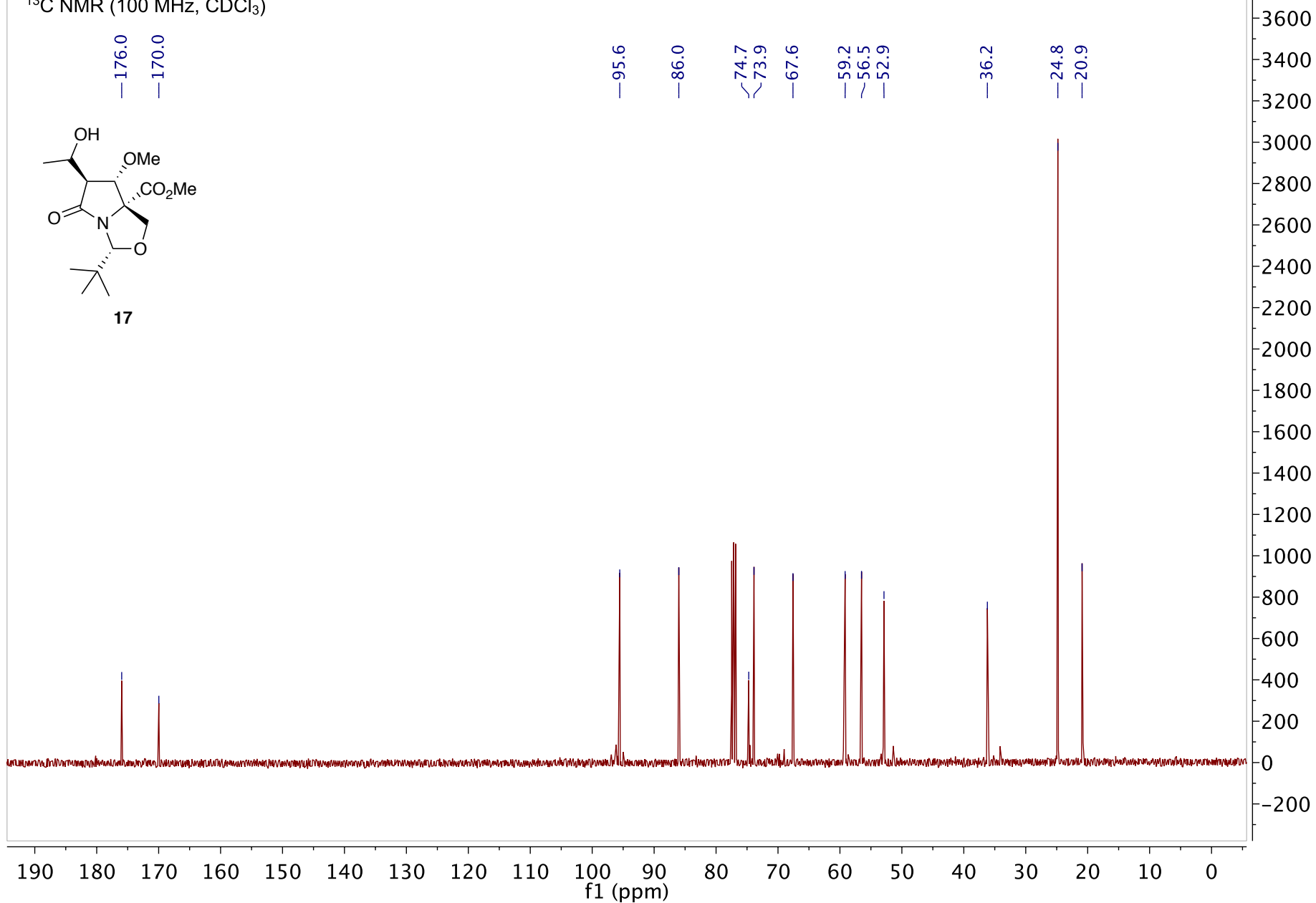
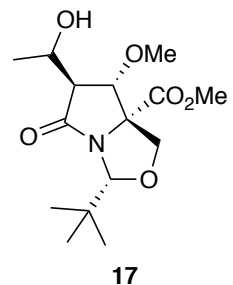
¹H NMR (400 MHz, CDCl₃)

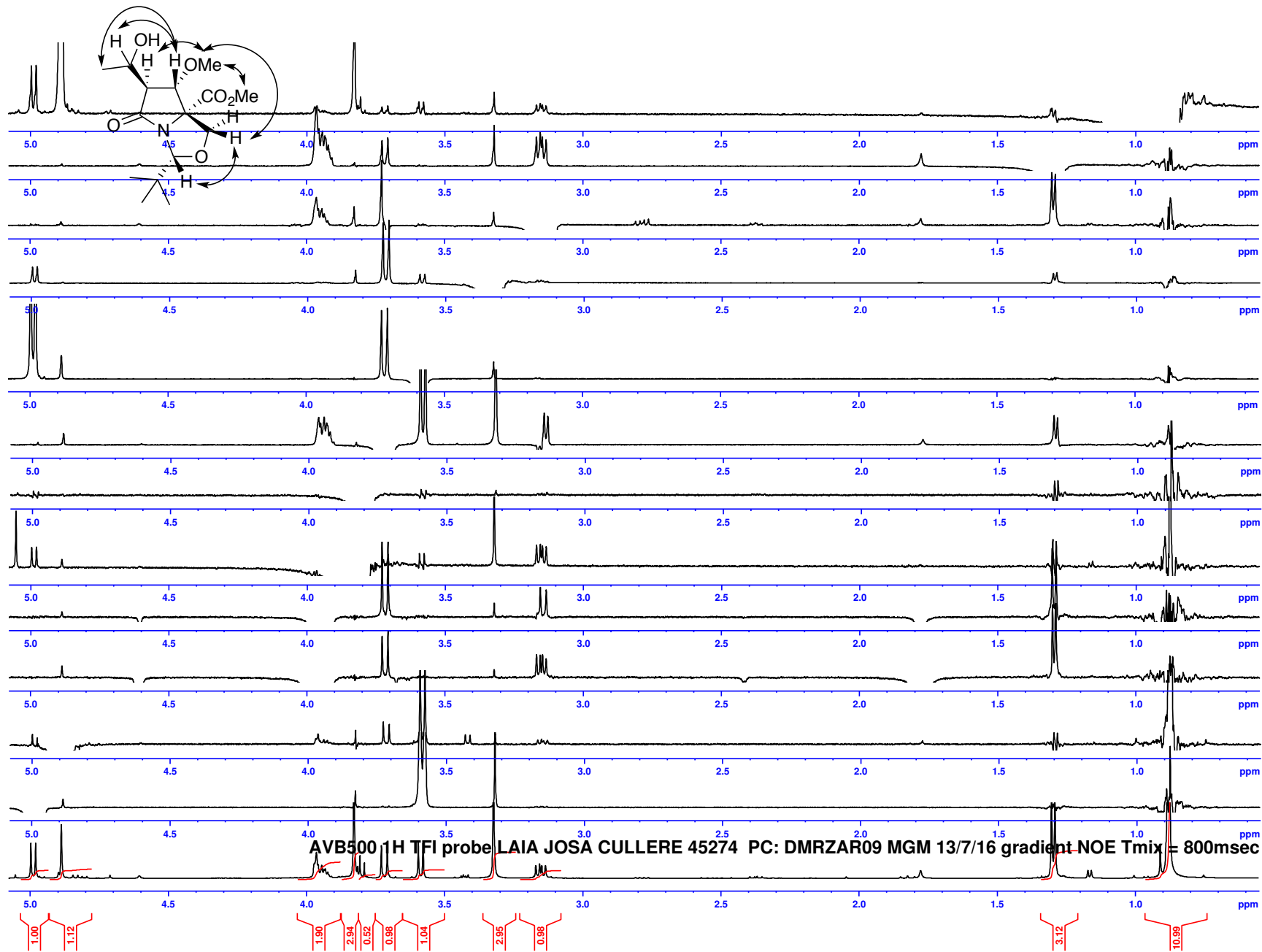


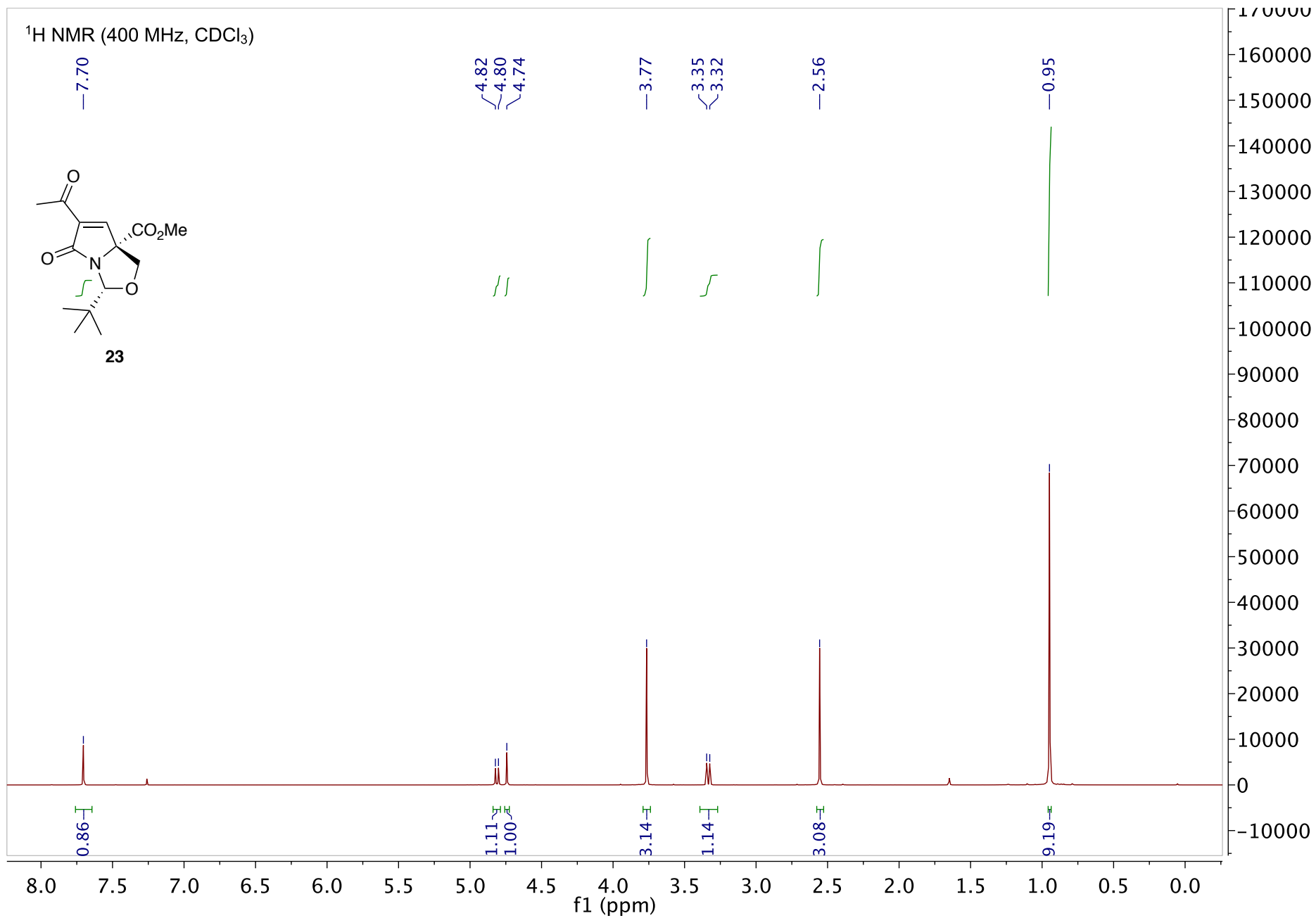
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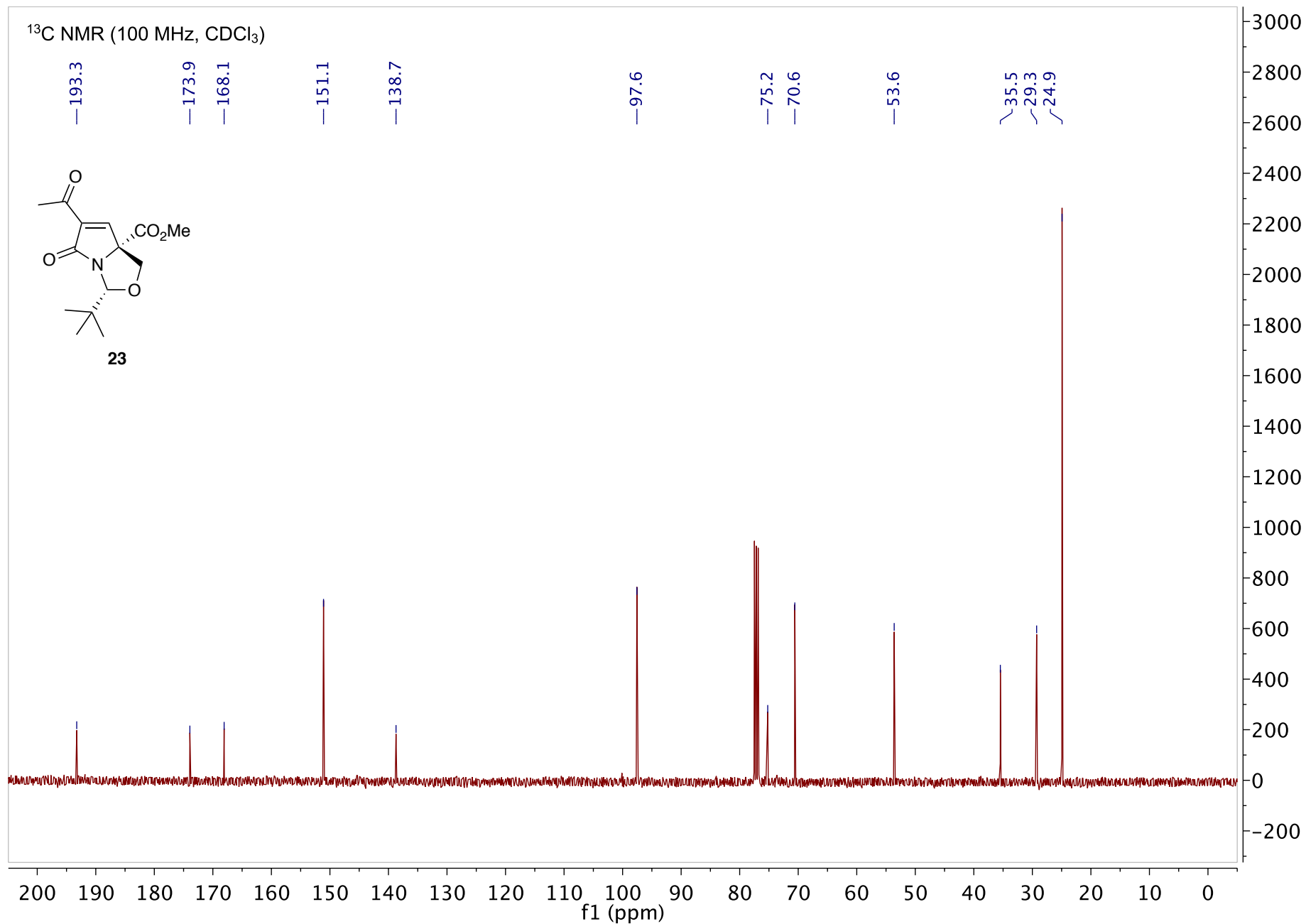


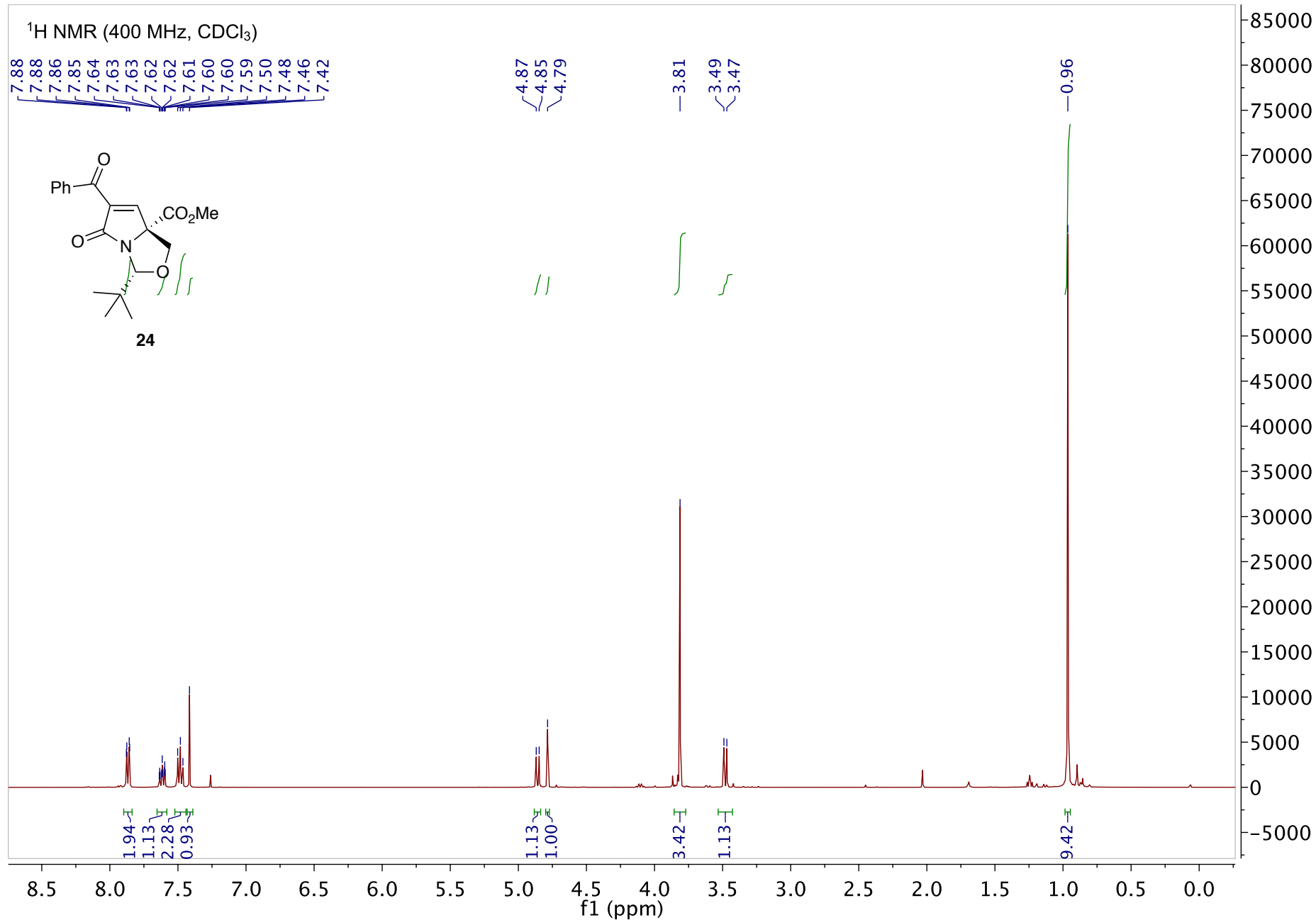
¹³C NMR (100 MHz, CDCl₃)

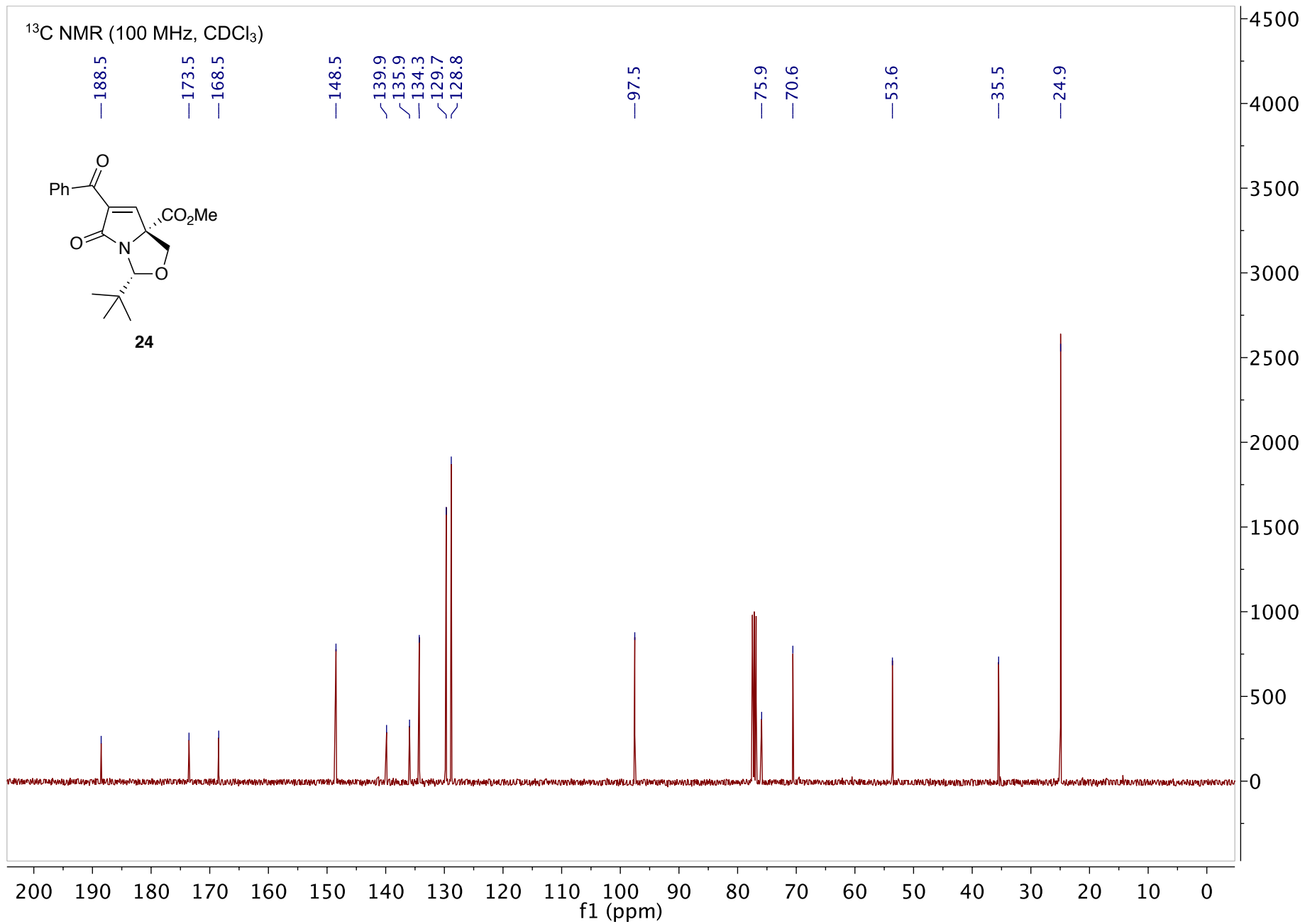


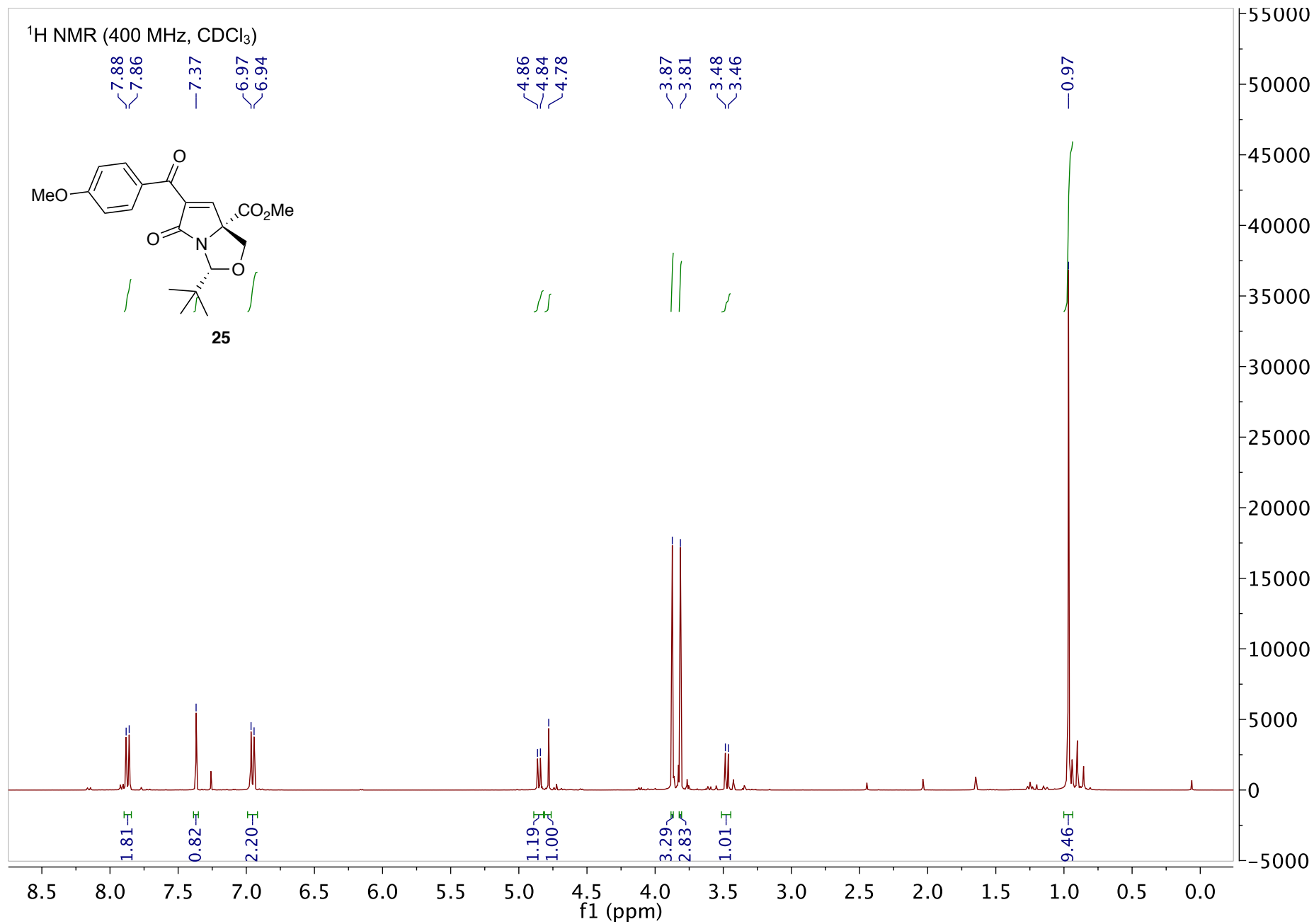


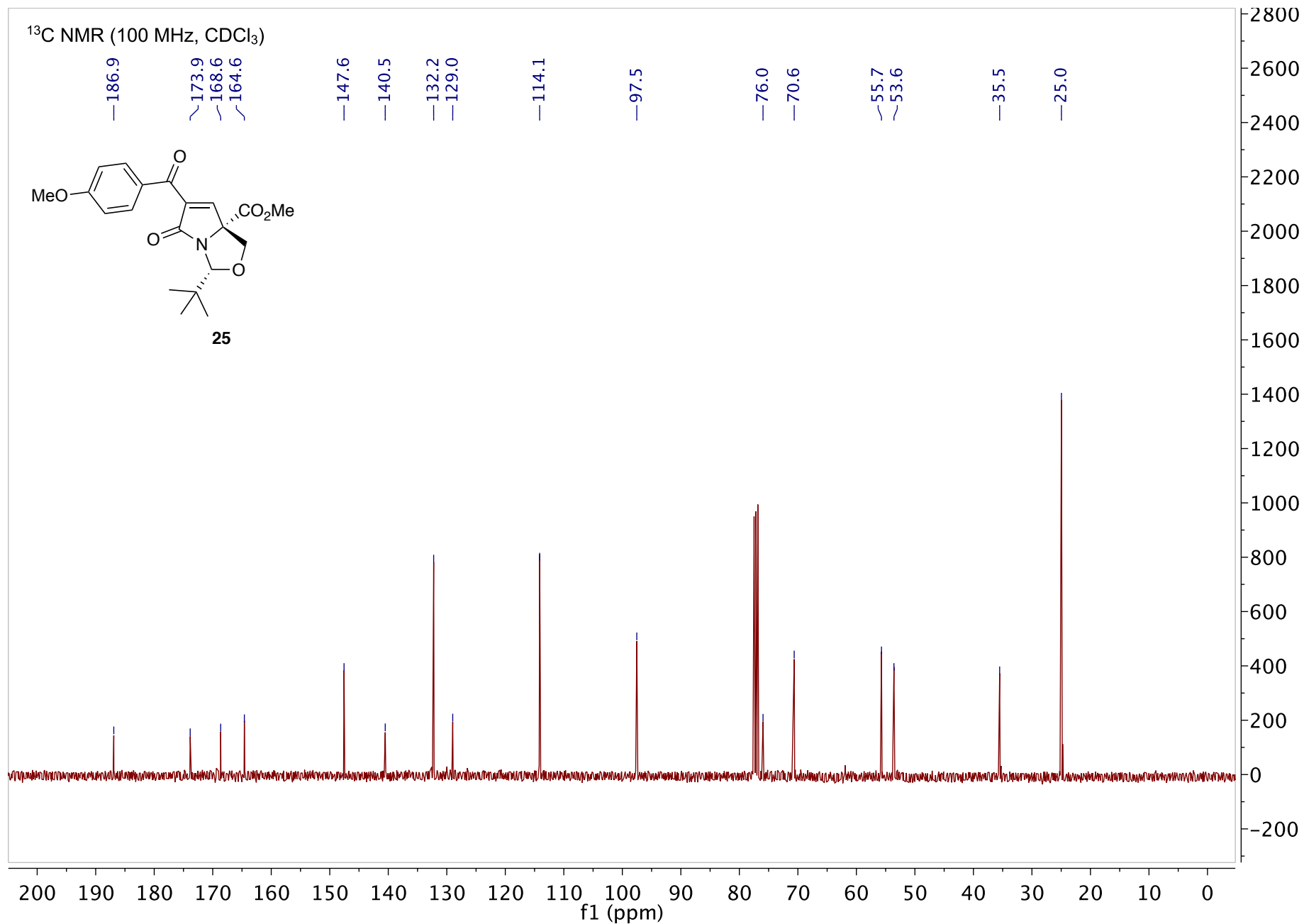


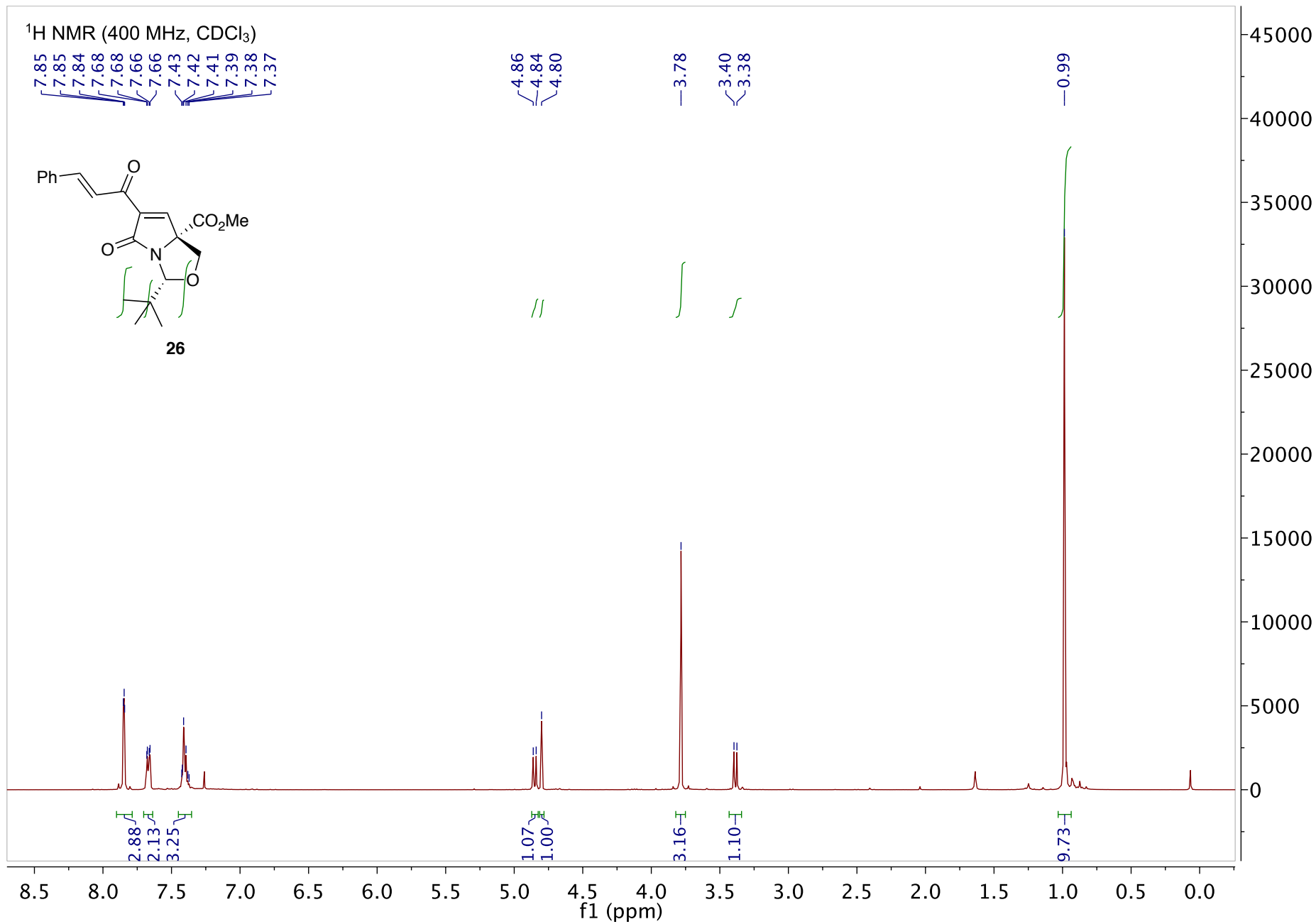




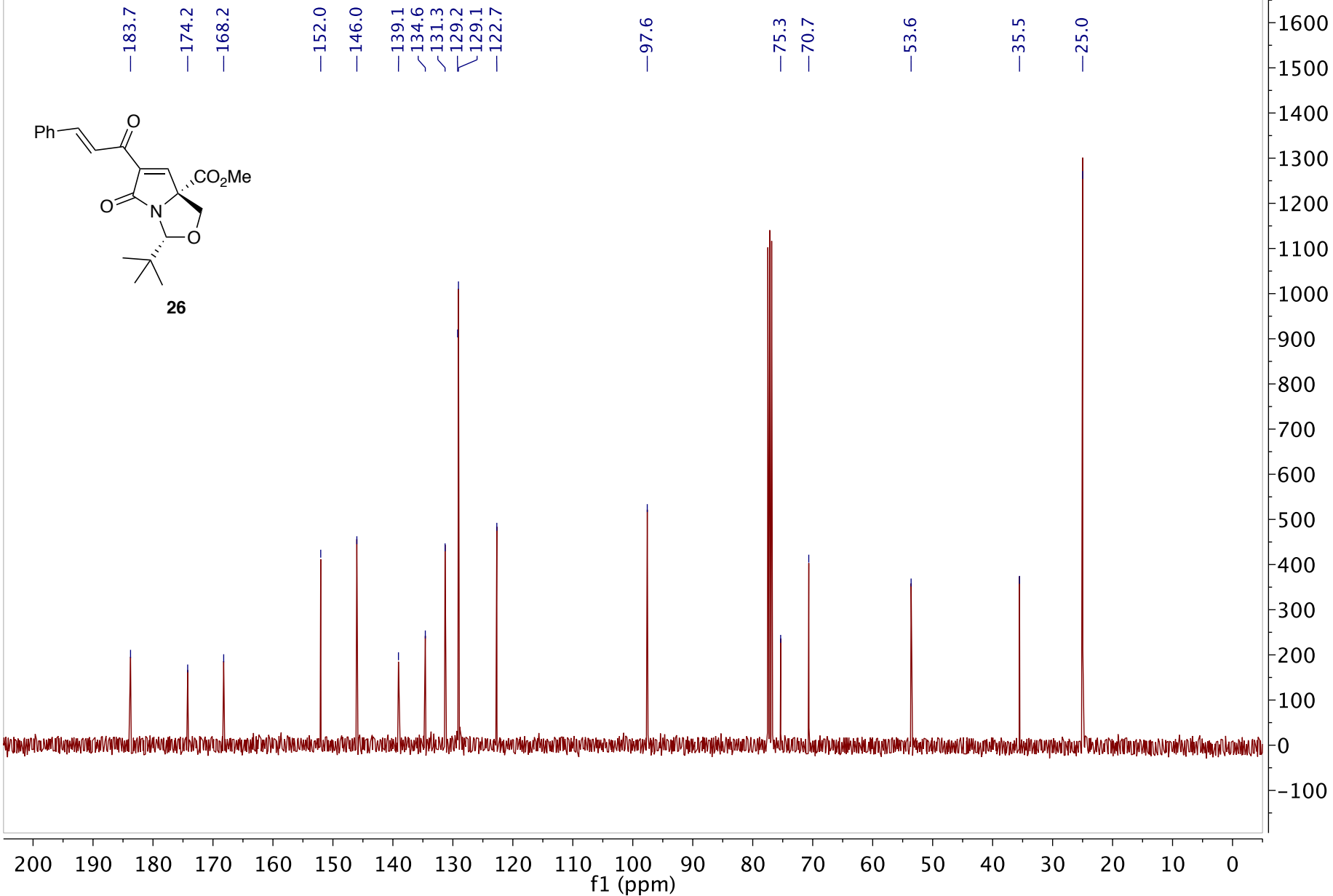
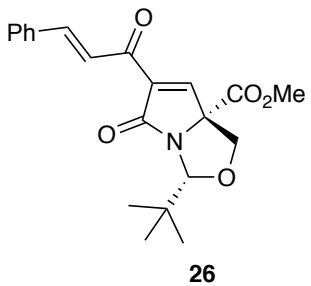


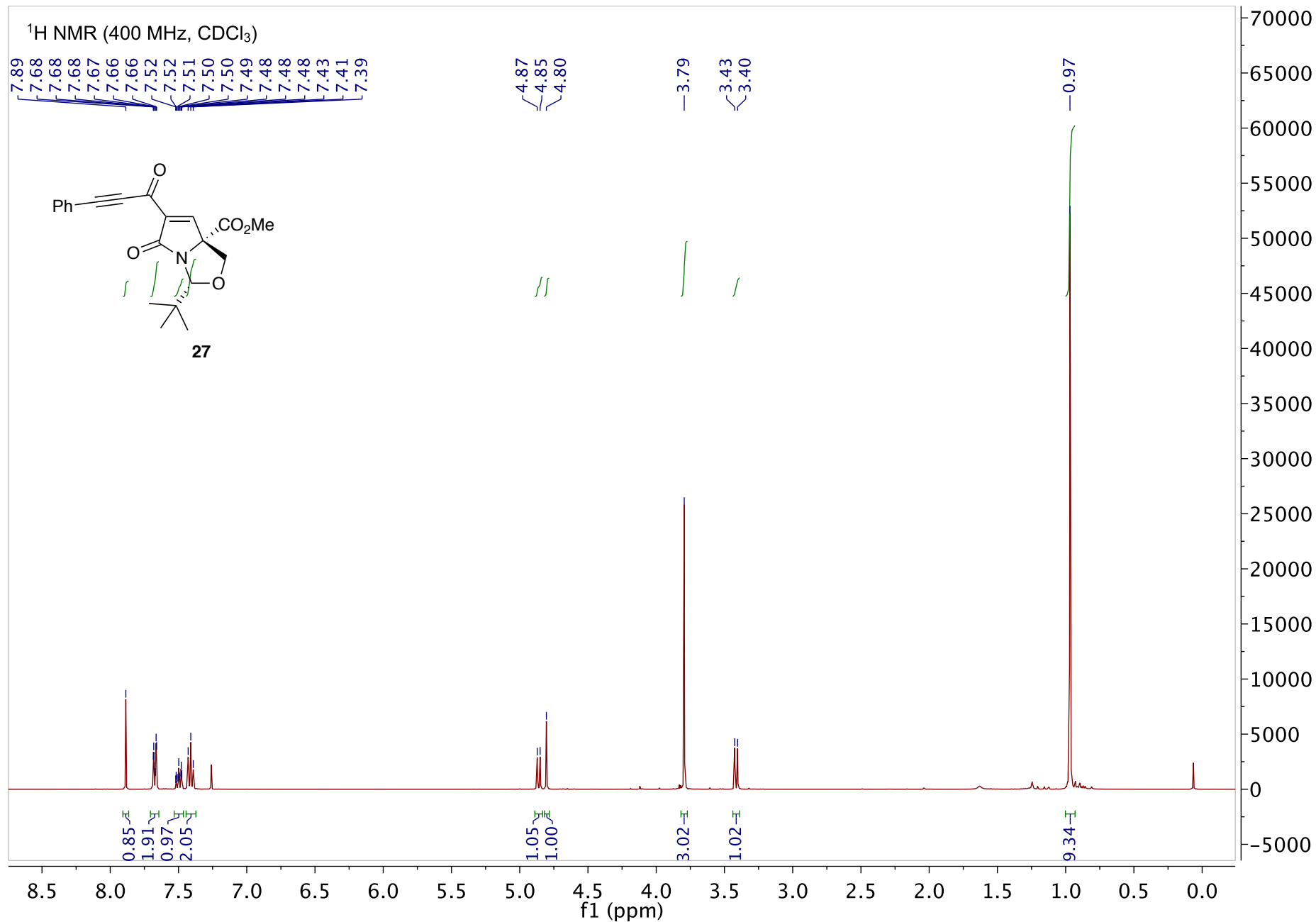




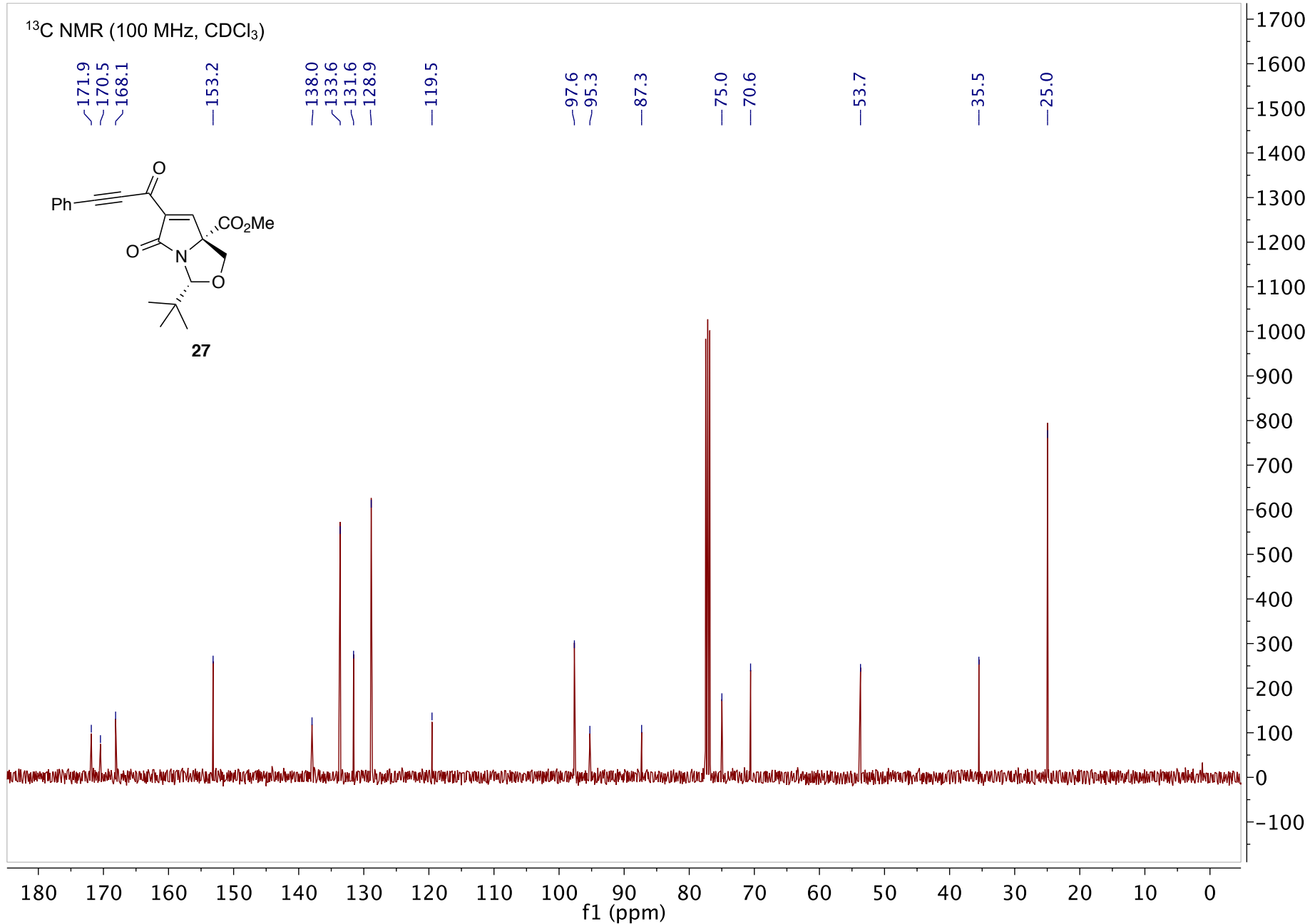
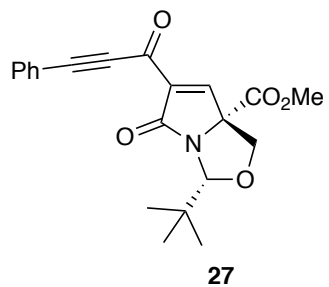


¹³C NMR (100 MHz, CDCl₃)

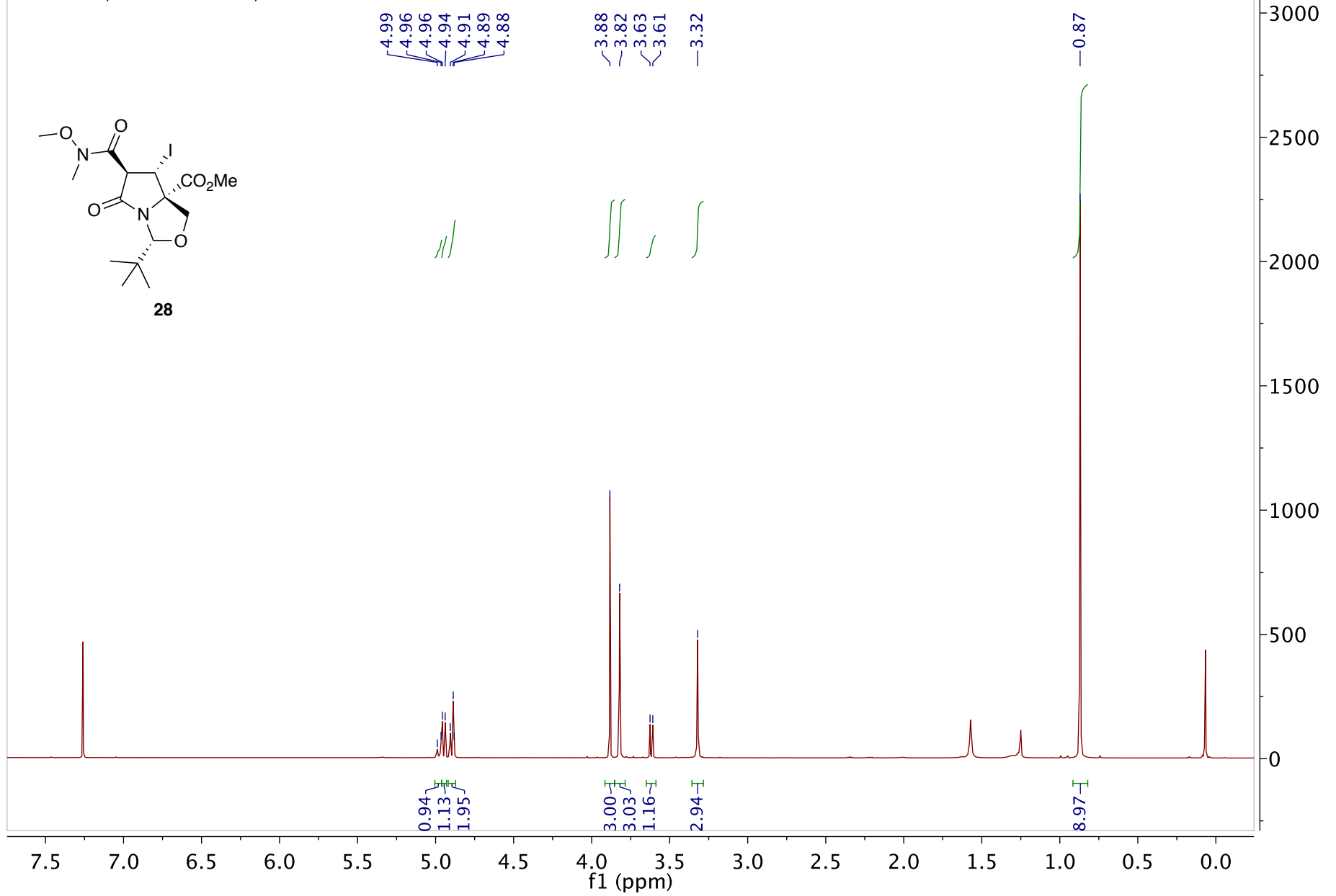
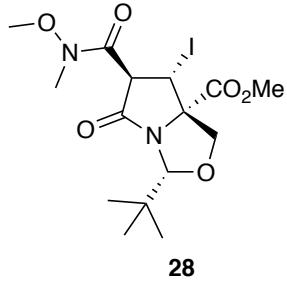




¹³C NMR (100 MHz, CDCl₃)

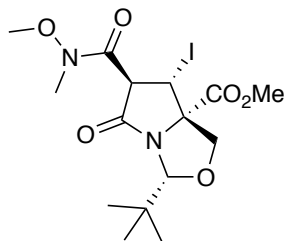


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¹³C NMR (125 MHz, CDCl₃)

170.3
170.2
165.9



28

96.9

75.7

73.4

62.2

59.1

53.1

36.4

32.5

24.9

17.4

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0

f1 (ppm)

100000

90000

80000

70000

60000

50000

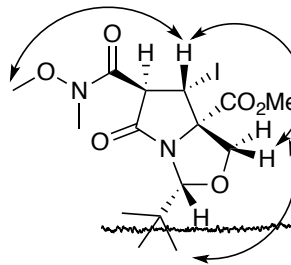
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30000

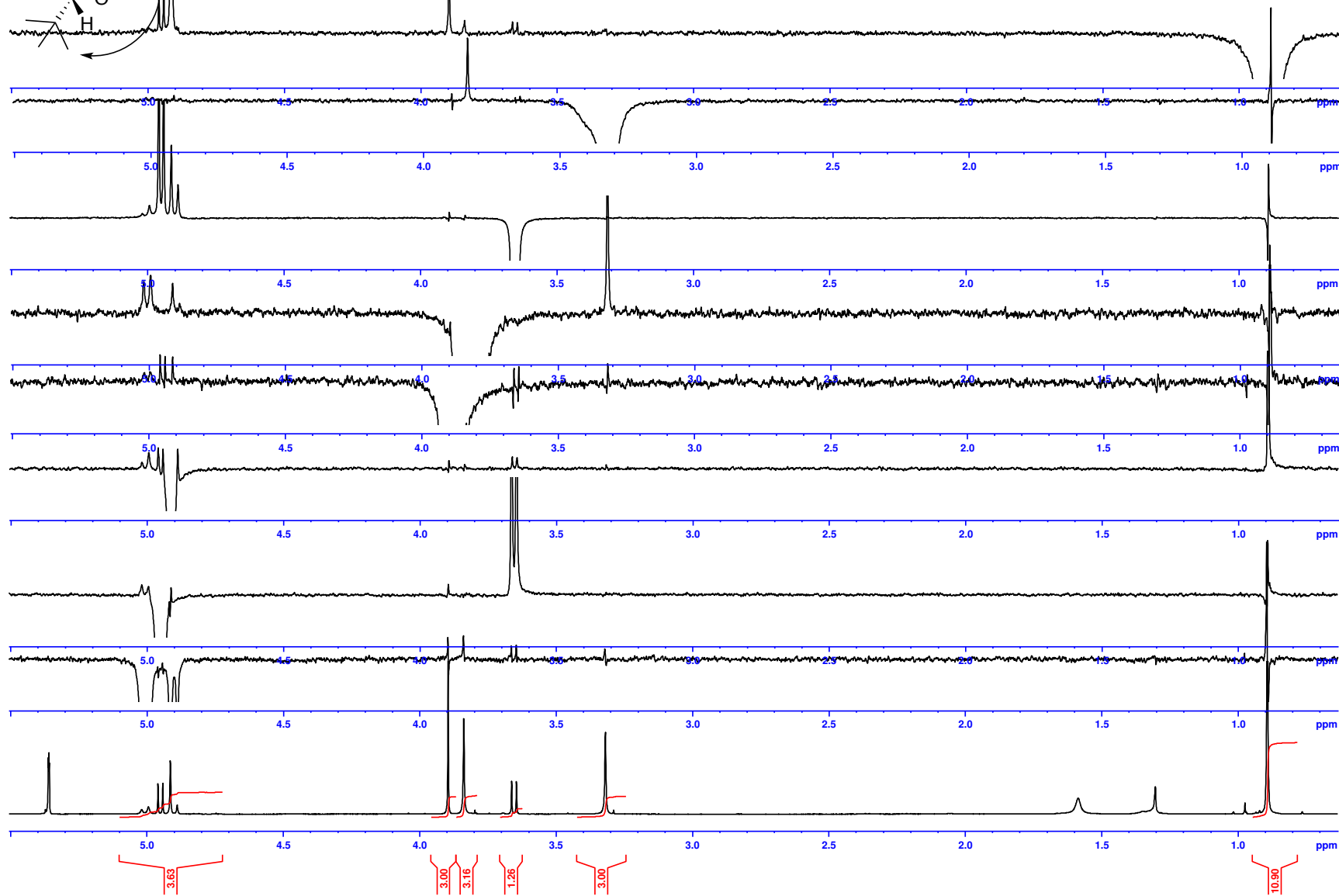
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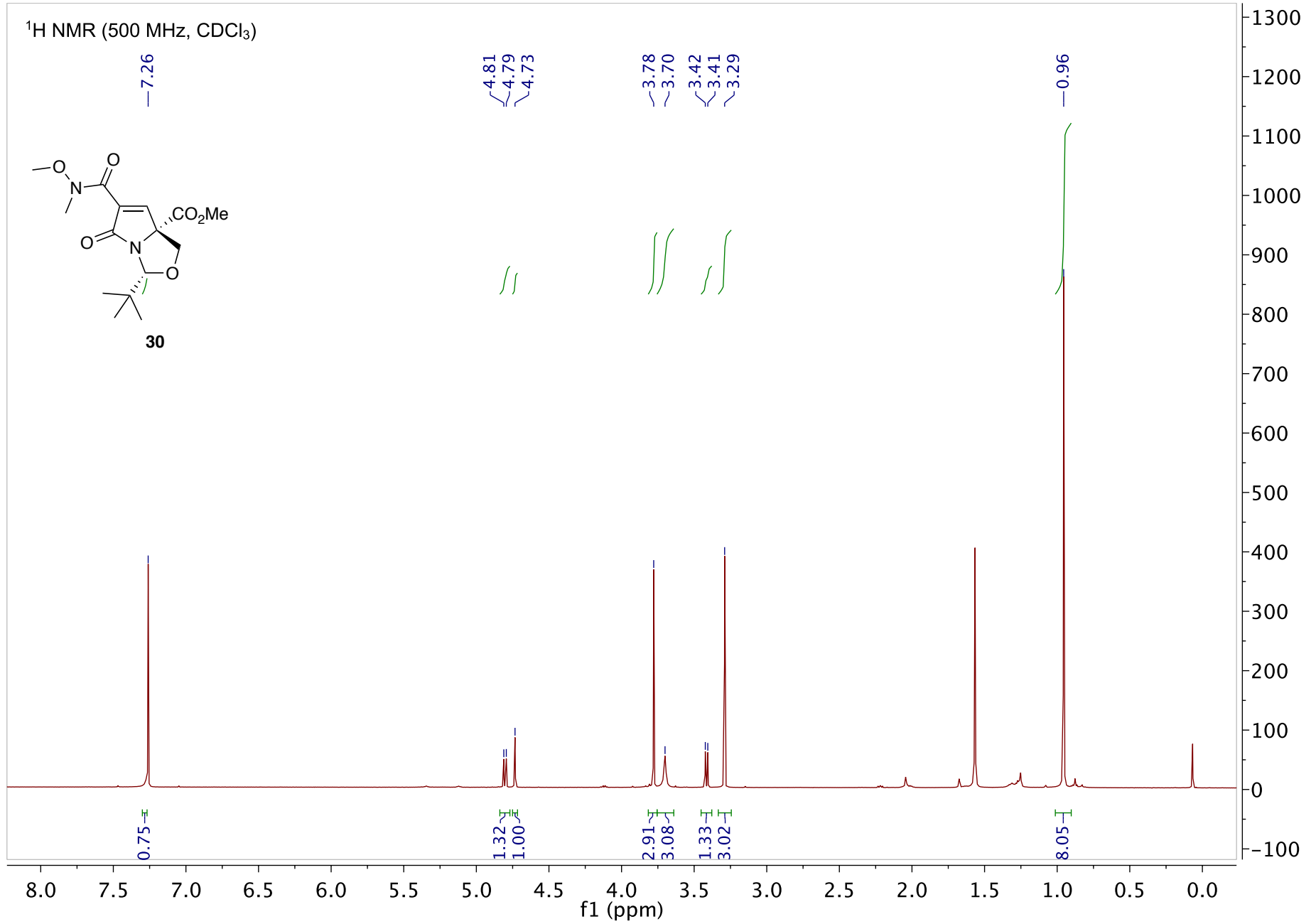
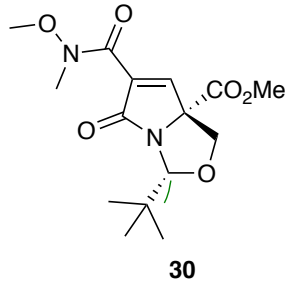
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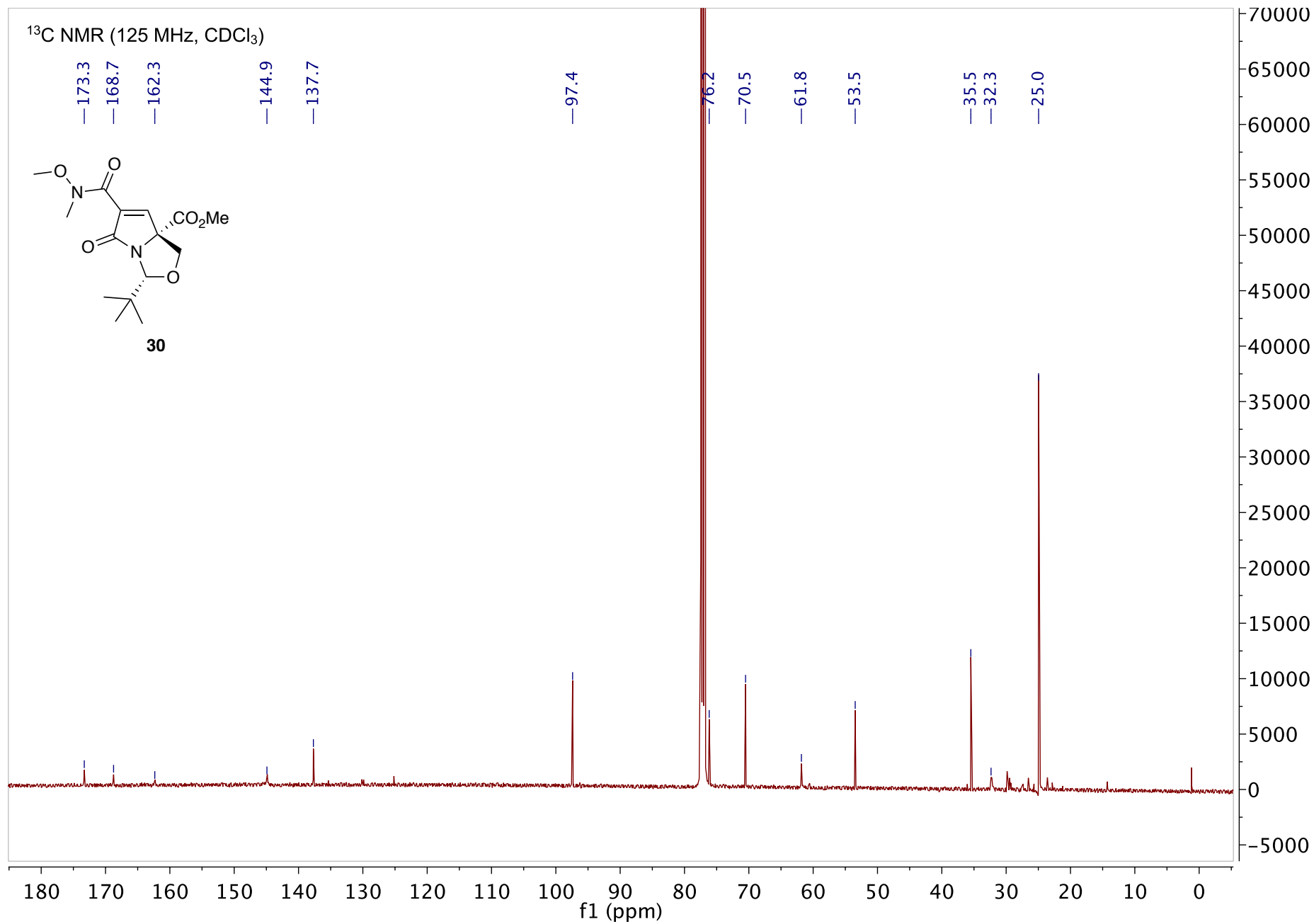


AVB500 1H TFI probe LAIA JOSA CULLERE 45494 PC: DMRZAR09 MGM 9/8/16 gradient NOE Tmix = 800msec



¹H NMR (500 MHz, CDCl₃)





¹H NMR (400 MHz, CDCl₃)

