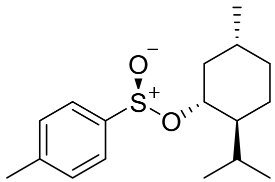
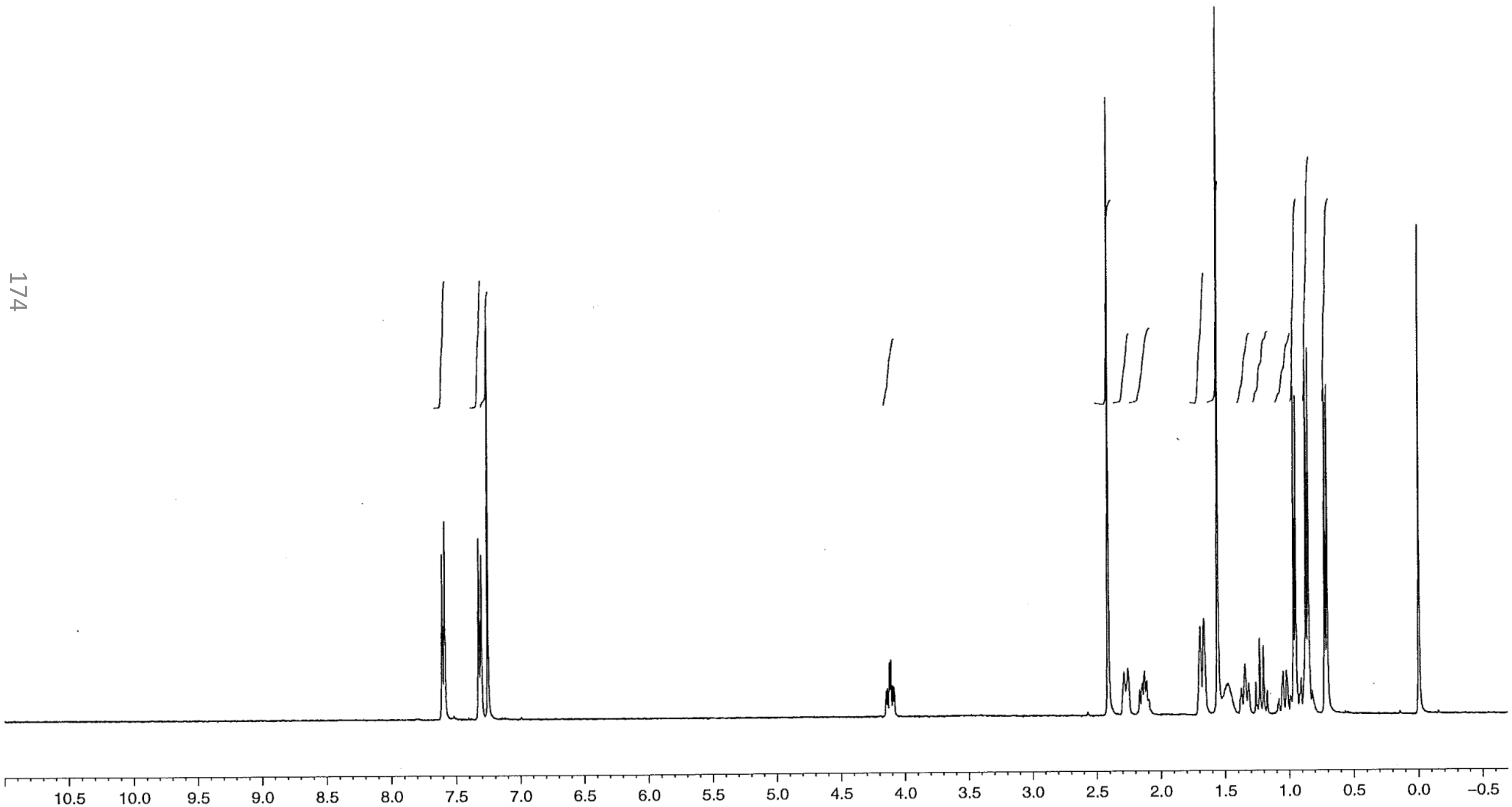
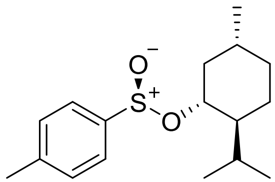


127 $C_{17}H_{26}O_2S$
(294.46)

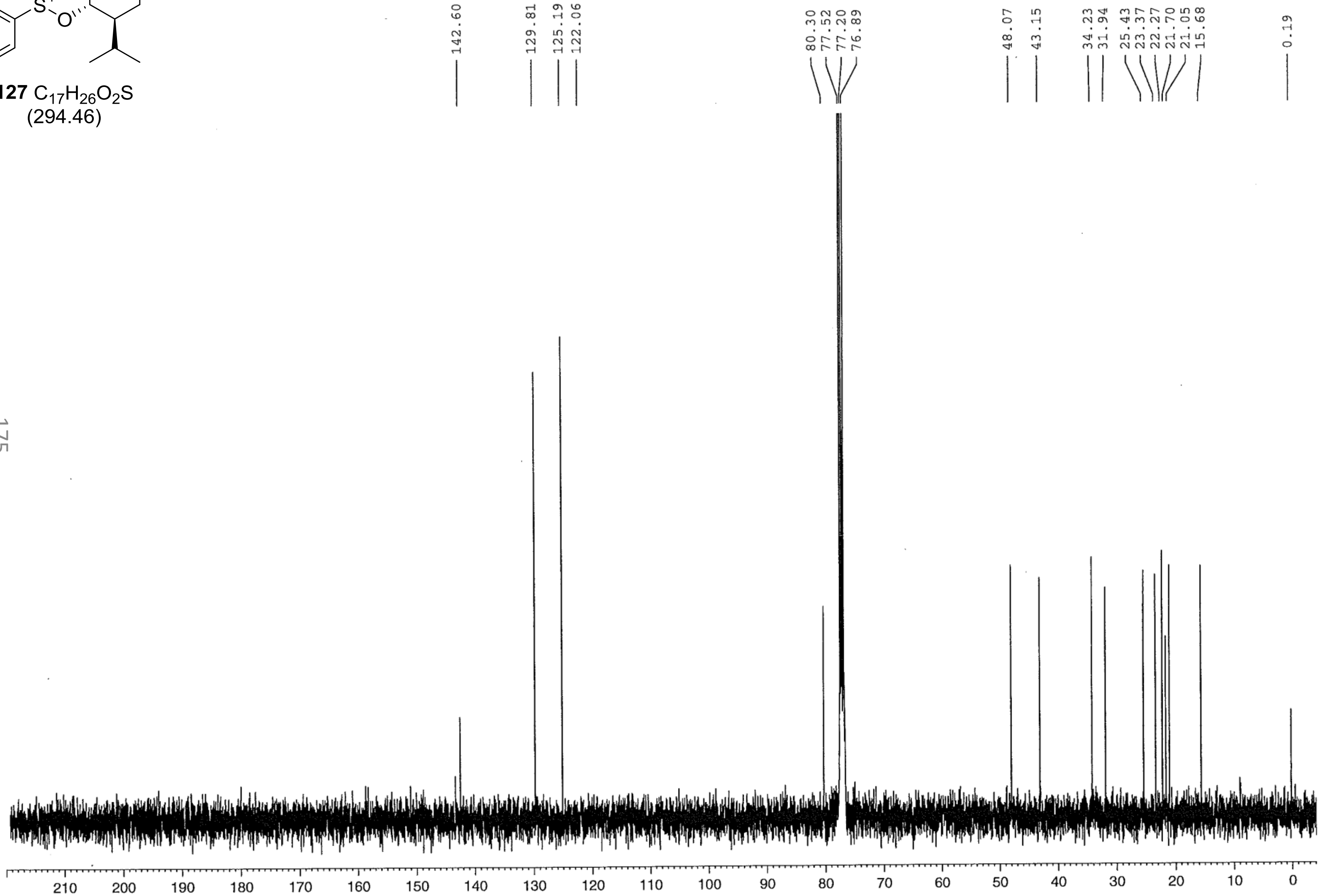
1H NMR : 400 MHz, CDCl3

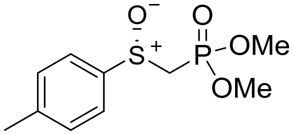




127 $C_{17}H_{26}O_2S$
(294.46)

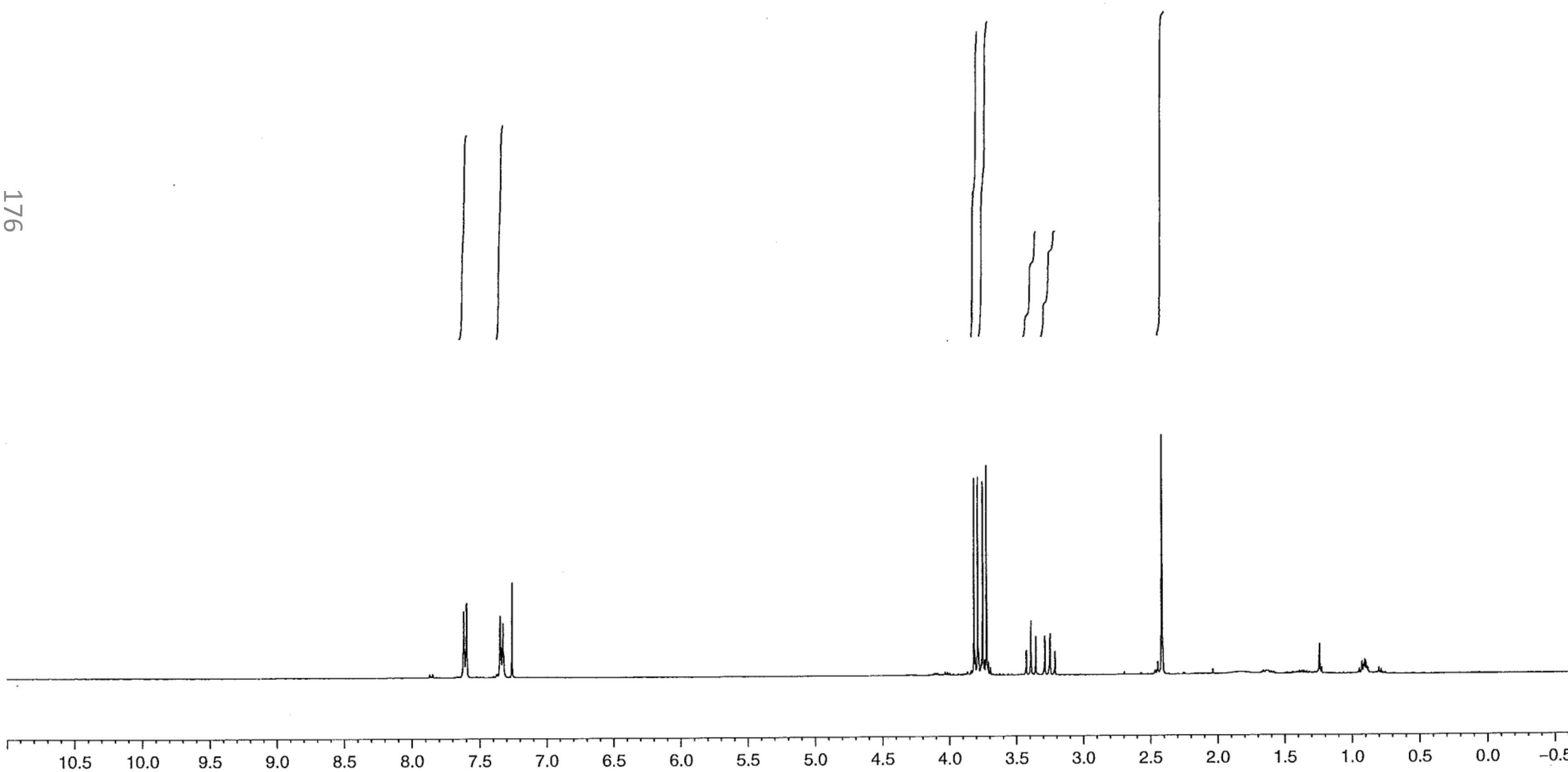
13C NMR: 100 MHz, CDCl3

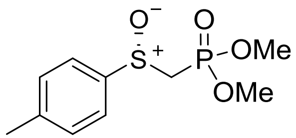




129 $C_{10}H_{15}O_4PS$
(262.26)

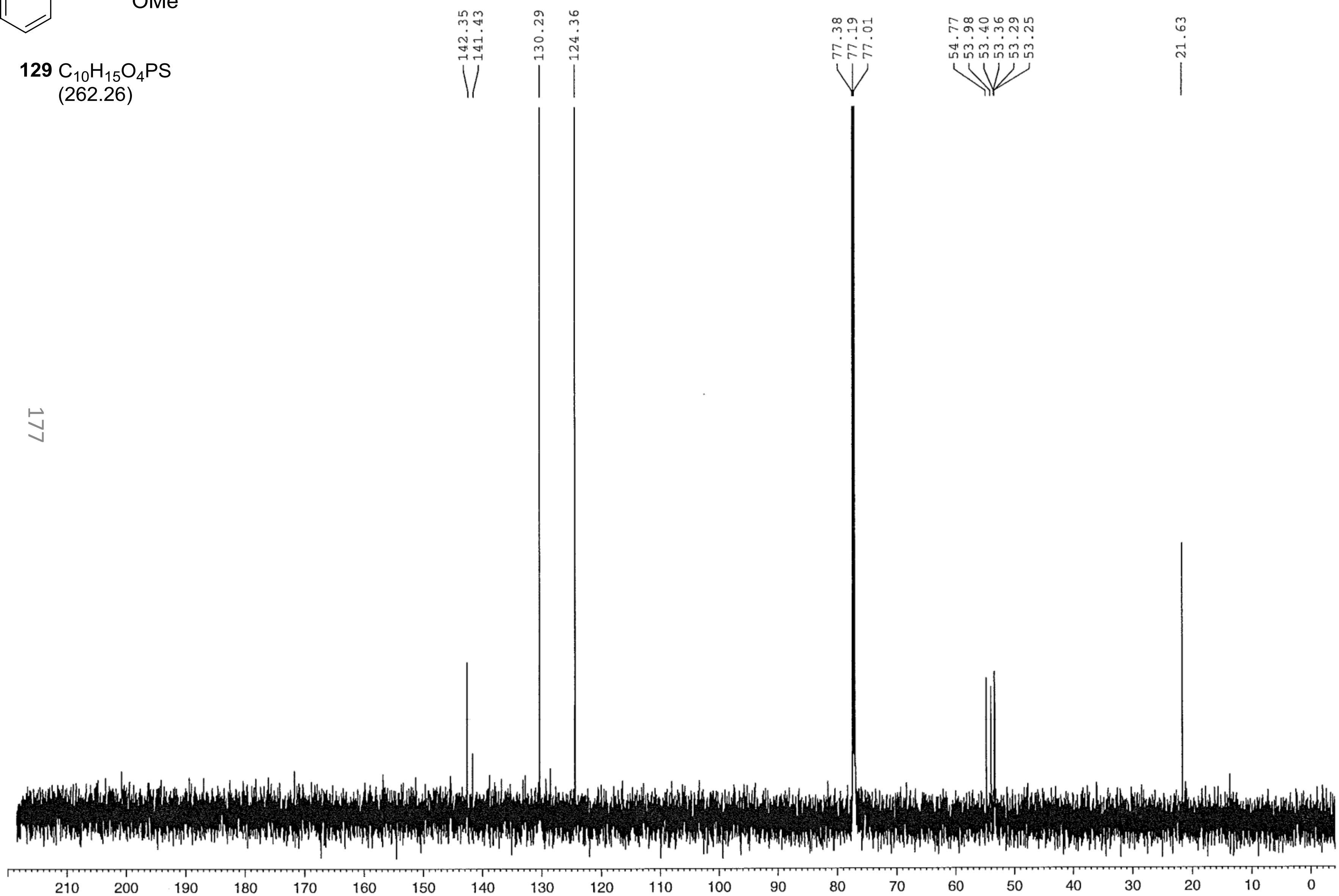
1H NMR : 400 MHz, CDCl3

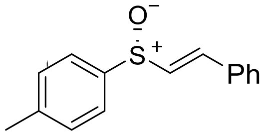




129 $C_{10}H_{15}O_4PS$
(262.26)

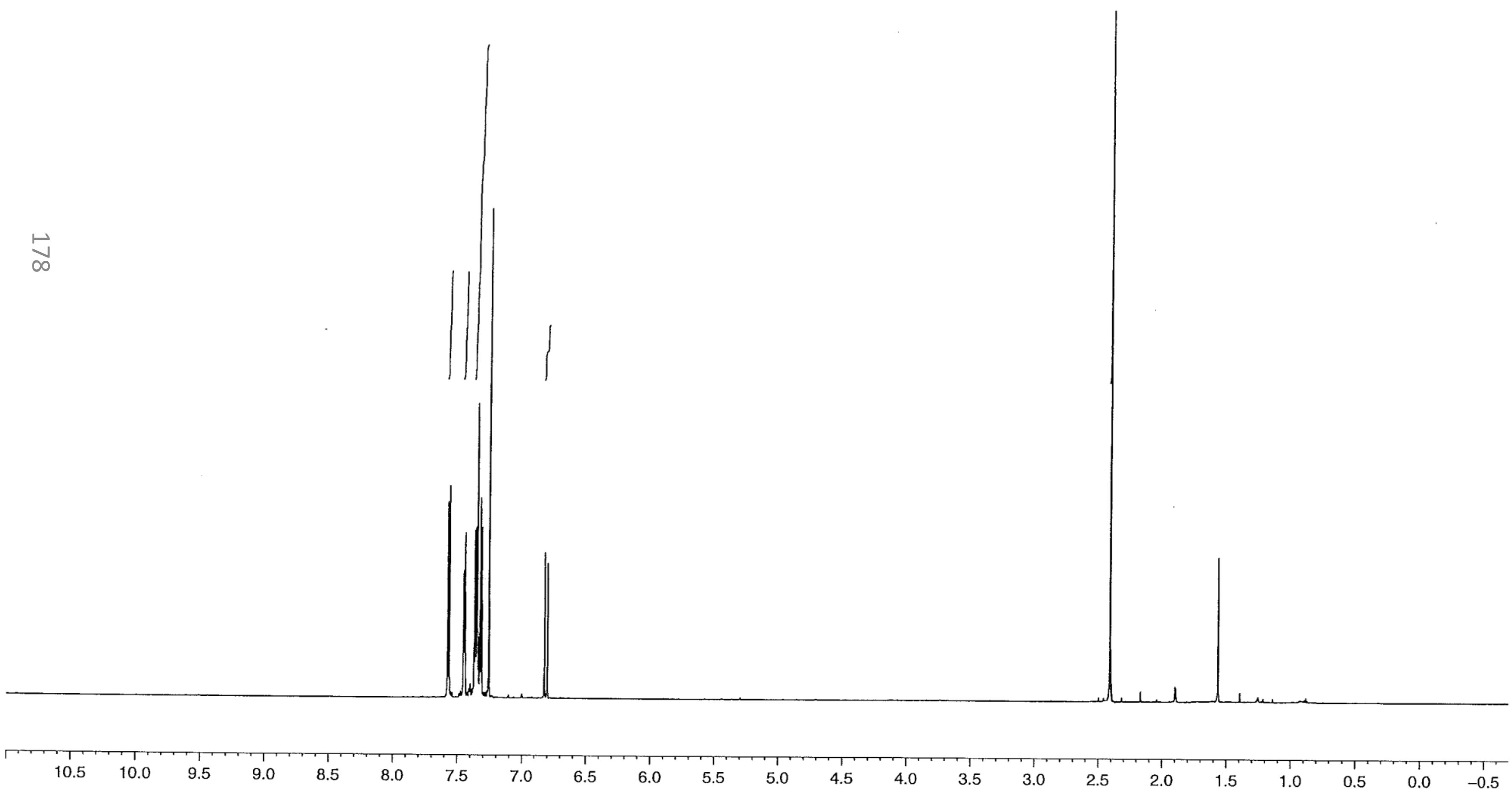
13C NMR: 100 MHz, CDCl3

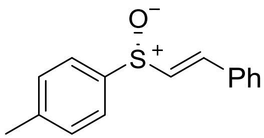




(*E*)-**132** $C_{15}H_{14}OS$
(242.08)

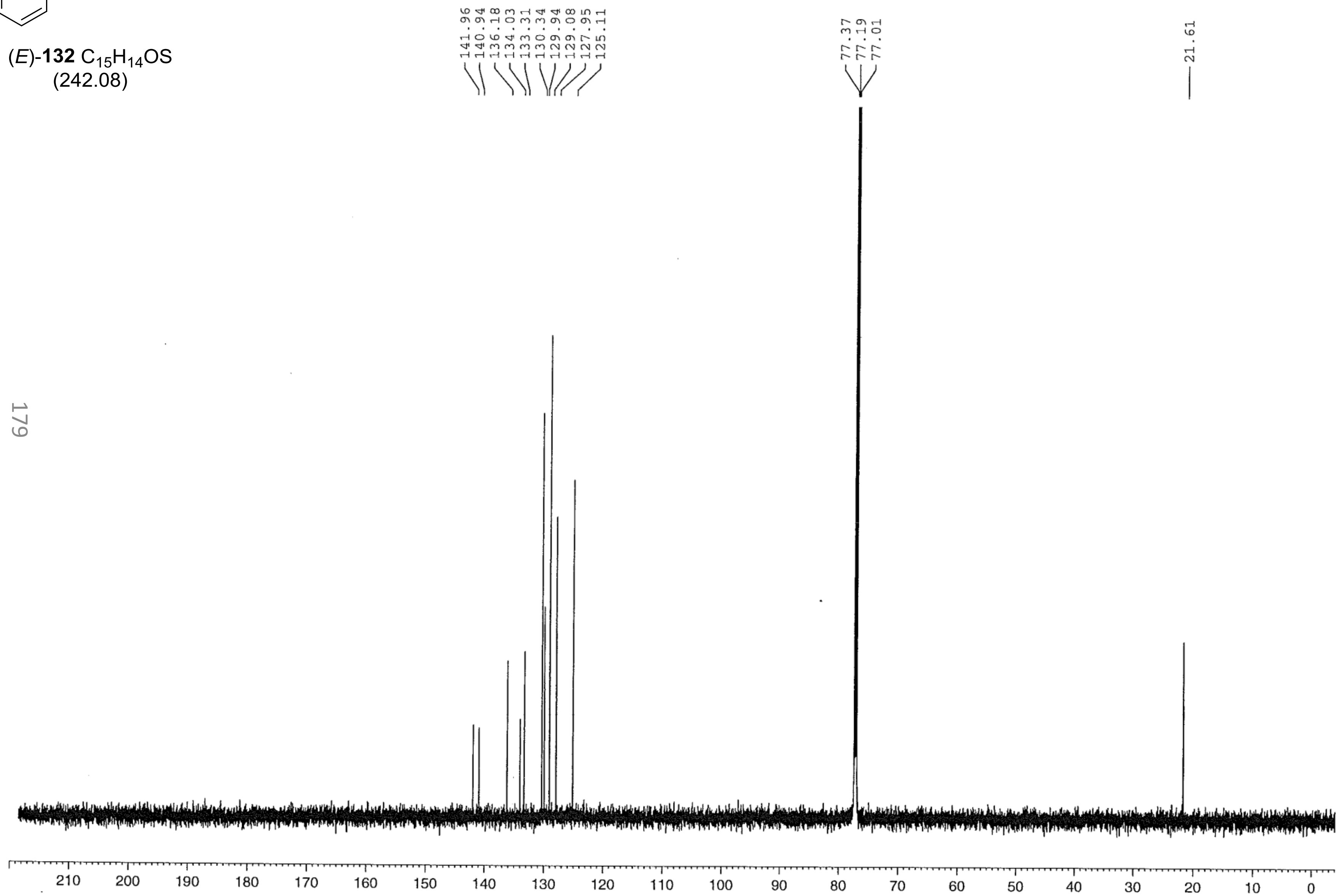
1H NMR : 700 MHz, CDCl3

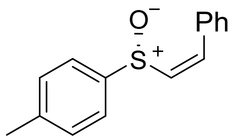




(*E*)-**132** $C_{15}H_{14}OS$
(242.08)

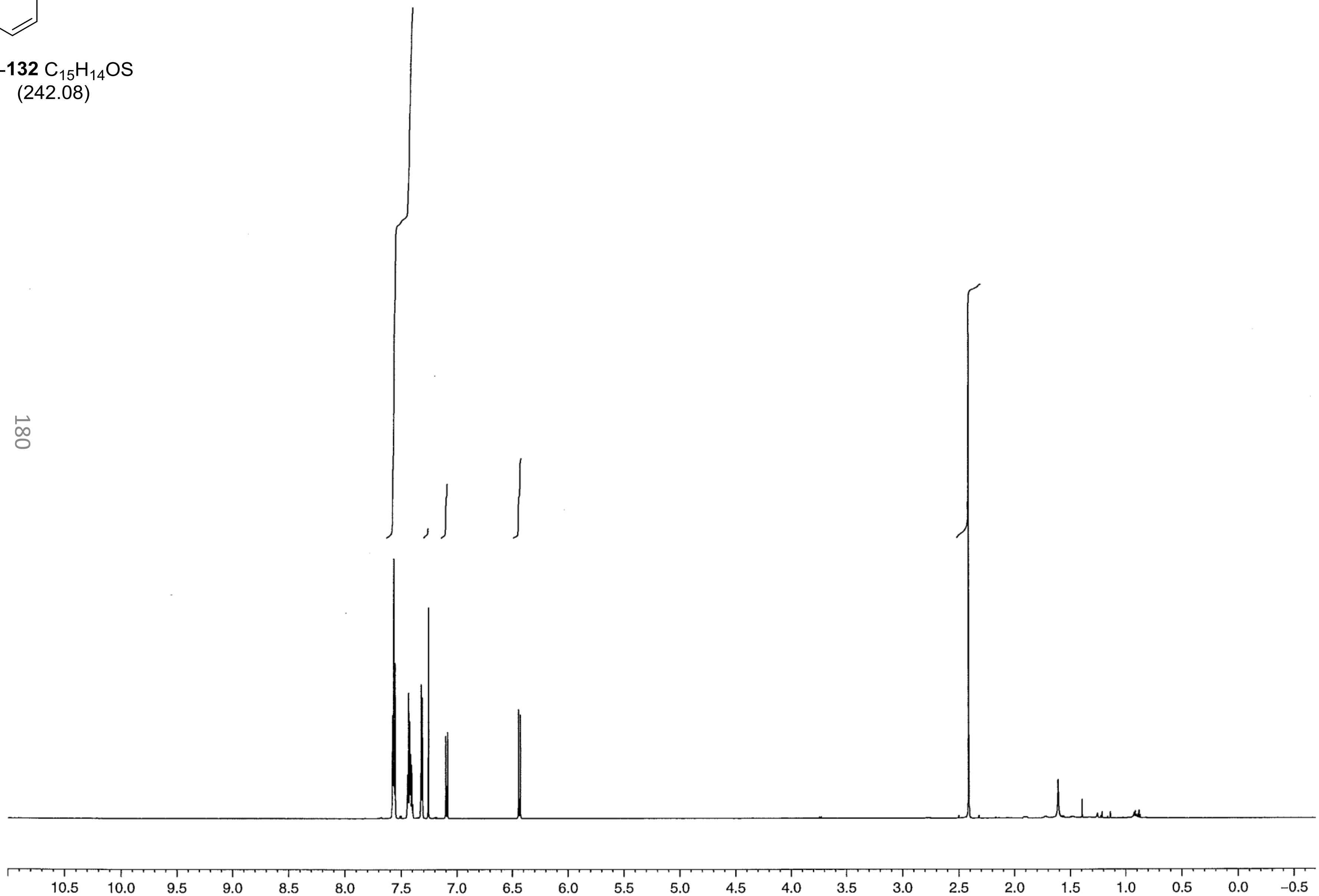
13C NMR: 175 MHz, CDCl3

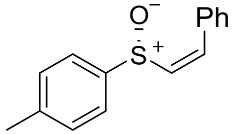




(*E*)-**132** $C_{15}H_{14}OS$
(242.08)

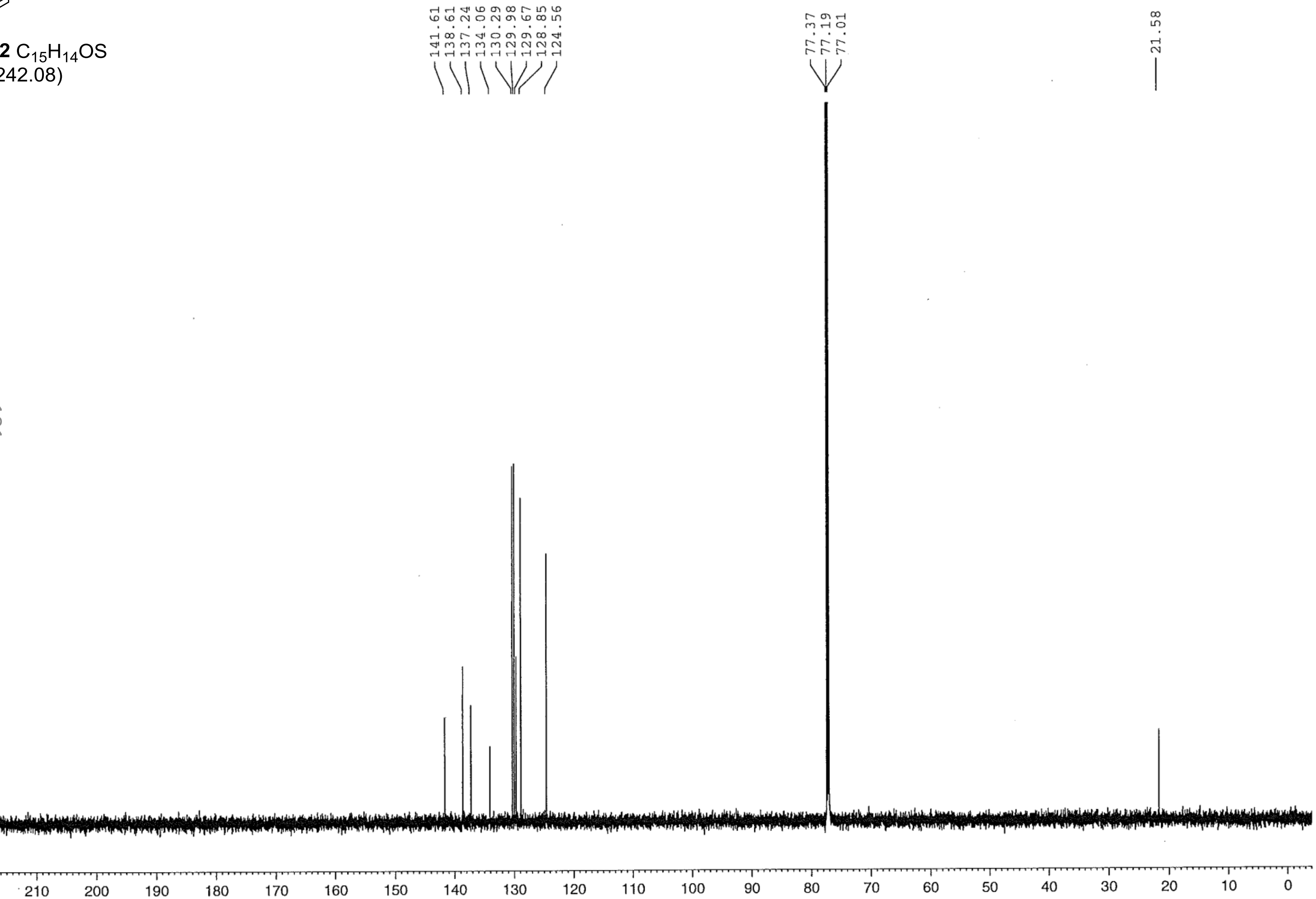
1H NMR :700 MHz, CDCl3



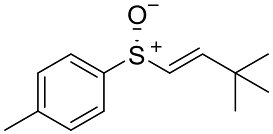


(*E*)-**132** $C_{15}H_{14}OS$
(242.08)

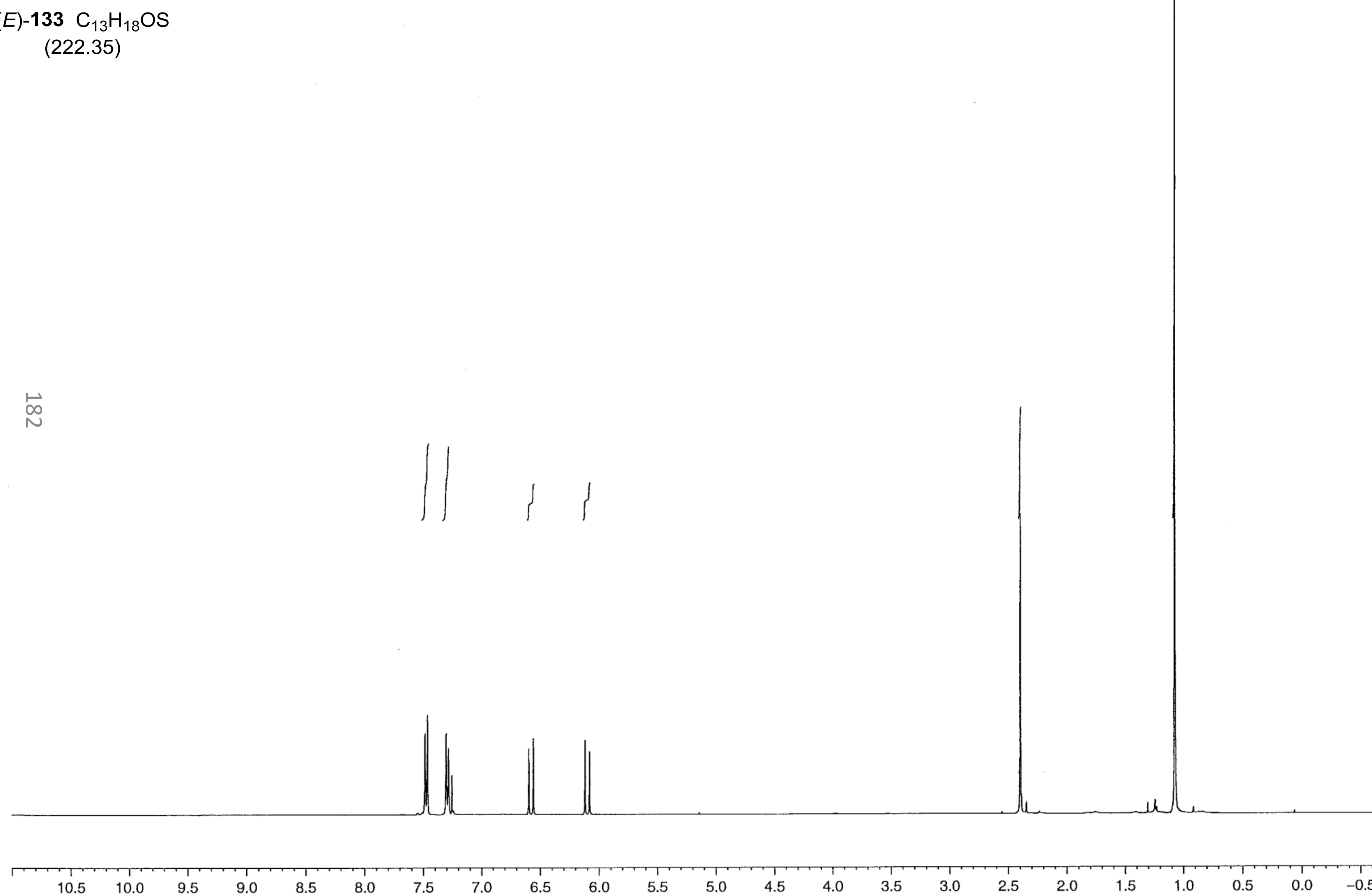
13C NMR: 175 MHz, CDCl3

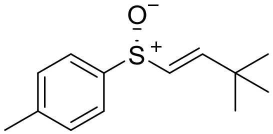


1H NMR : 400 MHz, CDCl3



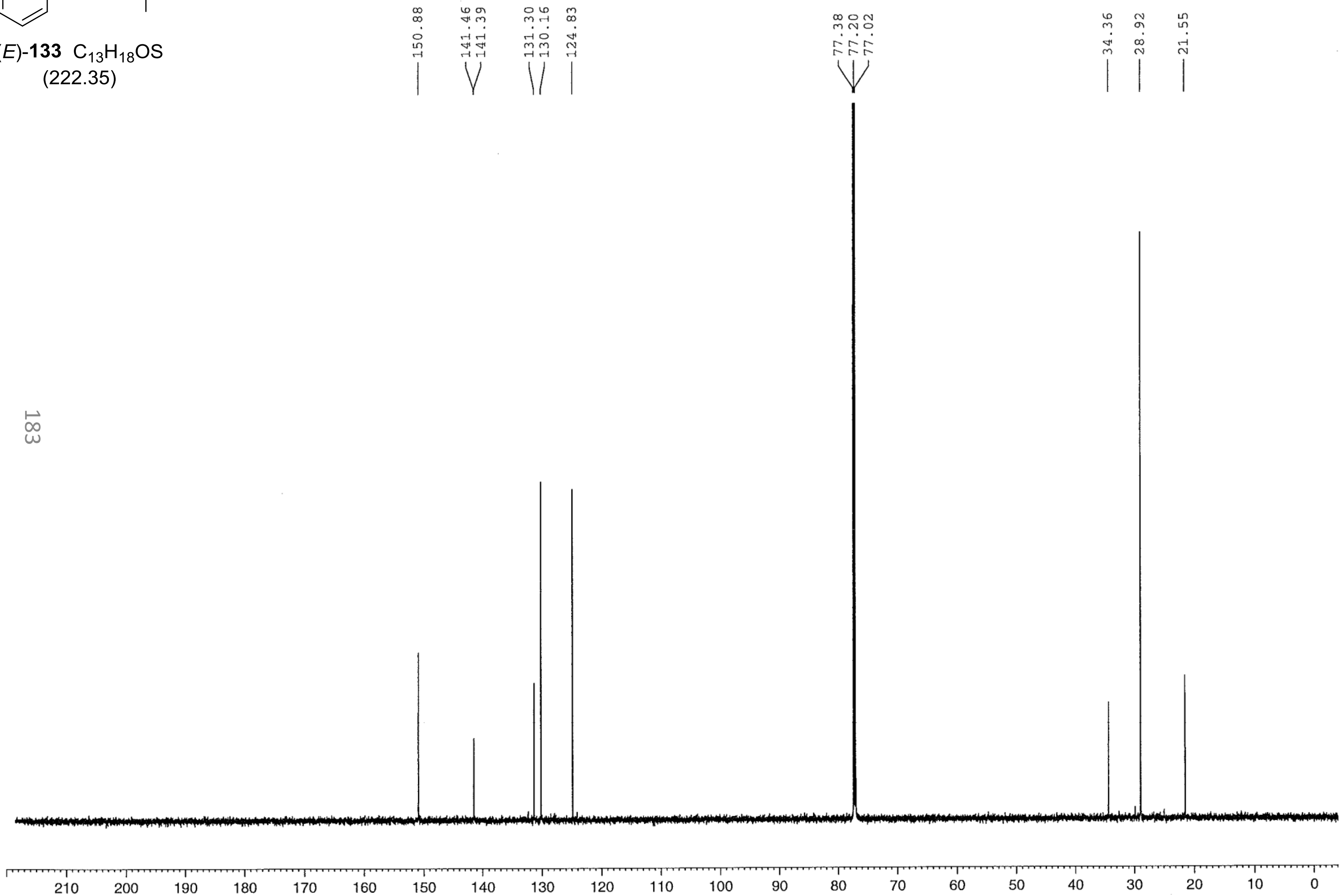
(*E*)-**133** $C_{13}H_{18}OS$
(222.35)

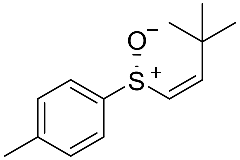




(*E*)-**133** $C_{13}H_{18}OS$
(222.35)

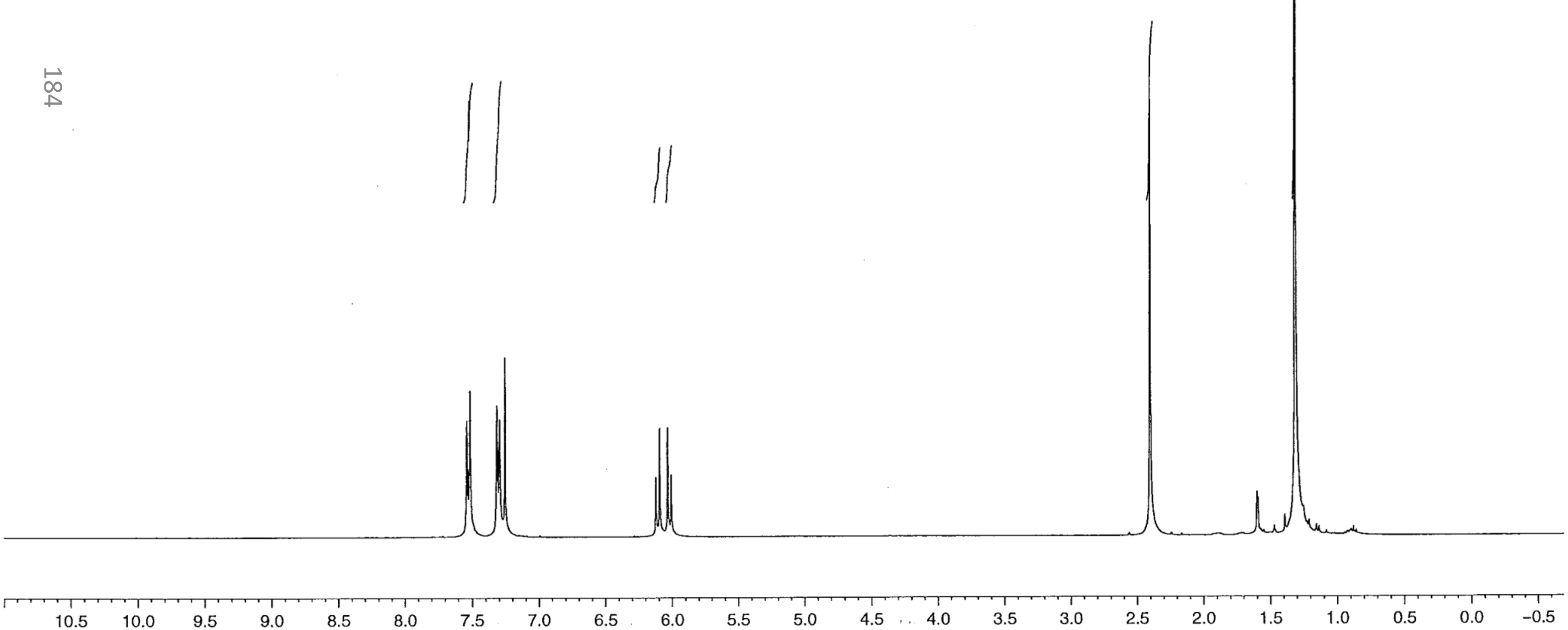
13C NMR: 100 MHz, CDCl3

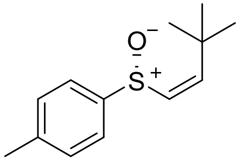




(*Z*)-**133** $C_{13}H_{18}OS$
(222.35)

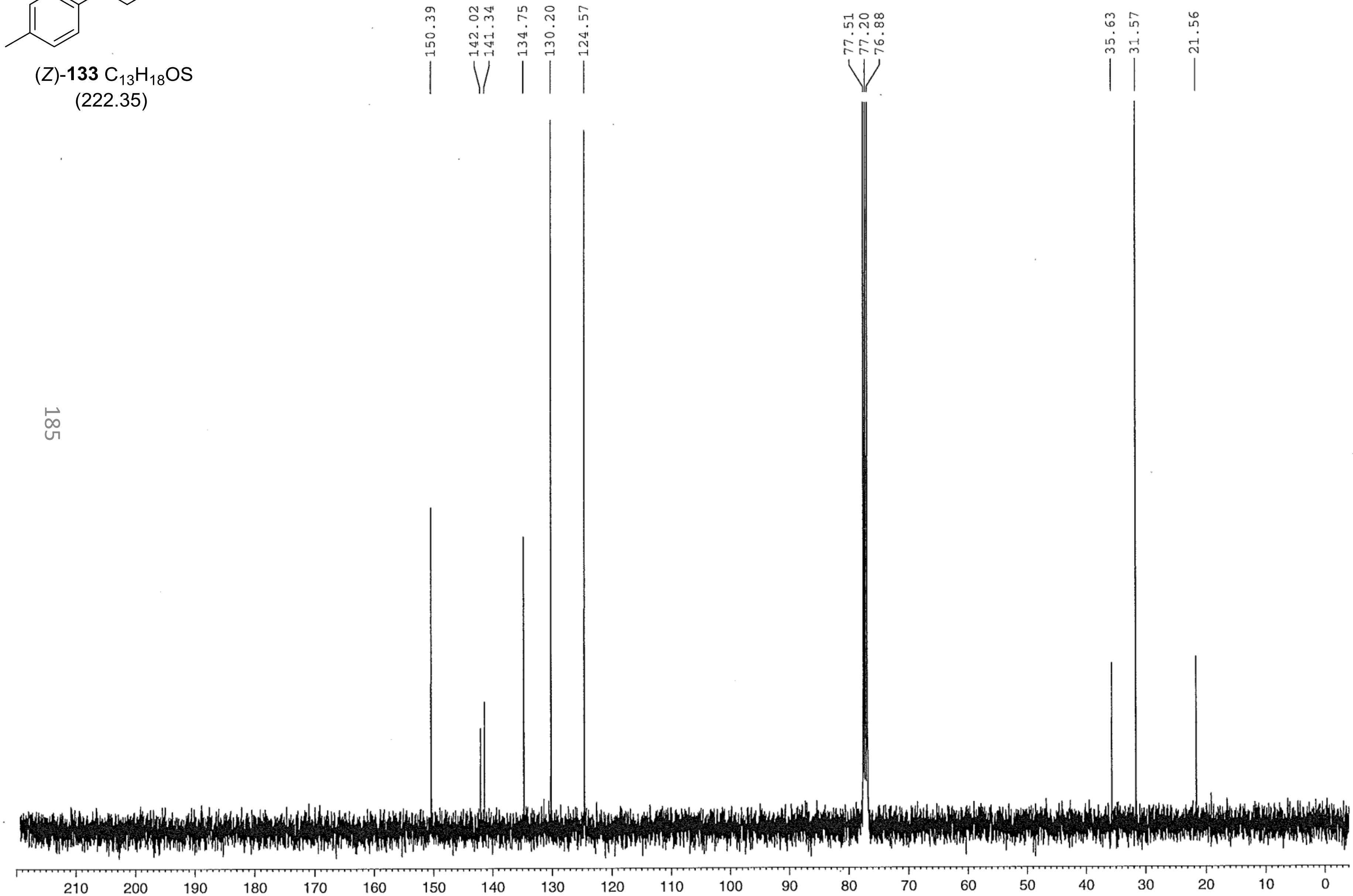
1H NMR : 400 MHz, CDCl3



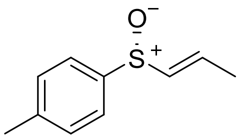


(*Z*)-**133** $C_{13}H_{18}OS$
(222.35)

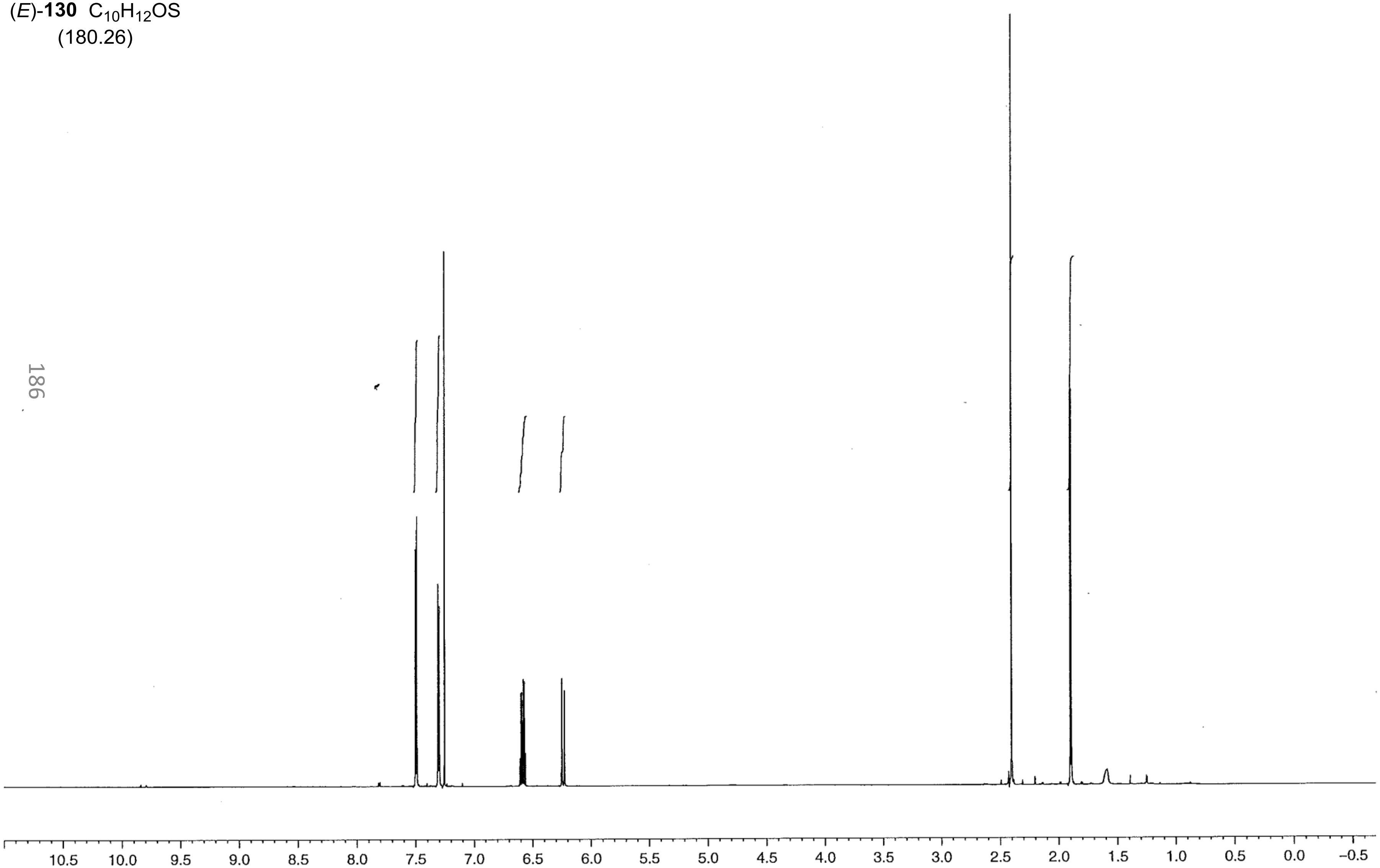
13C NMR: 100 MHz, CDCl3

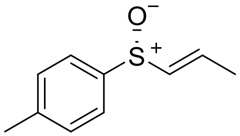


1H NMR : 700 MHz, CDCl3



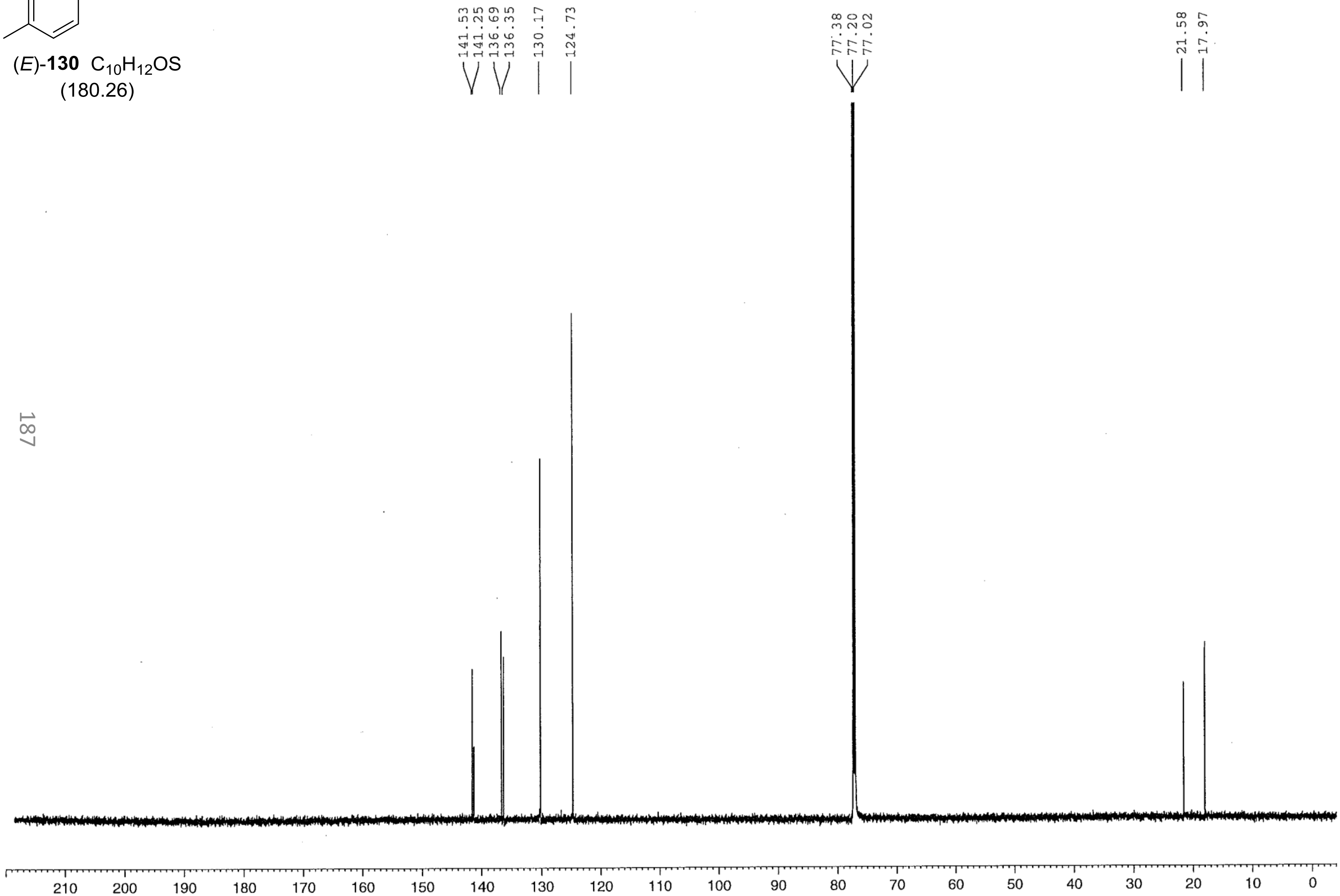
(*E*)-**130** $C_{10}H_{12}OS$
(180.26)



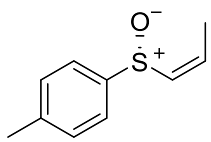


(*E*)-**130** $C_{10}H_{12}OS$
(180.26)

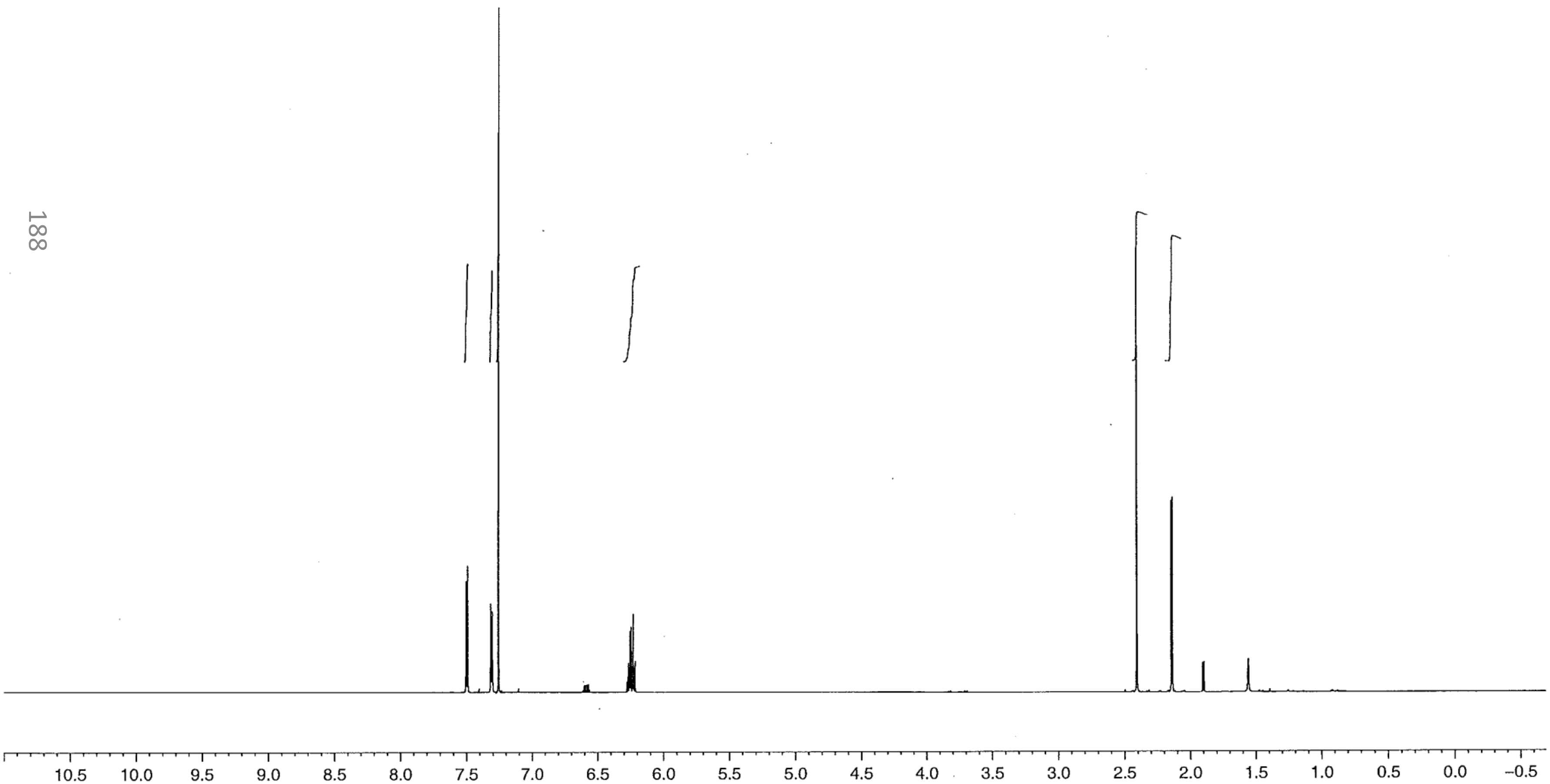
13C NMR: 175MHz, CDCl3

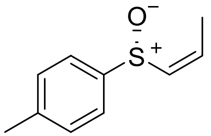


1H NMR : 700 MHz, CDCl3



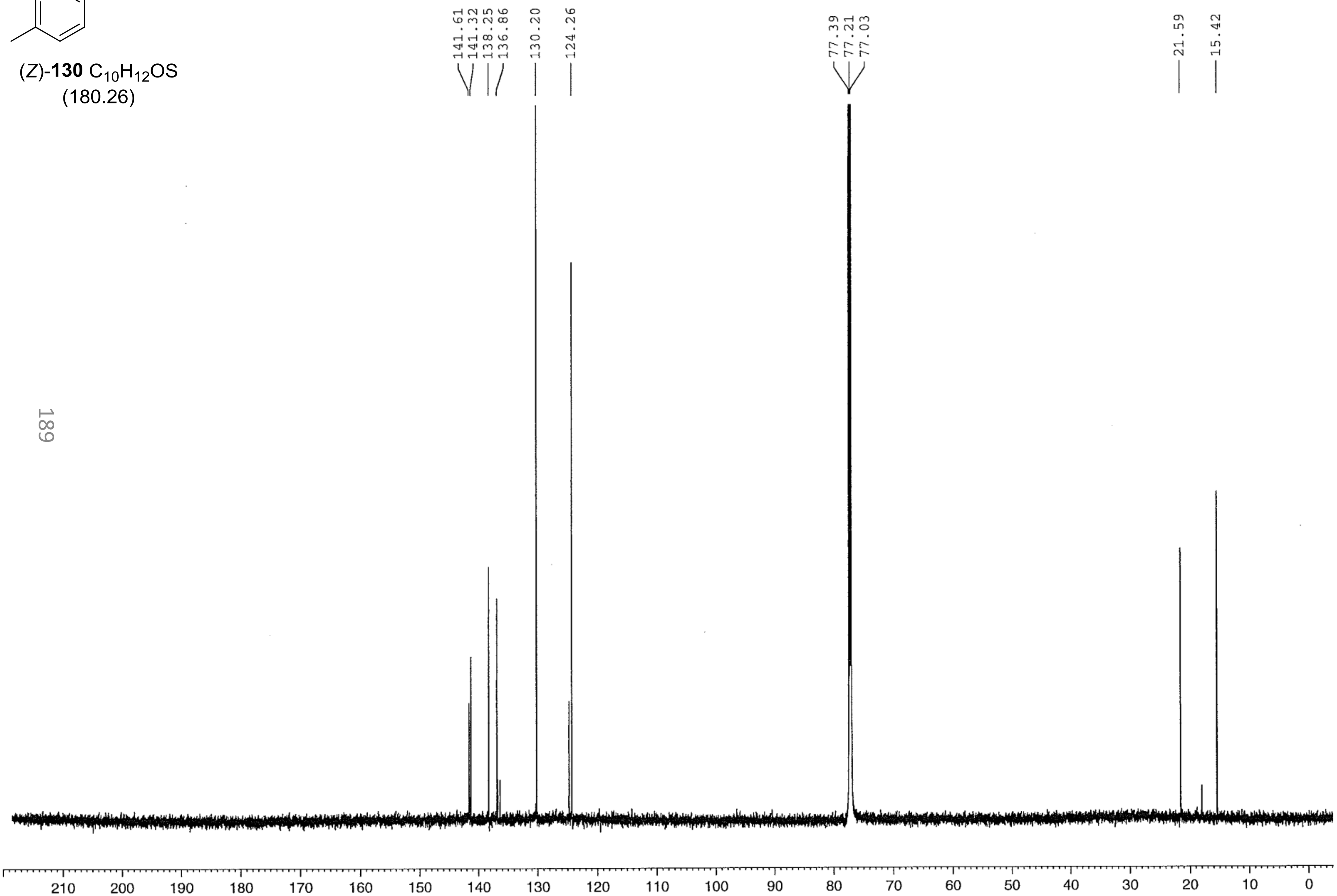
(*Z*)-**130** $C_{10}H_{12}OS$
(180.26)

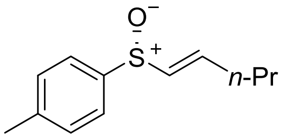




(*Z*)-**130** $C_{10}H_{12}OS$
(180.26)

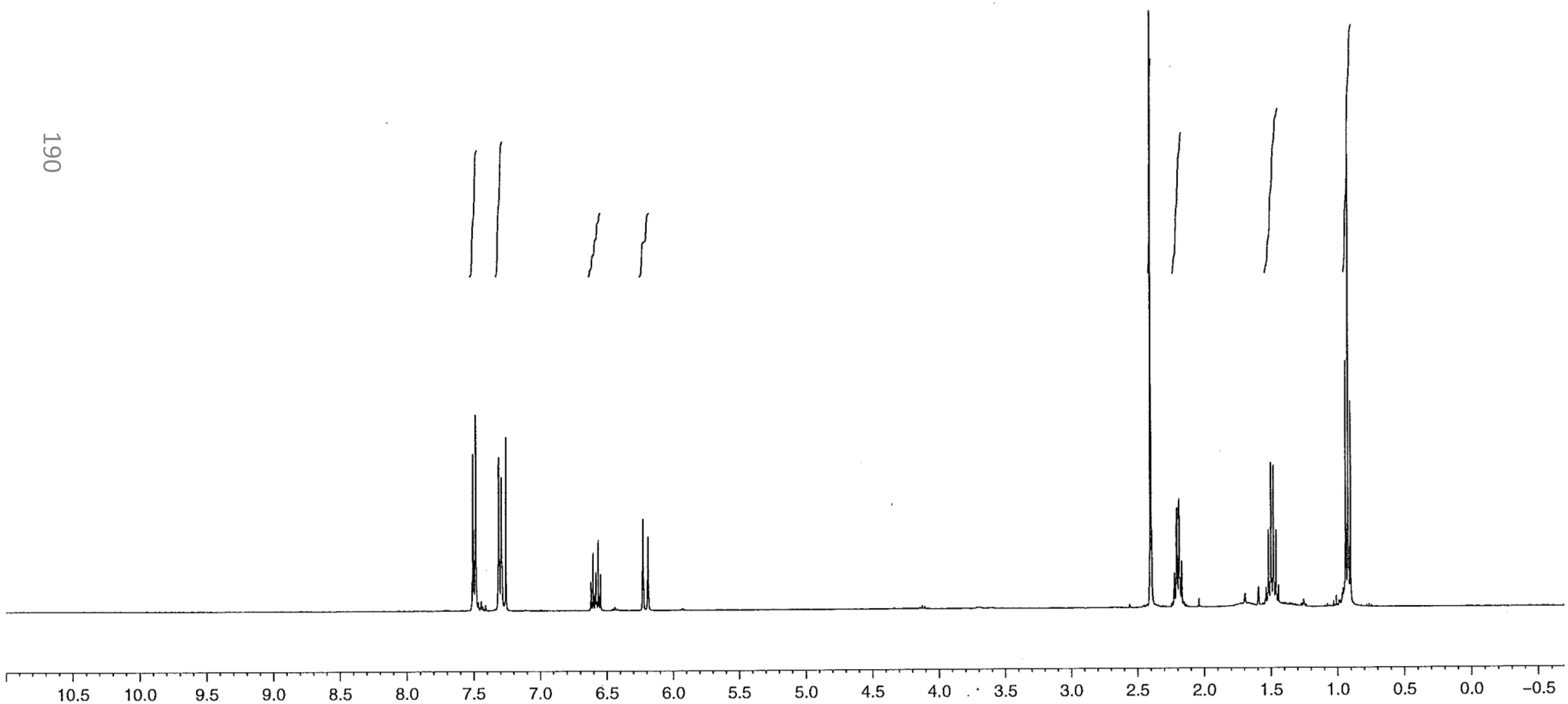
13C NMR: 175MHz, CDCl3

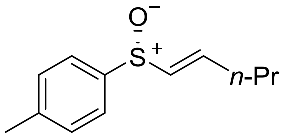




(E)-131 $C_{12}H_{16}OS$
(208.32)

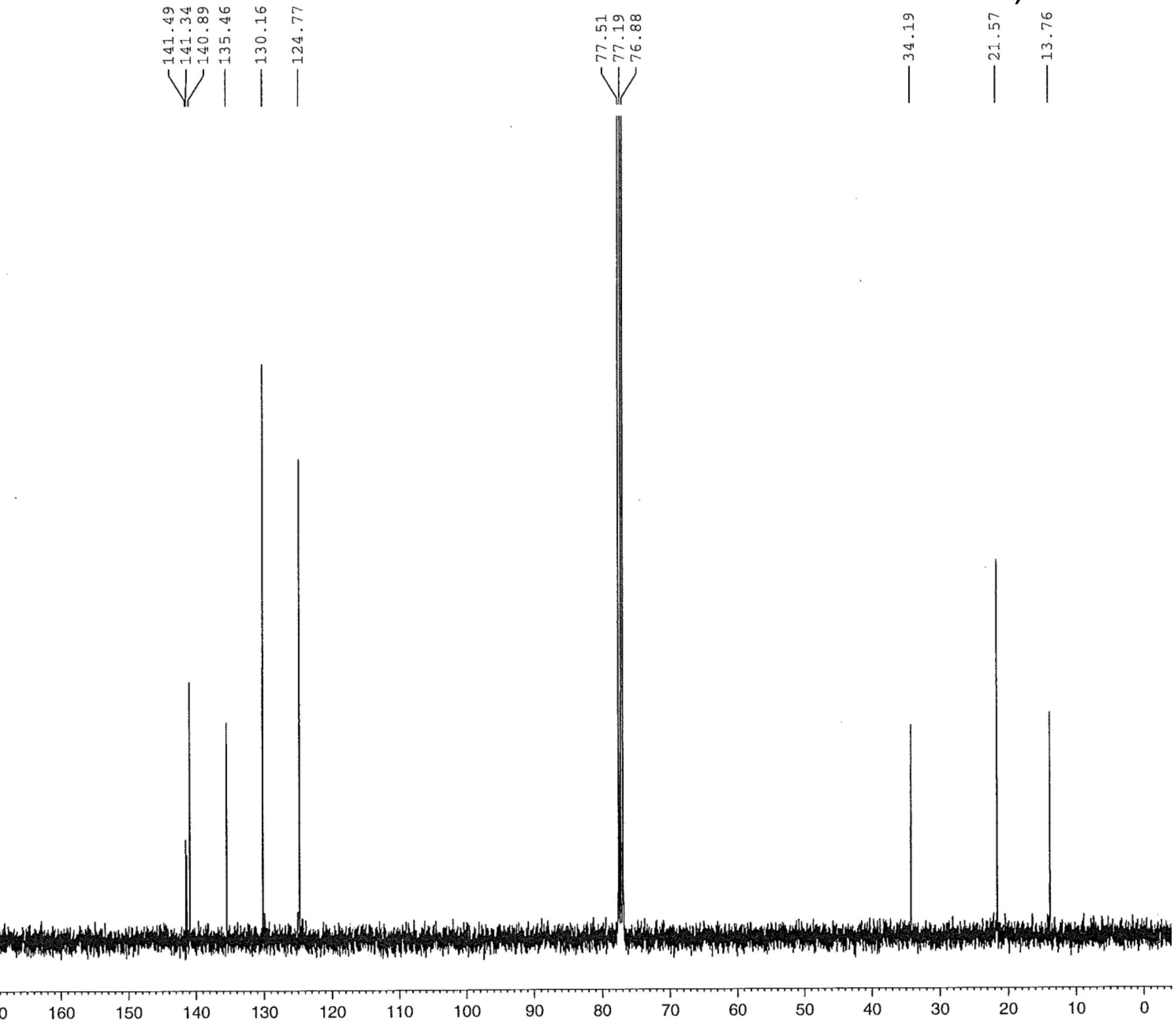
1H NMR : 400 MHz, CDCl3



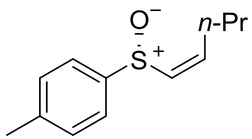


(E)-131 $C_{12}H_{16}OS$
(208.32)

13C NMR: 100 MHz, CDCl3

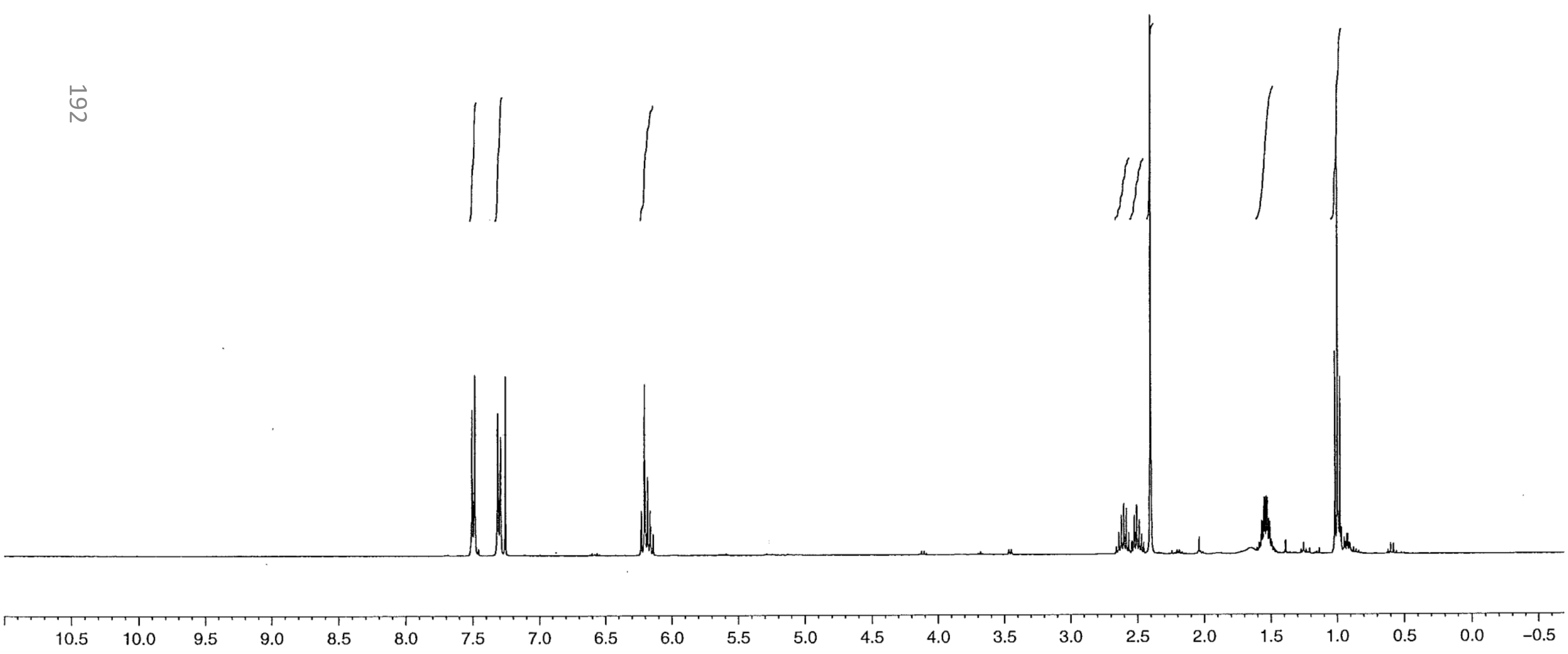


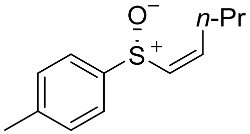
191



(*E*)-**131** $C_{12}H_{16}OS$
(208.32)

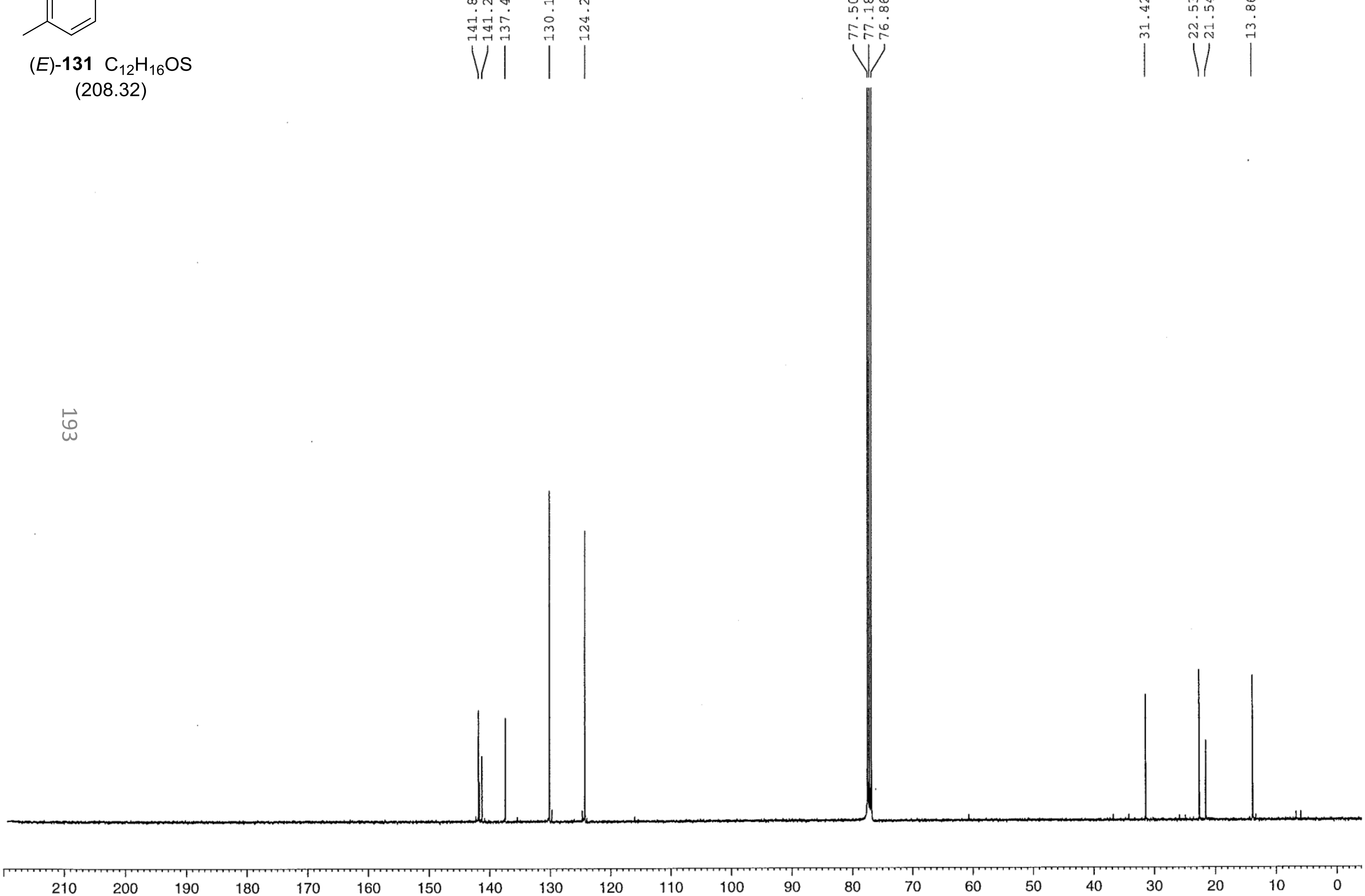
1H NMR: 400 MHz, CDCl3



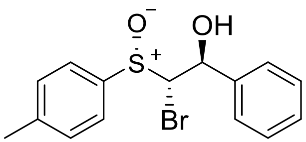


(*E*)-**131** $C_{12}H_{16}OS$
(208.32)

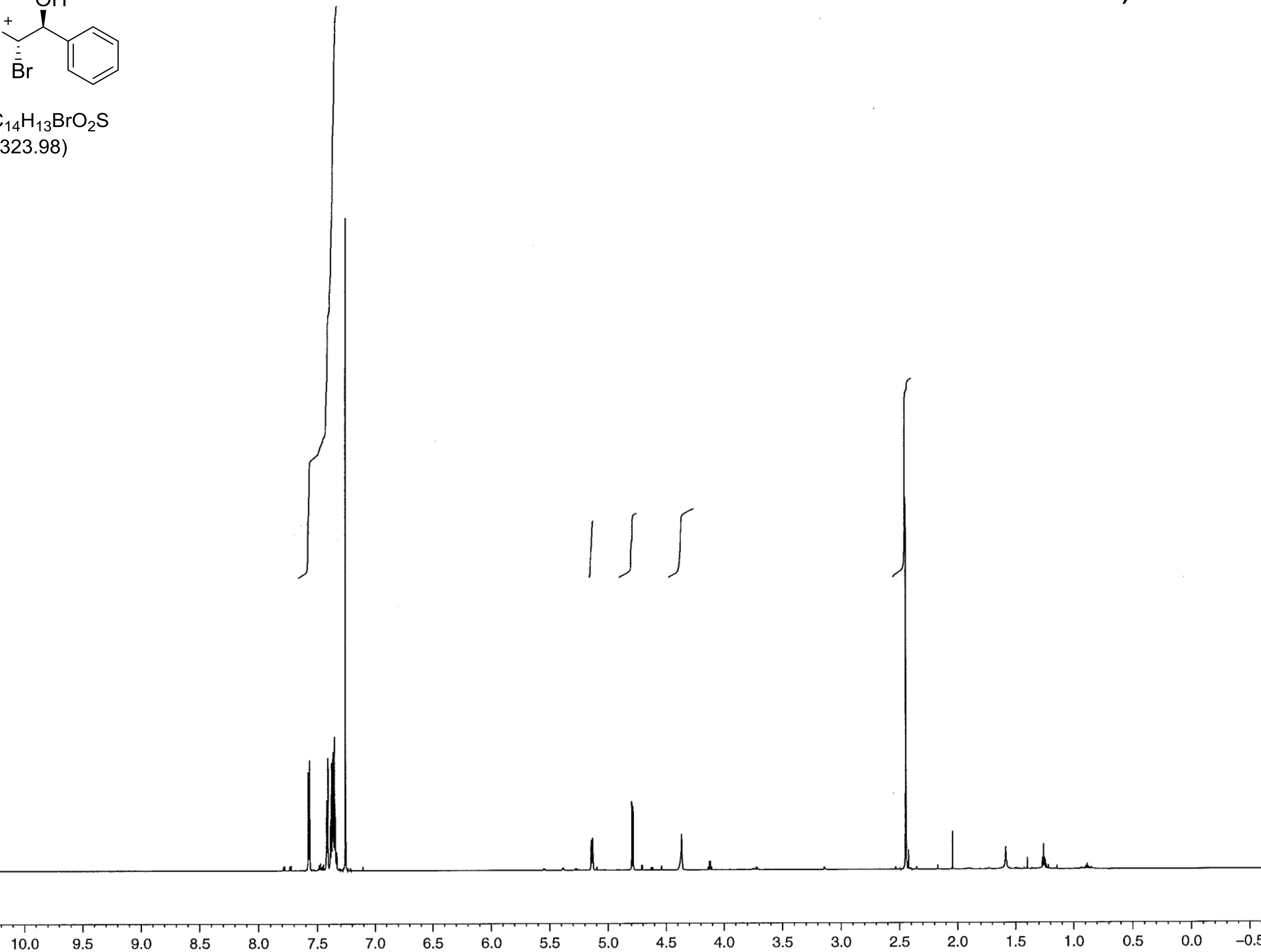
13C NMR: 100 MHz, CDCl3

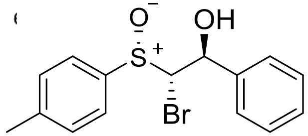


1H NMR: 700 MHz, CDCl3



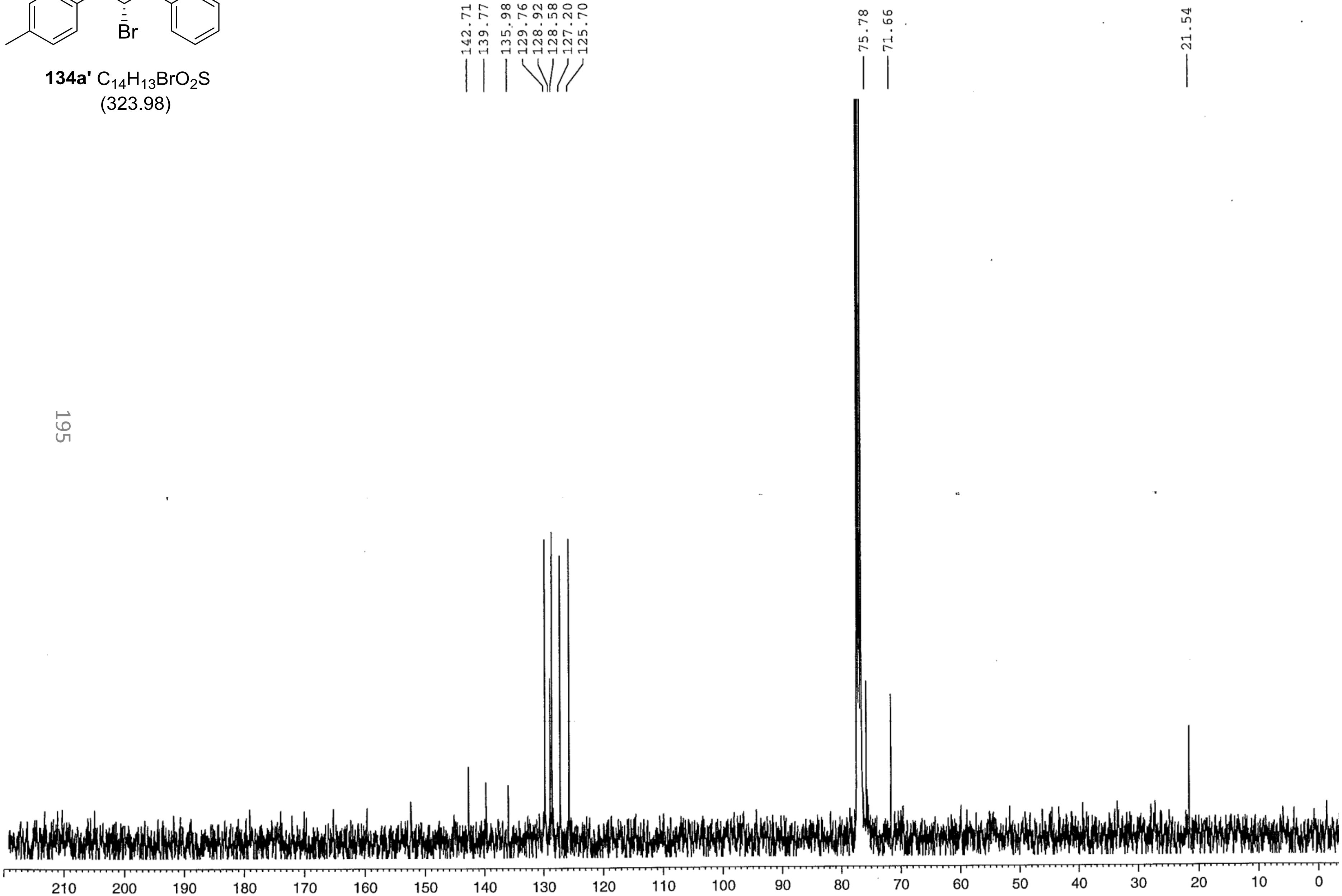
134a' $C_{14}H_{13}BrO_2S$
(323.98)

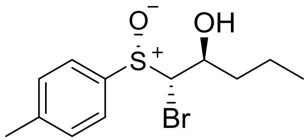




134a' $C_{14}H_{13}BrO_2S$
(323.98)

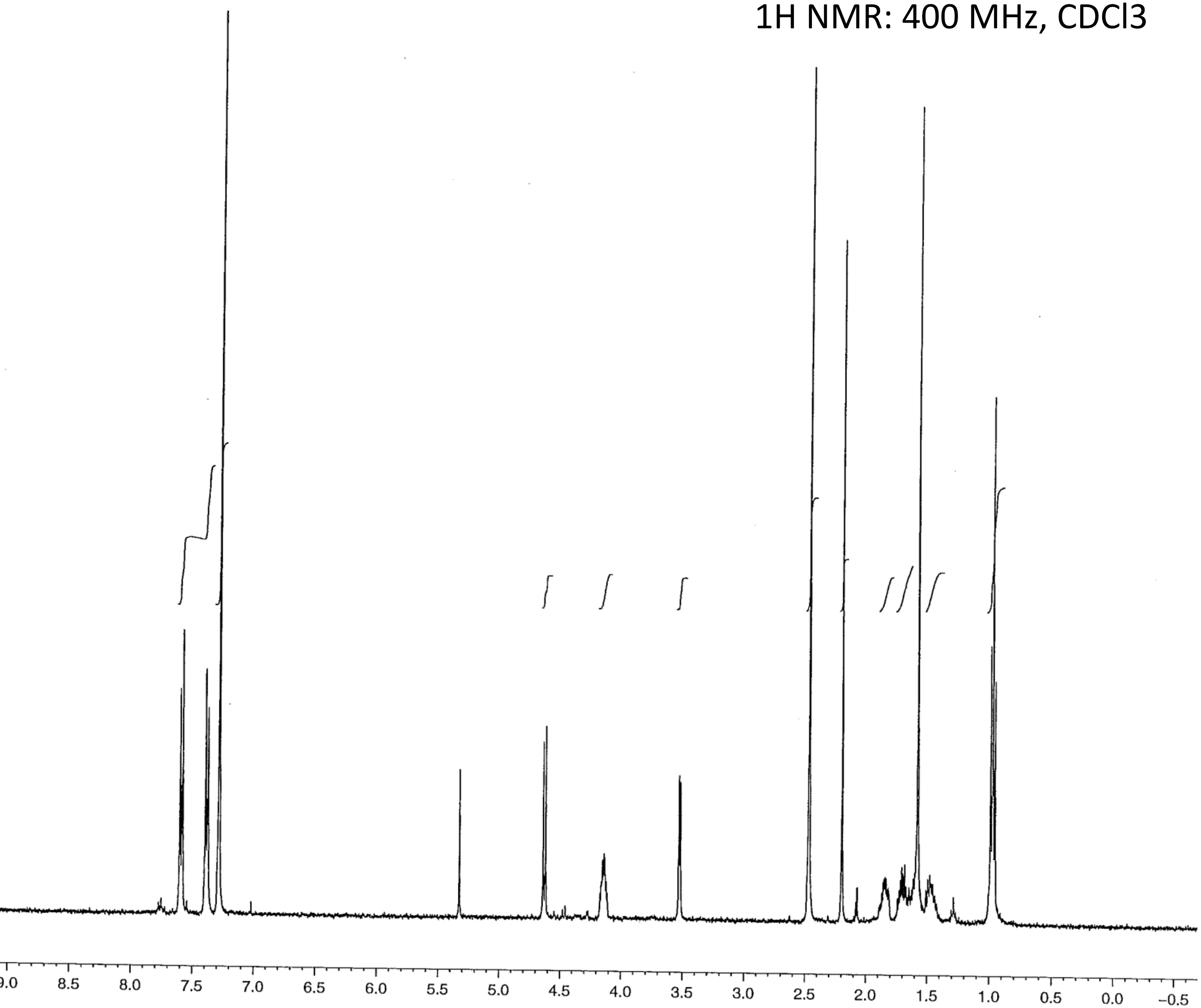
13C NMR: 100 MHz, CDCl3



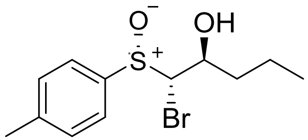


134a'' $C_{12}H_{17}BrO_2S$
(304.01)

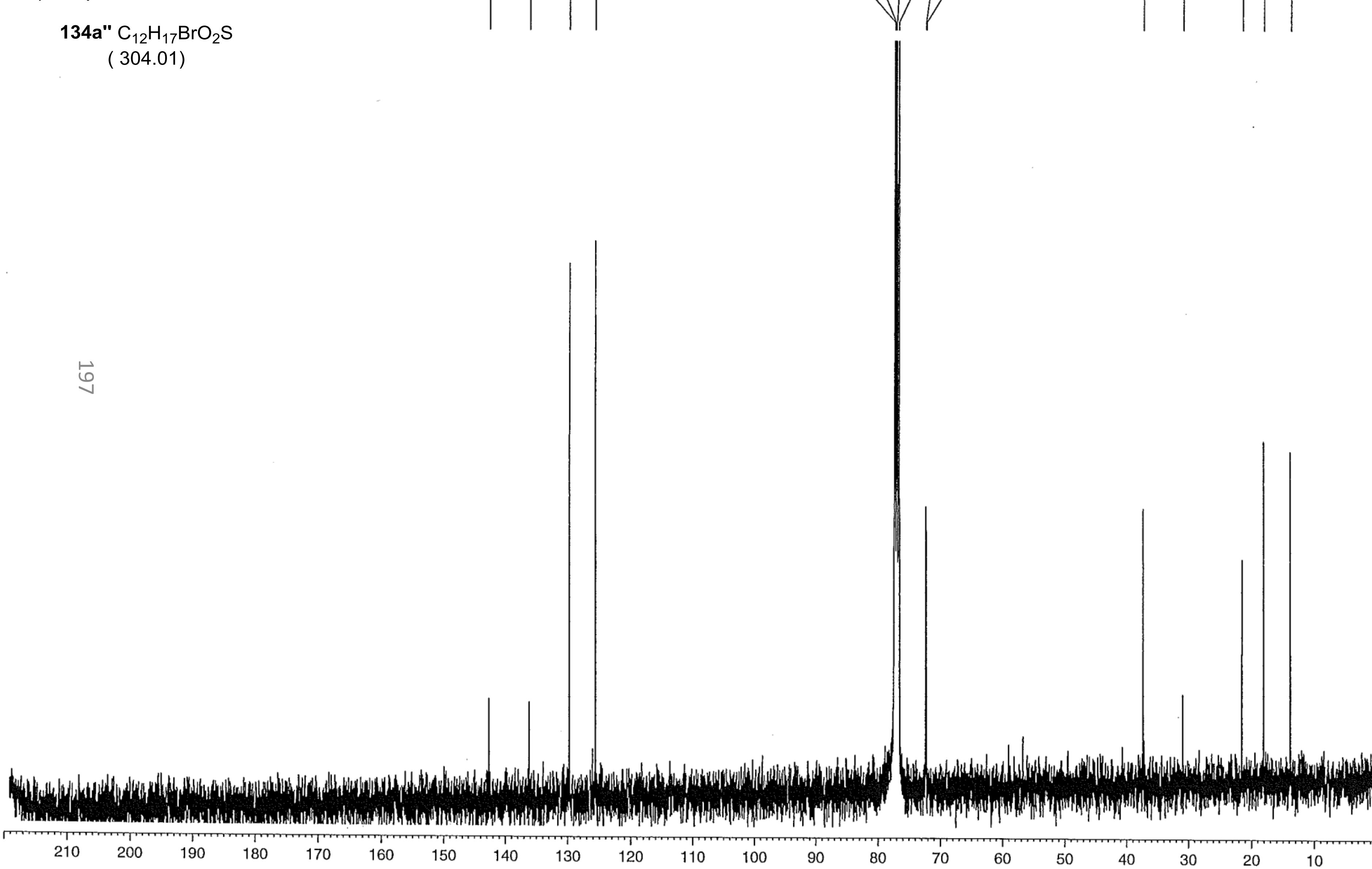
1H NMR: 400 MHz, CDCl3

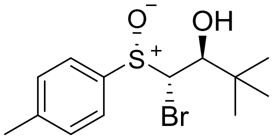


13C NMR: 100 MHz, CDCl3



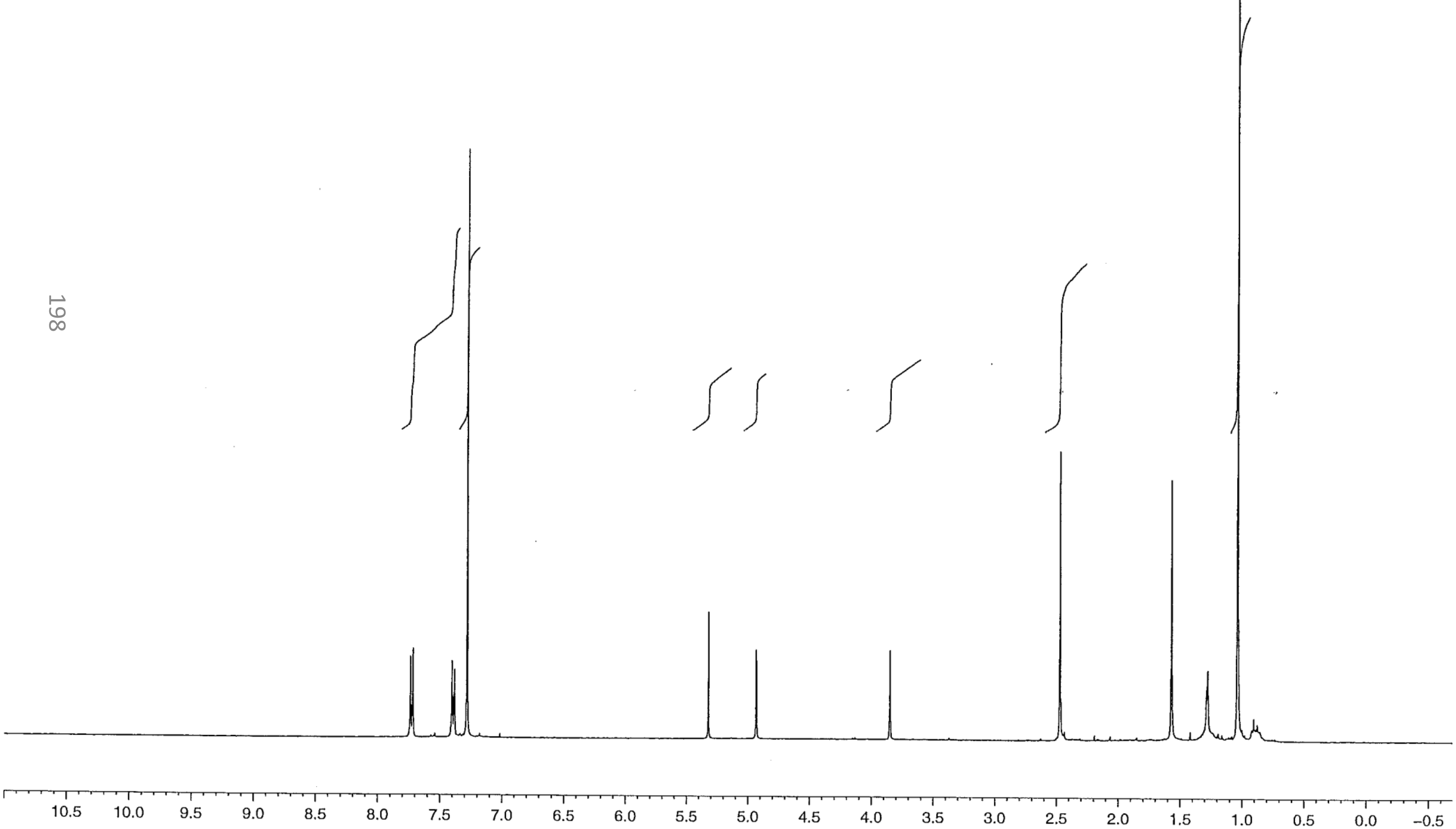
134a'' $C_{12}H_{17}BrO_2S$
(304.01)

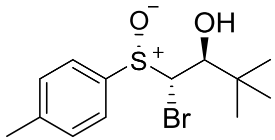




134a''' $C_{13}H_{19}BrO_2S$
(318.03)

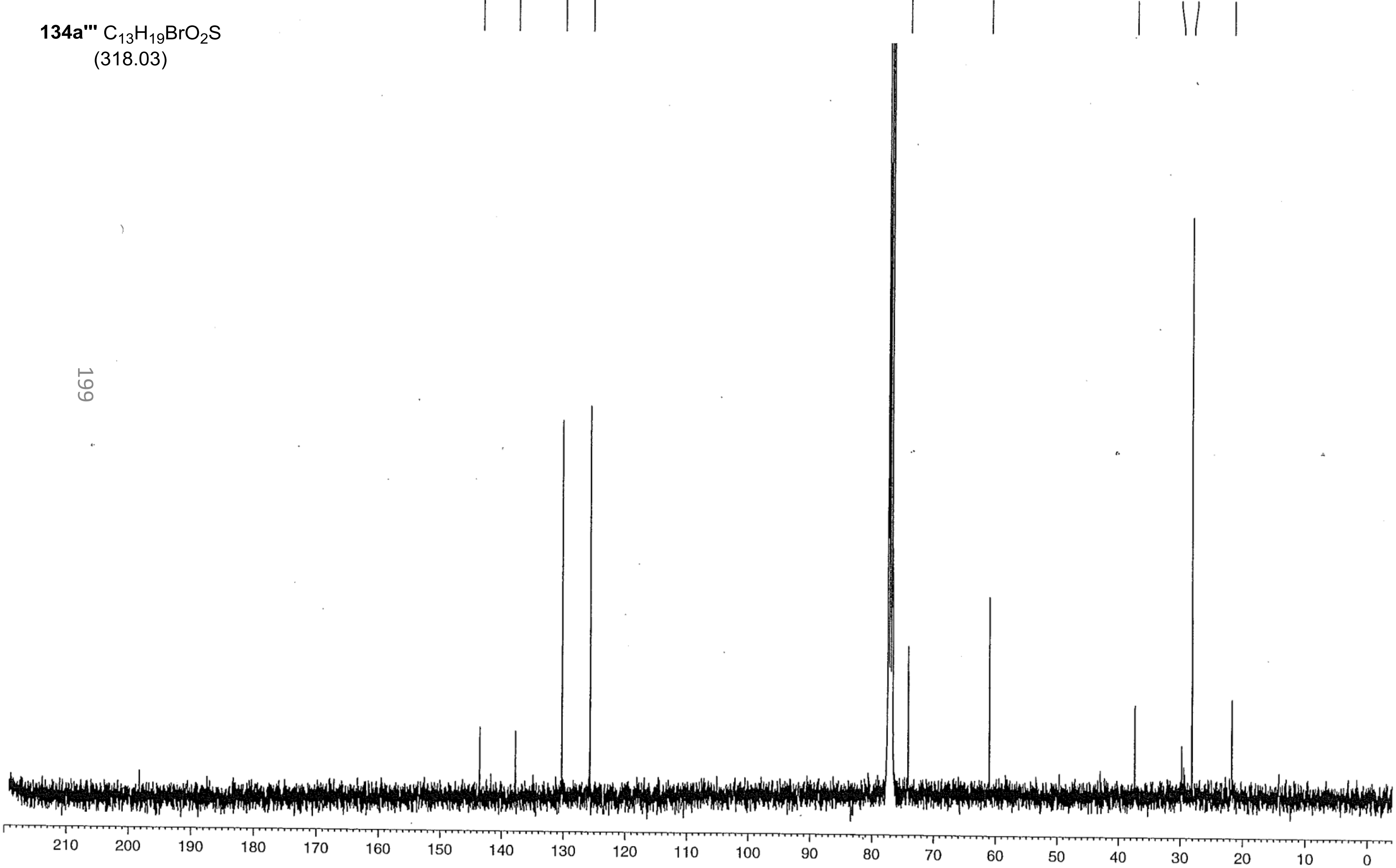
1H NMR: 400 MHz, CDCl3

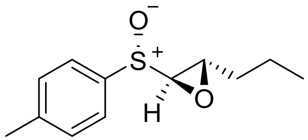




134a''' $C_{13}H_{19}BrO_2S$
(318.03)

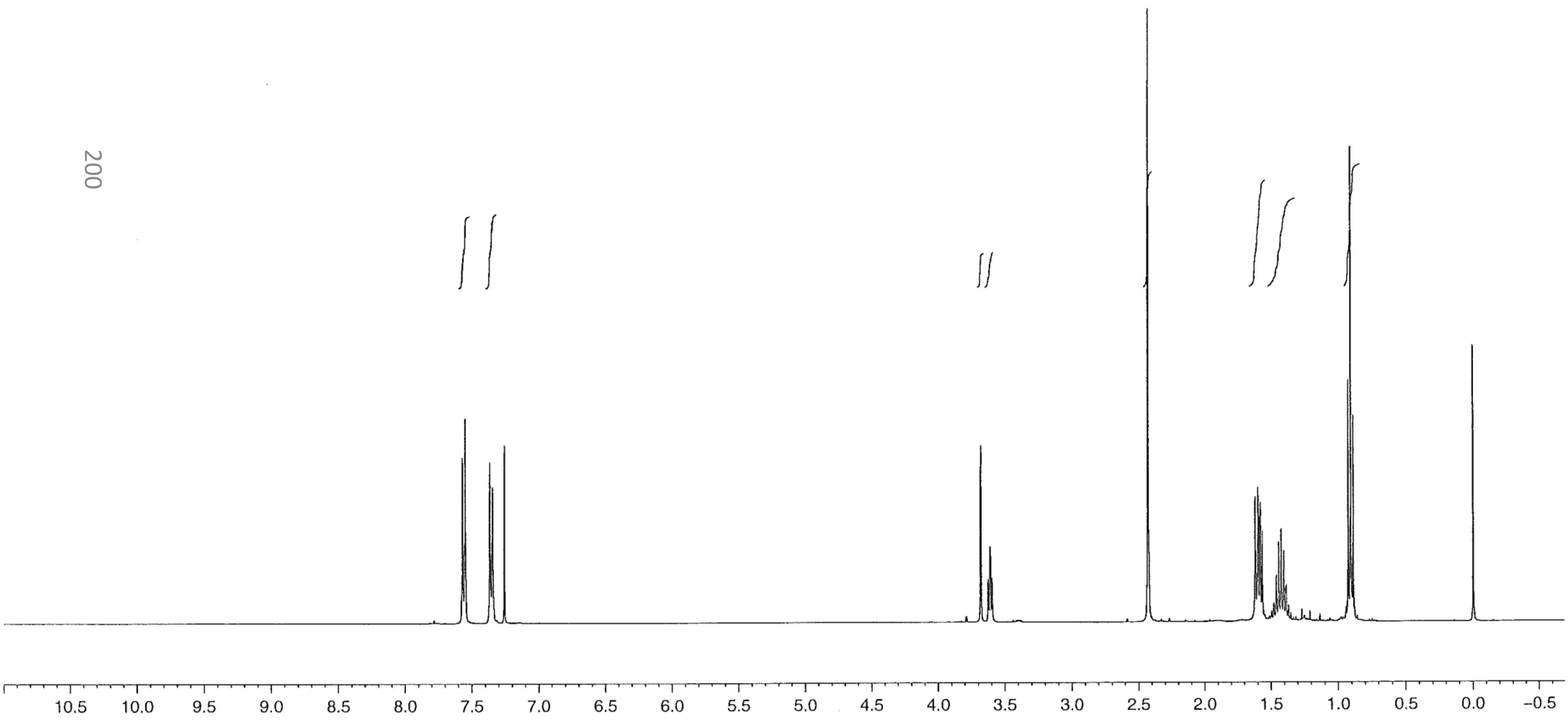
13C NMR: 100 MHz, CDCl3

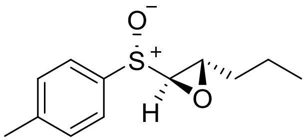




138t $C_{12}H_{16}O_2S$
(224.09)

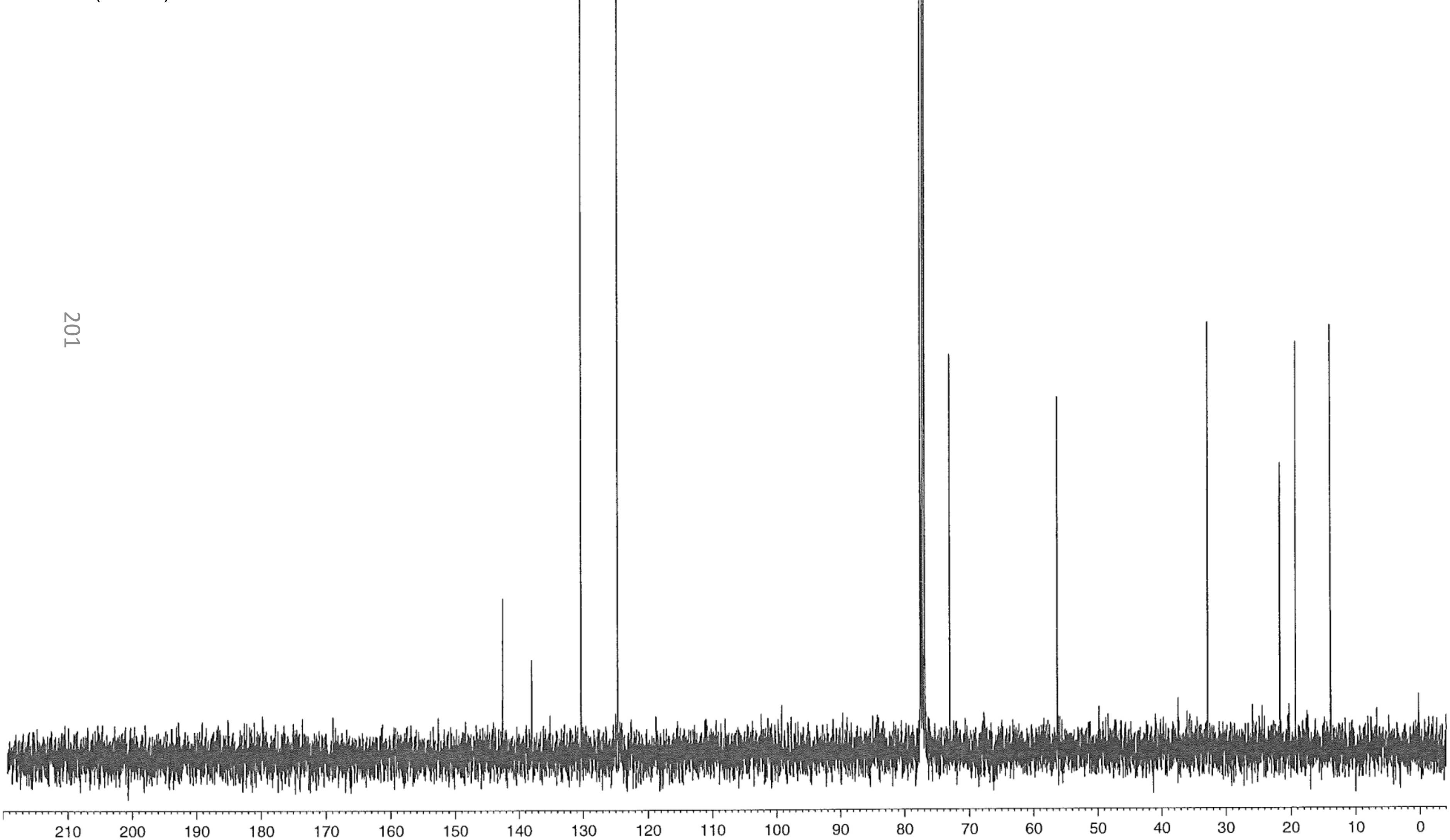
1H NMR: 400 MHz, CDCl3

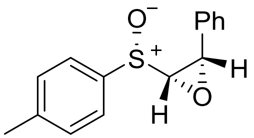




138t $C_{12}H_{16}O_2S$
(224.09)

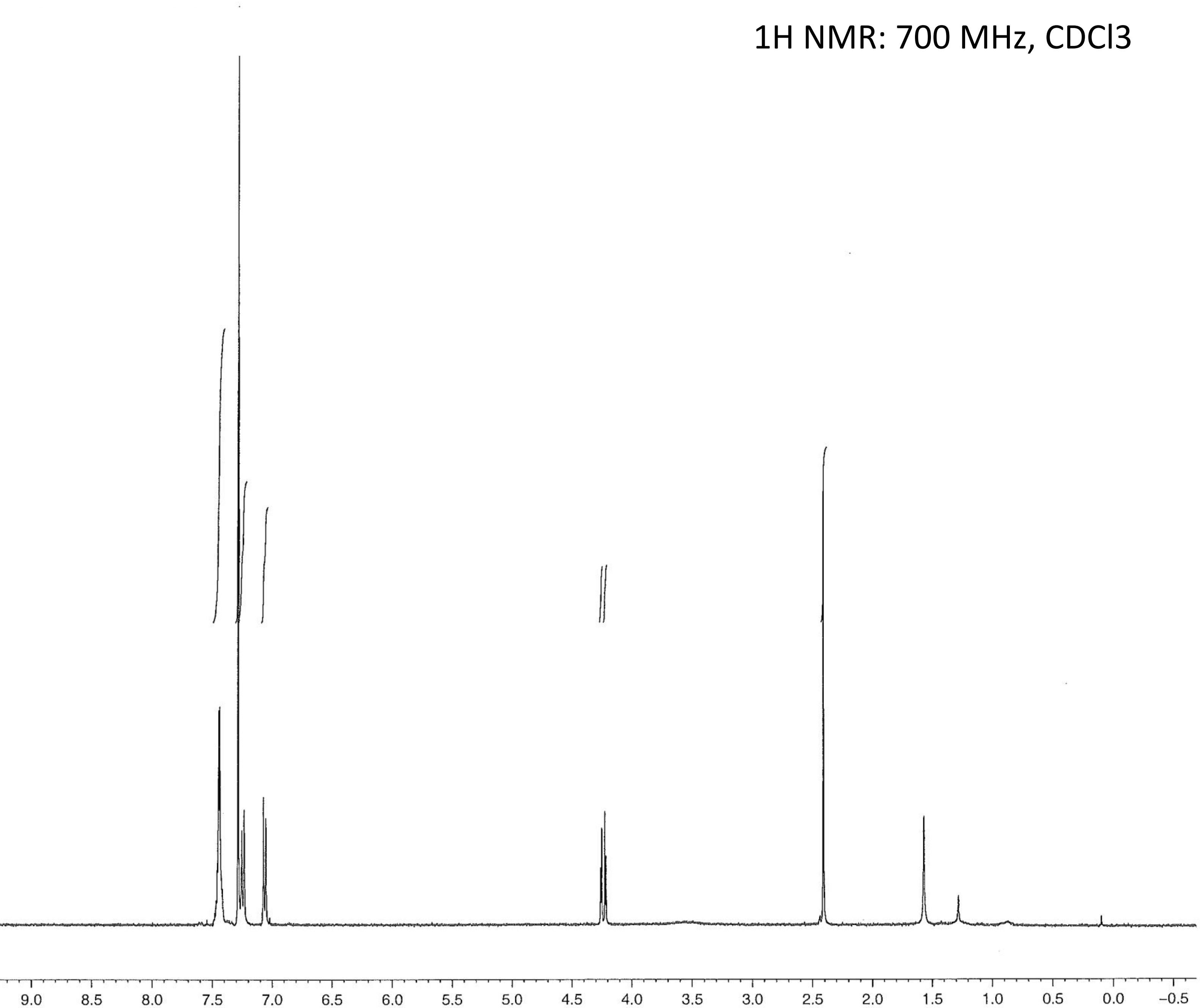
13C NMR: 100 MHz, CDCl3

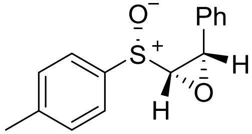




146c $C_{15}H_{14}O_2S$
(258.07)

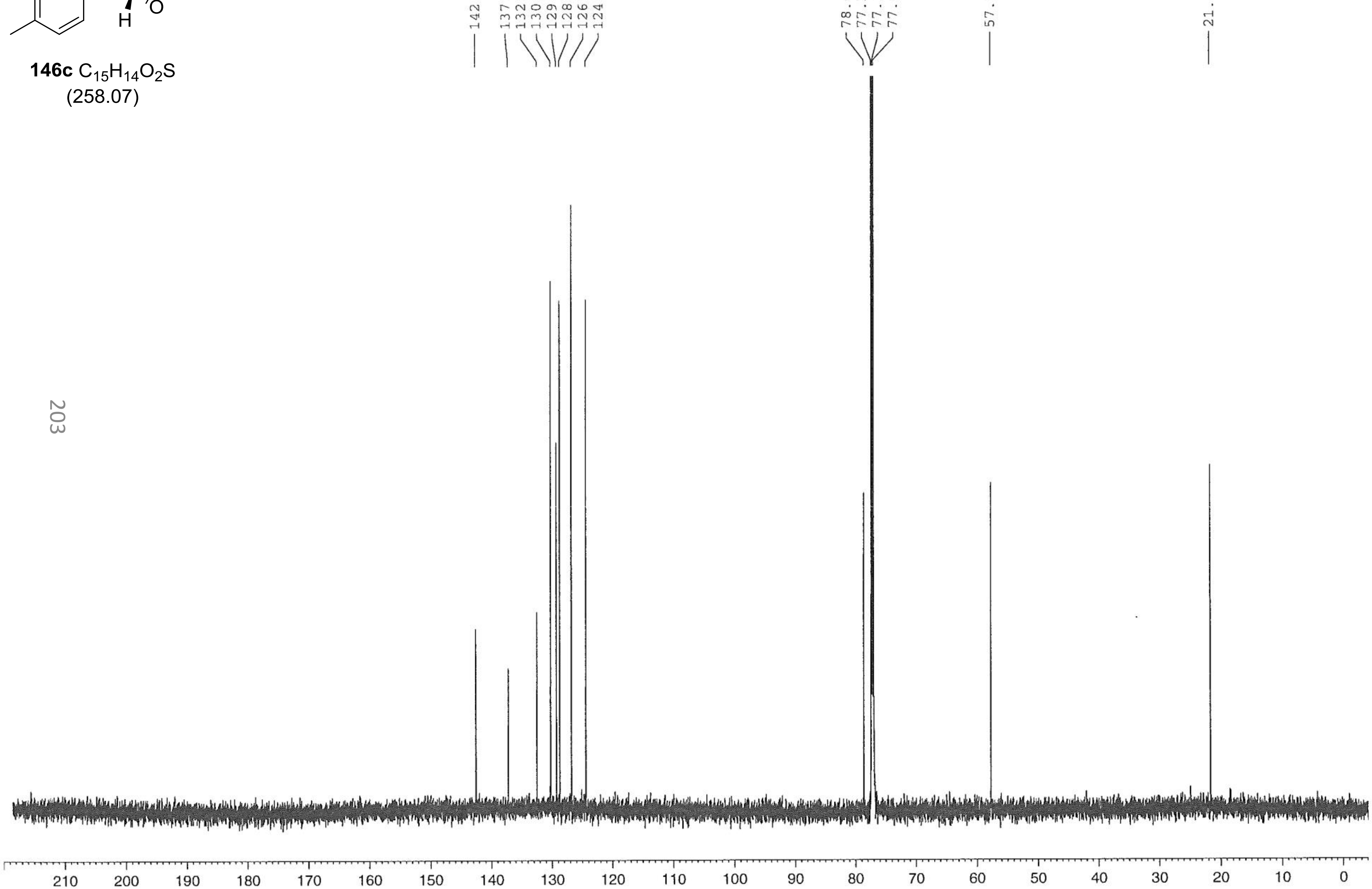
1H NMR: 700 MHz, CDCl3

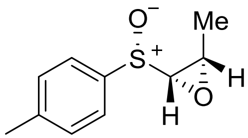




146c $C_{15}H_{14}O_2S$
(258.07)

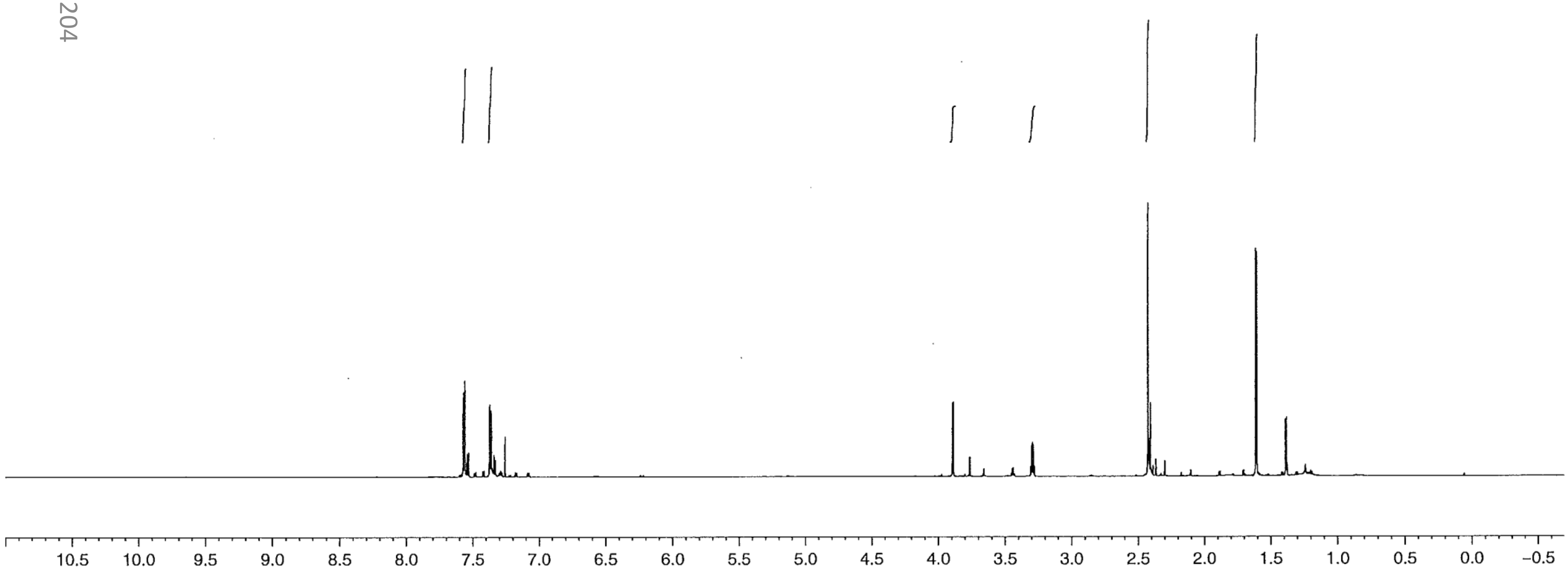
13C NMR: 175 MHz, CDCl3

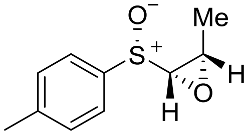




144c 86% $C_{10}H_{12}O_2S$
(196.06)

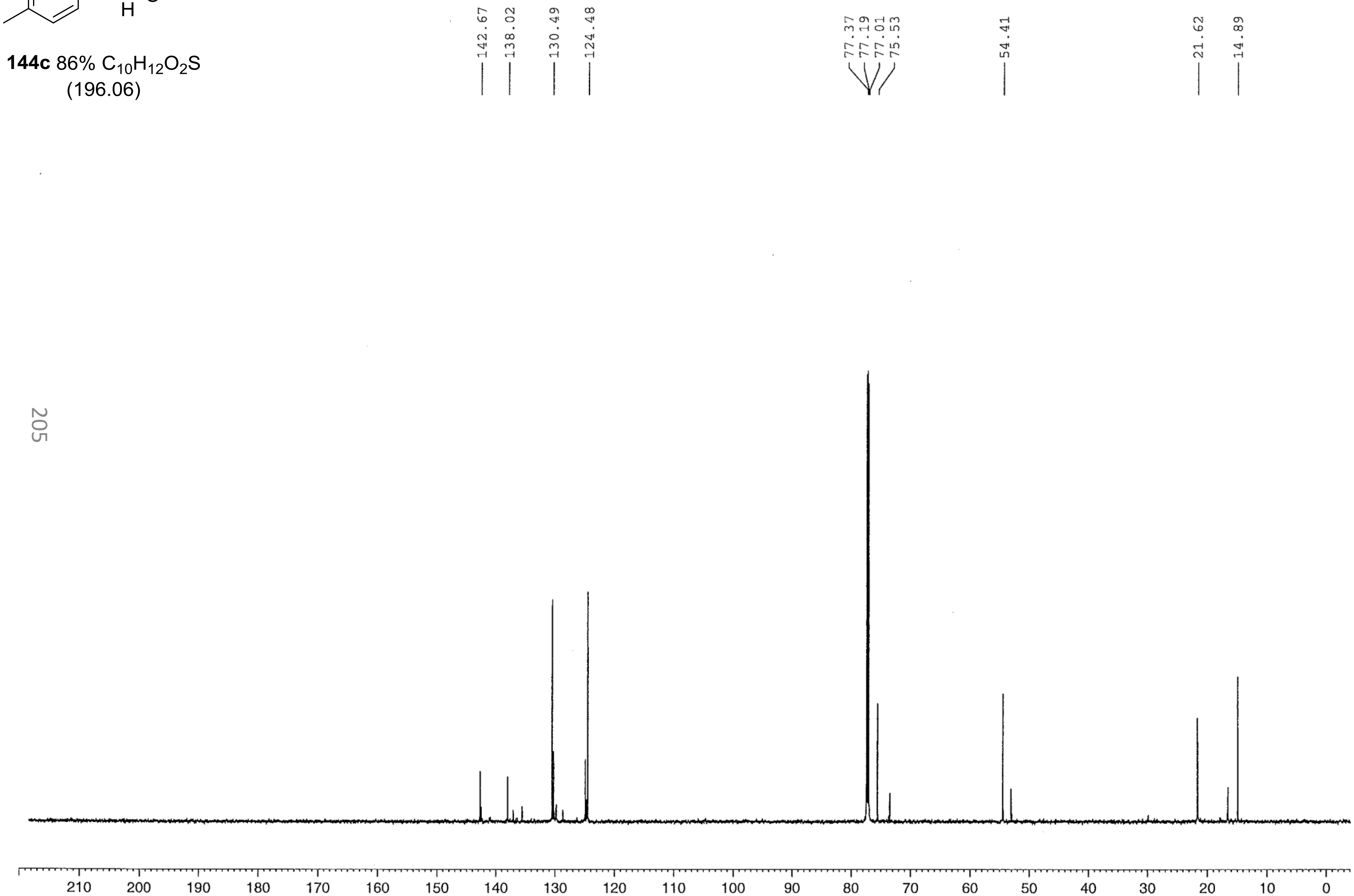
1H NMR: 700 MHz, CDCl3

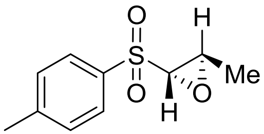




144c 86% $C_{10}H_{12}O_2S$
(196.06)

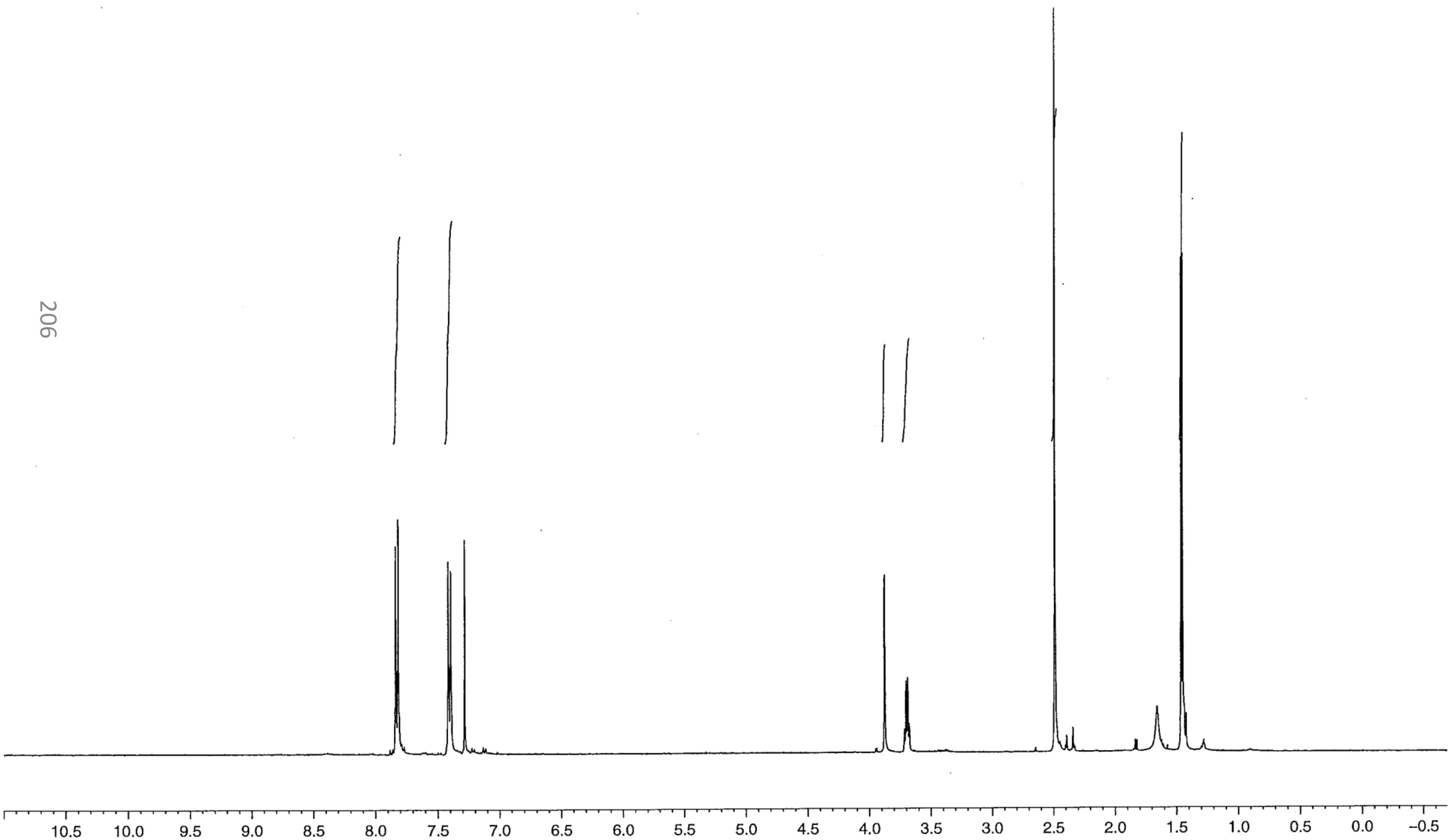
13C NMR: 175 MHz, CDCl3

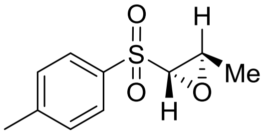




143t' $C_{10}H_{12}O_3S$
(212.05)

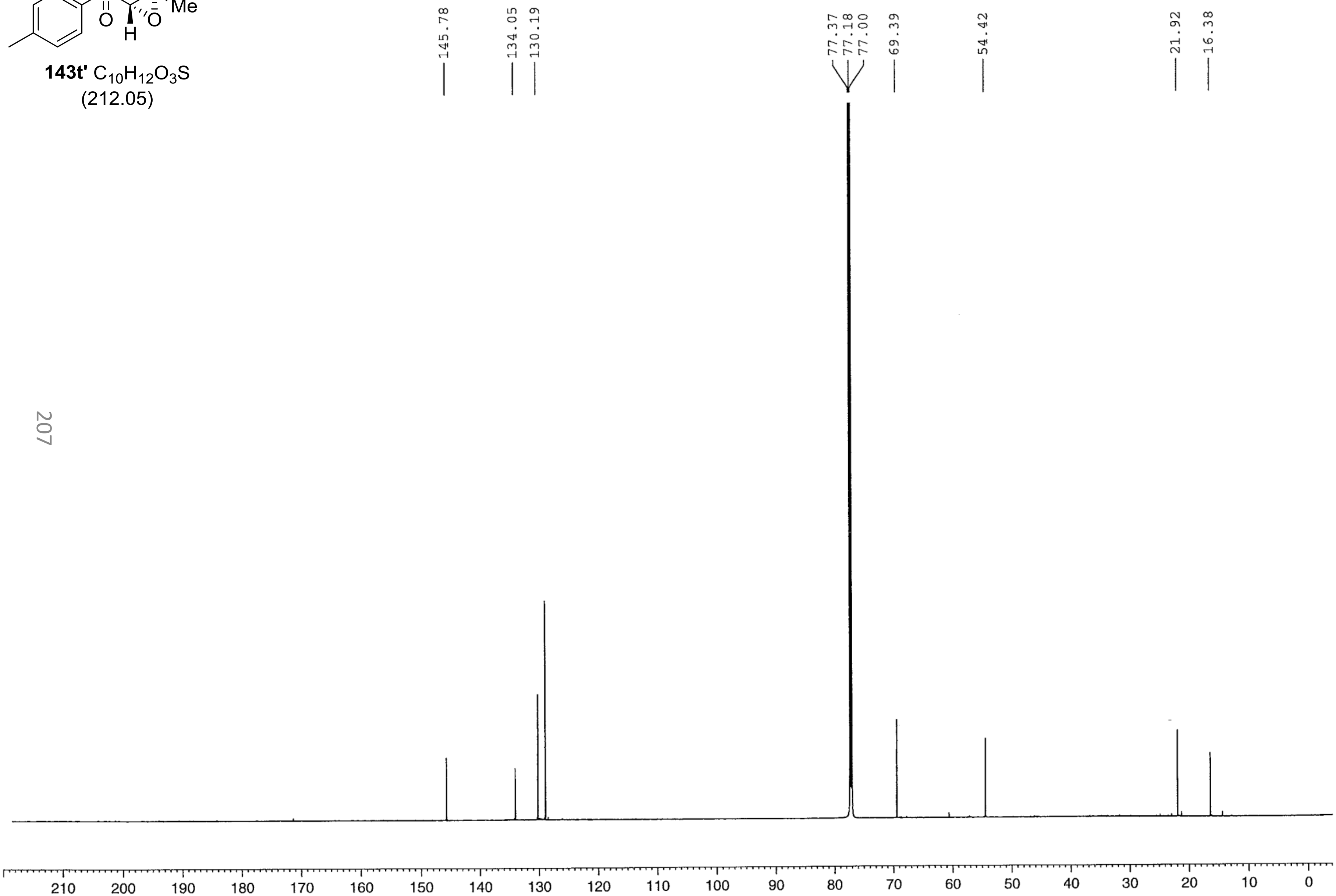
1H NMR: 700 MHz, CDCl3



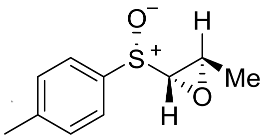


143t' $C_{10}H_{12}O_3S$
(212.05)

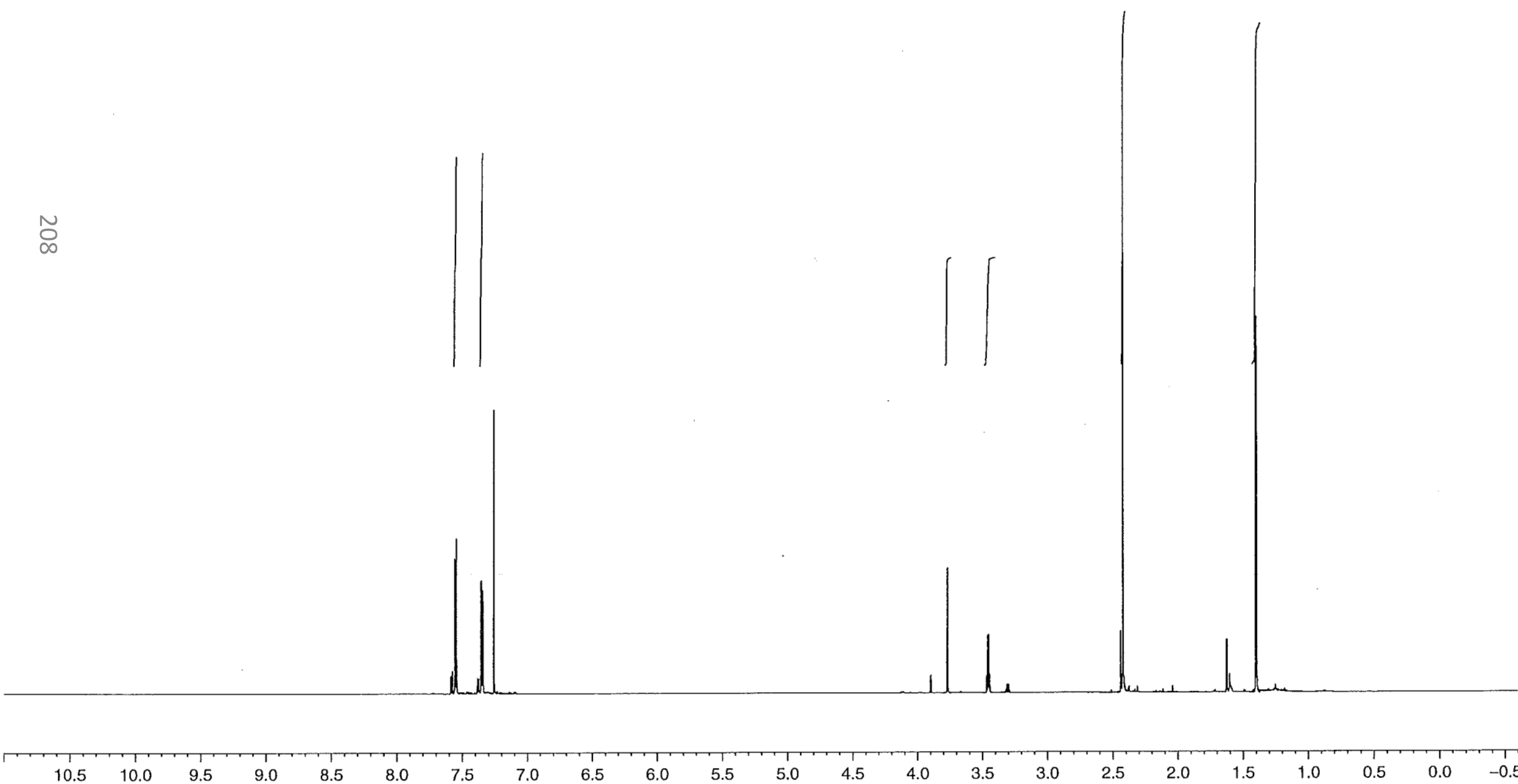
13C NMR: 175 MHz, CDCl3

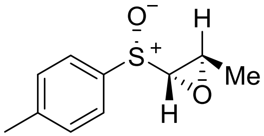


1H NMR: 700 MHz, CDCl3



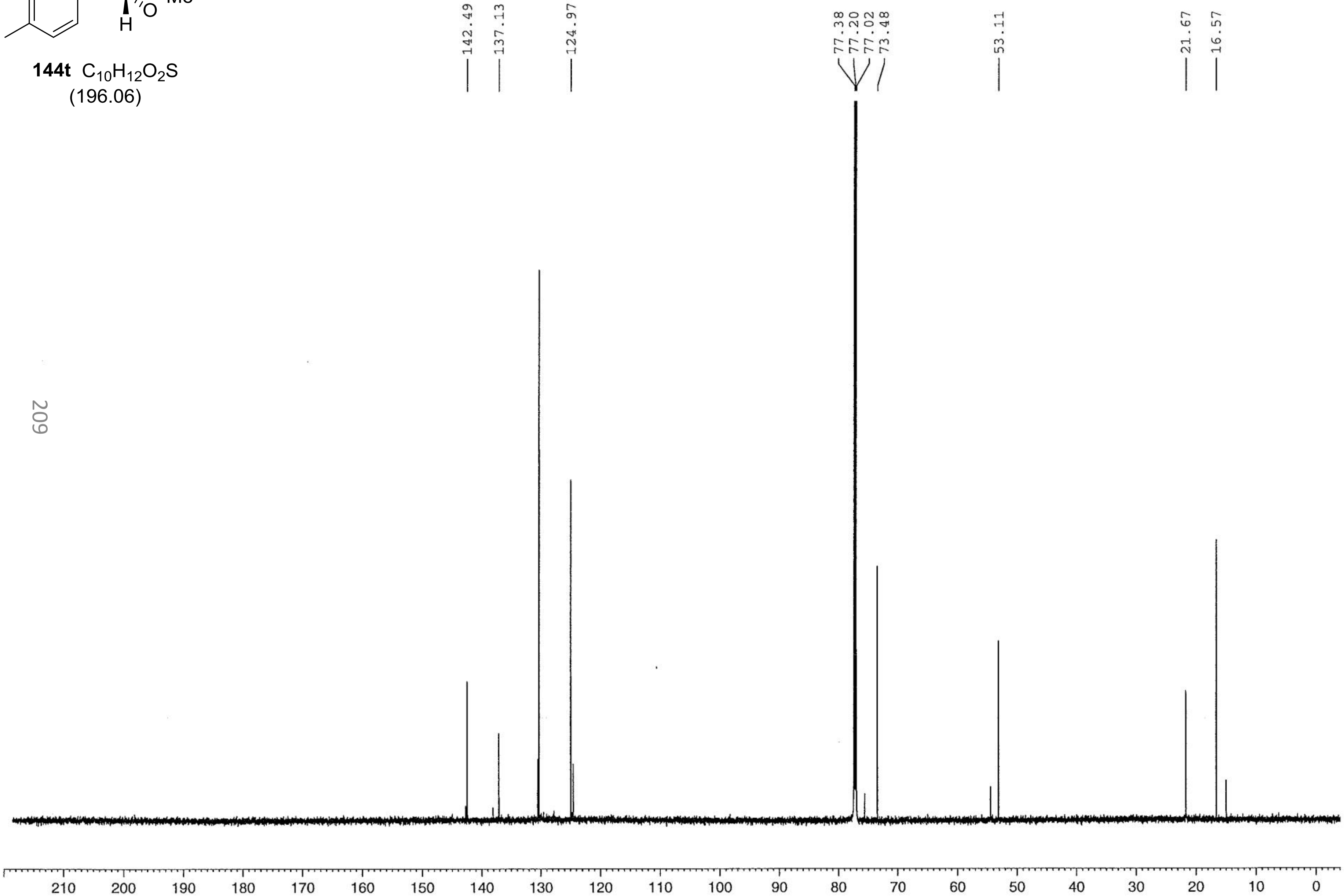
144t $C_{10}H_{12}O_2S$
(196.06)

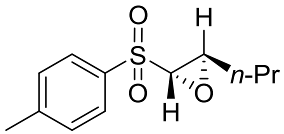




144t $C_{10}H_{12}O_2S$
(196.06)

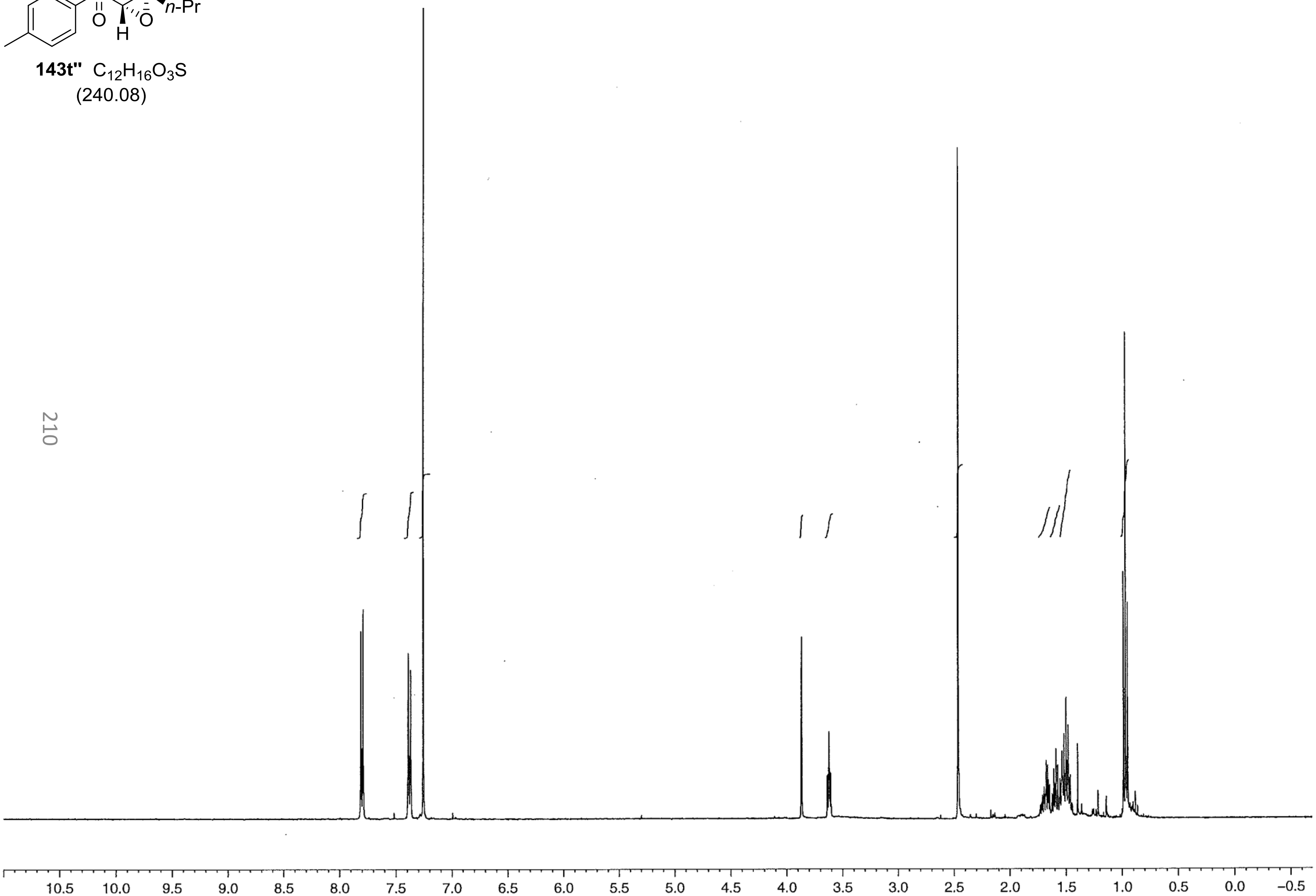
1H NMR: 700 MHz, CDCl3



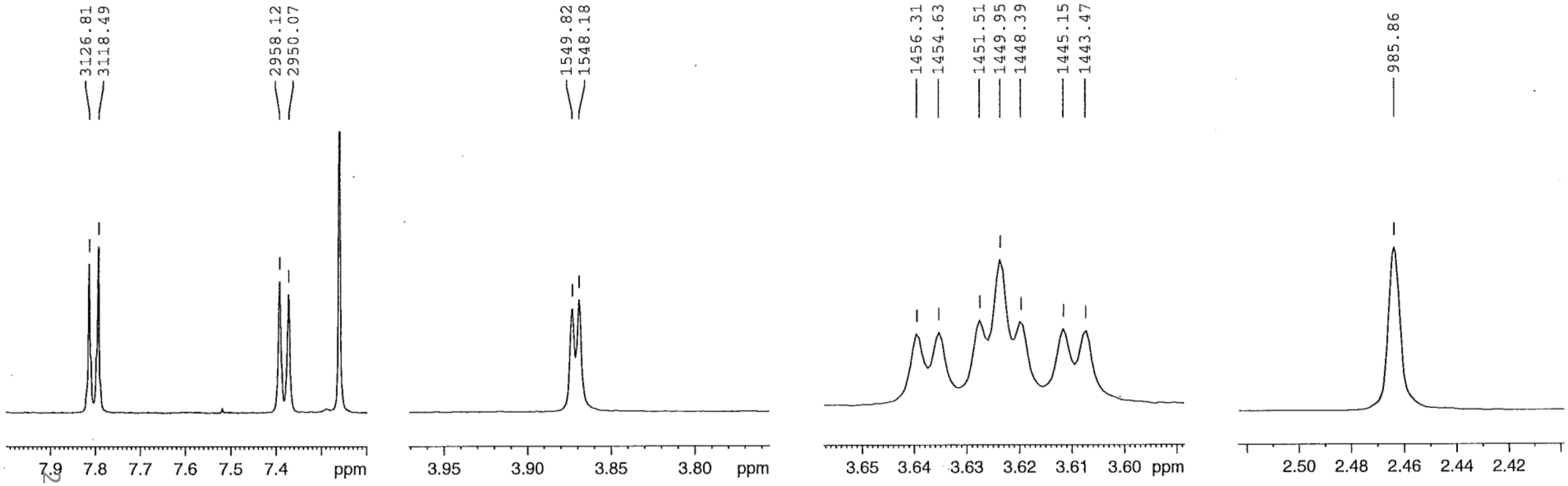


143t'' $C_{12}H_{16}O_3S$
(240.08)

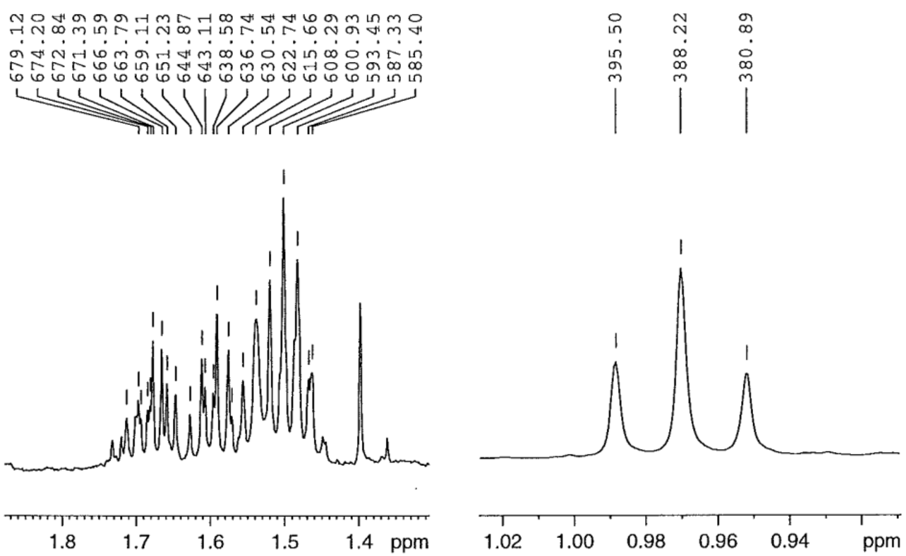
1H NMR: 400 MHz, CDCl3

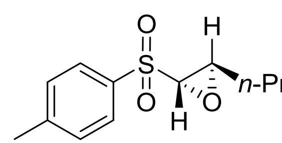


1H NMR: 400 MHz, CDCl3

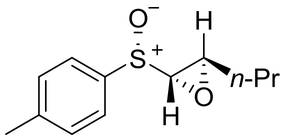


211



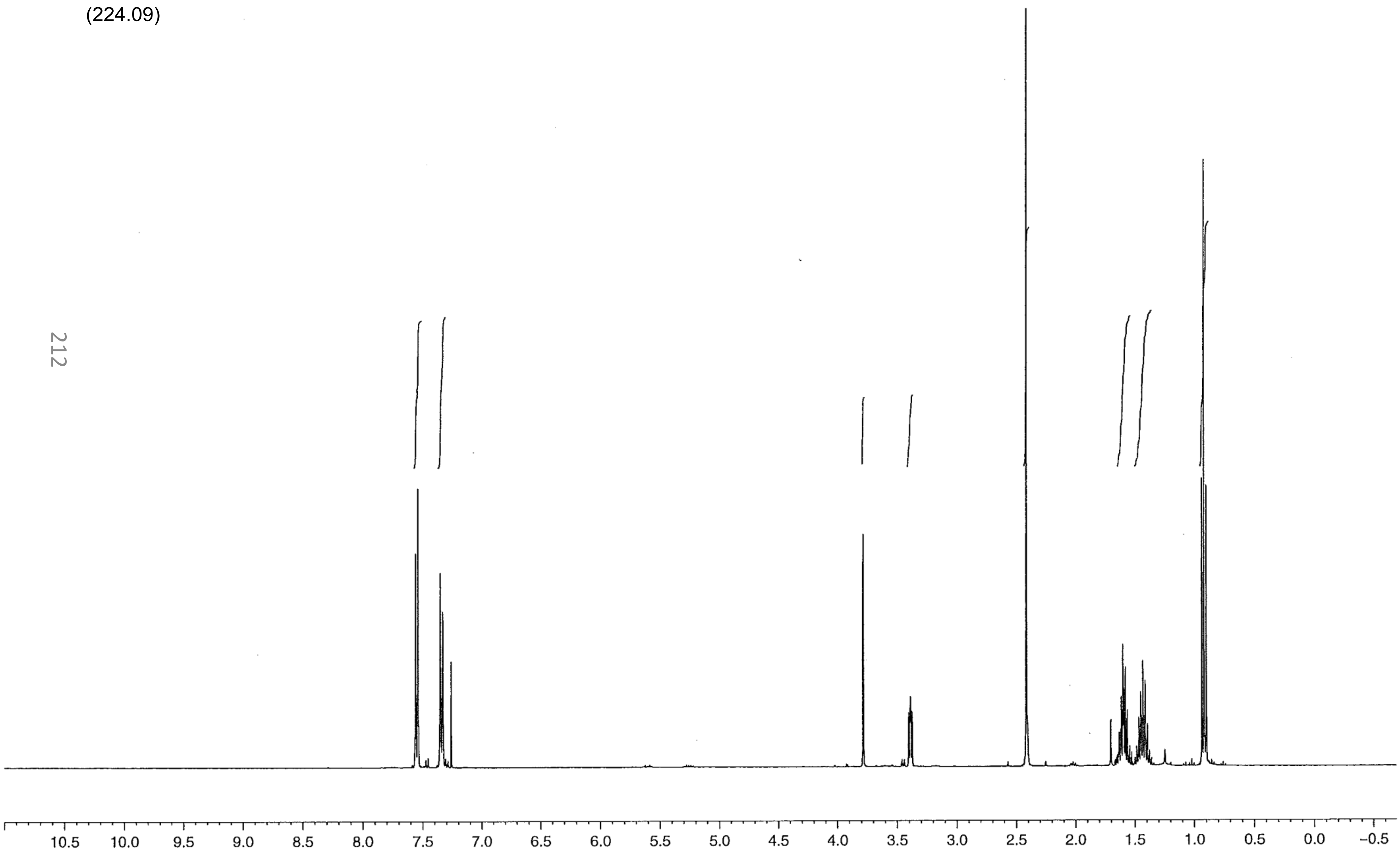


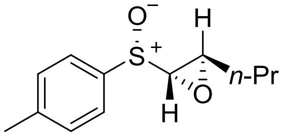
143t'' $C_{12}H_{16}O_3S$
(240.08)



145t $C_{12}H_{16}O_2S$
(224.09)

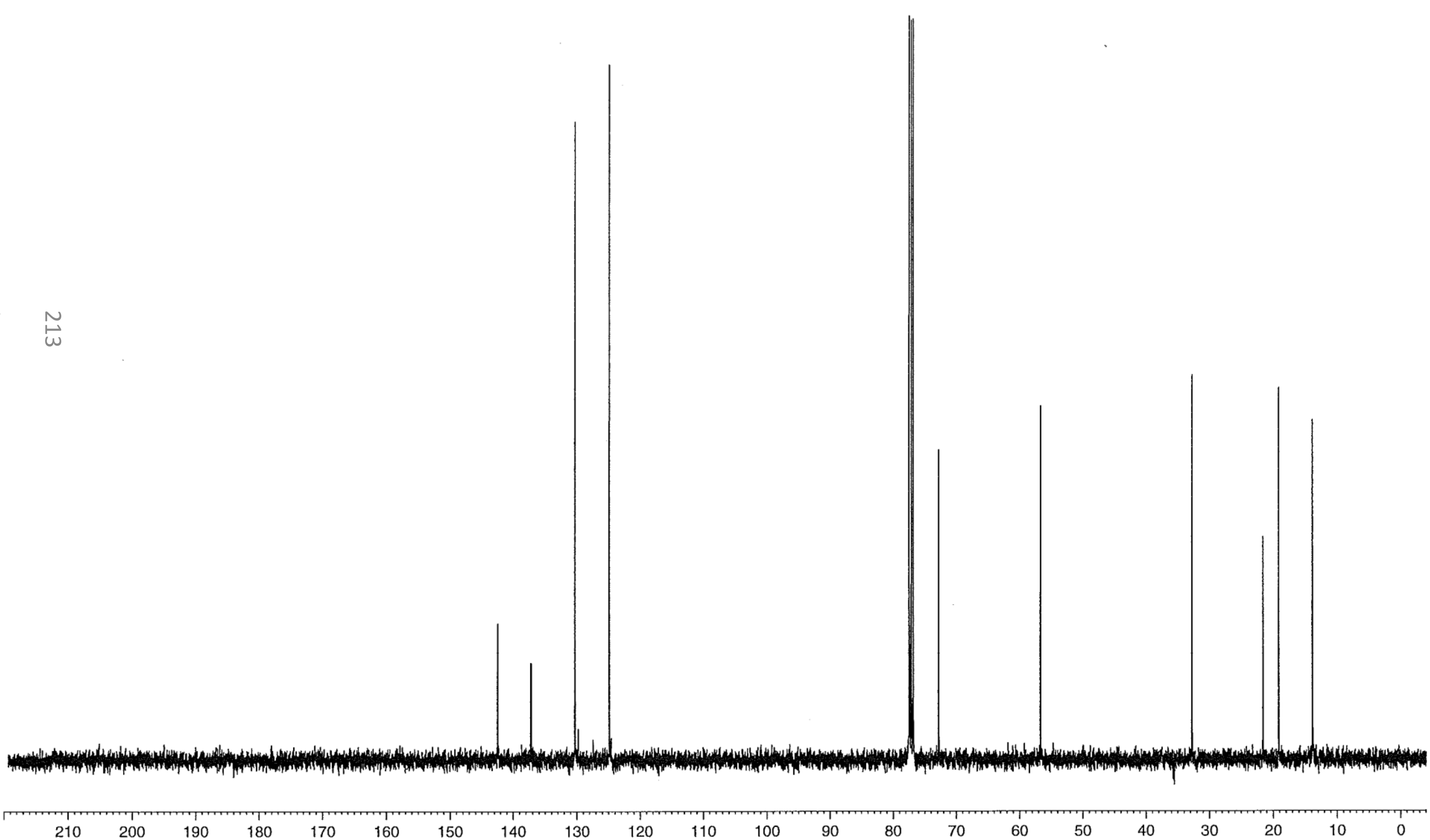
1H NMR: 400 MHz, CDCl3

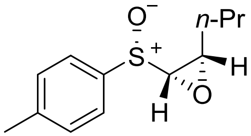




145t $C_{12}H_{16}O_2S$
(224.09)

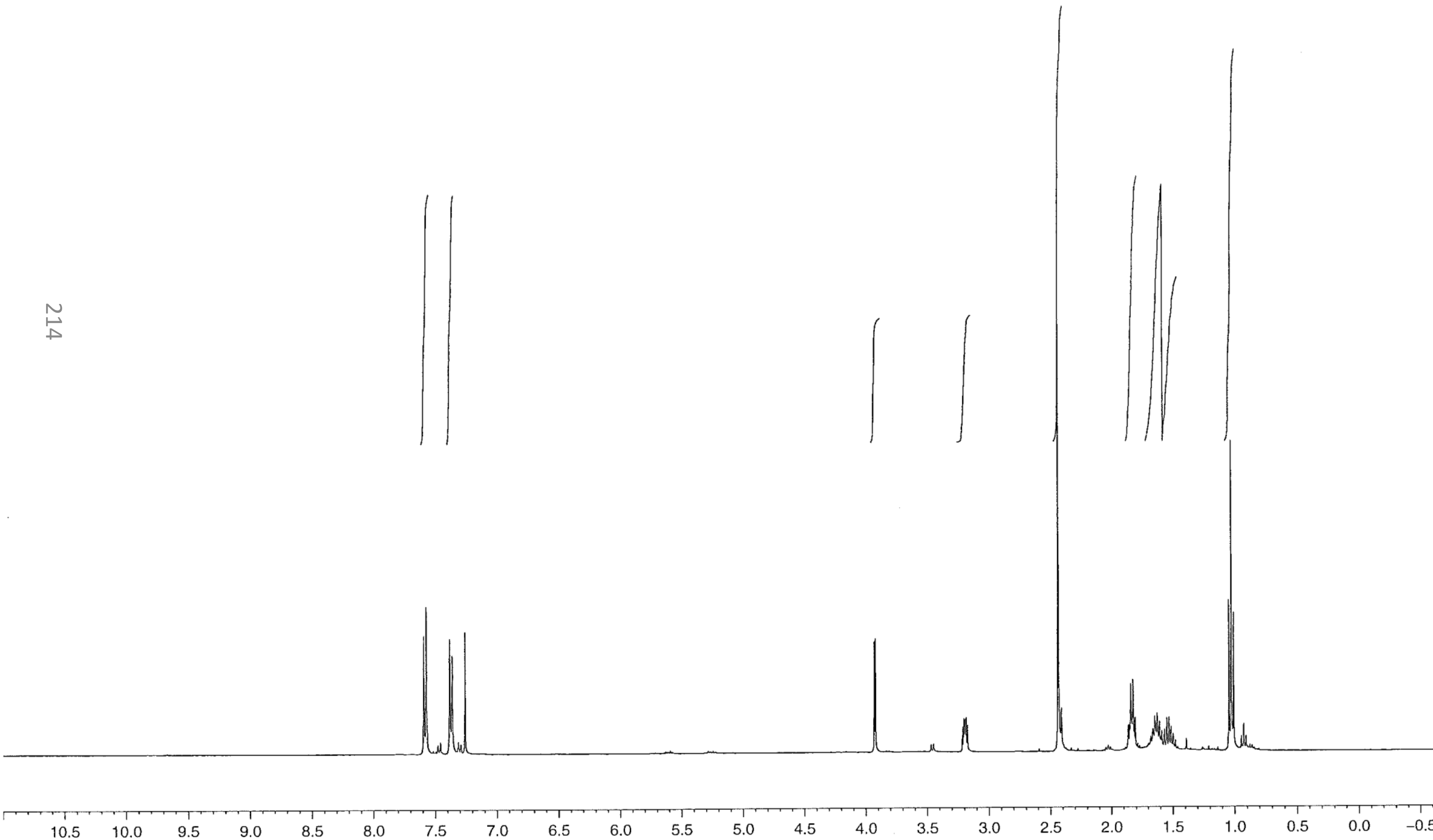
13C NMR: 100 MHz, CDCl3

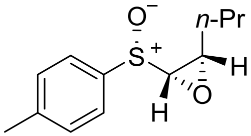




146c $C_{12}H_{16}O_2S$
(224.09)

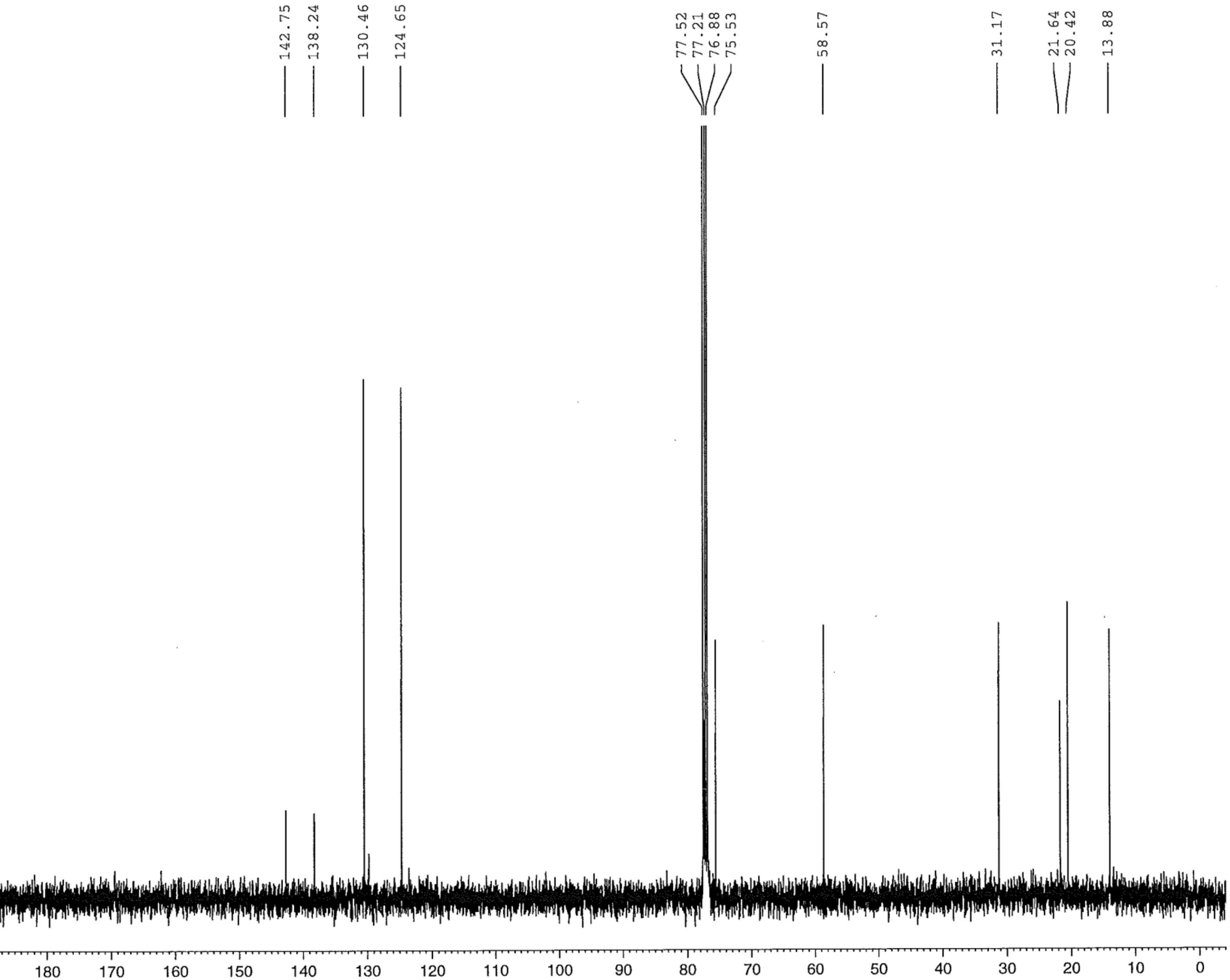
1H NMR: 700 MHz, CDCl3

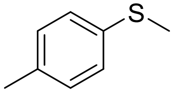




146c $C_{12}H_{16}O_2S$
(224.09)

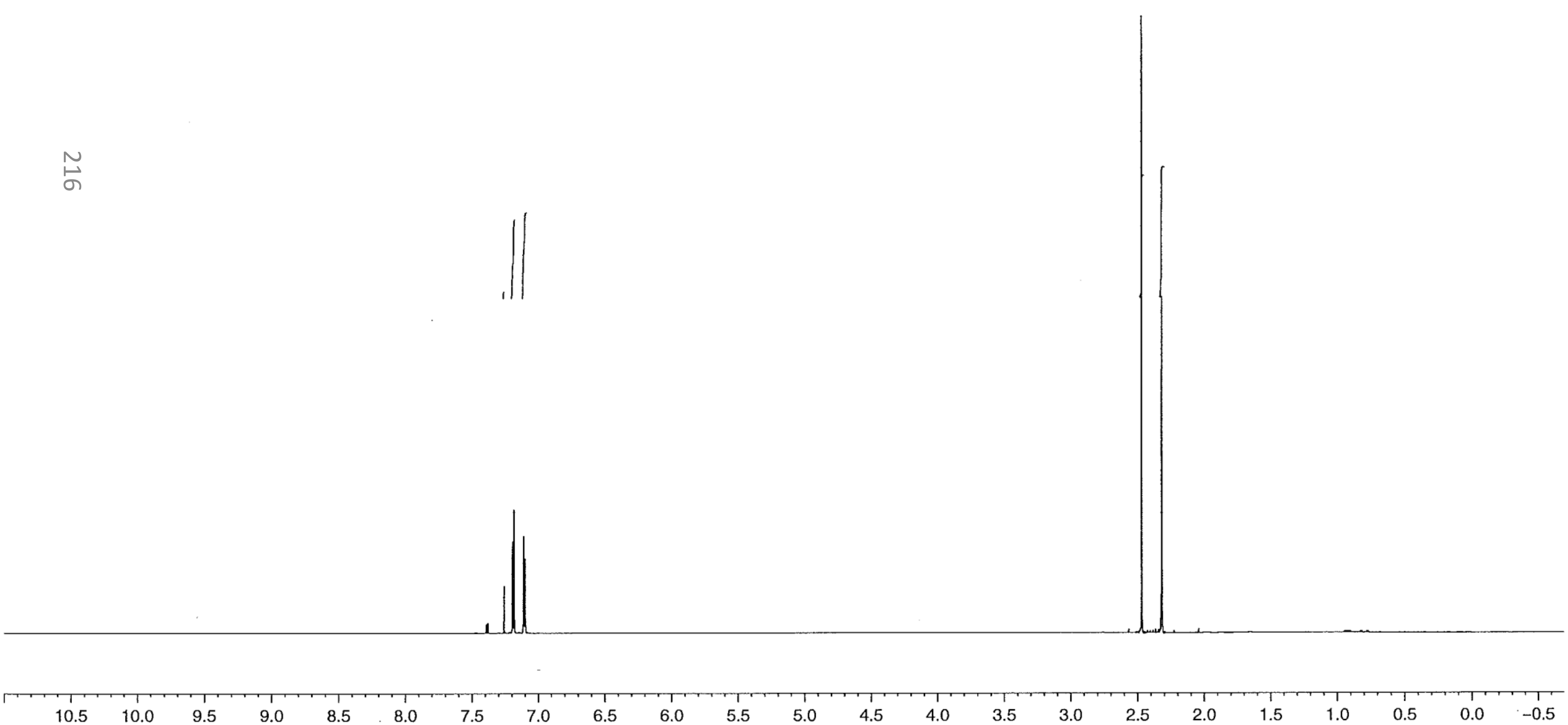
13C NMR: 175 MHz, CDCl3



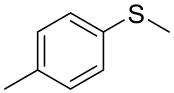


148 $C_8H_{10}S$
(138.2)

1H NMR: 700 MHz, CDCl3

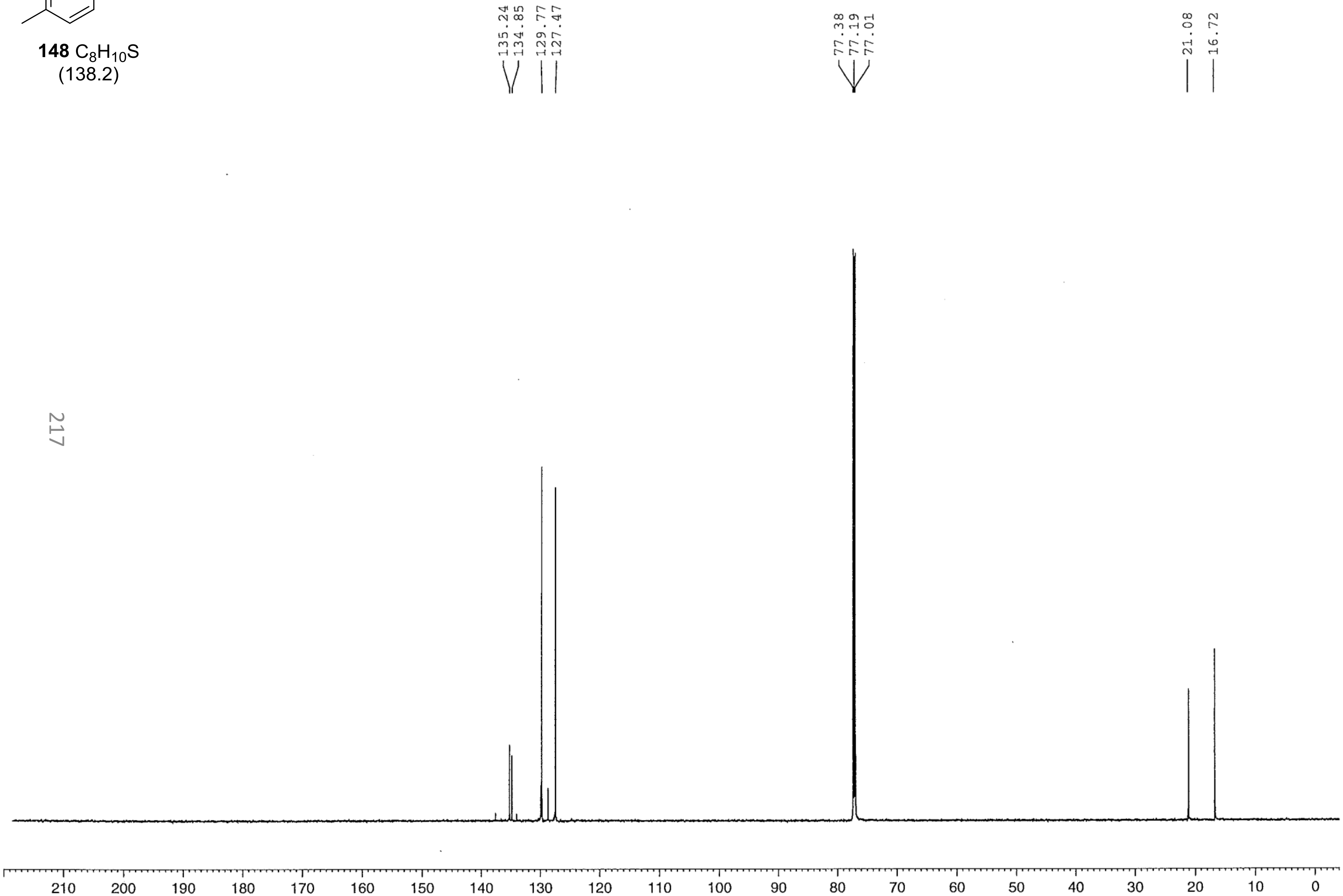


216

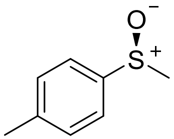


148 $C_8H_{10}S$
(138.2)

13C NMR: 175MHz, CDCl3

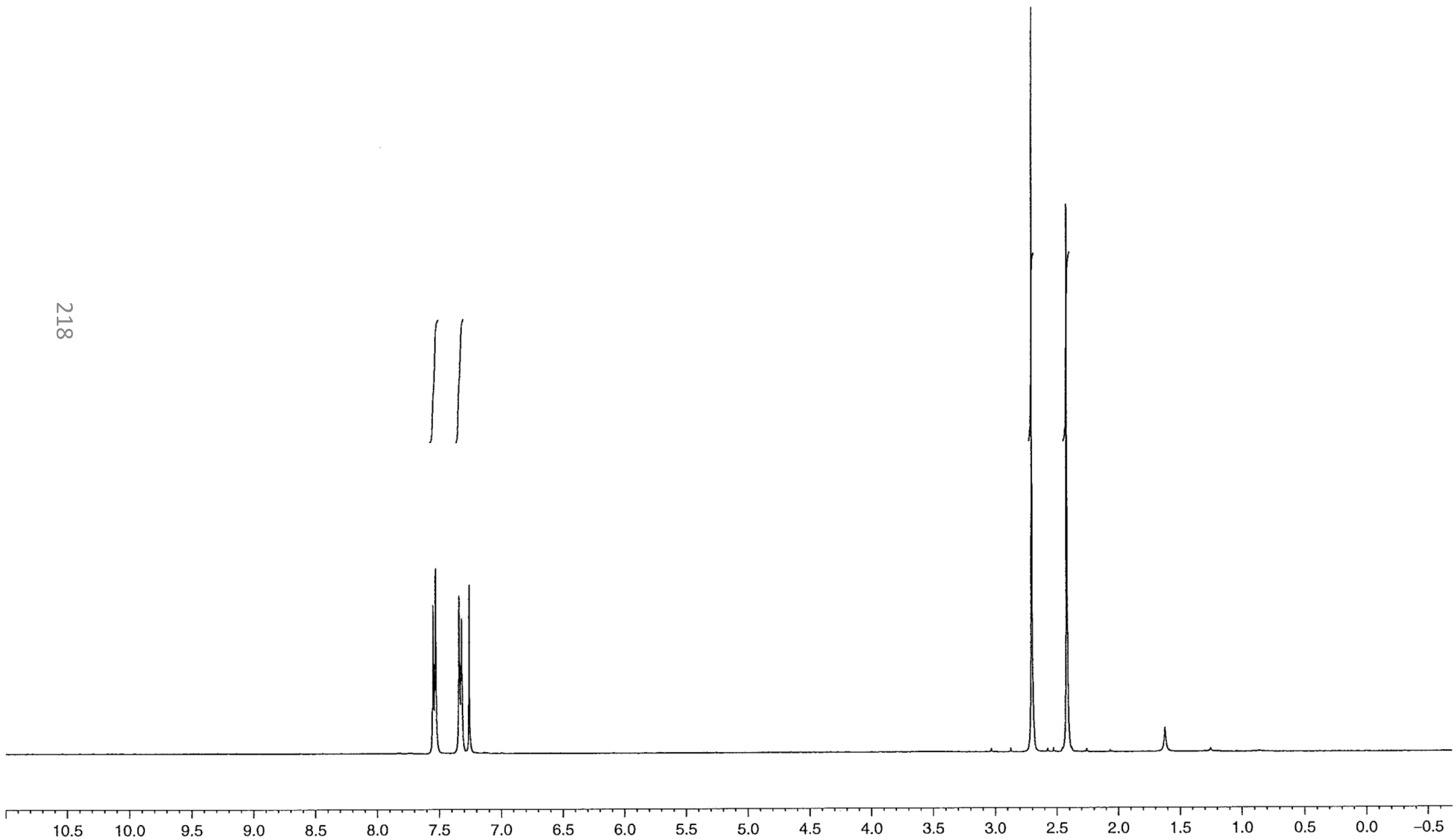


1H NMR: 400 MHz, CDCl3

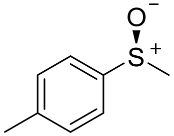


150 $C_8H_{10}OS$
(154.05)

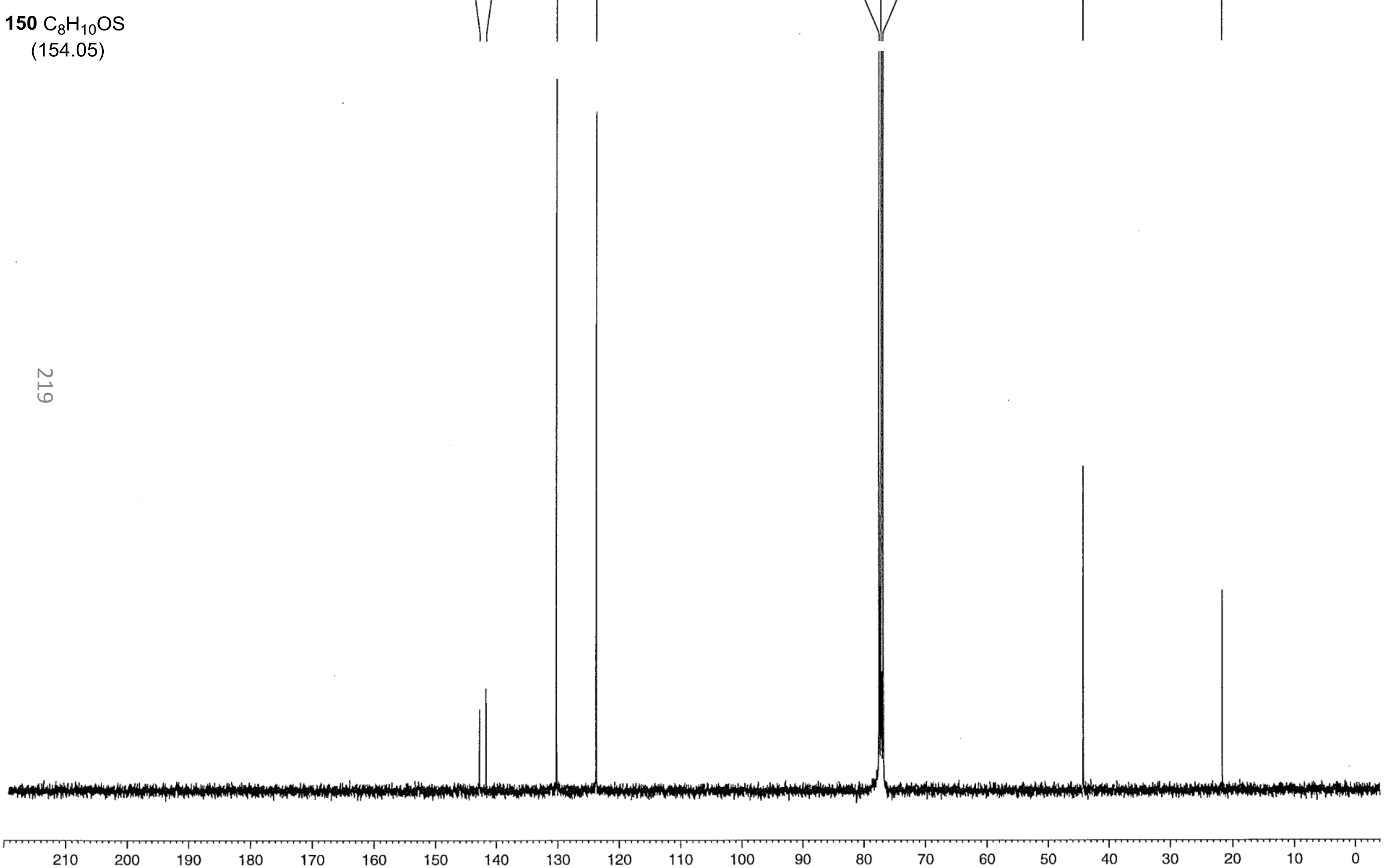
218

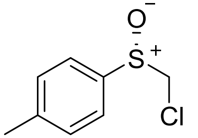


13C NMR: 100 MHz, CDCl3



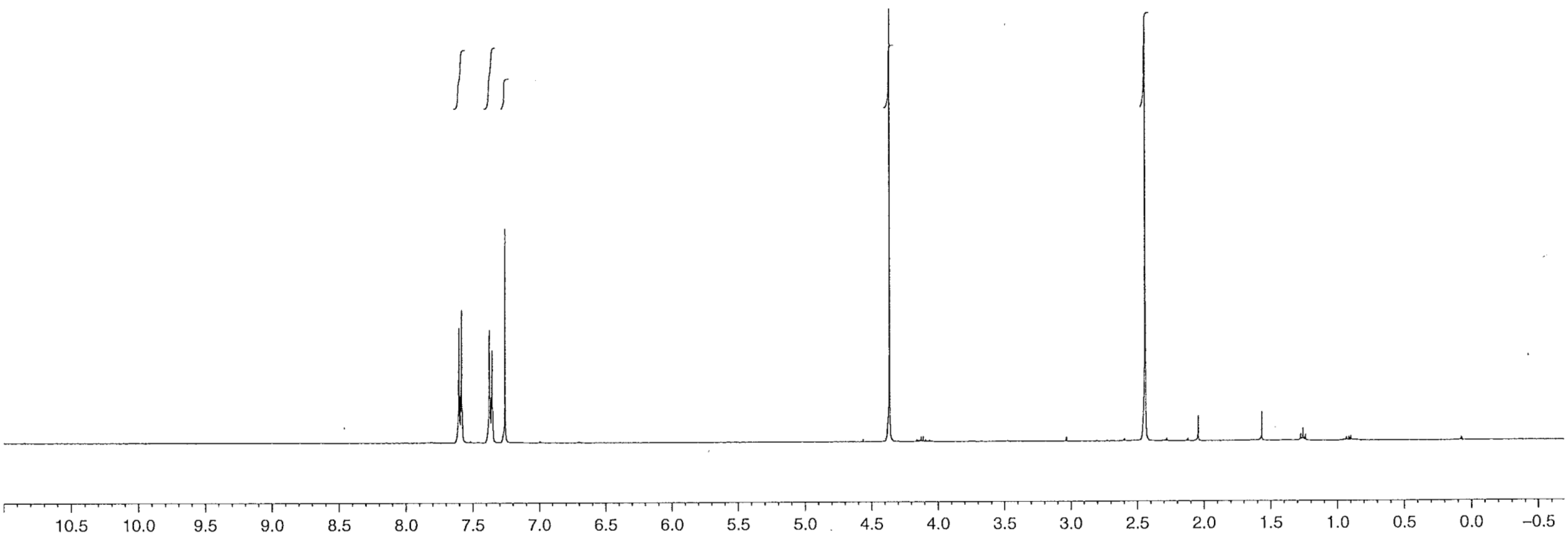
150 $C_8H_{10}OS$
(154.05)

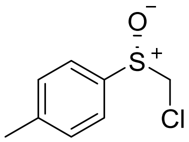




126-(+)-(Ss)
C_8H_9ClOS (188.7)

1H NMR: 400 MHz, CDCl3

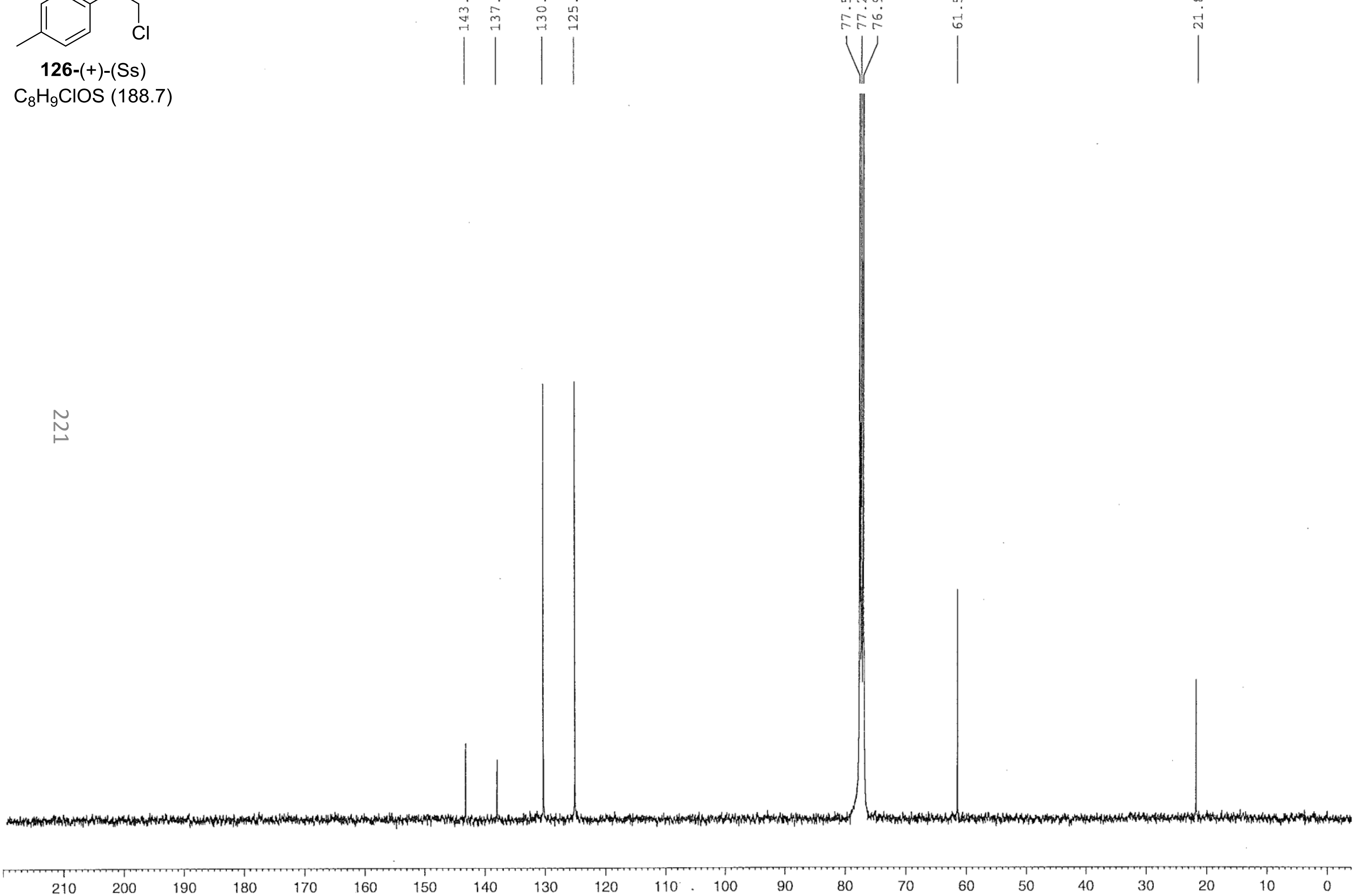


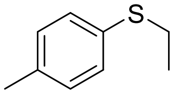


126-(+)-(Ss)

C_8H_9ClOS (188.7)

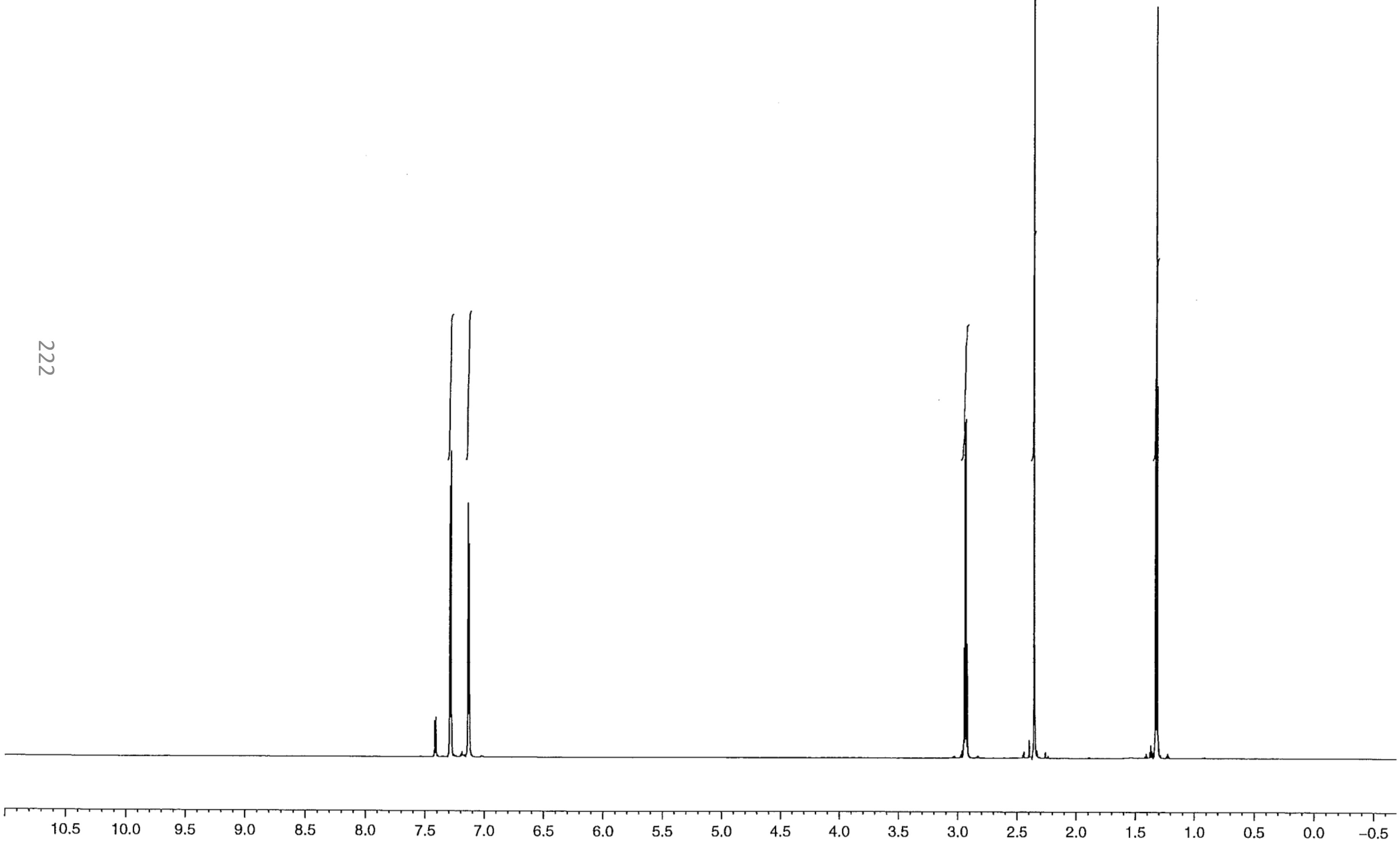
13C NMR: 100 MHz, CDCl3



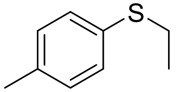


149 $C_9H_{12}S$
(152.3)

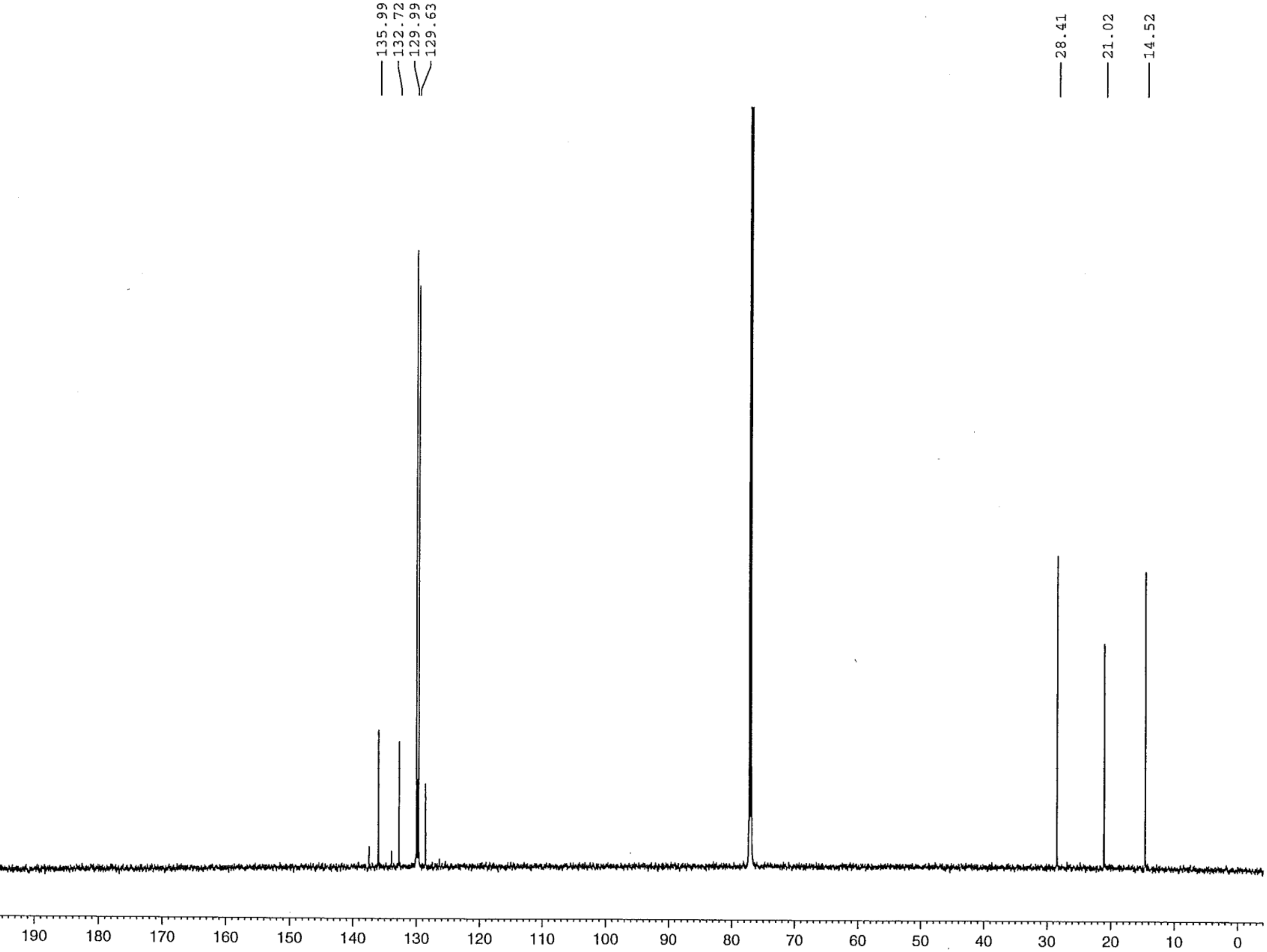
1H NMR: 700 MHz, CDCl3

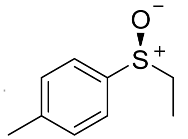


13C NMR: 175MHz, CDCl3



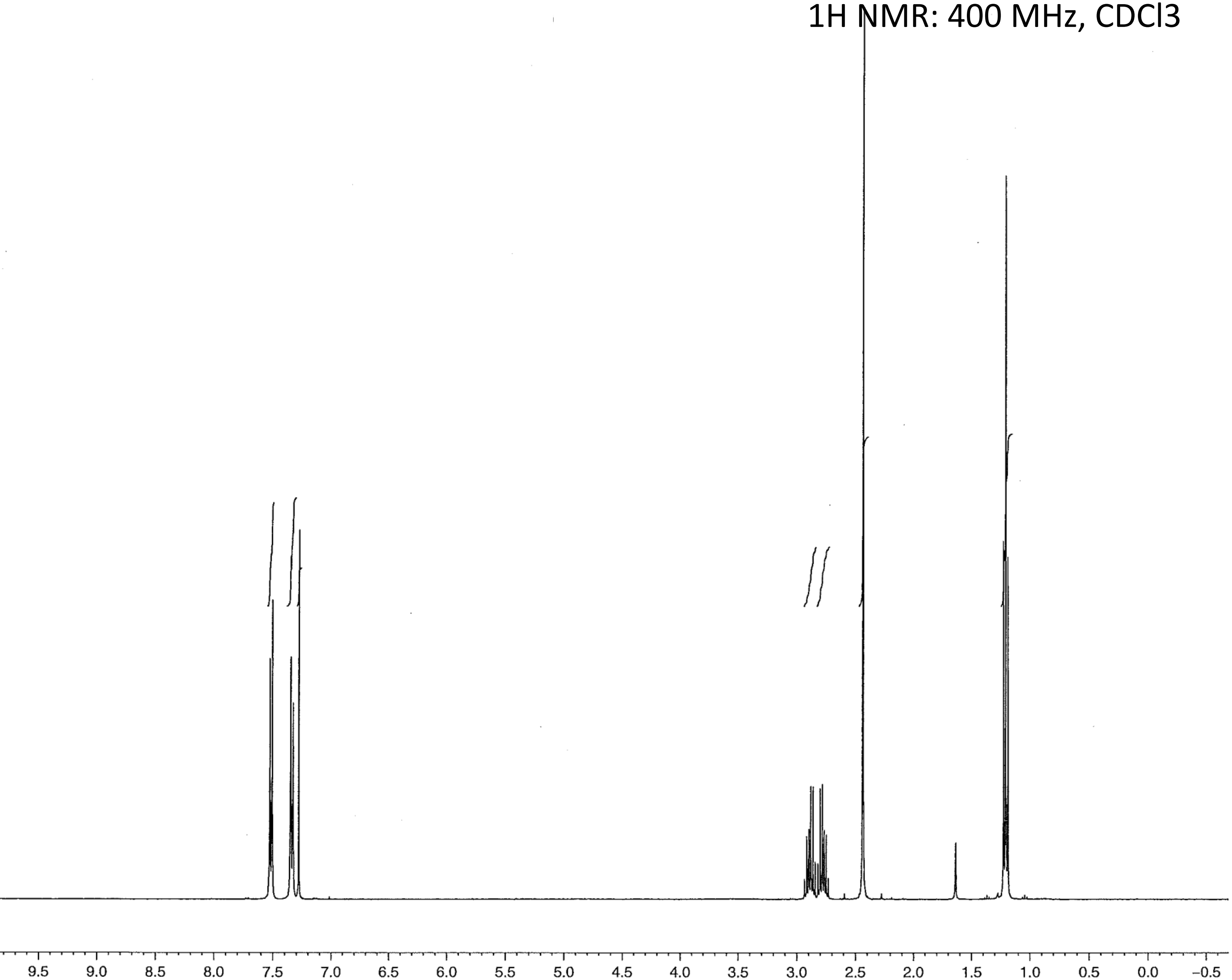
149 $C_9H_{12}S$
(152.3)



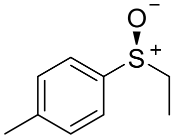


151 $C_9H_{12}OS$
(168.3)

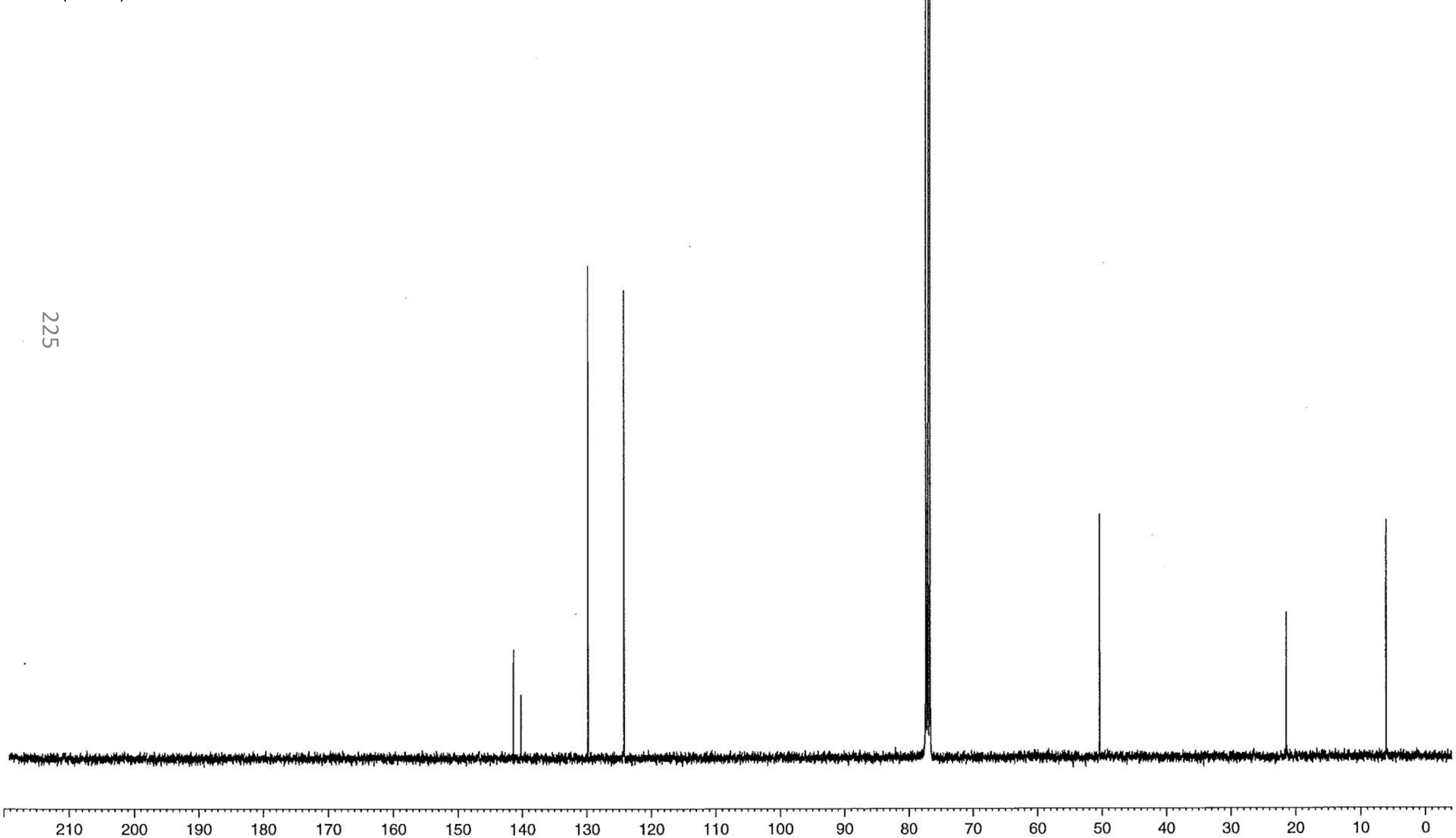
1H NMR: 400 MHz, CDCl3

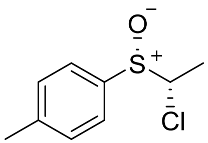


13C NMR: 100 MHz, CDCl3



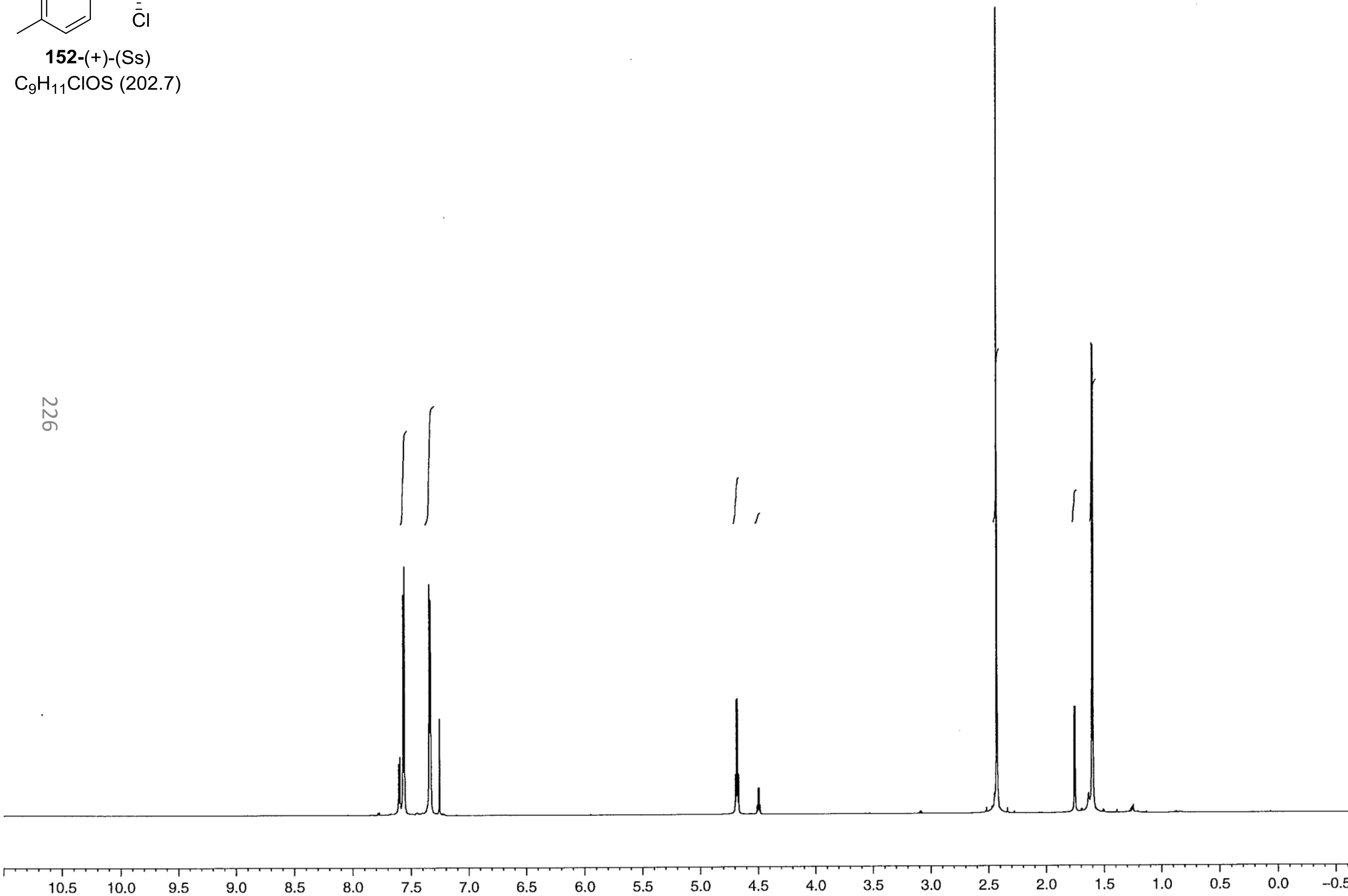
151 $C_9H_{12}OS$
(168.3)

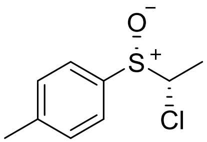




152-(+)-(Ss)
$C_9H_{11}ClOS$ (202.7)

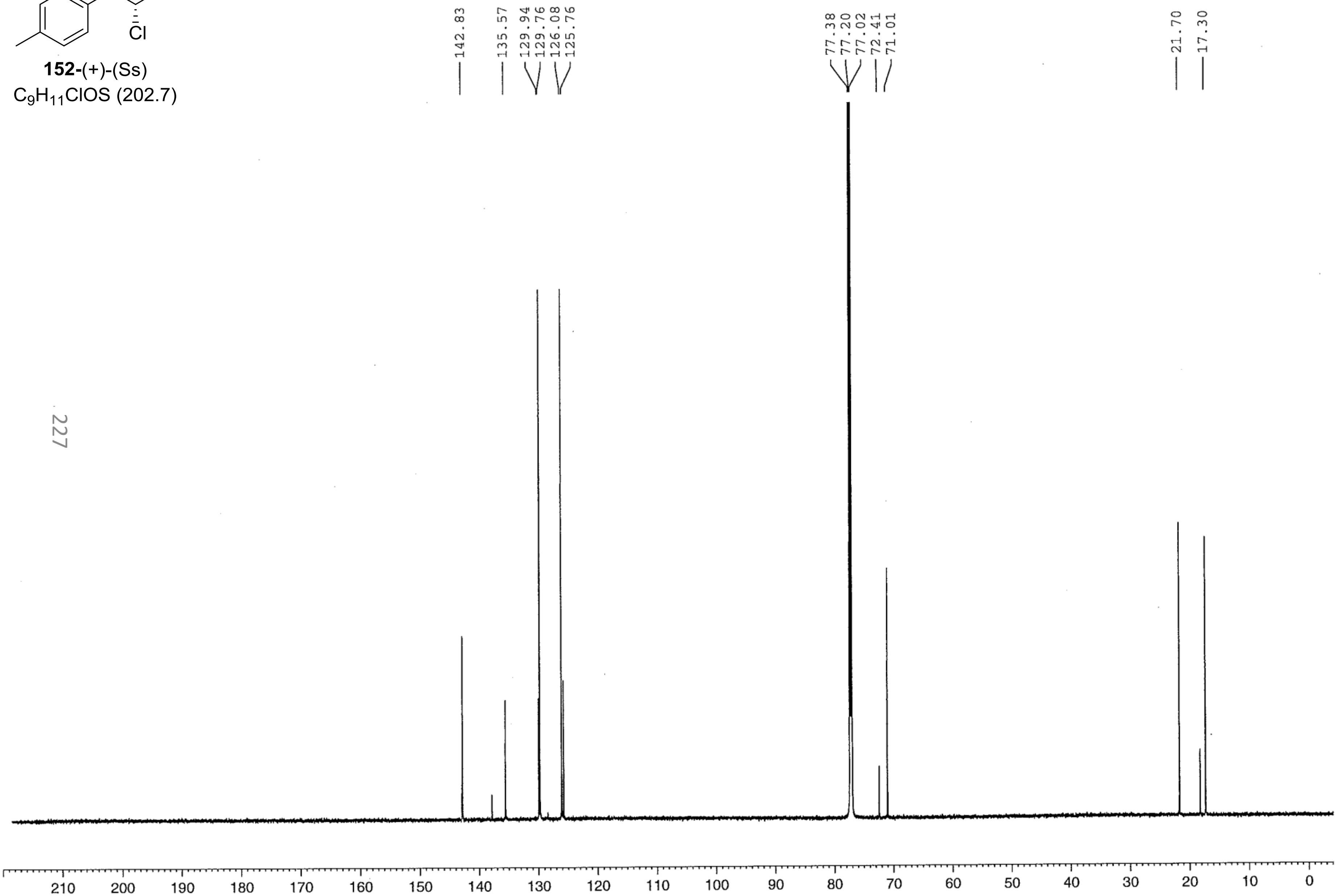
1H NMR: 700 MHz, CDCl3

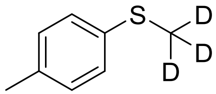




152-(+)-(Ss)
$C_9H_{11}ClOS$ (202.7)

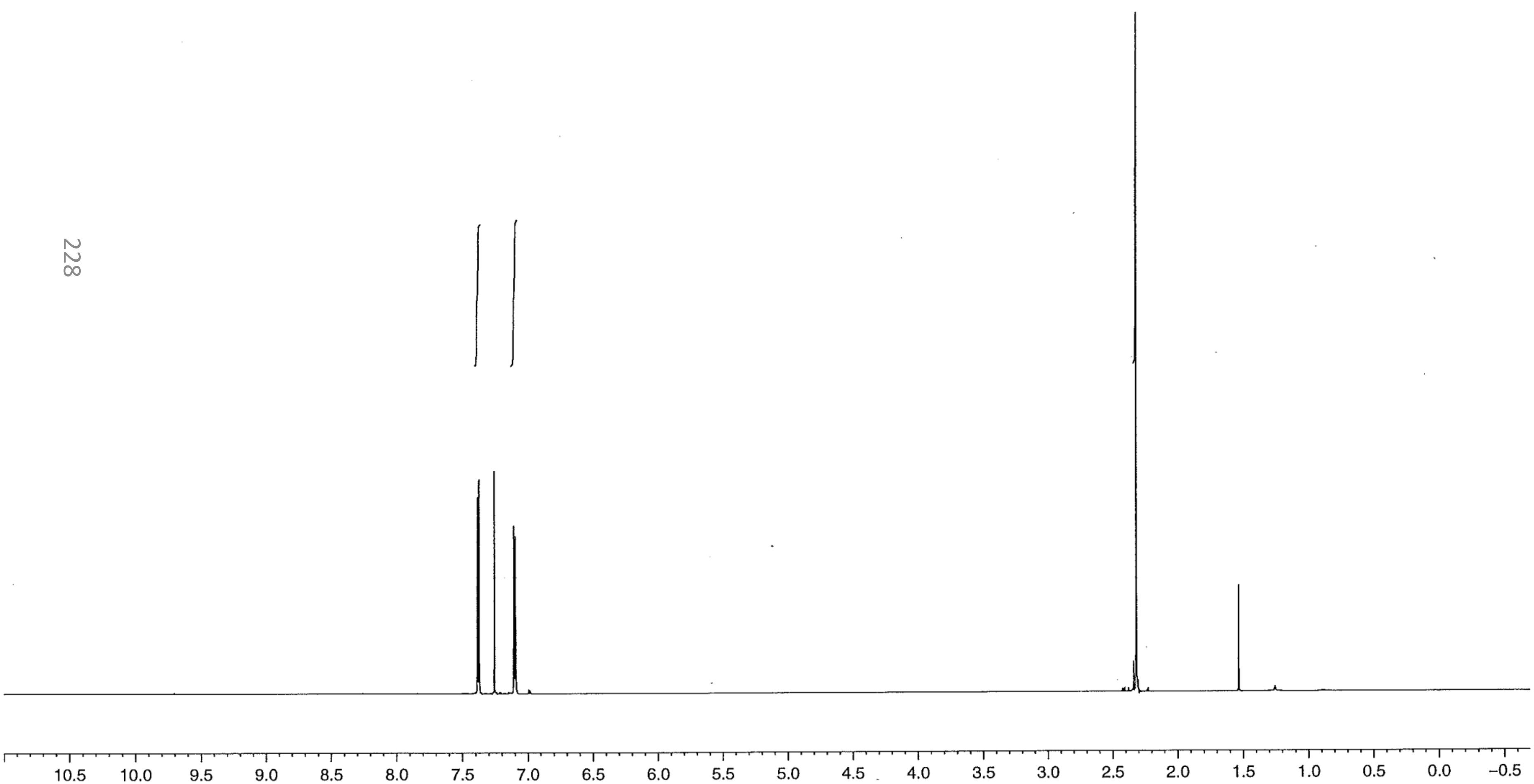
13C NMR: 175MHz, CDCl3

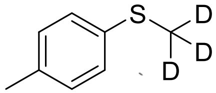




159 $C_8H_7D_3S$
(141.25)

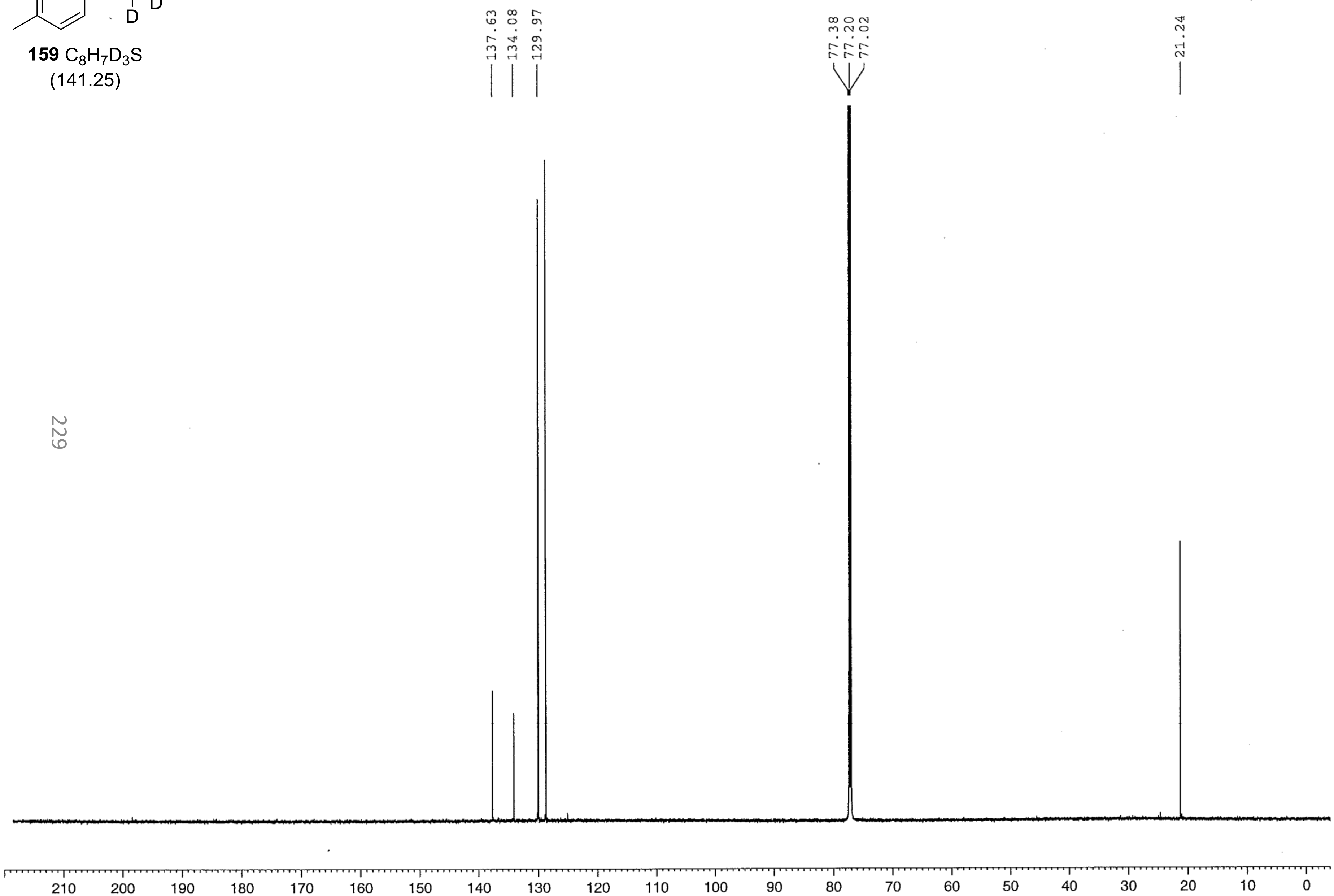
1H NMR: 700 MHz, CDCl3

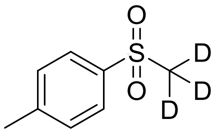




159 $C_8H_7D_3S$
(141.25)

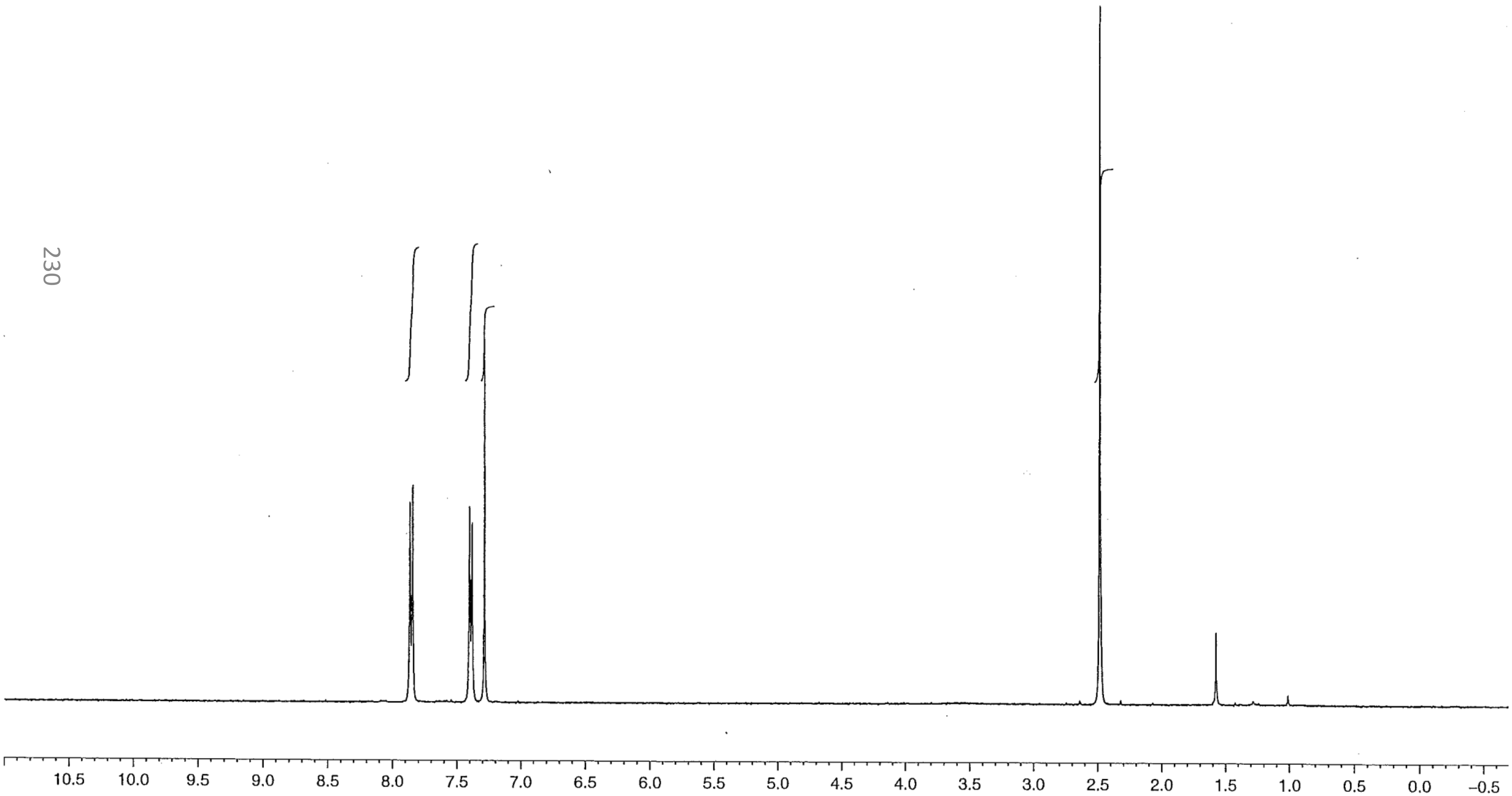
13C NMR: 175 MHz, CDCl3

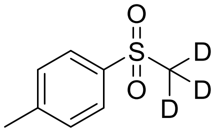




161 $C_8H_7D_3O_2S$
(173.24)

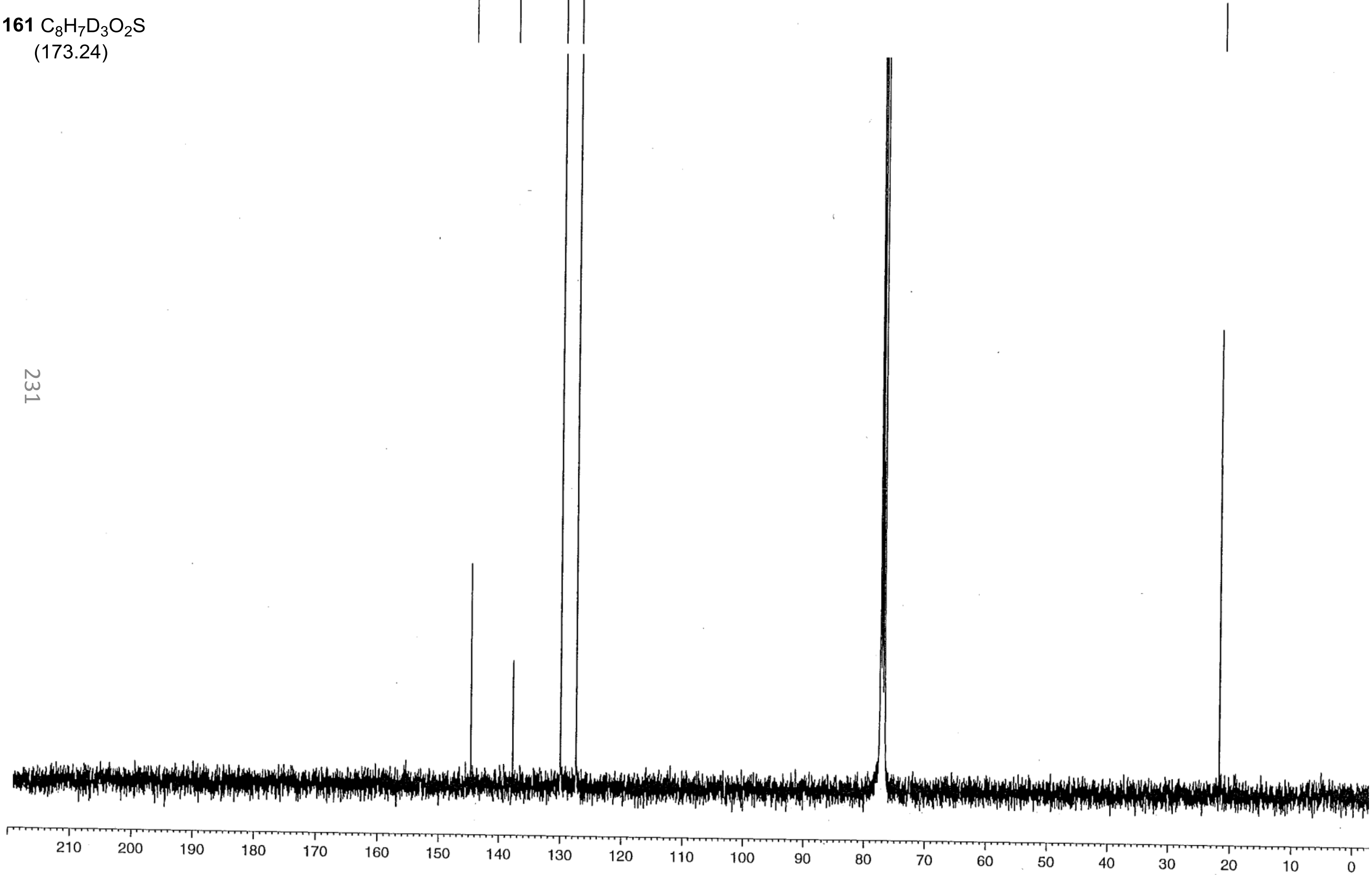
1H NMR: 400 MHz, CDCl3

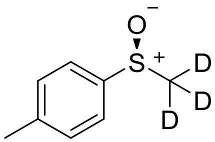




161 $C_8H_7D_3O_2S$
(173.24)

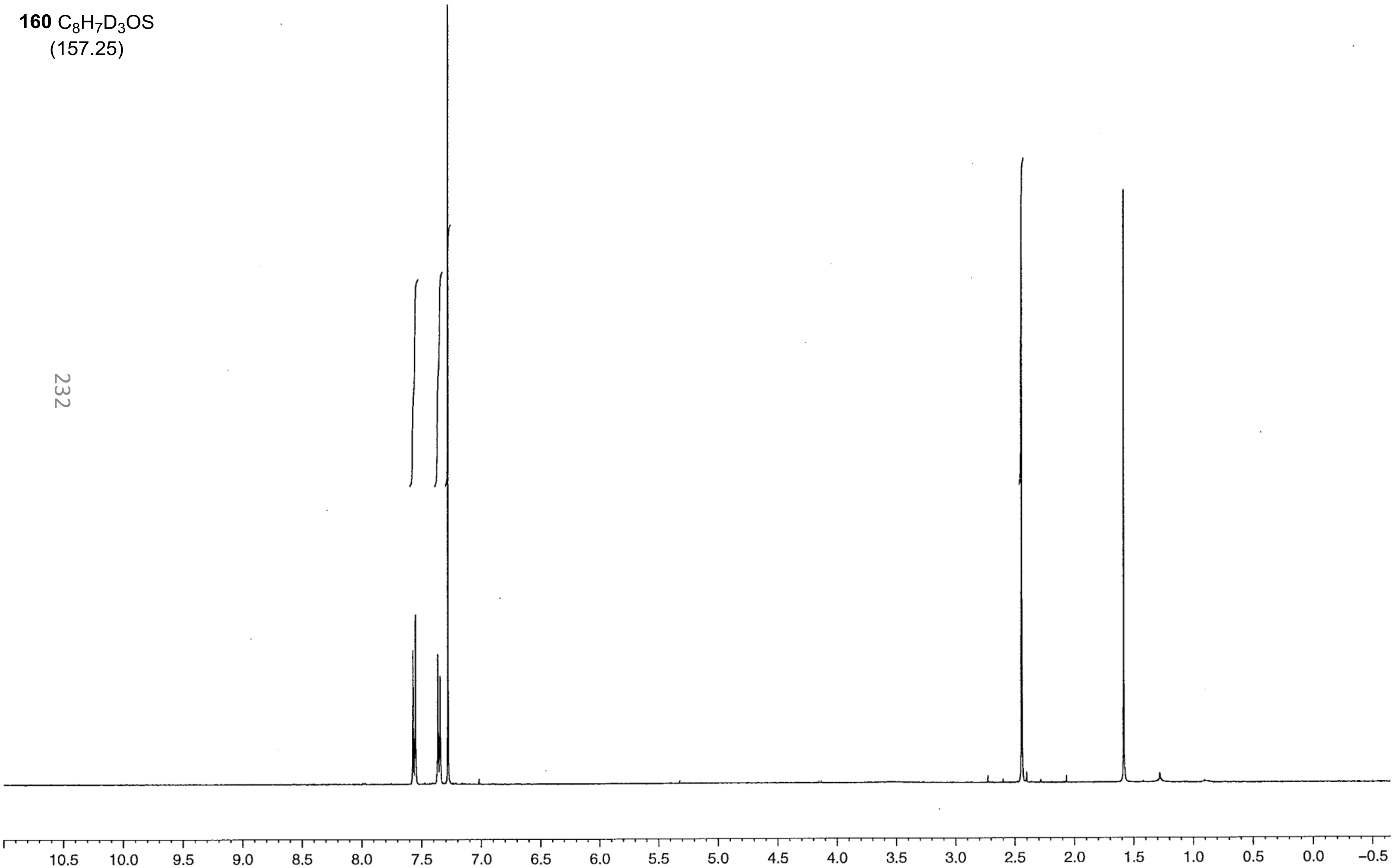
13C NMR: 100 MHz, CDCl3

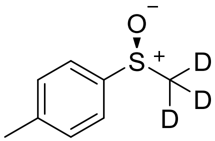




160 $C_8H_7D_3OS$
(157.25)

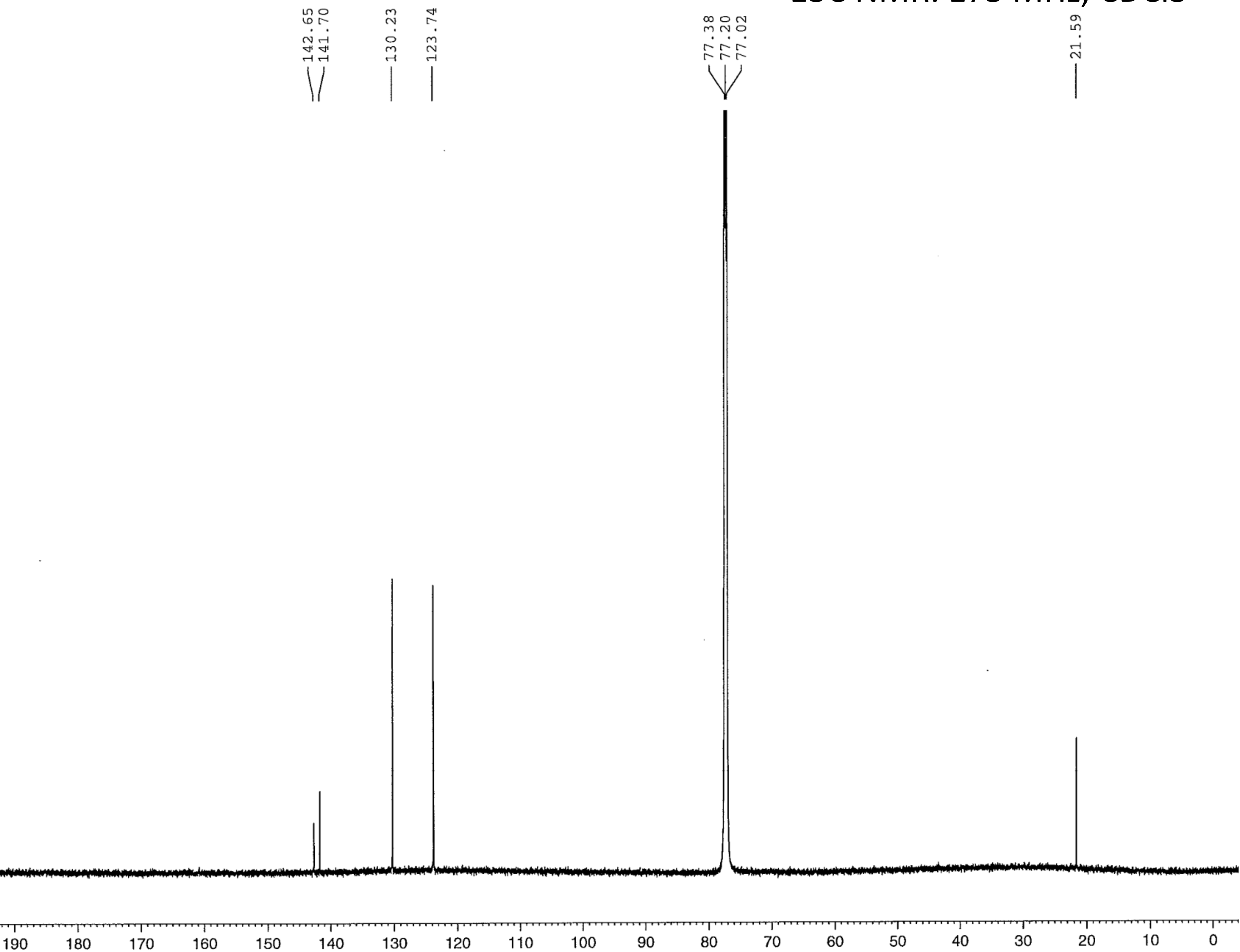
1H NMR: 400 MHz, CDCl3

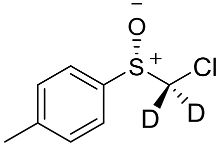




160 $C_8H_7D_3OS$
(157.25)

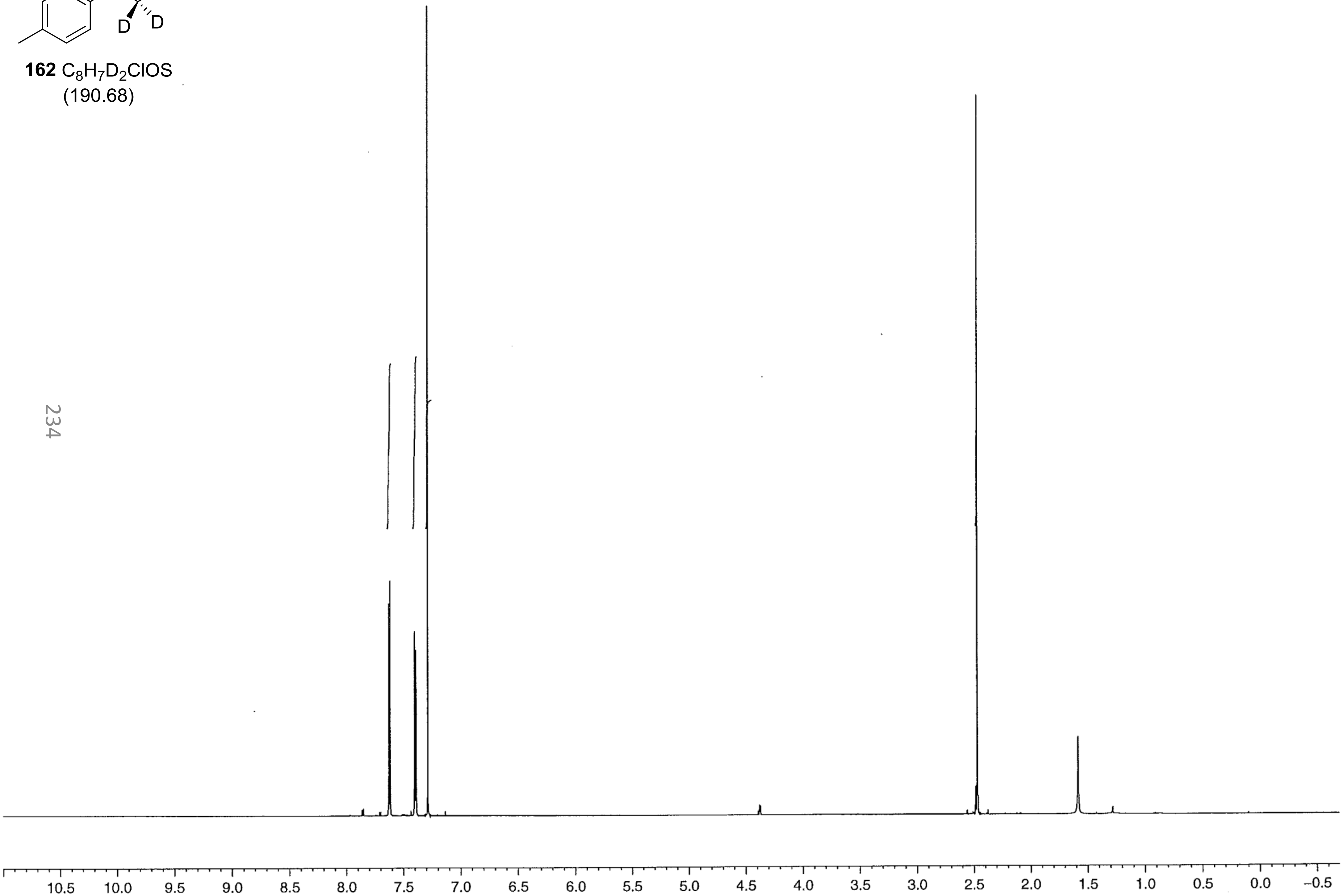
13C NMR: 175 MHz, CDCl3

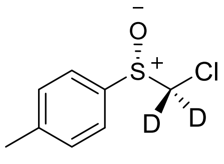




162 $C_8H_7D_2ClOS$
(190.68)

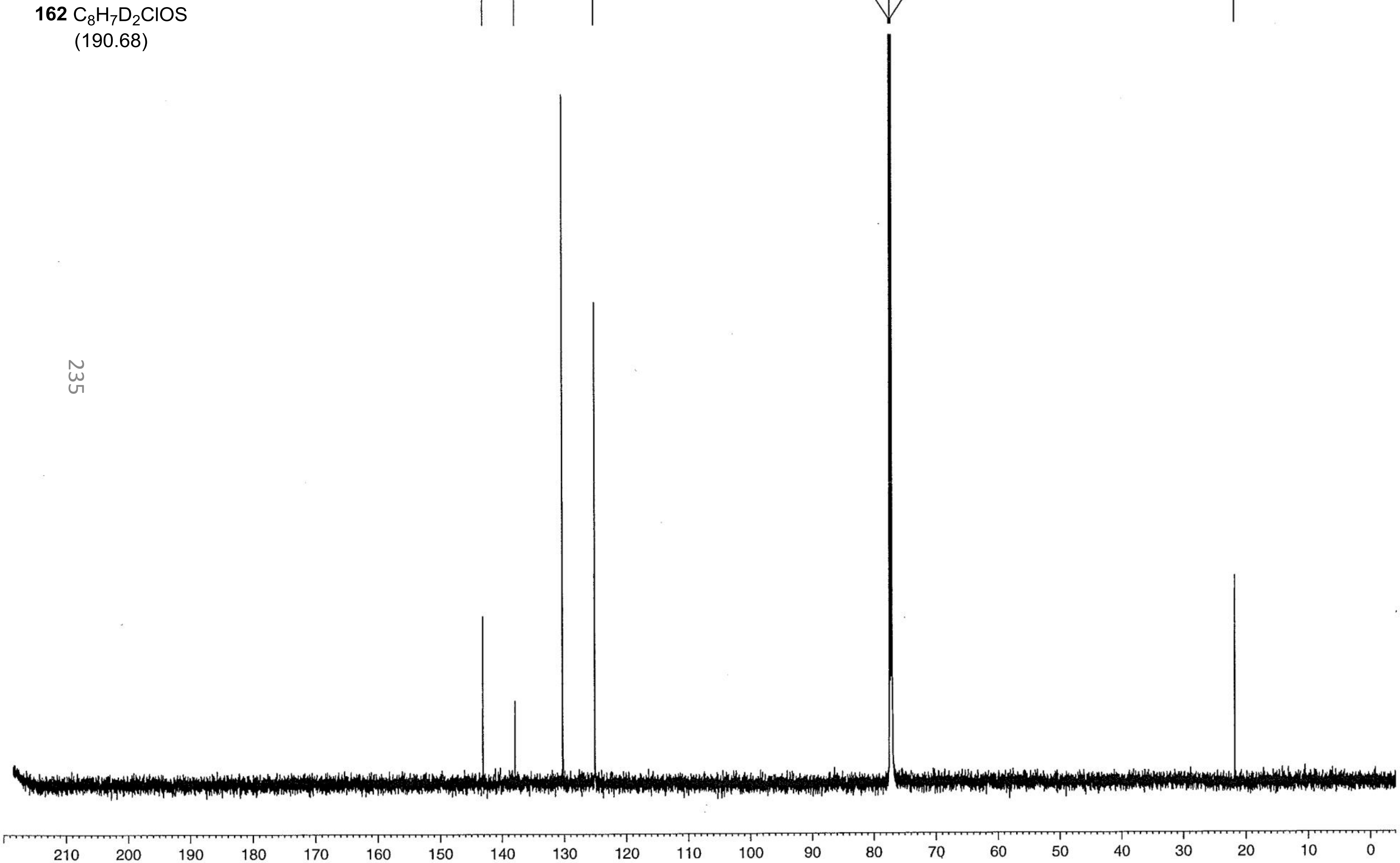
1H NMR: 700 MHz, CDCl3

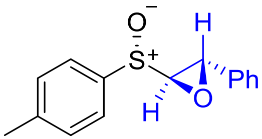




162 $C_8H_7D_2ClOS$
(190.68)

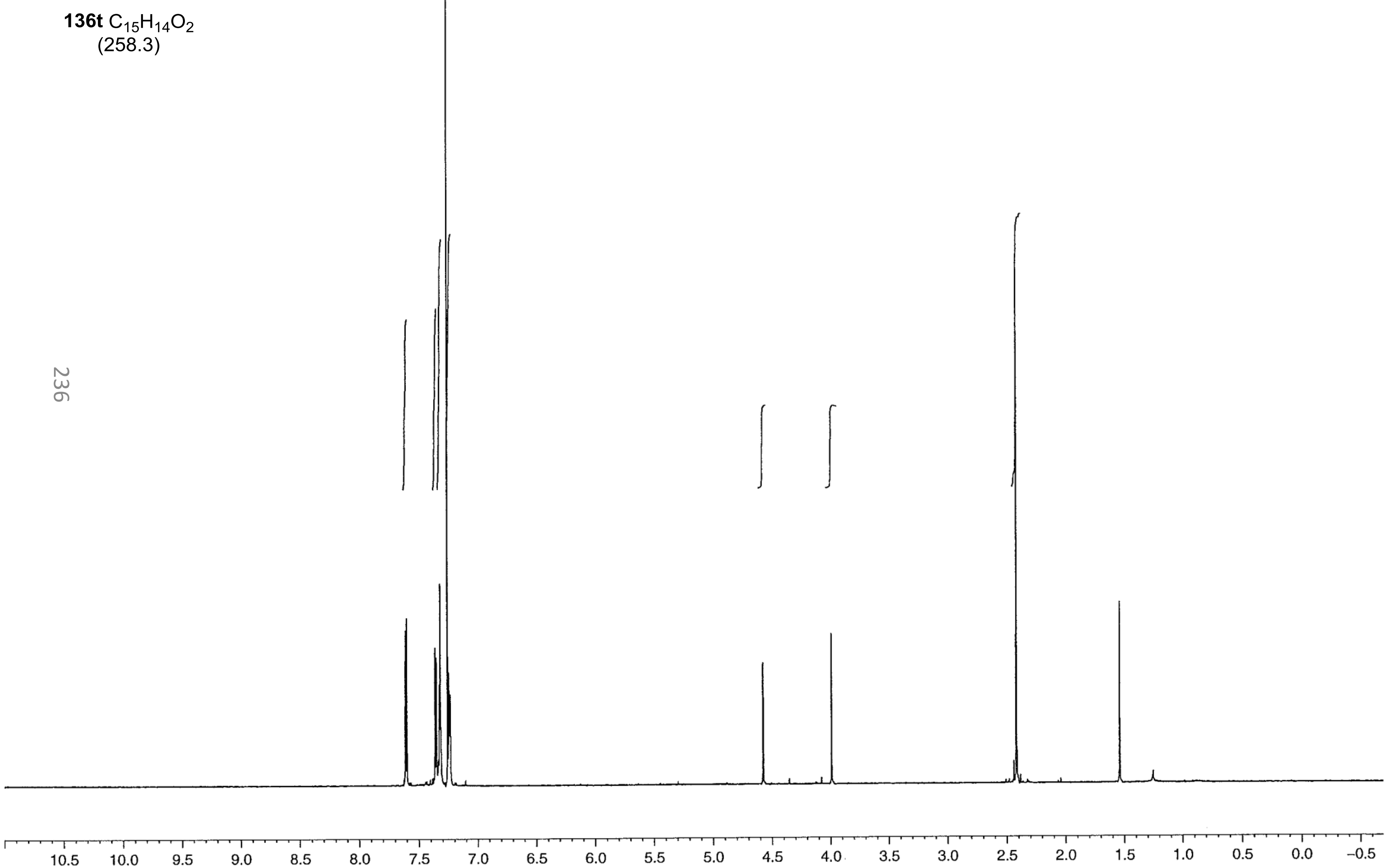
13C NMR: 175 MHz, CDCl3

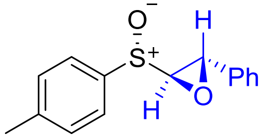




136t $C_{15}H_{14}O_2$
(258.3)

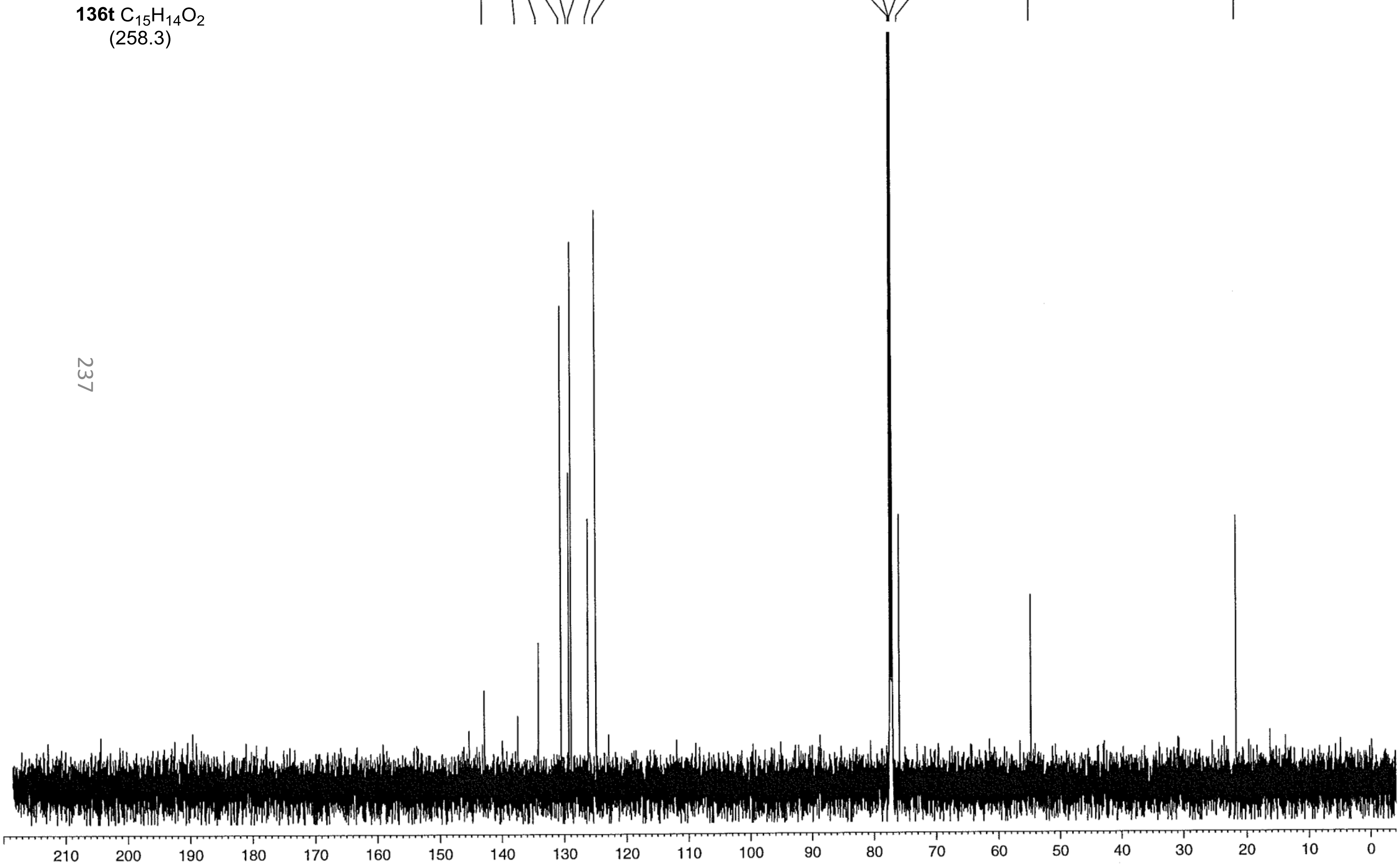
1H NMR: 700 MHz, CDCl3

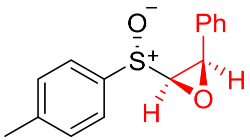




136t $C_{15}H_{14}O_2$
(258.3)

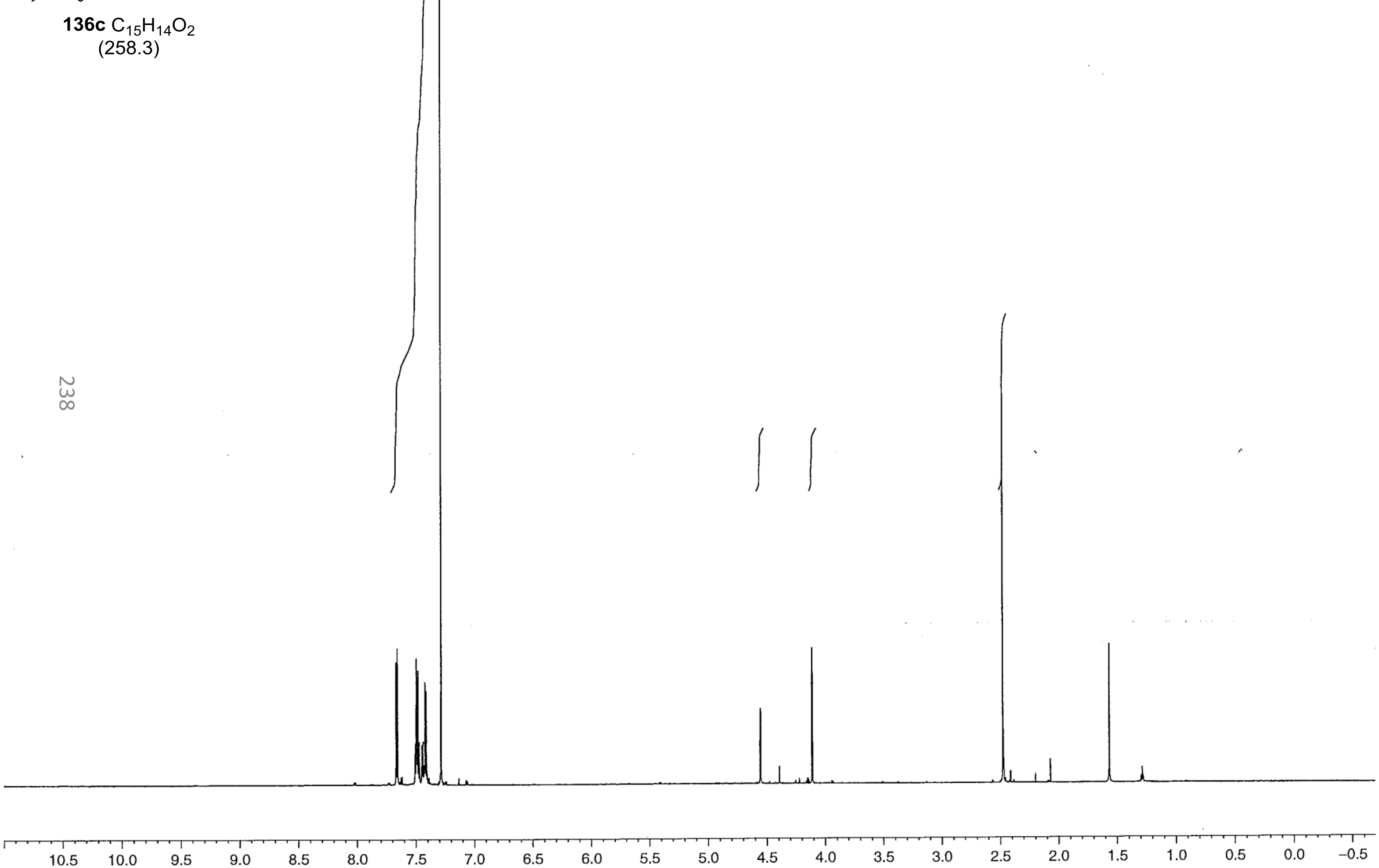
13C NMR: 175 MHz, CDCl3

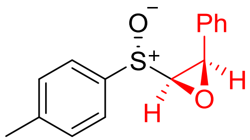




136c $C_{15}H_{14}O_2$
(258.3)

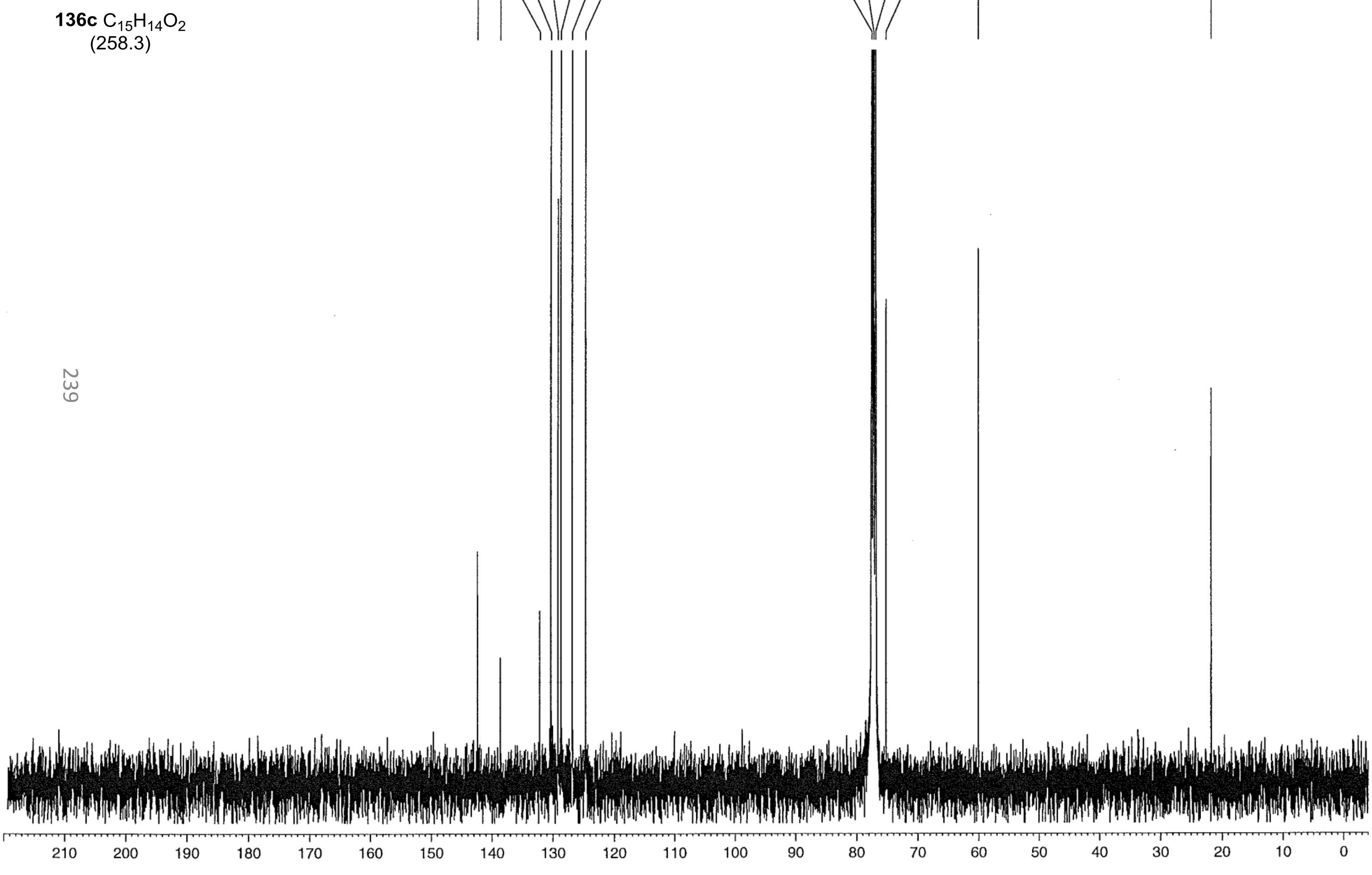
1H NMR: 700 MHz, CDCl3

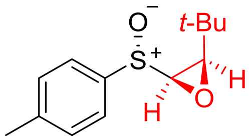




136c $C_{15}H_{14}O_2$
(258.3)

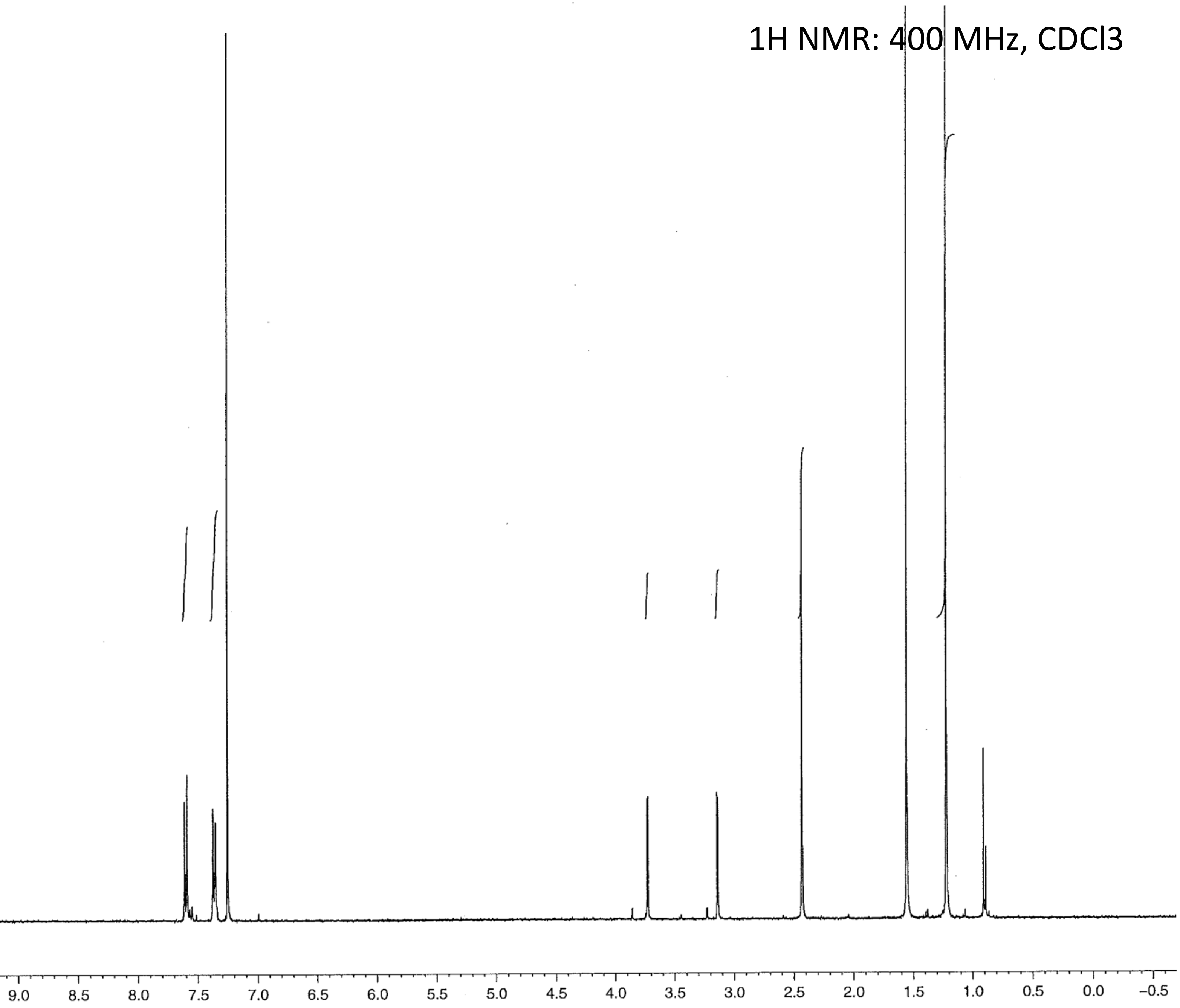
13C NMR: 100 MHz, CDCl3



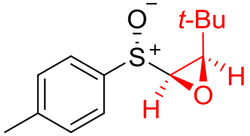


139t $C_{13}H_{18}O_2S$
(238.3)

1H NMR: 400 MHz, CDCl3

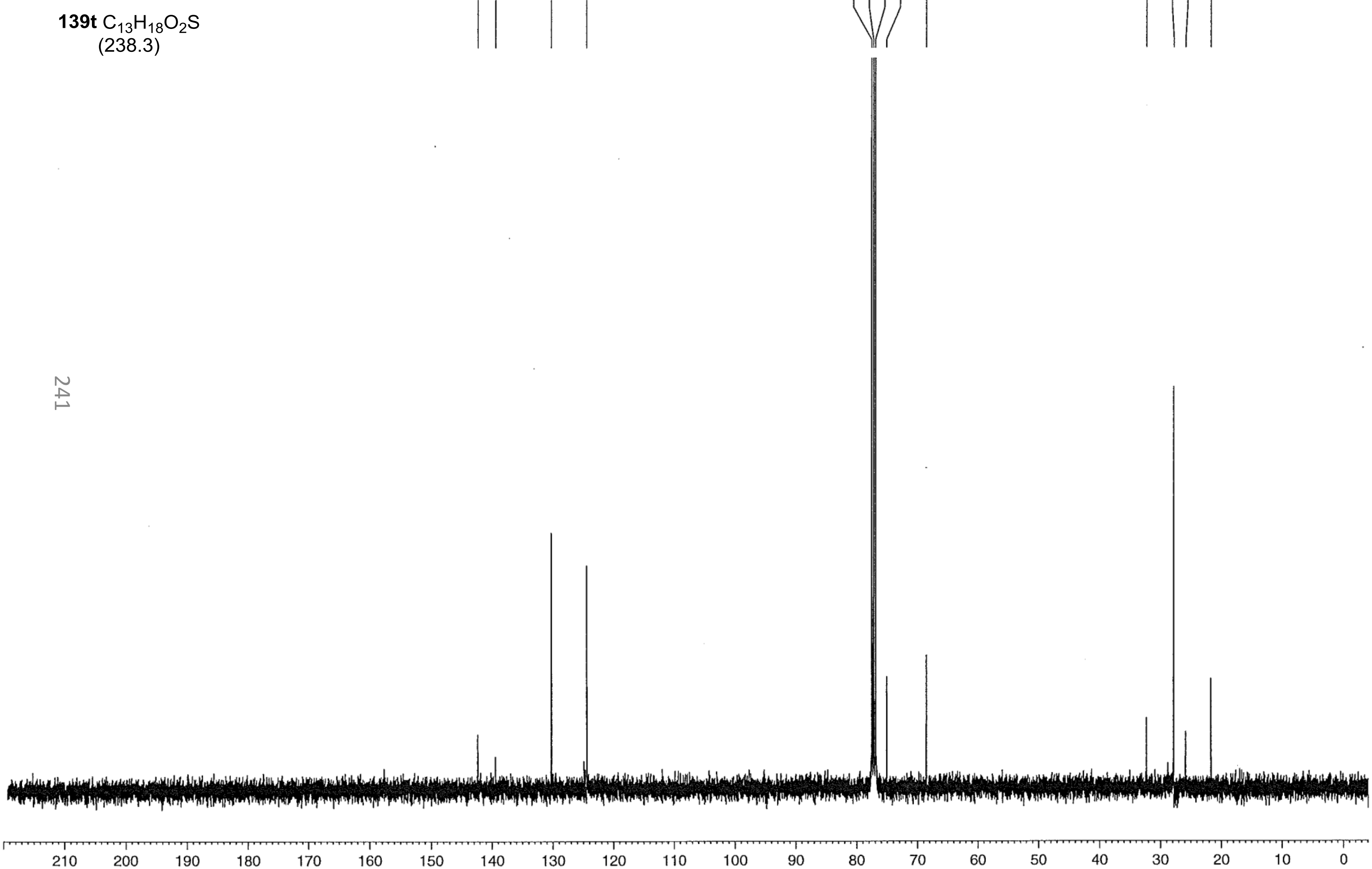


240



139t $C_{13}H_{18}O_2S$
(238.3)

13C NMR: 100 MHz, CDCl3



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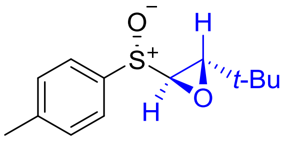
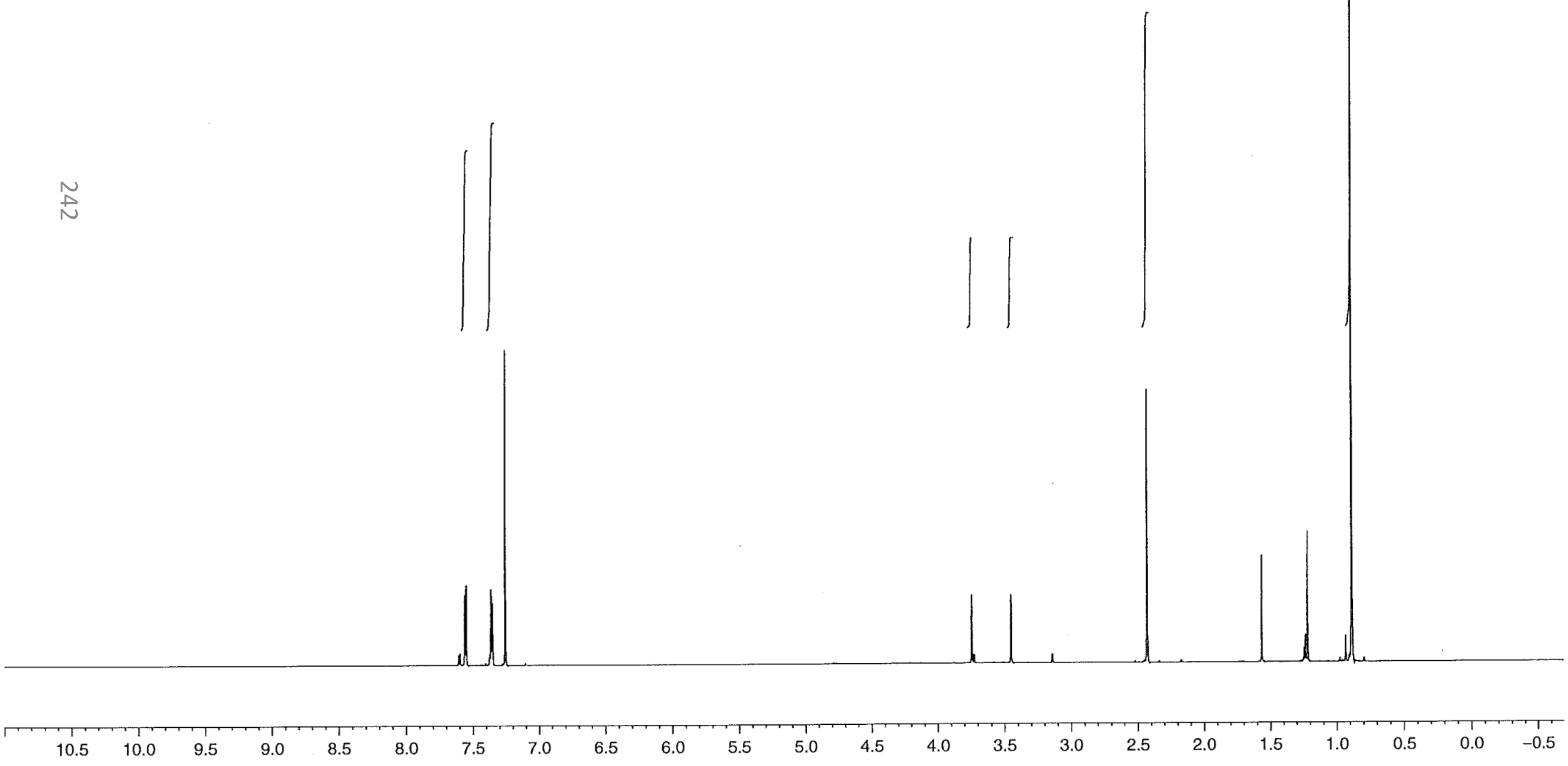
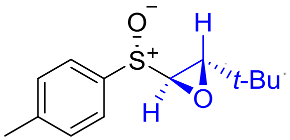


139 $C_{13}H_{18}O_2S$
(238.3)

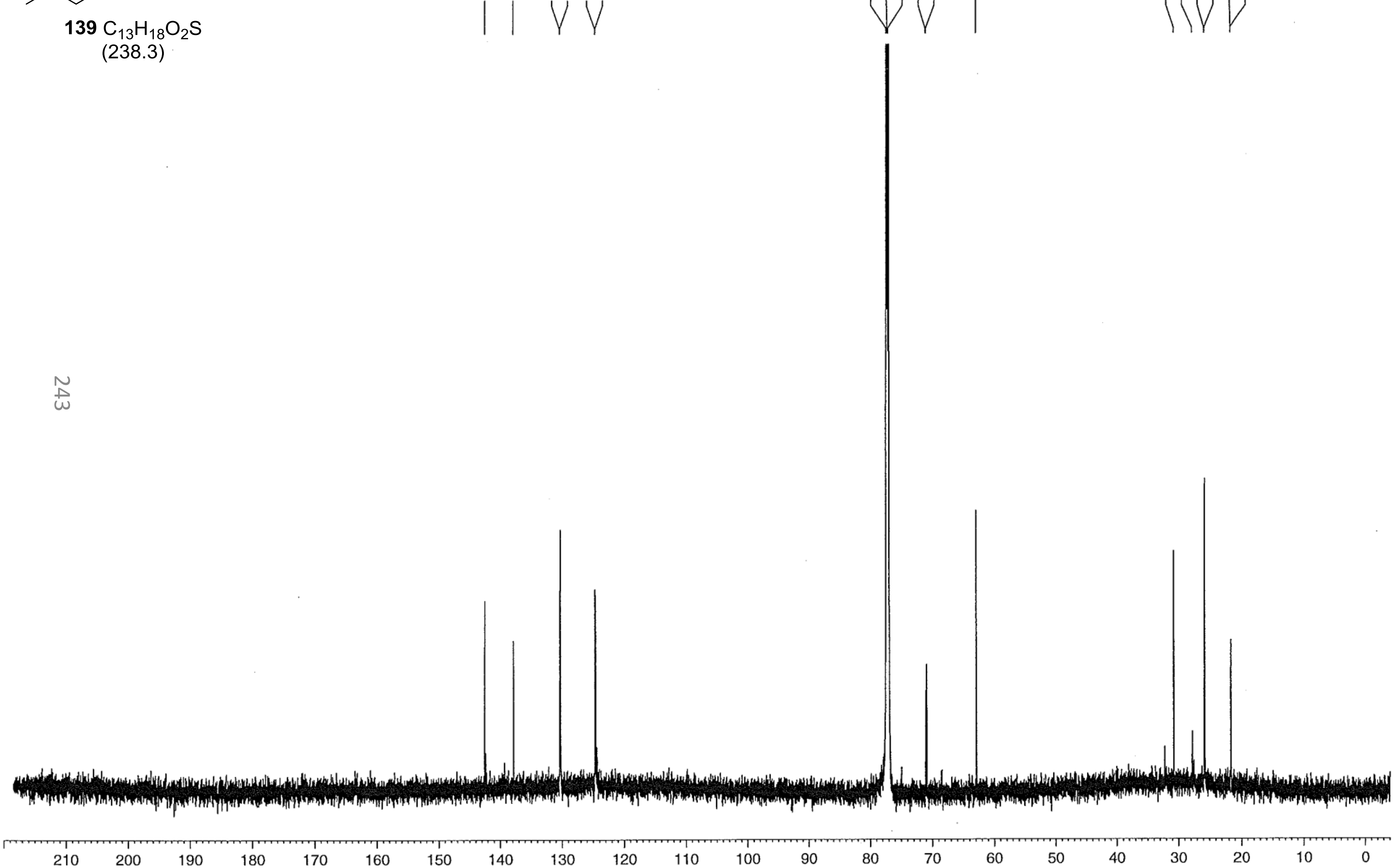
1H NMR: 700 MHz, CDCl3

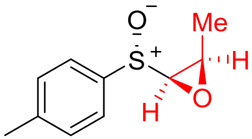


13C NMR: 175 MHz, CDCl3



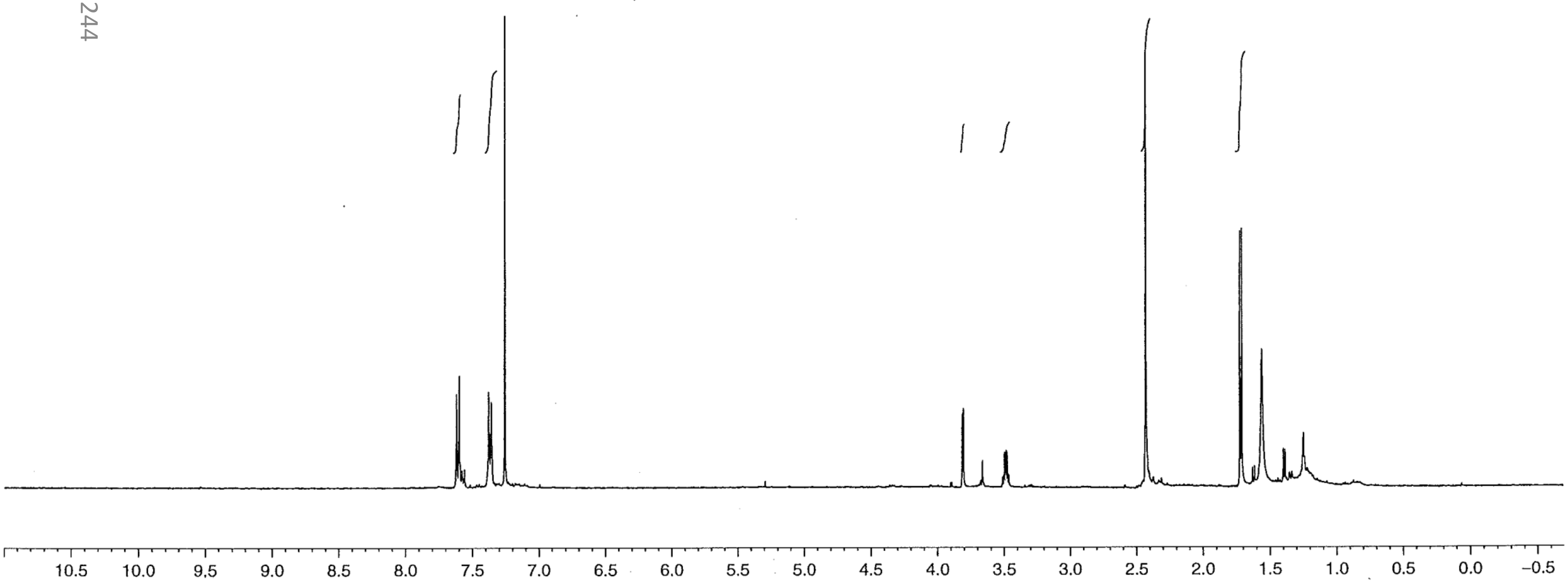
139 $C_{13}H_{18}O_2S$
(238.3)

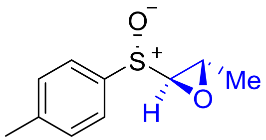




137c $C_{10}H_{12}O_2S$
(196.06)

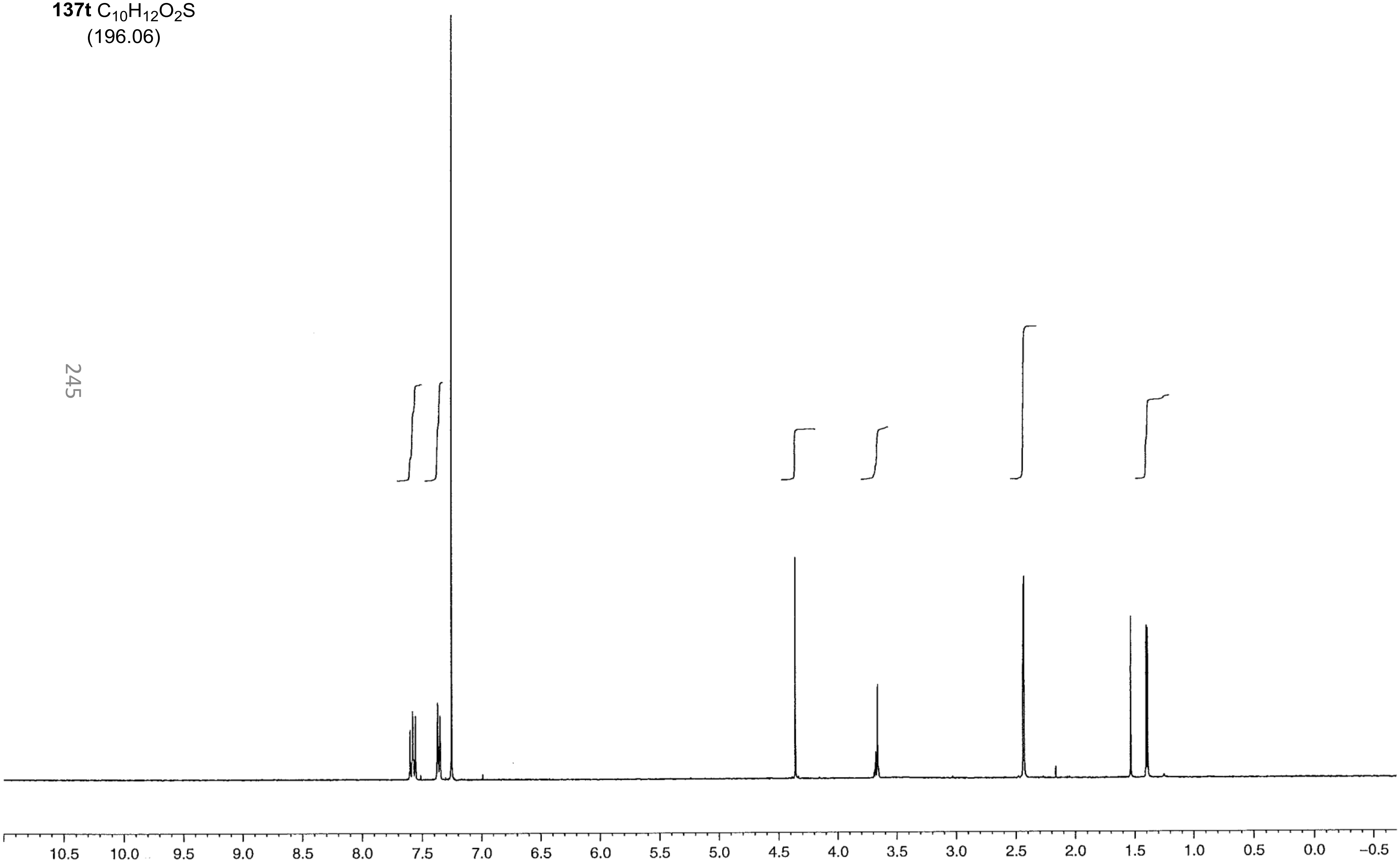
1H NMR: 400 MHz, CDCl3

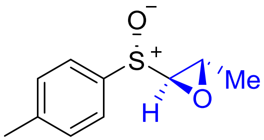




137t $C_{10}H_{12}O_2S$
(196.06)

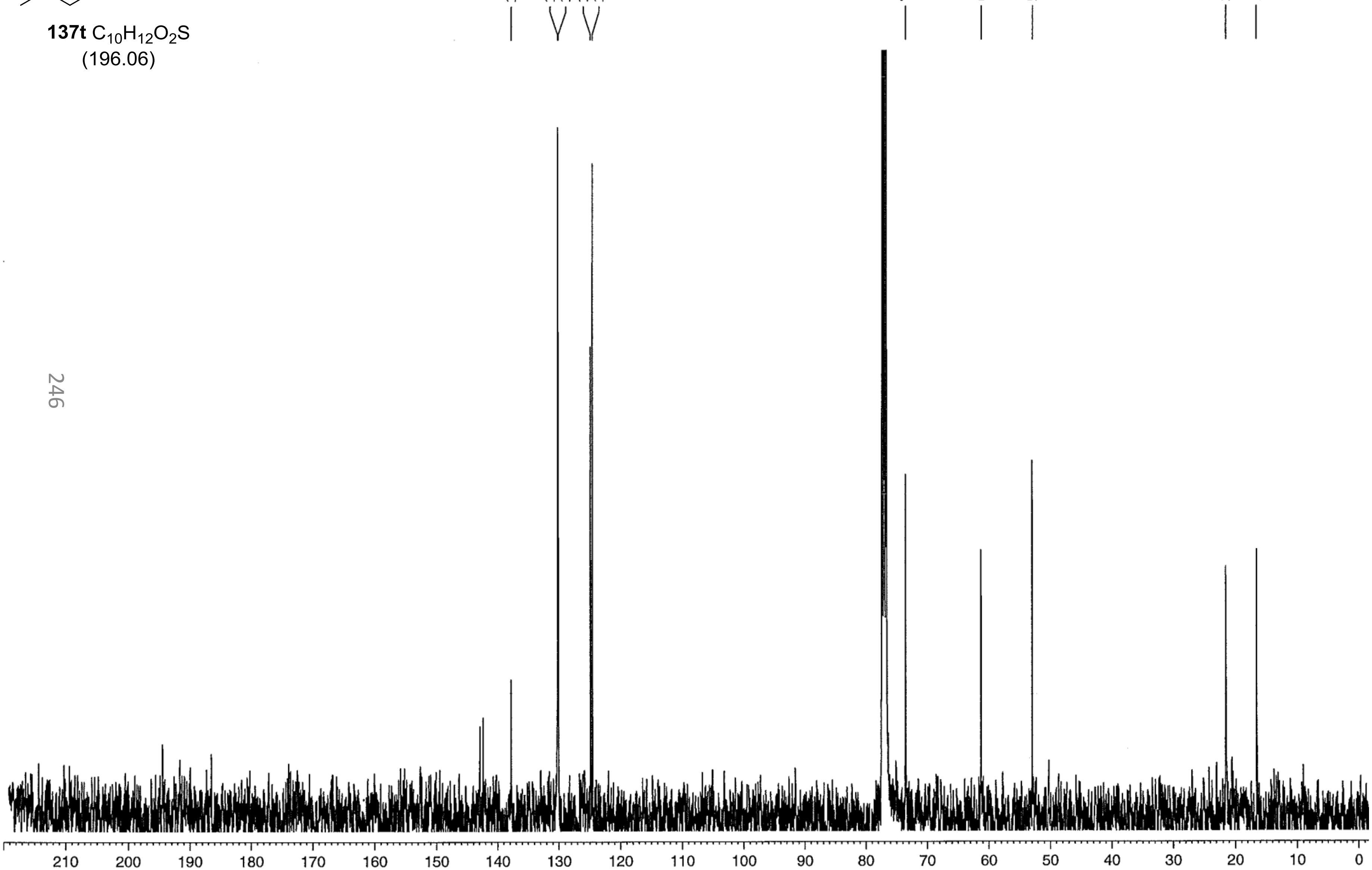
1H NMR: 400 MHz, CDCl3



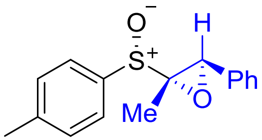


137t $C_{10}H_{12}O_2S$
(196.06)

13C NMR: 100 MHz, CDCl3

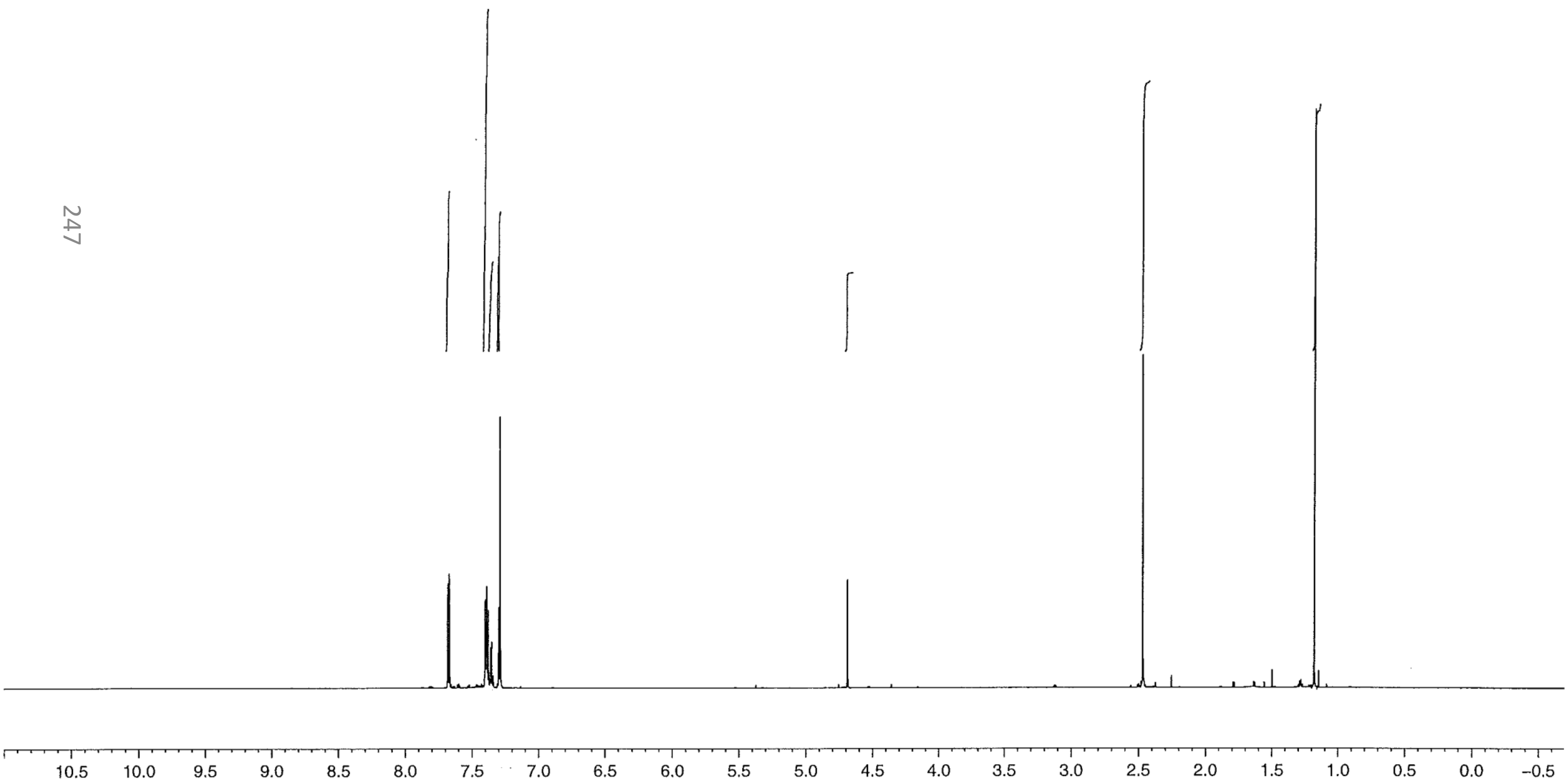


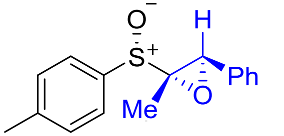
246



167t' $C_{16}H_{16}O_2S$
(272.4)

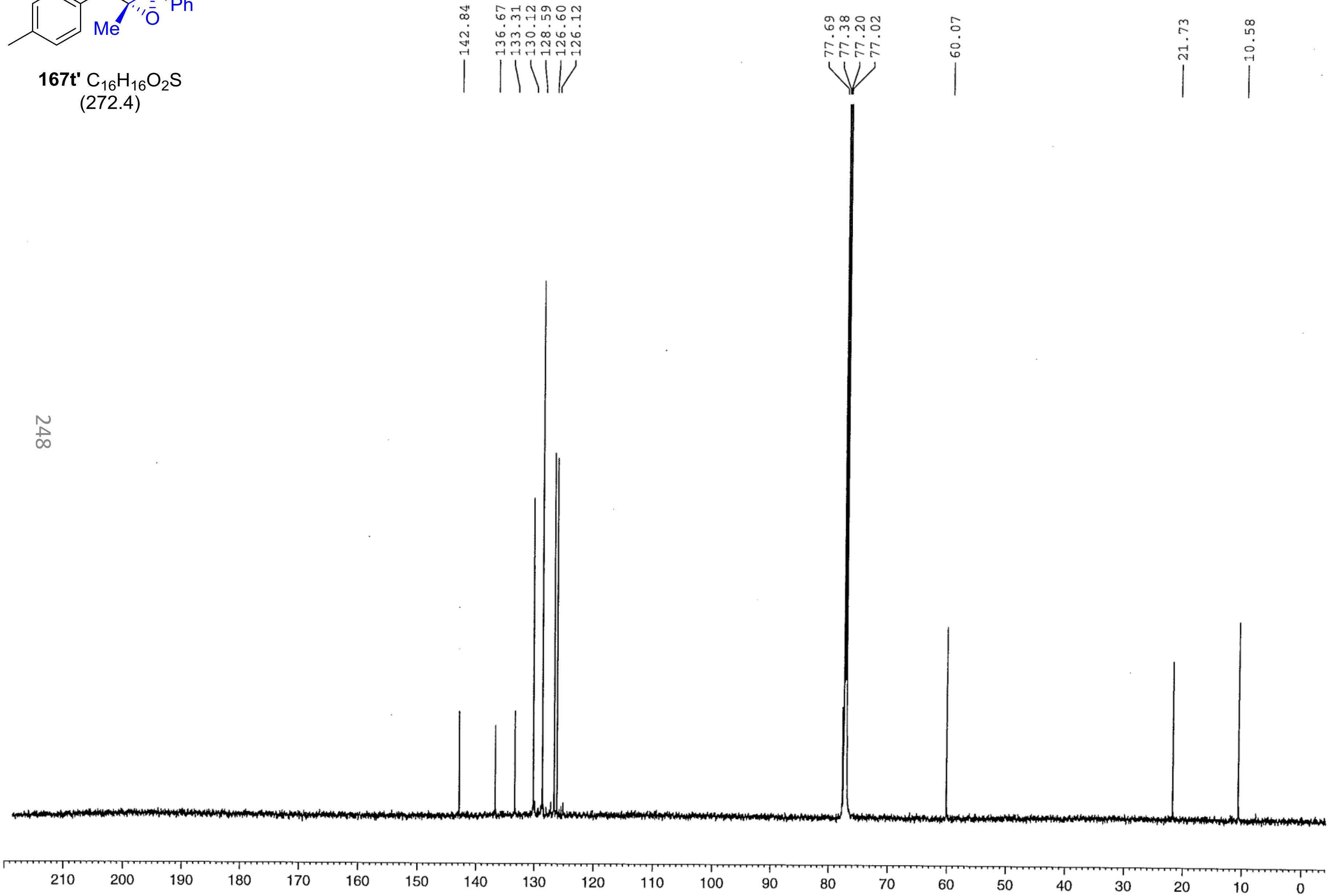
1H NMR: 700 MHz, CDCl3

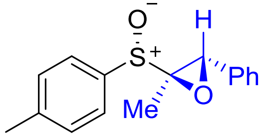




167t' $C_{16}H_{16}O_2S$
(272.4)

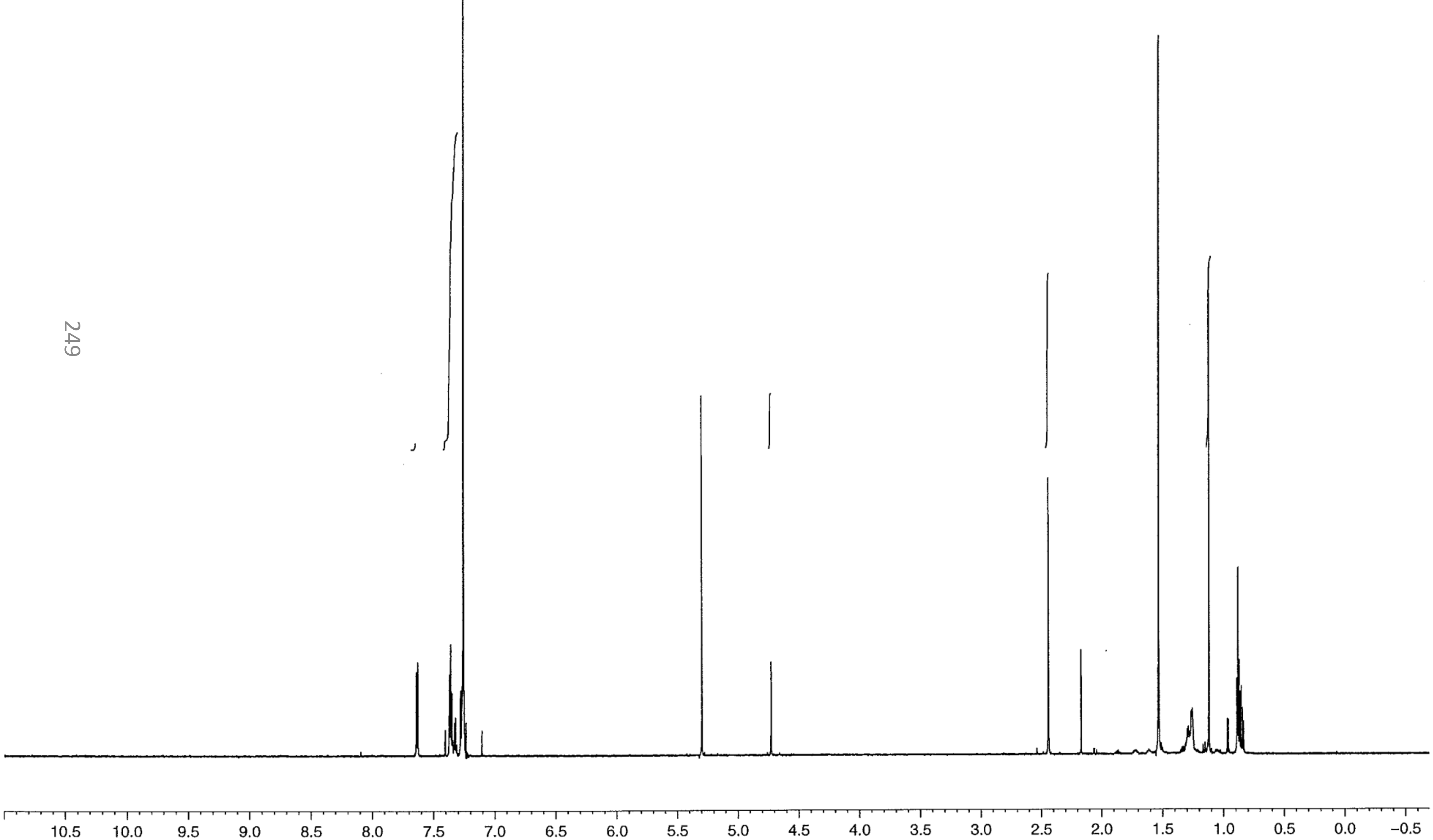
13C NMR: 175 MHz, CDCl3



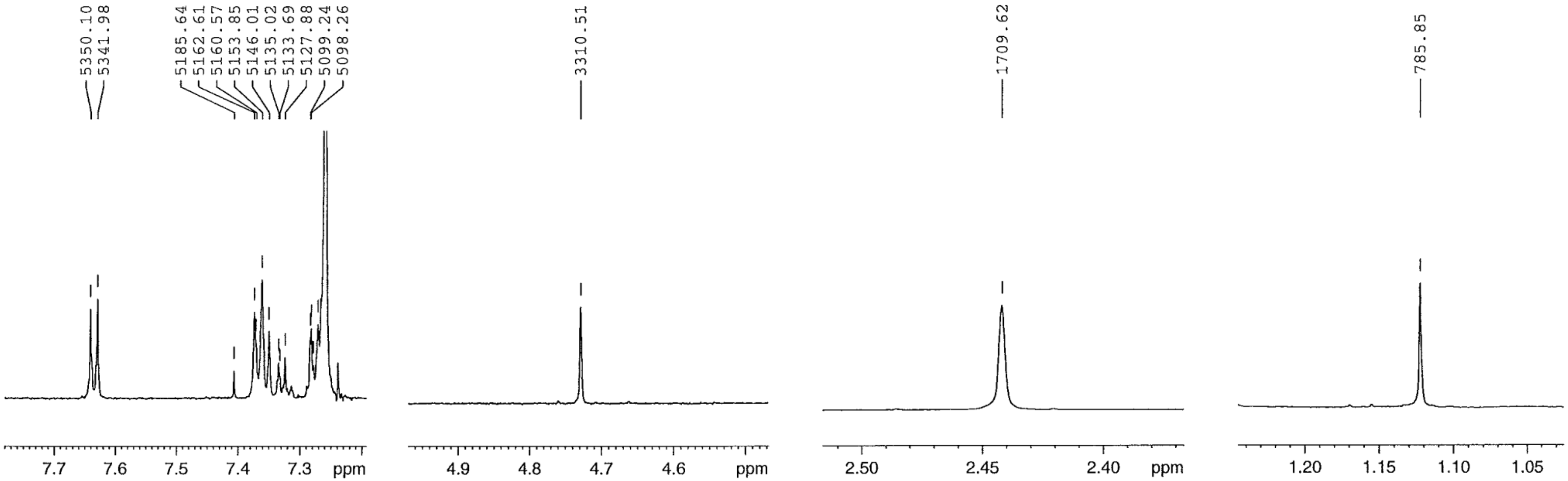


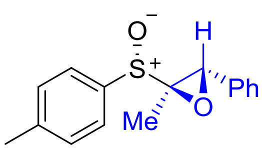
167t $C_{16}H_{16}O_2S$
(272.4)

1H NMR: 700 MHz, CDCl3



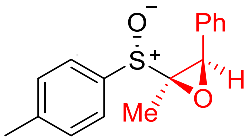
1H NMR: 700 MHz, CDCl3



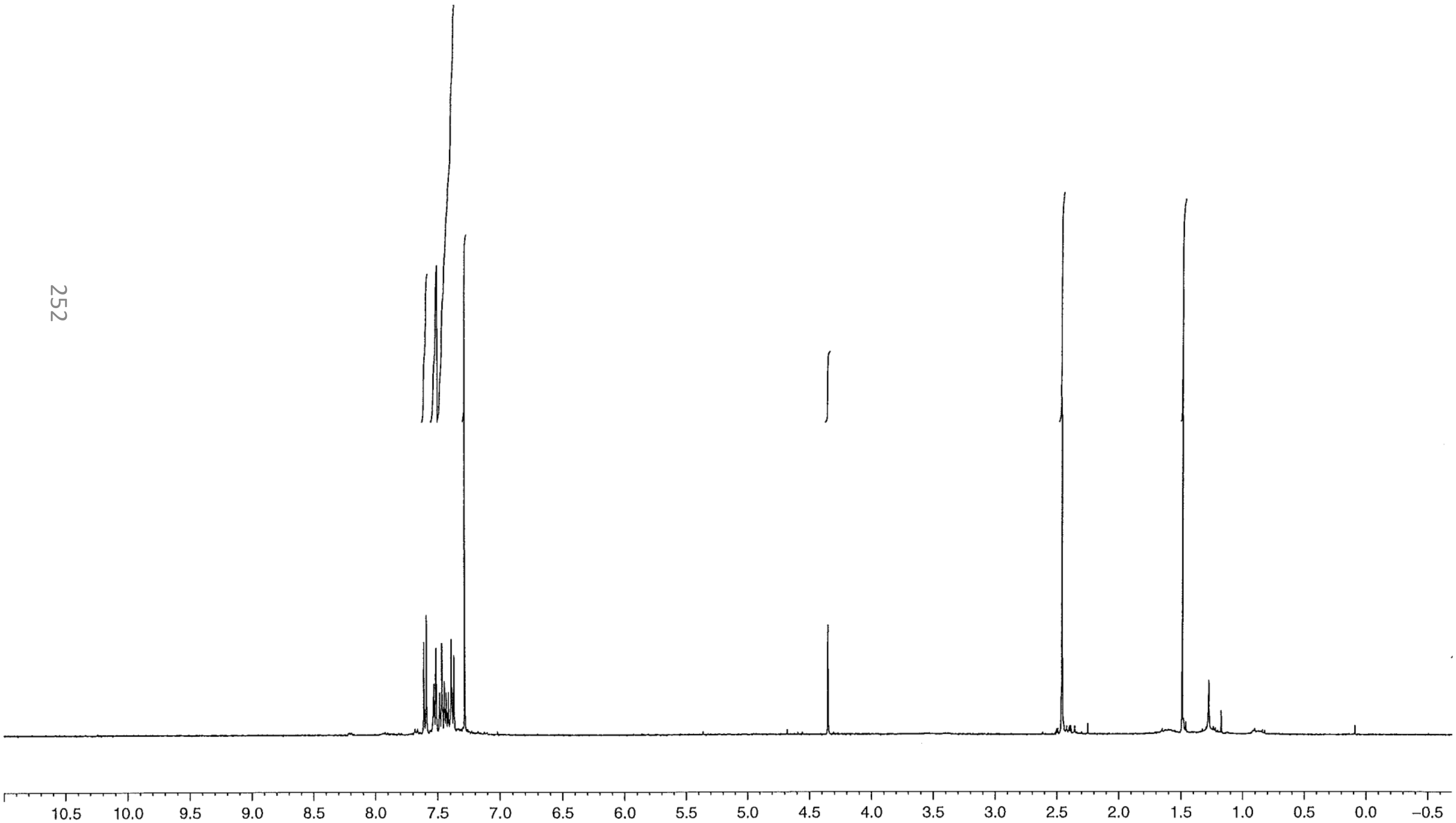


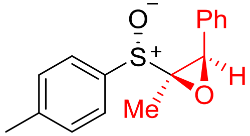
167t $C_{16}H_{16}O_2S$
(272.4)

1H NMR: 400 MHz, CDCl3



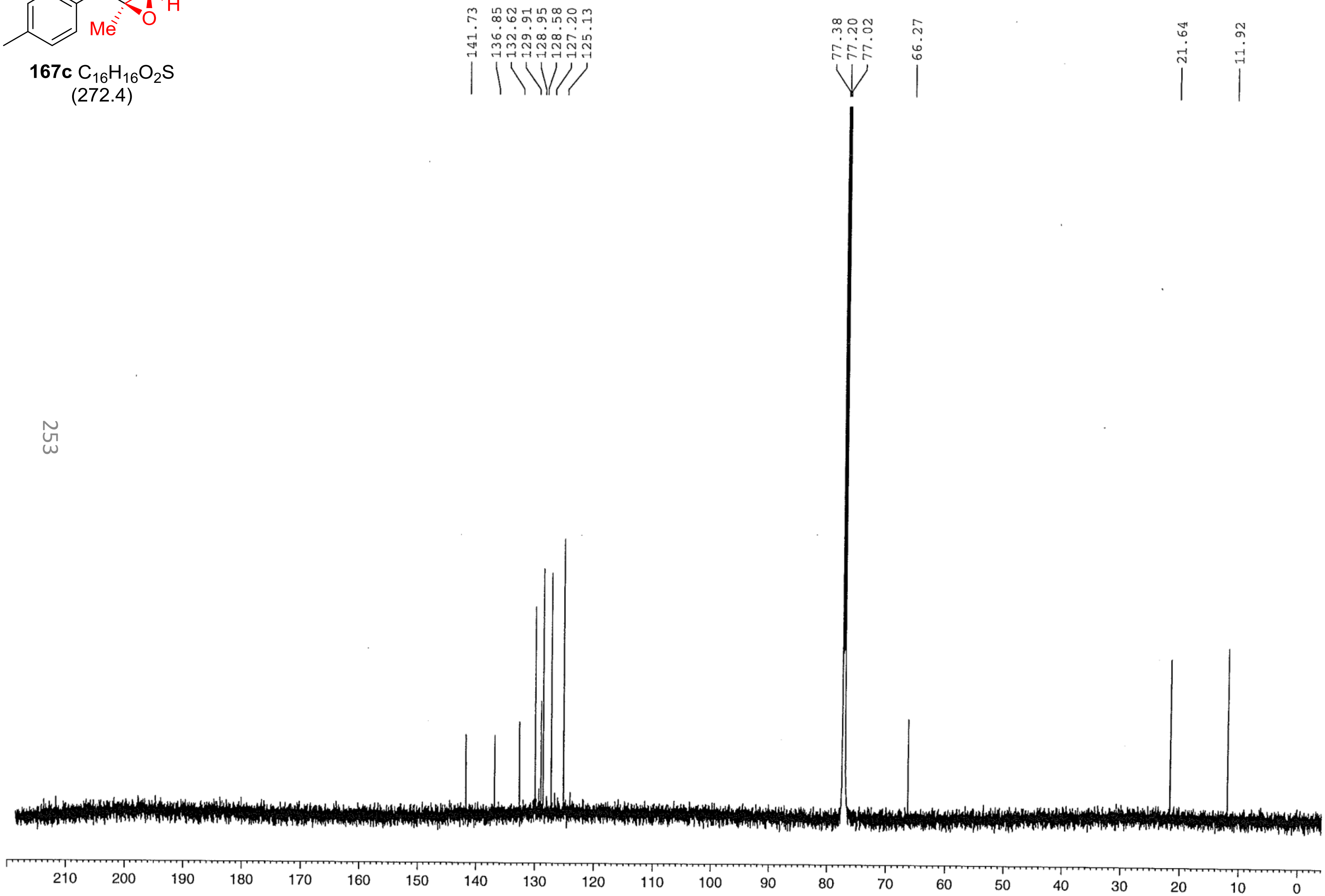
167c $C_{16}H_{16}O_2S$
(272.4)

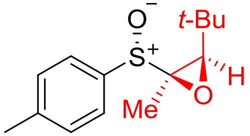




167c $C_{16}H_{16}O_2S$
(272.4)

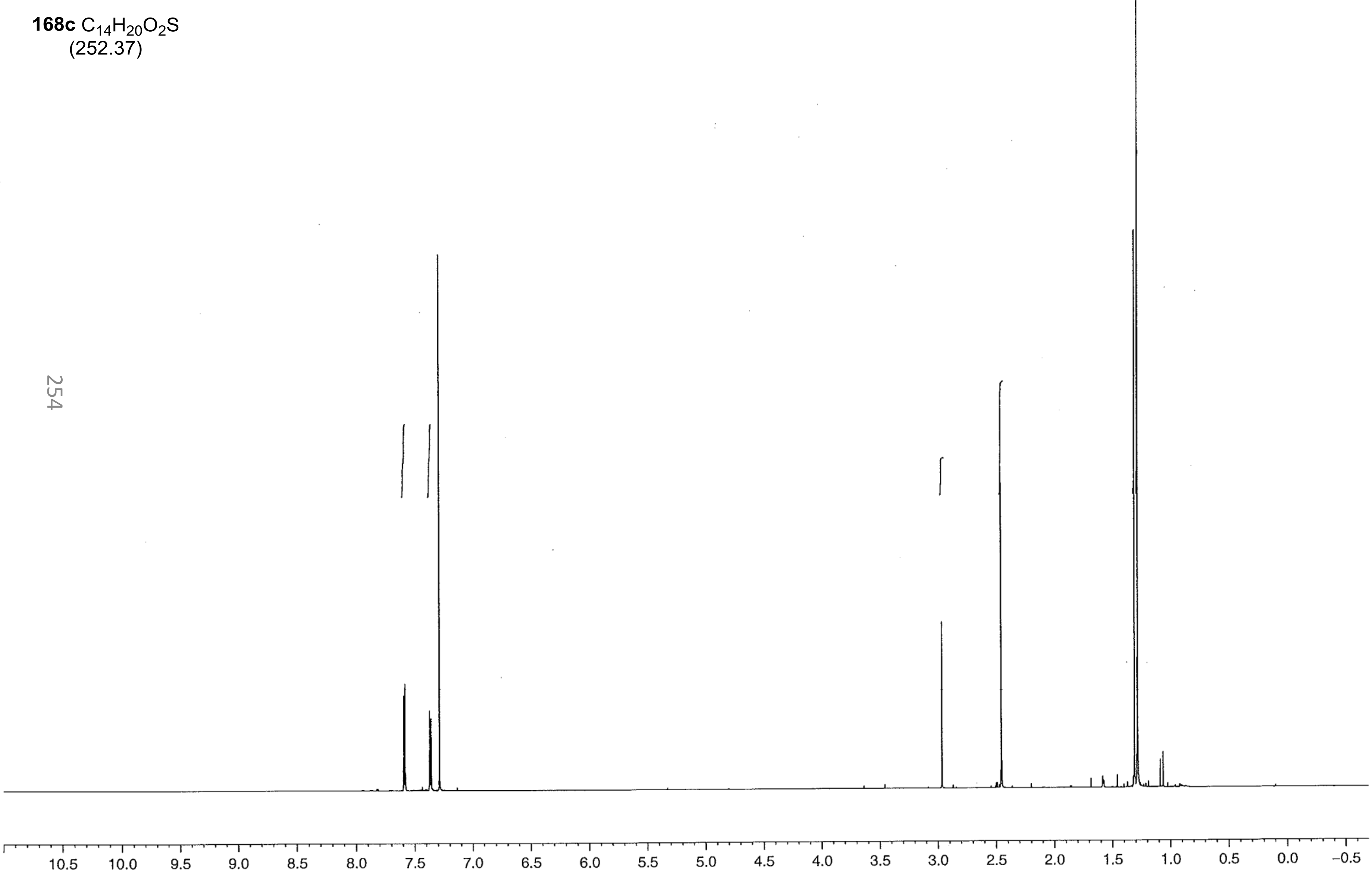
13C NMR: 175 MHz, CDCl3

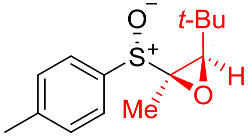




168c $C_{14}H_{20}O_2S$
(252.37)

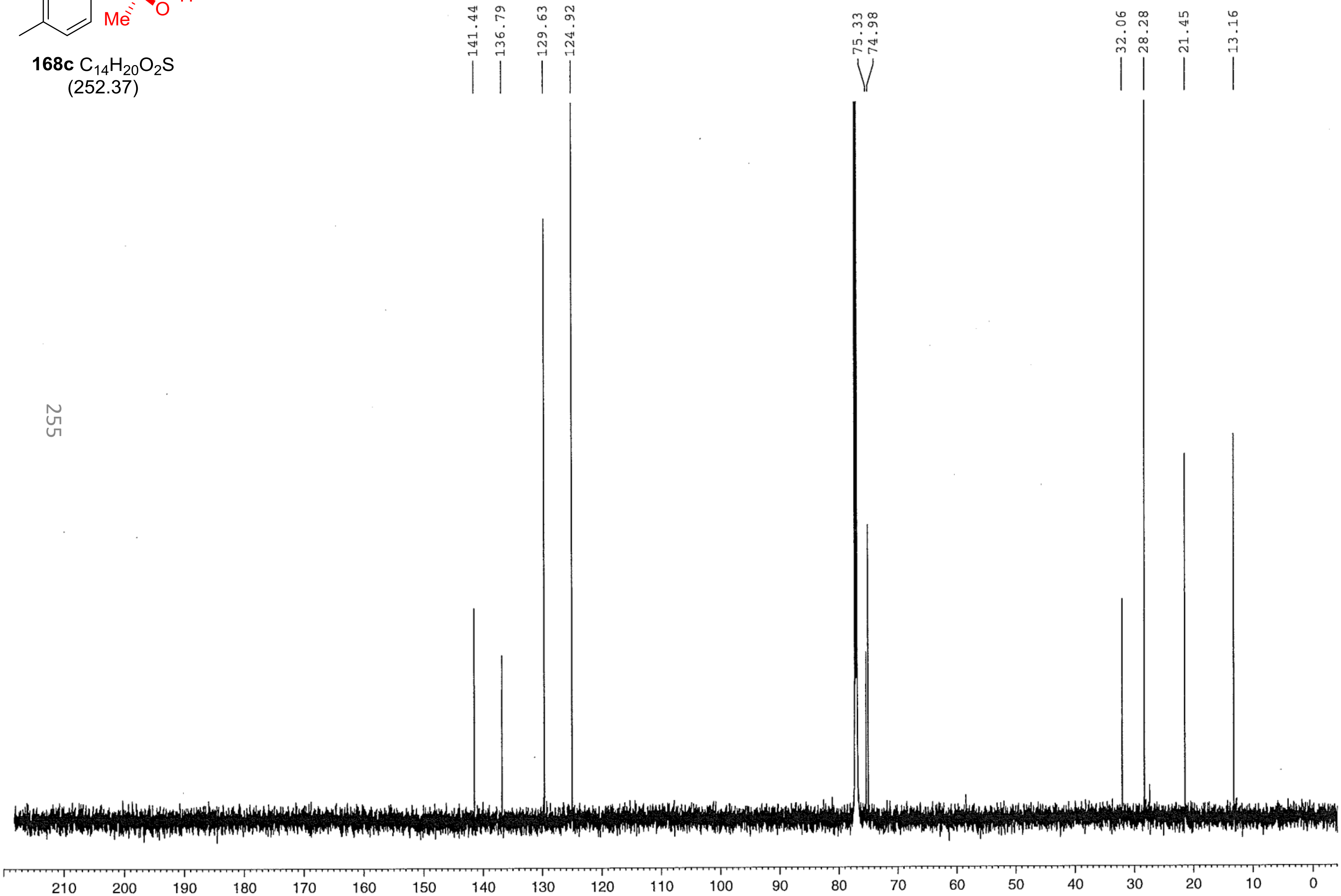
1H NMR: 700 MHz, CDCl3

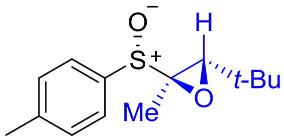




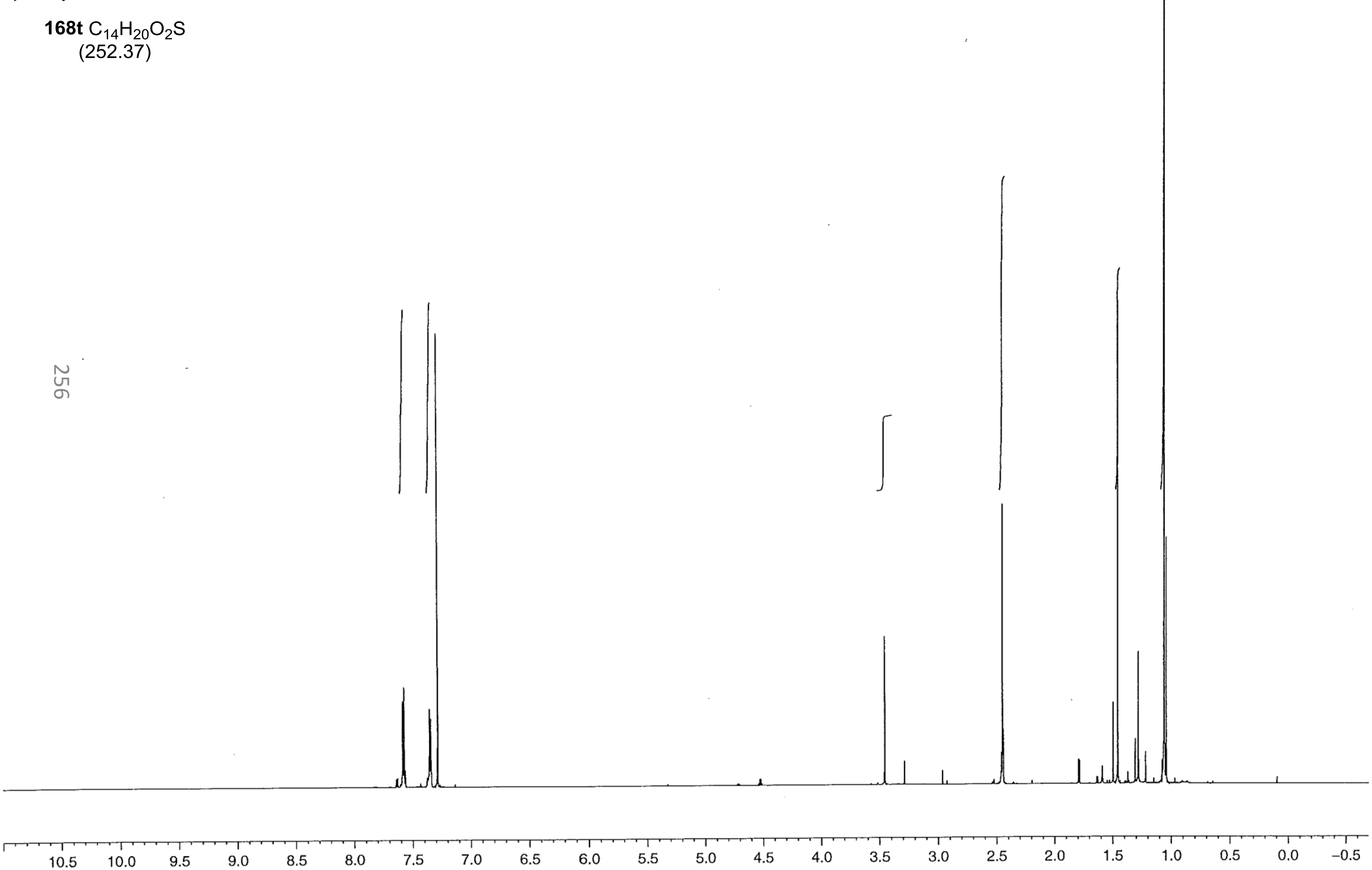
168c $C_{14}H_{20}O_2S$
(252.37)

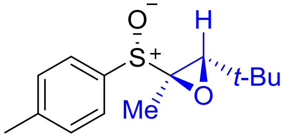
13C NMR: 175 MHz, CDCl3





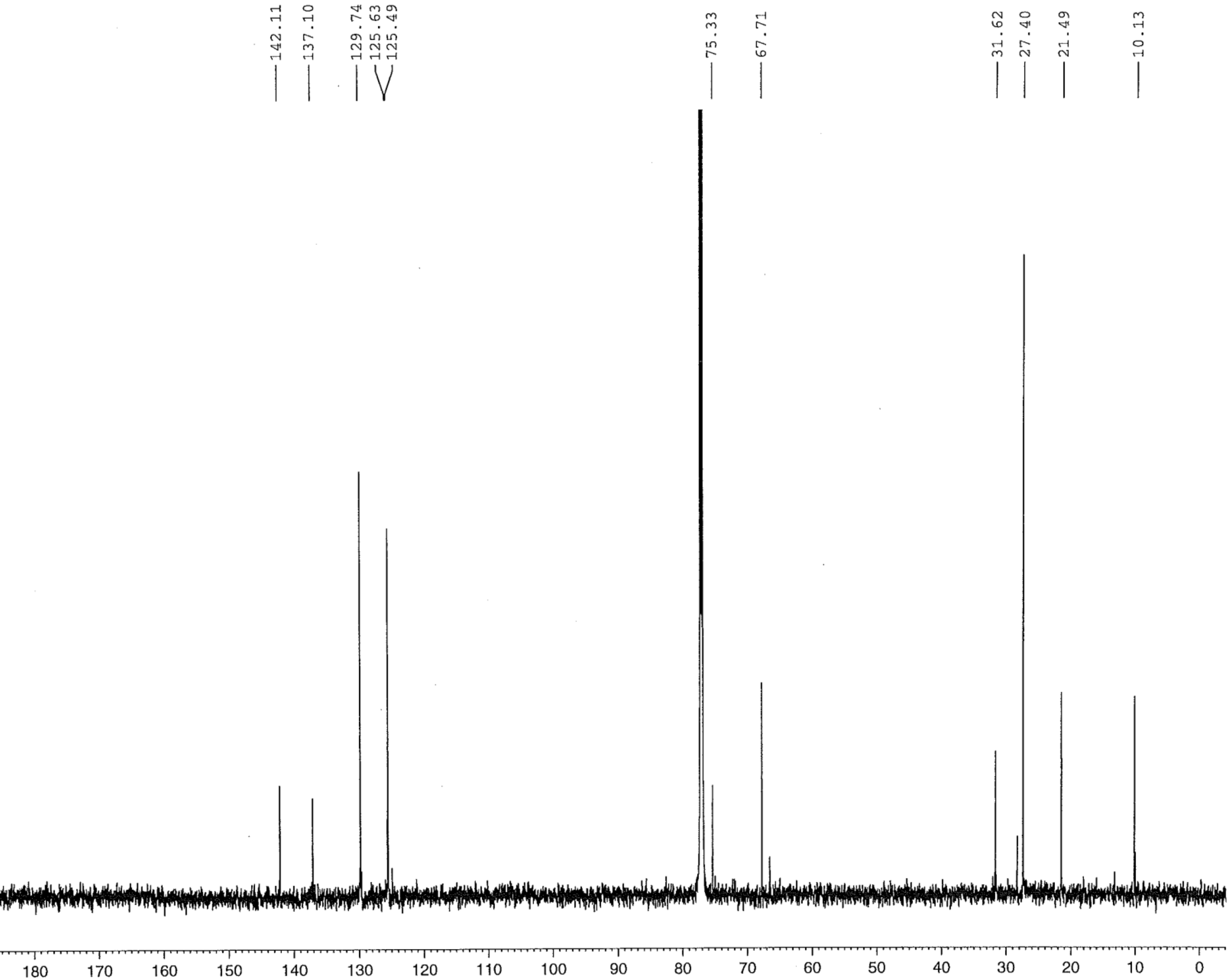
168t $C_{14}H_{20}O_2S$
(252.37)



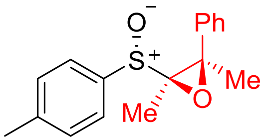


168t $C_{14}H_{20}O_2S$
(252.37)

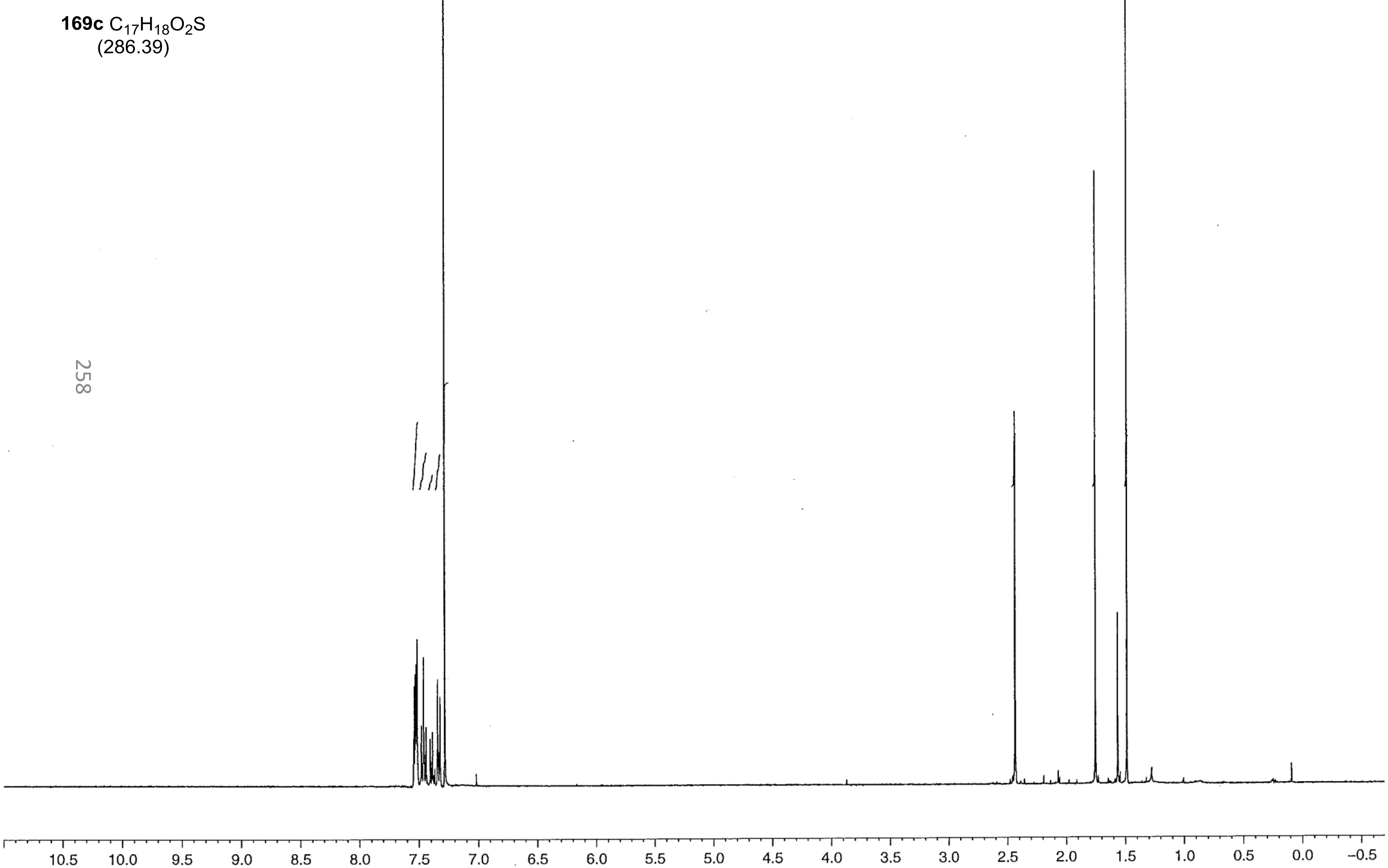
13C NMR: 175 MHz, CDCl3



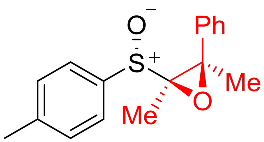
1H NMR: 700 MHz, CDCl3



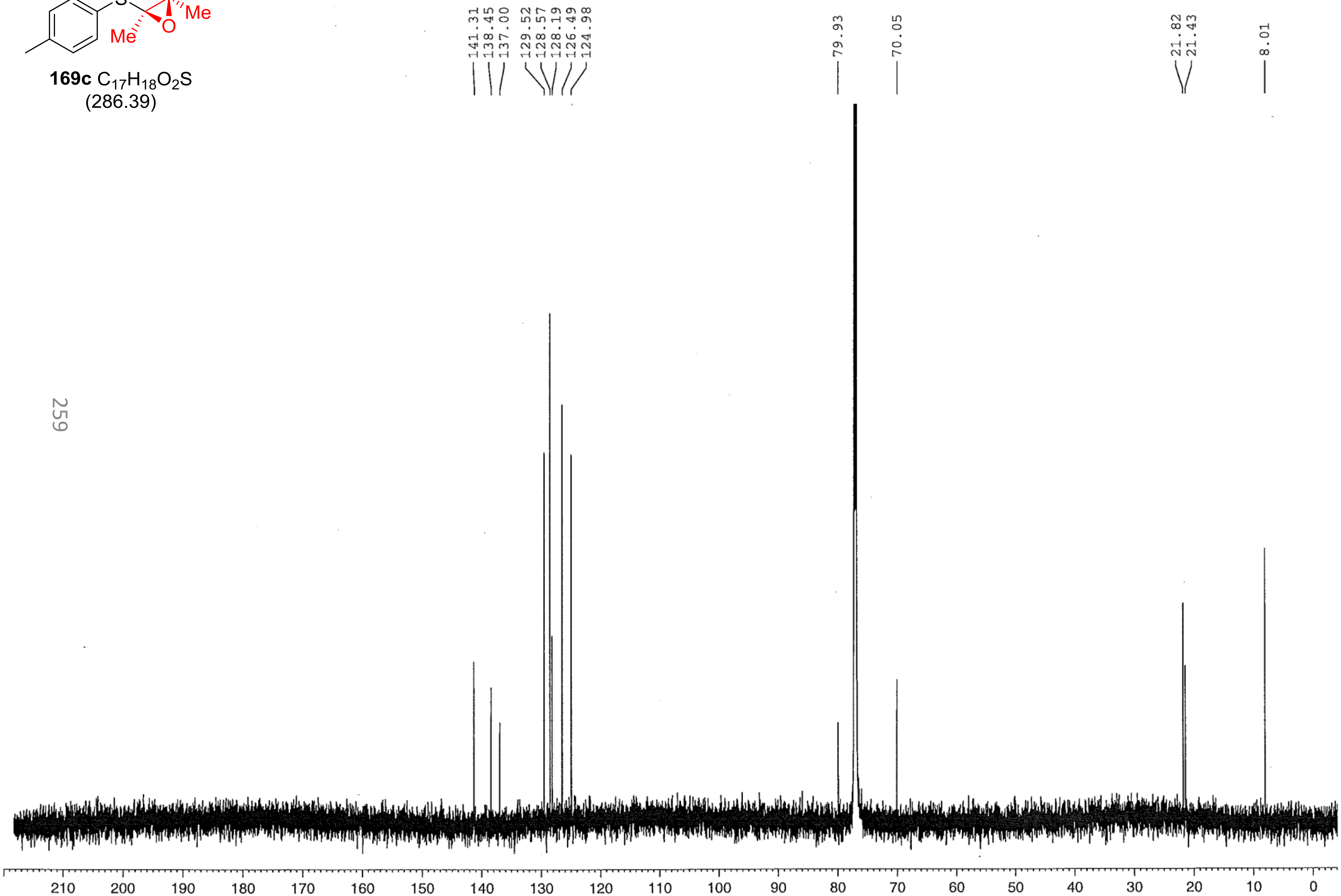
169c $C_{17}H_{18}O_2S$
(286.39)

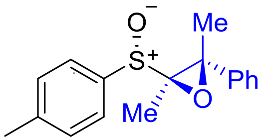


13C NMR: 175 MHz, CDCl3



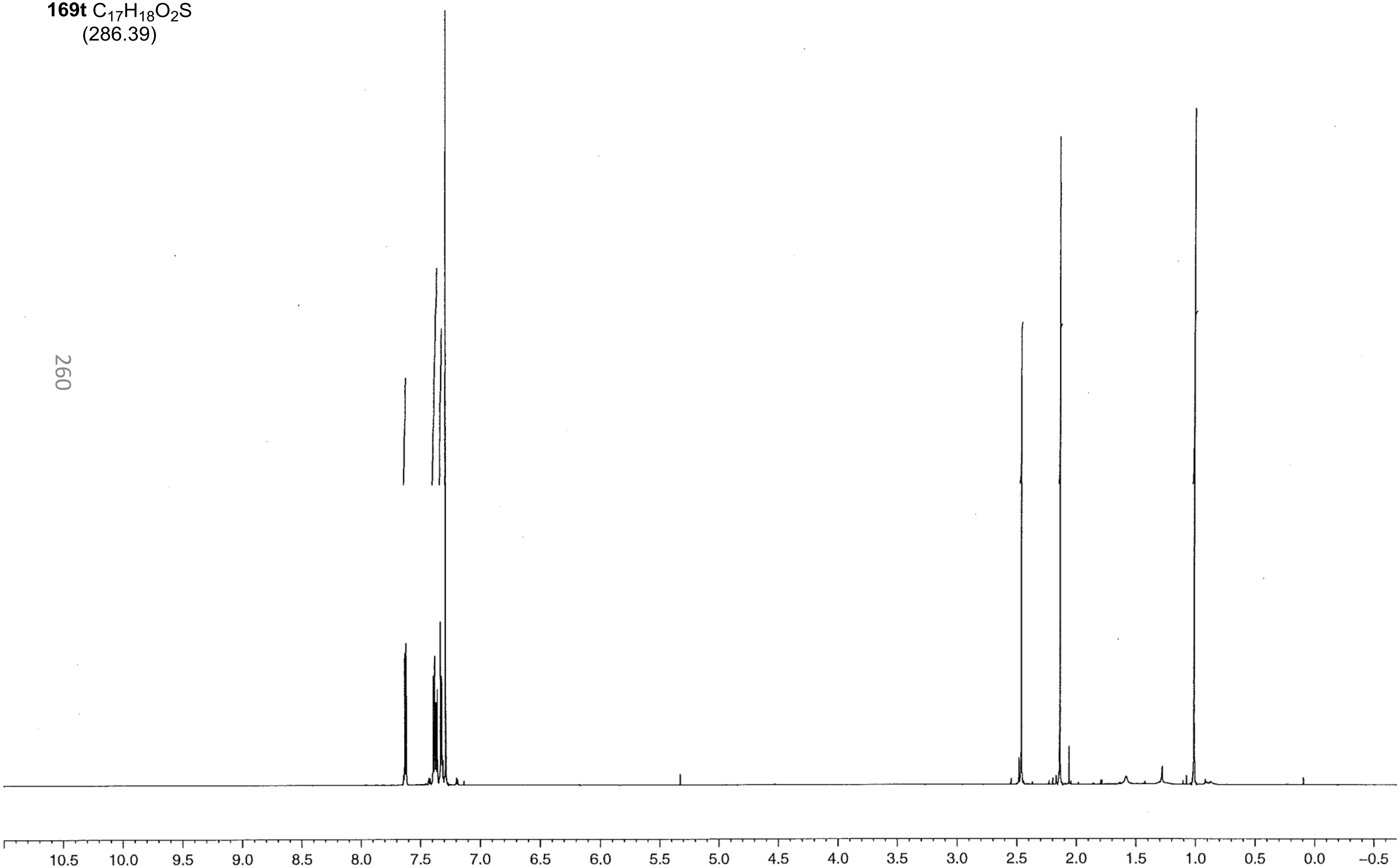
169c $C_{17}H_{18}O_2S$
(286.39)



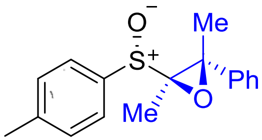


169t $C_{17}H_{18}O_2S$
(286.39)

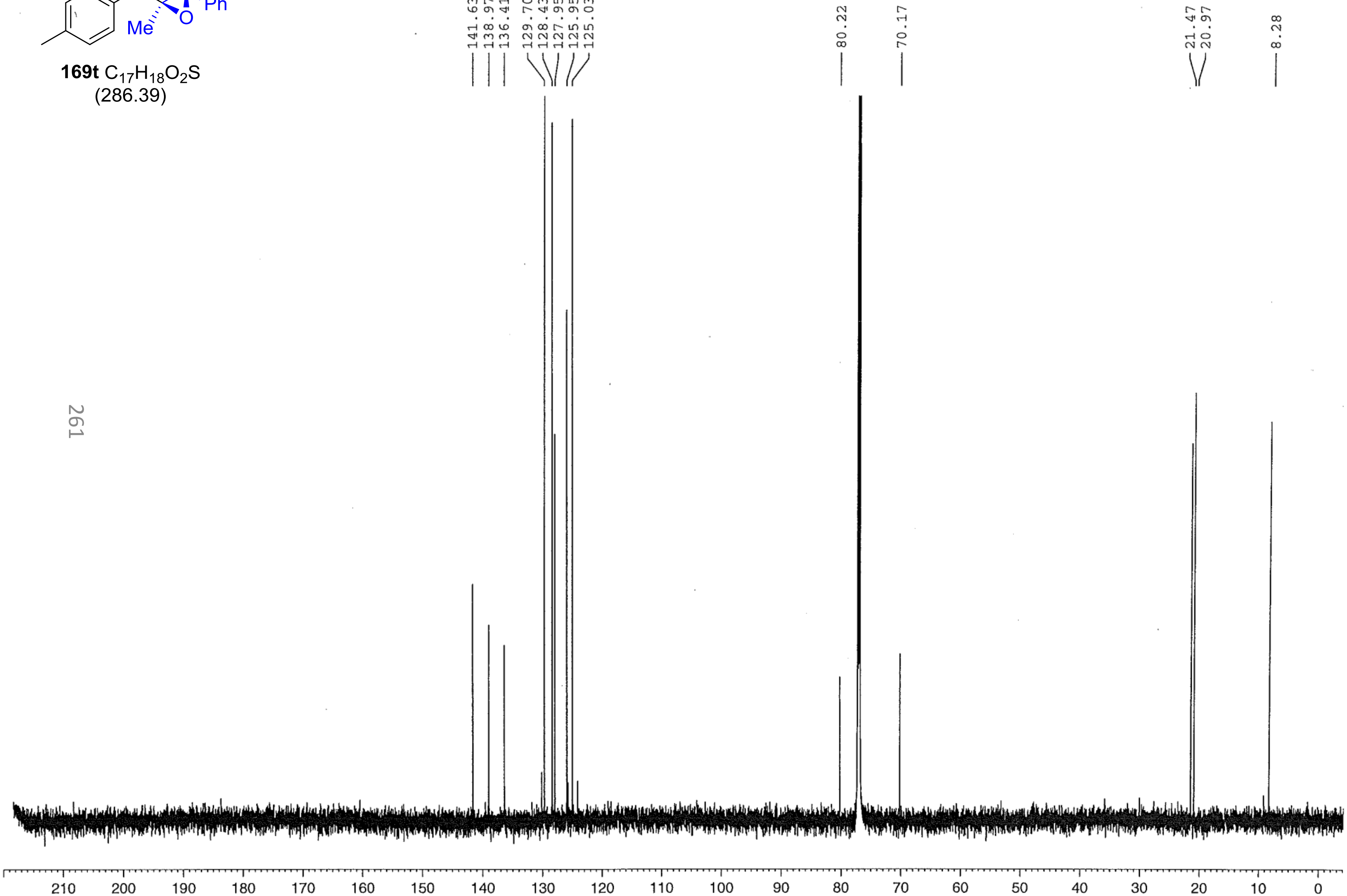
1H NMR: 700 MHz, CDCl3

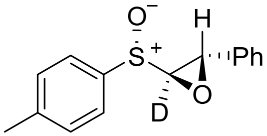


13C NMR: 175 MHz, CDCl3



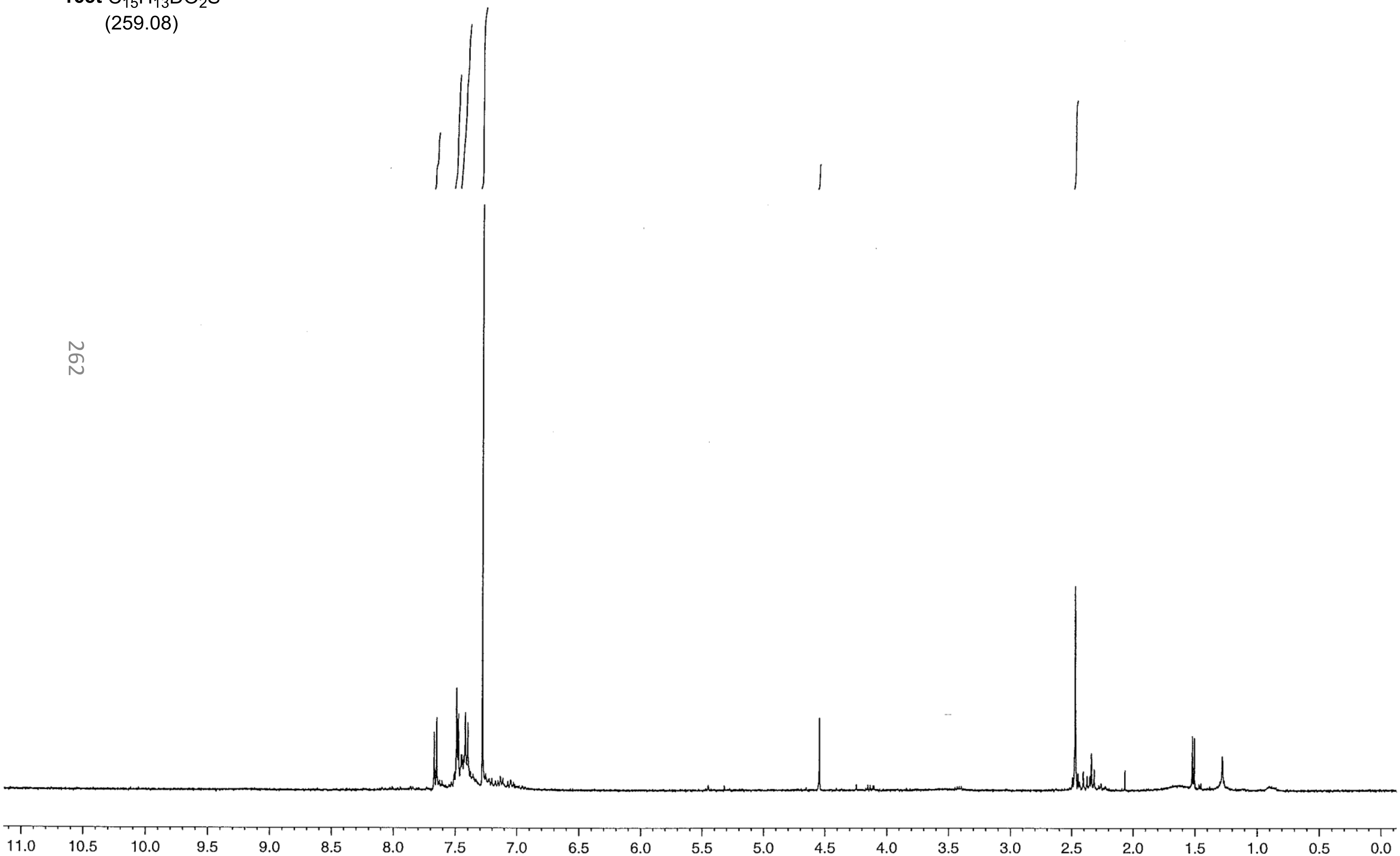
169t $C_{17}H_{18}O_2S$
(286.39)

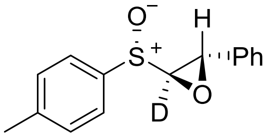




165t $C_{15}H_{13}DO_2S$
(259.08)

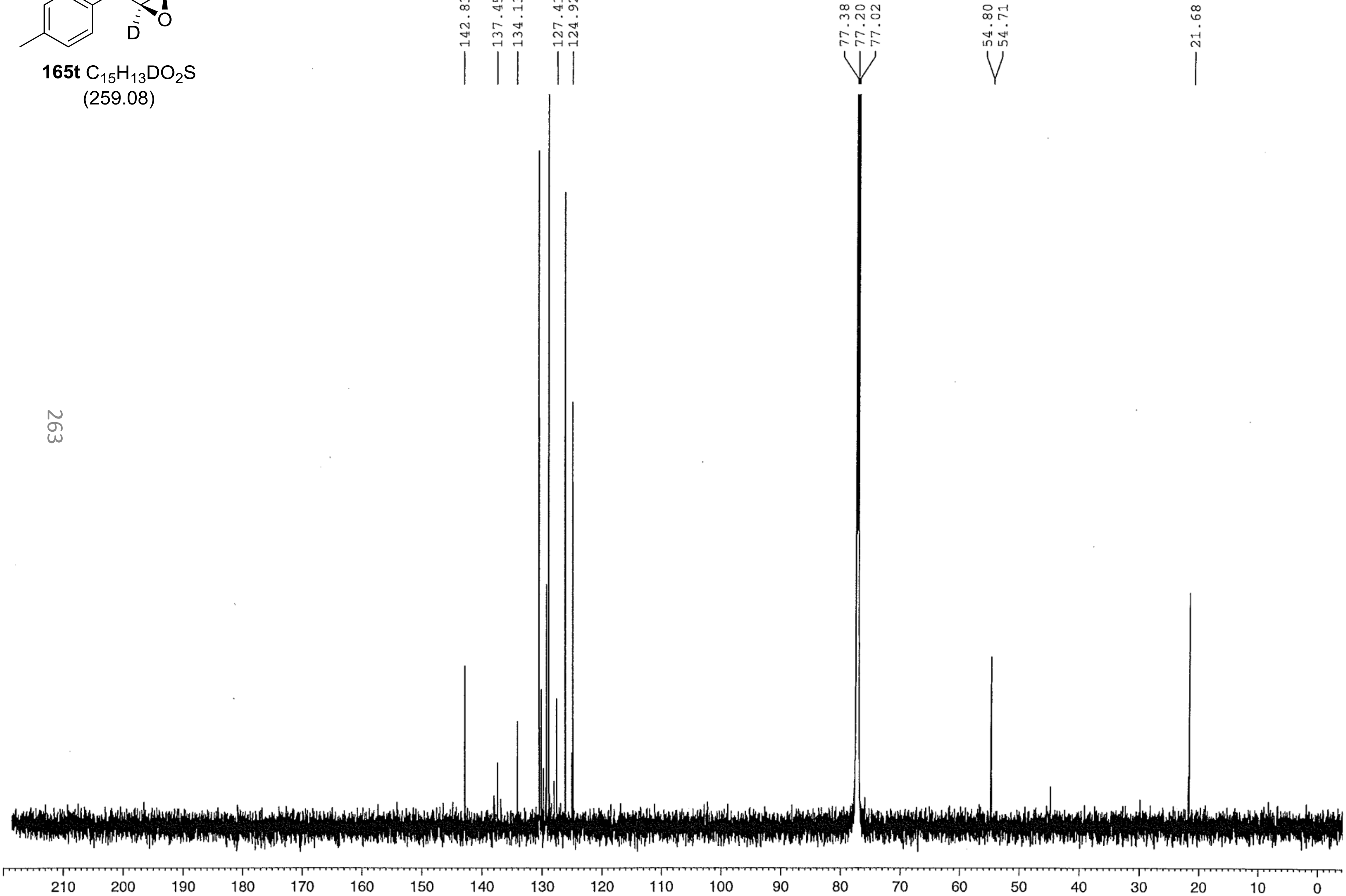
1H NMR: 400 MHz, CDCl3

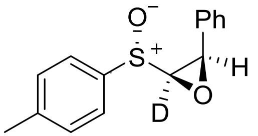




165t $C_{15}H_{13}DO_2S$
(259.08)

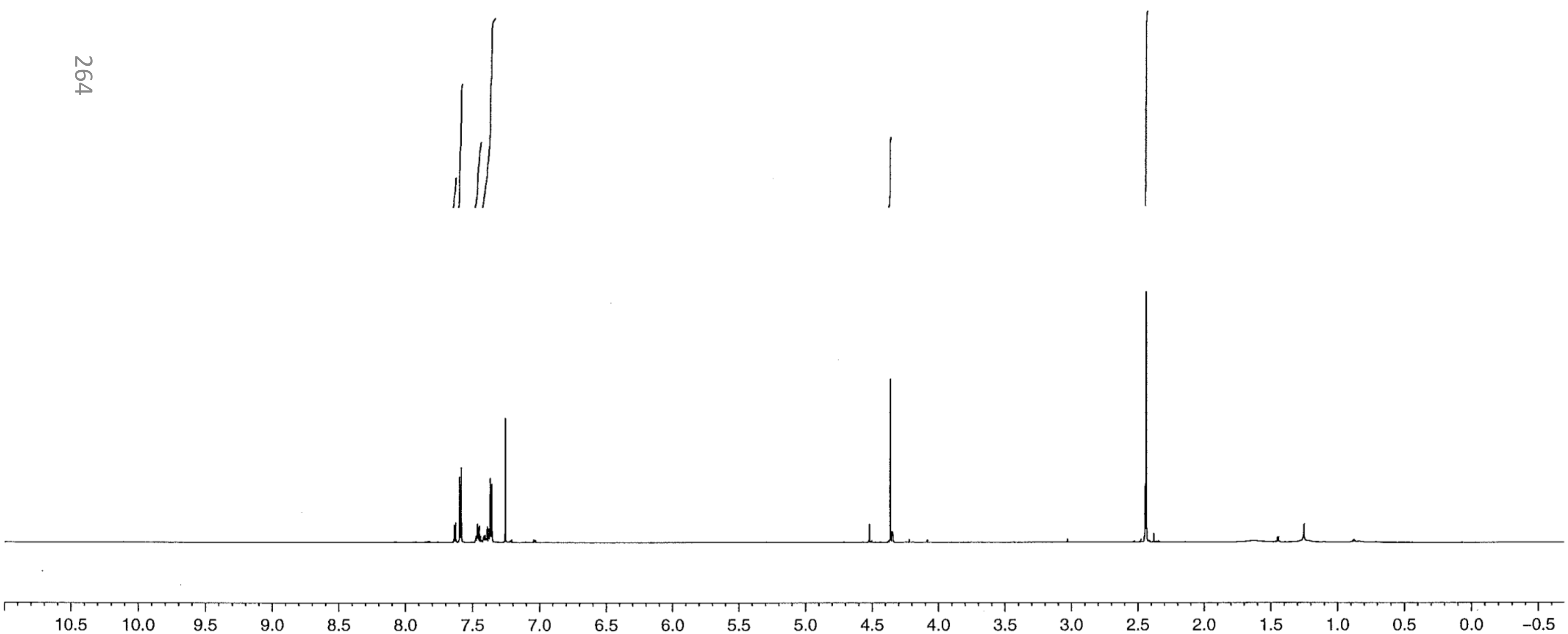
13C NMR: 175 MHz, CDCl3

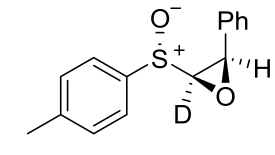




165c $C_{15}H_{13}DO_2S$ (259.08)

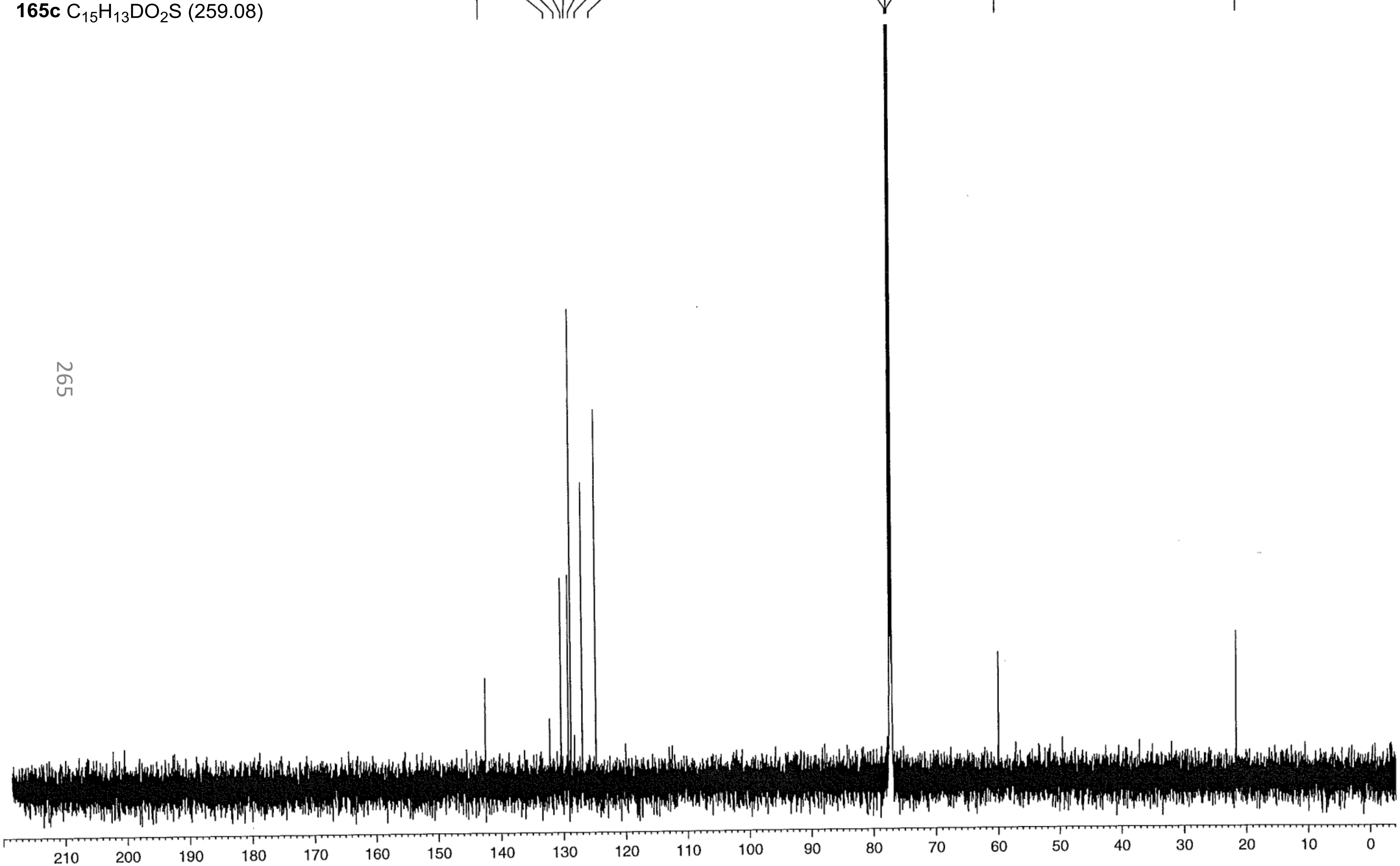
1H NMR: 700 MHz, CDCl3

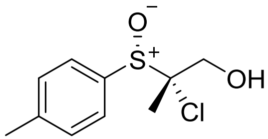




165c $C_{15}H_{13}DO_2S$ (259.08)

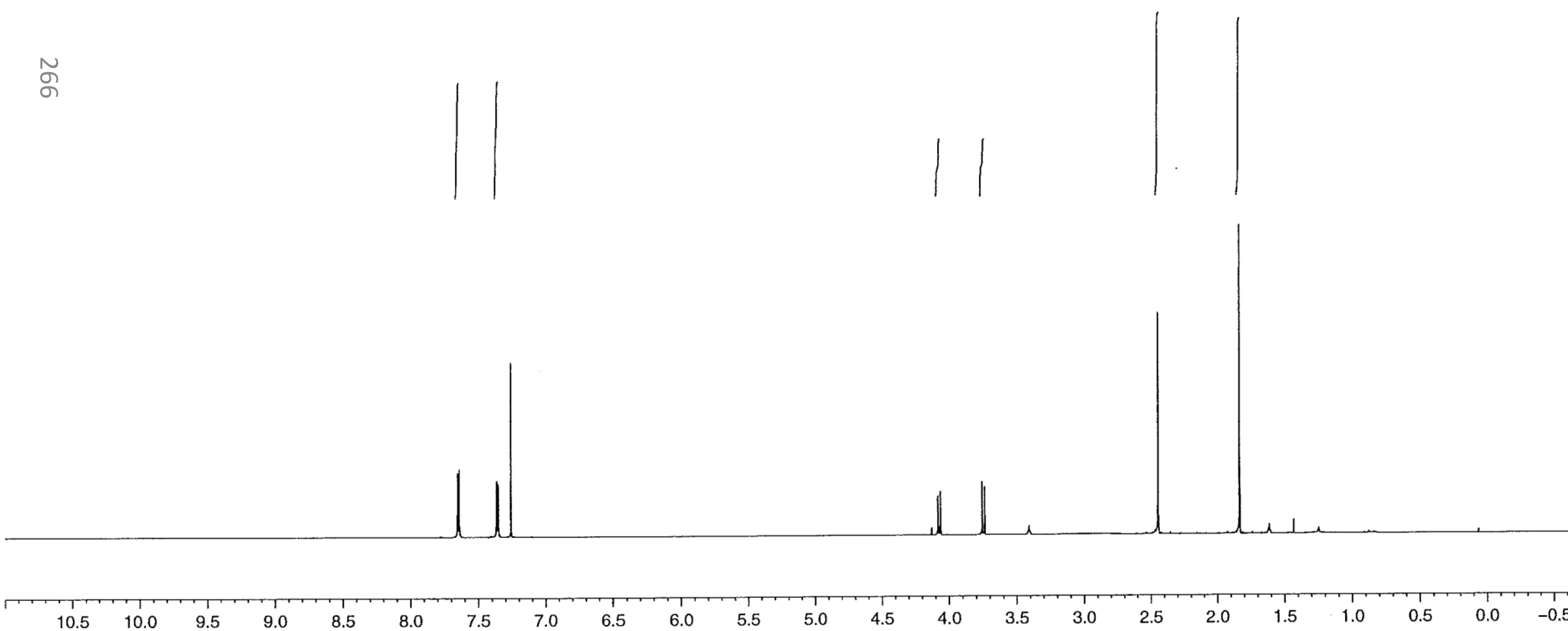
13C NMR: 175 MHz, CDCl3

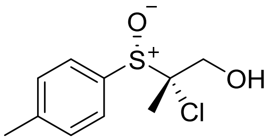




170 $C_{10}H_{13}ClO_2S$
(232.72)

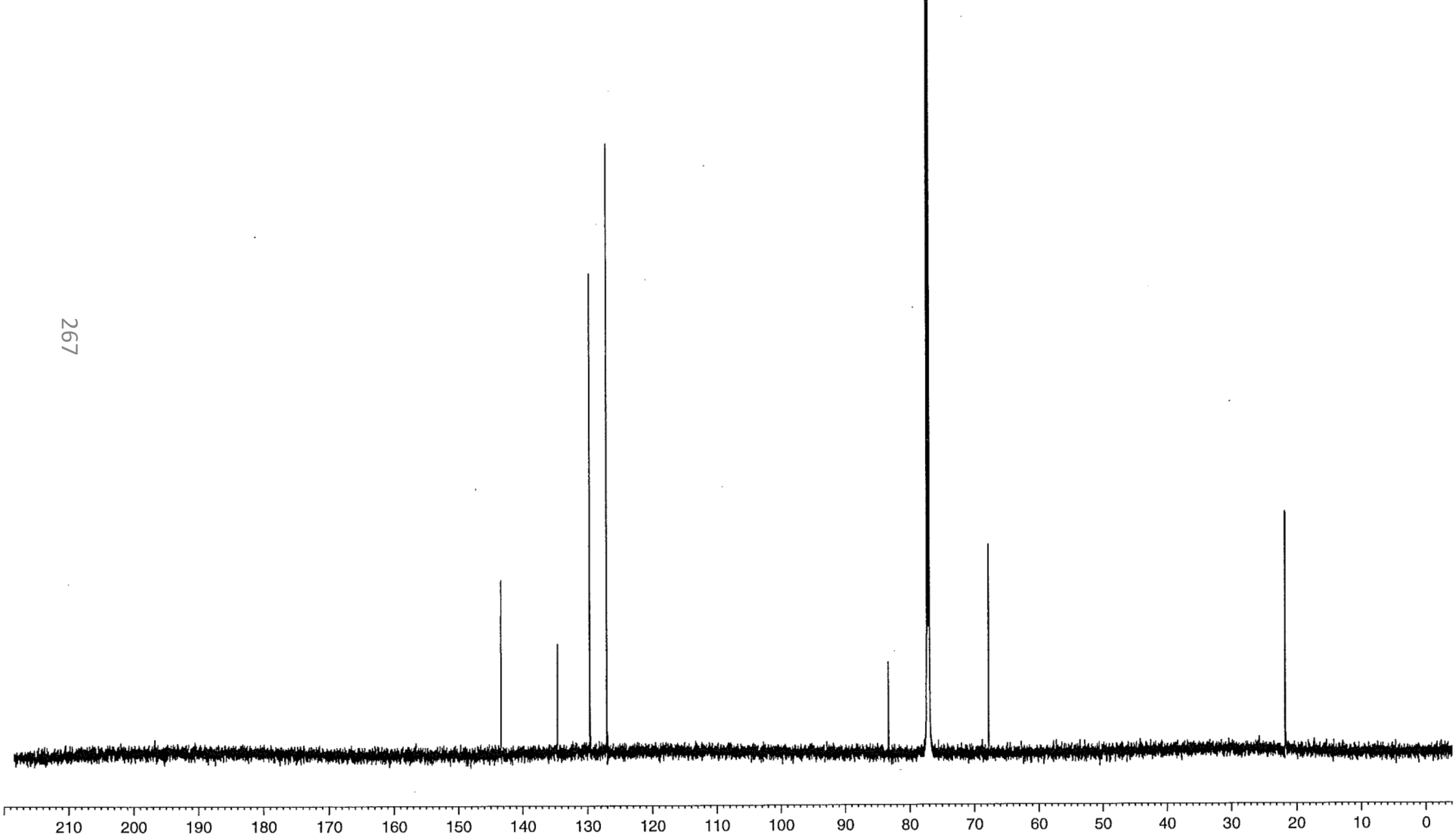
1H NMR: 700 MHz, CDCl3



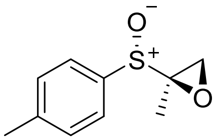


170 $C_{10}H_{13}ClO_2S$
(232.72)

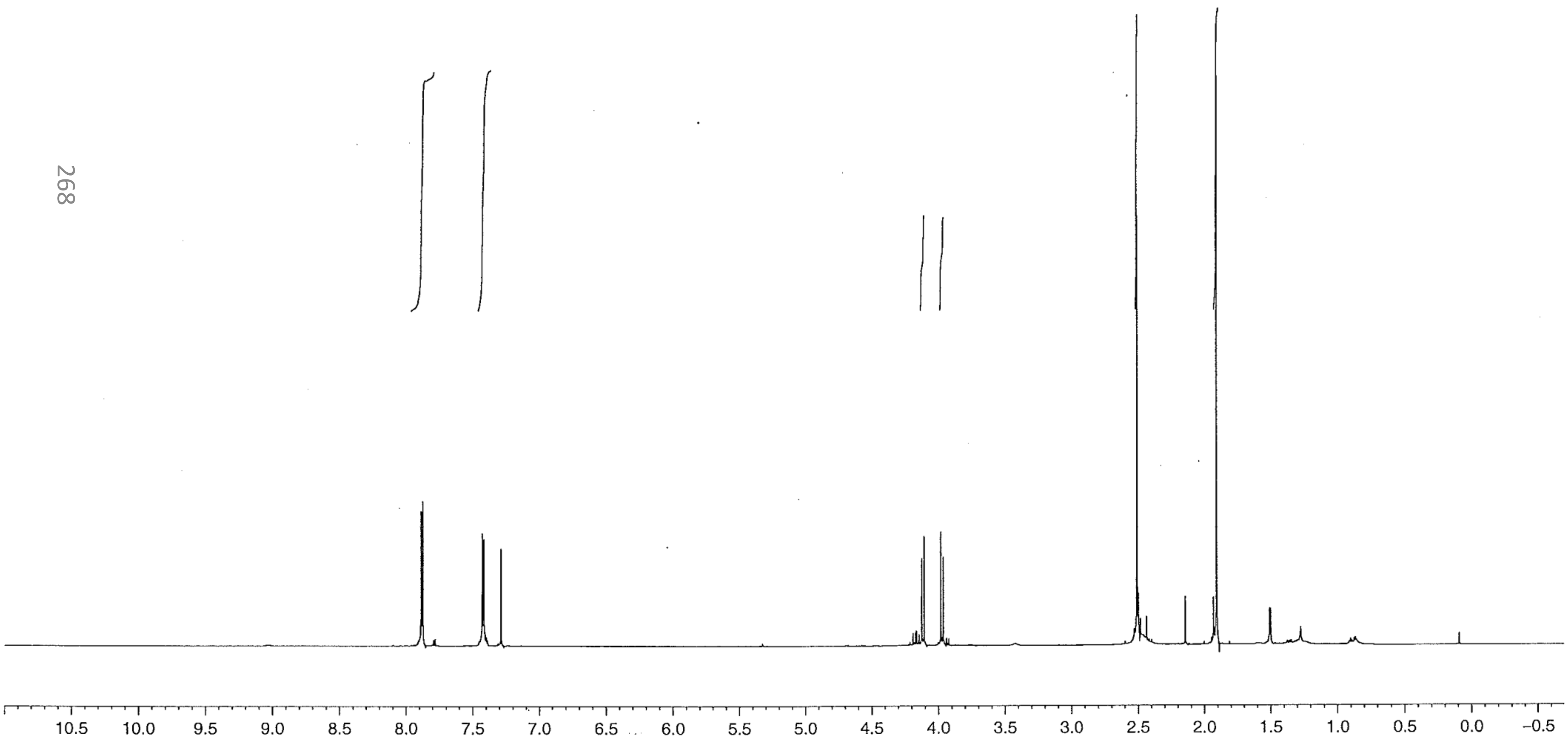
13C NMR: 175 MHz, CDCl3

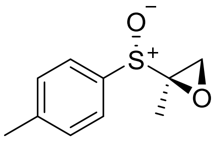


1H NMR: 700 MHz, CDCl3



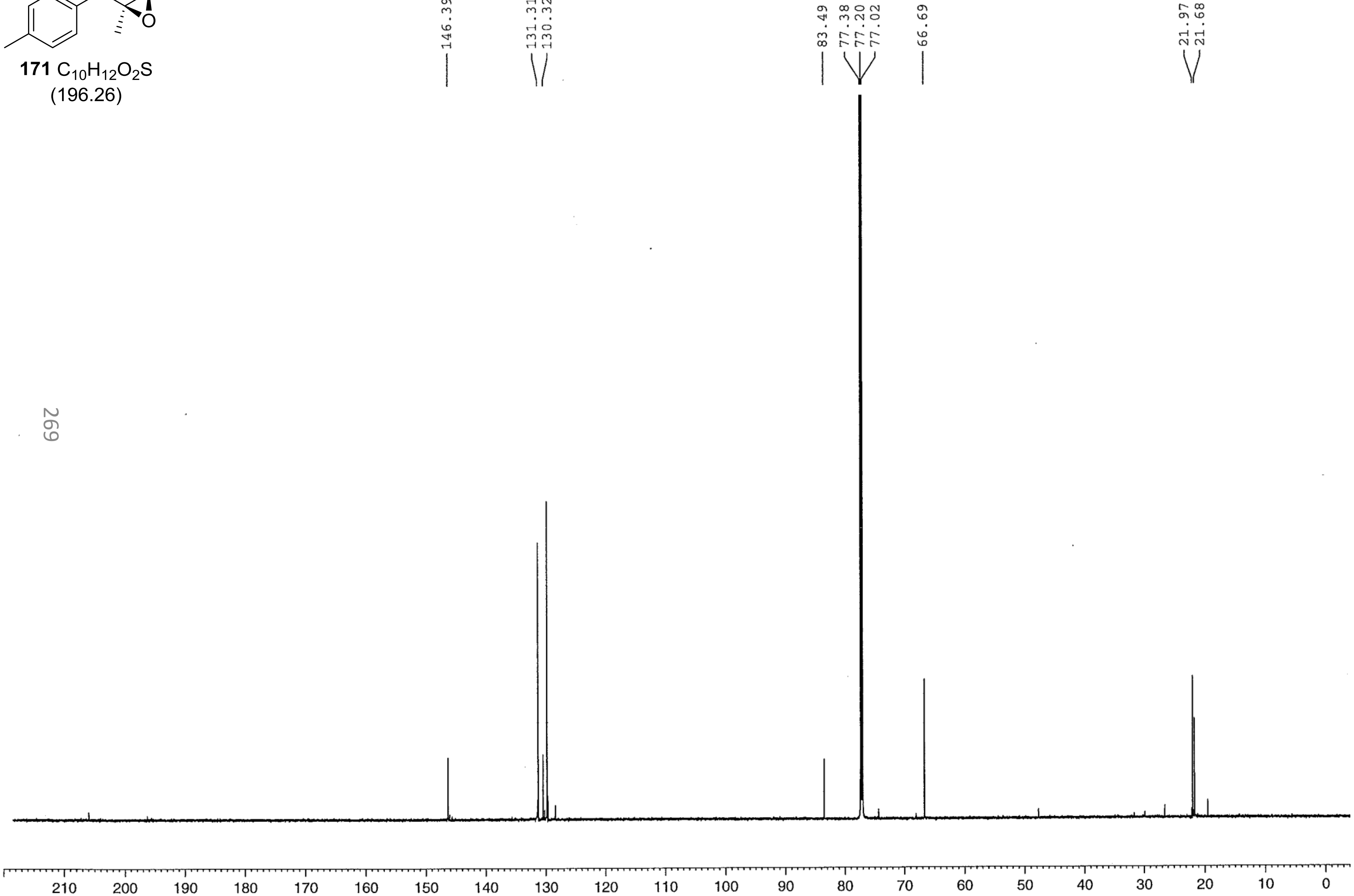
171 $C_{10}H_{12}O_2S$
(196.26)

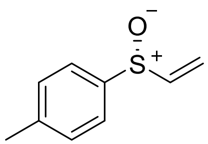




171 $C_{10}H_{12}O_2S$
(196.26)

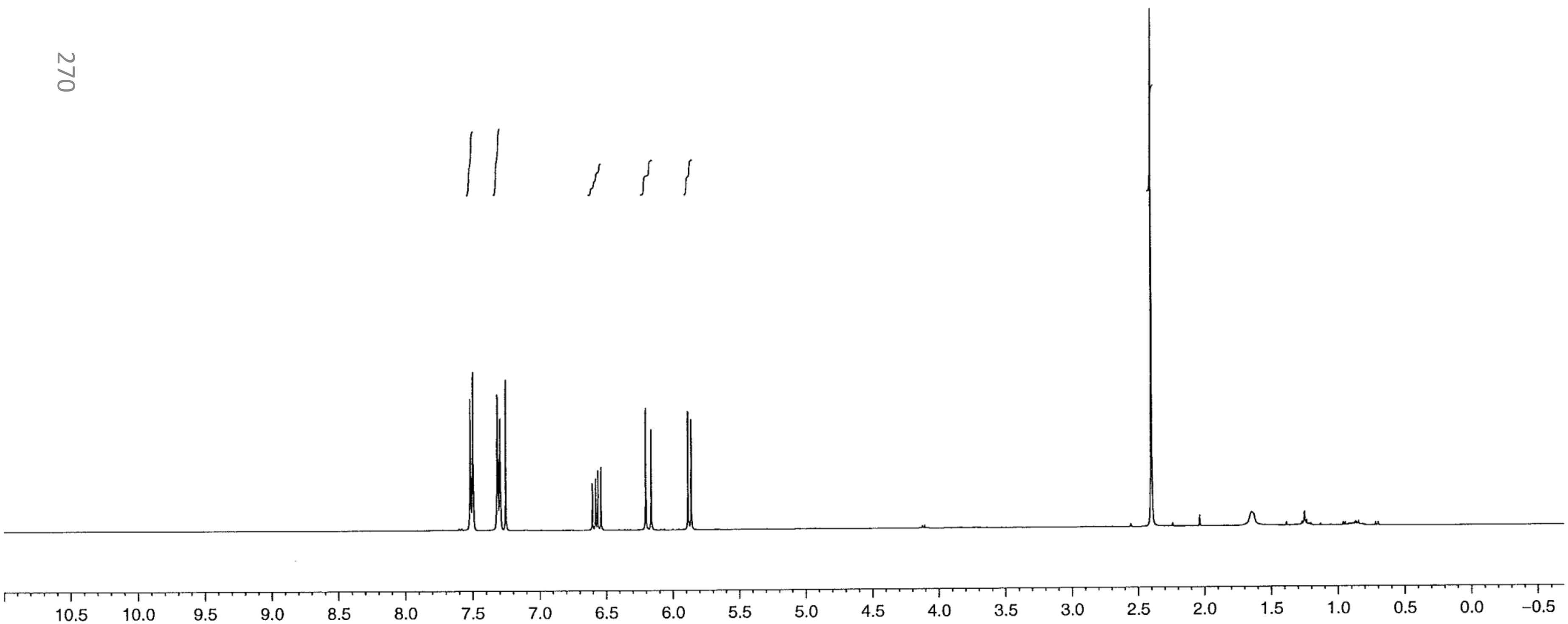
13C NMR: 175 MHz, CDCl3

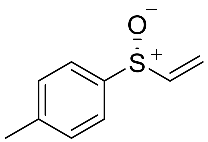




172 $C_9H_{10}SO$
(166.05)

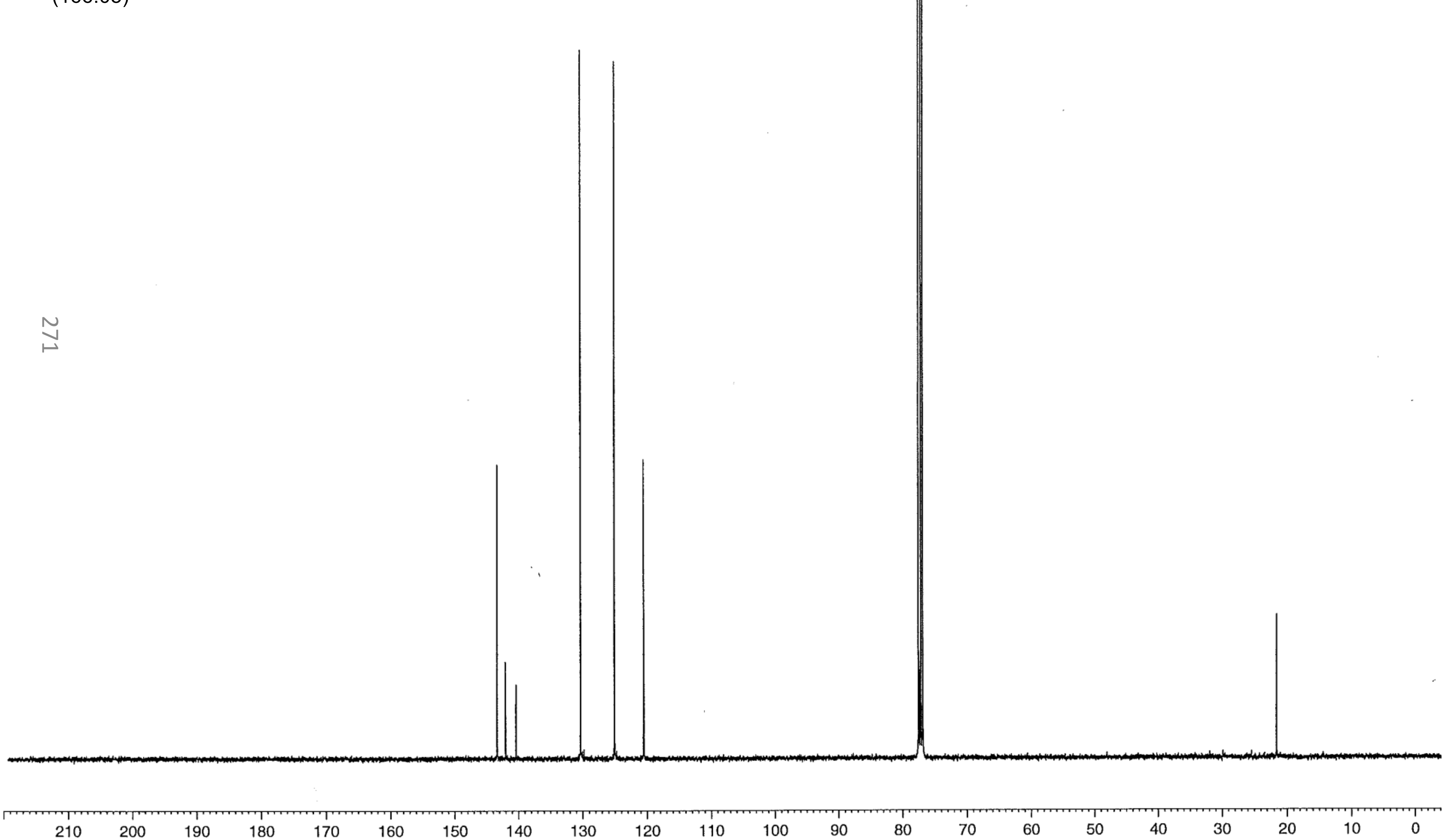
1H NMR: 400 MHz, CDCl3

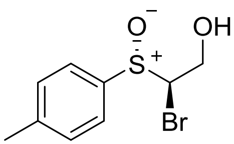




172 $C_9H_{10}SO$
(166.05)

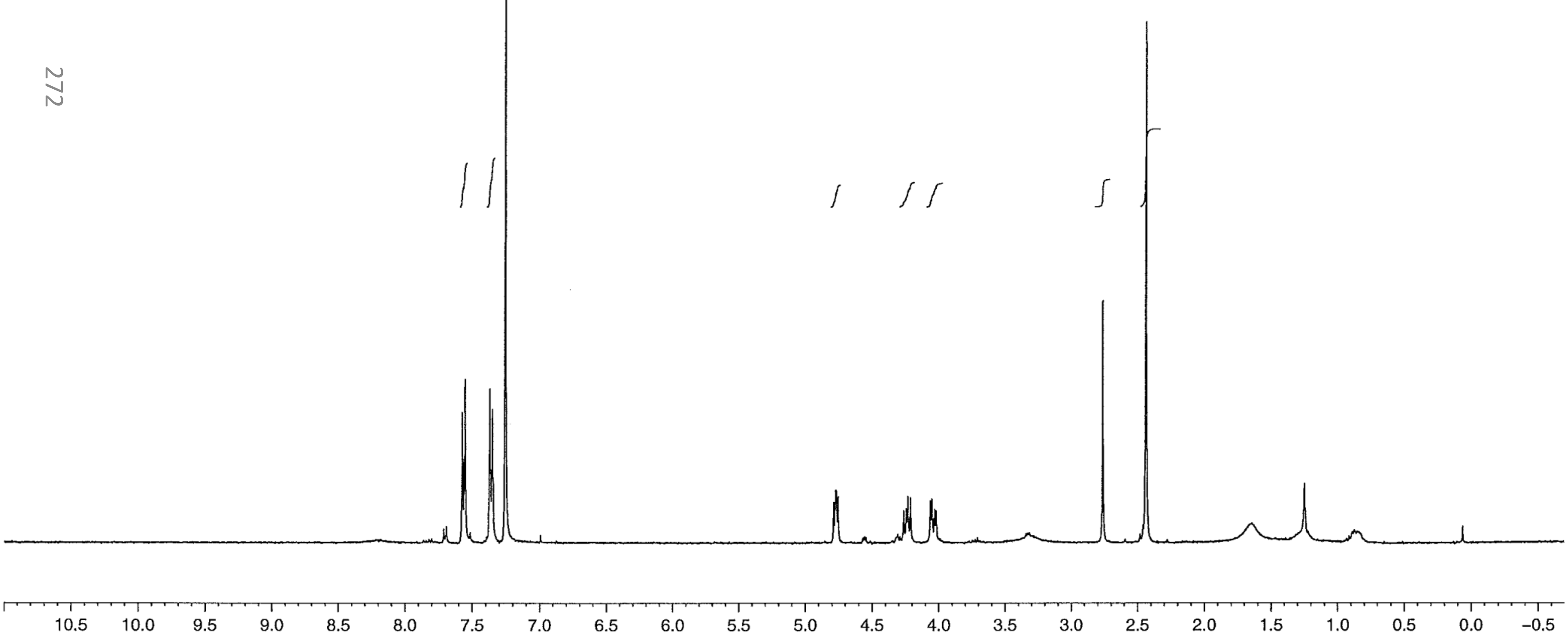
13C NMR: 100 MHz, CDCl3

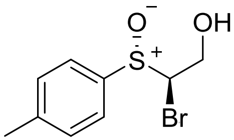




173a $C_9H_{11}BrO_2S$
(263.15)

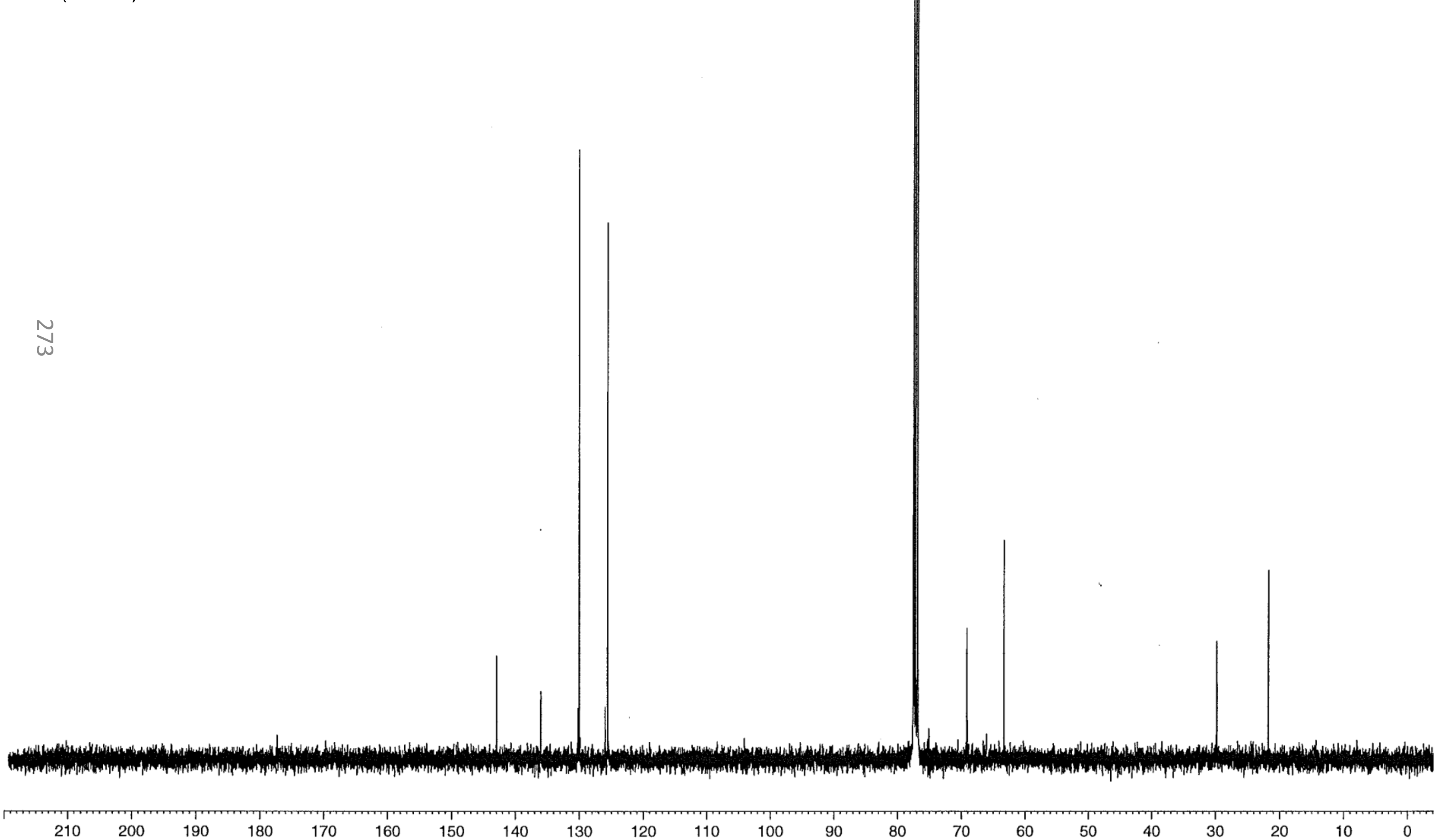
1H NMR: 400 MHz, CDCl3

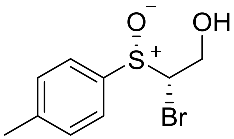




173a $C_9H_{11}BrO_2S$
(263.15)

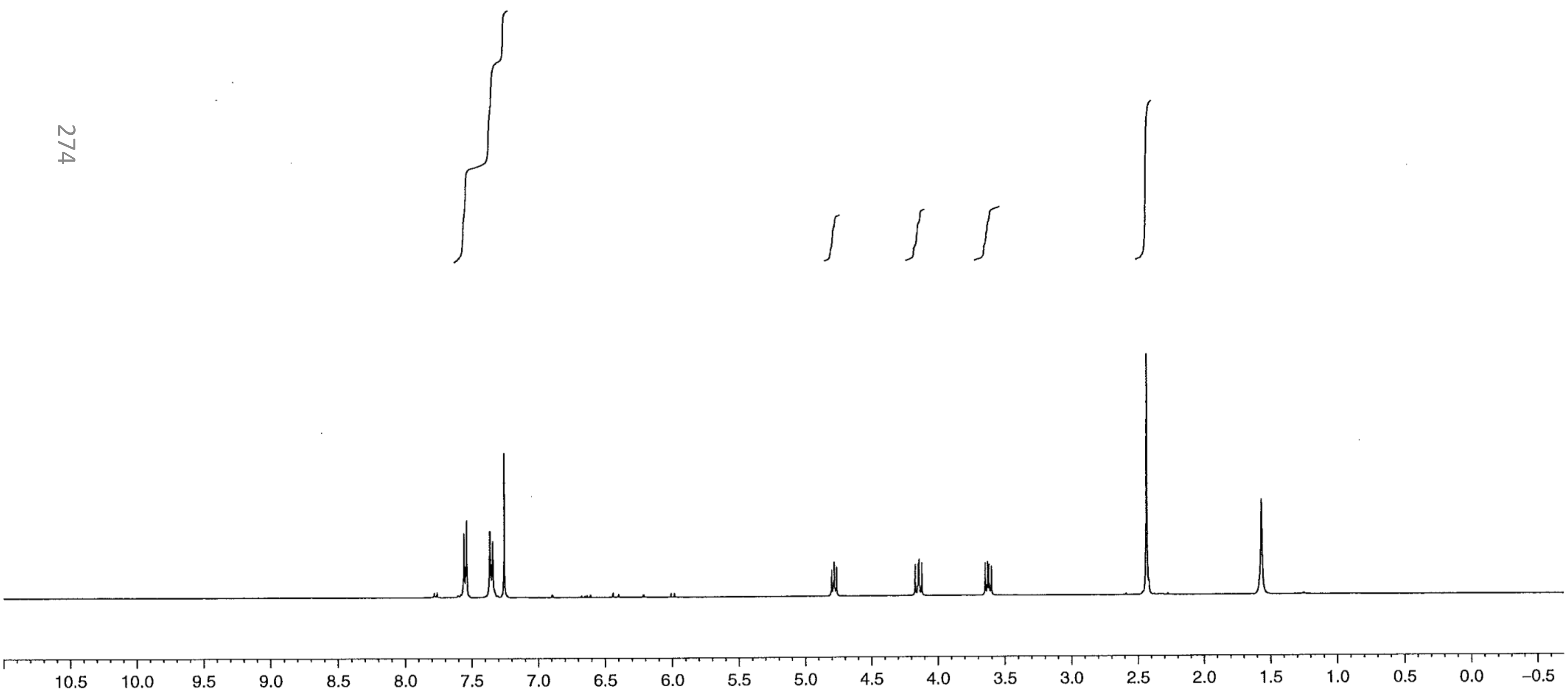
13C NMR: 100 MHz, CDCl3

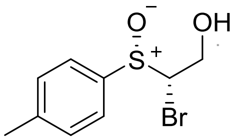




173s $C_9H_{11}BrO_2S$
(263.15)

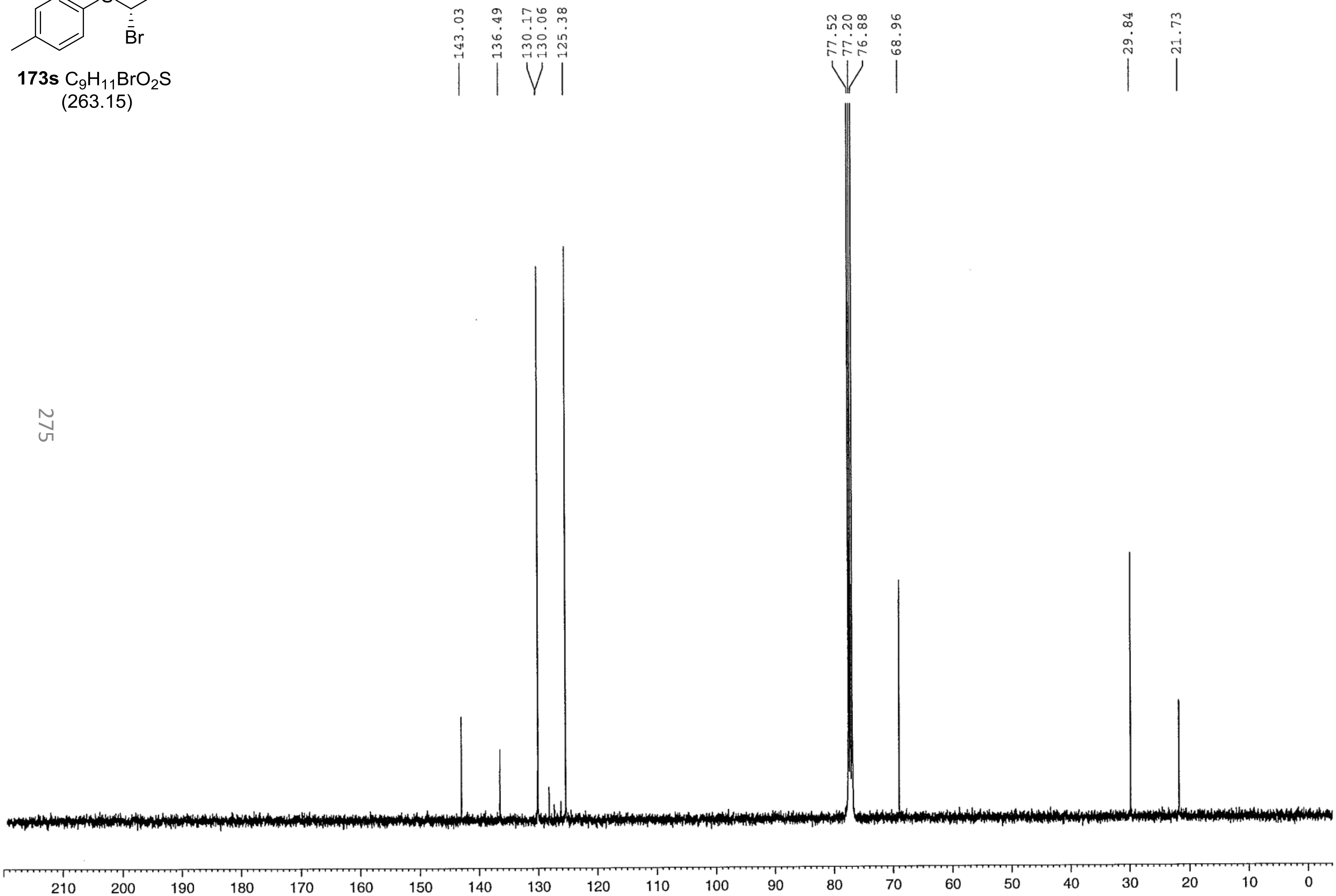
1H NMR: 400 MHz, CDCl3



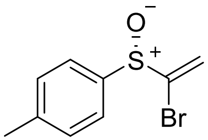


173s $C_9H_{11}BrO_2S$
(263.15)

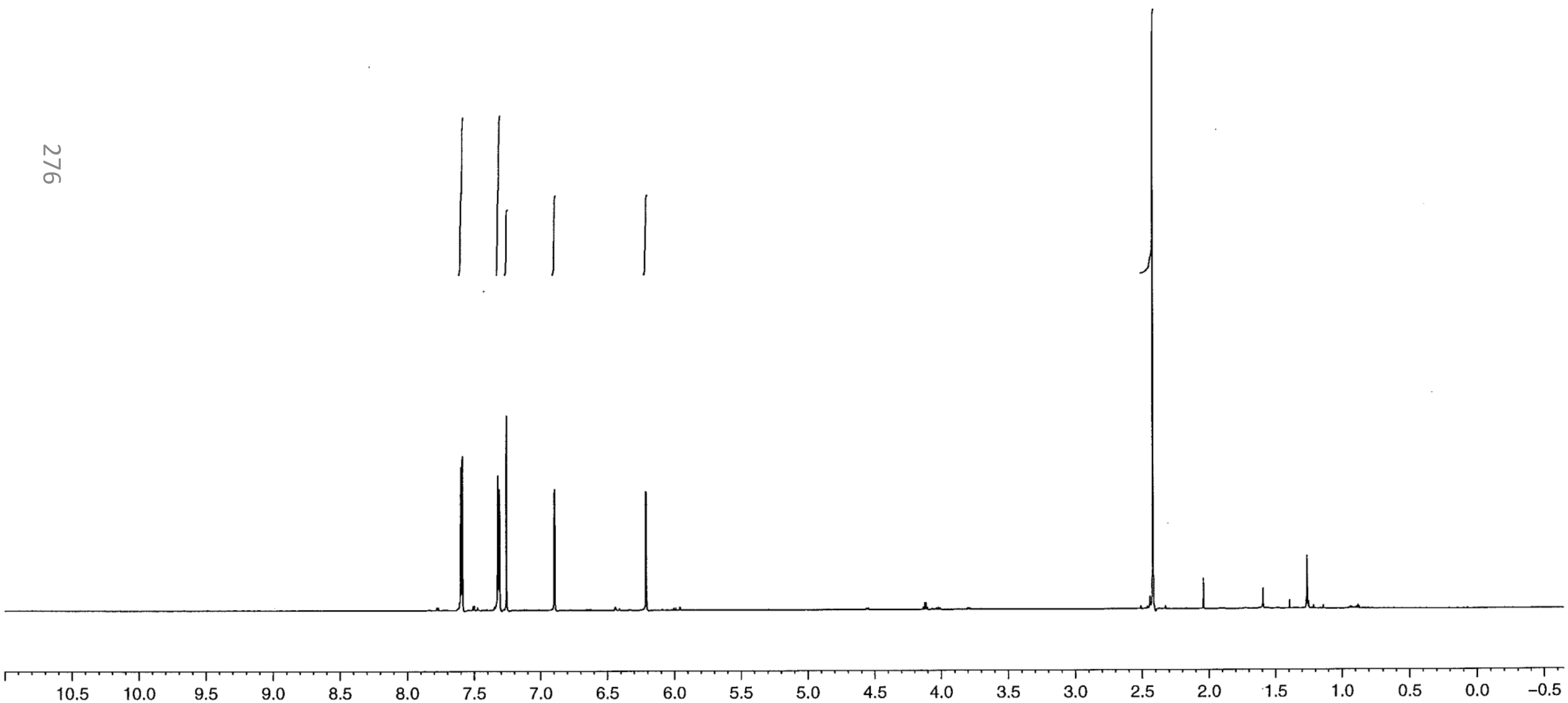
13C NMR: 100 MHz, CDCl3

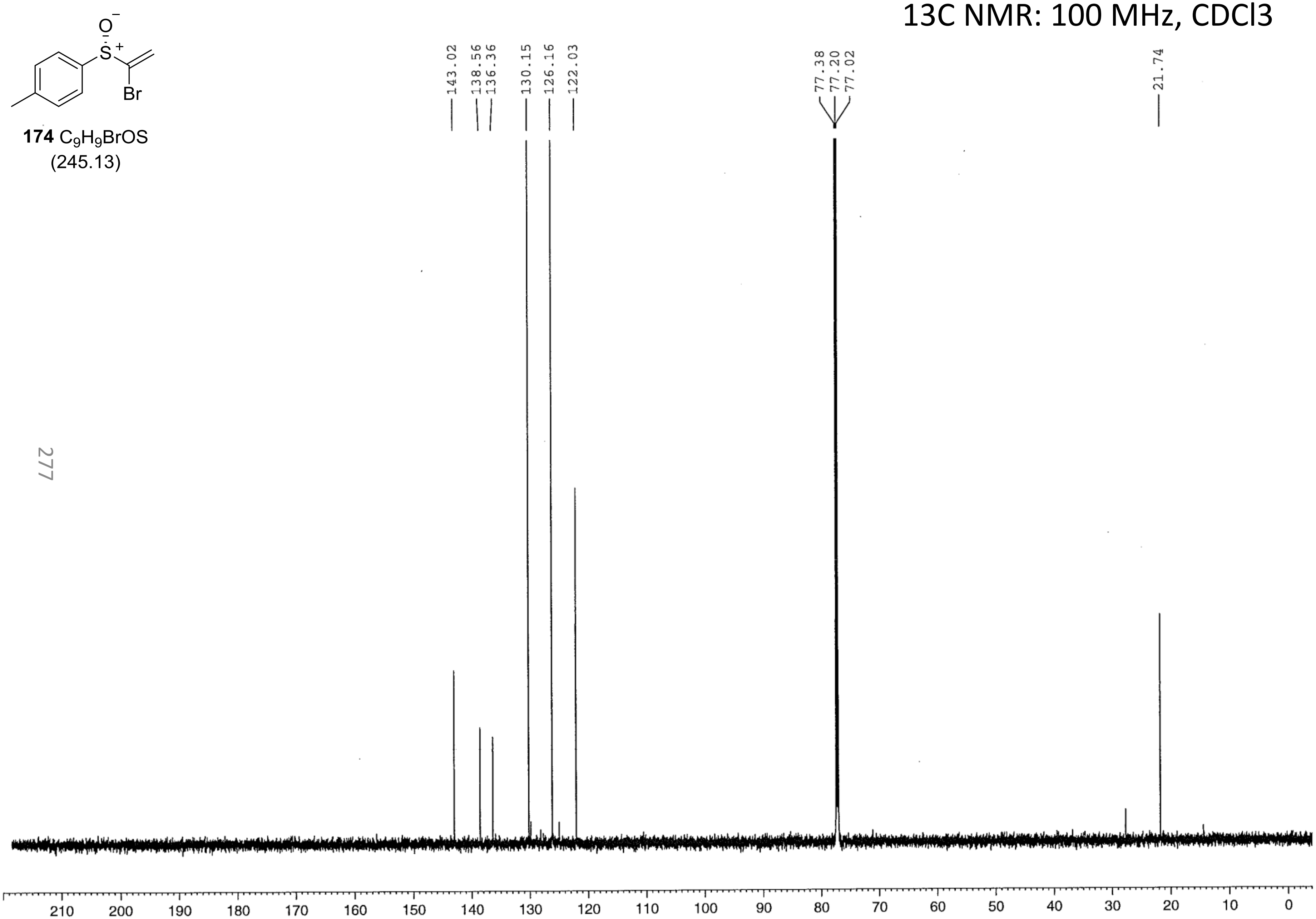


1H NMR: 400 MHz, CDCl3



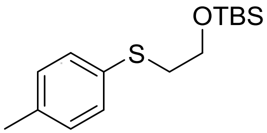
174 C_9H_9BrOS
(245.13)





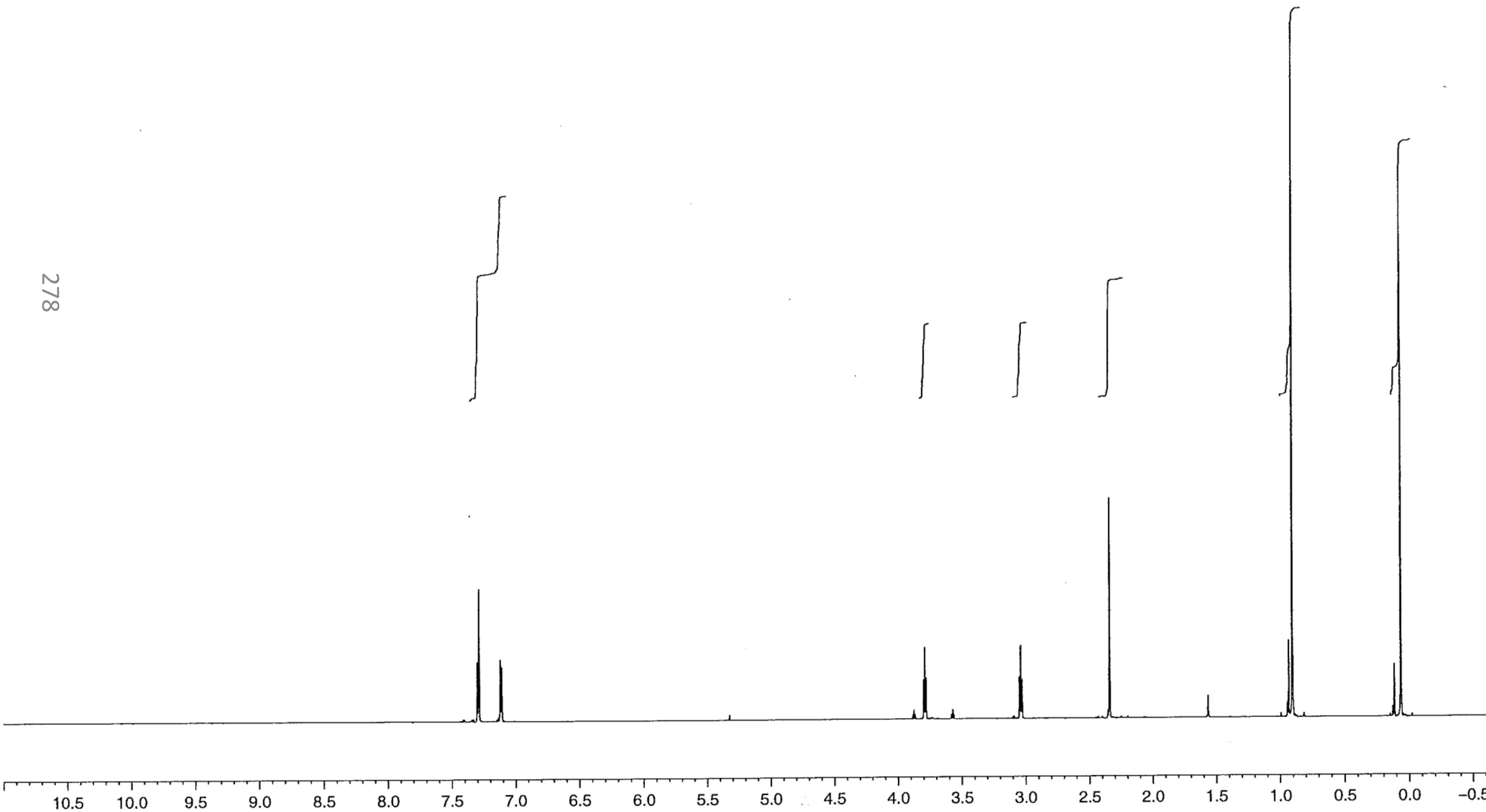
174 C_9H_9BrOS
(245.13)

13C NMR: 100 MHz, CDCl3

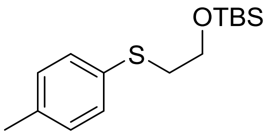


177 $C_{15}H_{26}OSSi$
(282.15)

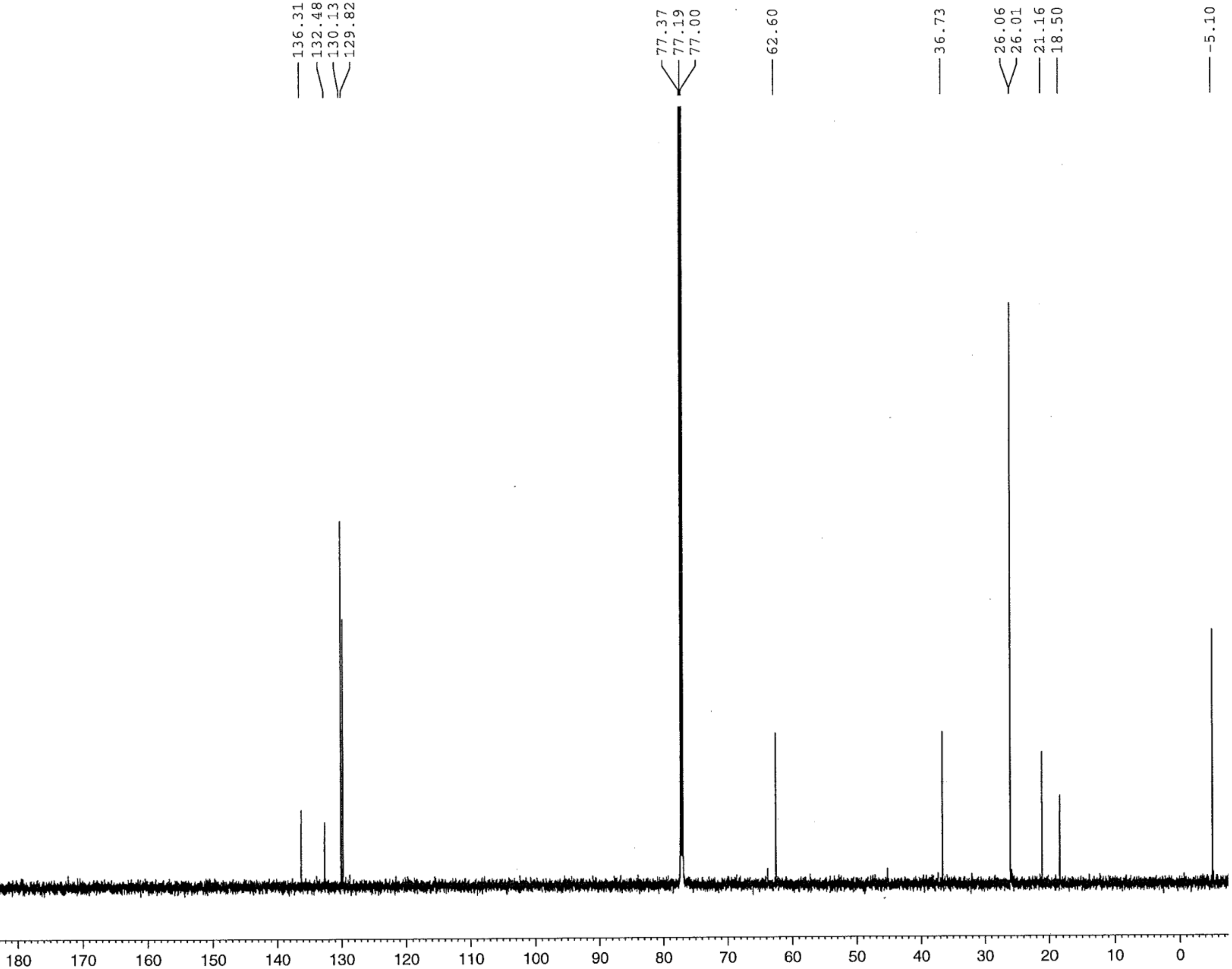
1H NMR: 700 MHz, CDCl3

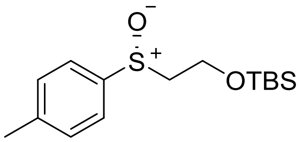


13C NMR: 175 MHz, CDCl3



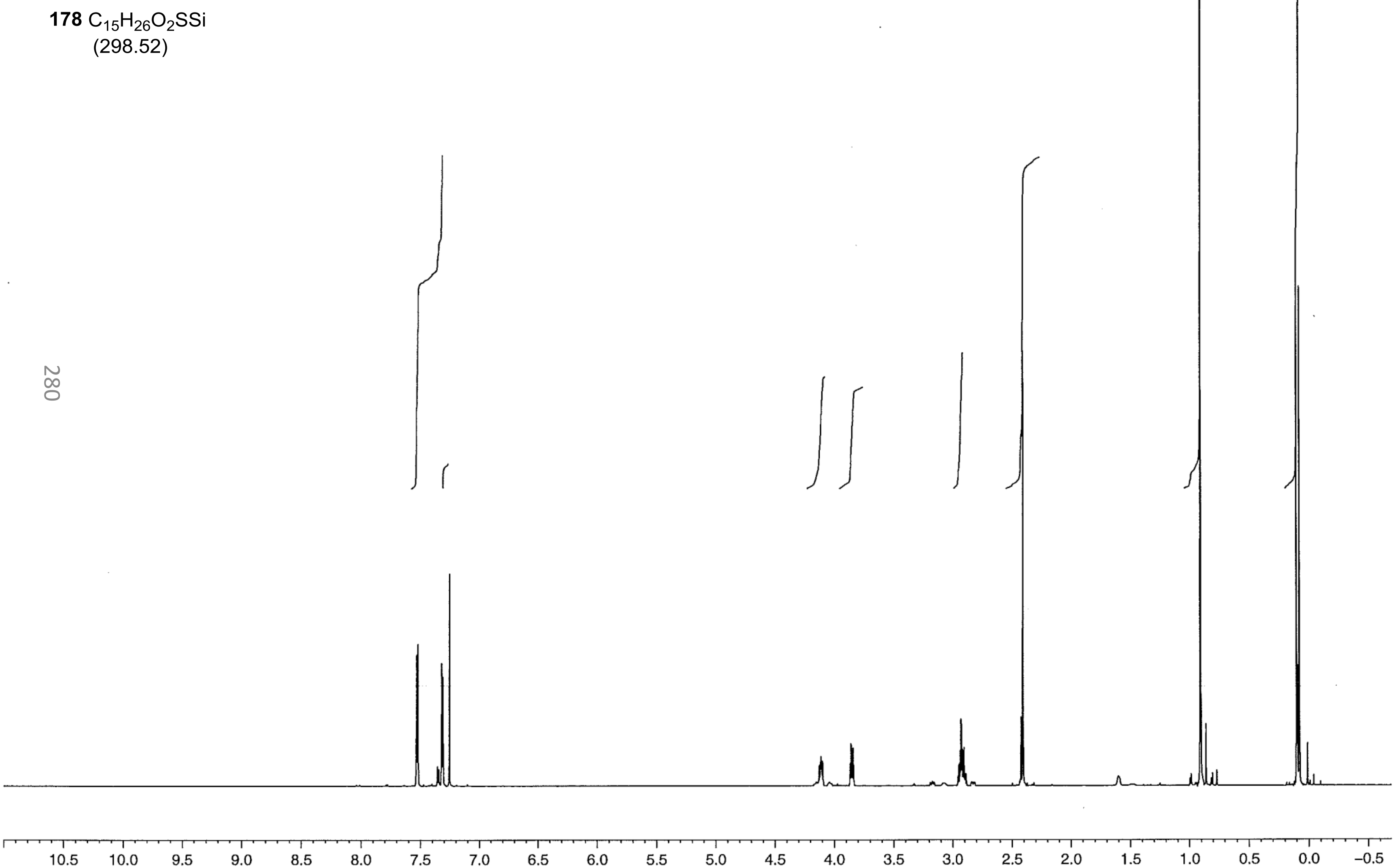
177 $C_{15}H_{26}OSSi$
(282.15)

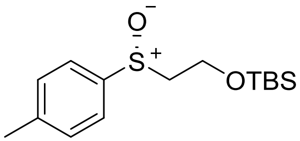




178 $C_{15}H_{26}O_2SSi$
(298.52)

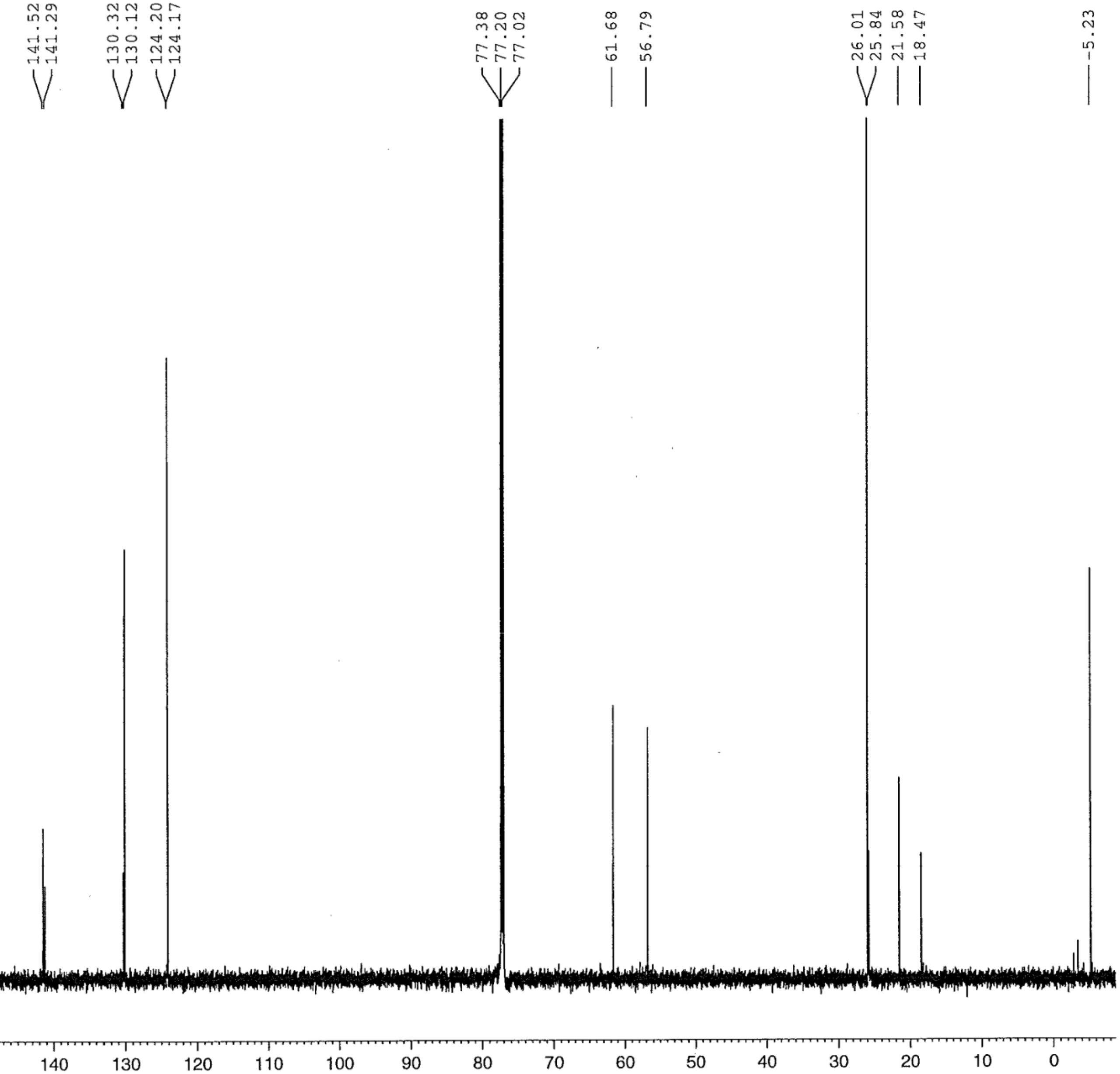
1H NMR: 700 MHz, CDCl3

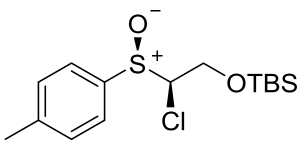




178 $C_{15}H_{26}O_2SSi$
(298.52)

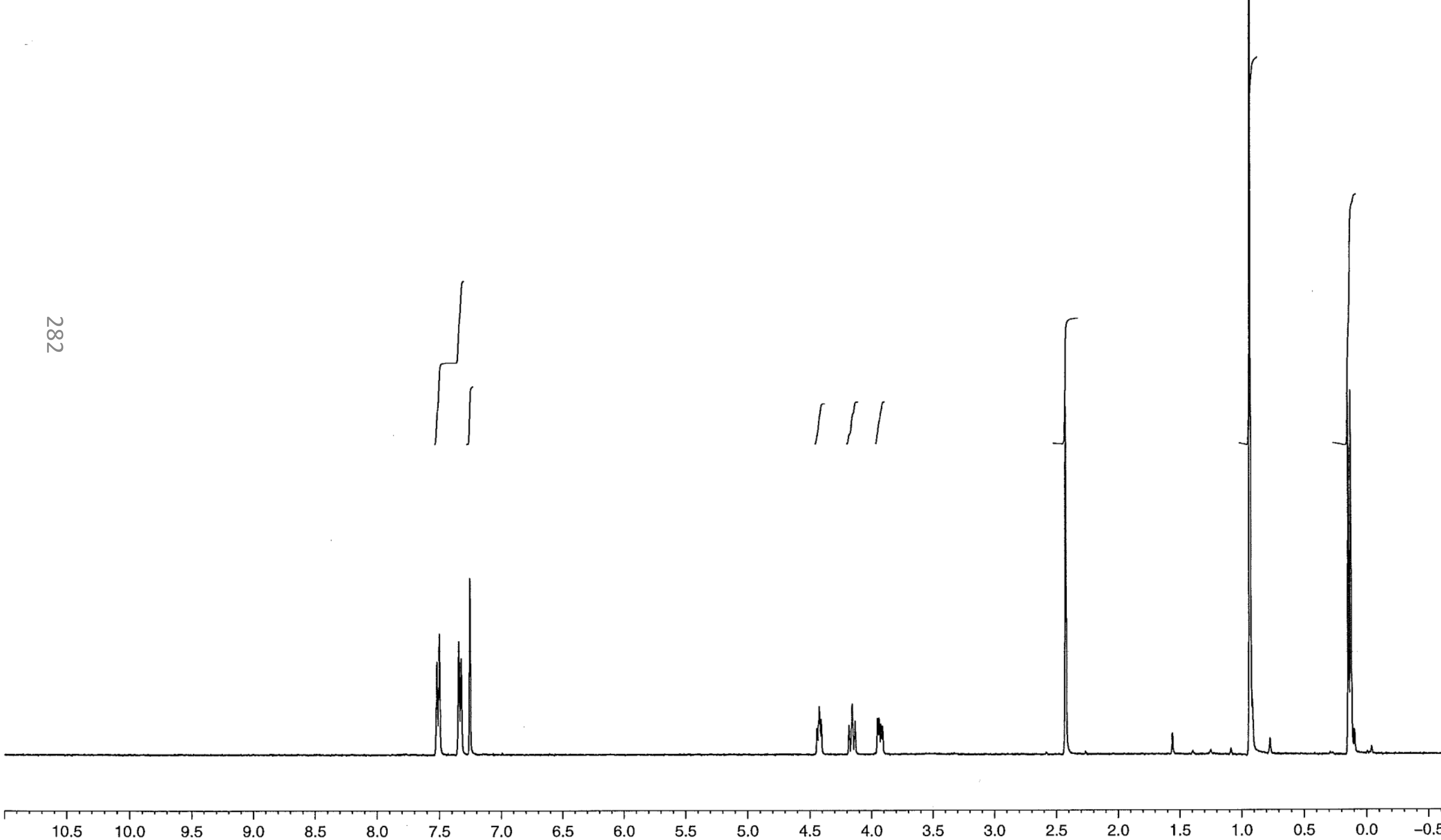
13C NMR: 175 MHz, CDCl3



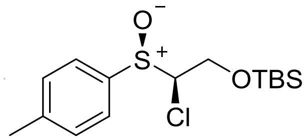


179s-(–)-(S_R)-$C_{15}H_{25}ClO_2SSi$
(332.96)

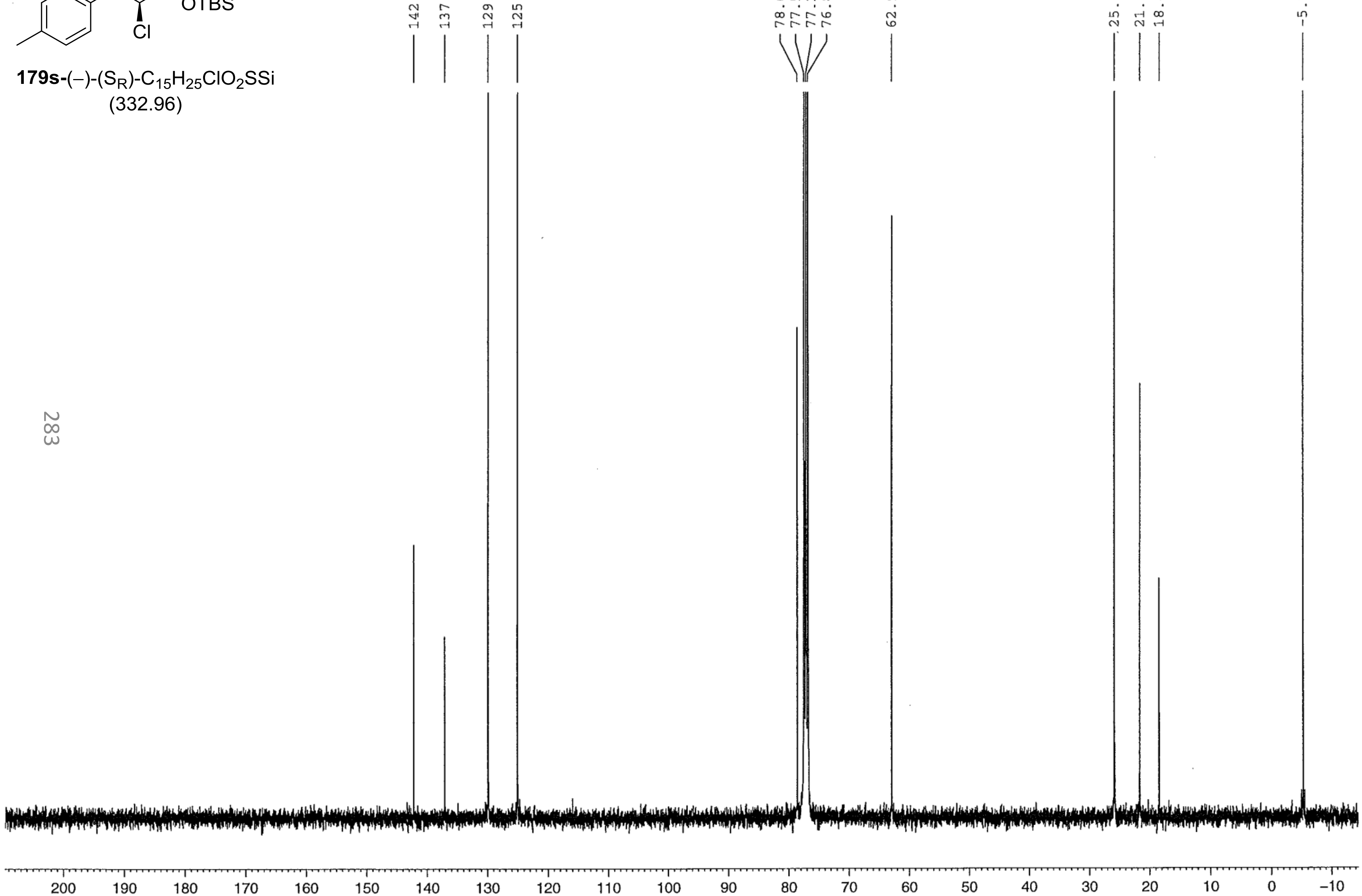
1H NMR: 400 MHz, CDCl3

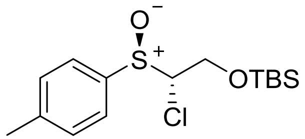


13C NMR: 100 MHz, CDCl3



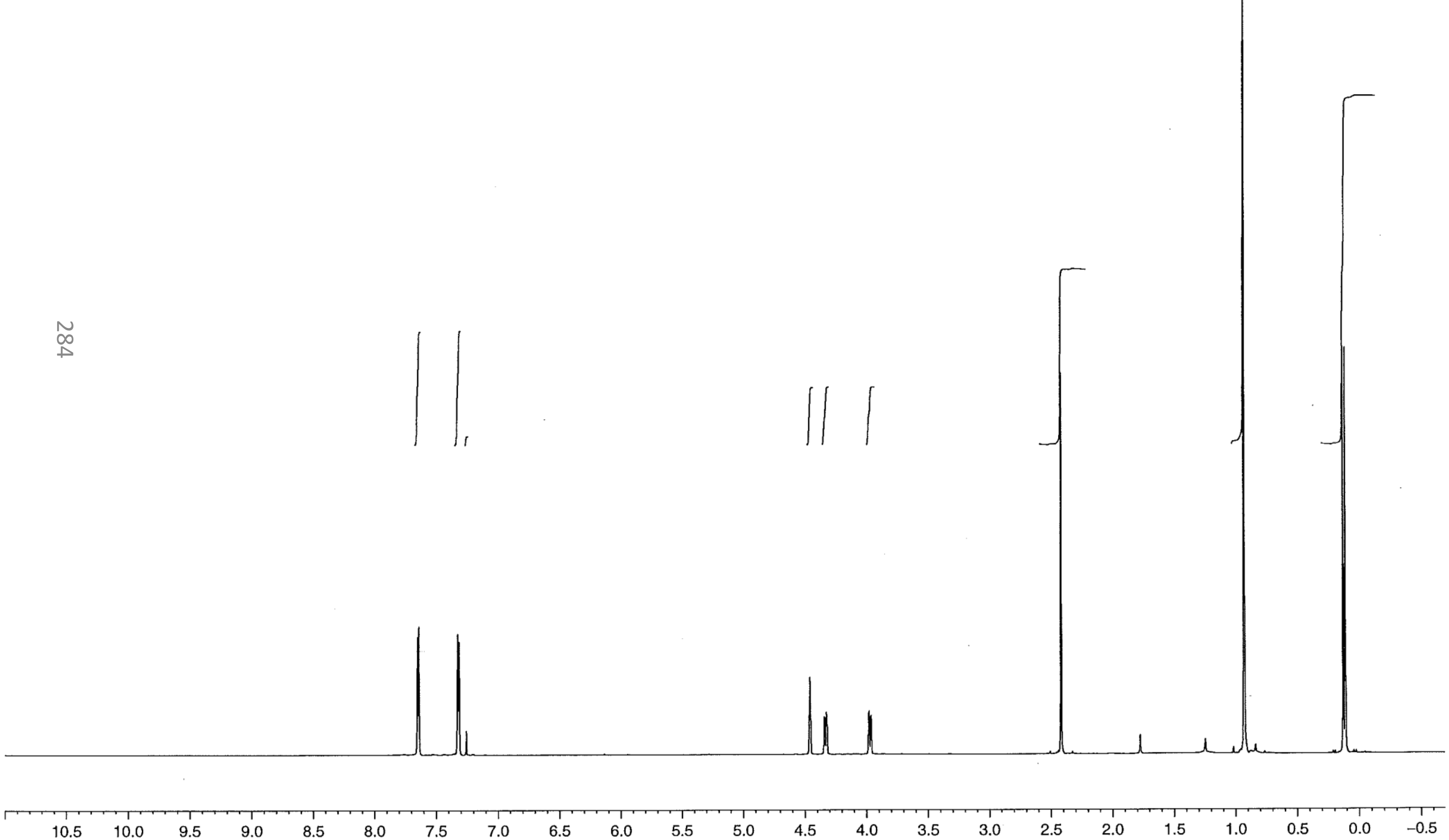
179s-(–)-(S_R)-$C_{15}H_{25}ClO_2SSi$
(332.96)

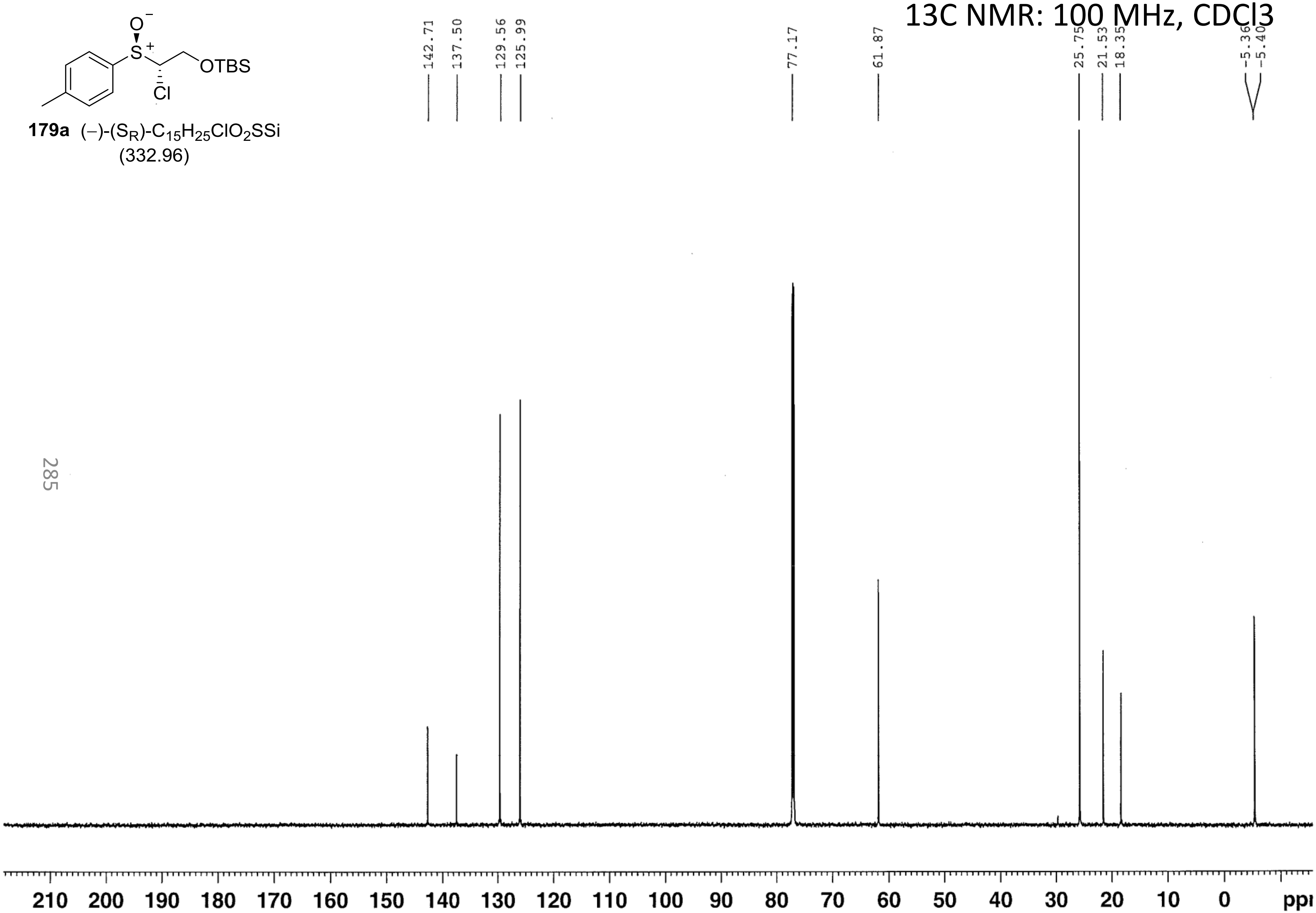




179a (–)-(S_R)-$C_{15}H_{25}ClO_2SSi$
(332.96)

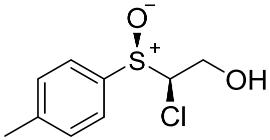
1H NMR: 400 MHz, CDCl3



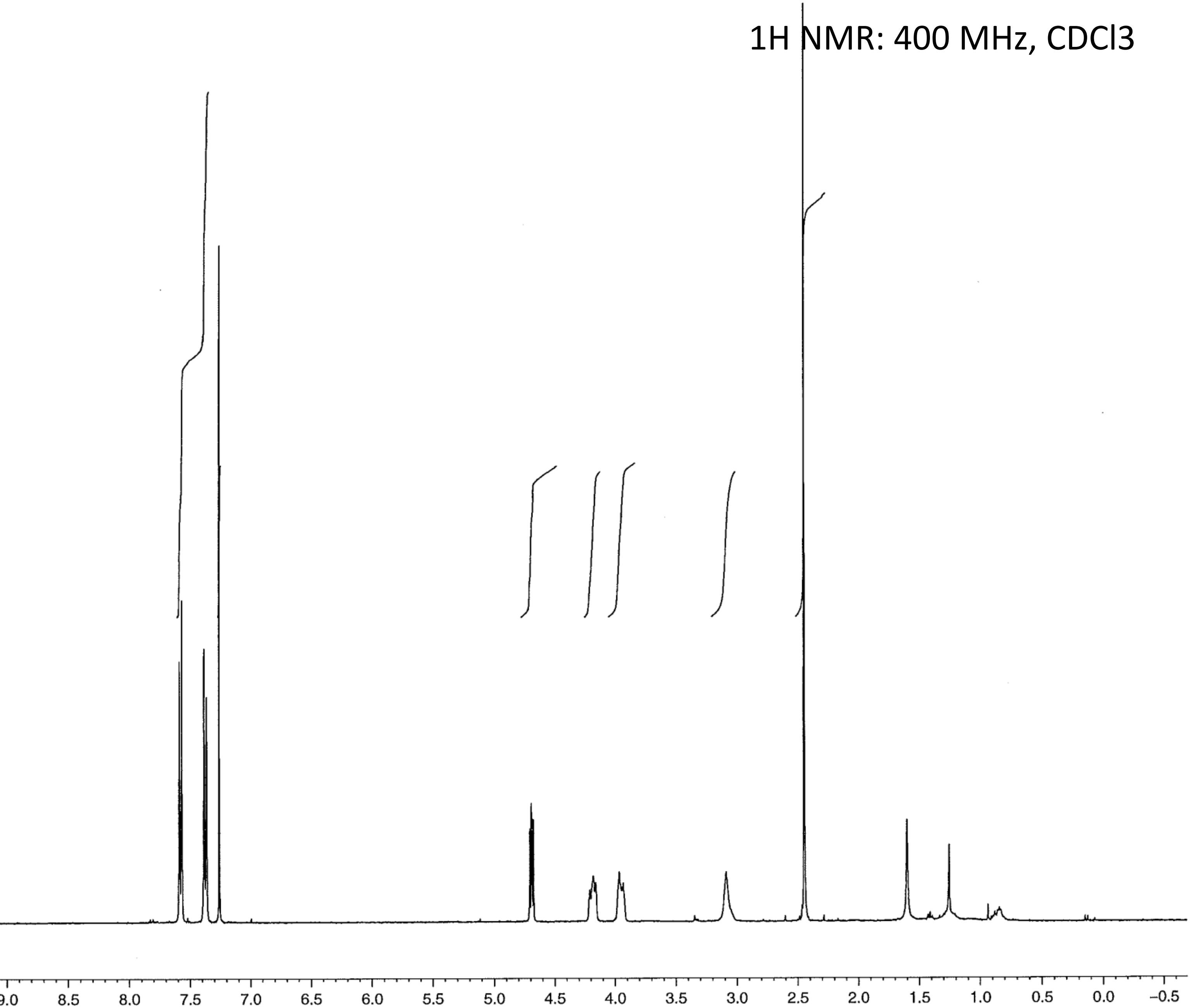


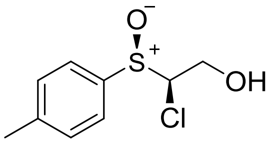
179a (–)-(S_R)-$C_{15}H_{25}ClO_2SSi$
(332.96)

13C NMR: 100 MHz, CDCl3



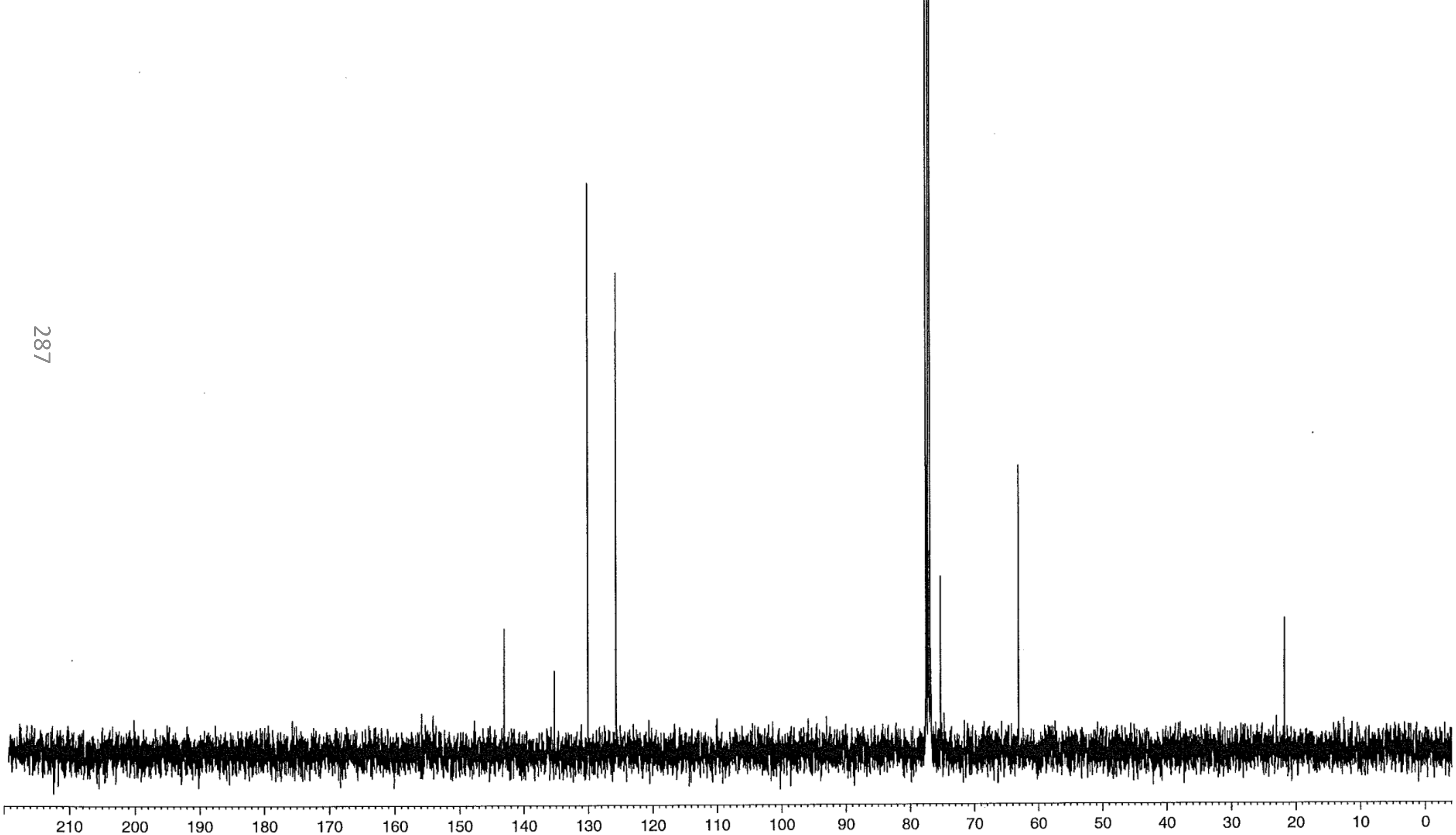
180 $C_9H_{11}ClO_2S$
(218.02)

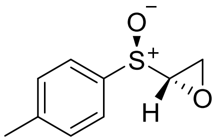




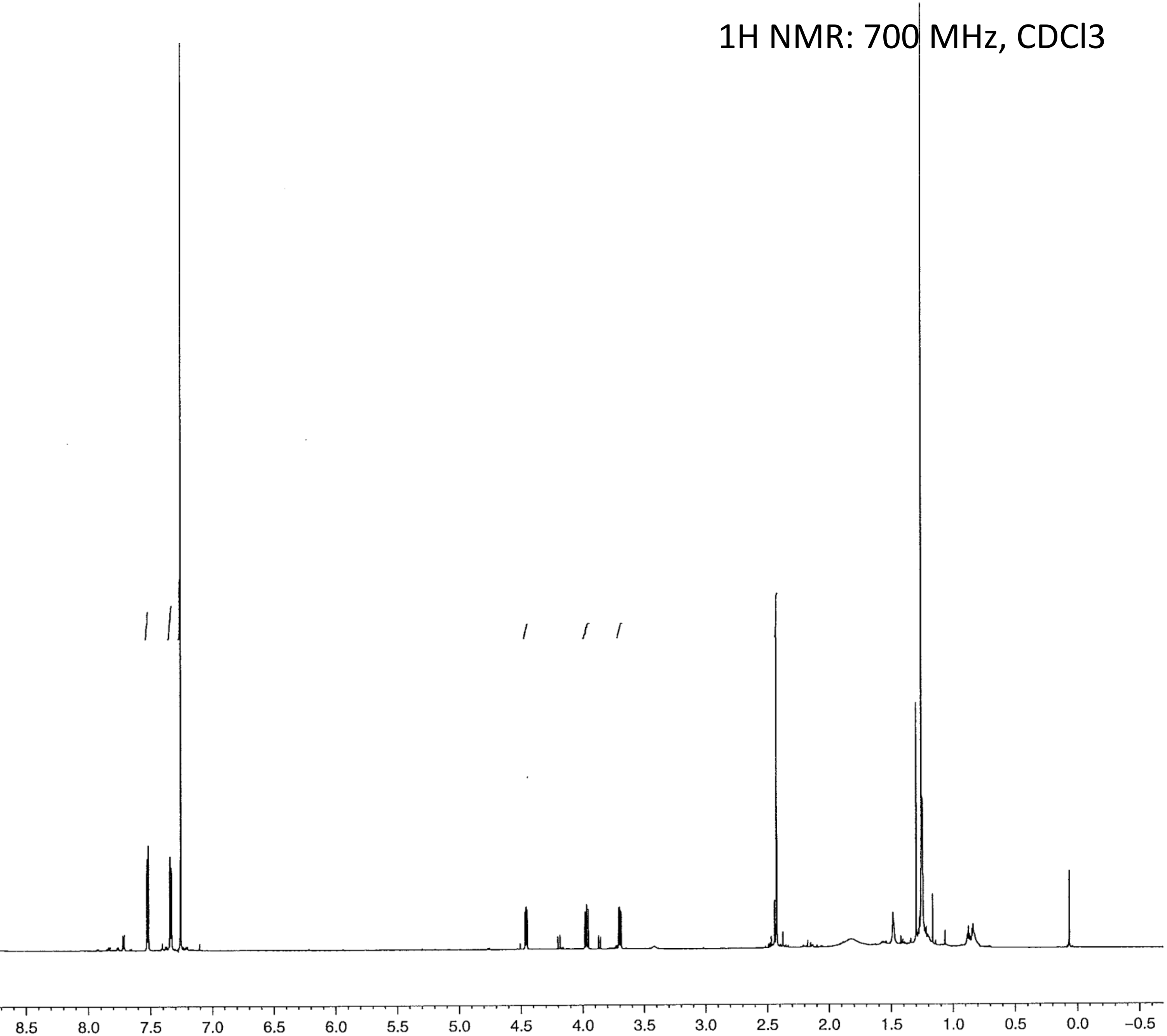
180 $C_9H_{11}ClO_2S$
(218.02)

13C NMR: 100 MHz, CDCl3



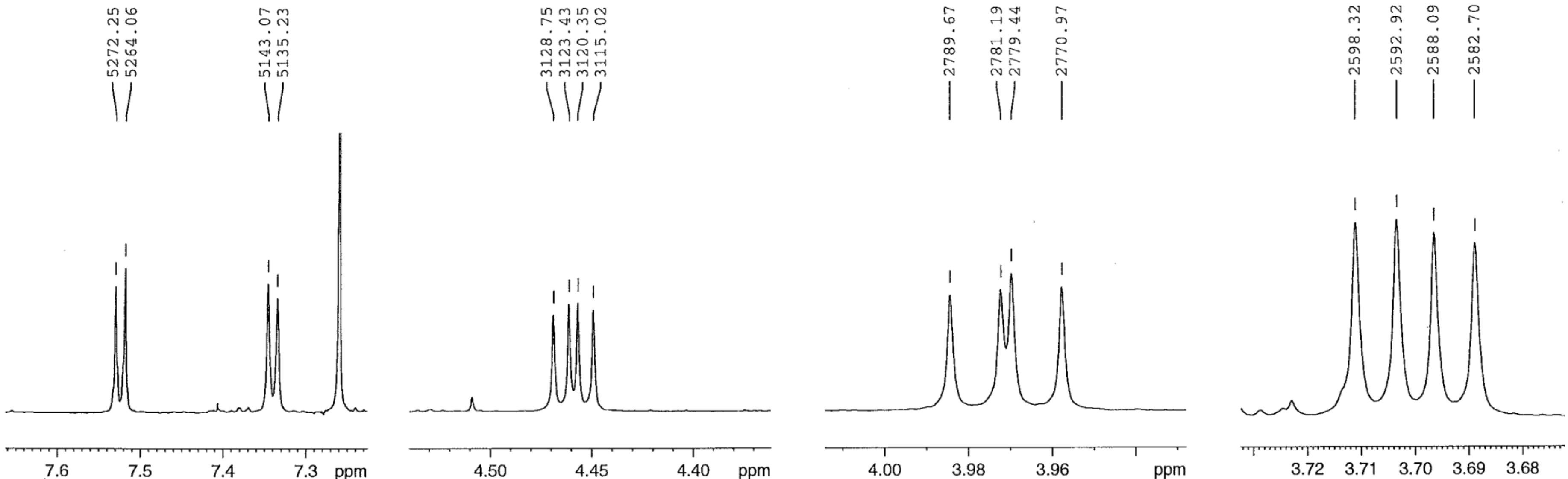


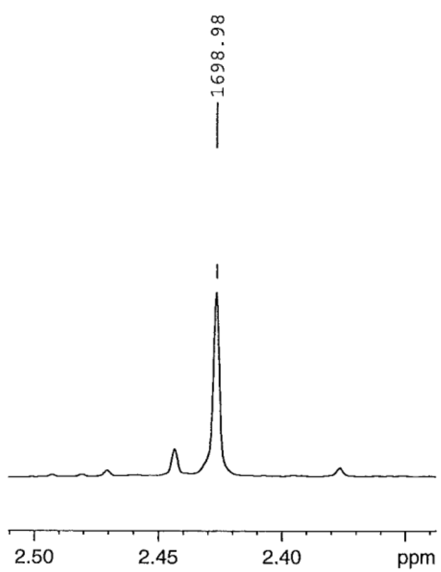
183 $C_9H_{10}O_2S$
(182.04)

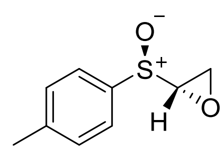


288

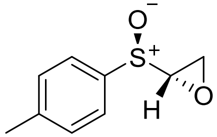
1H NMR: 700 MHz, CDCl3





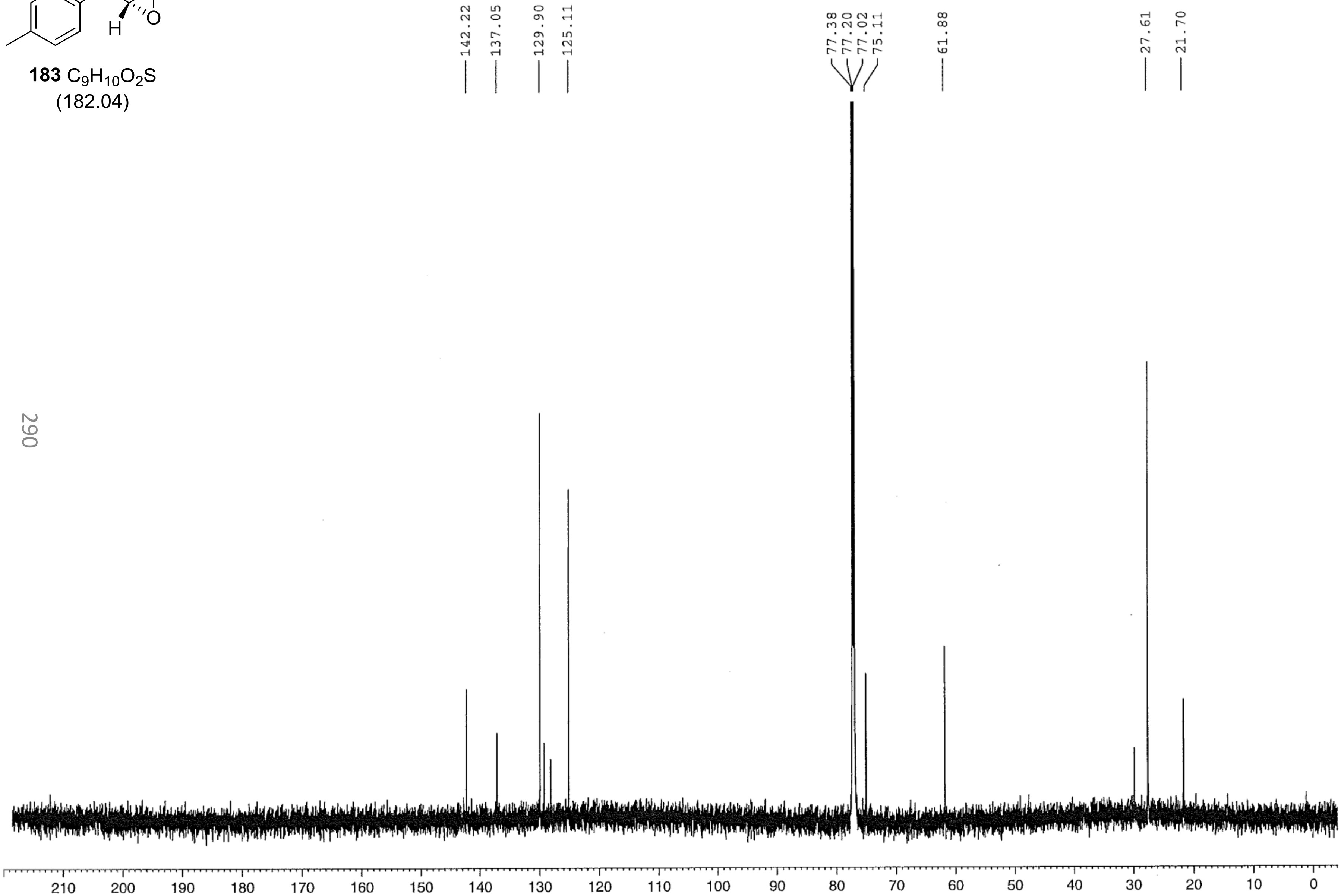


183 $C_9H_{10}O_2S$
(182.04)



183 $C_9H_{10}O_2S$
(182.04)

13C NMR: 175 MHz, CDCl3



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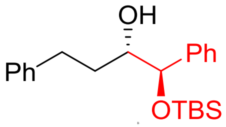
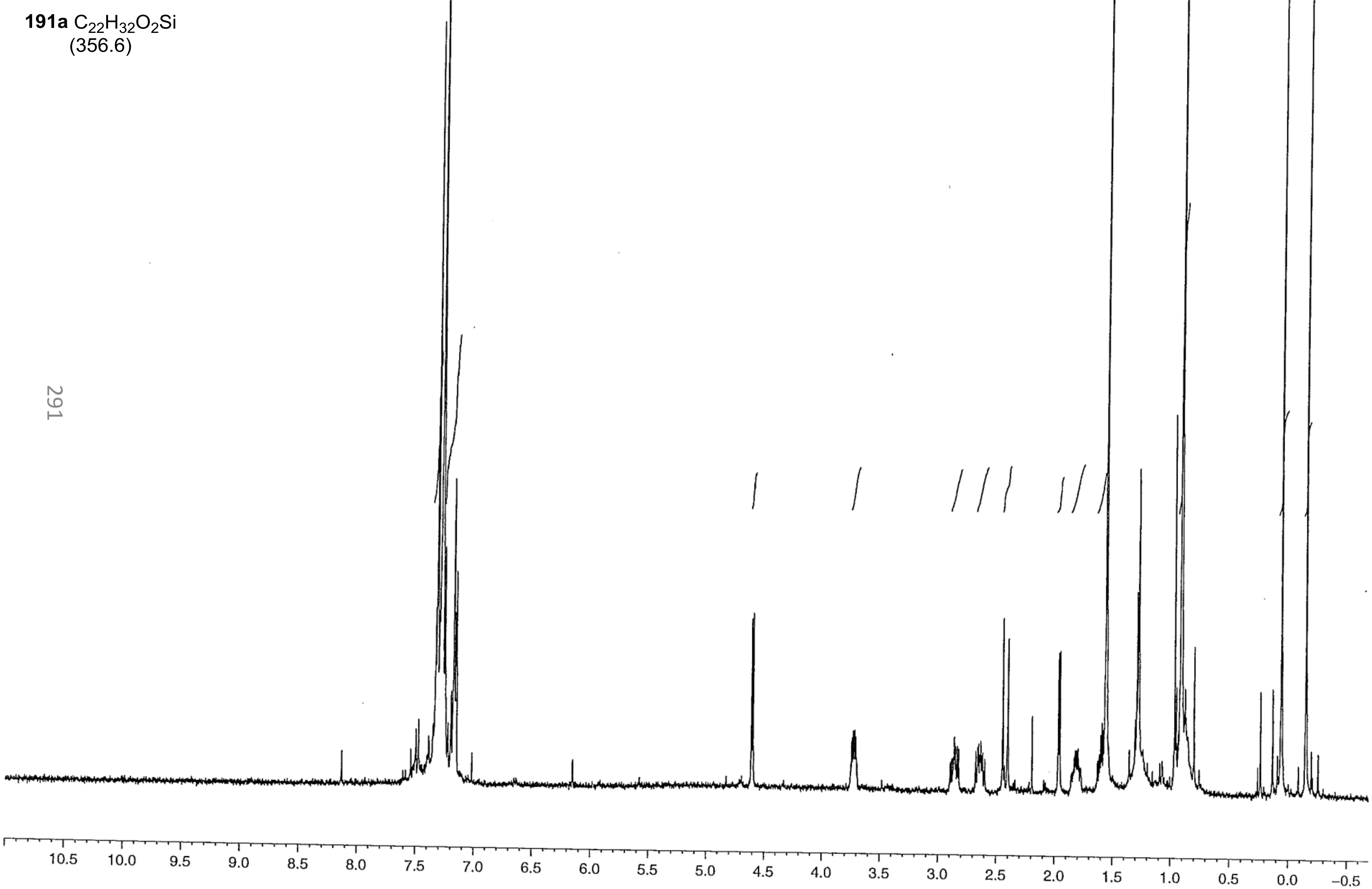
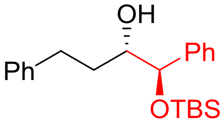


191a $C_{22}H_{32}O_2Si$
(356.6)

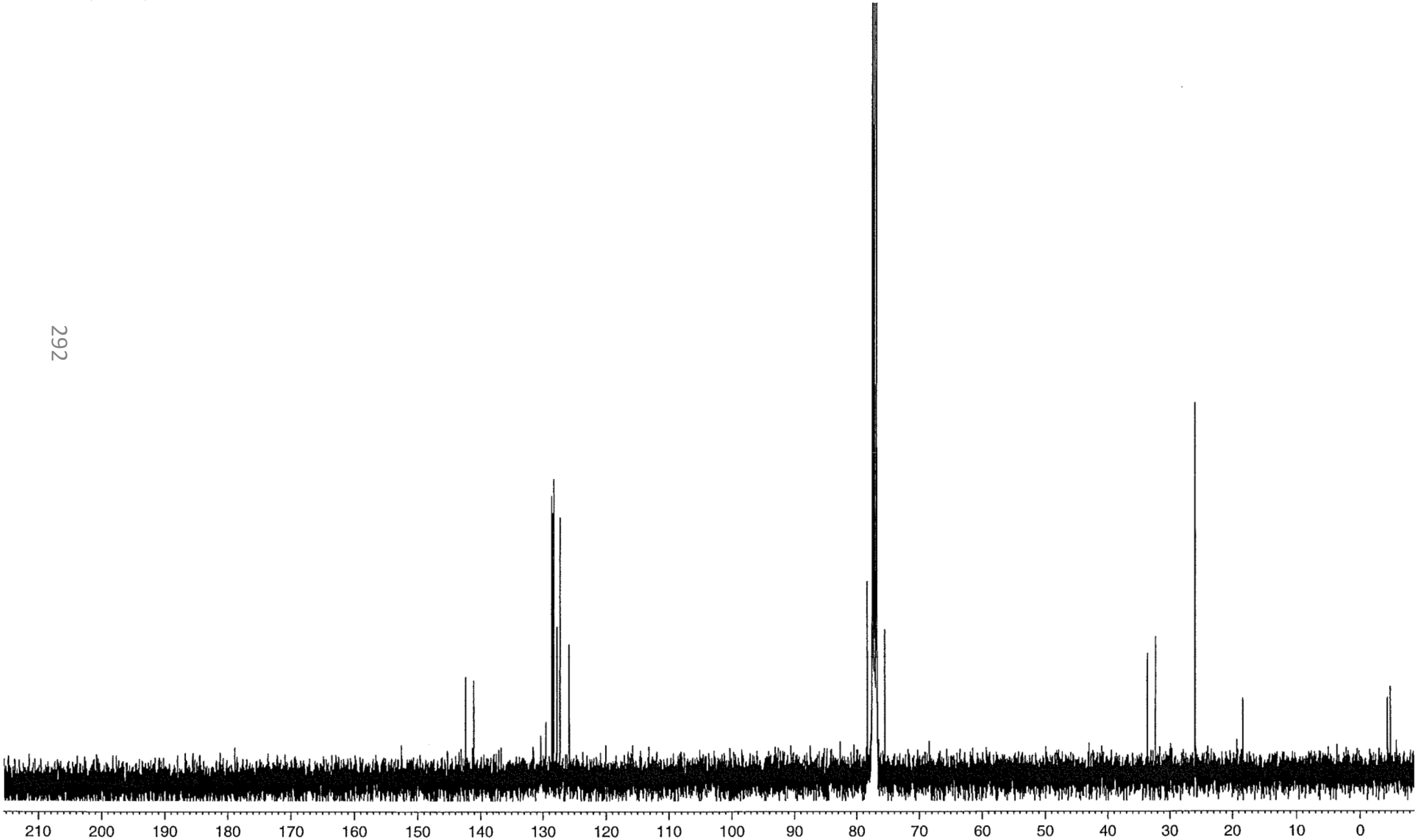
1H NMR: 400 MHz, CDCl3

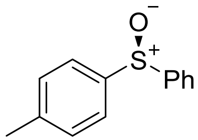


13C NMR: 100 MHz, CDCl3



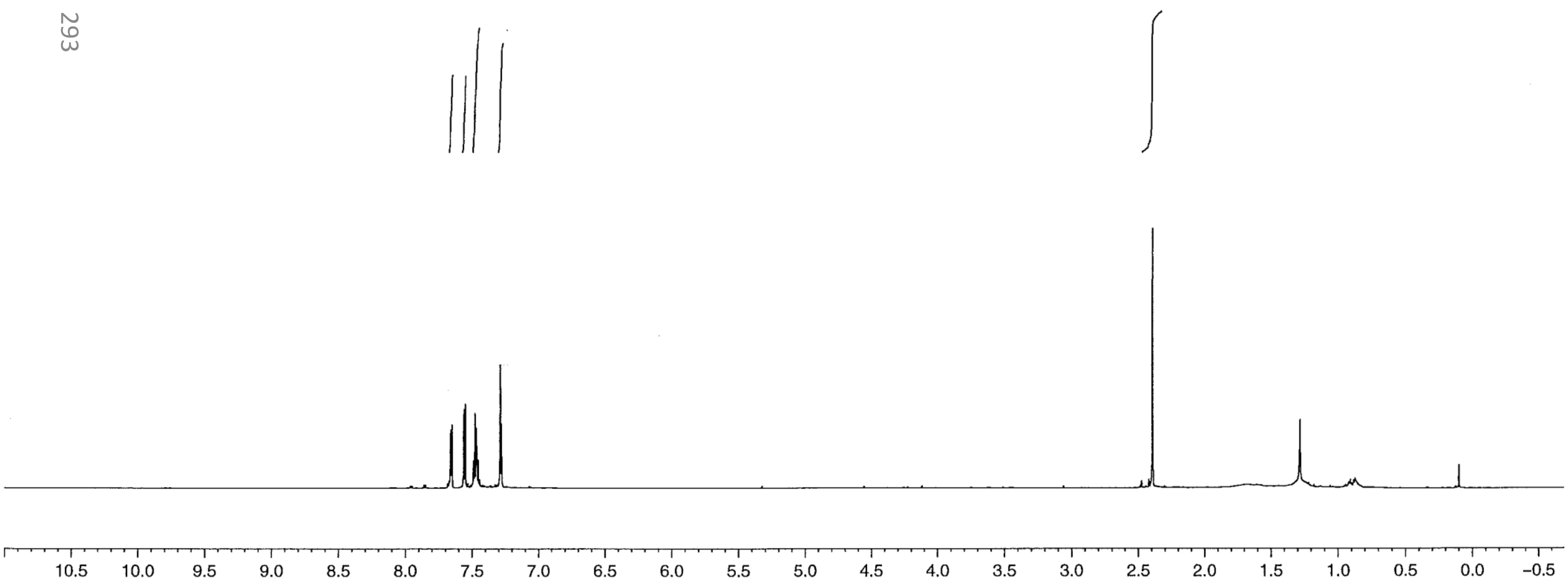
191a $C_{22}H_{32}O_2Si$
(356.6)

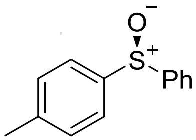




190 $C_{13}H_{12}OS$
(216.30)

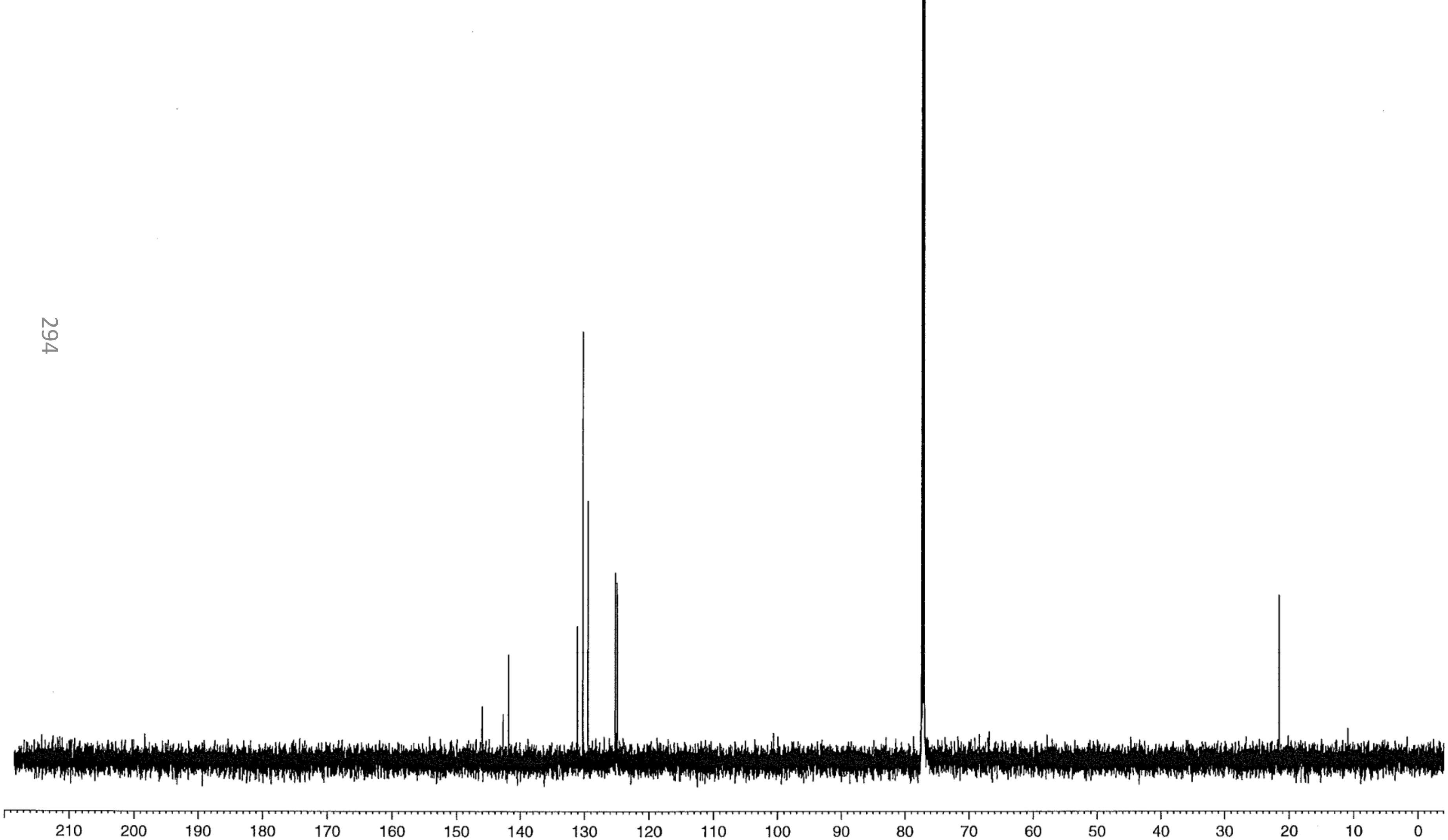
1H NMR: 700 MHz, CDCl3

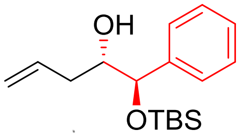




190 $C_{13}H_{12}OS$
(216.30)

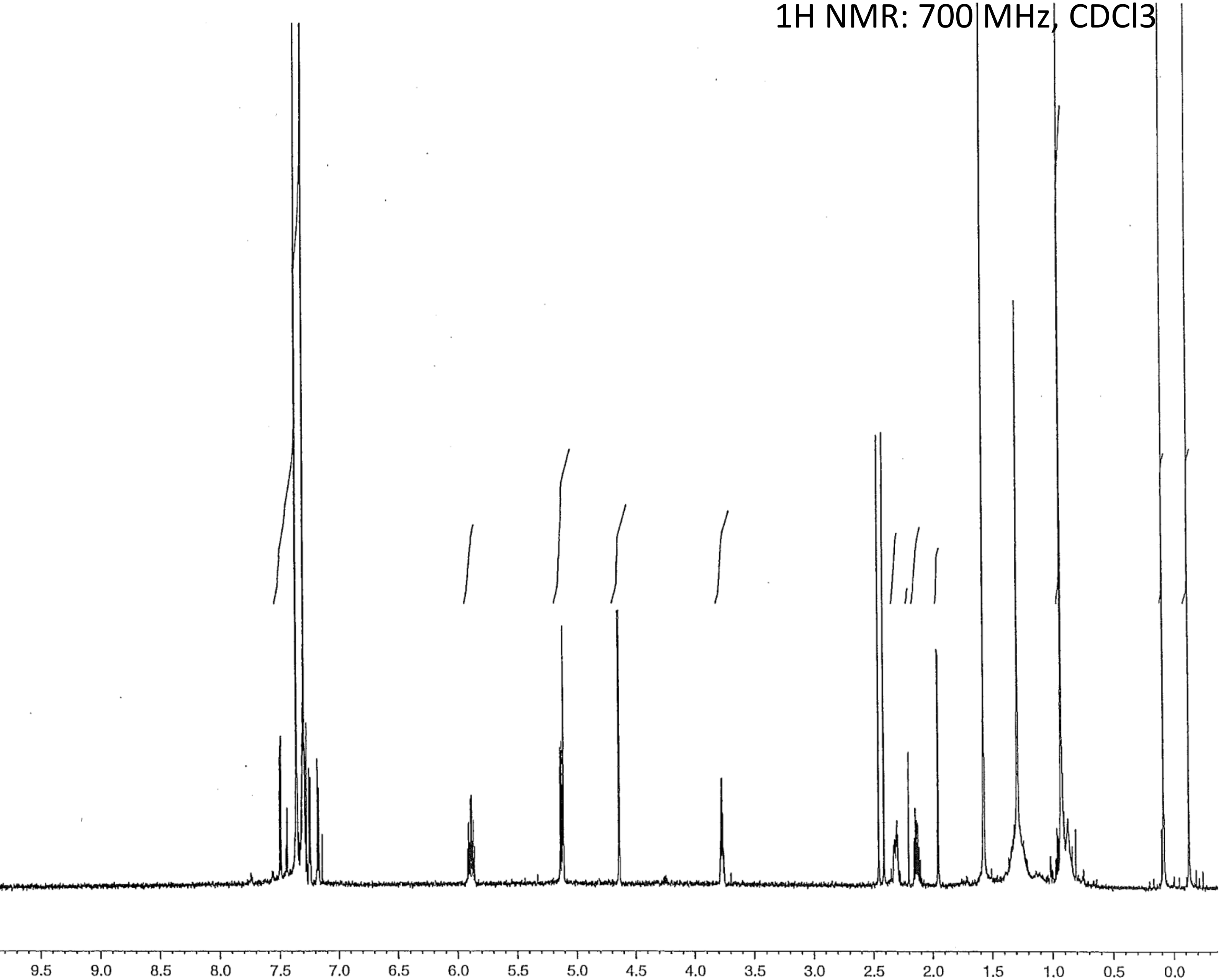
13C NMR: 175 MHz, CDCl3

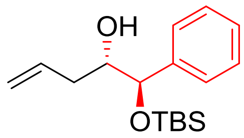




188a $C_{17}H_{28}O_2Si$
(292.5)

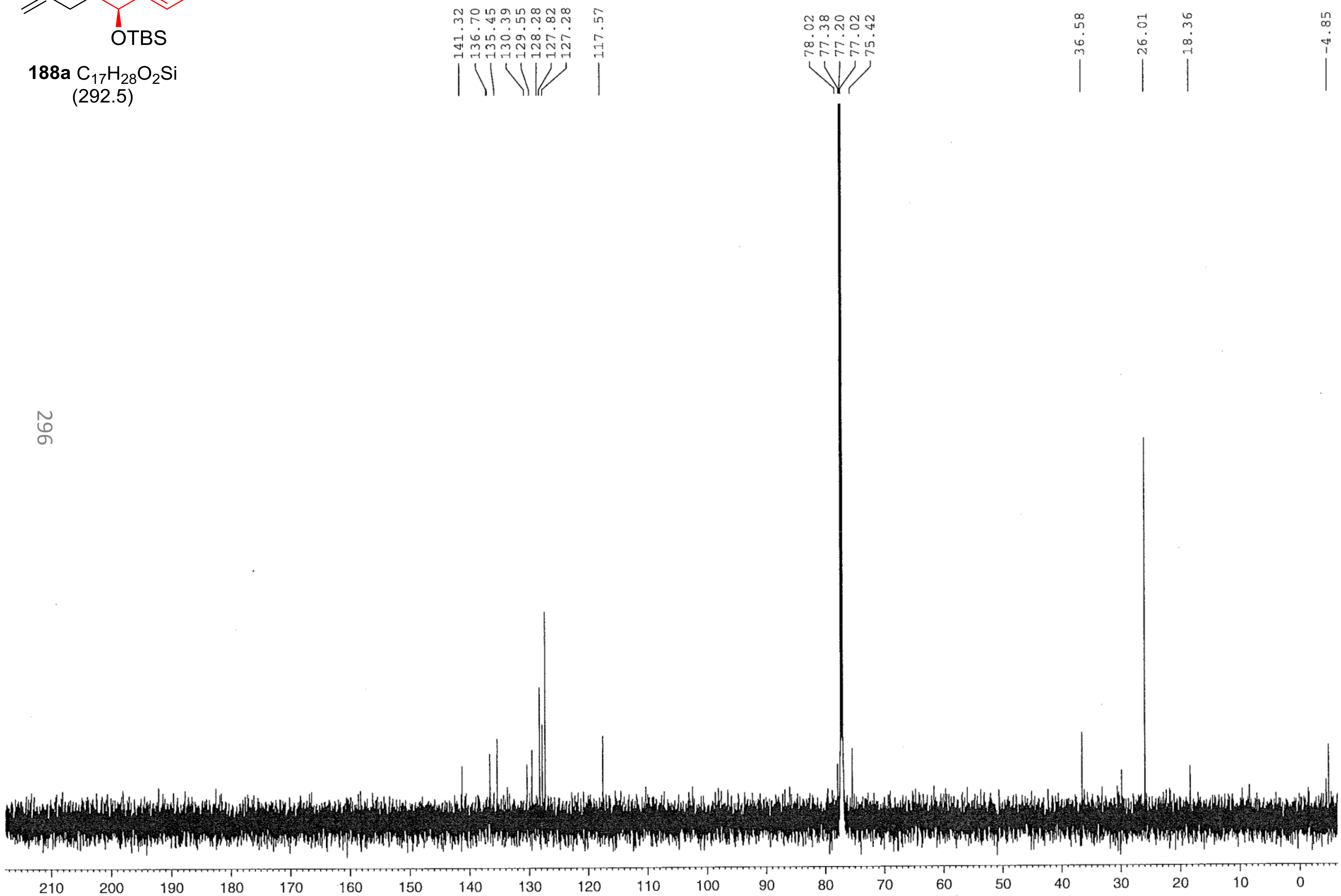
1H NMR: 700 MHz, CDCl3

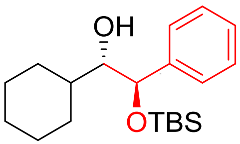




188a $C_{17}H_{28}O_2Si$
(292.5)

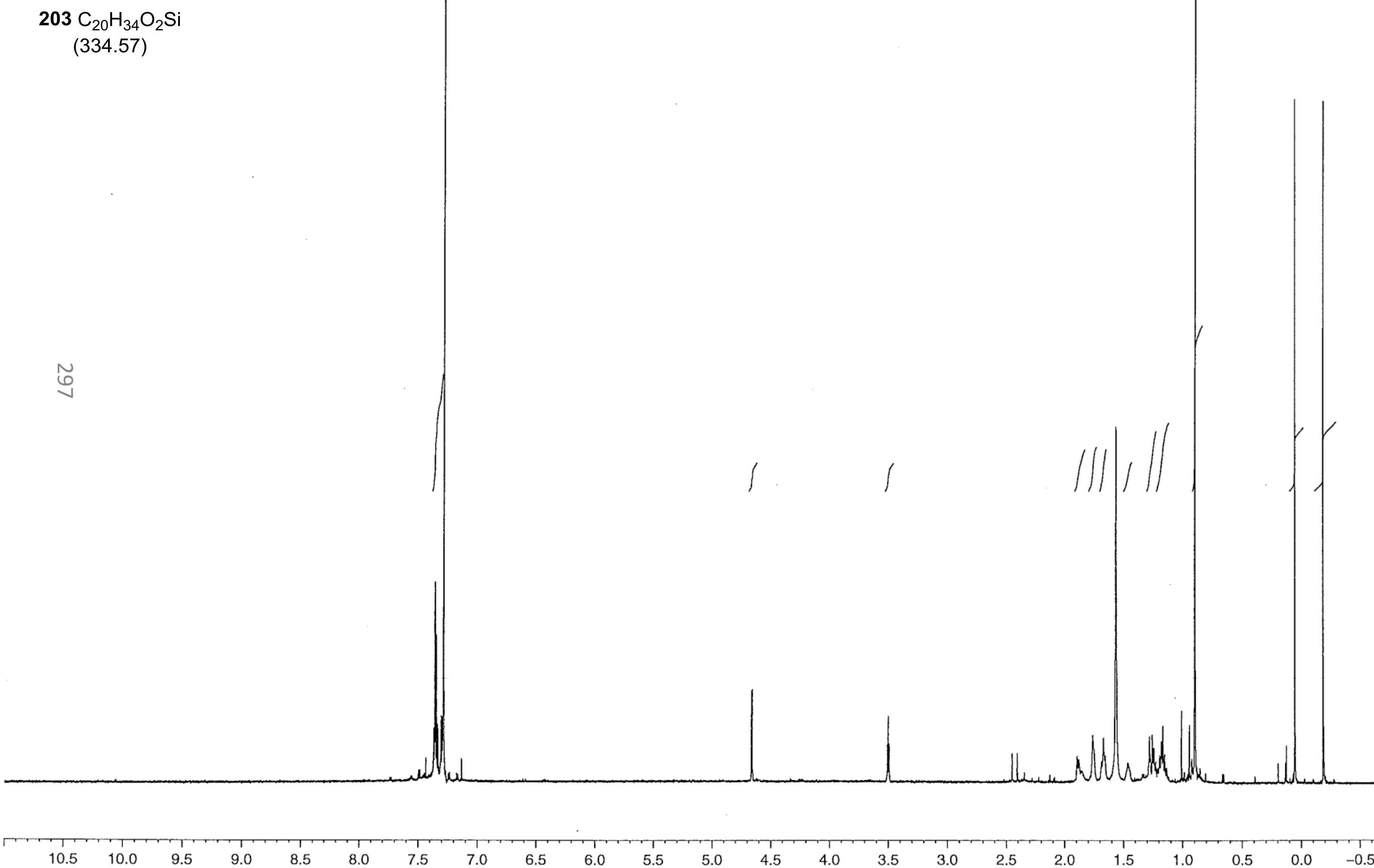
13C NMR: 175 MHz, CDCl3

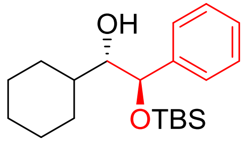




203 $C_{20}H_{34}O_2Si$
(334.57)

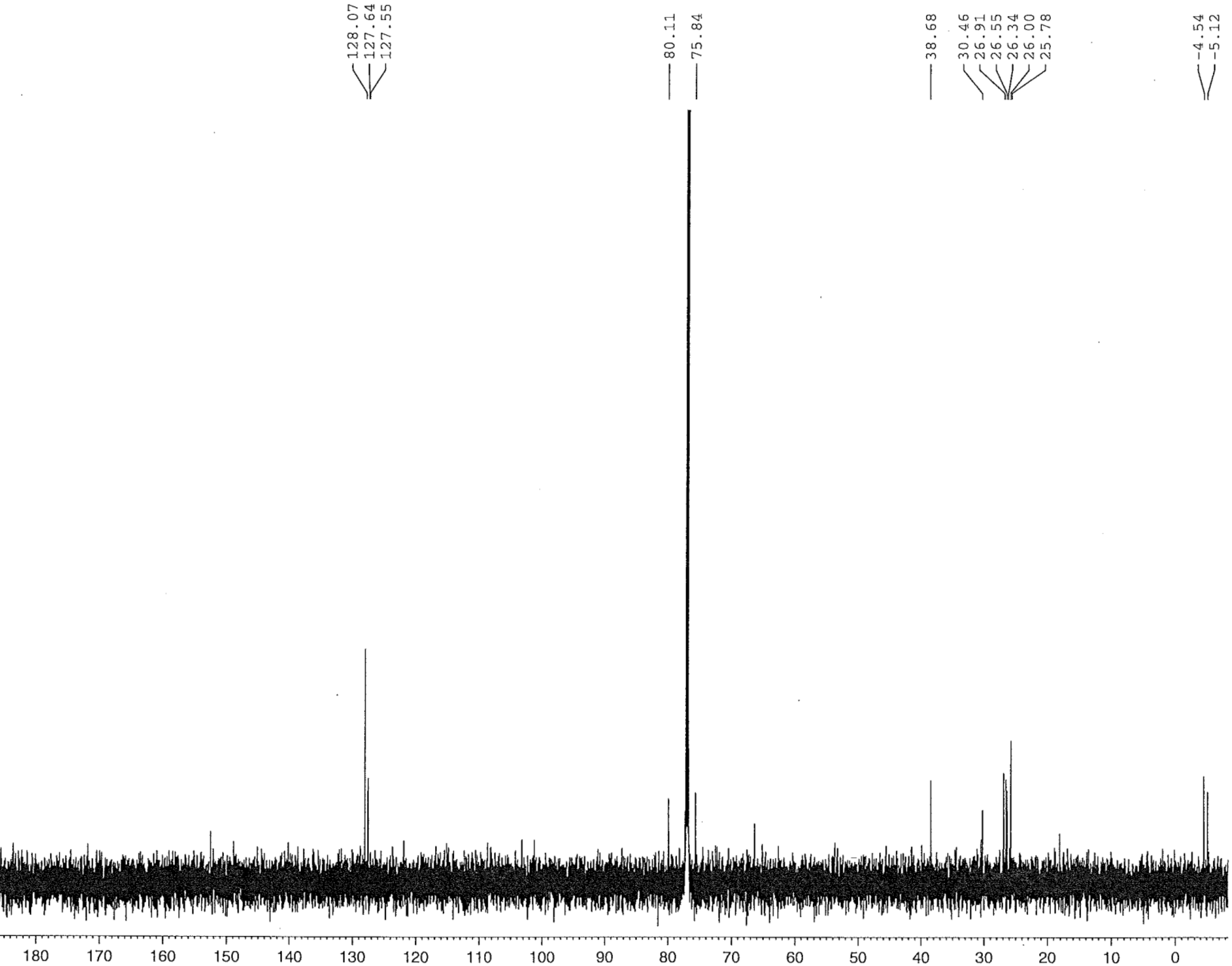
1H NMR: 700 MHz, CDCl3



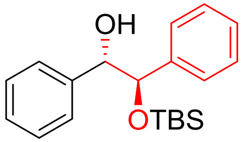


203 $C_{20}H_{34}O_2Si$
(334.57)

13C NMR: 175 MHz, CDCl3

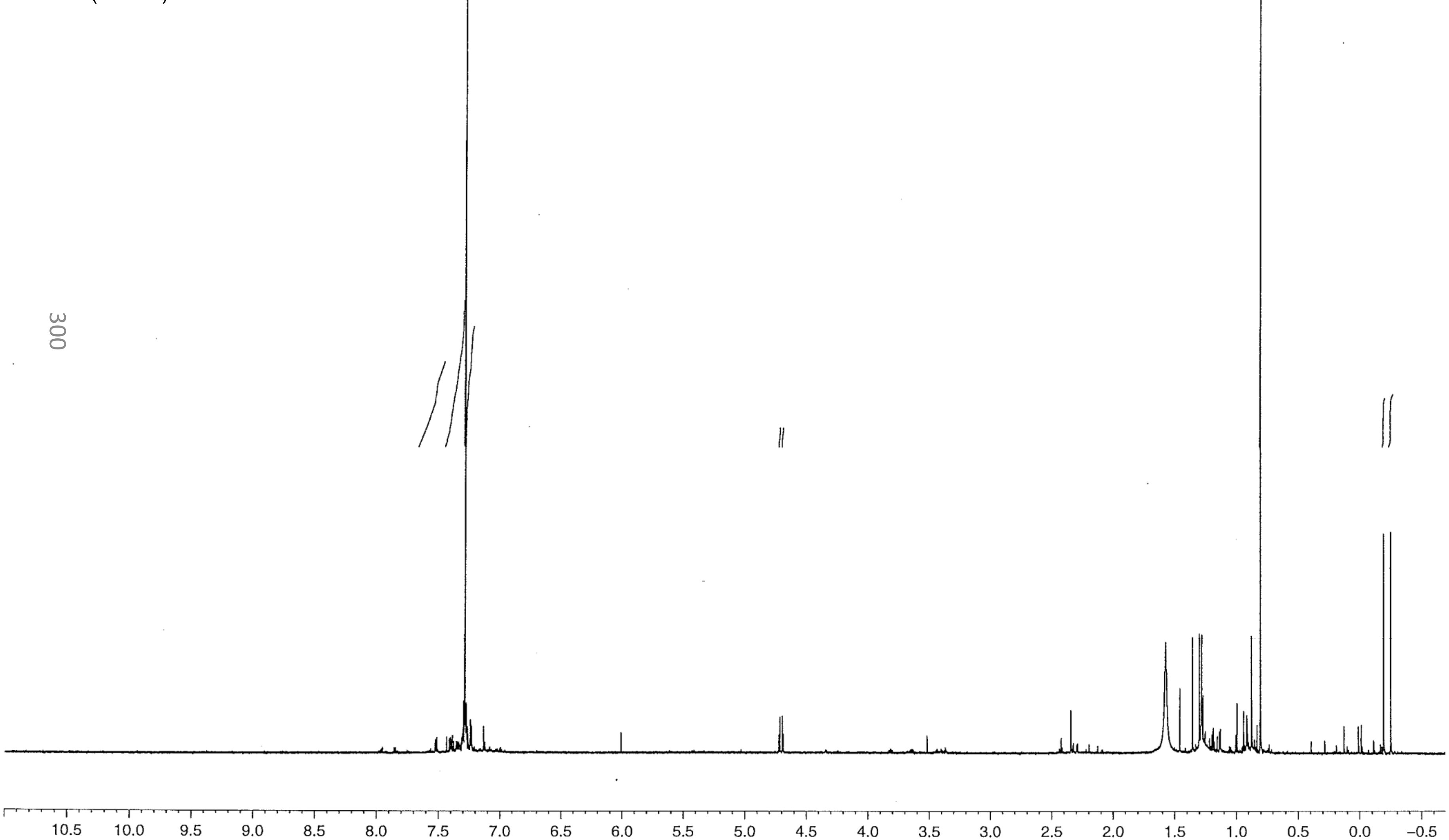


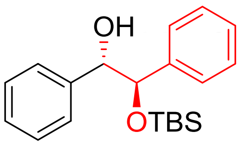
299



202a $C_{20}H_{28}O_2Si$
(328.53)

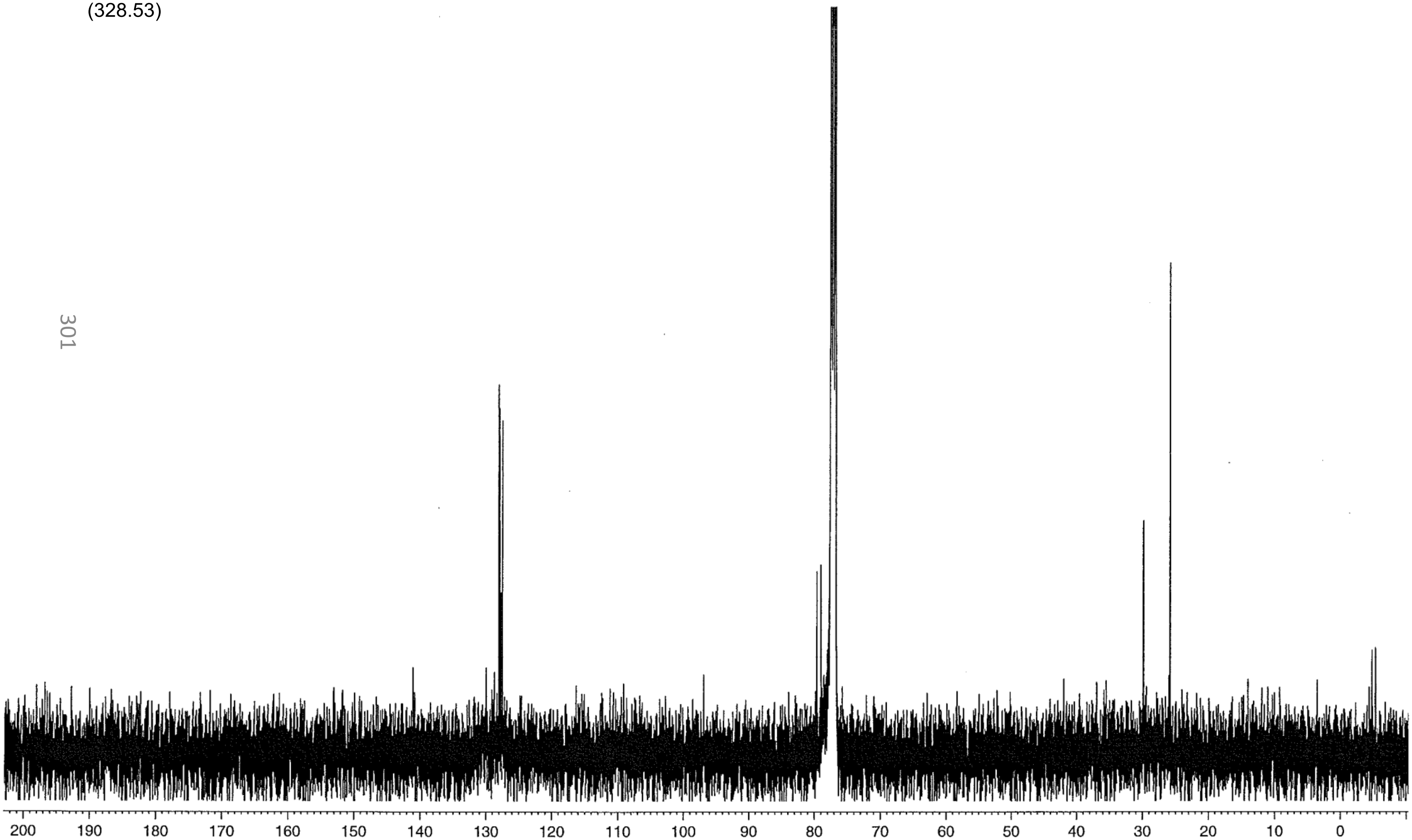
1H NMR: 700 MHz, CDCl3

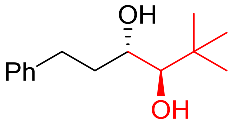




202a $C_{20}H_{28}O_2Si$
(328.53)

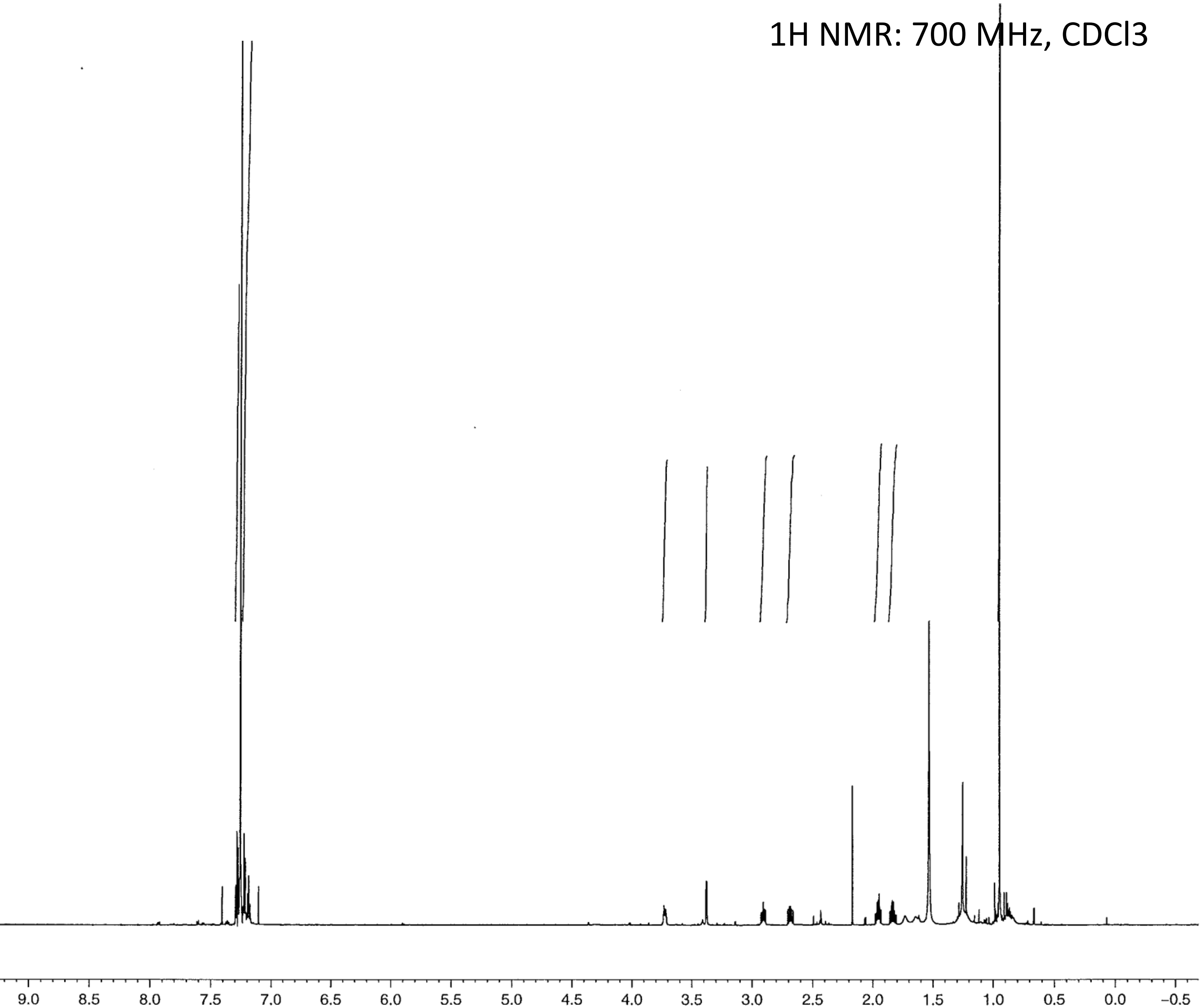
13C NMR: 175 MHz, CDCl3

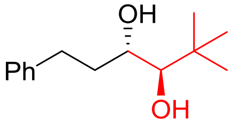




195a $C_{14}H_{22}O_2$
(222.32)

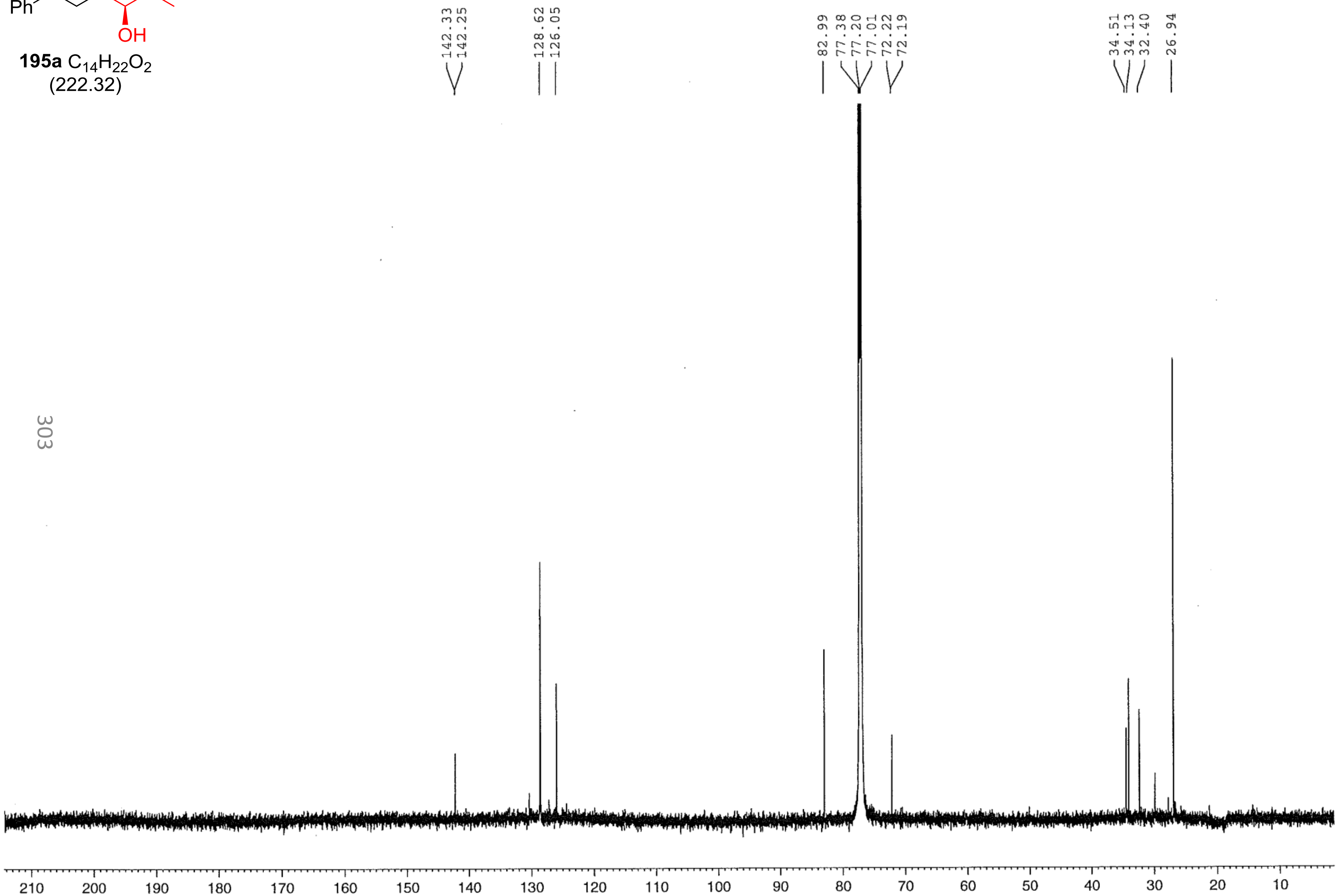
1H NMR: 700 MHz, CDCl3

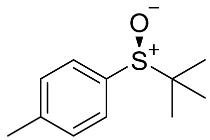




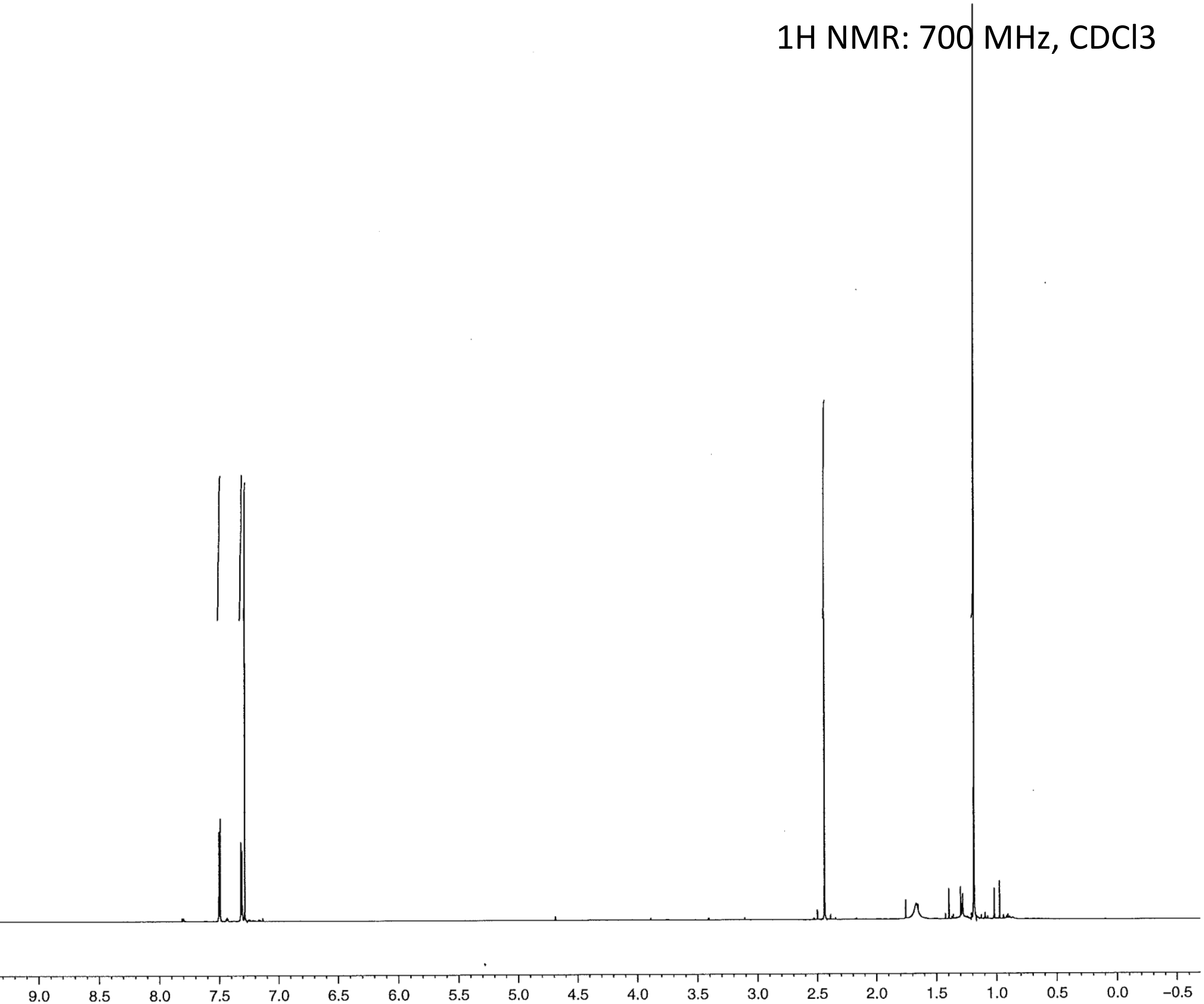
195a $C_{14}H_{22}O_2$
(222.32)

13C NMR: 175 MHz, CDCl3



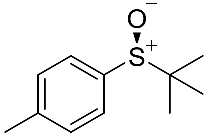


84 $C_{11}H_{16}OS$
(196.31)

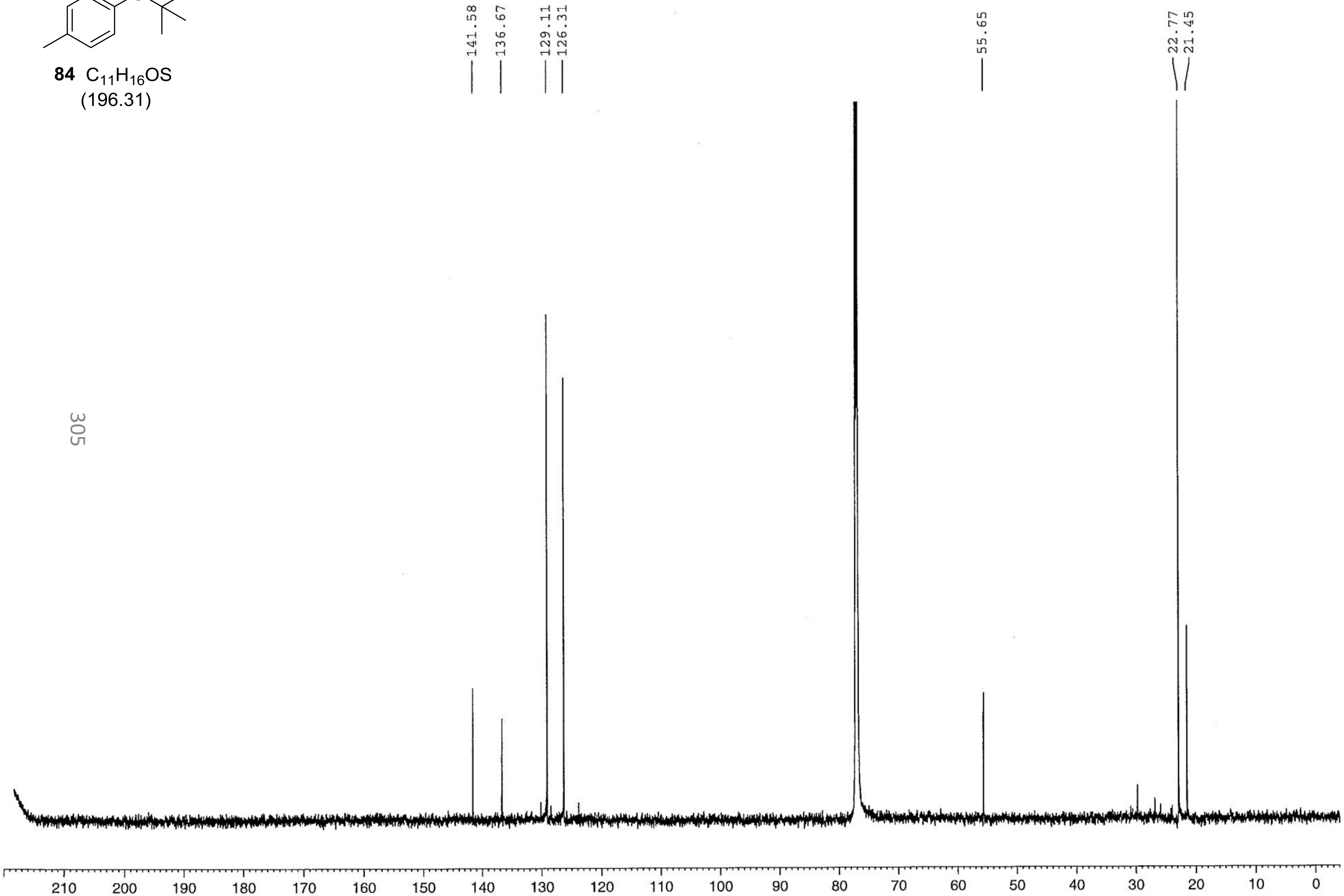


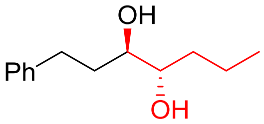
304

13C NMR: 175 MHz, CDCl3

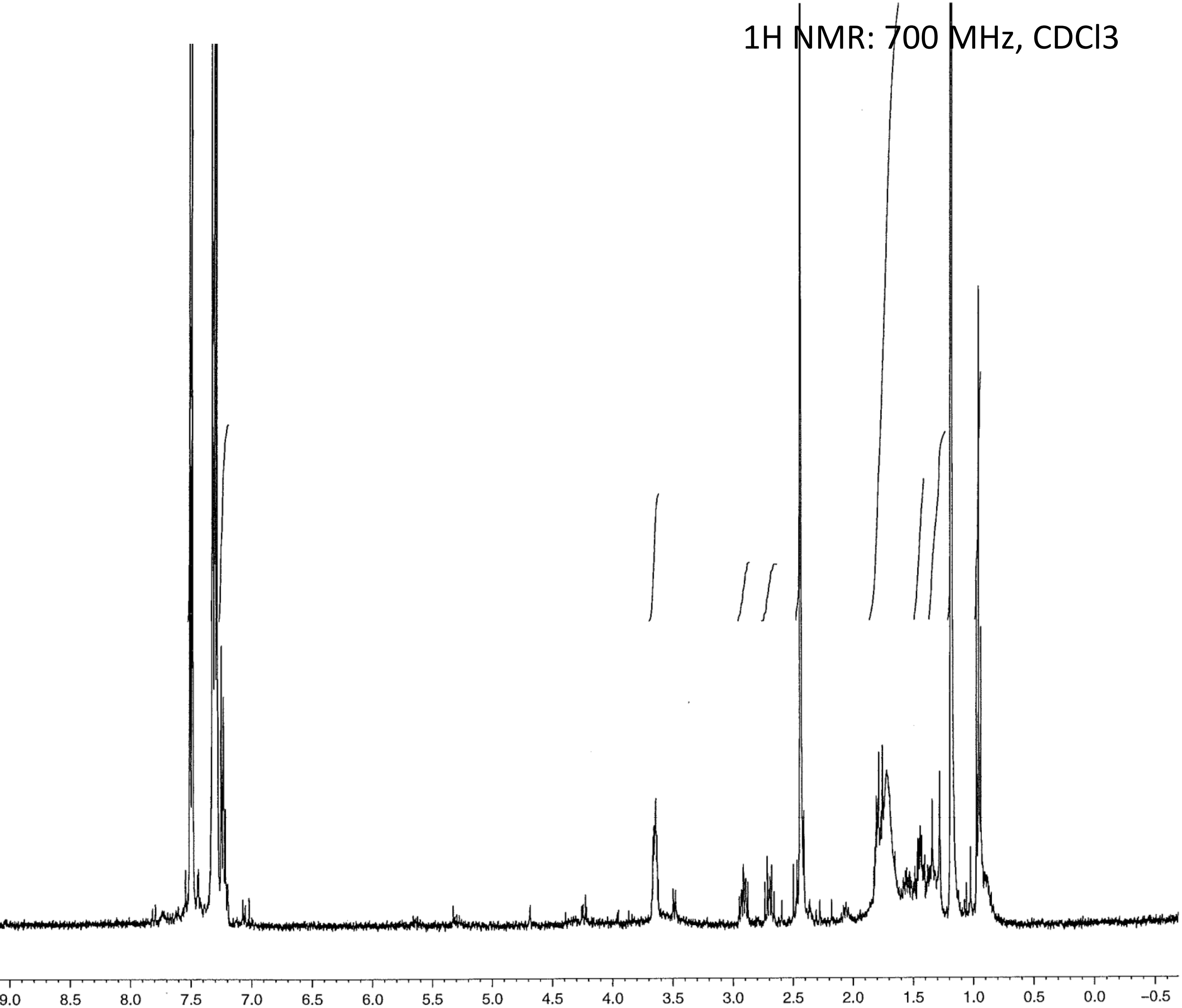


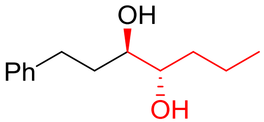
84 $C_{11}H_{16}OS$
(196.31)





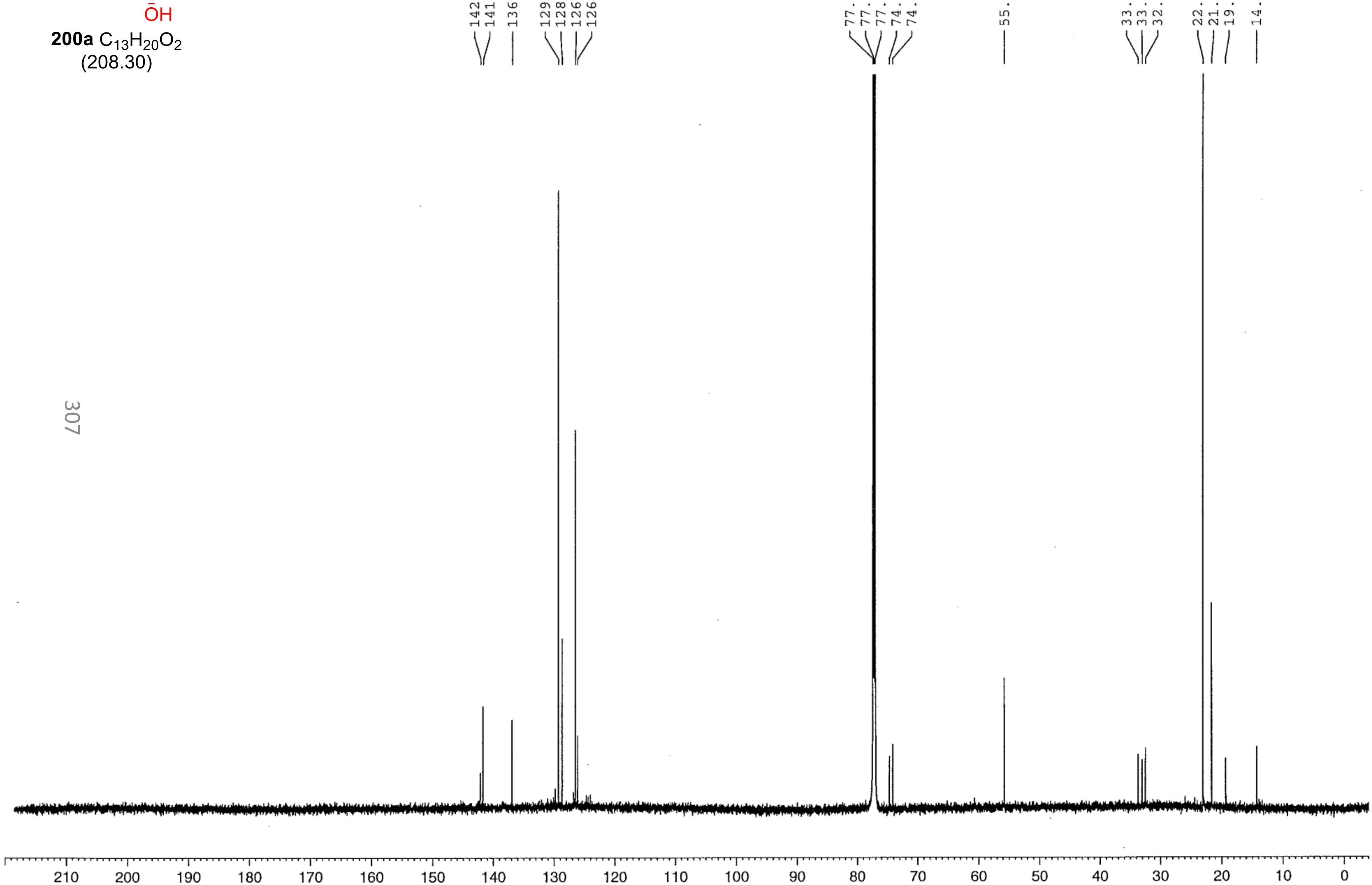
200a $C_{13}H_{20}O_2$
(208.30)

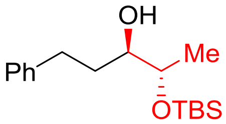




200a $C_{13}H_{20}O_2$
(208.30)

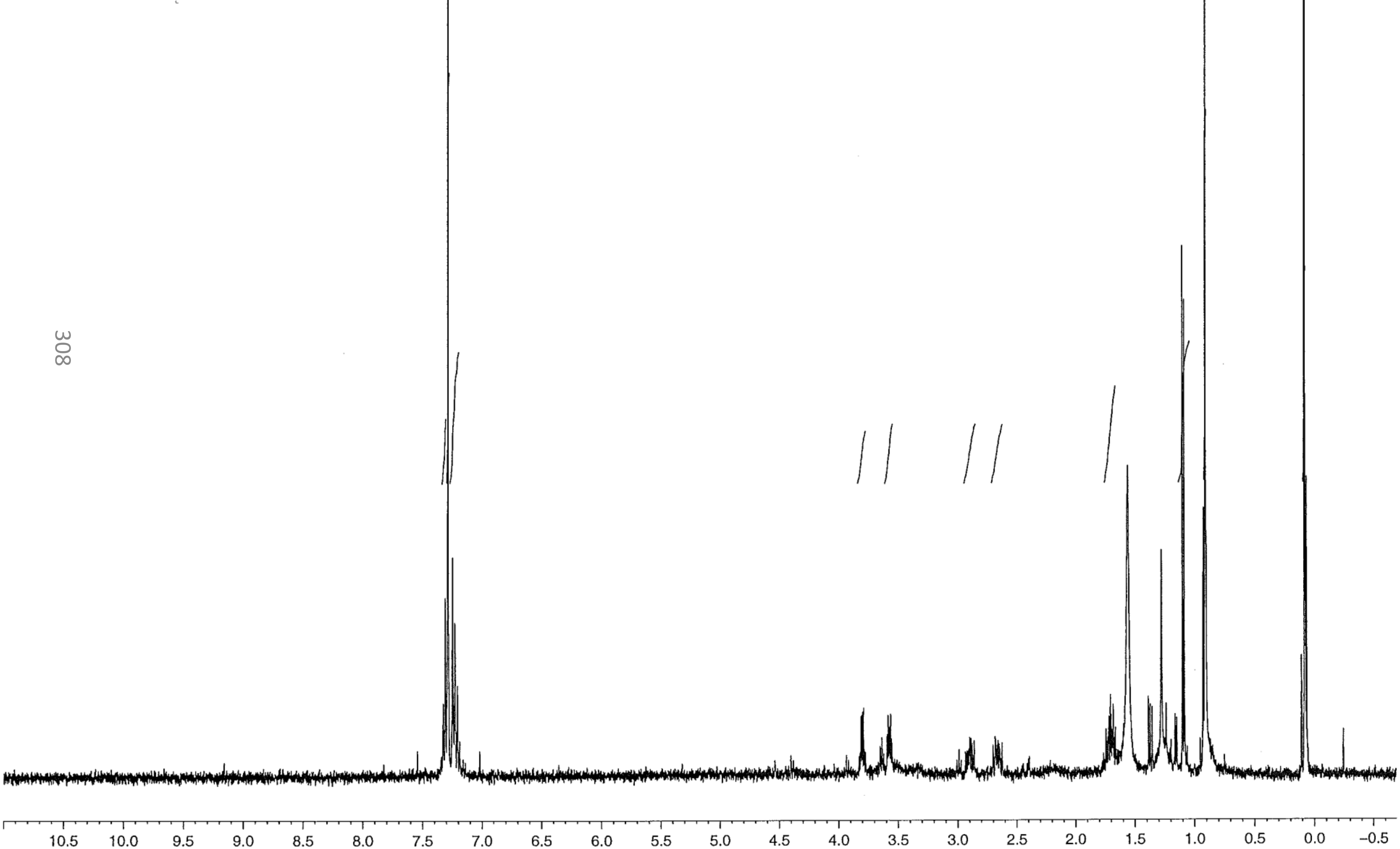
13C NMR: 175 MHz, CDCl3

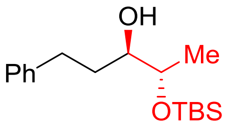




199a $C_{17}H_{30}O_2Si$
(294.51)

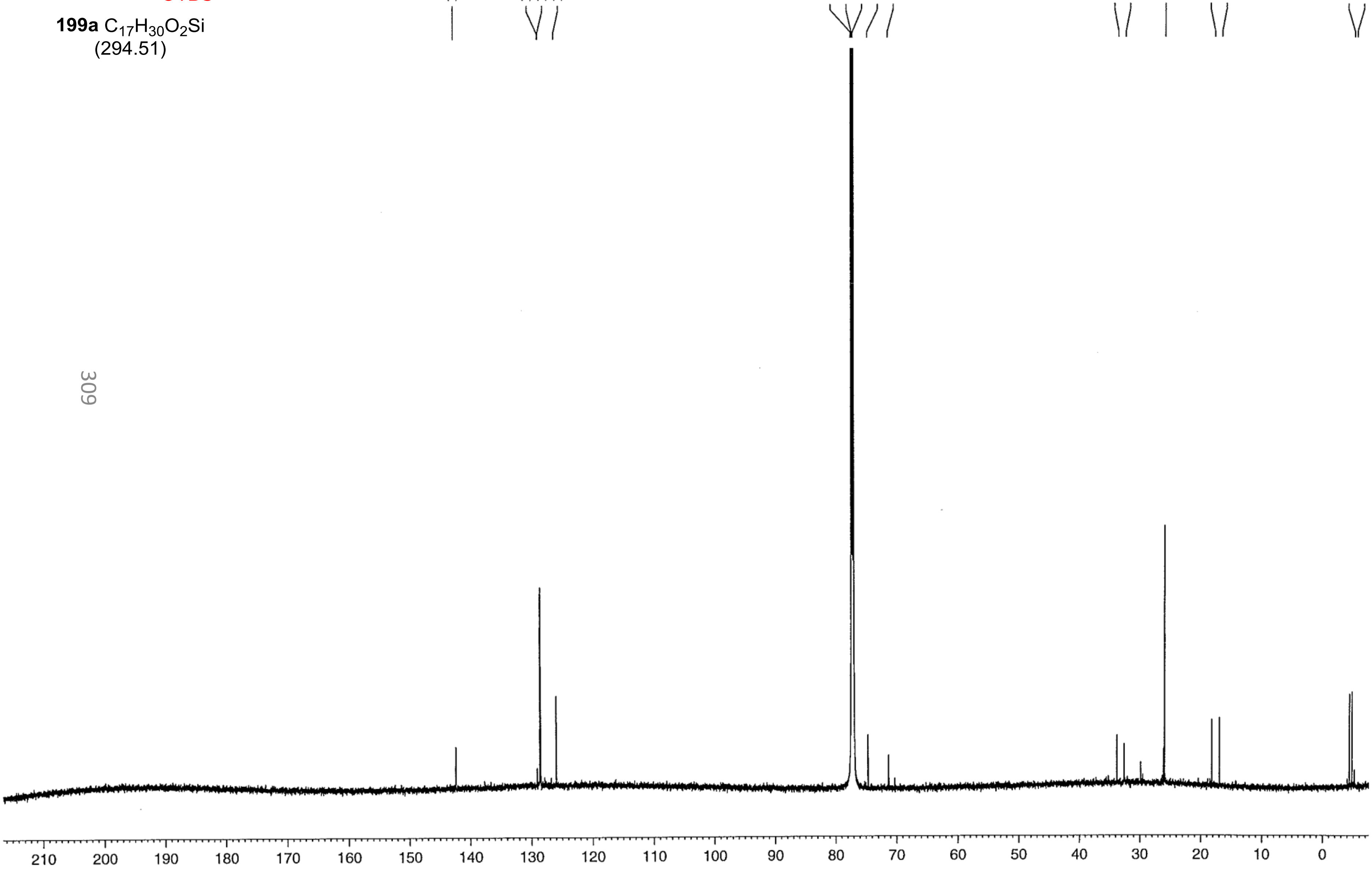
1H NMR: 700 MHz, CDCl3



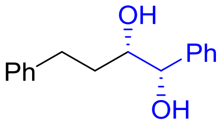


199a $C_{17}H_{30}O_2Si$
(294.51)

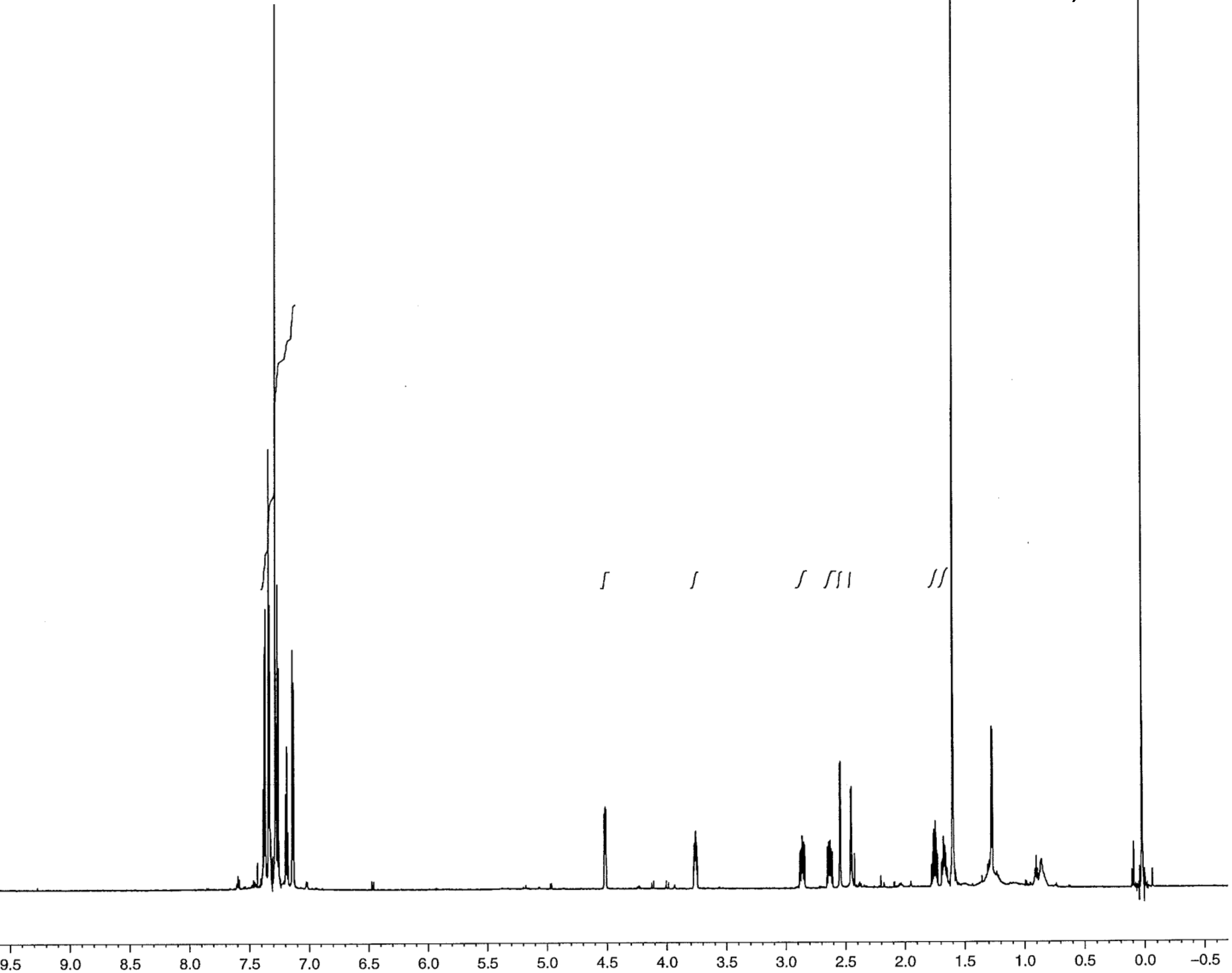
13C NMR: 175 MHz, CDCl3

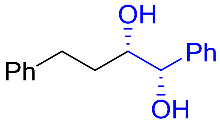


1H NMR: 700 MHz, CDCl3



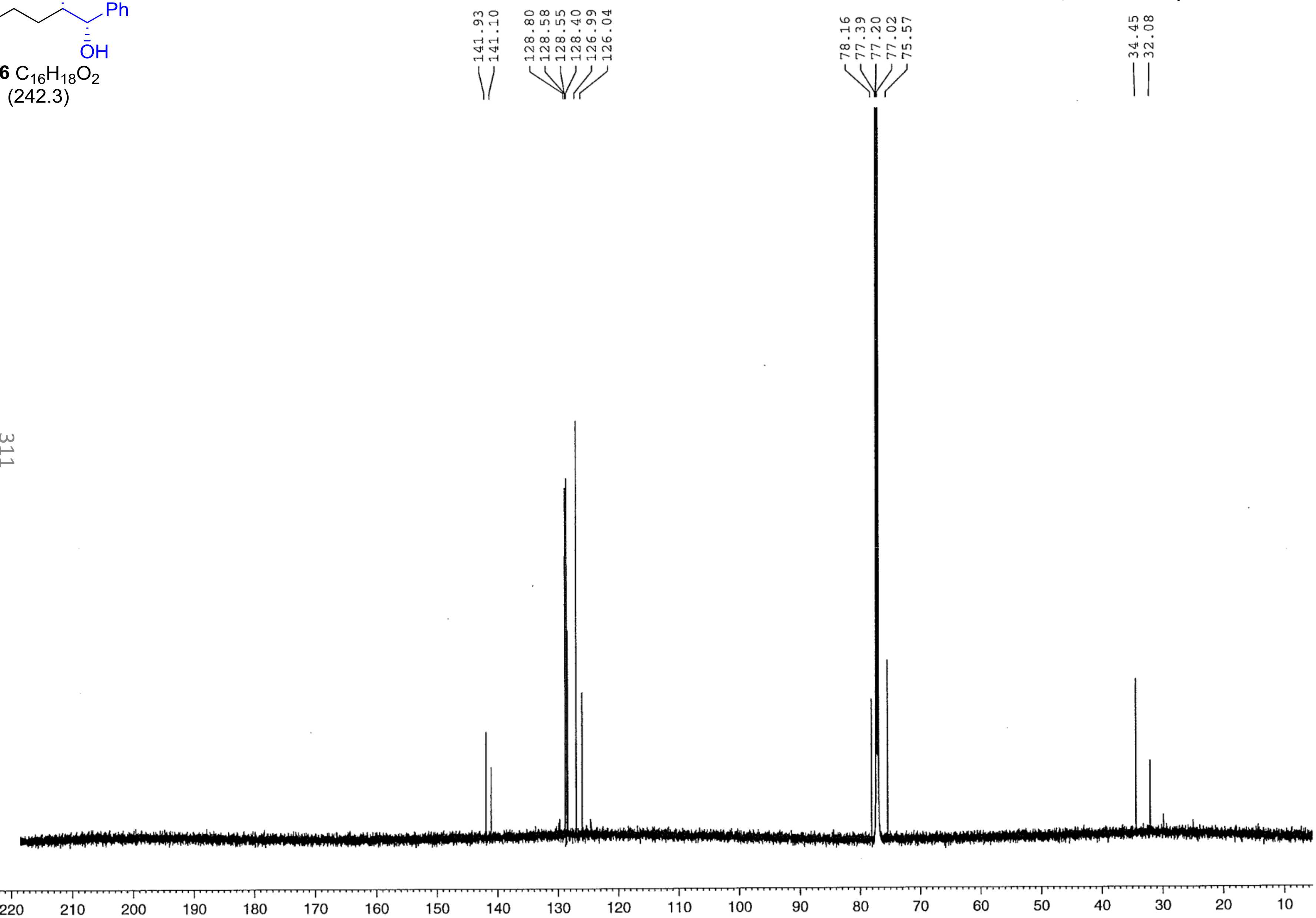
196 $C_{16}H_{18}O_2$
(242.3)

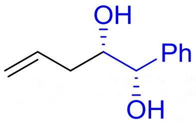




196 $C_{16}H_{18}O_2$
(242.3)

13C NMR: 175 MHz, CDCl3

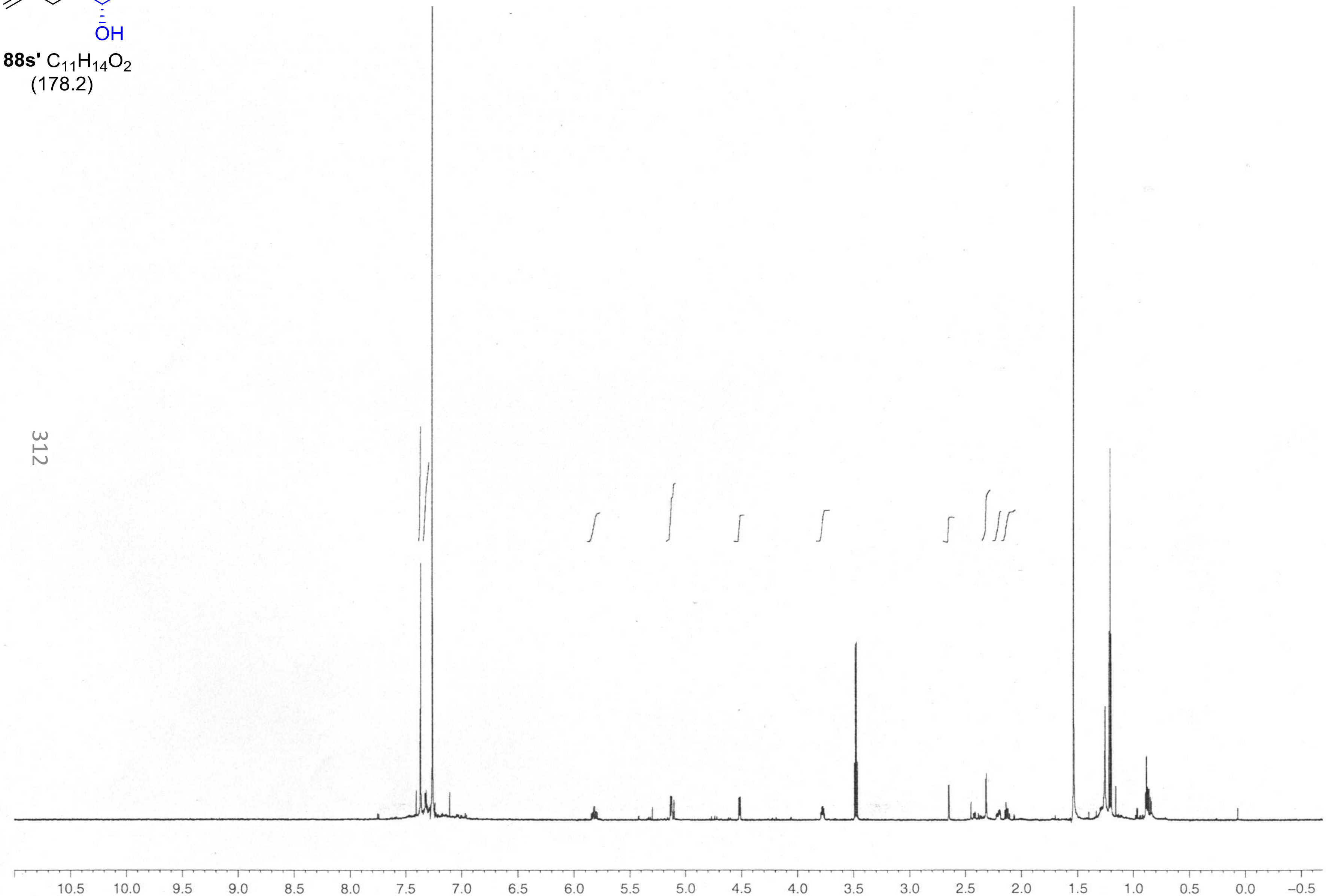




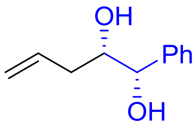
188s' $C_{11}H_{14}O_2$
(178.2)

1H NMR: 700 MHz, CDCl3

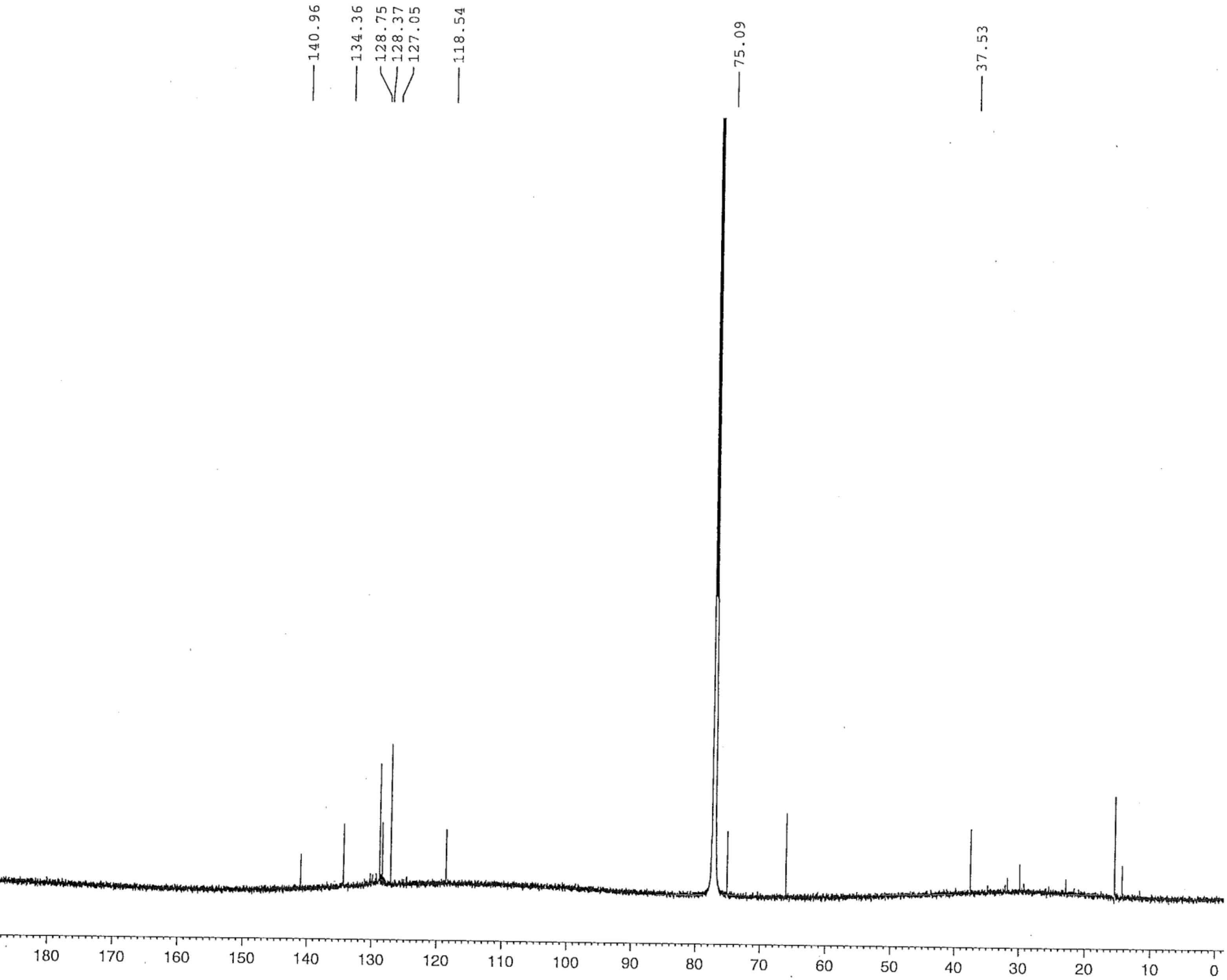
312

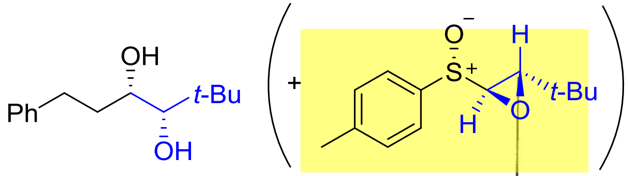


13C NMR: 700 MHz, CDCl3



188s' $C_{11}H_{14}O_2$
(178.2)

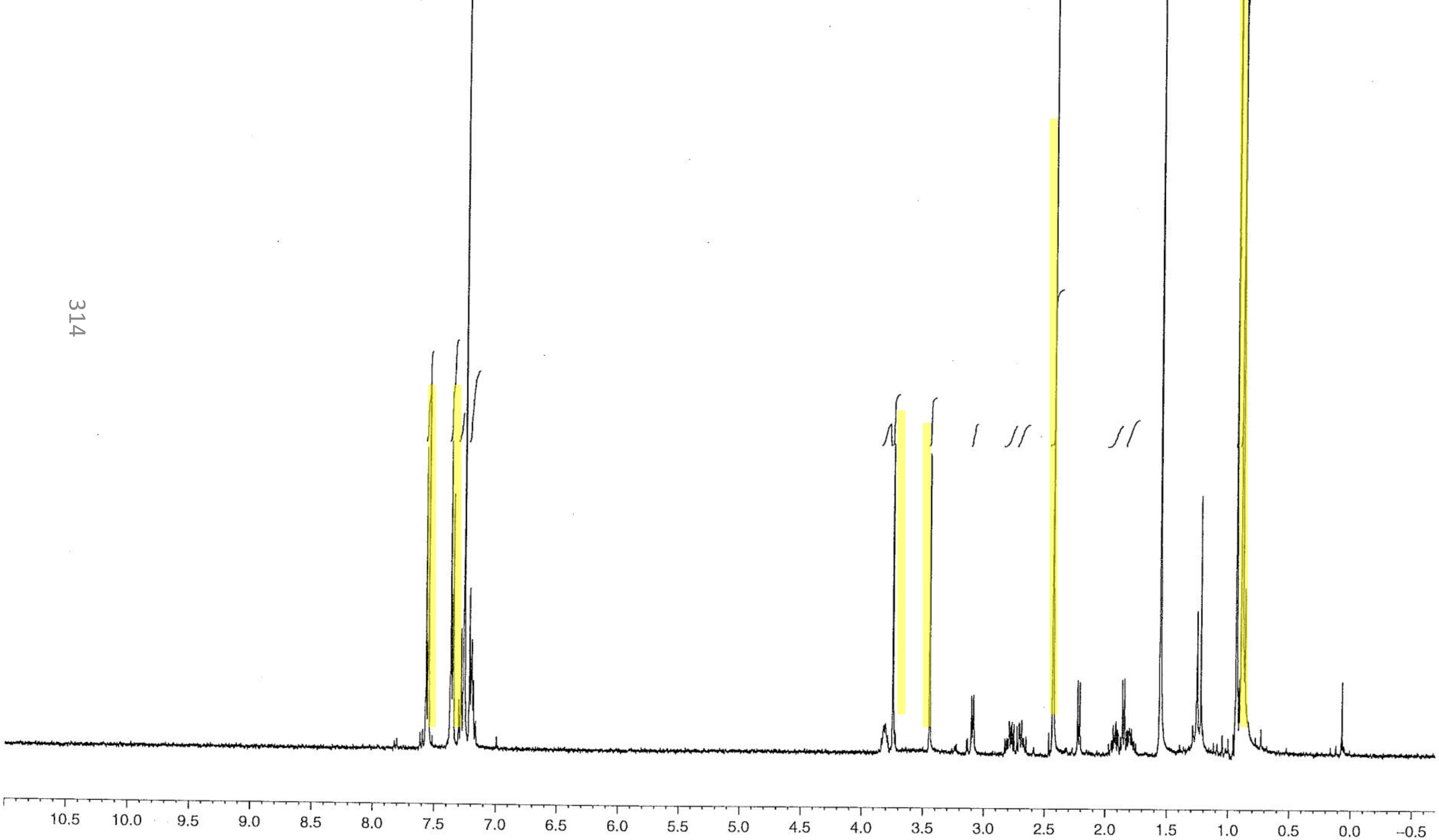


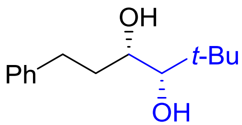


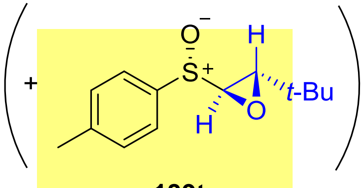
139t

195s $C_{14}H_{22}O_2$(222.3)
32 wt. % pure remainder co-polar sulfinylepoxide **139t**

1H NMR: 400 MHz, CDCl3



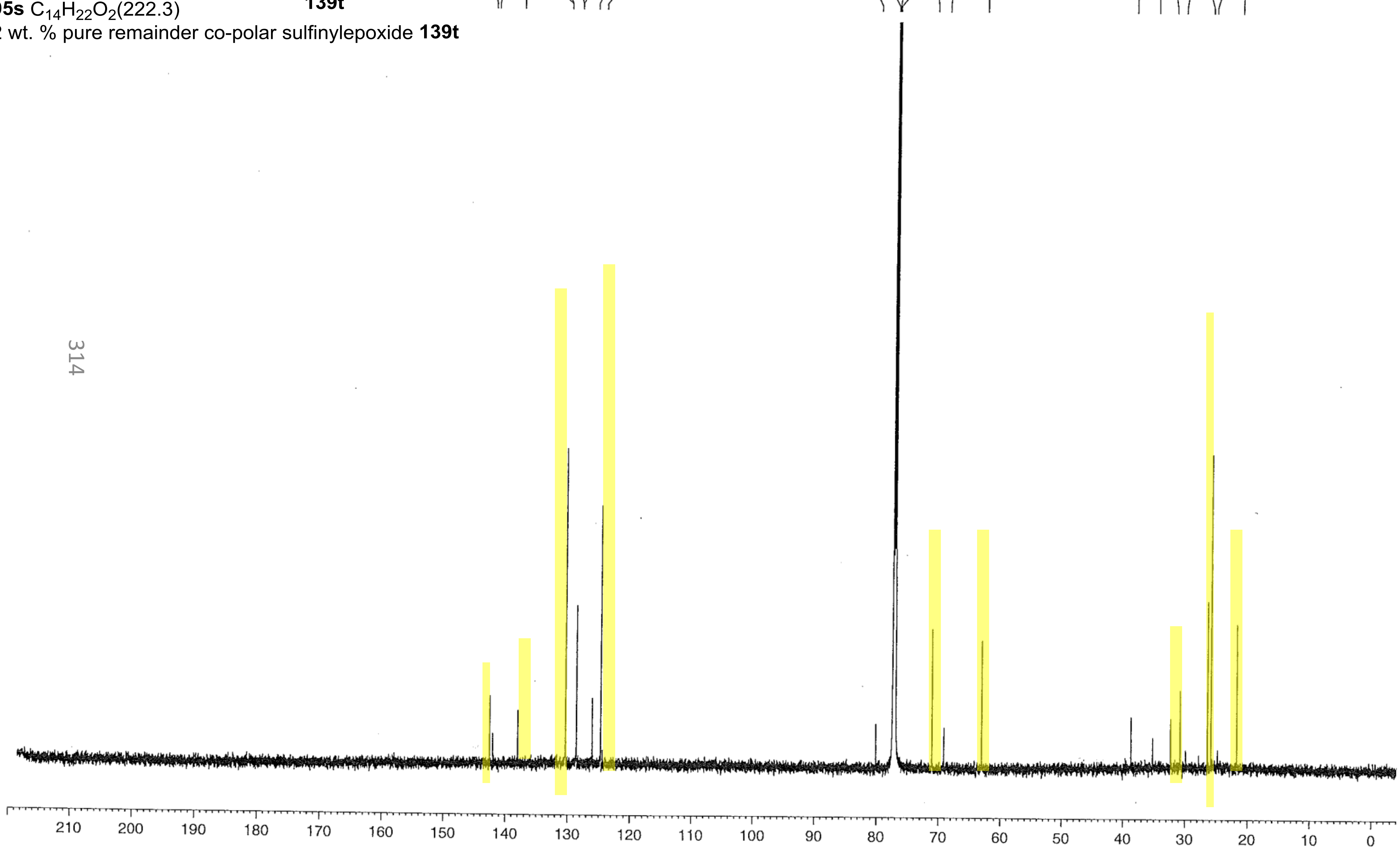




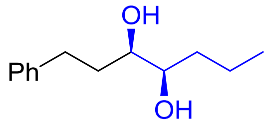
139t

195s $C_{14}H_{22}O_2$(222.3)
32 wt. % pure remainder co-polar sulfinylepoxide **139t**

13C NMR: 700 MHz, CDCl3

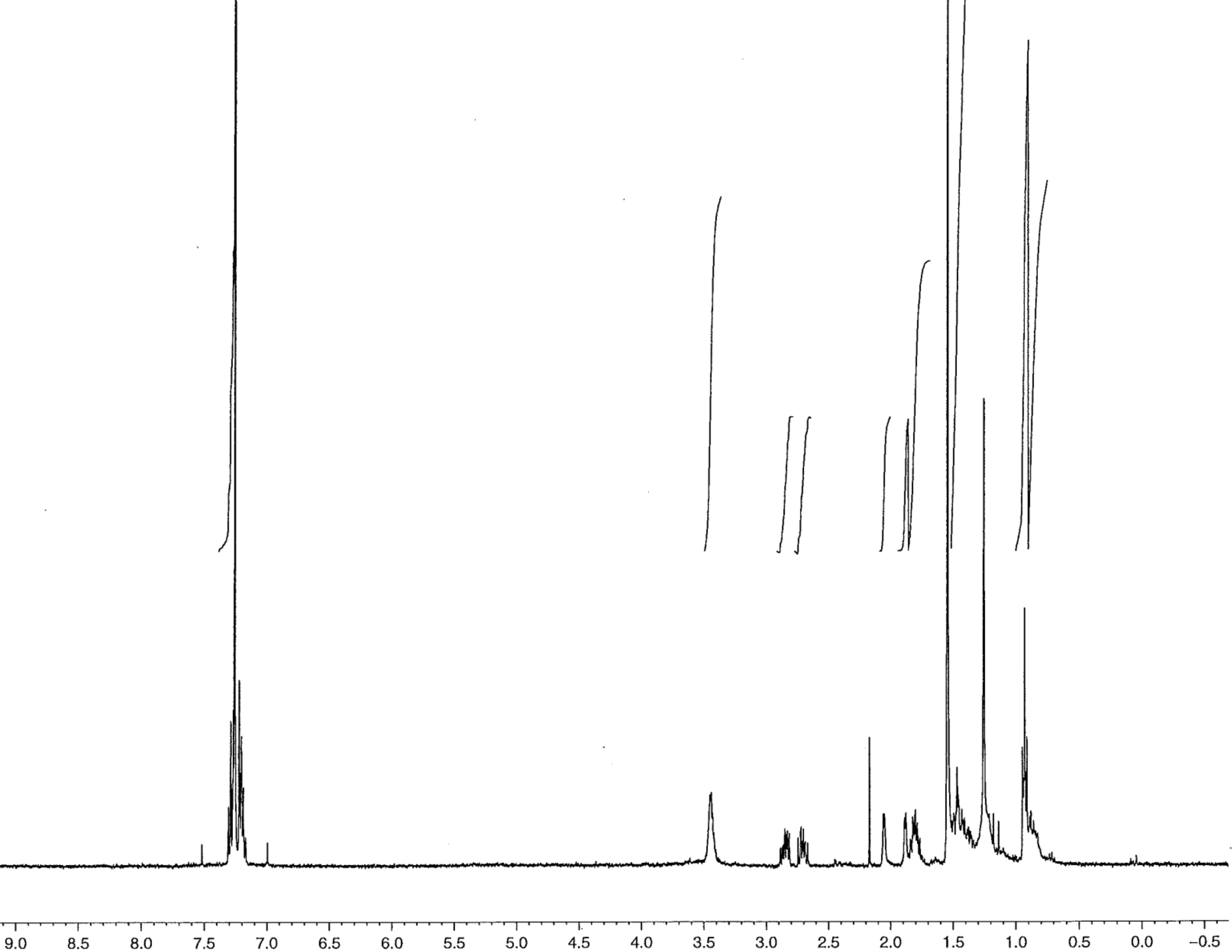


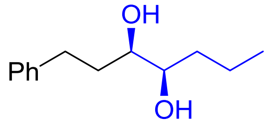
314



200s $C_{13}H_{20}O_2$
(208.15)

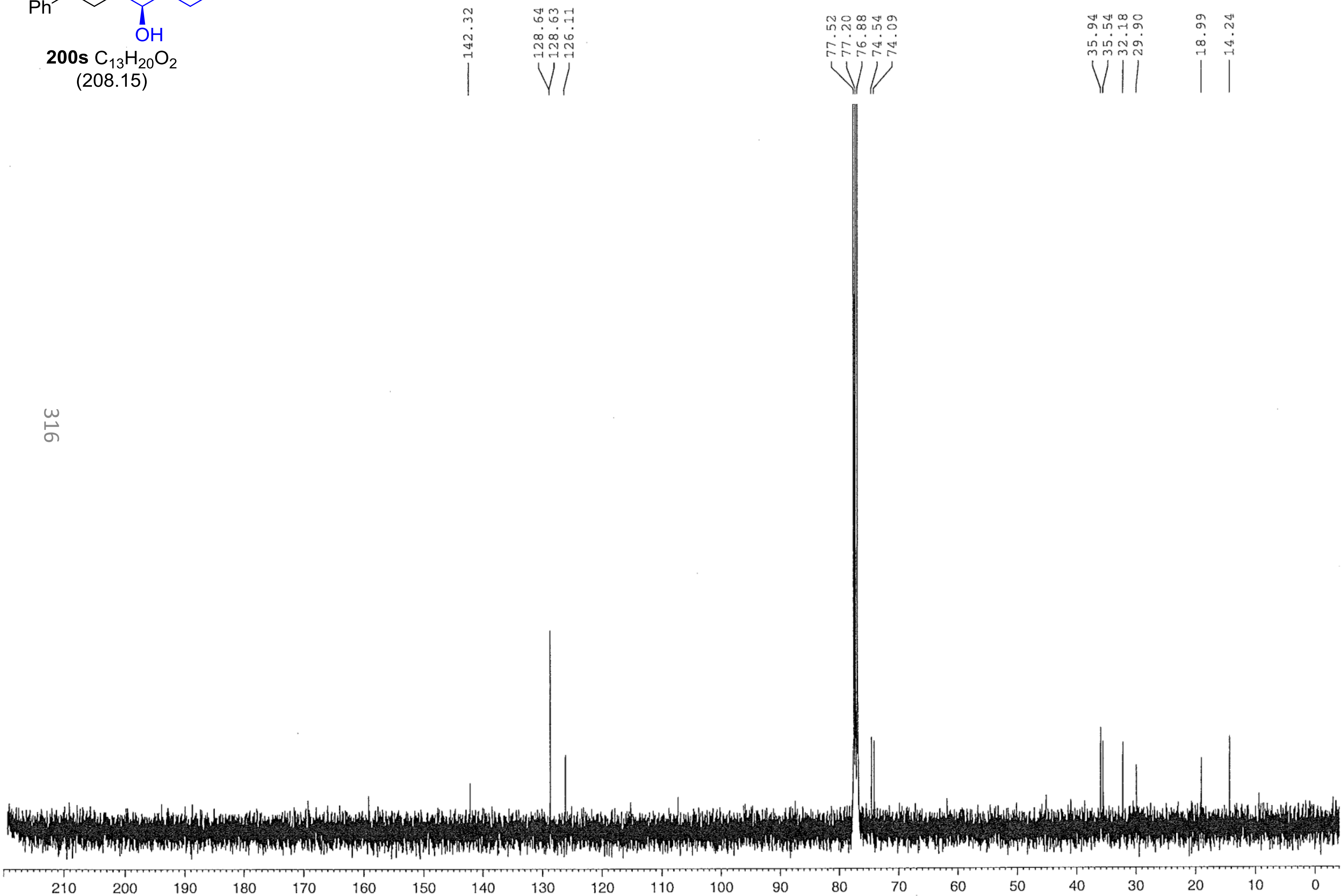
1H NMR: 400 MHz, CDCl3

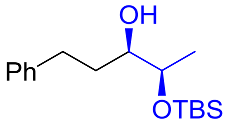




200s $C_{13}H_{20}O_2$
(208.15)

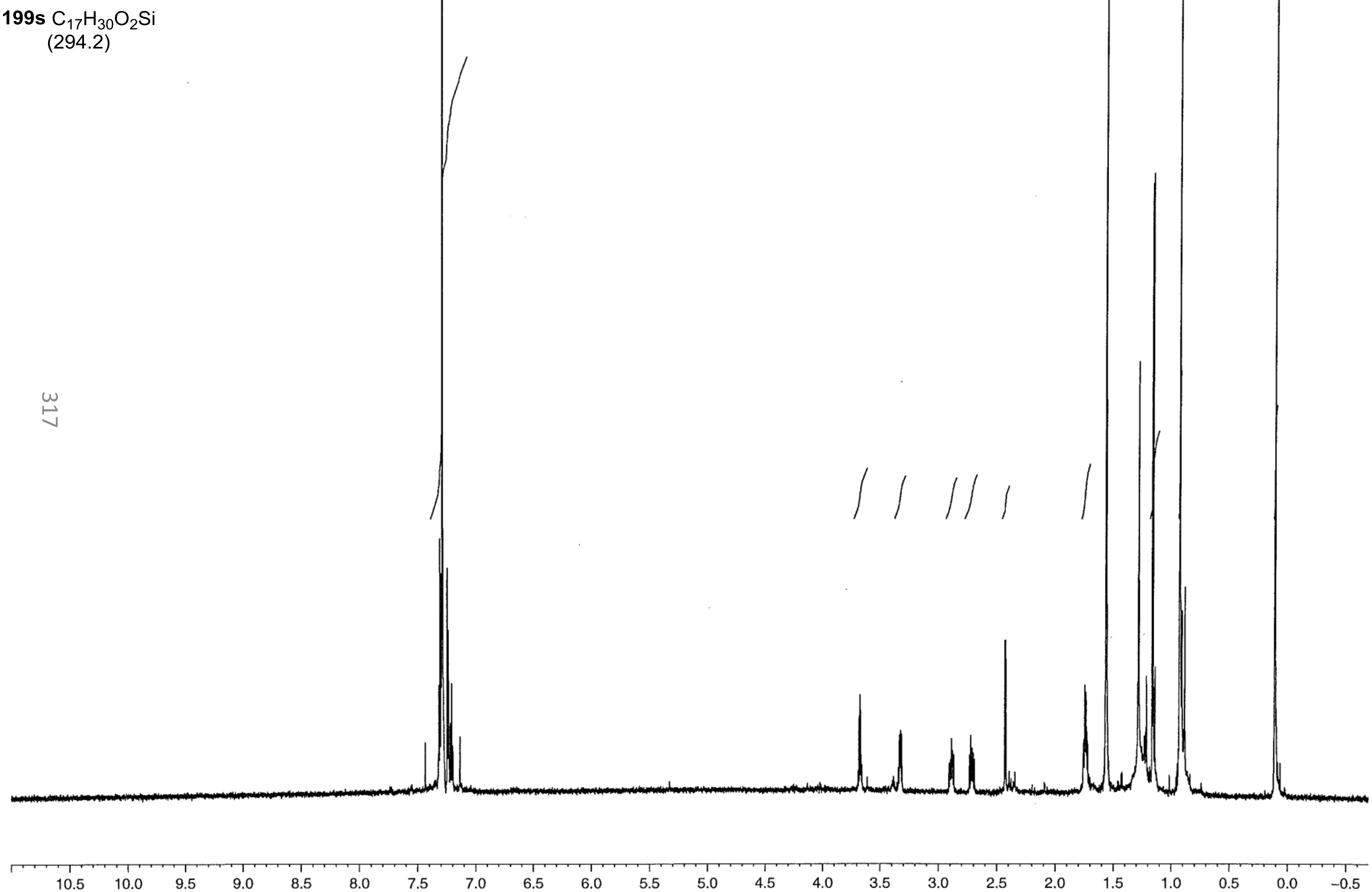
13C NMR: 100 MHz, CDCl3

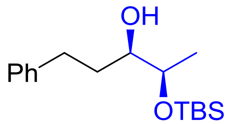




199s $C_{17}H_{30}O_2Si$
(294.2)

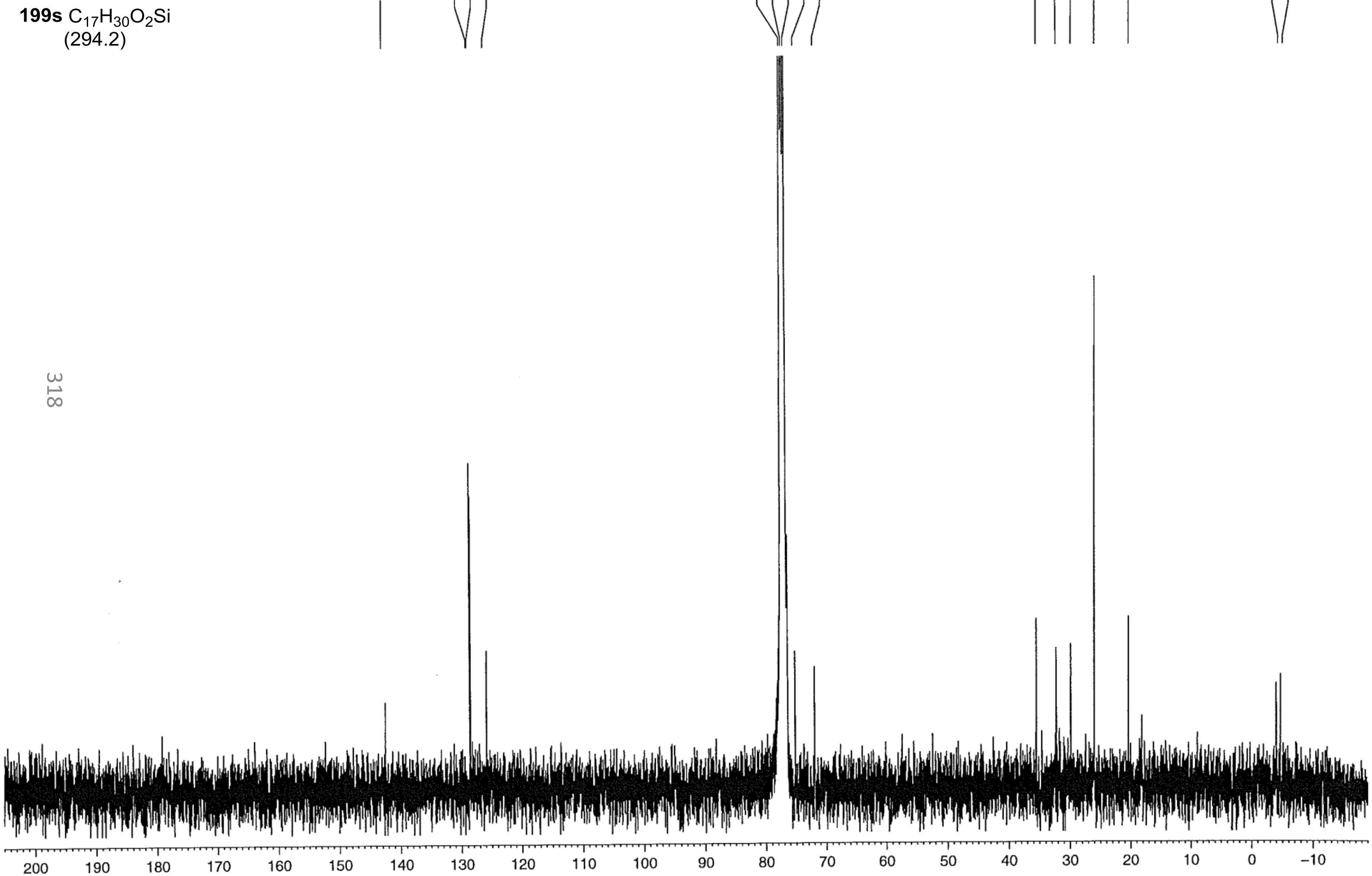
1H NMR: 700 MHz, CDCl3

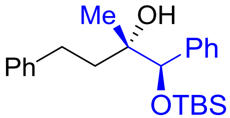




199s $C_{17}H_{30}O_2Si$
(294.2)

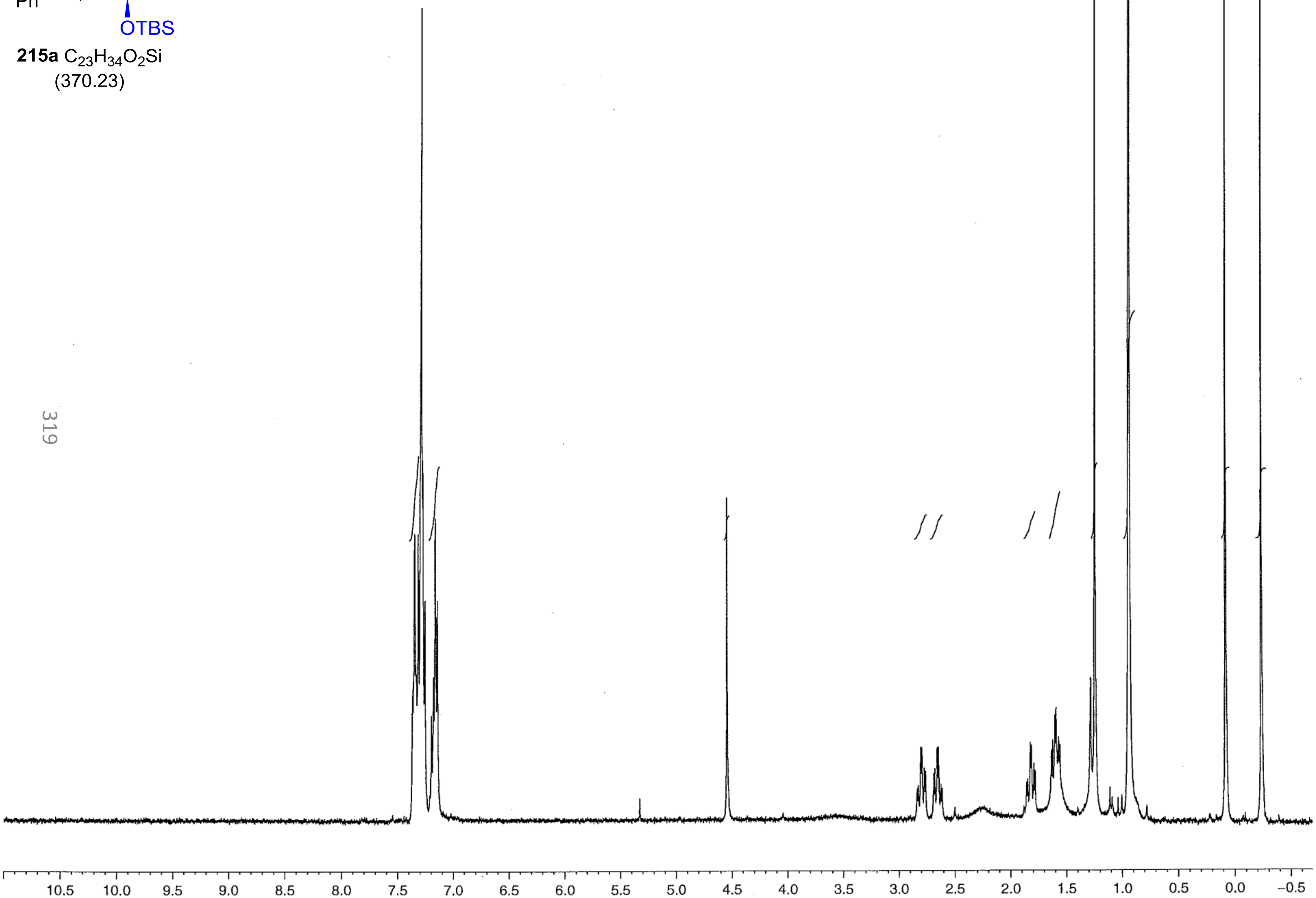
13C NMR: 100 MHz, CDCl3

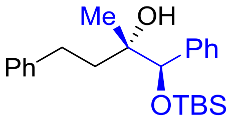




215a $C_{23}H_{34}O_2Si$
(370.23)

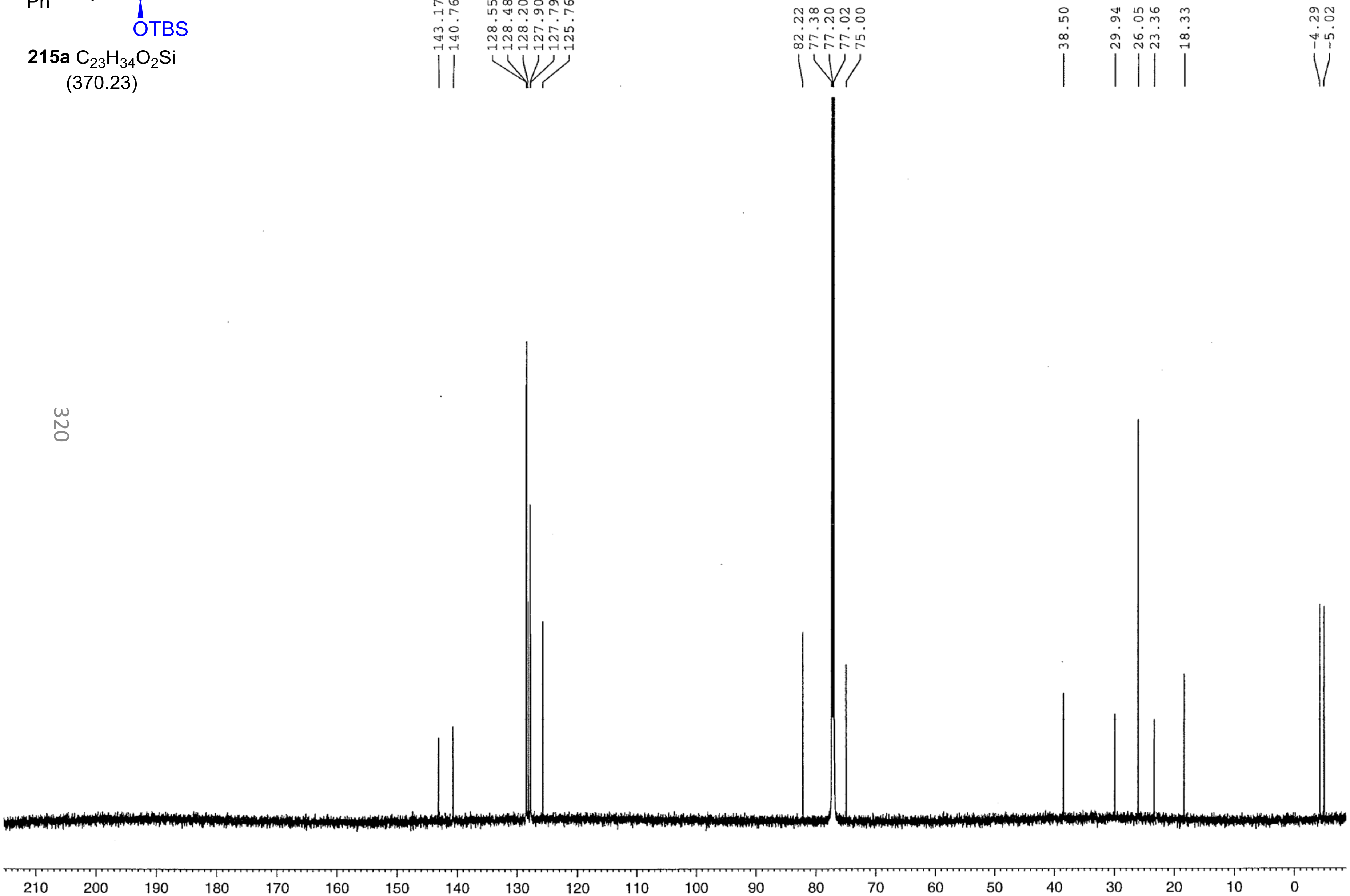
1H NMR: 700 MHz, CDCl3

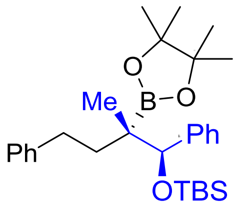




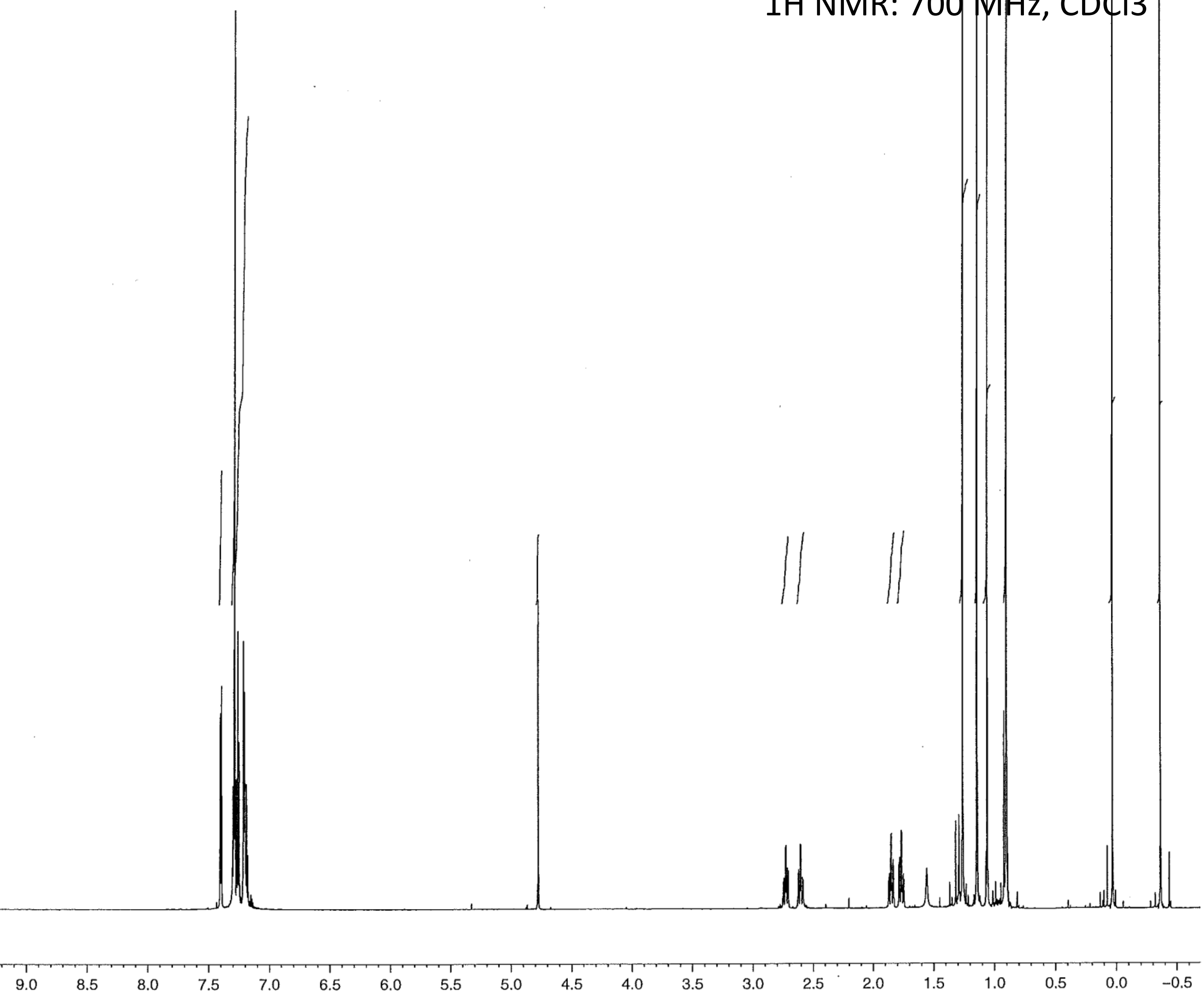
215a $C_{23}H_{34}O_2Si$
(370.23)

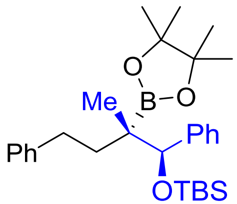
13C NMR: 175 MHz, CDCl3





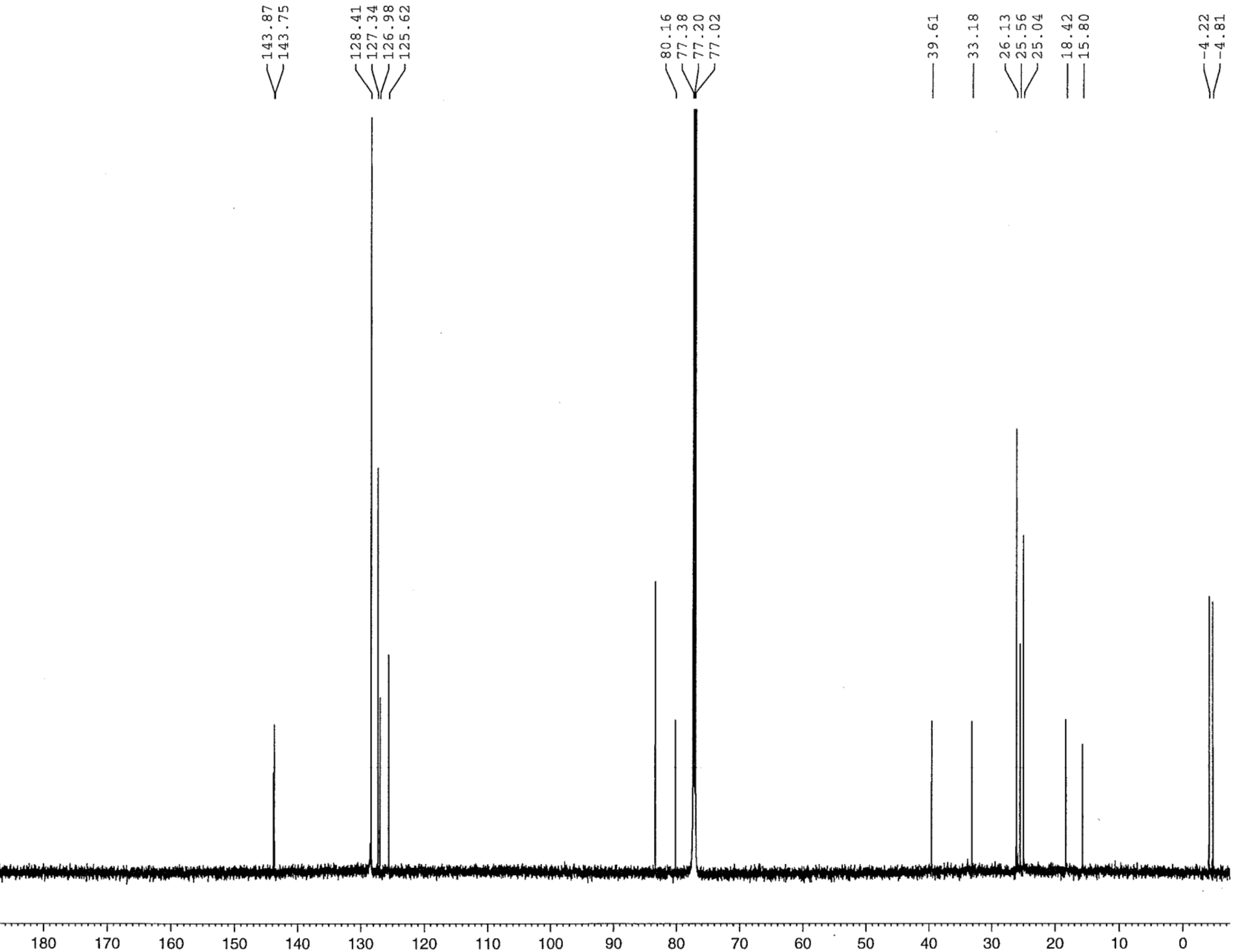
210a $C_{29}H_{45}BO_3Si$
(480.57)



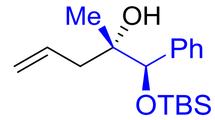


210a $C_{29}H_{45}BO_3Si$
(480.57)

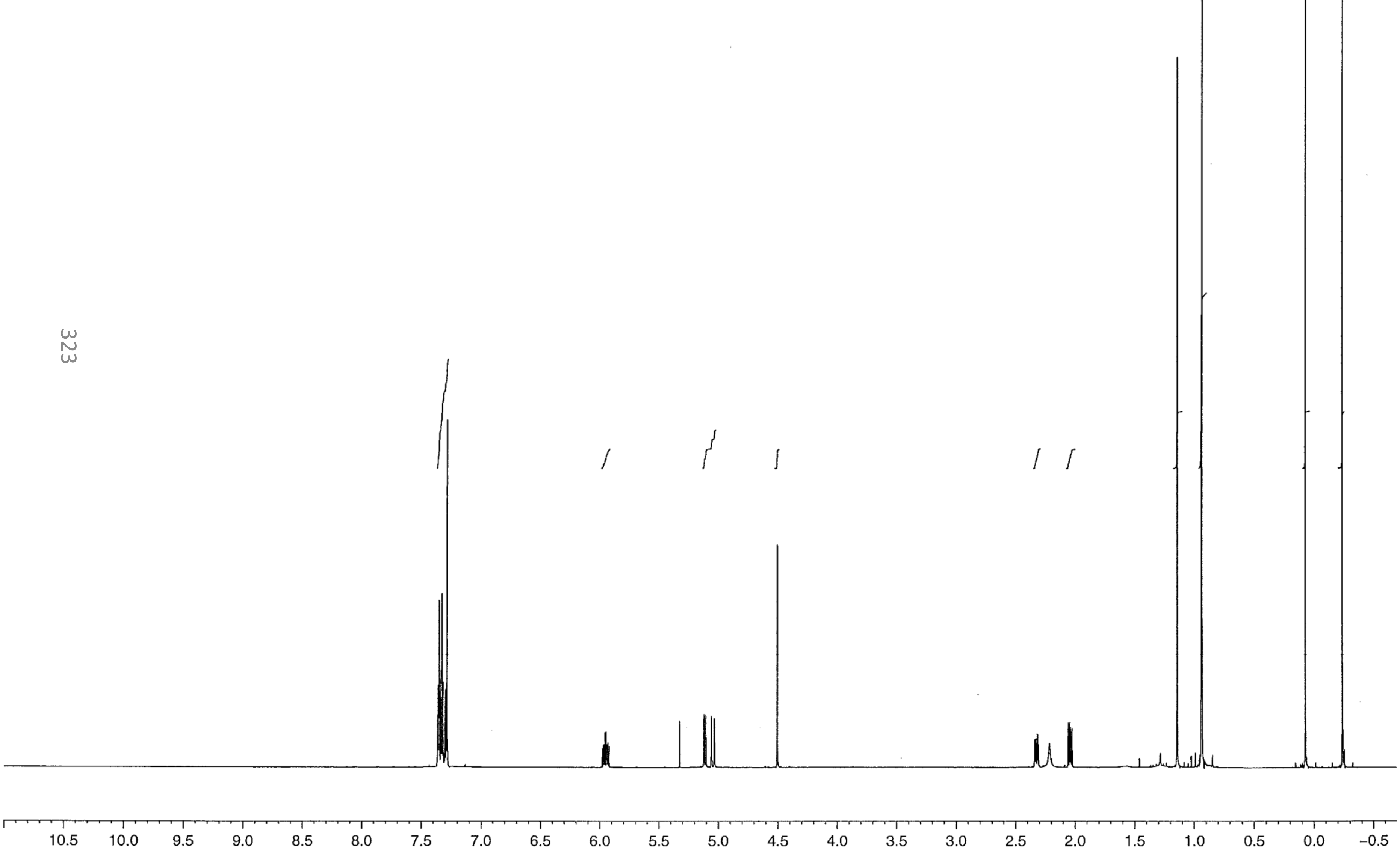
13C NMR: 175 MHz, CDCl3

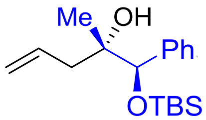


1H NMR: 700 MHz, CDCl3



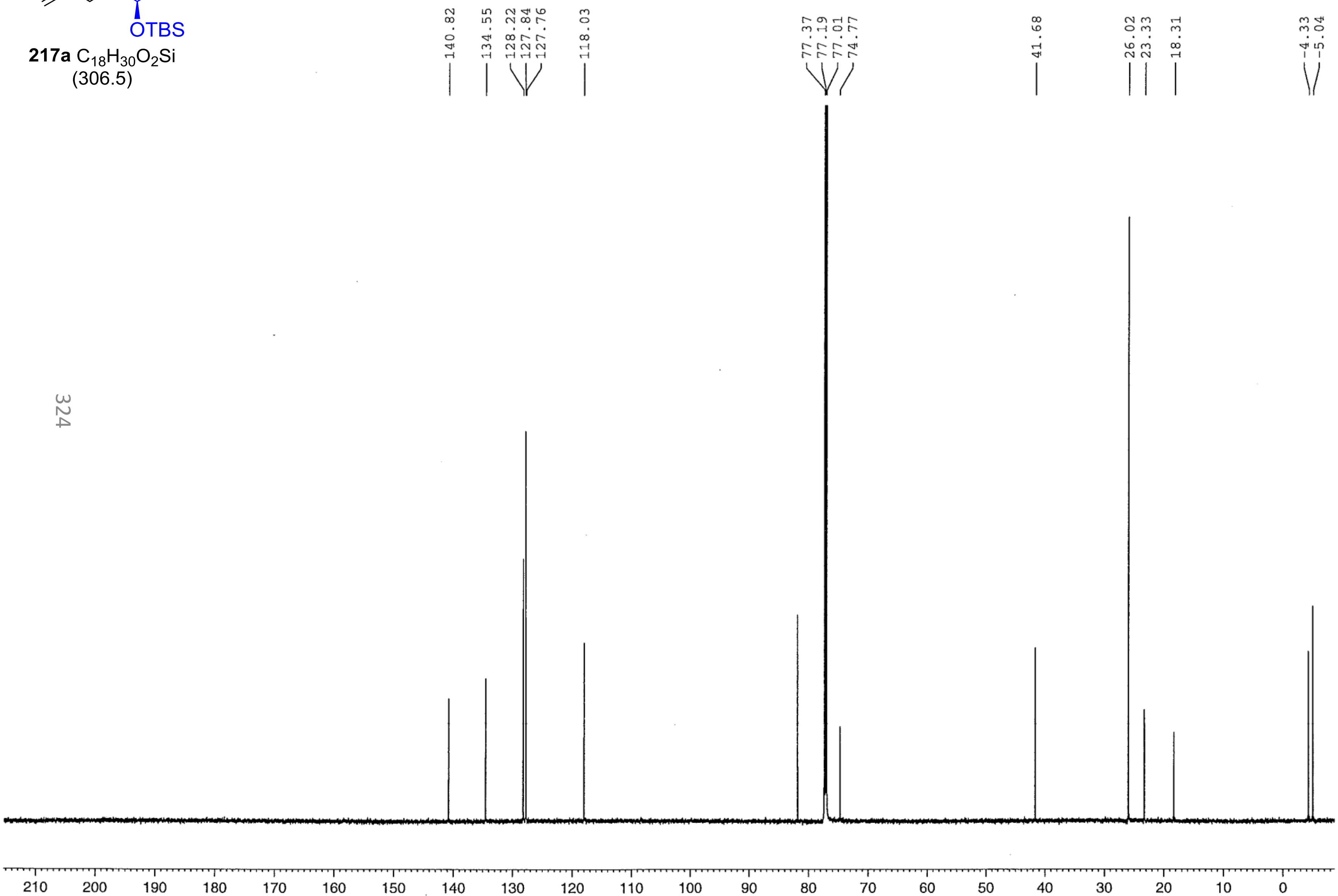
217a $C_{18}H_{30}O_2Si$
(306.5)

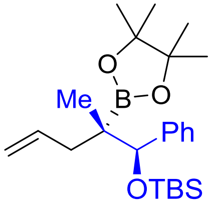




217a $C_{18}H_{30}O_2Si$
(306.5)

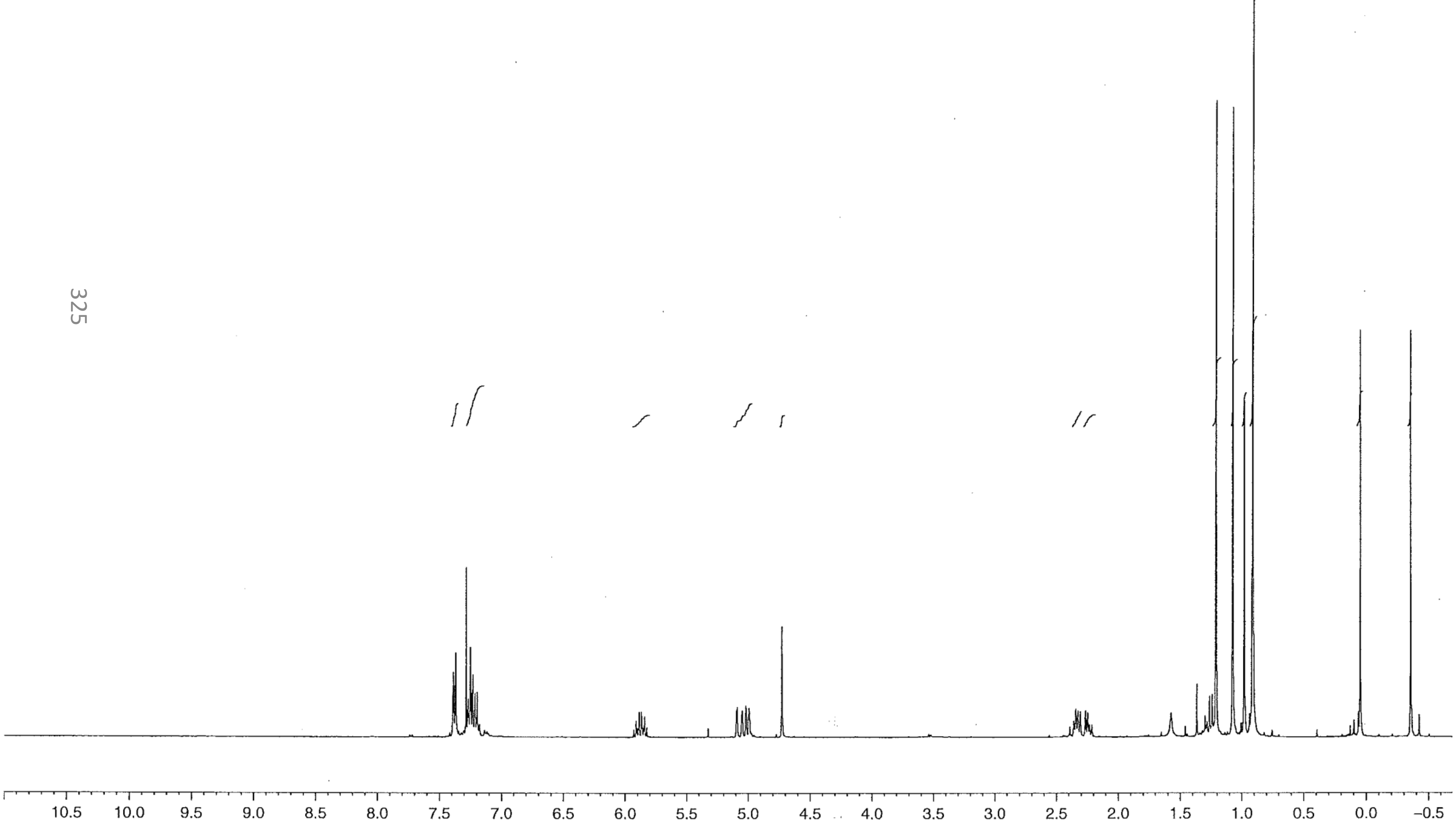
13C NMR: 175 MHz, CDCl3

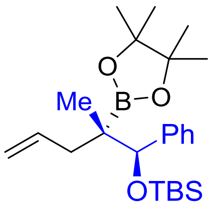




216a $C_{24}H_{41}BO_3Si$
(416.5)

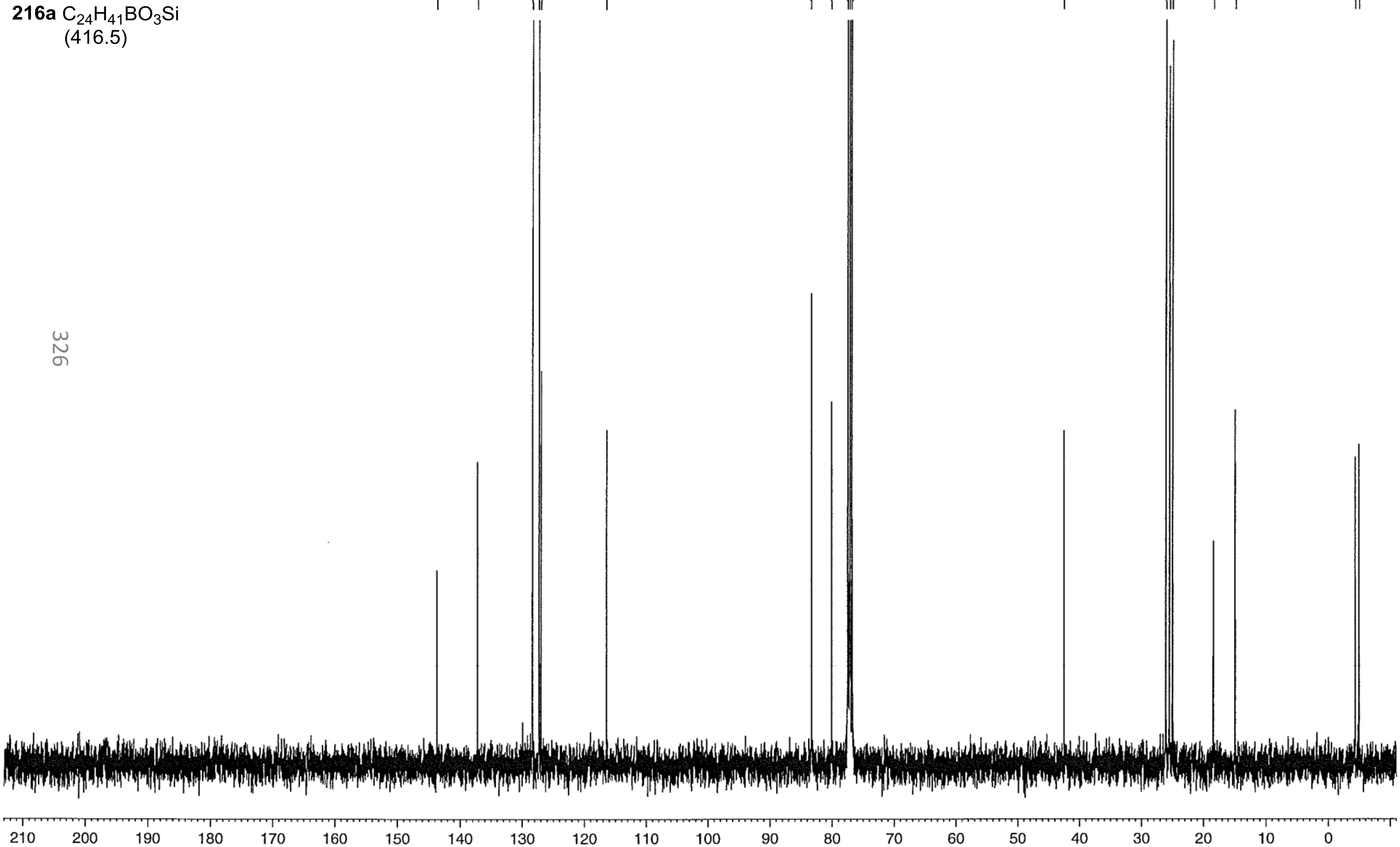
1H NMR: 400 MHz, CDCl3

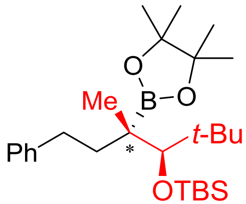




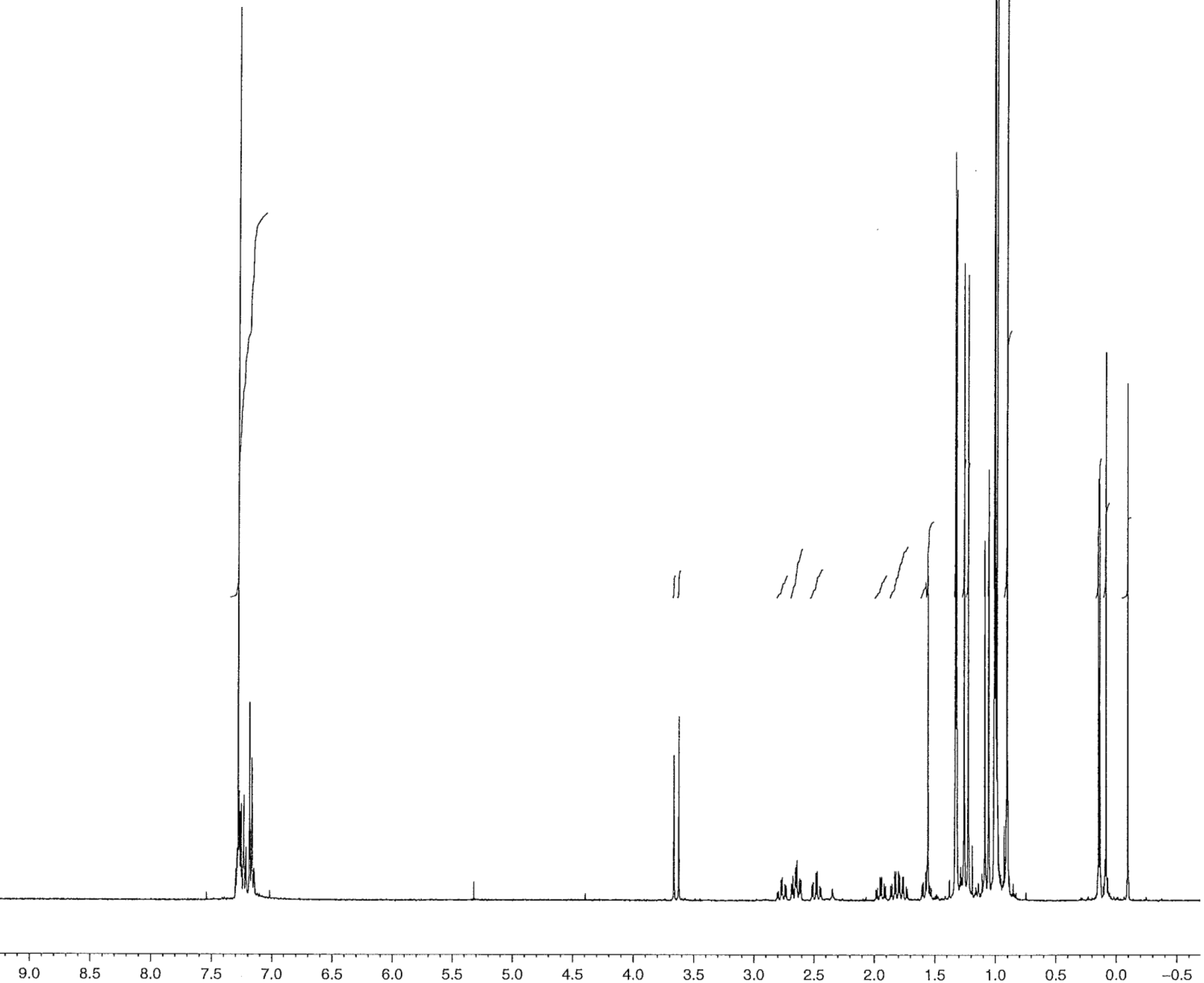
216a $C_{24}H_{41}BO_3Si$
(416.5)

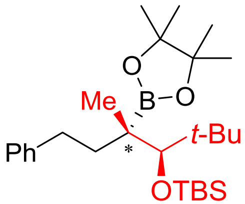
13C NMR: 100 MHz, CDCl3





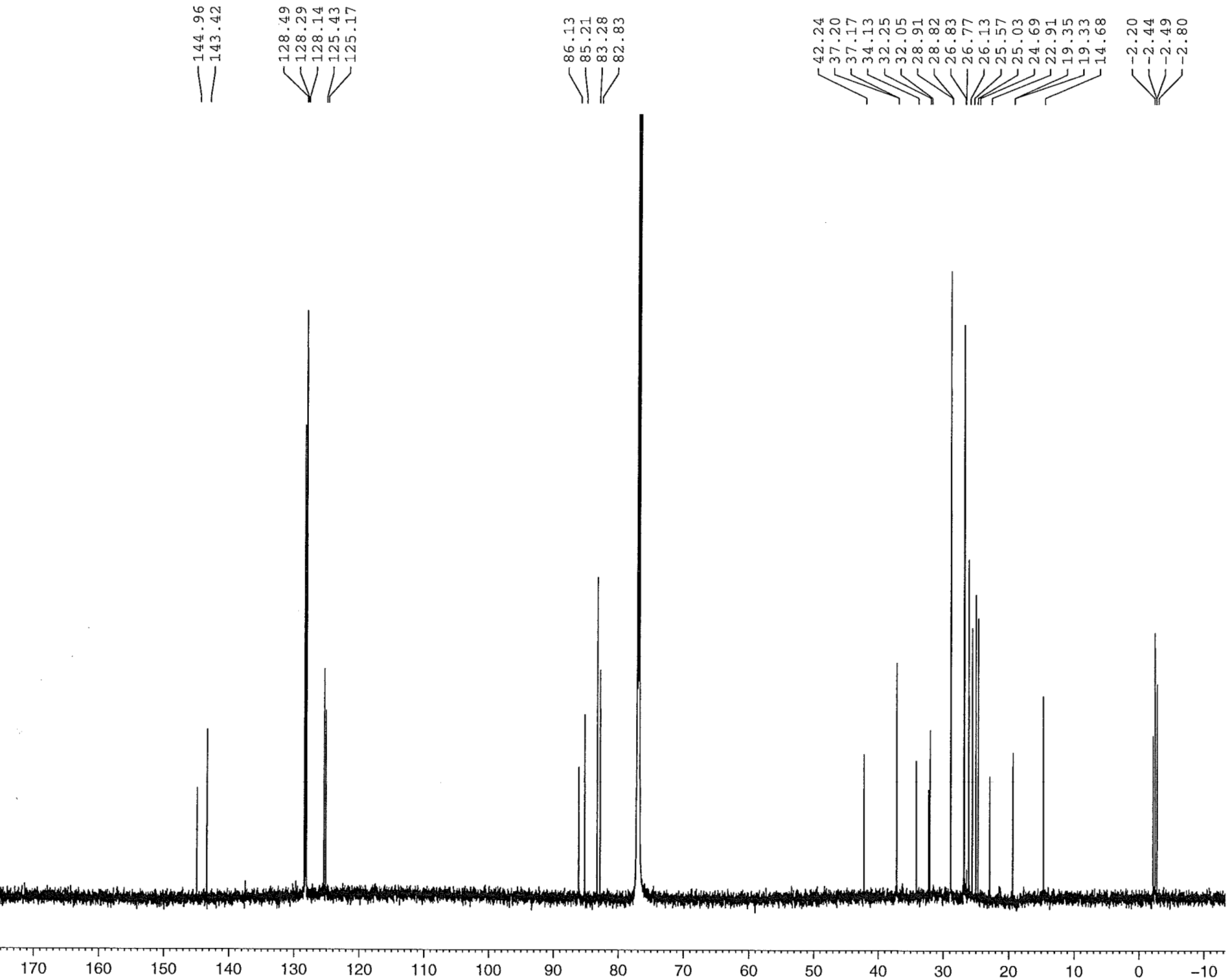
213a $C_{27}H_{49}BO_3Si$
(460.6), dr (*) = 65:35

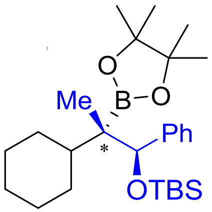




213a $C_{27}H_{49}BO_3Si$
(460.6), dr (*) = 65:35

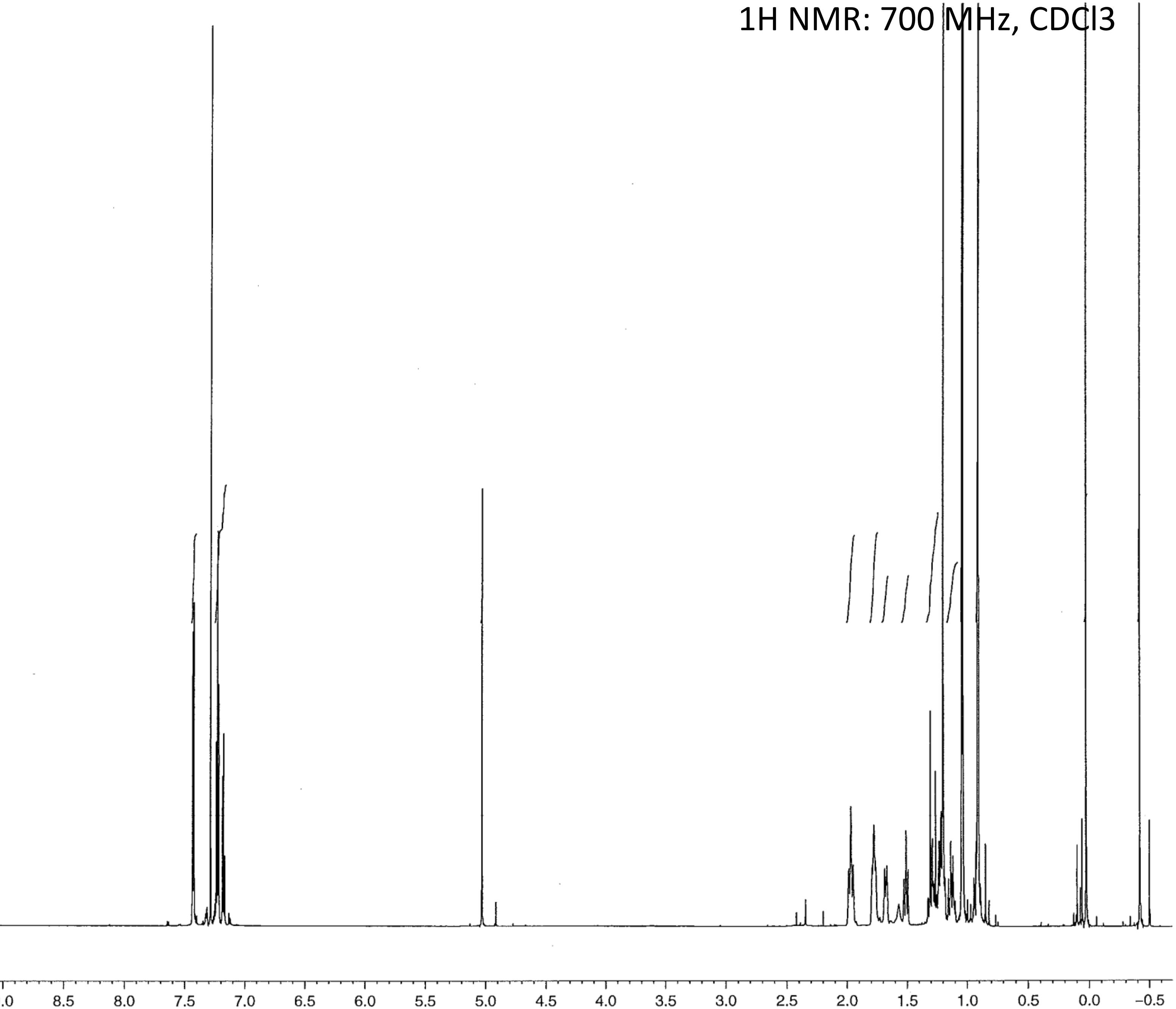
13C NMR: 175 MHz, CDCl3





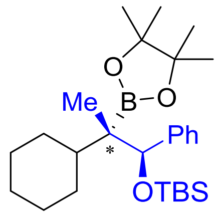
211a: $C_{27}H_{47}BO_3Si$
(458.6), dr (*) = 88:12

1H NMR: 700 MHz, CDCl3

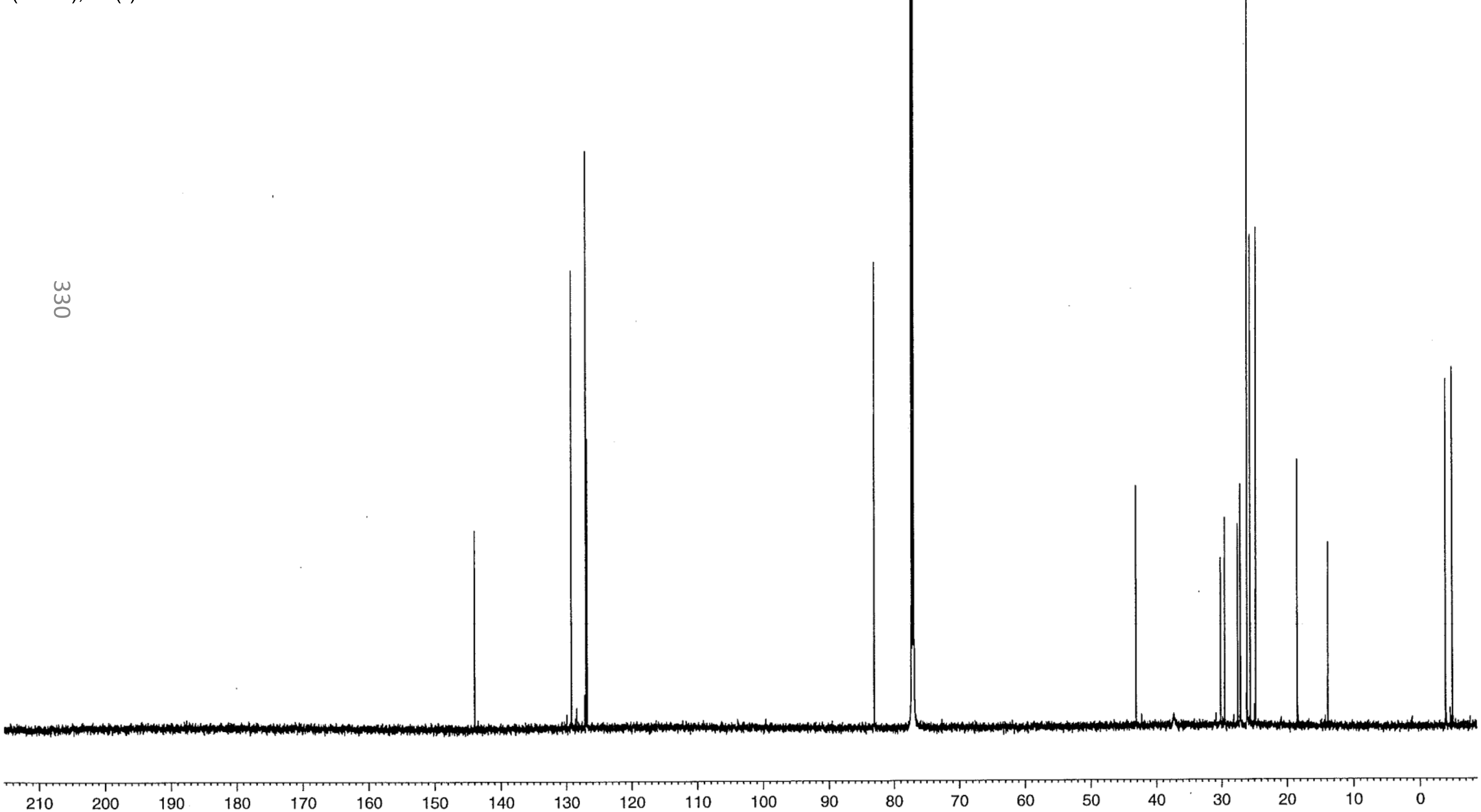


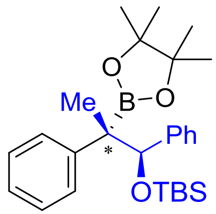
329

13C NMR: 175 MHz, CDCl3



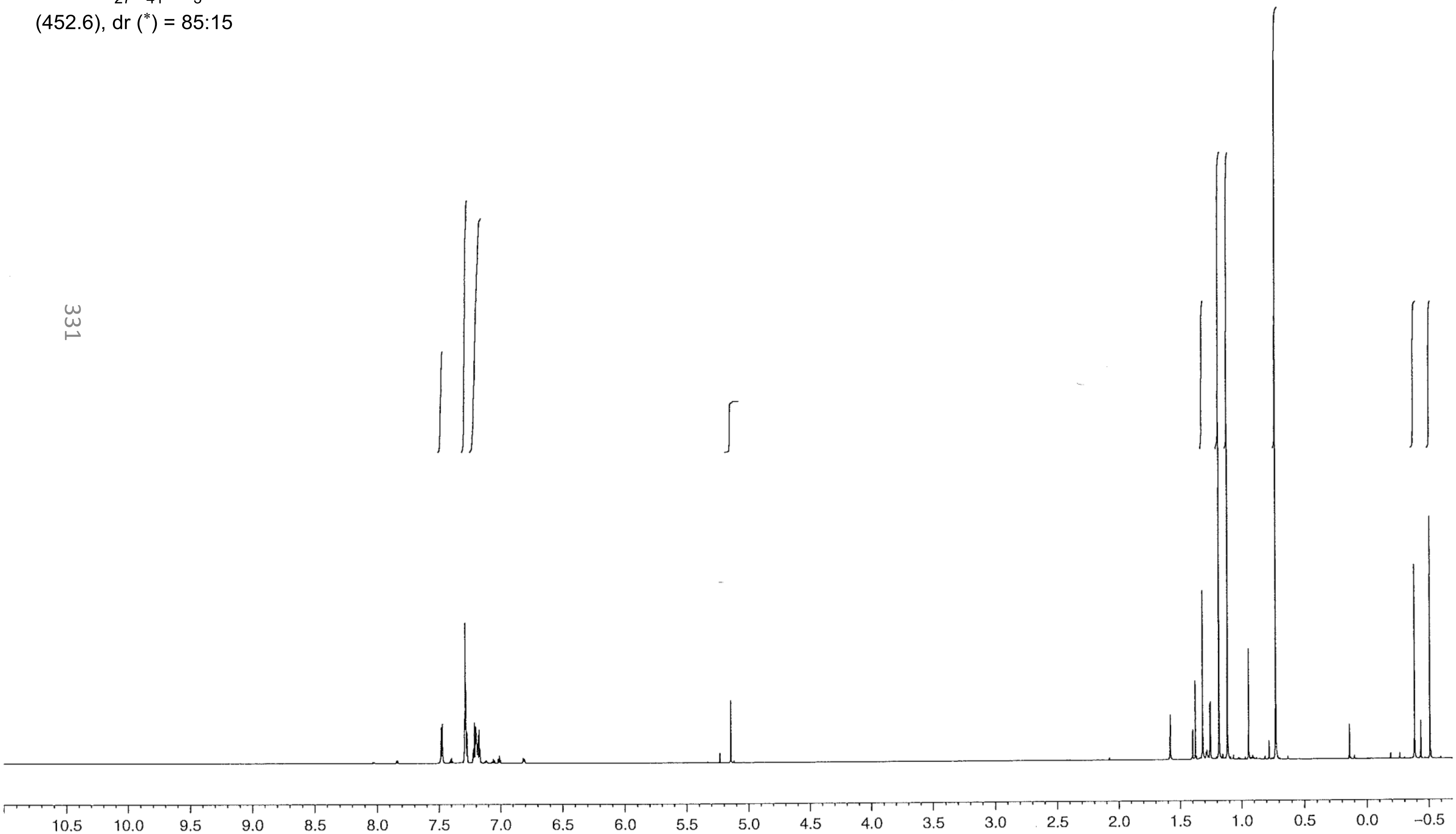
211a: $C_{27}H_{47}BO_3Si$
(458.6), dr (*) = 88:12

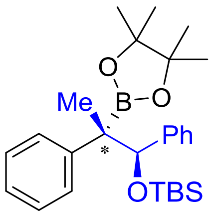




212a $C_{27}H_{41}BO_3Si$
(452.6), dr (*) = 85:15

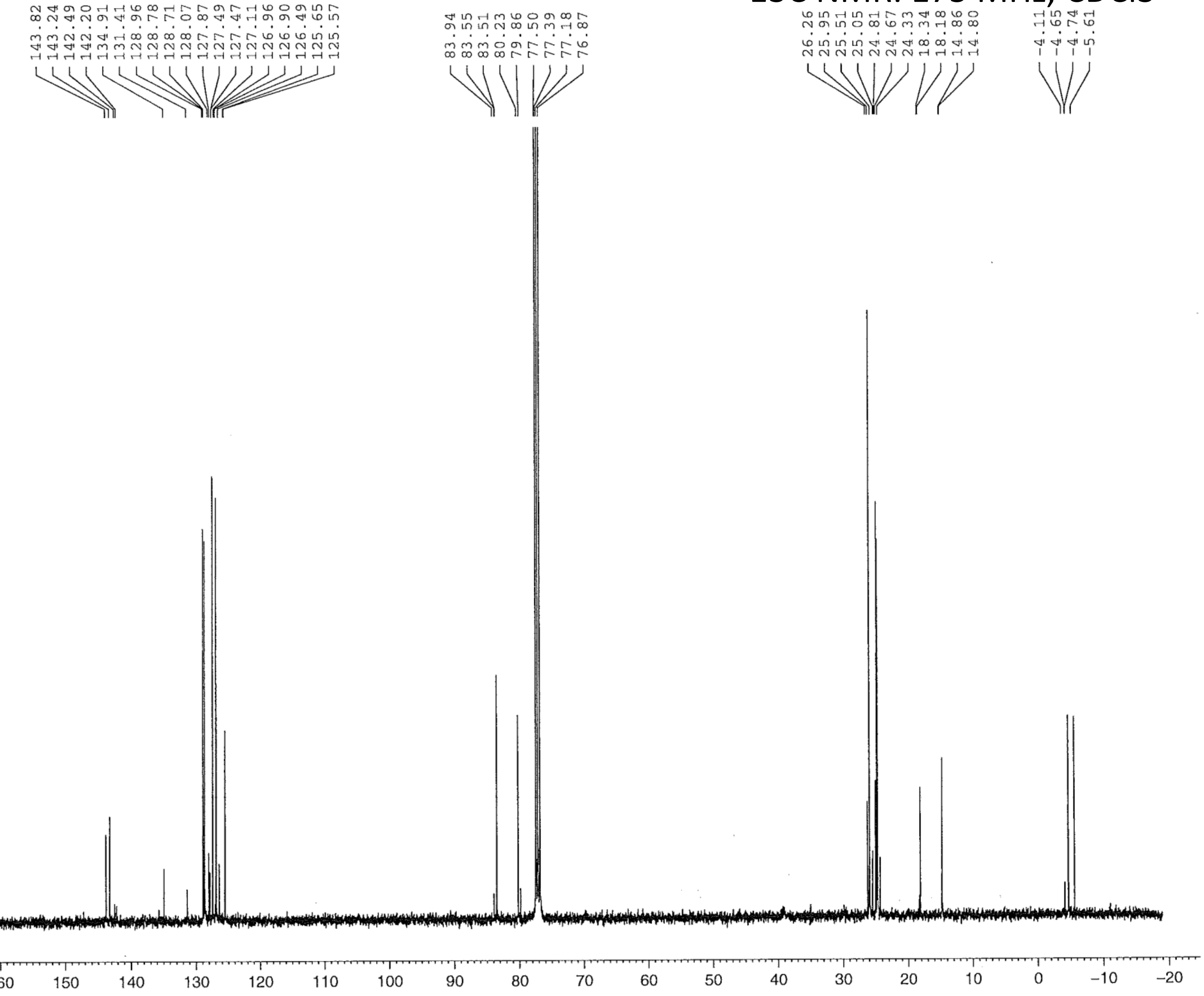
1H NMR: 700 MHz, CDCl3

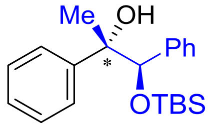




212a $C_{27}H_{41}BO_3Si$
(452.6), dr (*) = 85:15

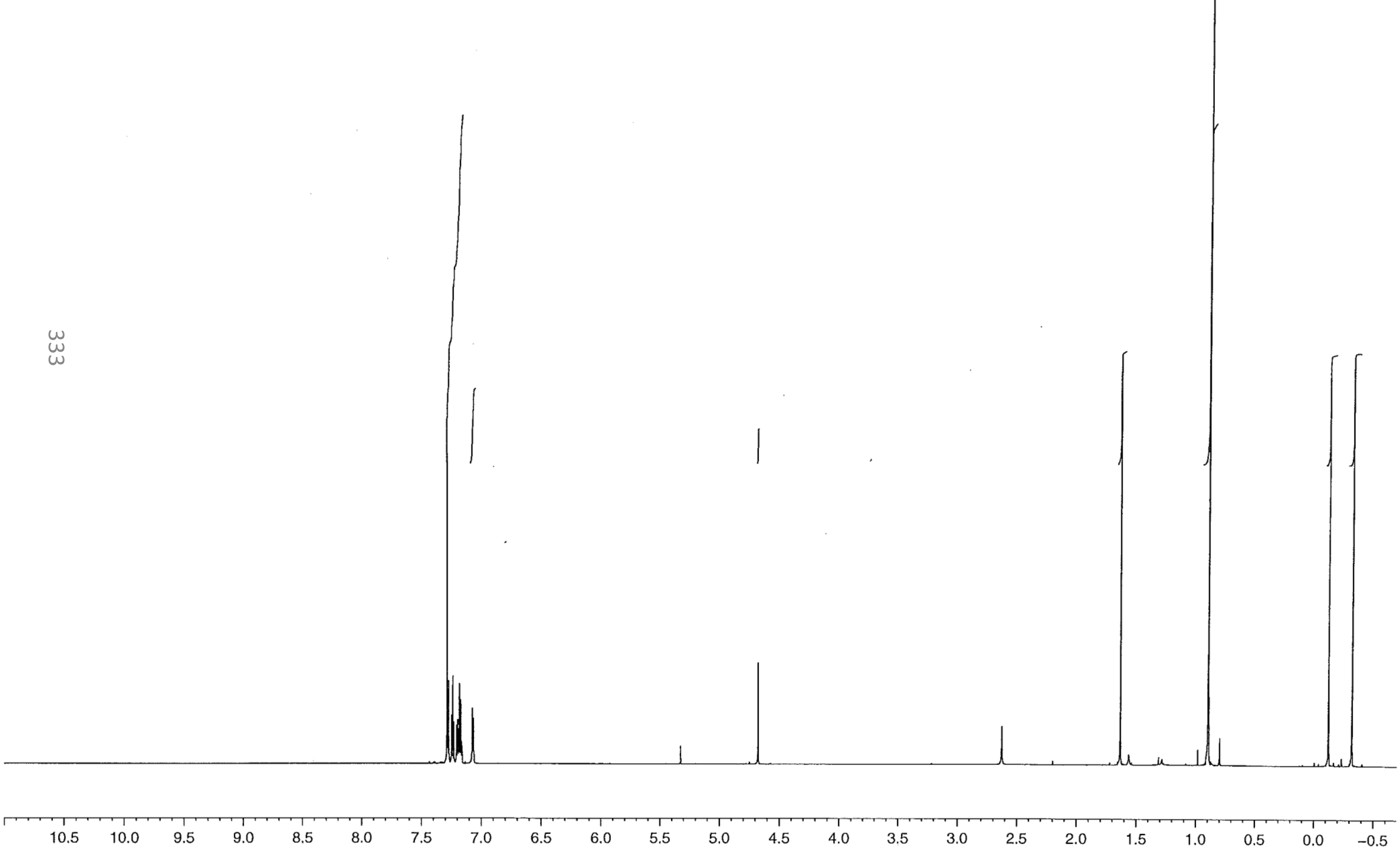
13C NMR: 175 MHz, CDCl3

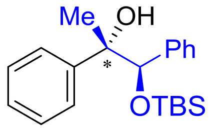




218a $C_{21}H_{30}O_2Si$
(342.55), dr (*) = 85:15

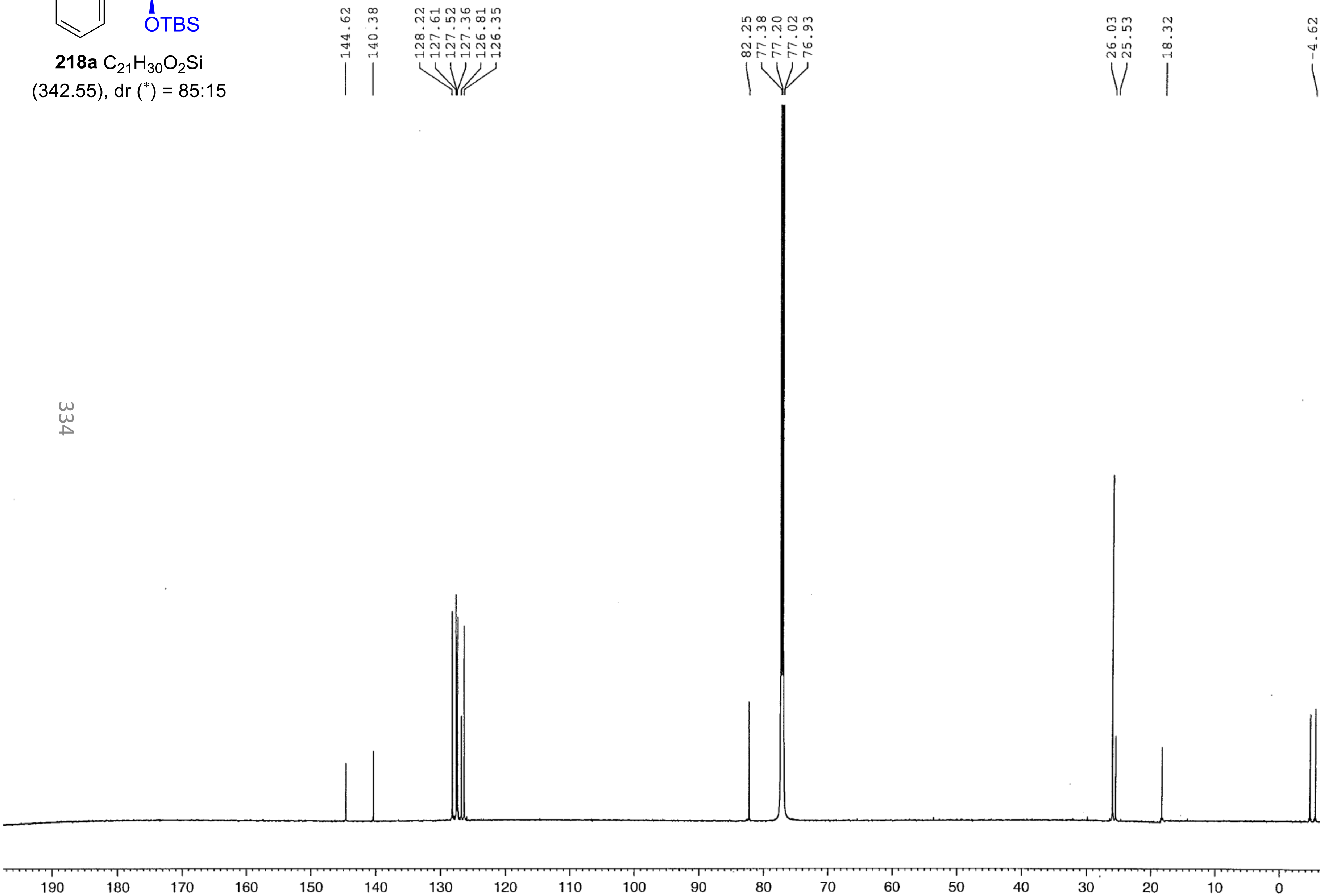
1H NMR: 700 MHz, CDCl3

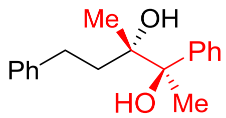




218a $C_{21}H_{30}O_2Si$
(342.55), dr (*) = 85:15

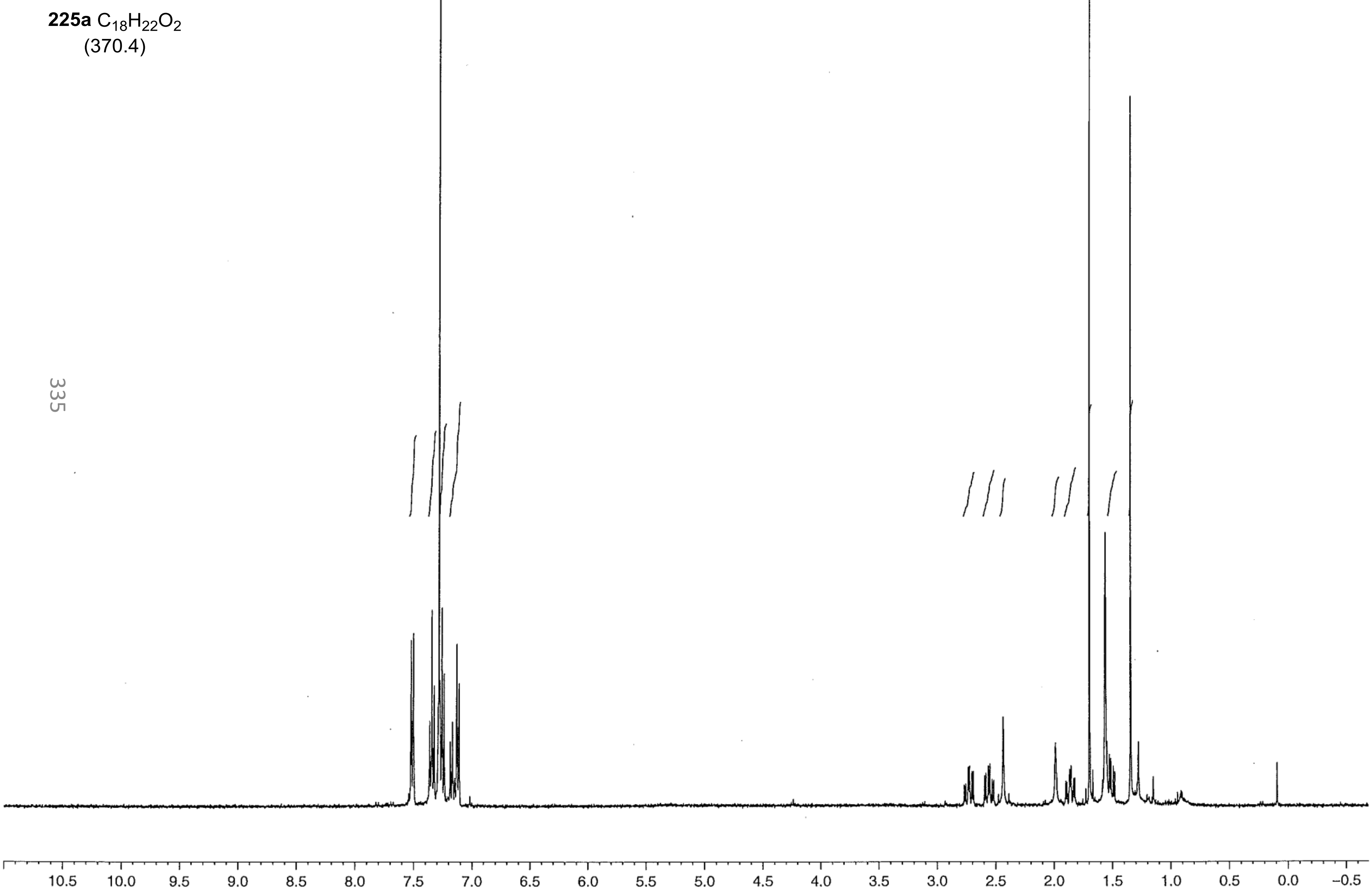
13C NMR: 175 MHz, CDCl3

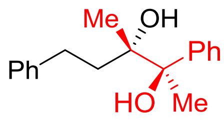




225a $C_{18}H_{22}O_2$
(370.4)

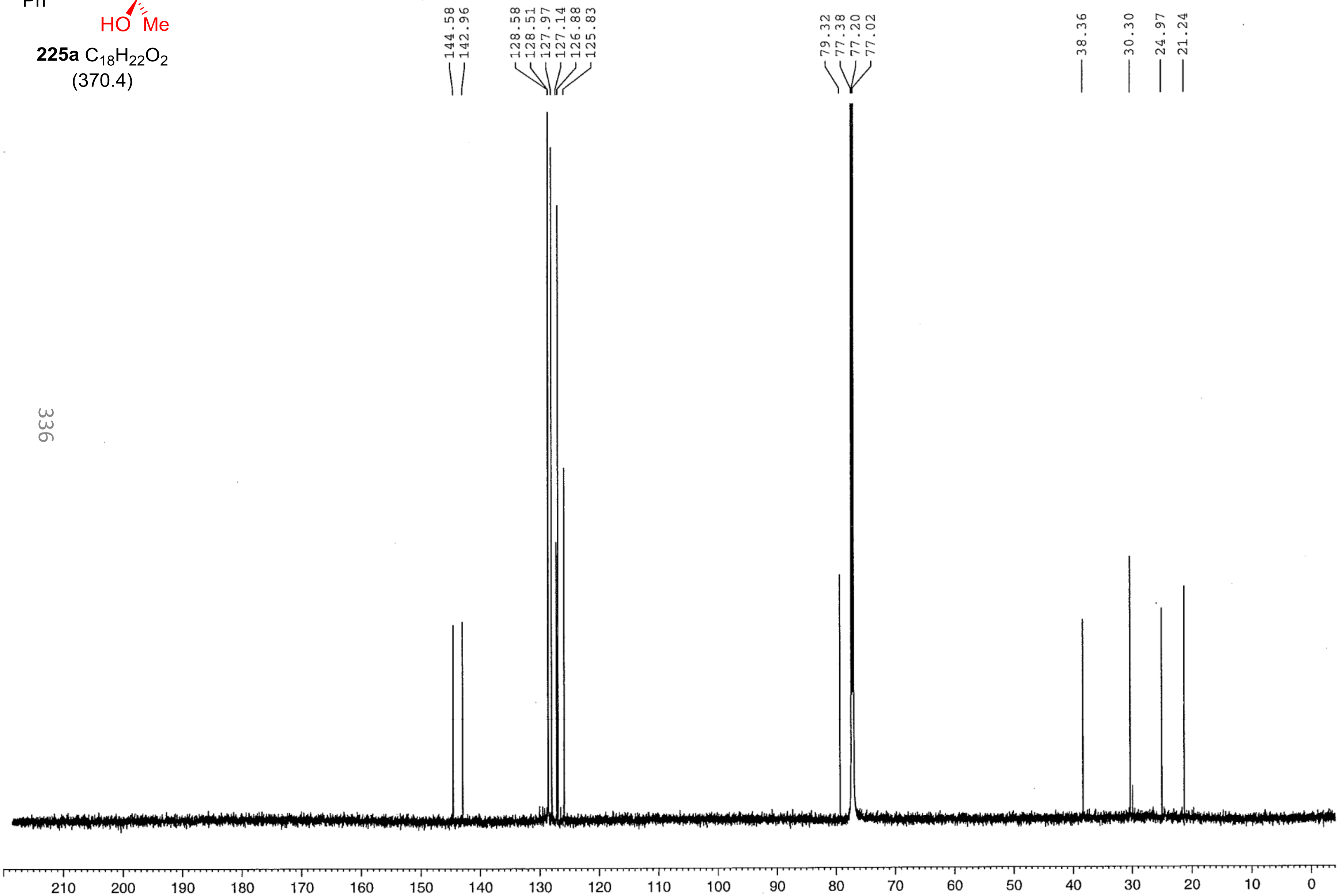
1H NMR: 400 MHz, CDCl3



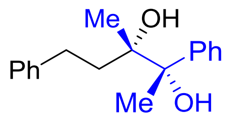


225a $C_{18}H_{22}O_2$
(370.4)

13C NMR: 175 MHz, CDCl3

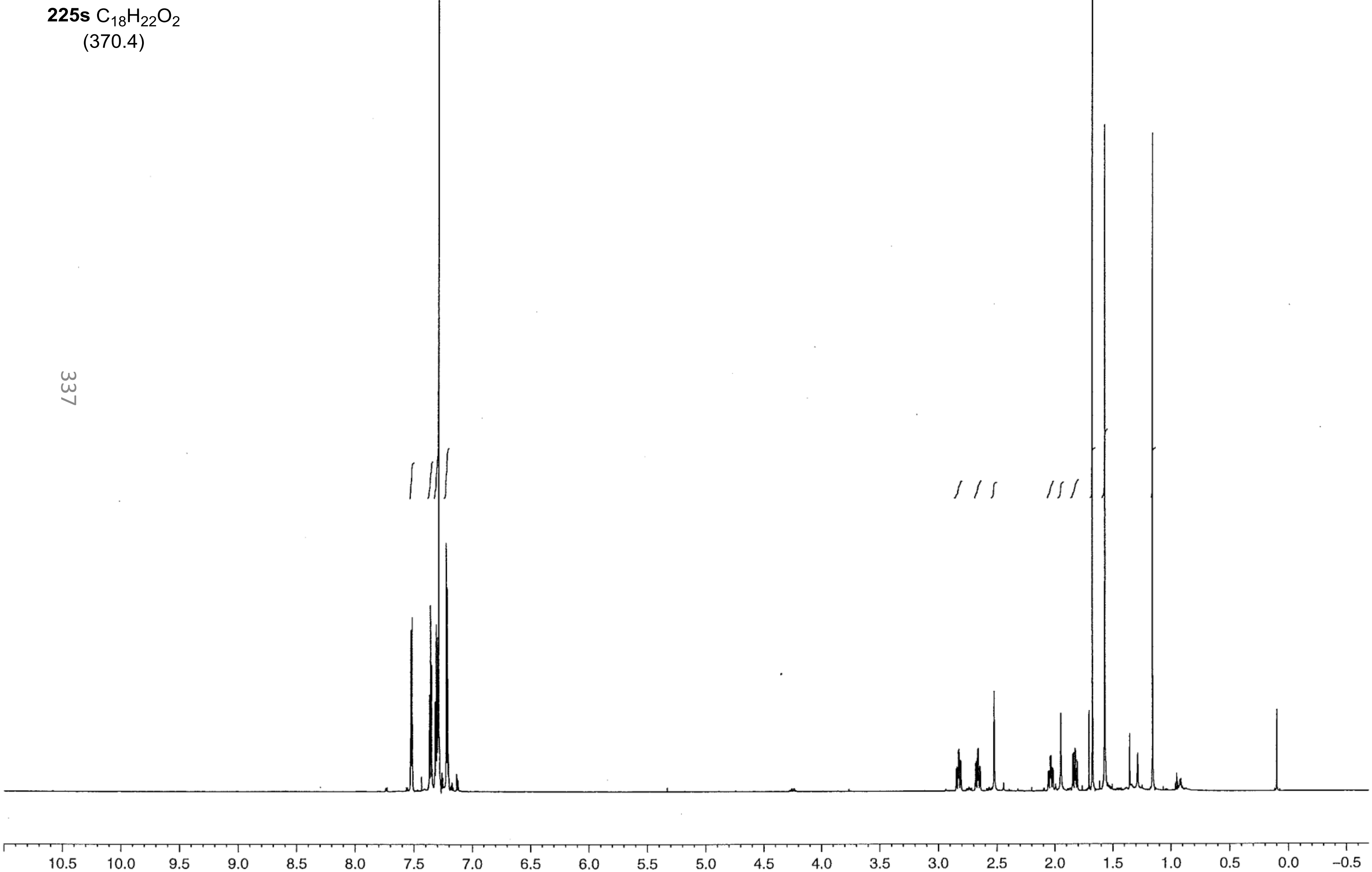


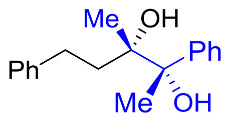
336



225s $C_{18}H_{22}O_2$
(370.4)

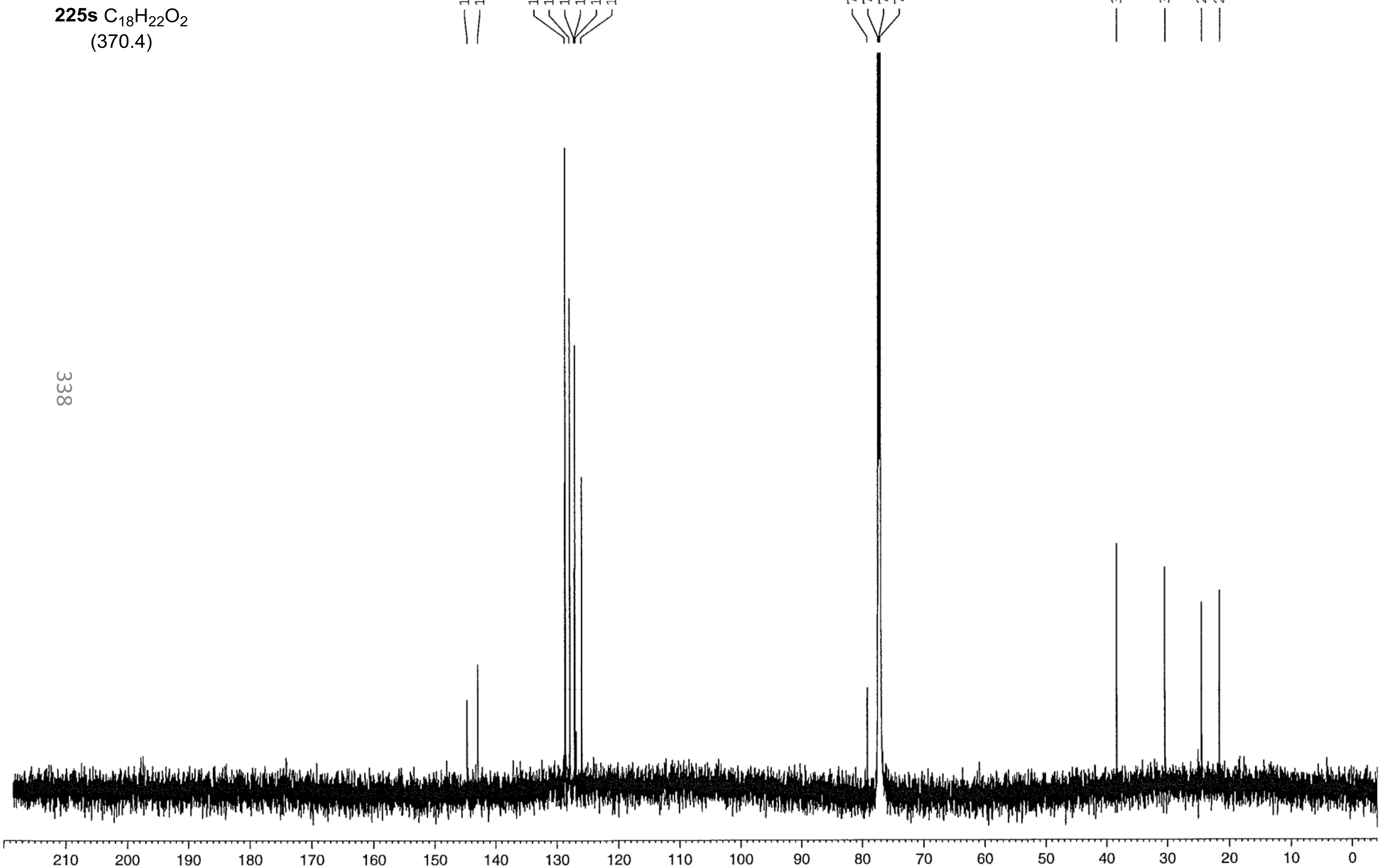
1H NMR: 700 MHz, CDCl3

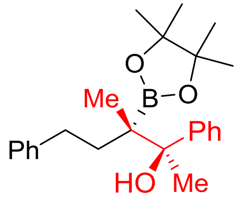




225s $C_{18}H_{22}O_2$
(370.4)

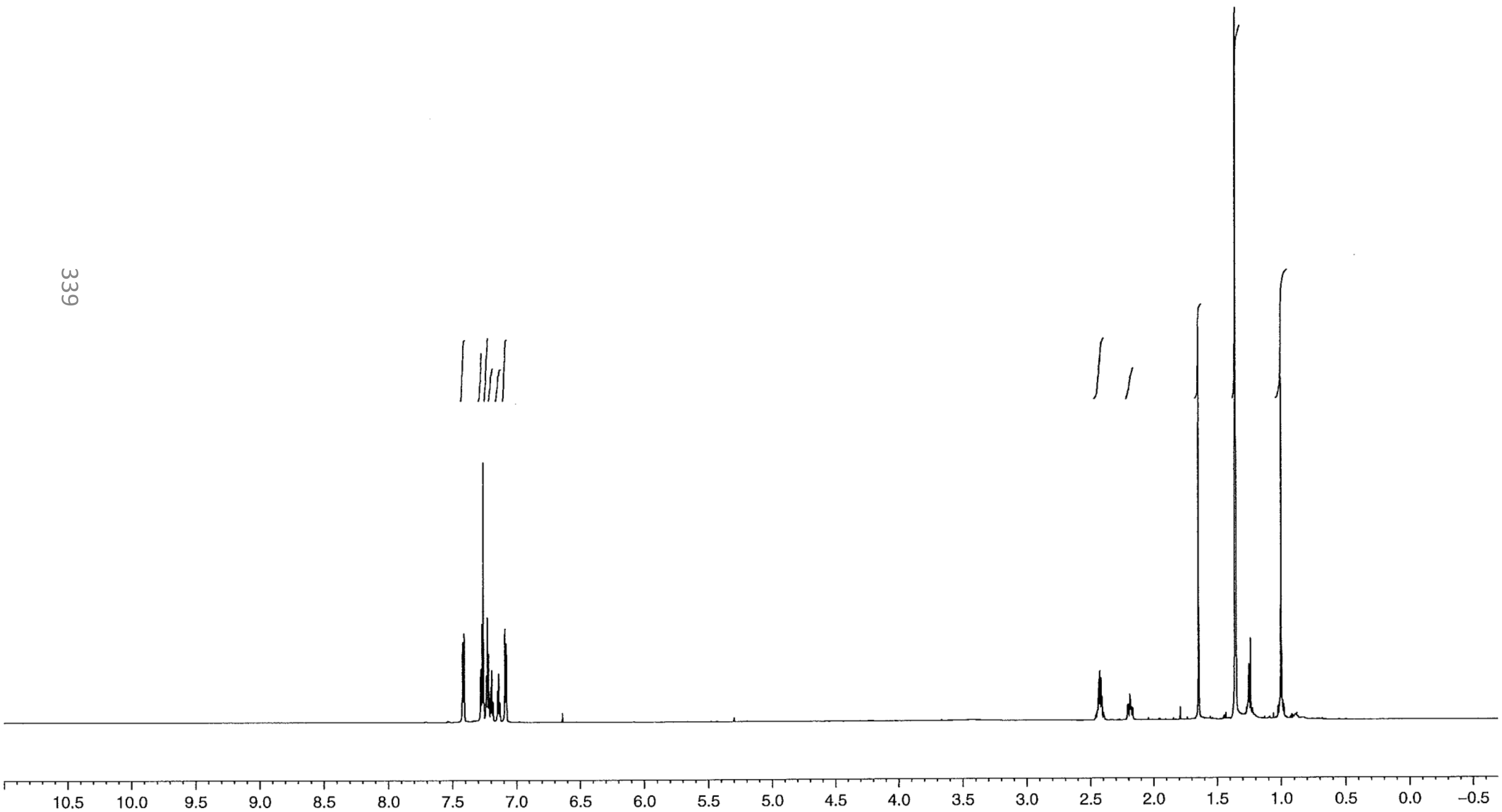
13C NMR: 175 MHz, CDCl3



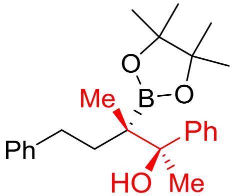


228 $C_{24}H_{33}BO_3$
(380.3)

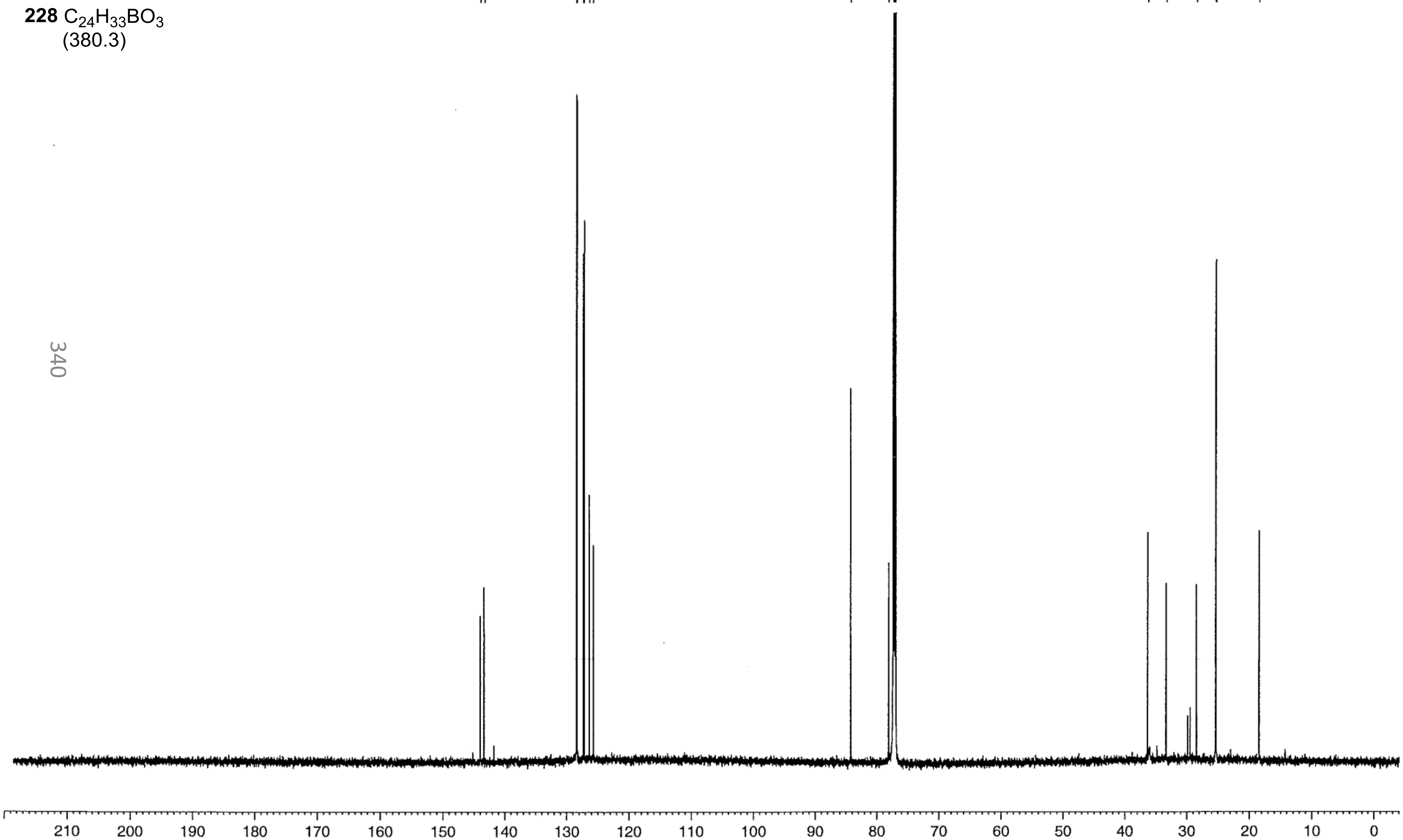
1H NMR: 700 MHz, CDCl3

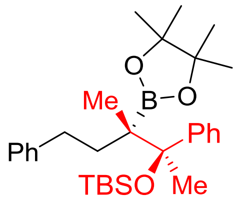


13C NMR: 175 MHz, CDCl3

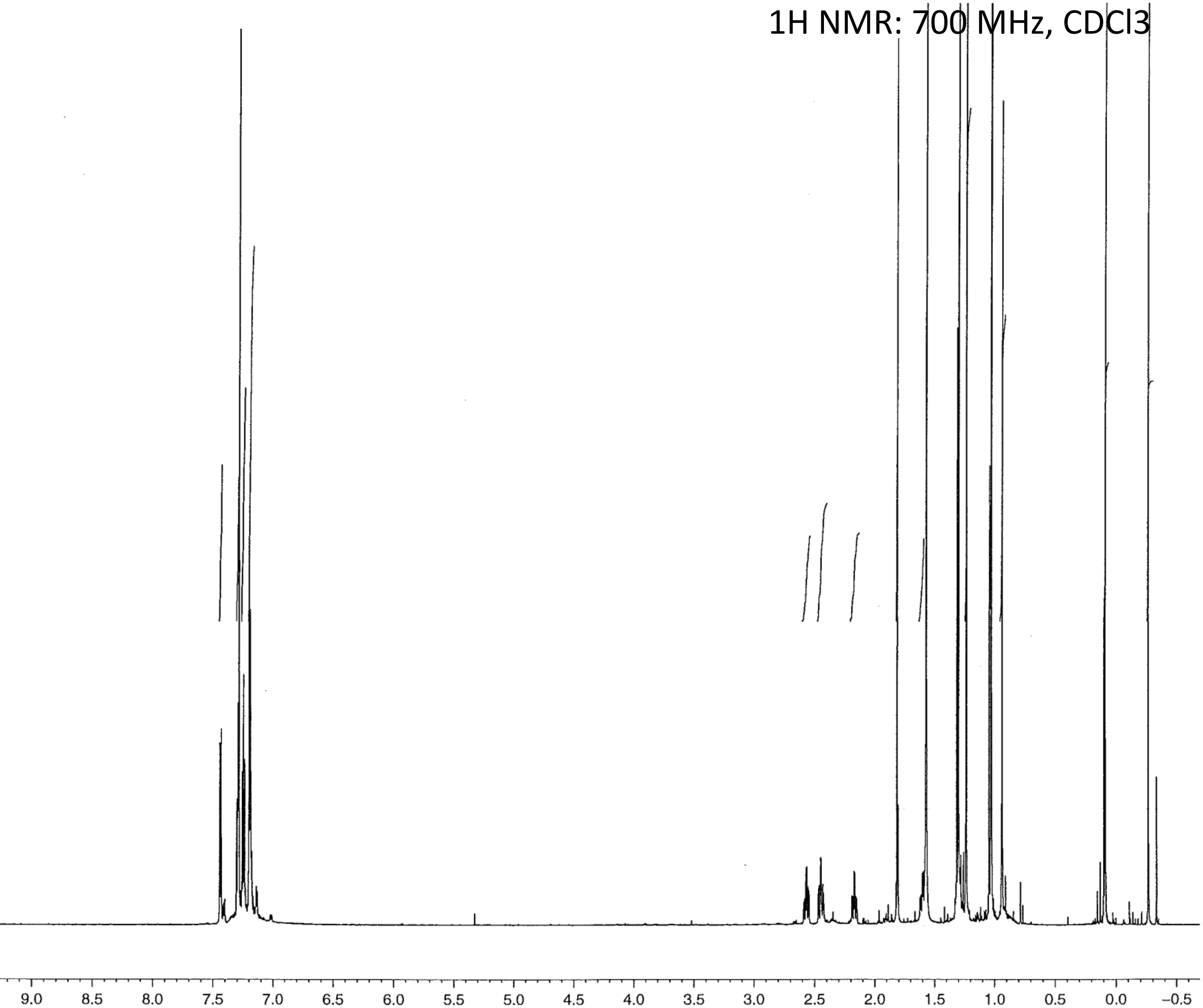


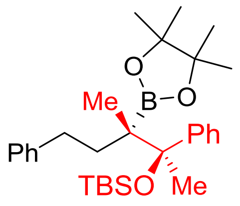
228 $C_{24}H_{33}BO_3$
(380.3)





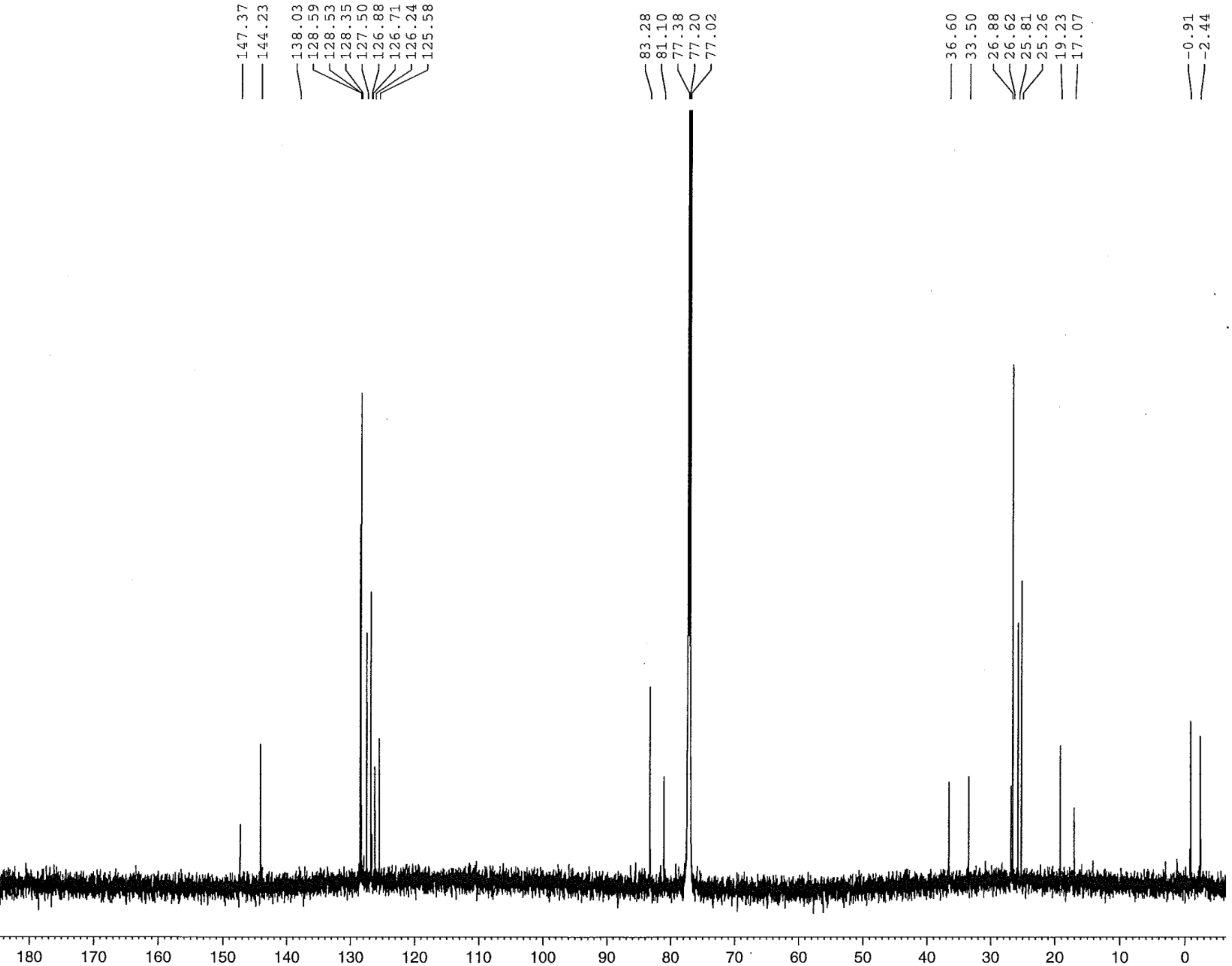
229a $C_{30}H_{47}BO_3Si$
(494.6)

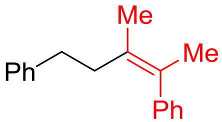




229a $C_{30}H_{47}BO_3Si$
(494.6)

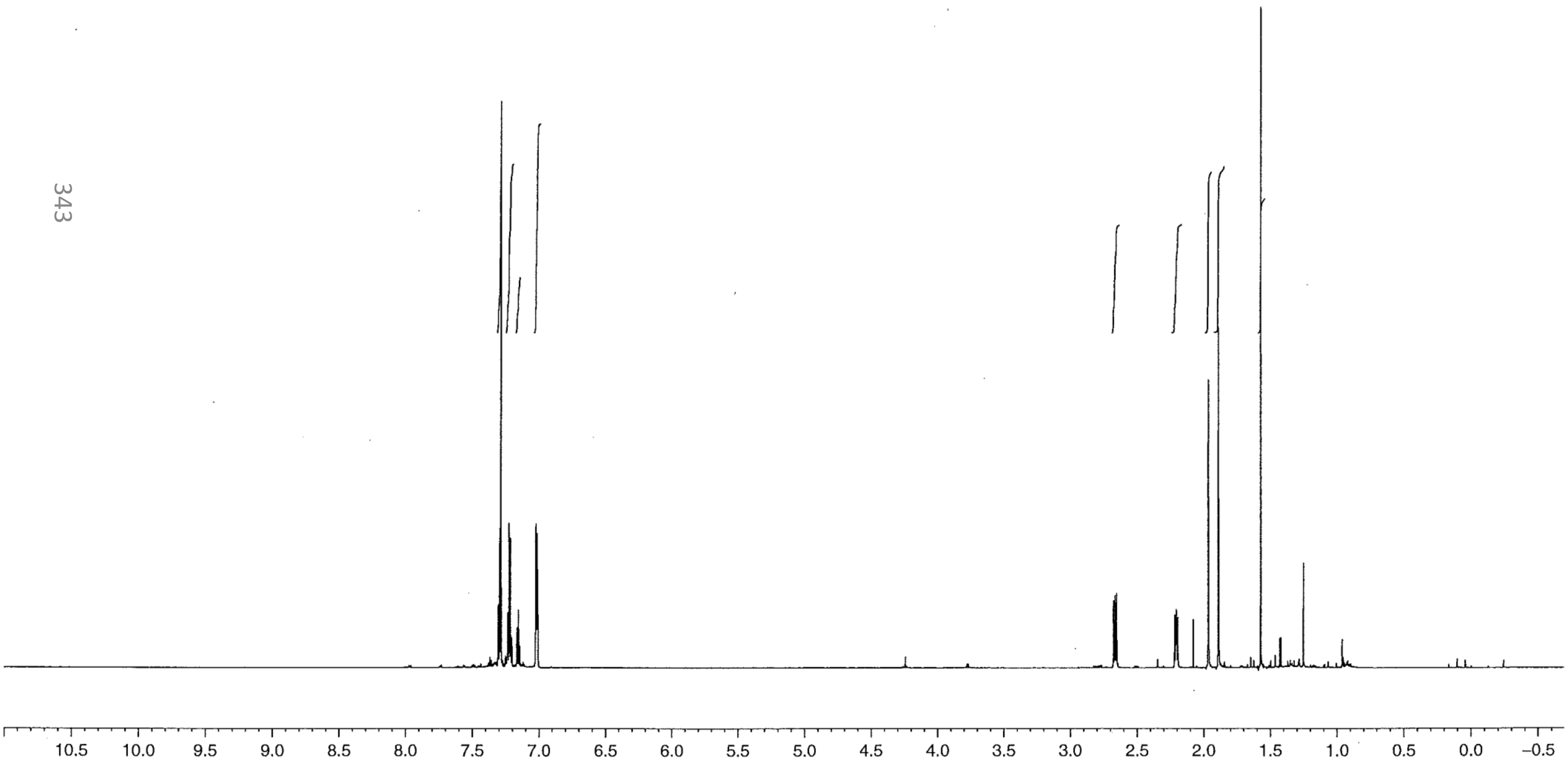
13C NMR: 175 MHz, CDCl3

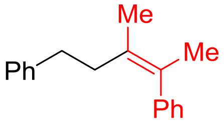




(Z)-**230** $C_{18}H_{20}$
(236.4)

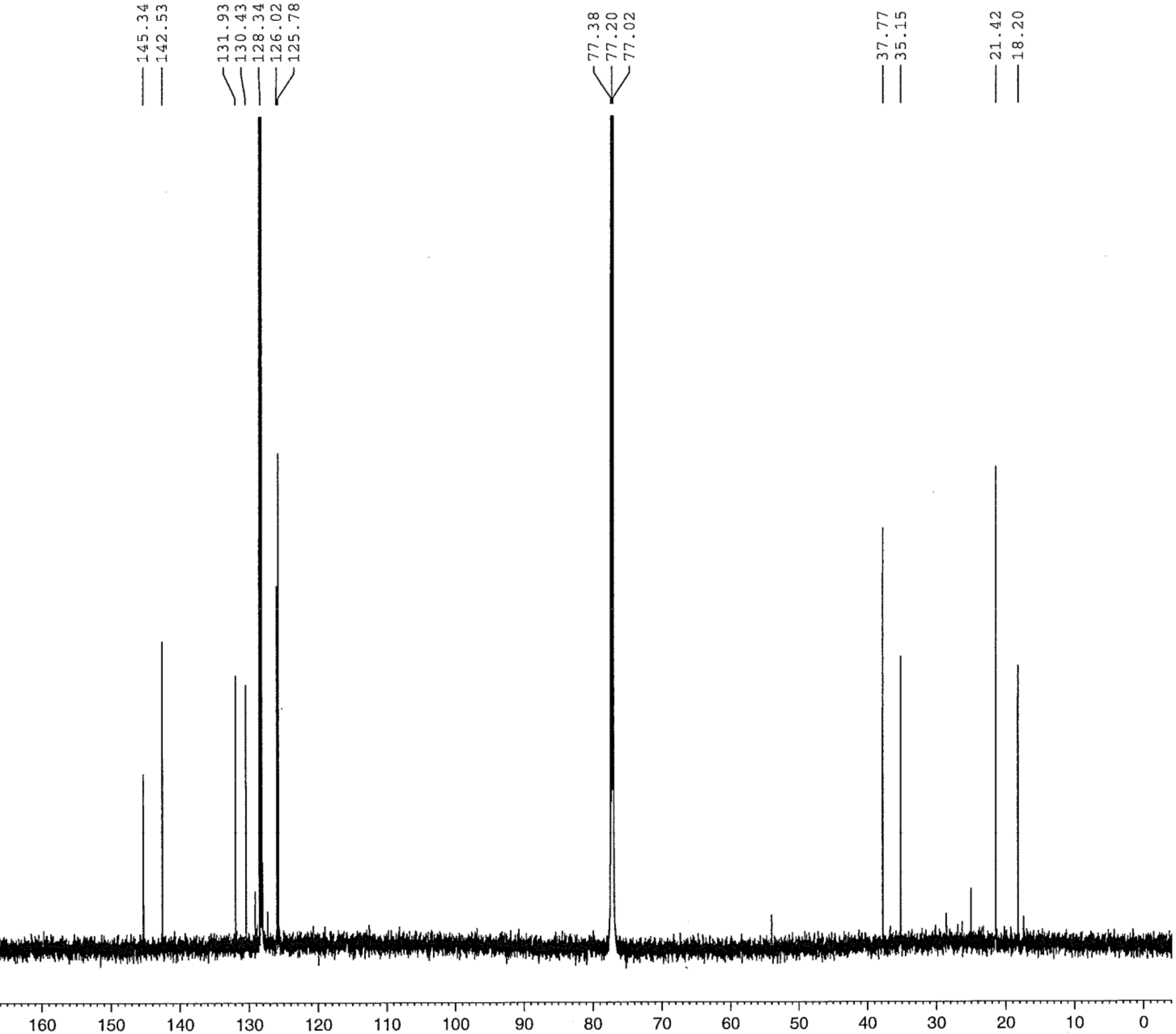
1H NMR: 700 MHz, CDCl3

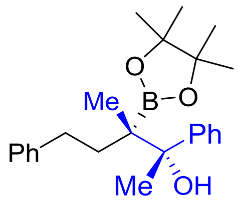




(Z)-**230** $C_{18}H_{20}$
(236.4)

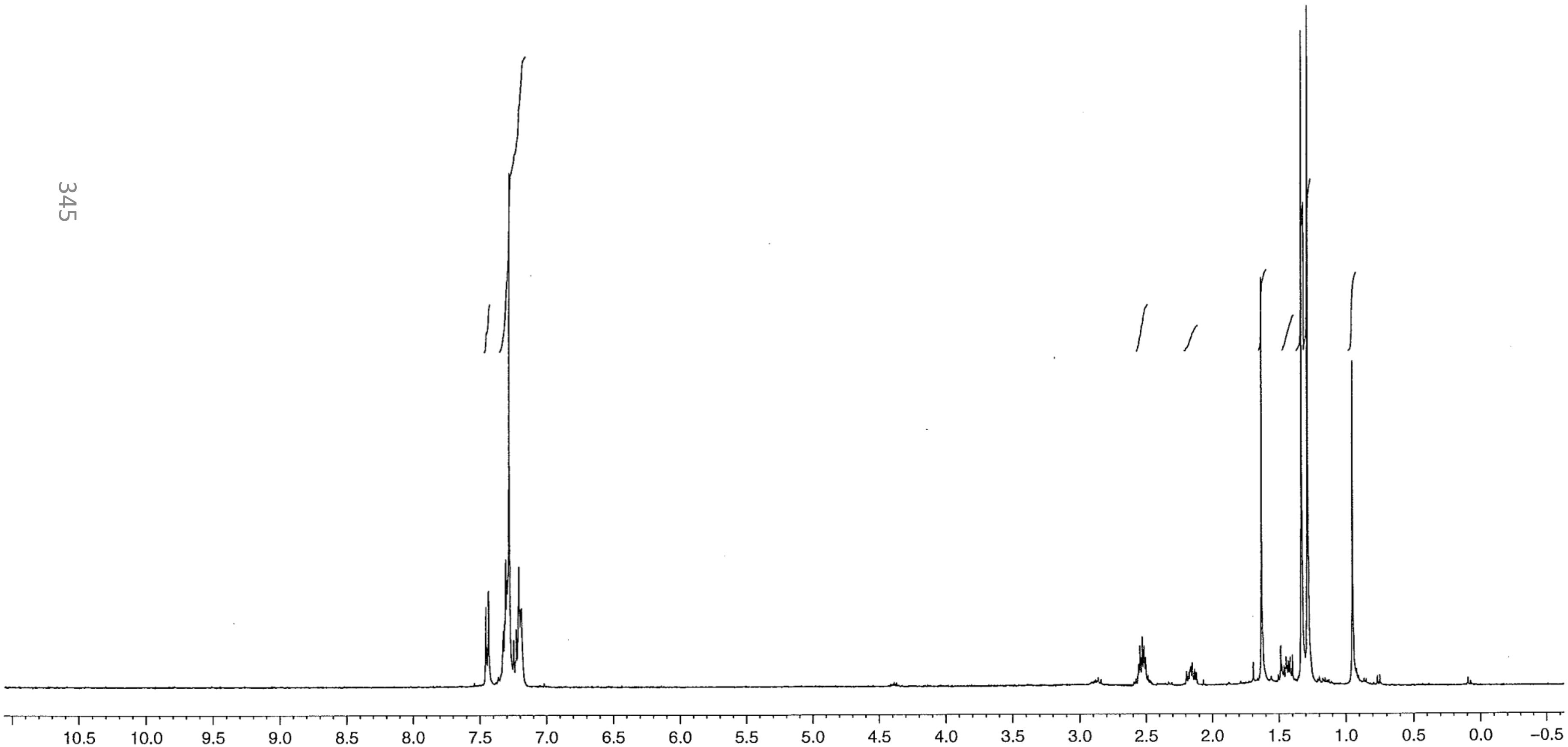
13C NMR: 175 MHz, CDCl3

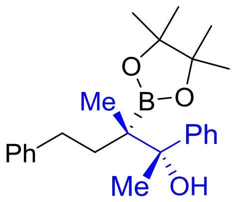




228s $C_{24}H_{33}BO_3$
(380.3)

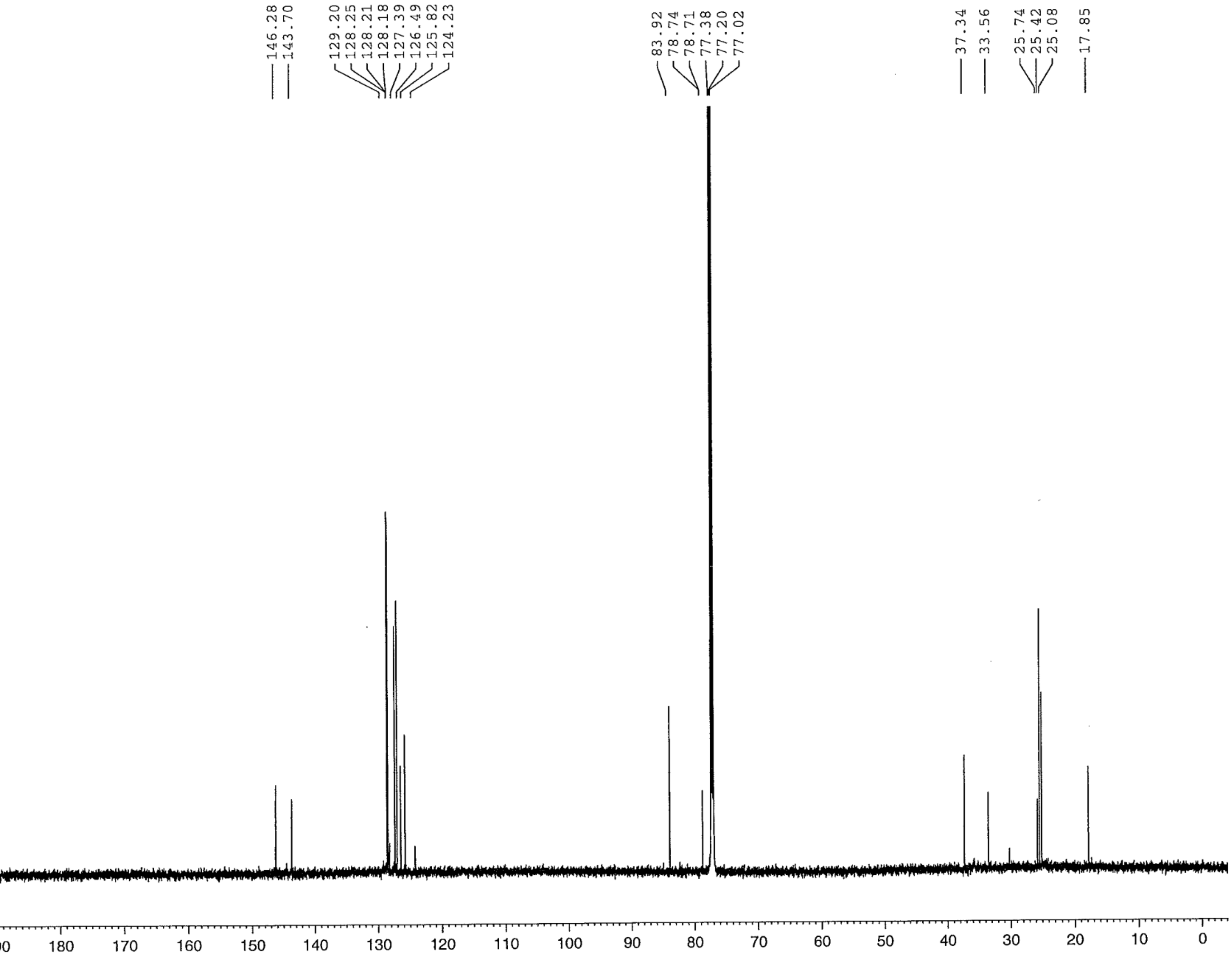
1H NMR: 400 MHz, CDCl3

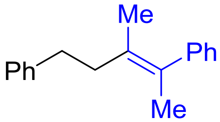




228s $C_{24}H_{33}BO_3$
(380.3)

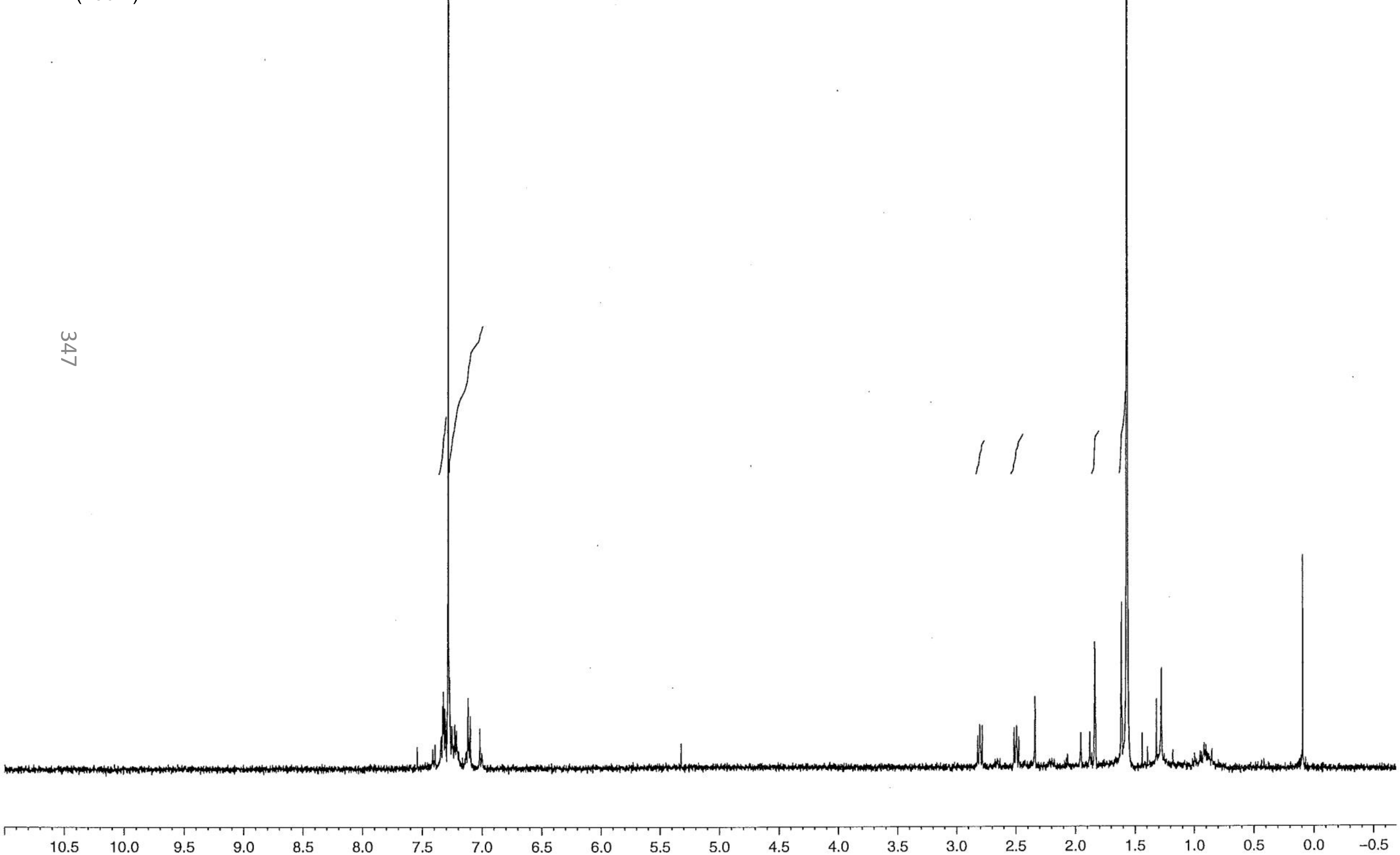
13C NMR: 175 MHz, CDCl3



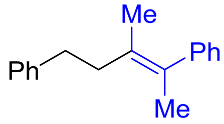


(*E*)-**230**: $C_{18}H_{20}$
(236.4)

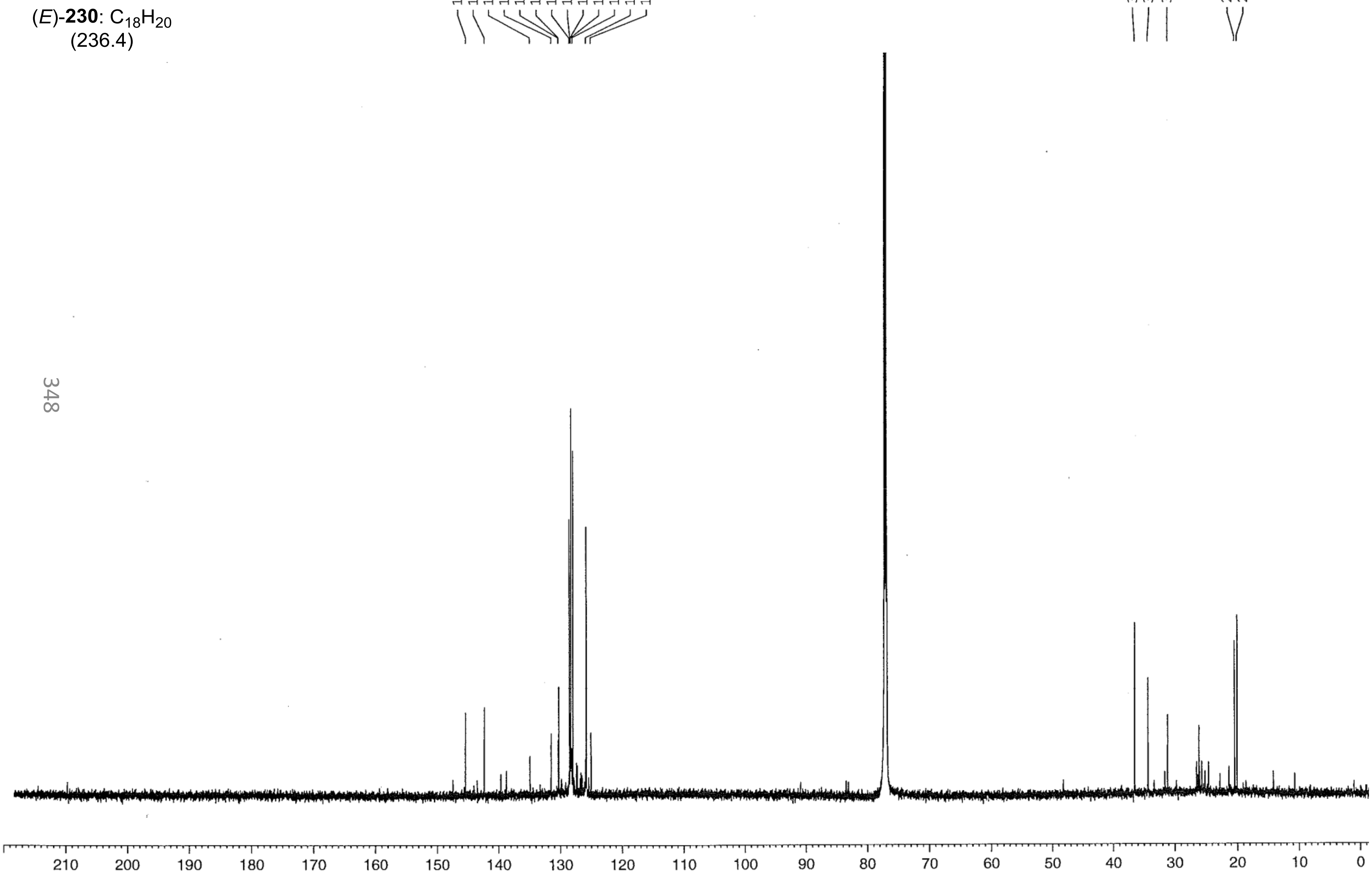
1H NMR: 400 MHz, CDCl3

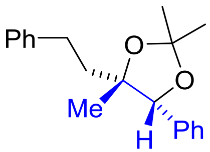


13C NMR: 175 MHz, CDCl3



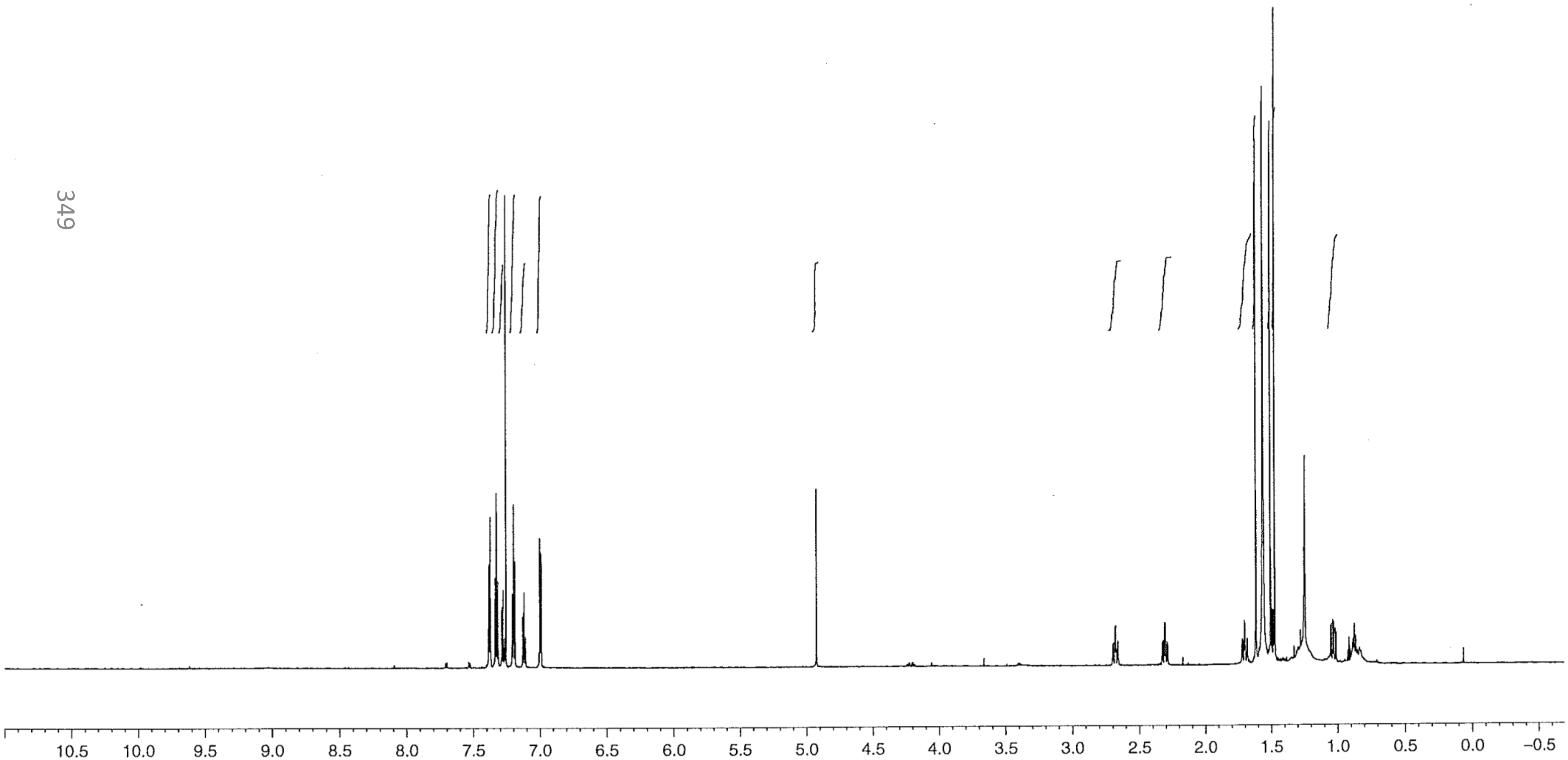
(*E*)-**230**: $C_{18}H_{20}$
(236.4)

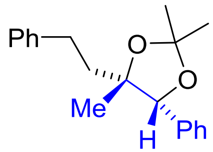




221 $C_{20}H_{24}O_2$
(296.4)

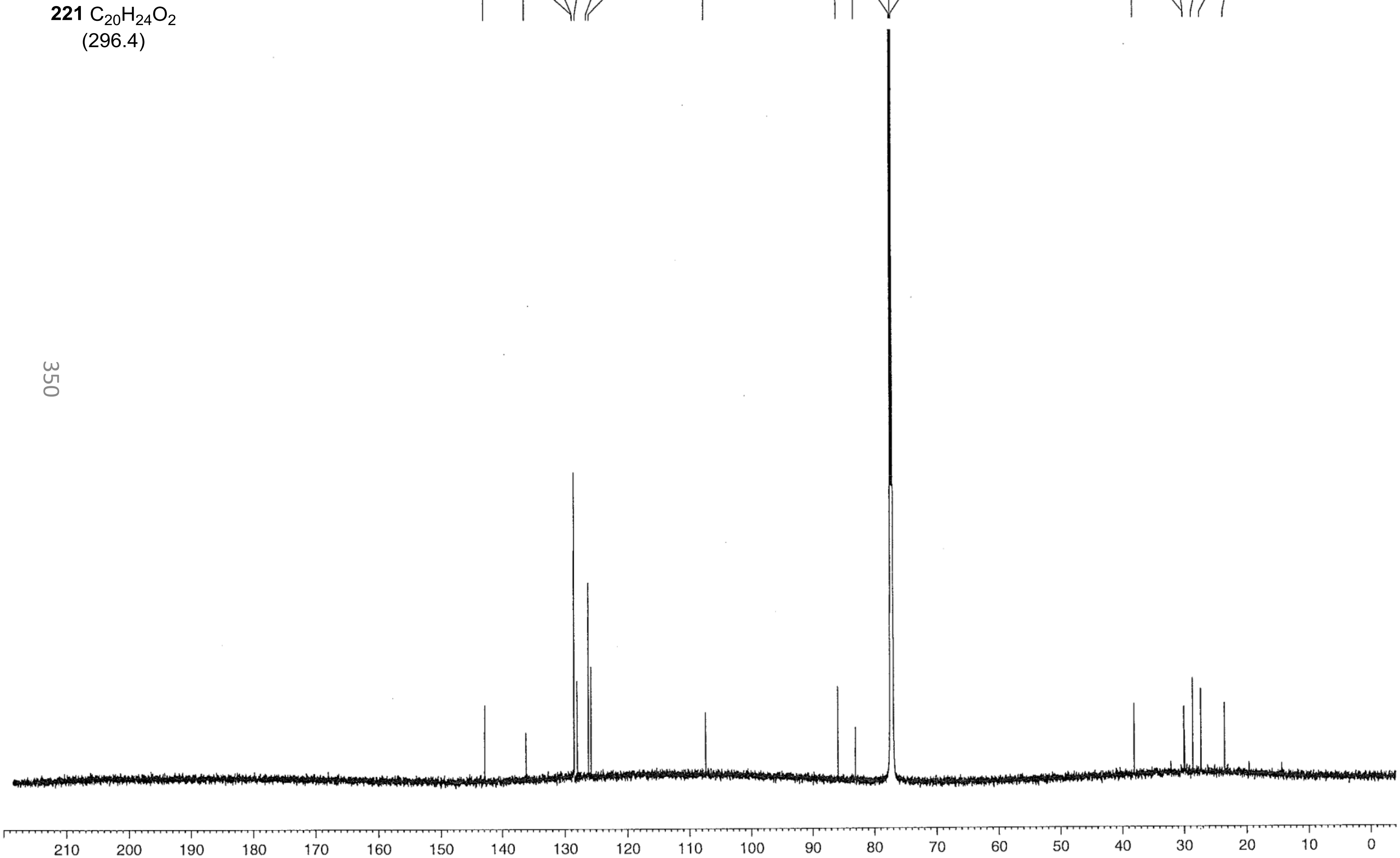
1H NMR: 700 MHz, CDCl3

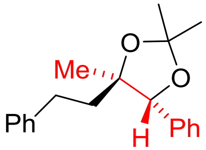




221 $C_{20}H_{24}O_2$
(296.4)

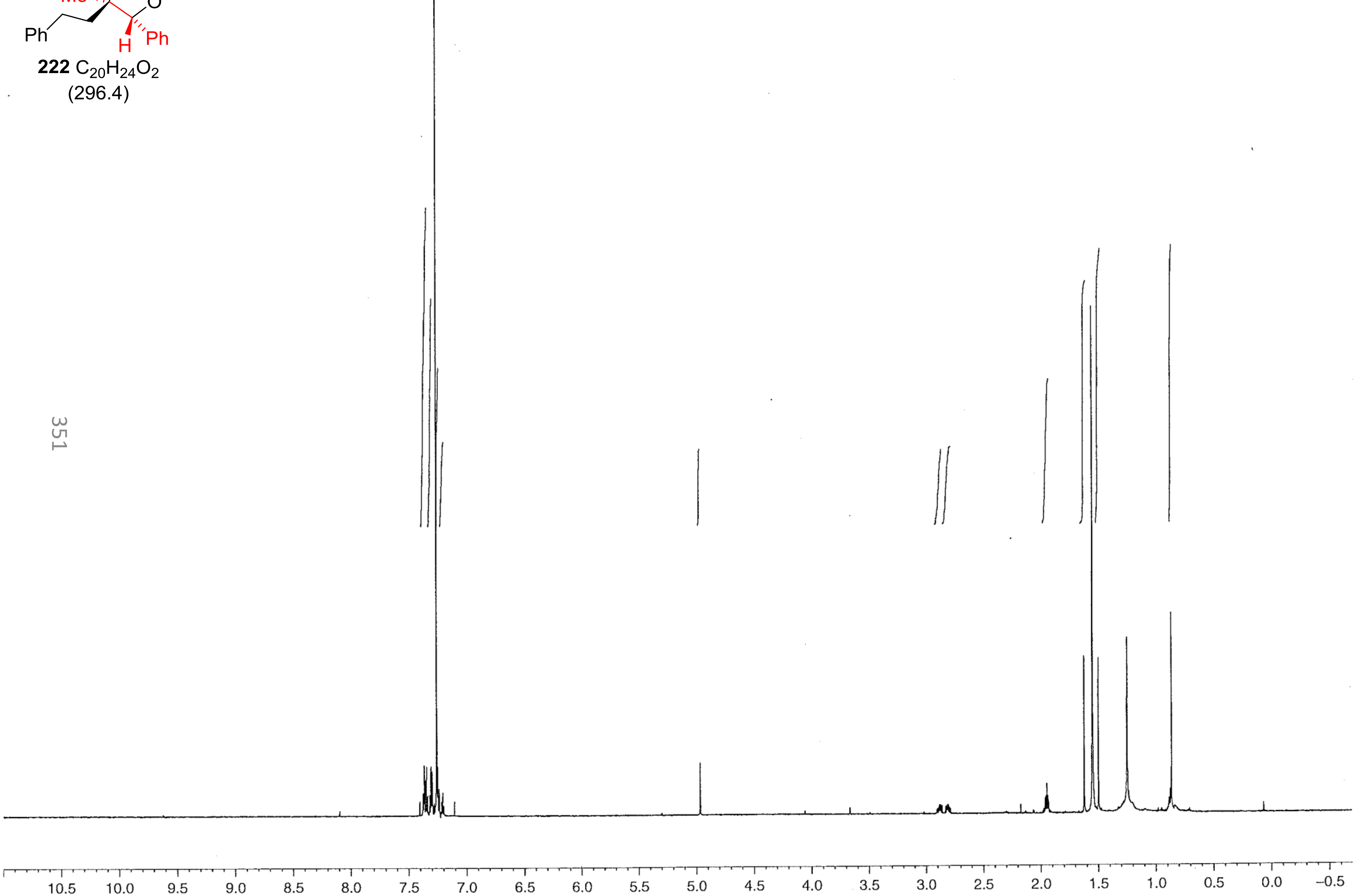
13C NMR: 175 MHz, CDCl3

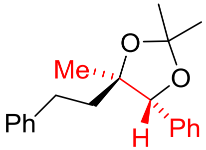




222 $C_{20}H_{24}O_2$
(296.4)

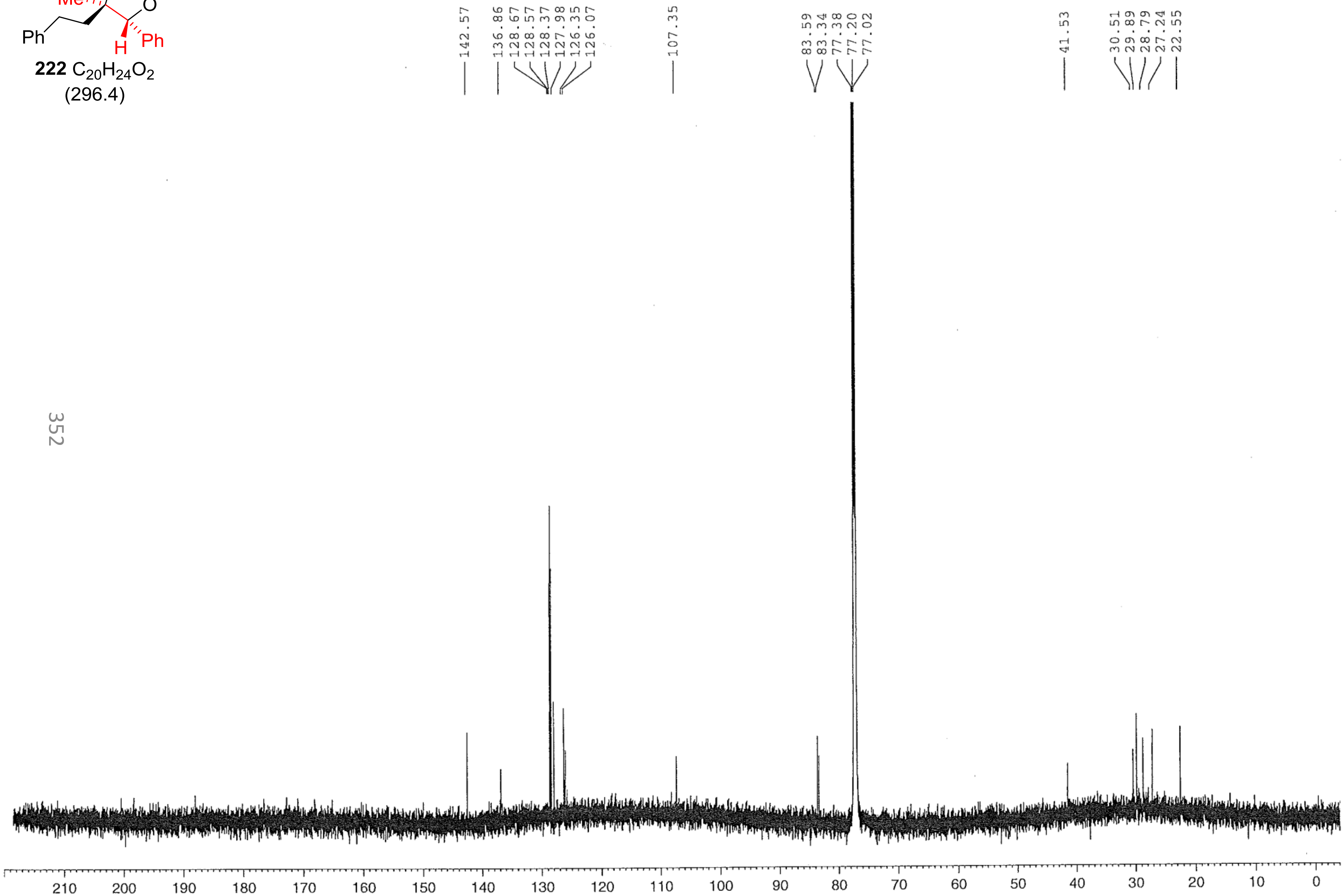
1H NMR: 700 MHz, CDCl3

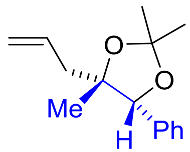




222 $C_{20}H_{24}O_2$
(296.4)

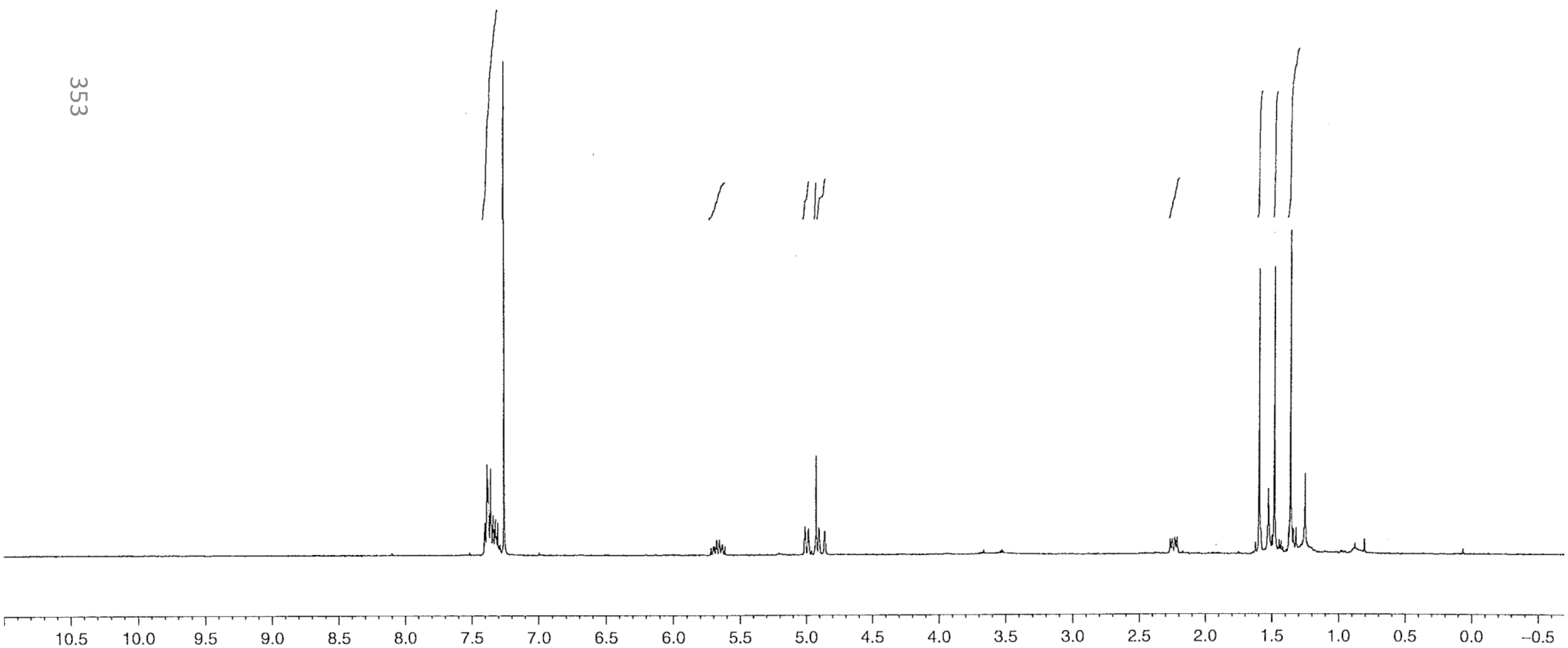
13C NMR: 175 MHz, CDCl3

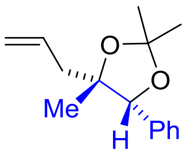




223 $C_{15}H_{20}O_2$
(232.3)

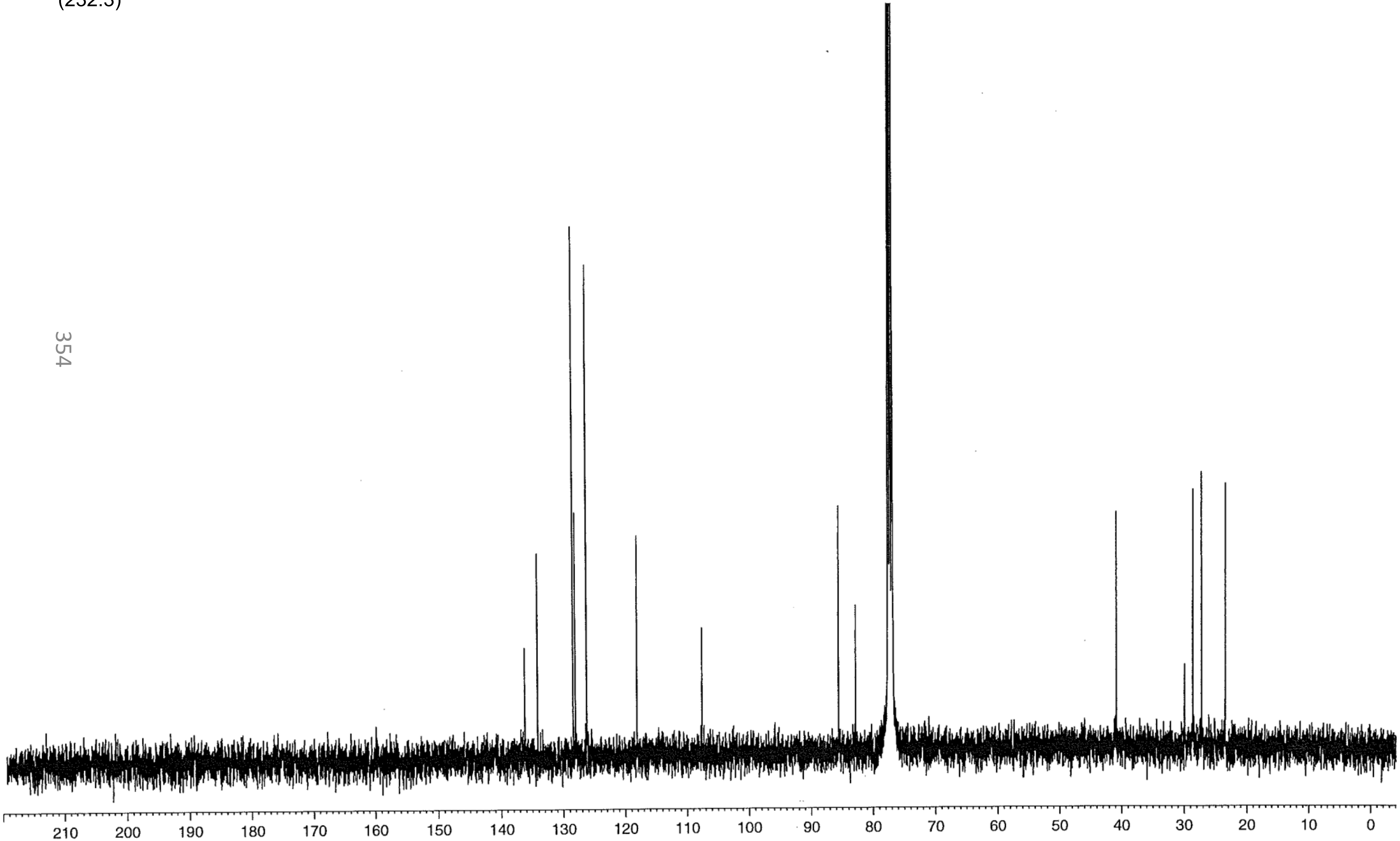
1H NMR: 700 MHz, CDCl3





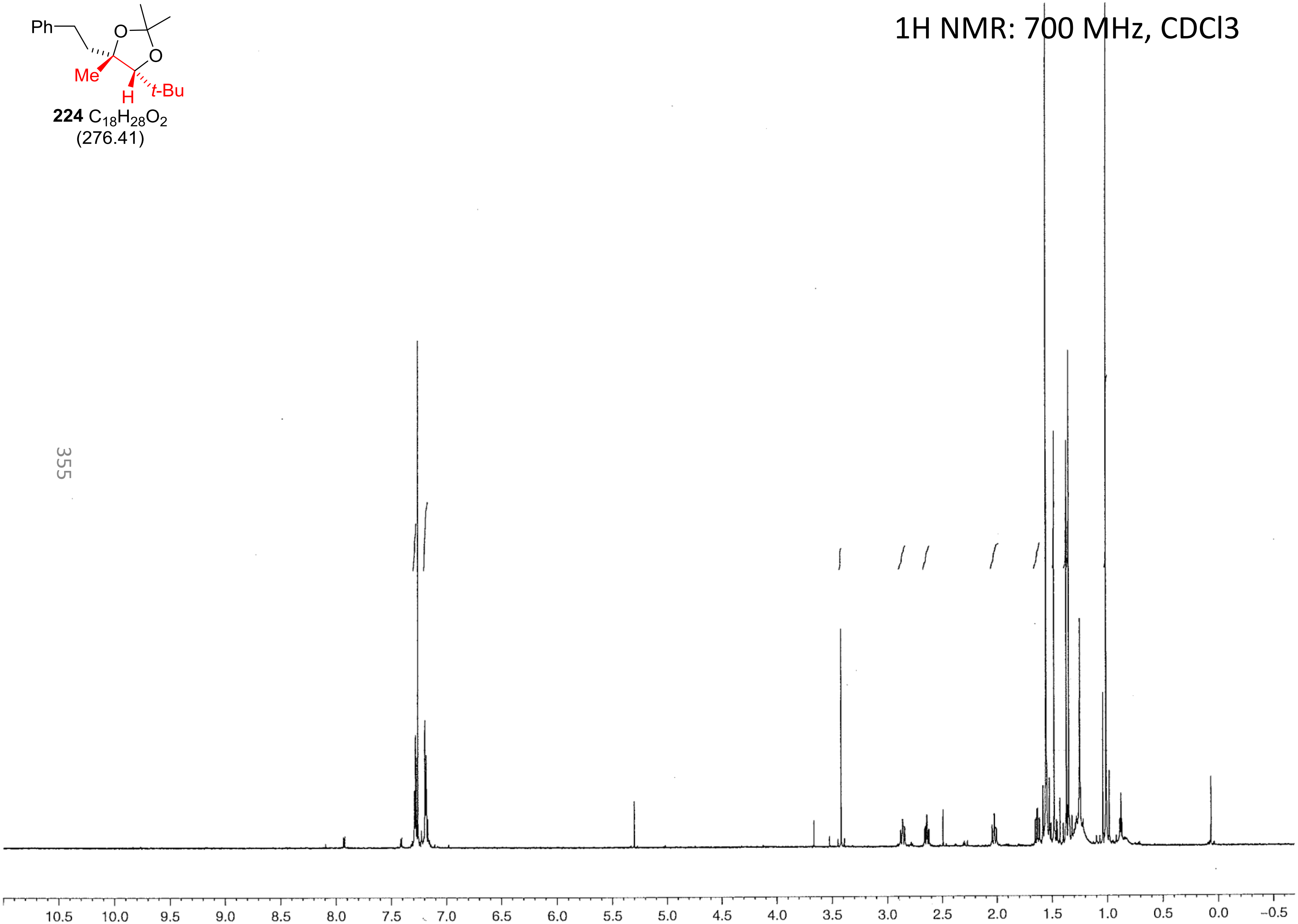
223 $C_{15}H_{20}O_2$
(232.3)

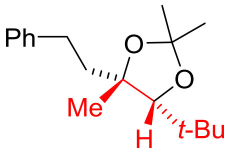
13C NMR: 175 MHz, CDCl3



354

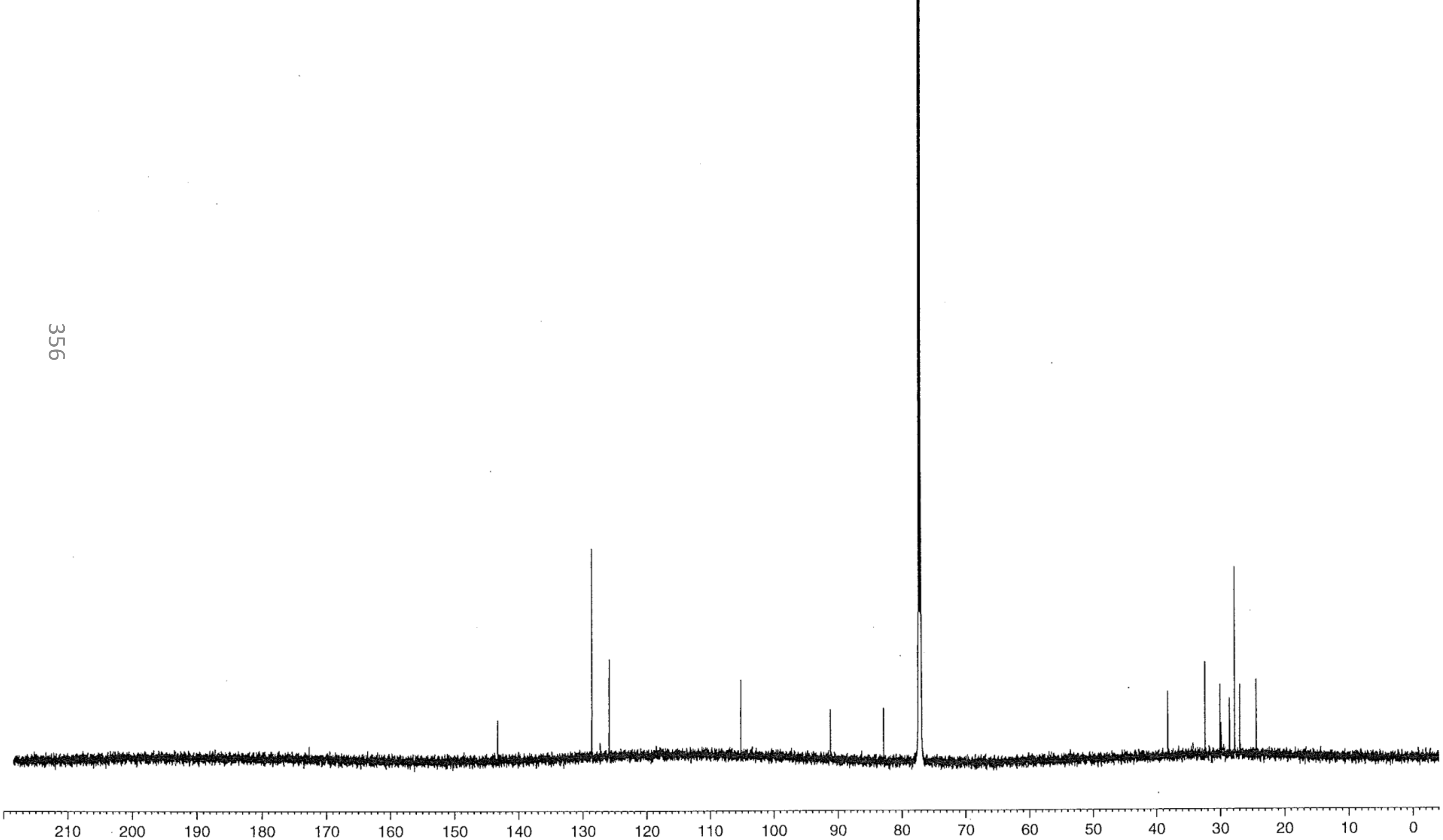
355

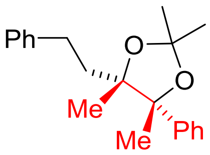

1H NMR: 700 MHz, CDCl3
Ph
O
O
Me
H
t-Bu
224 C18H28O2
(276.41)
10.5
10.0
9.5
9.0
8.5
8.0
7.5
7.0
6.5
6.0
5.5
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
–0.5



224 $C_{18}H_{28}O_2$
(276.41)

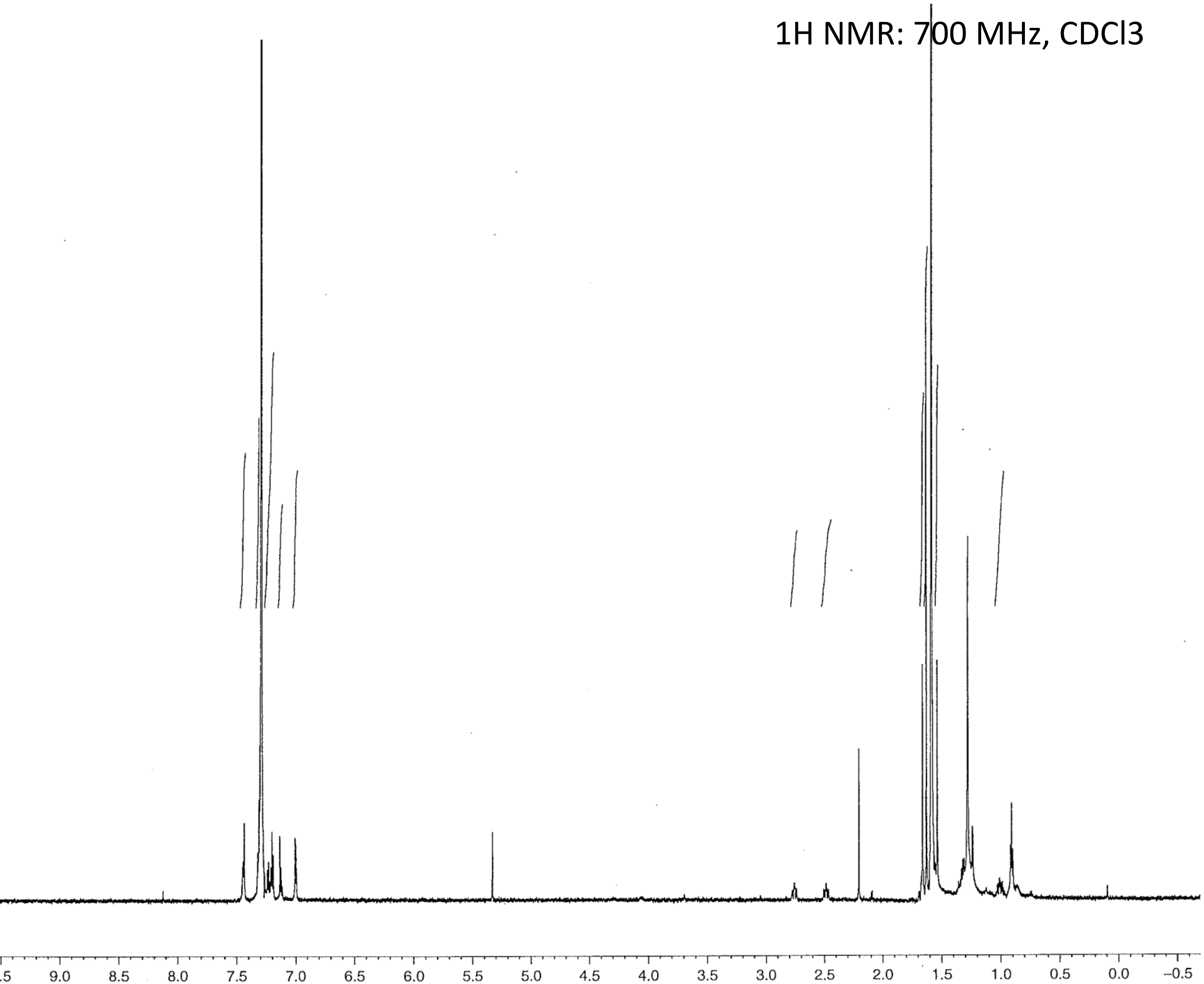
13C NMR: 175 MHz, CDCl3



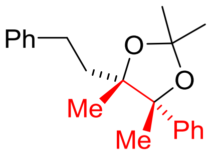


226 $C_{21}H_{26}O_2$
(310.4)

1H NMR: 700 MHz, CDCl3

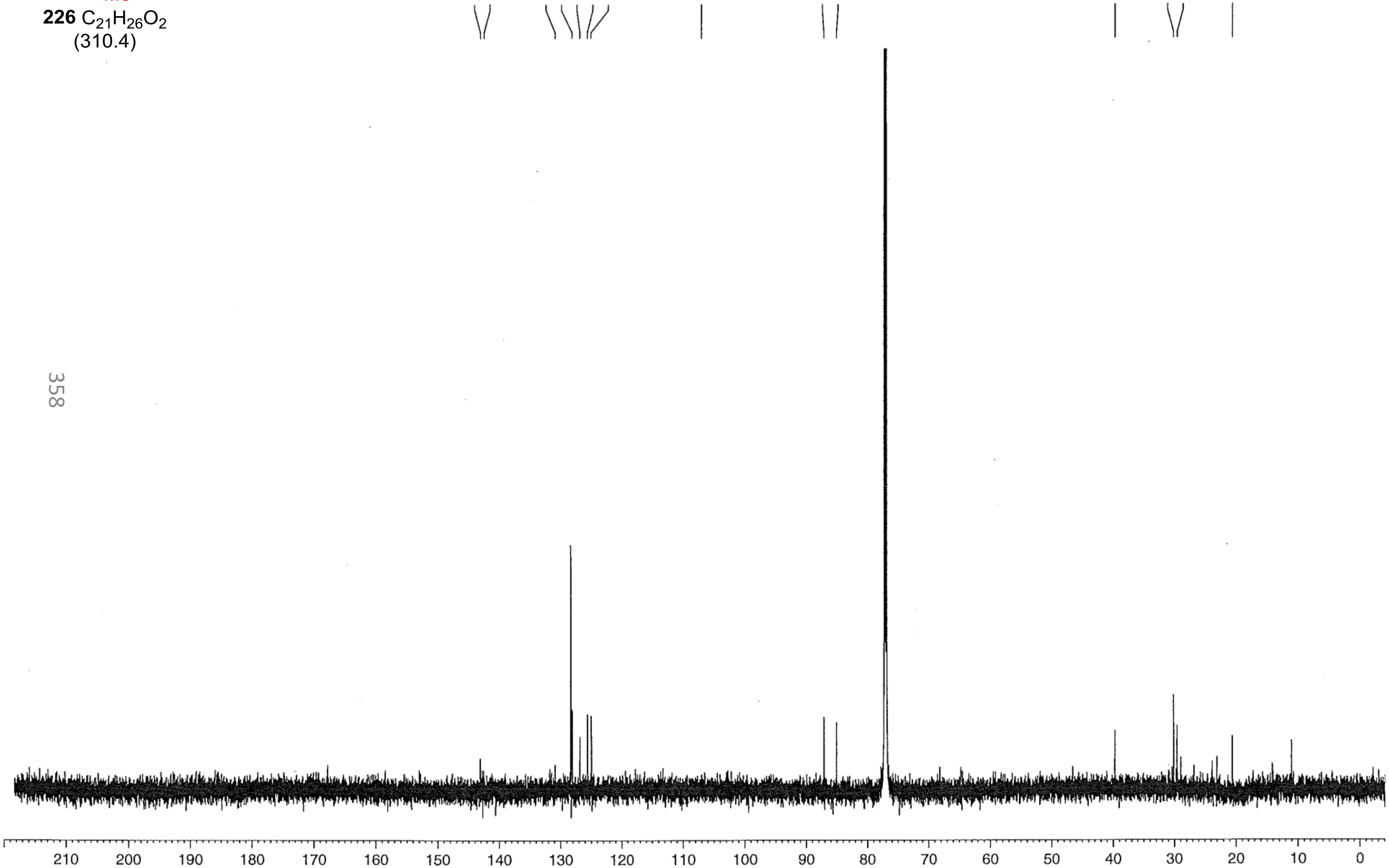


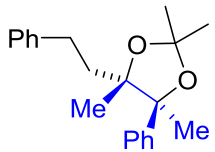
357



226 $C_{21}H_{26}O_2$
(310.4)

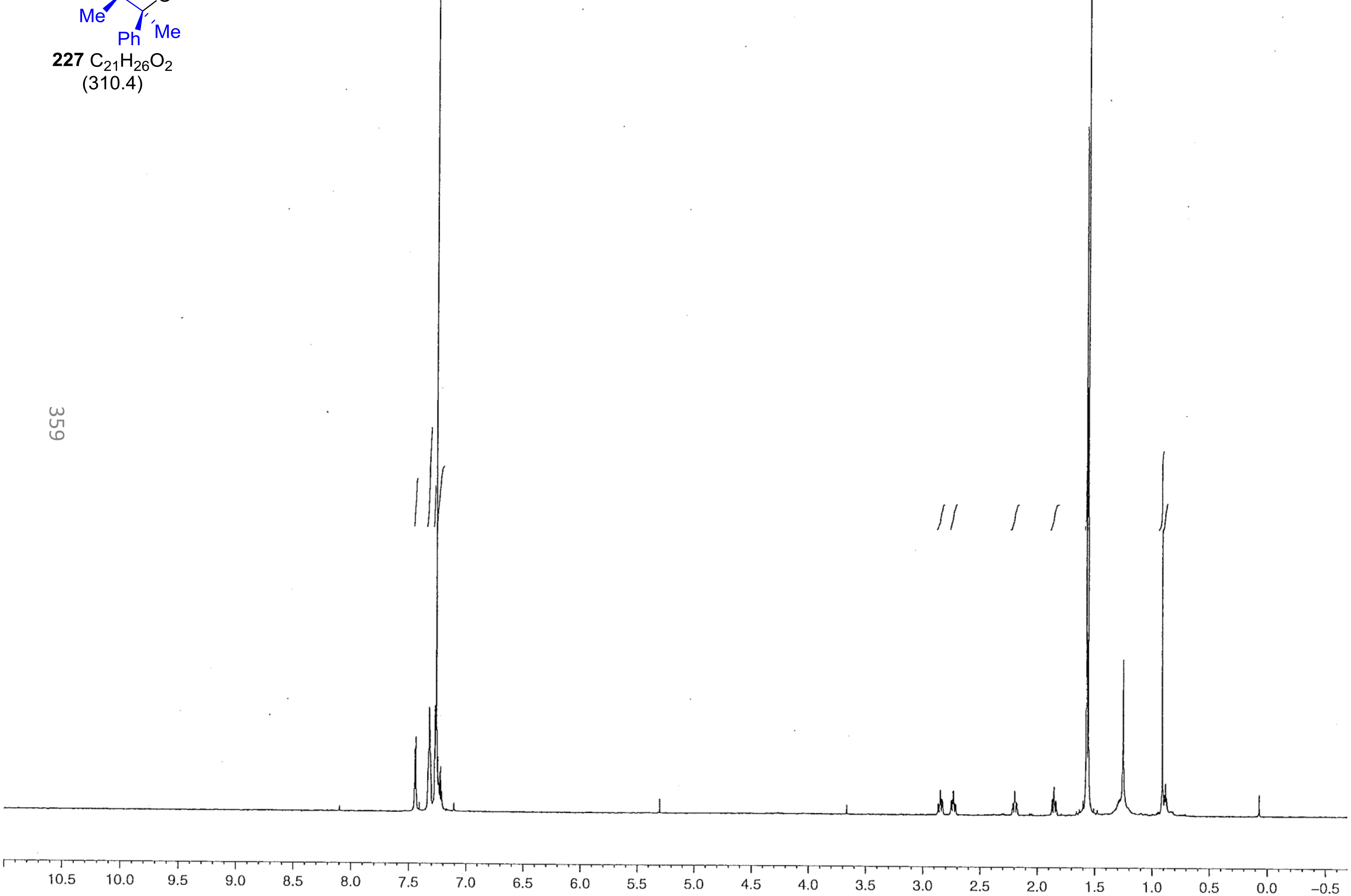
13C NMR: 175 MHz, CDCl3

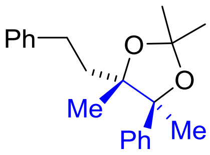




227 $C_{21}H_{26}O_2$
(310.4)

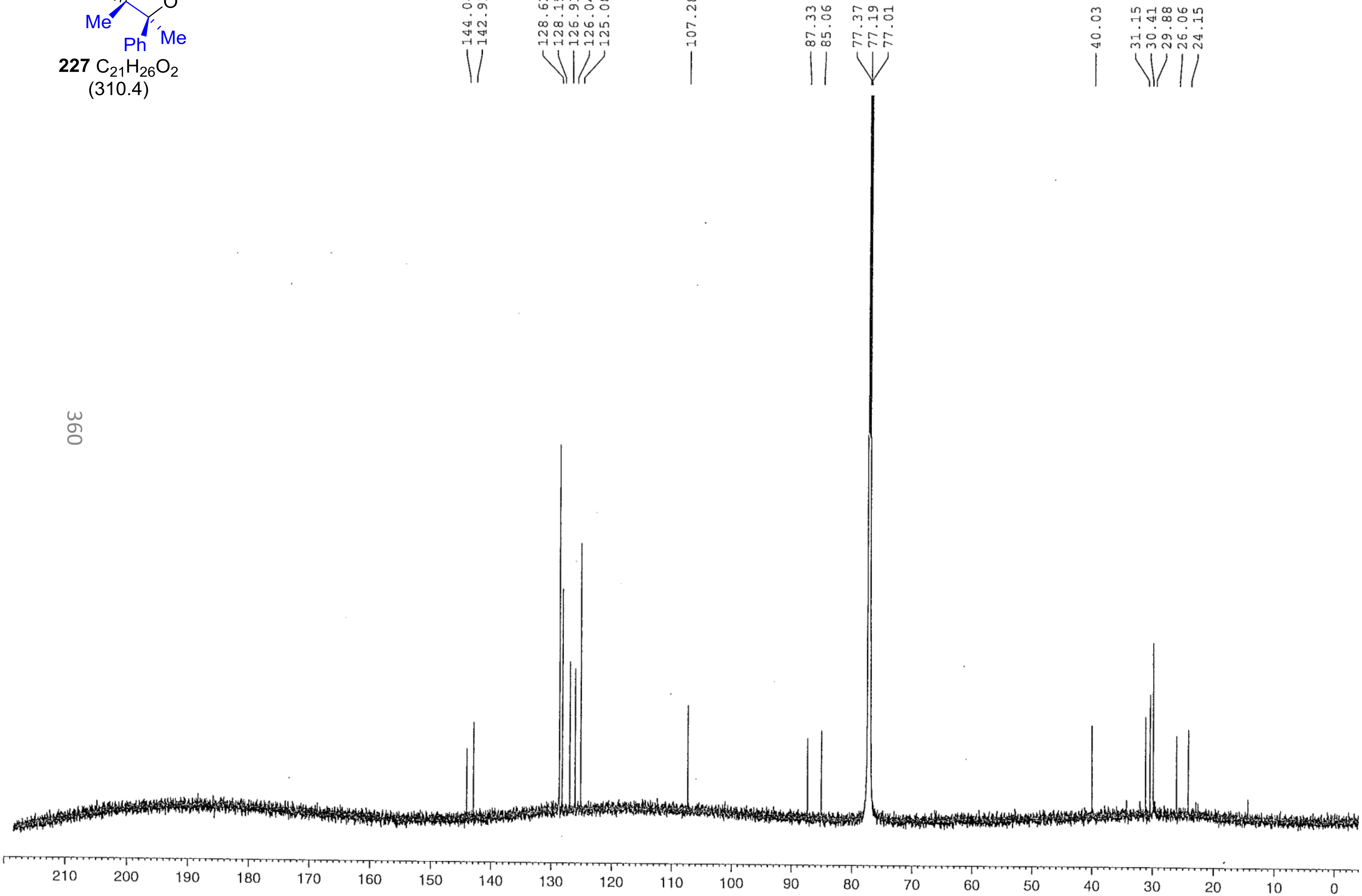
1H NMR: 700 MHz, CDCl3





227 $C_{21}H_{26}O_2$
(310.4)

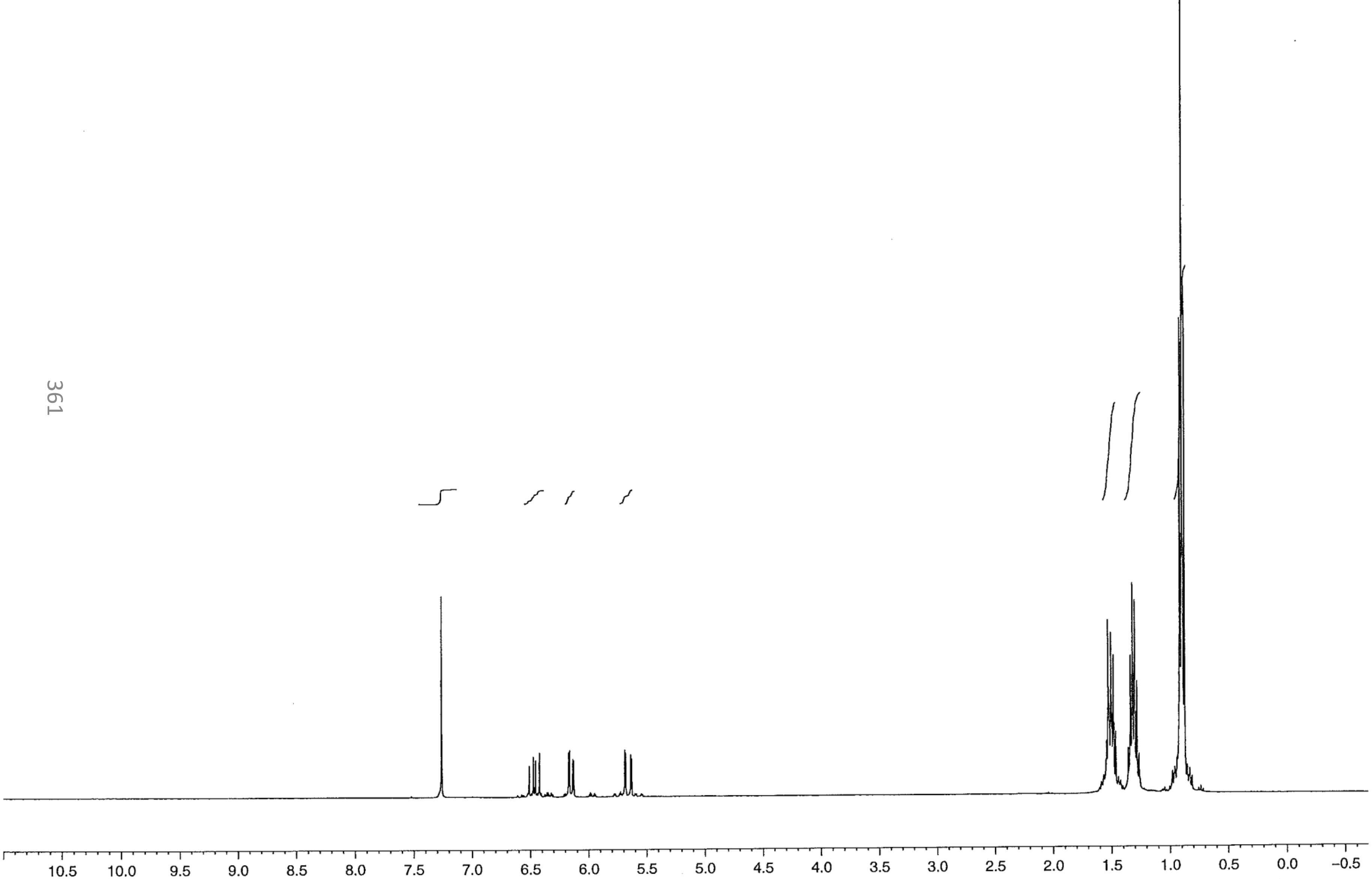
13C NMR: 175 MHz, CDCl3



360

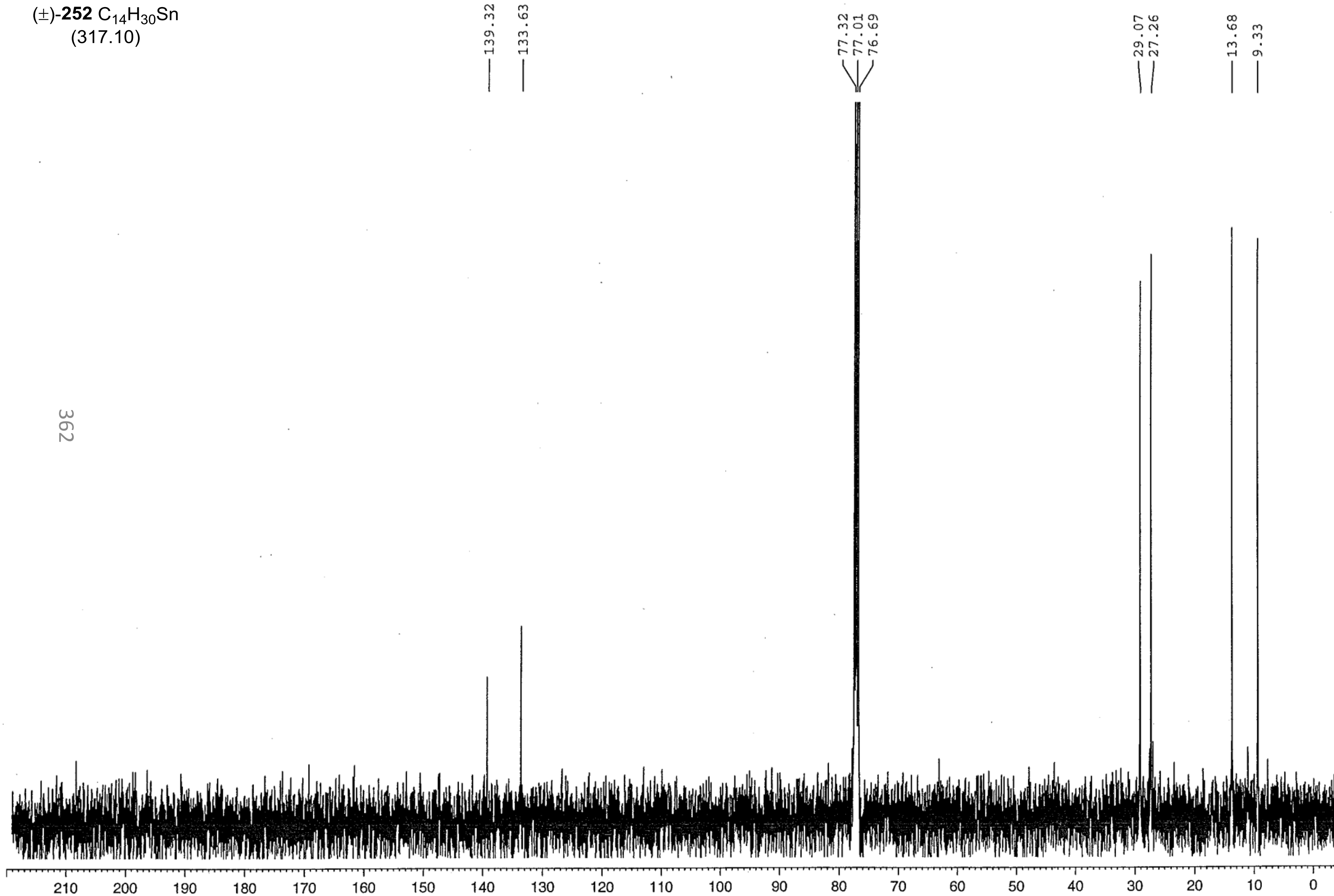
(±)-**252** $C_{14}H_{30}Sn$
(317.10)

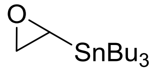
1H NMR: 400 MHz, CDCl3



(±)-**252** $C_{14}H_{30}Sn$
(317.10)

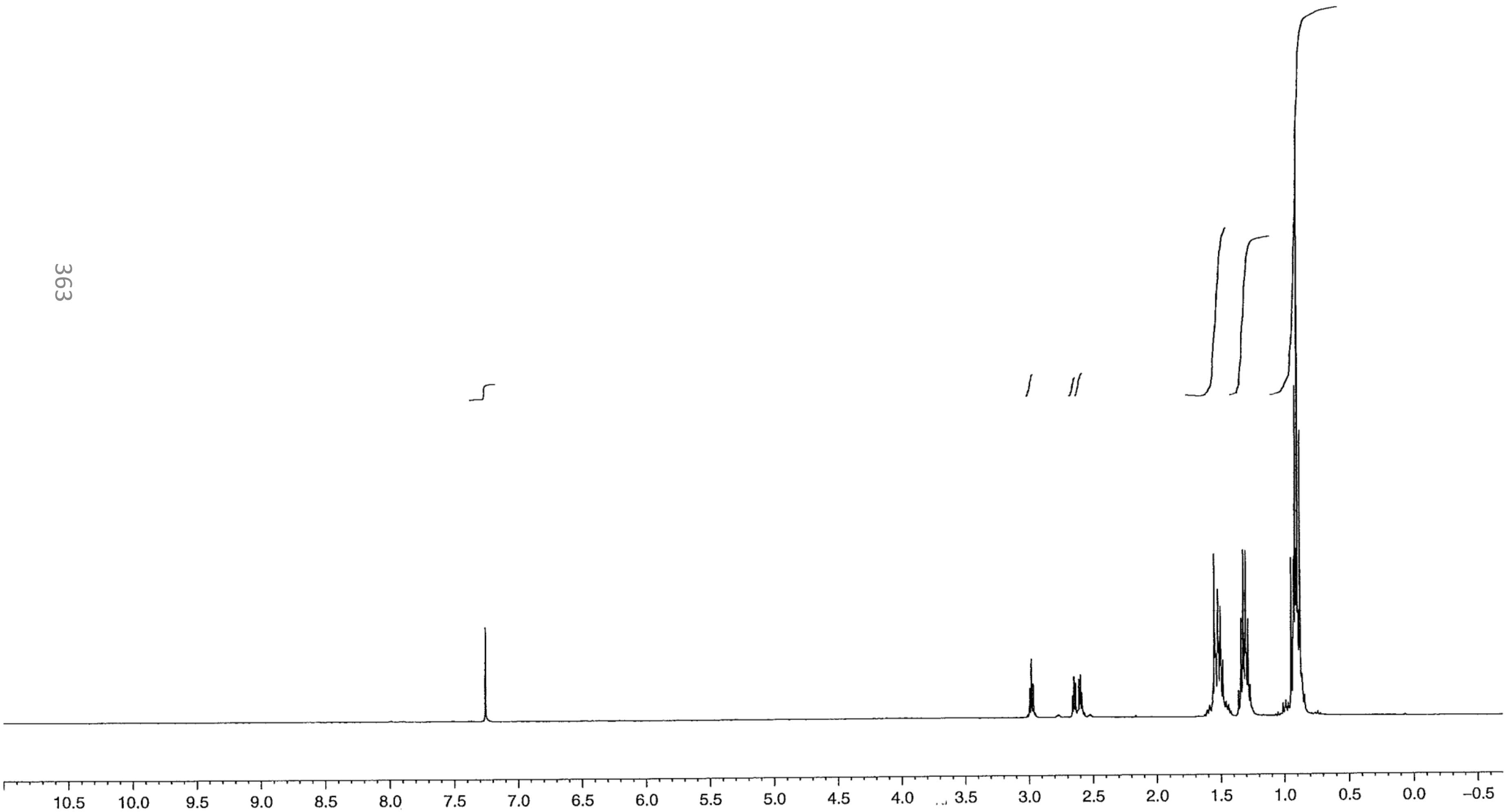
13C NMR: 100 MHz, CDCl3

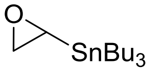




(±)-252 $C_{14}H_{30}OSn$
(333.1)

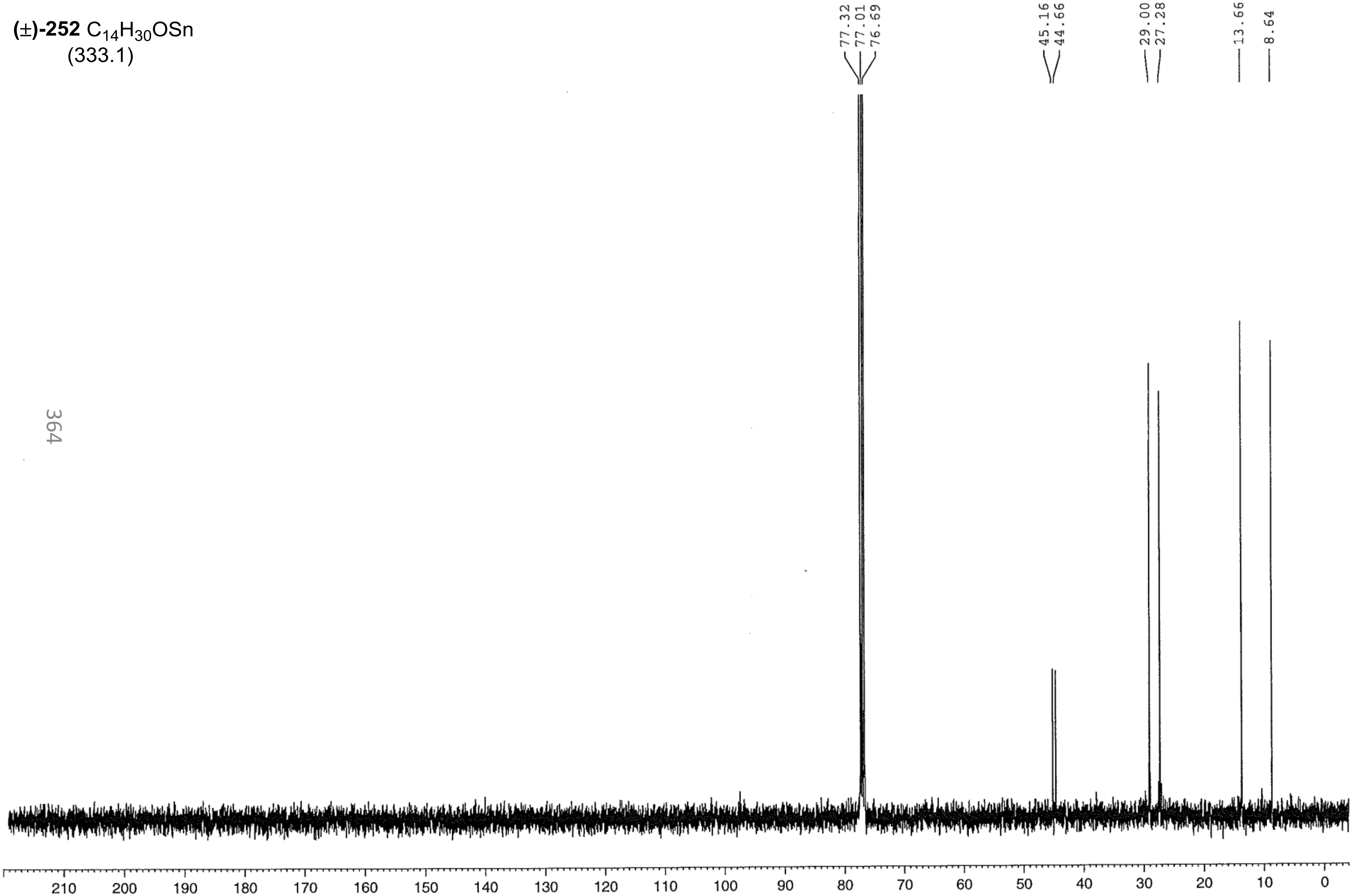
1H NMR: 400 MHz, CDCl3

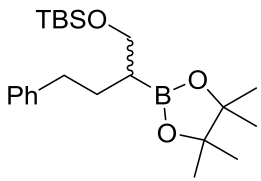




(±)-**252** $C_{14}H_{30}OSn$
(333.1)

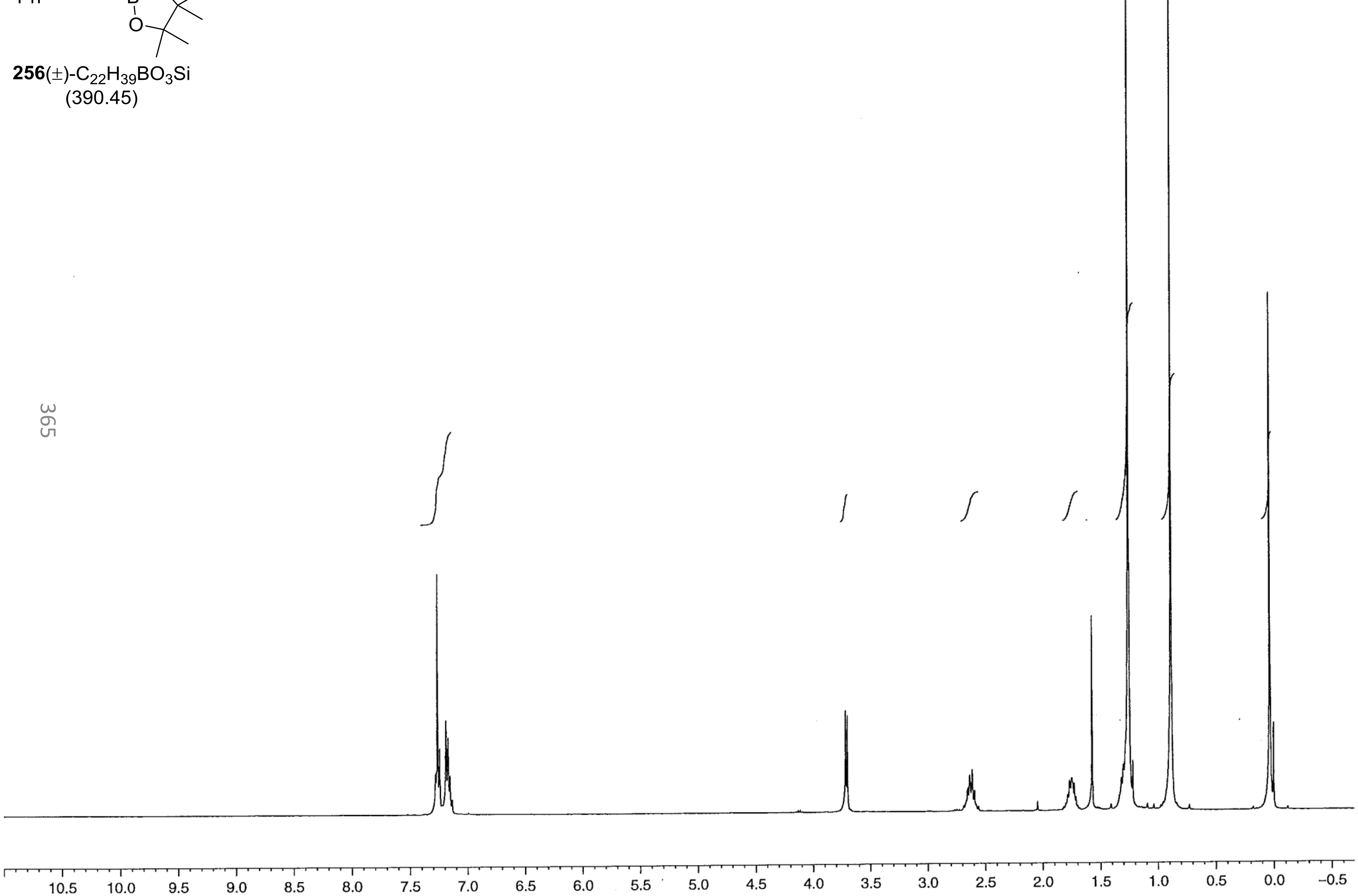
13C NMR: 100 MHz, CDCl3

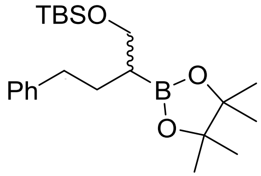




256(±)-$C_{22}H_{39}BO_3Si$
(390.45)

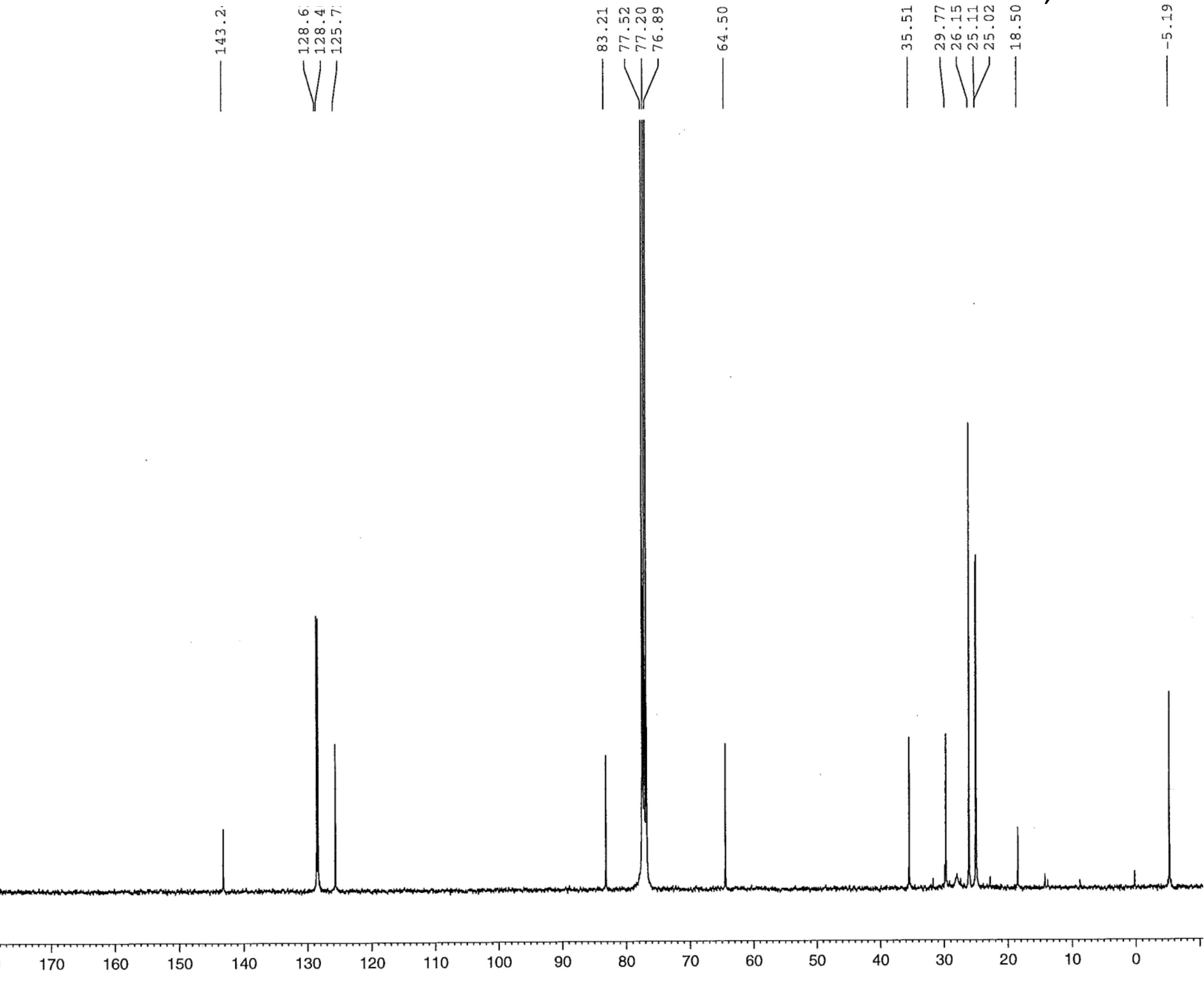
1H NMR: 400 MHz, CDCl3

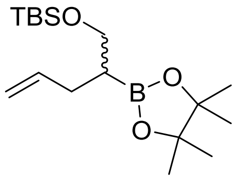




256(±)-$C_{22}H_{39}BO_3Si$
(390.45)

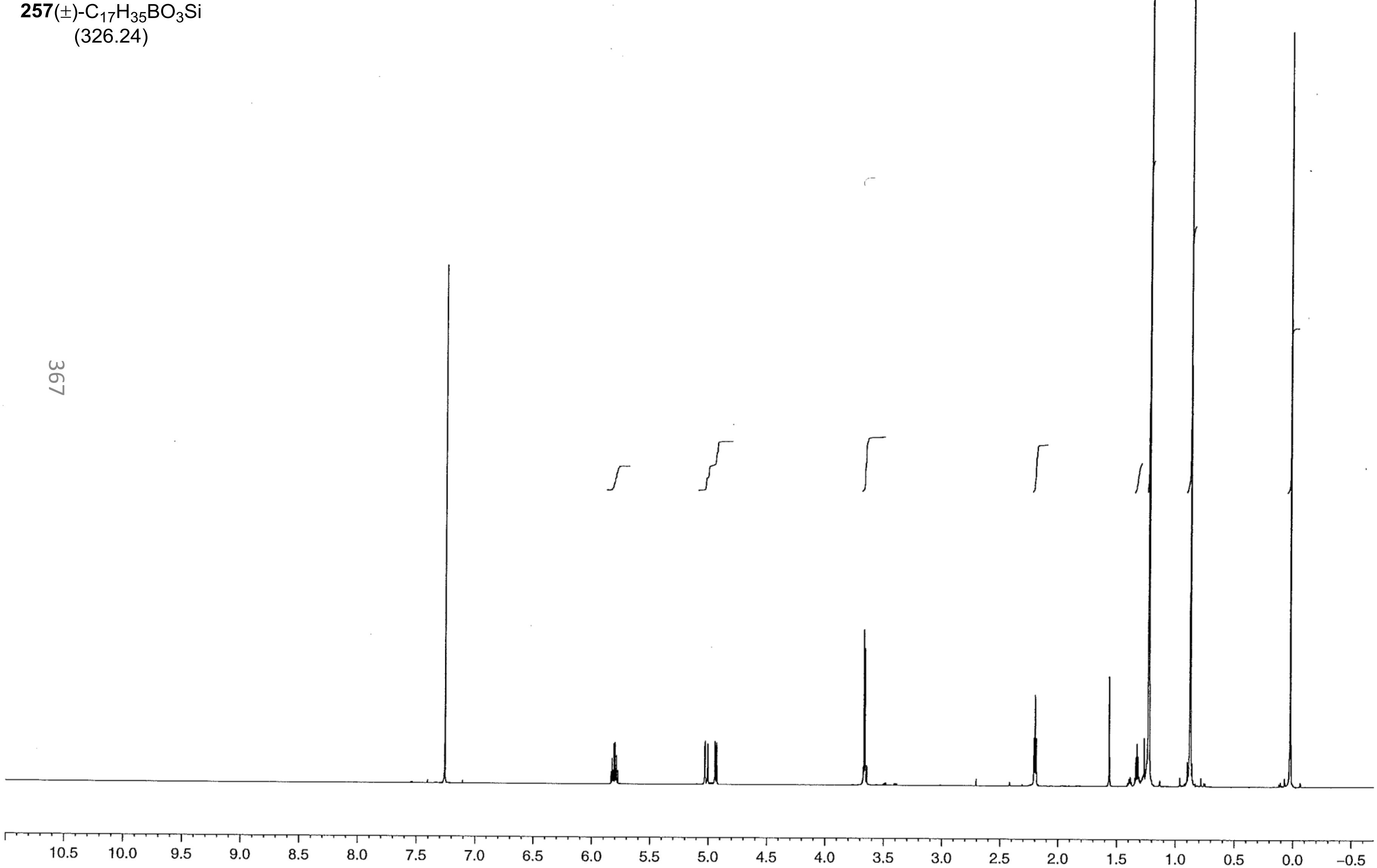
13C NMR: 100 MHz, CDCl3

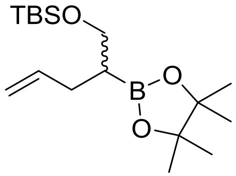




257(±)-$C_{17}H_{35}BO_3Si$
(326.24)

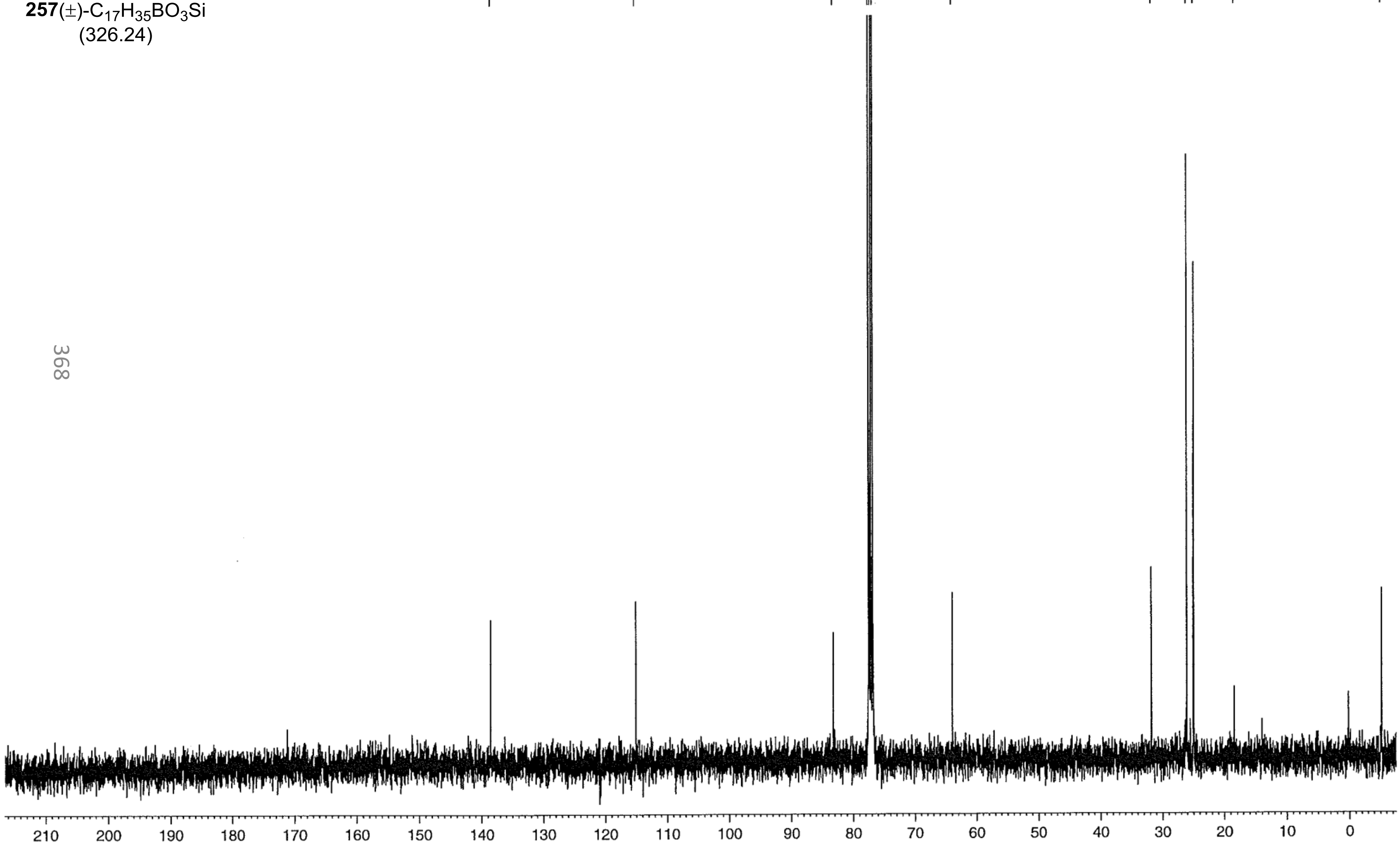
1H NMR: 700 MHz, CDCl3

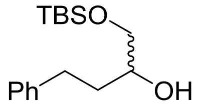




257(±)-$C_{17}H_{35}BO_3Si$
(326.24)

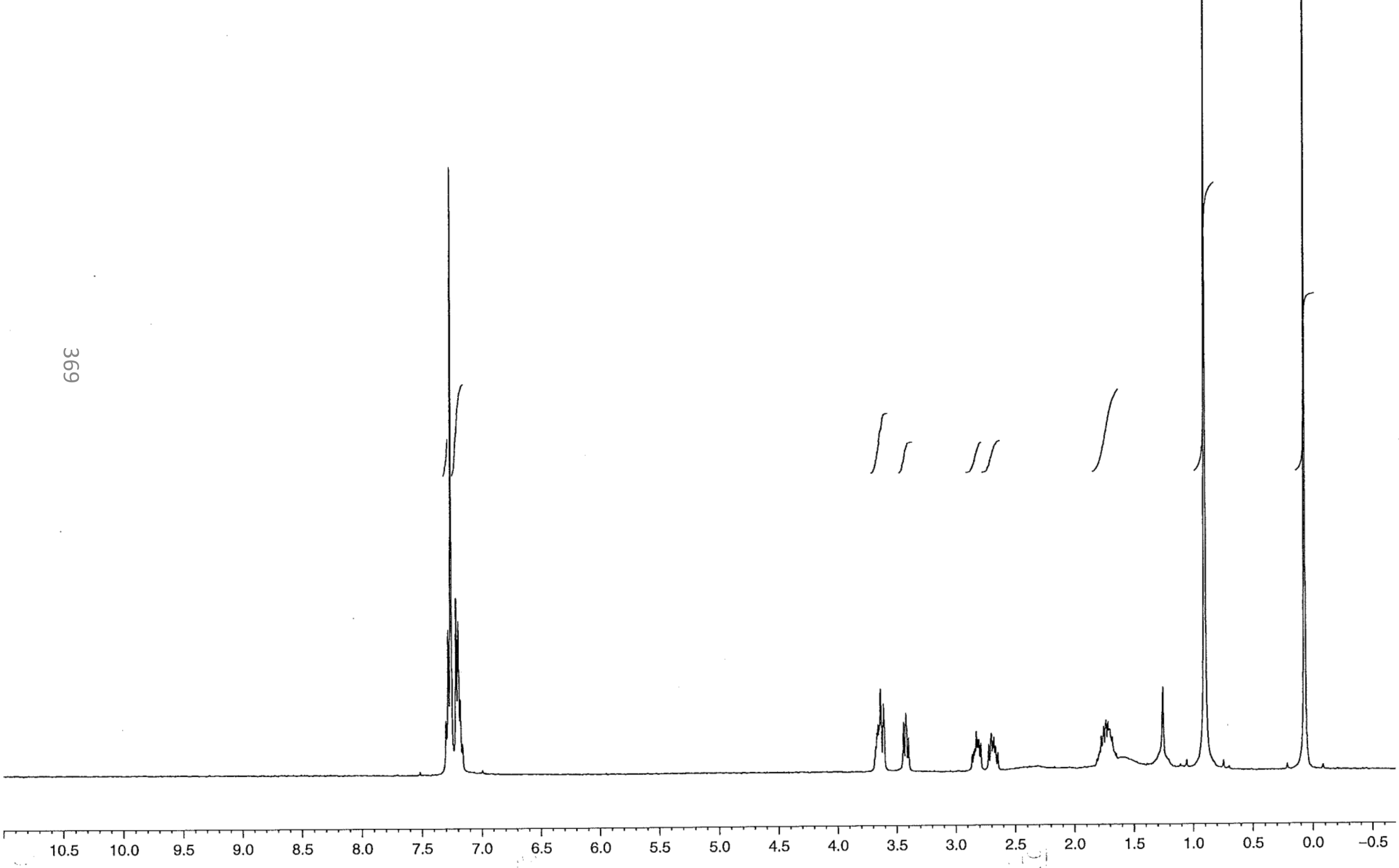
13C NMR: 100 MHz, CDCl3

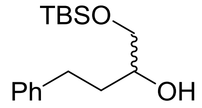




(±)-**258** $C_{16}H_{28}O_2Si$
(280.48)

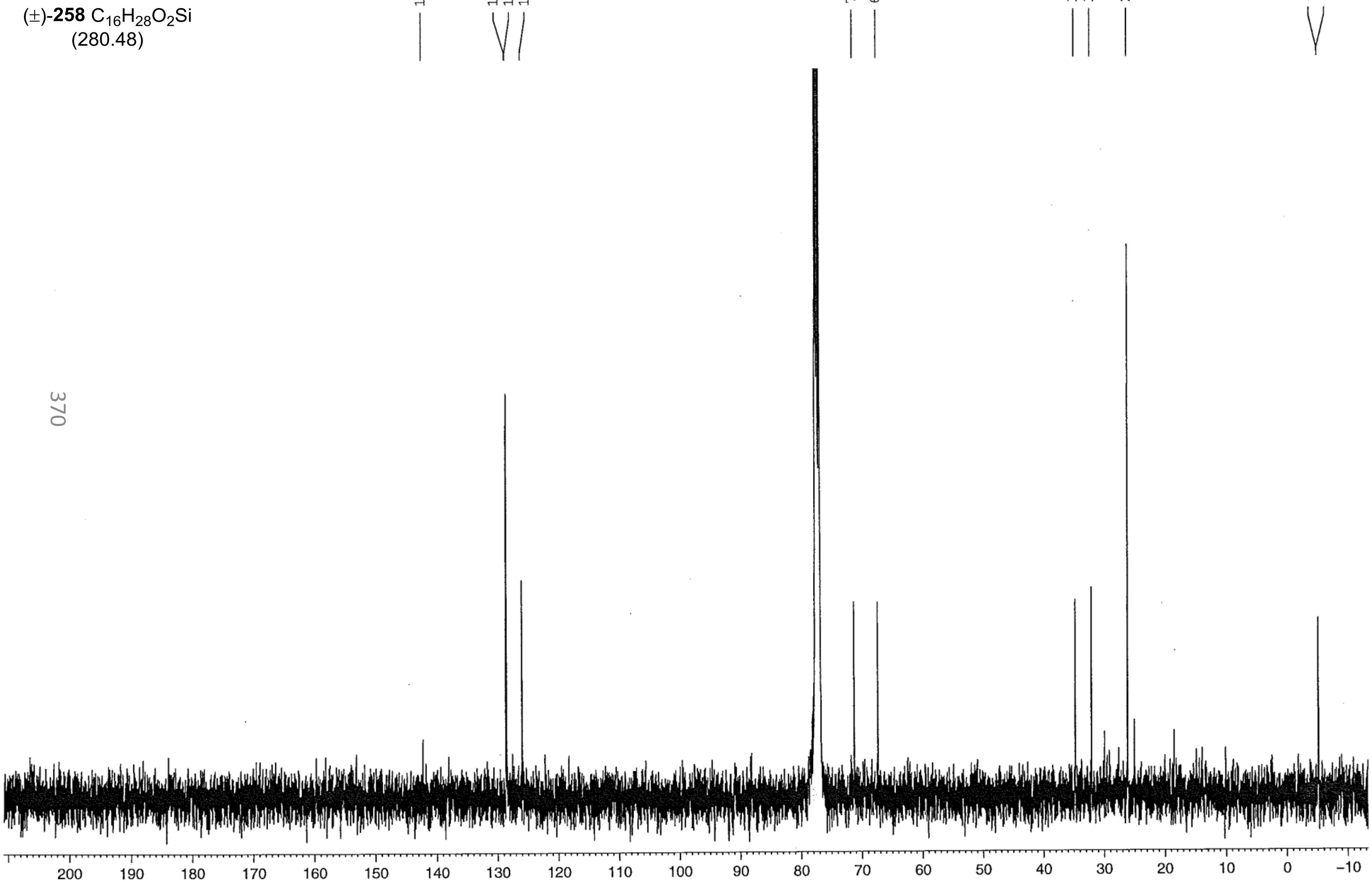
1H NMR: 400 MHz, CDCl3

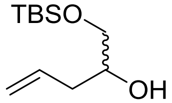




(±)-**258** $C_{16}H_{28}O_2Si$
(280.48)

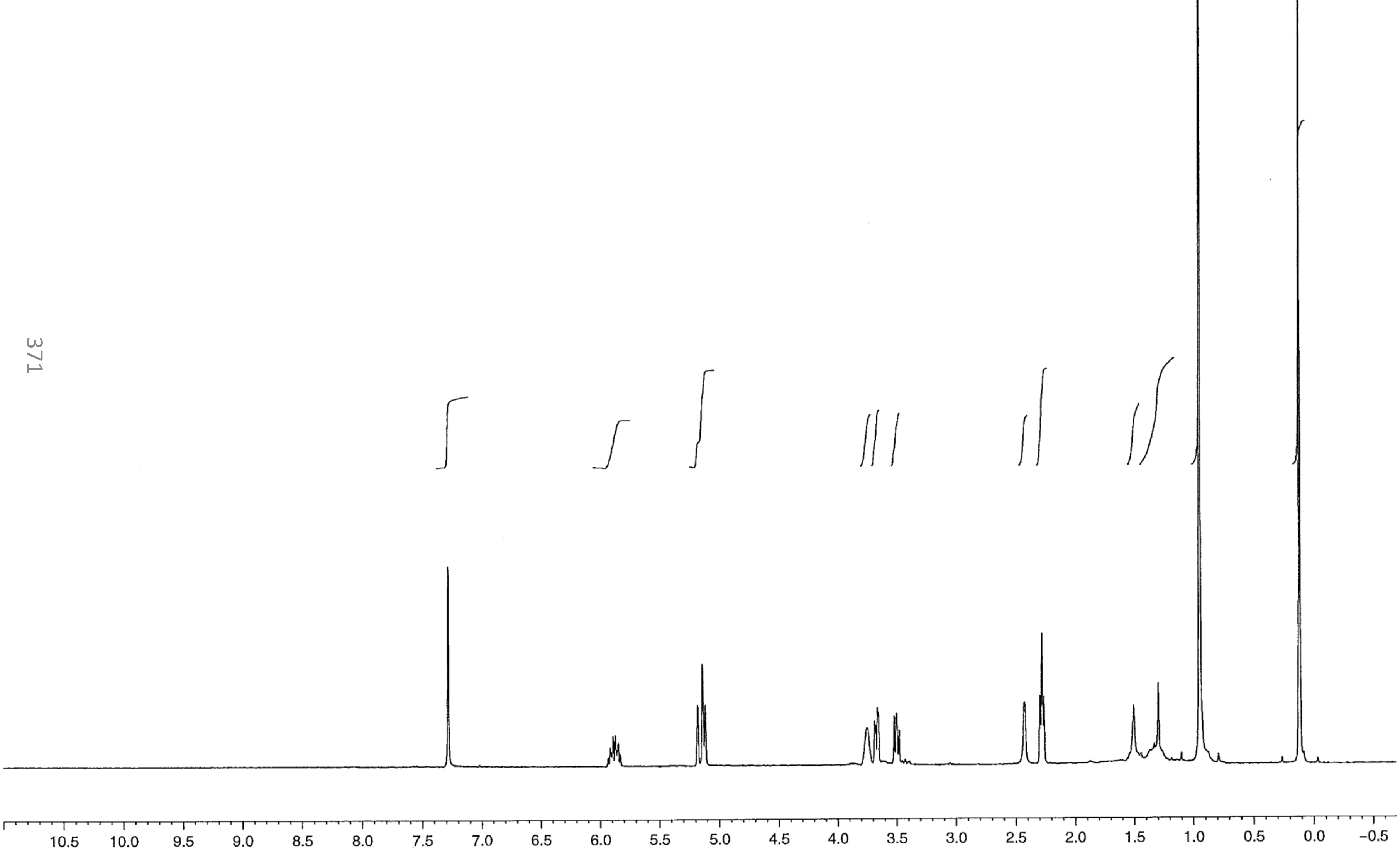
13C NMR: 100 MHz, CDCl3

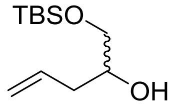




(±)-**255b** $C_{11}H_{24}O_2Si$
(216.40)

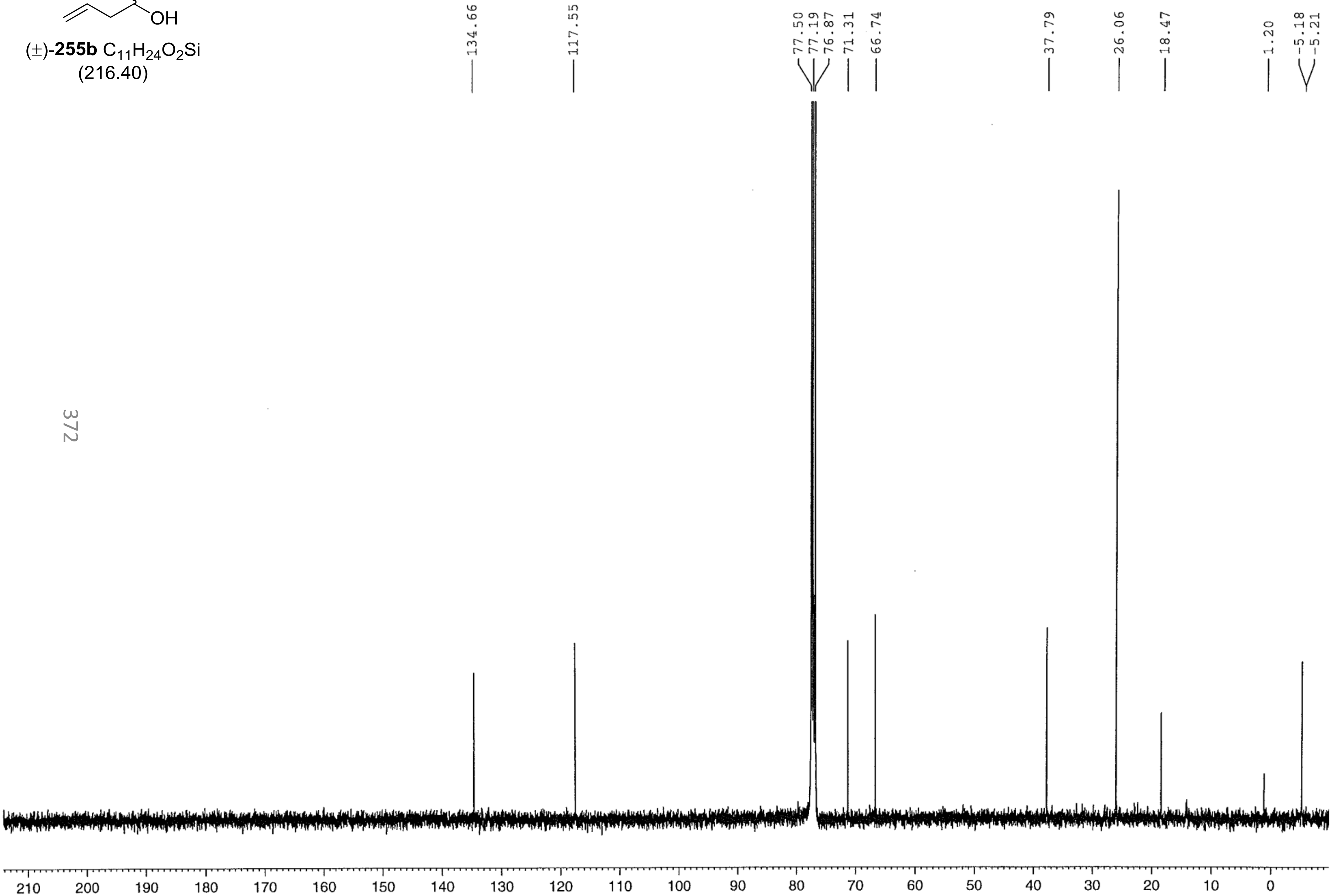
1HNMR: 400 MHz, CDCl3

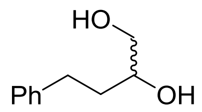




(±)-**255b** $C_{11}H_{24}O_2Si$
(216.40)

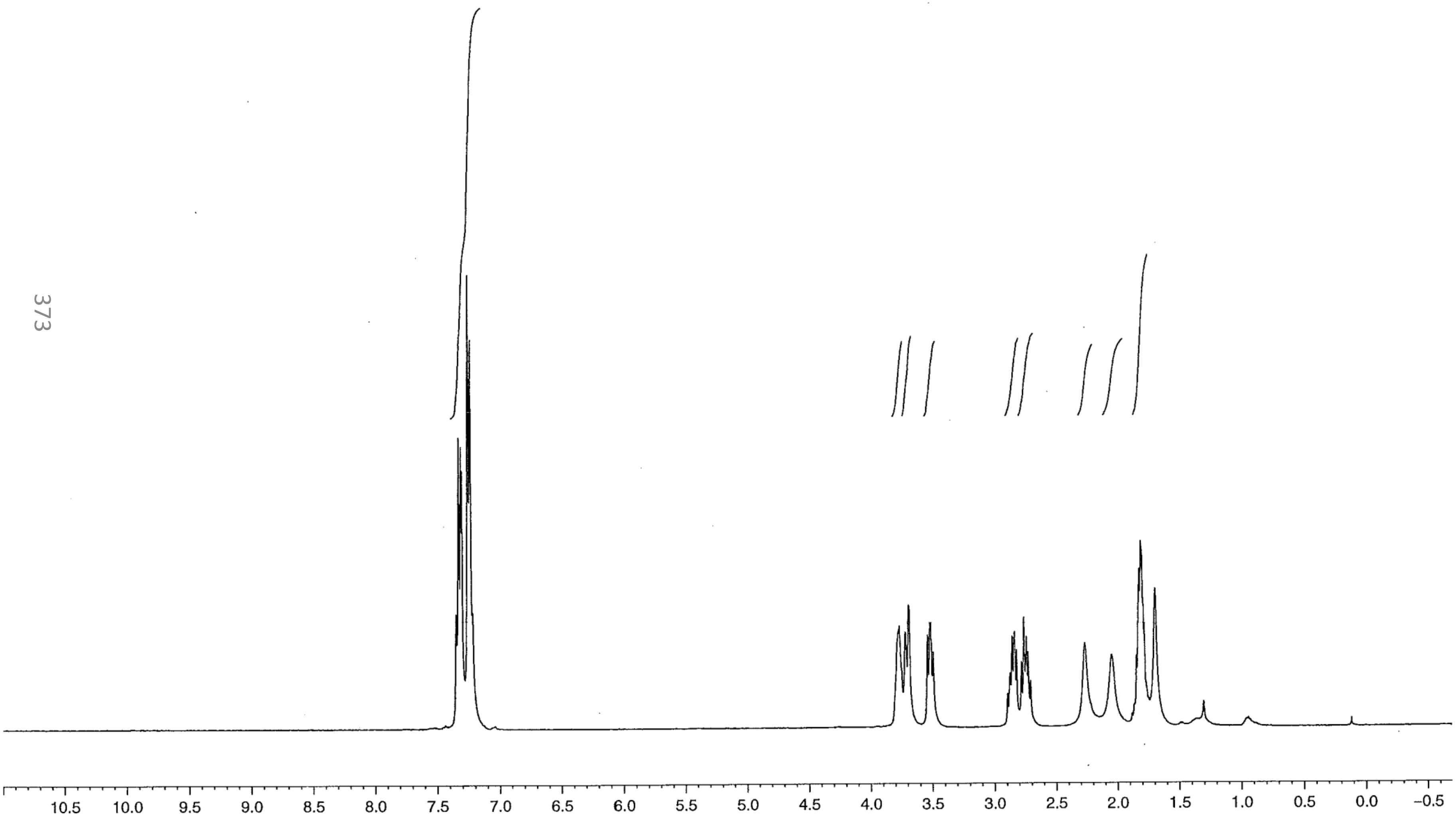
13C NMR: 100 MHz, CDCl3

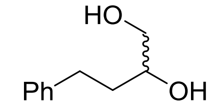




(±)-**255c** $C_{10}H_{14}O_2$
(166.22)

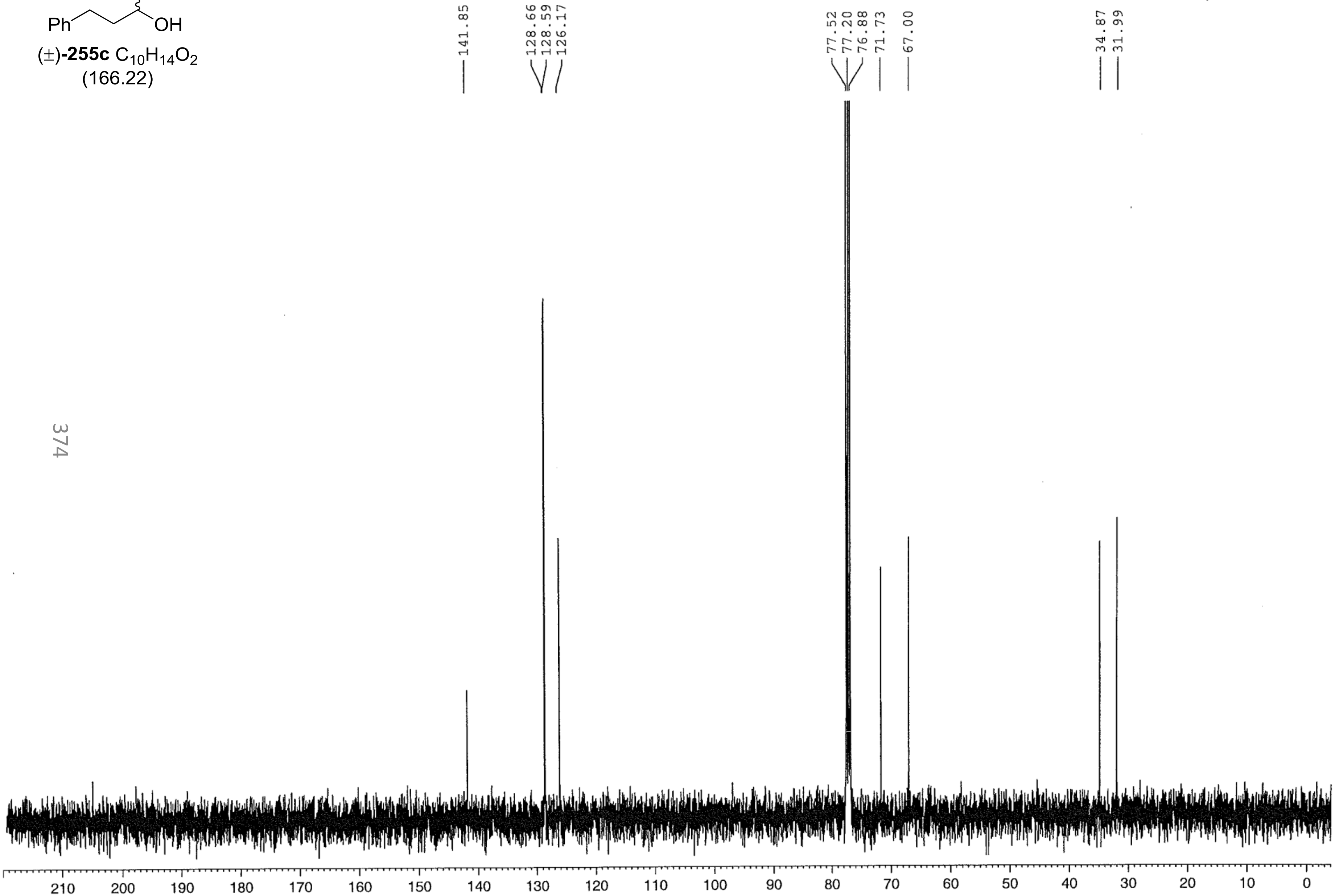
1H NMR: 400 MHz, CDCl3



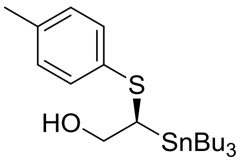


(±)-**255c** $C_{10}H_{14}O_2$
(166.22)

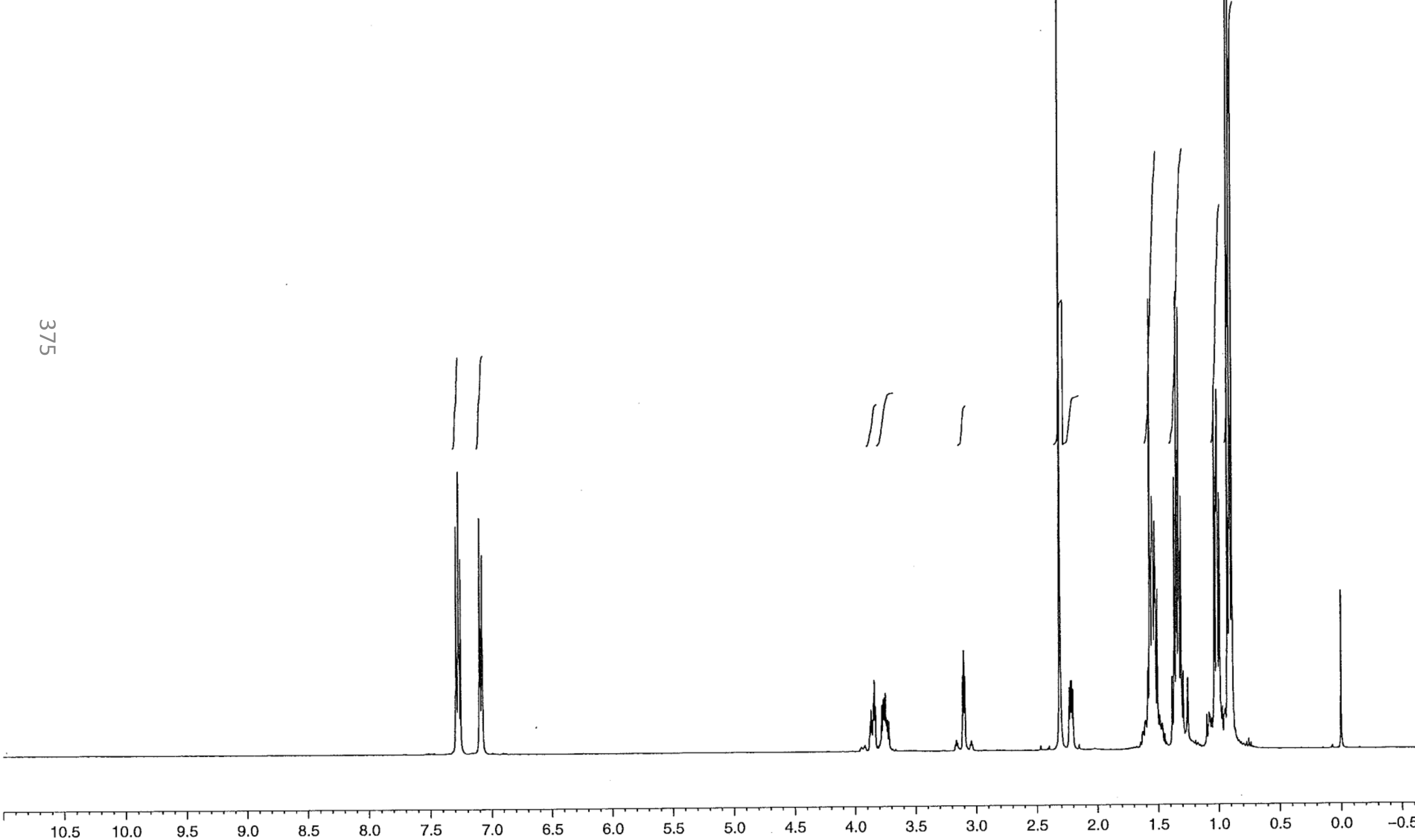
13C NMR: 100 MHz, CDCl3

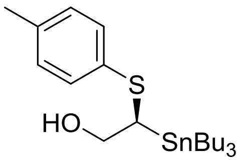


1H NMR: 400 MHz, CDCl3



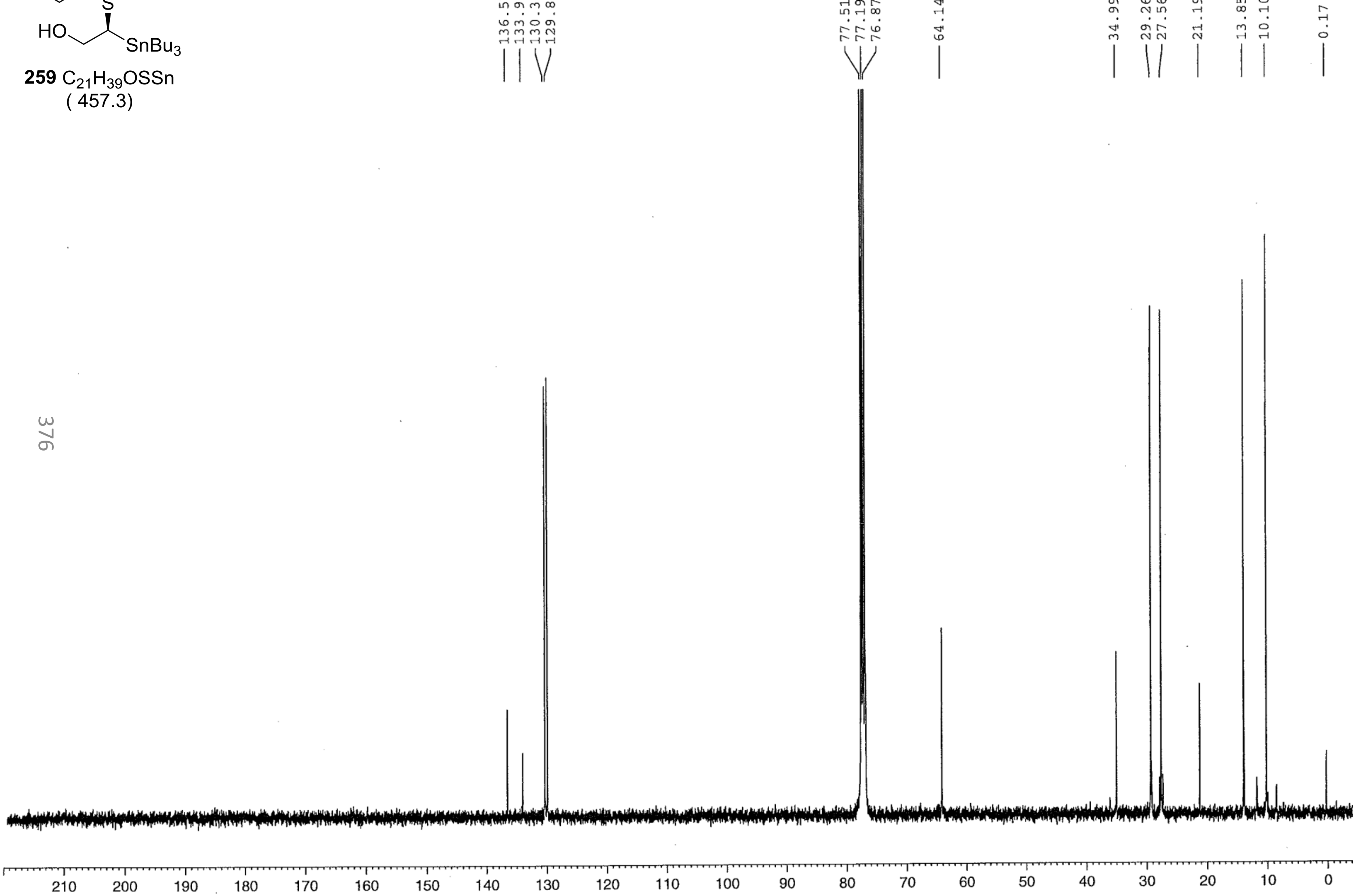
259 $C_{21}H_{39}OSSn$
(457.3)

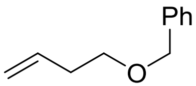




259 $C_{21}H_{39}OSSn$
(457.3)

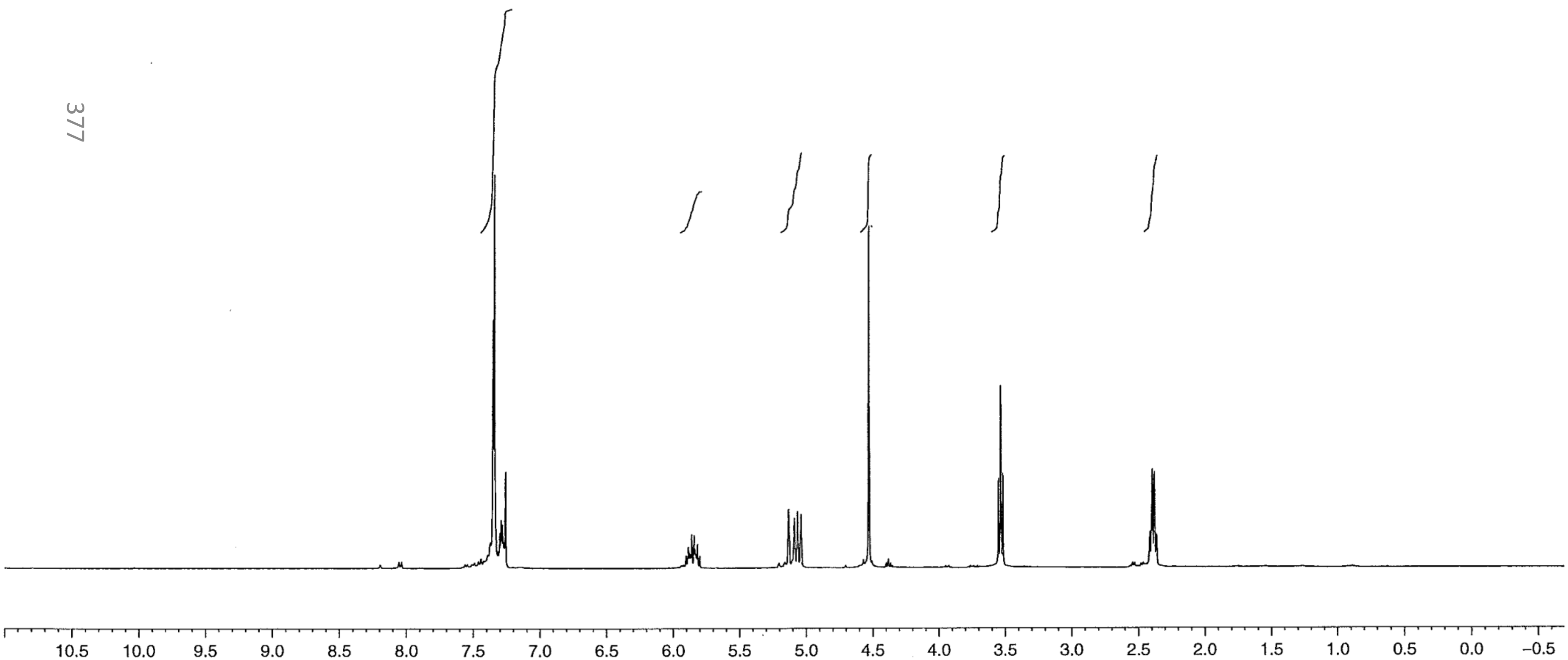
13C NMR: 100 MHz, CDCl3

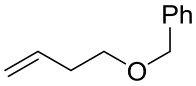




265 $C_{11}H_{14}O$
(162)

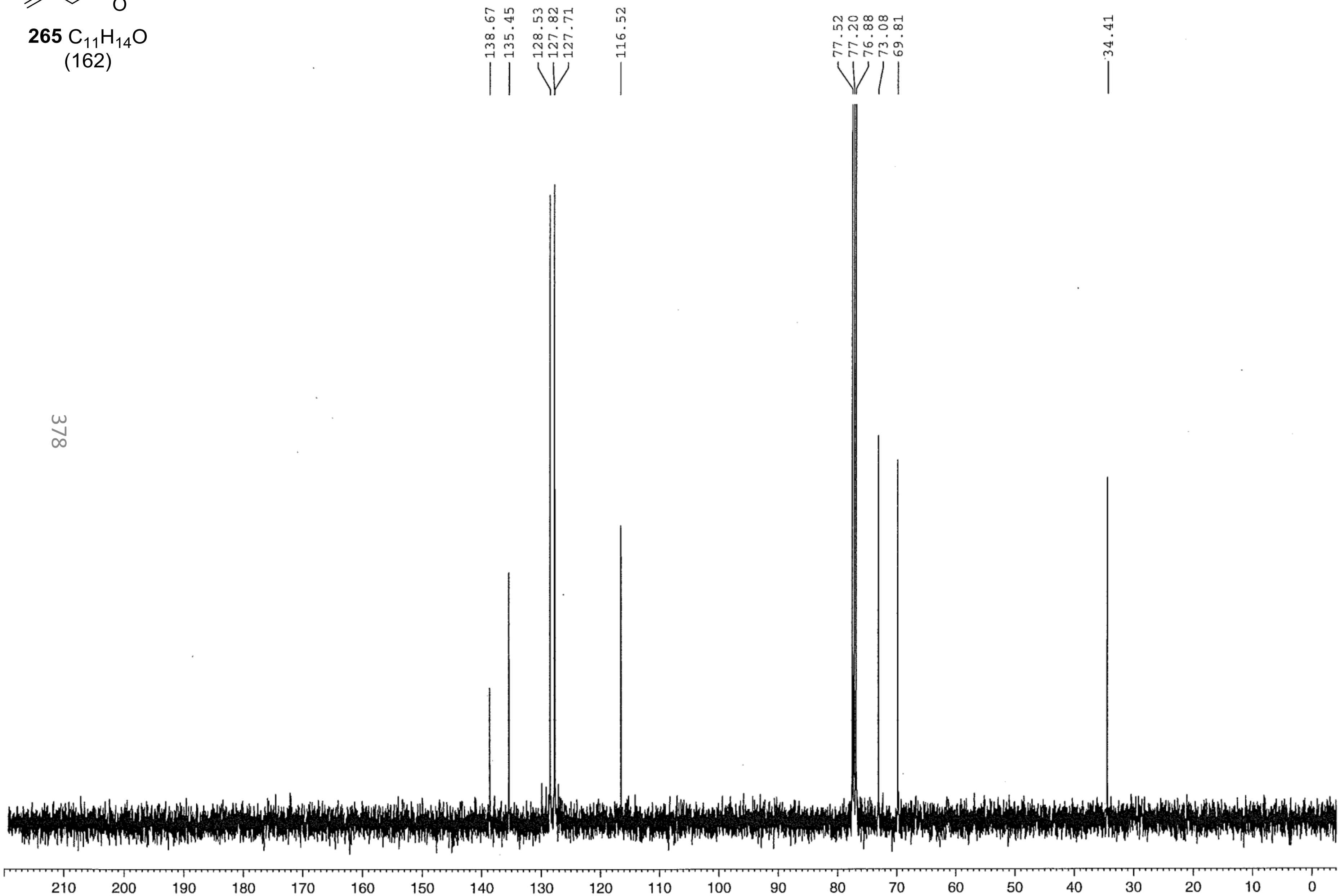
1H NMR: 400 MHz, CDCl3

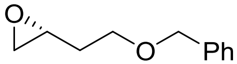




265 $C_{11}H_{14}O$
(162)

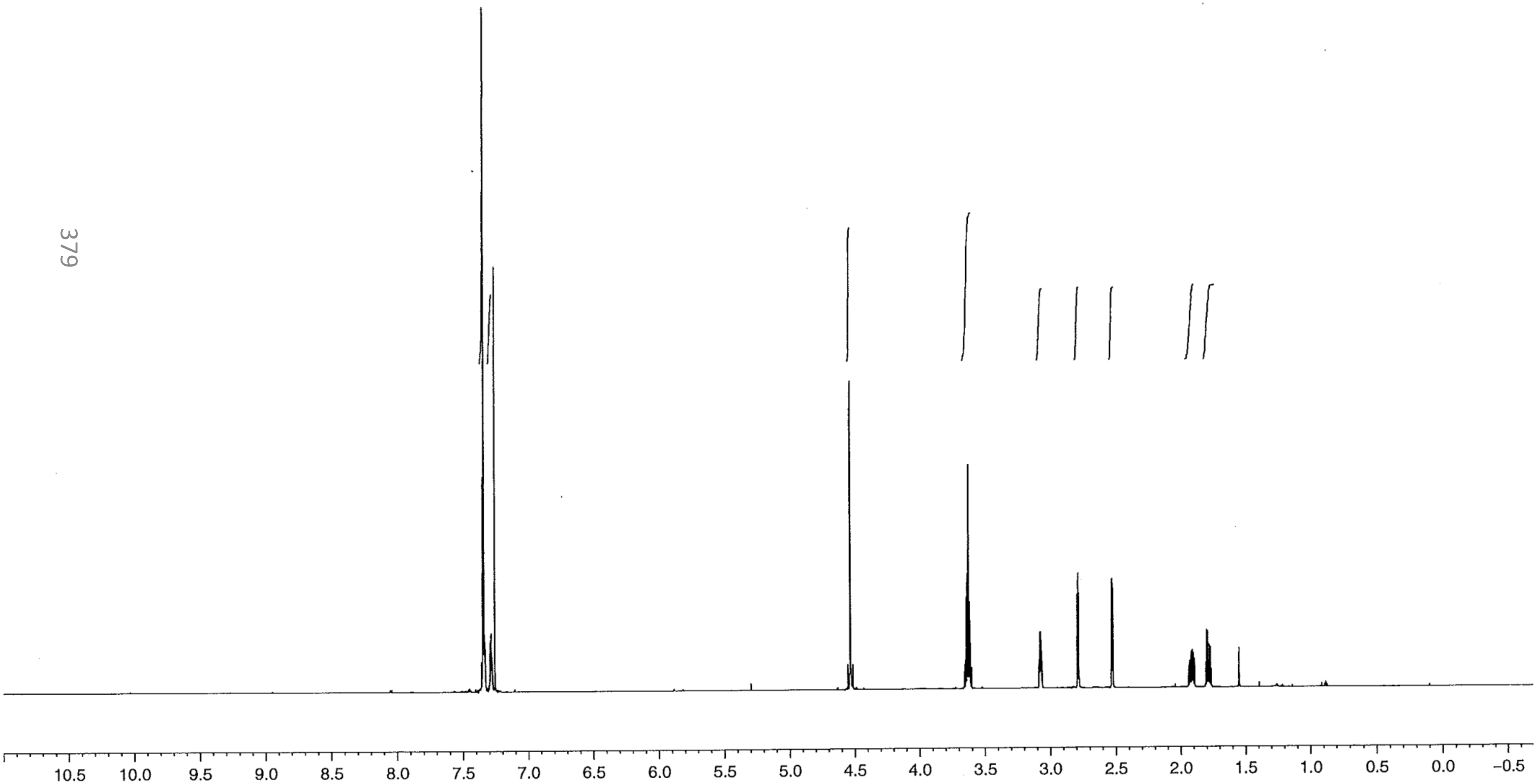
13C NMR: 100 MHz, CDCl3

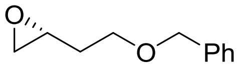




269 $C_{11}H_{14}O_2$
(178.23)

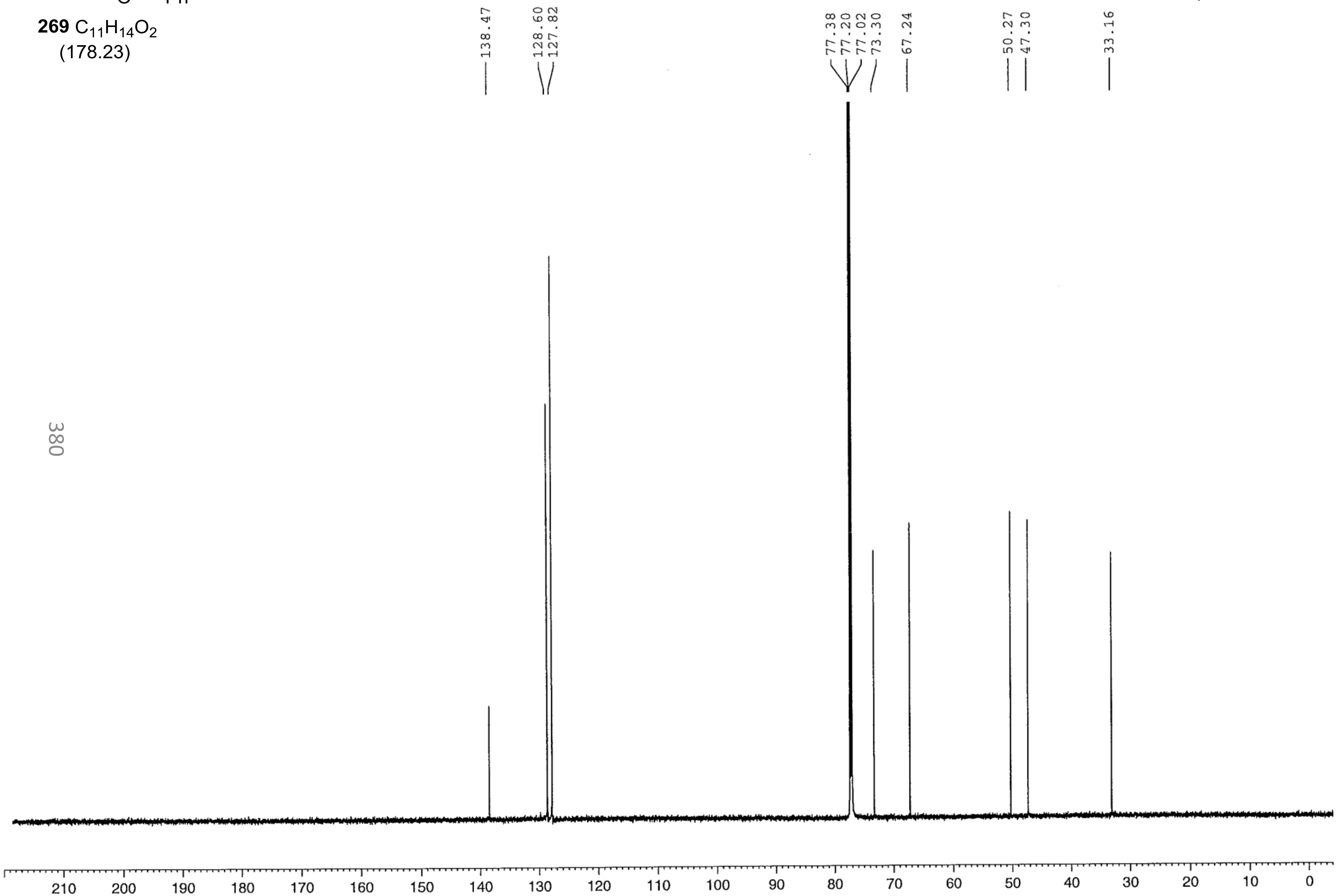
1H NMR: 700 MHz, CDCl3

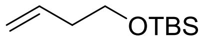




269 $C_{11}H_{14}O_2$
(178.23)

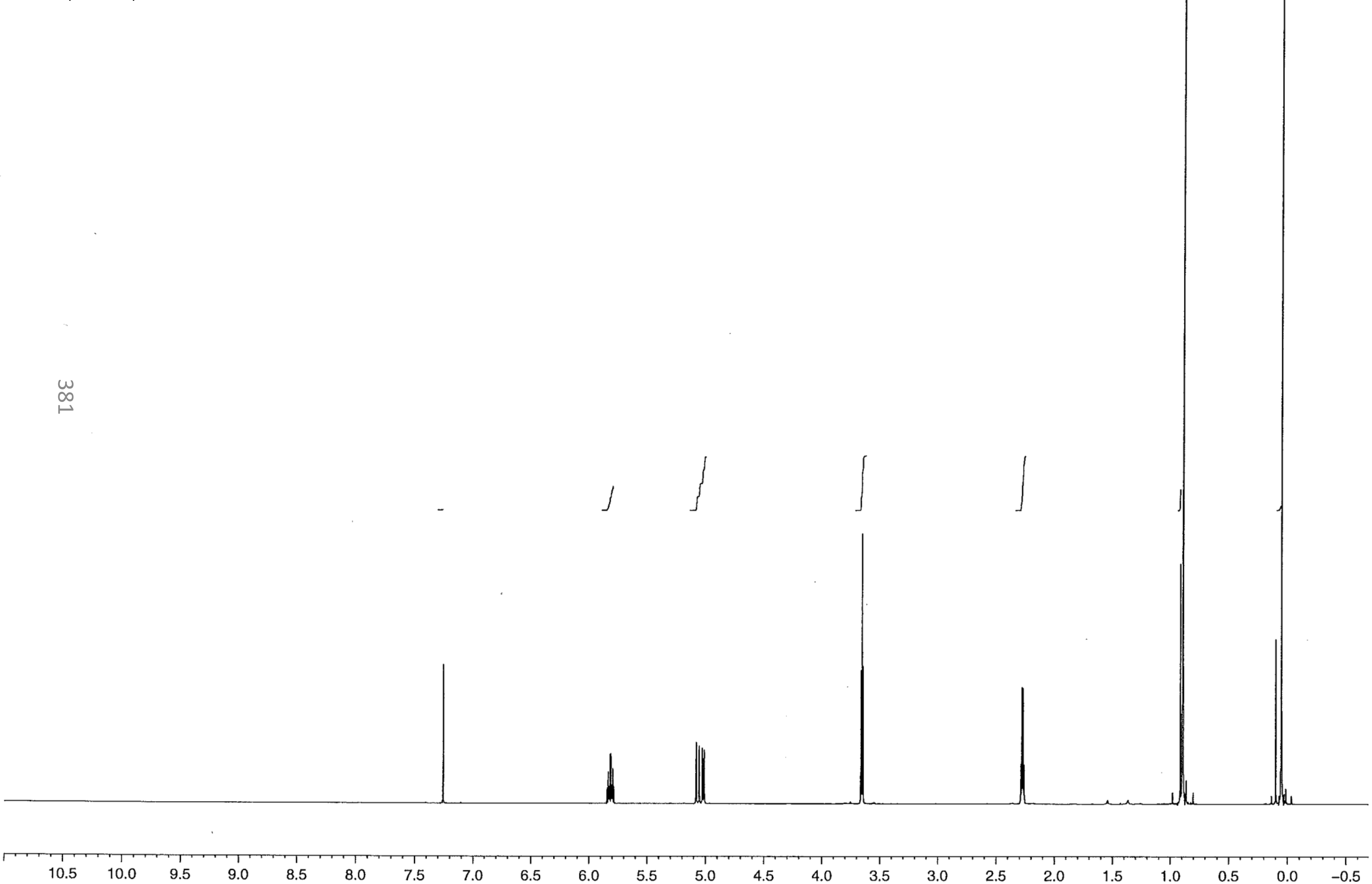
13C NMR: 175 MHz, CDCl3

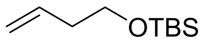




266 $C_{10}H_{22}OSi$
(186.14)

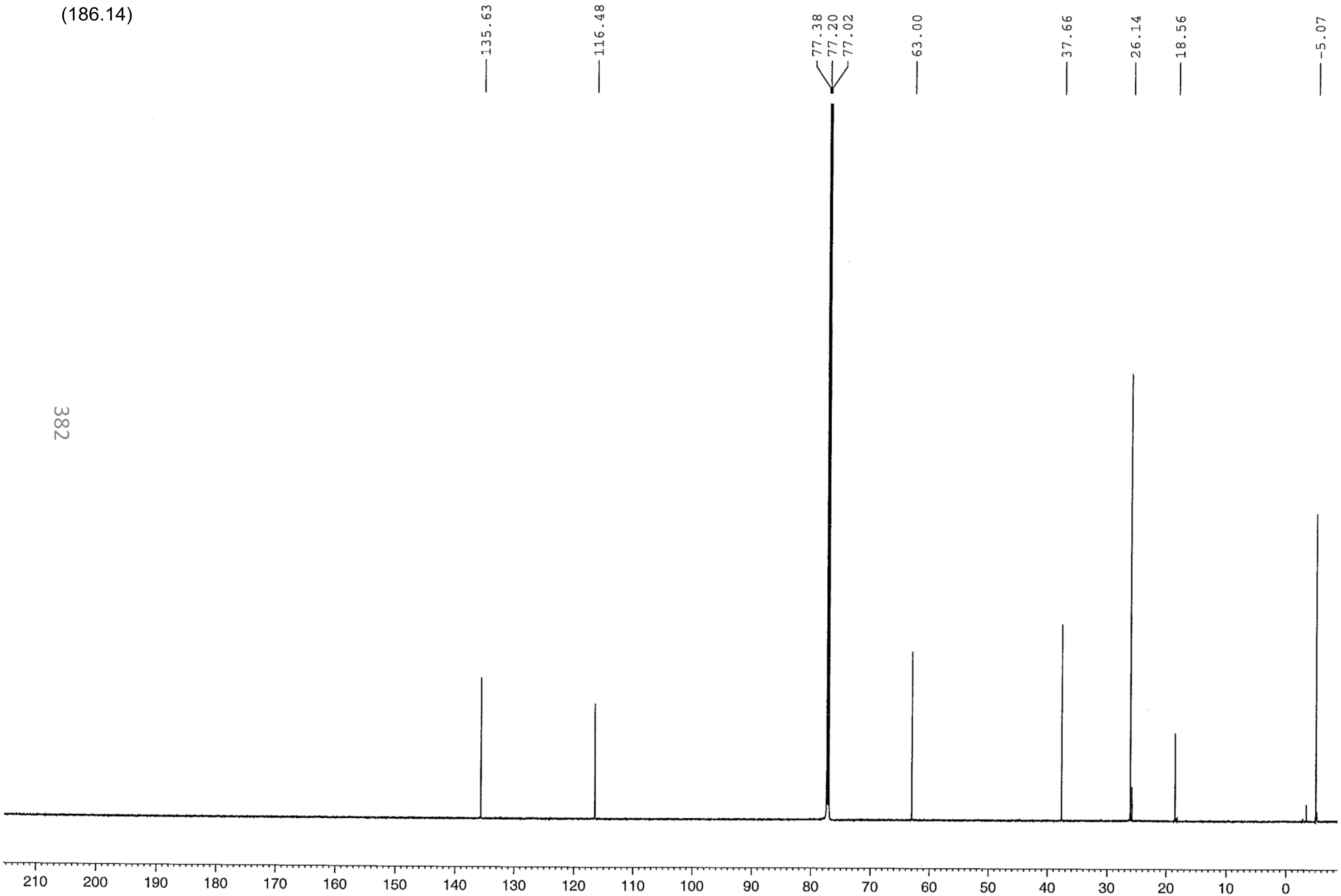
1H NMR: 700 MHz, CDCl3

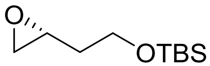




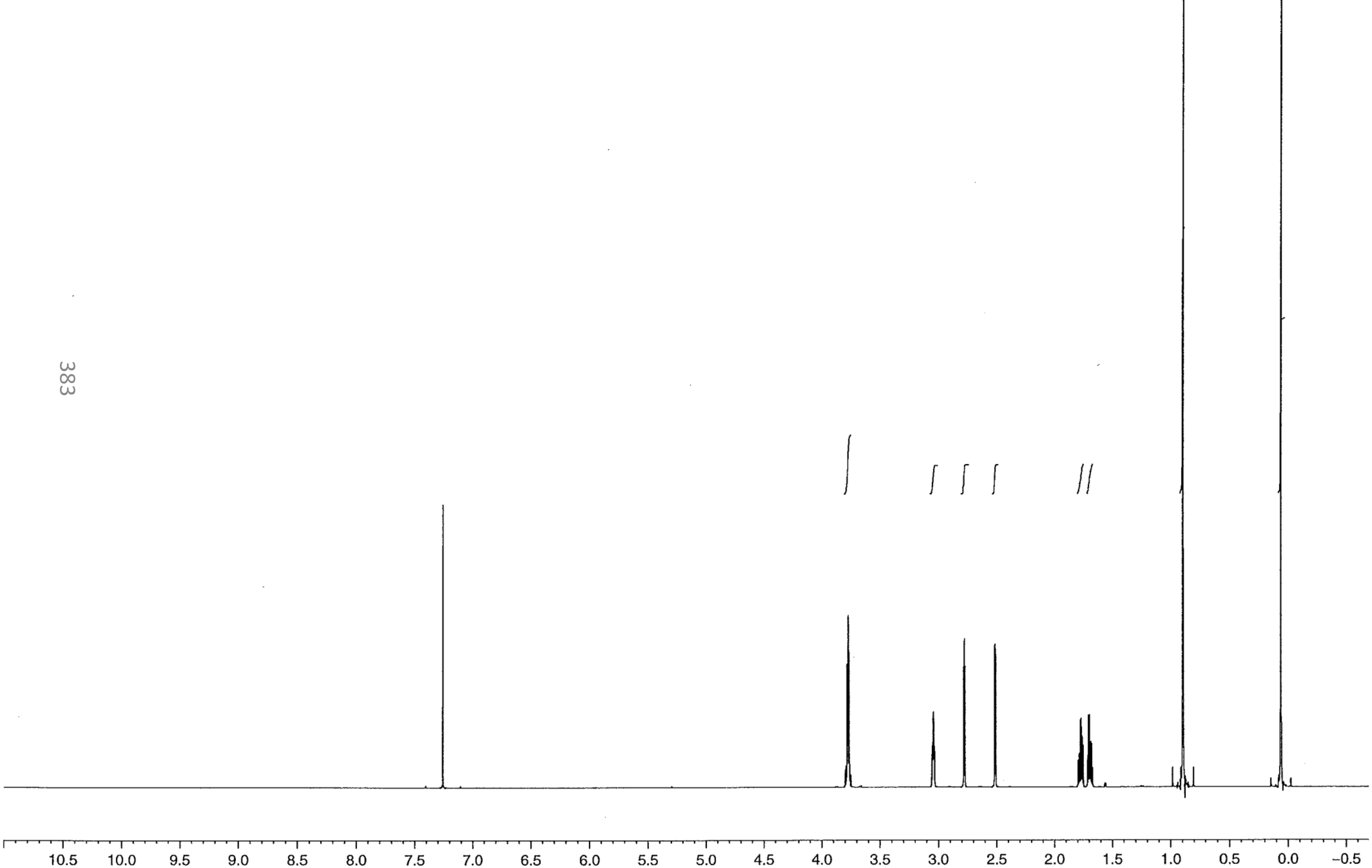
266 $C_{10}H_{22}OSi$
(186.14)

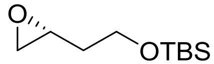
13C NMR: 175 MHz, CDCl3





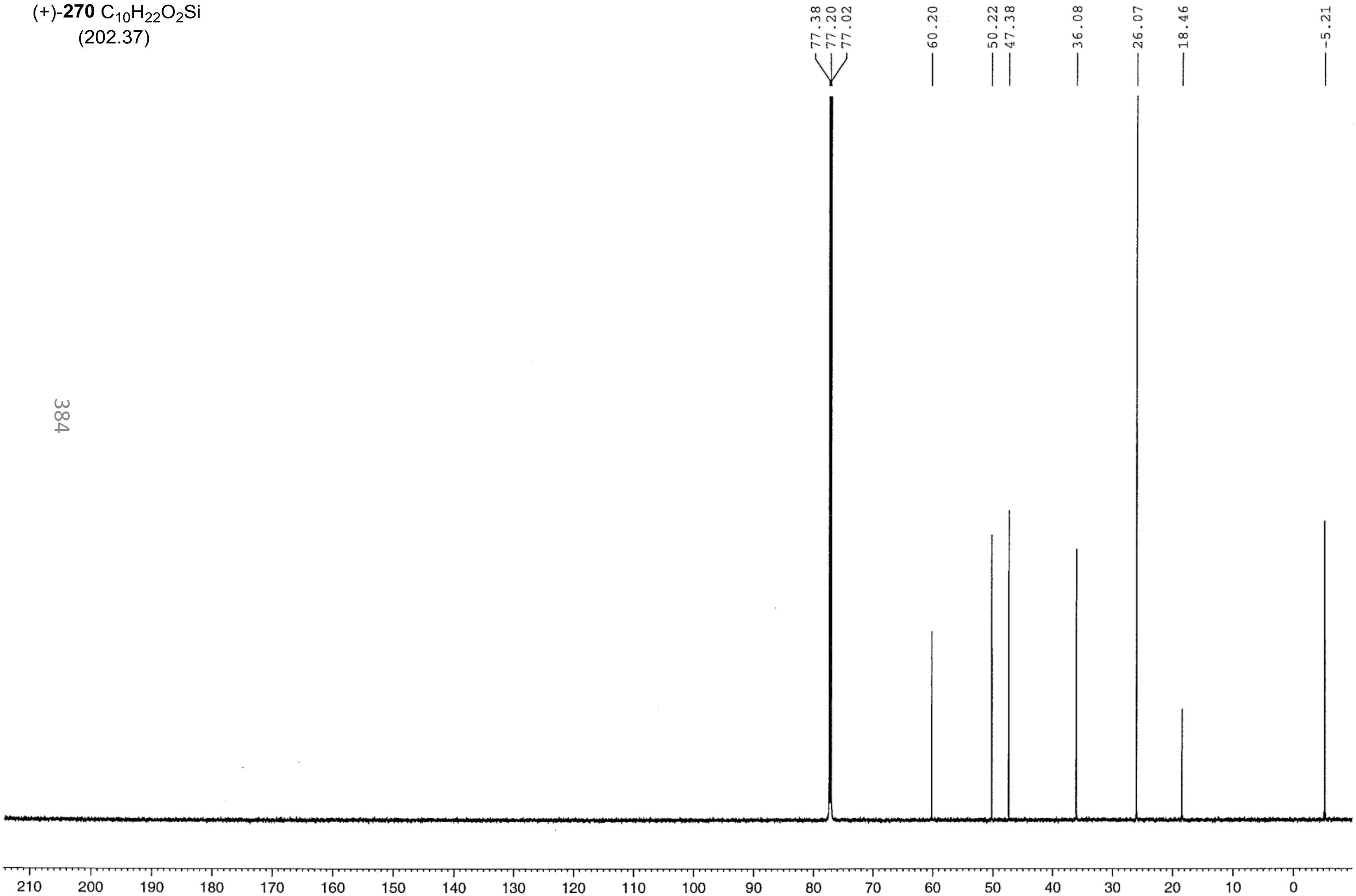
(+)-**270** $C_{10}H_{22}O_2Si$
(202.37)

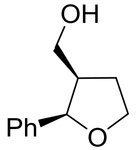




(+)-**270** $C_{10}H_{22}O_2Si$
(202.37)

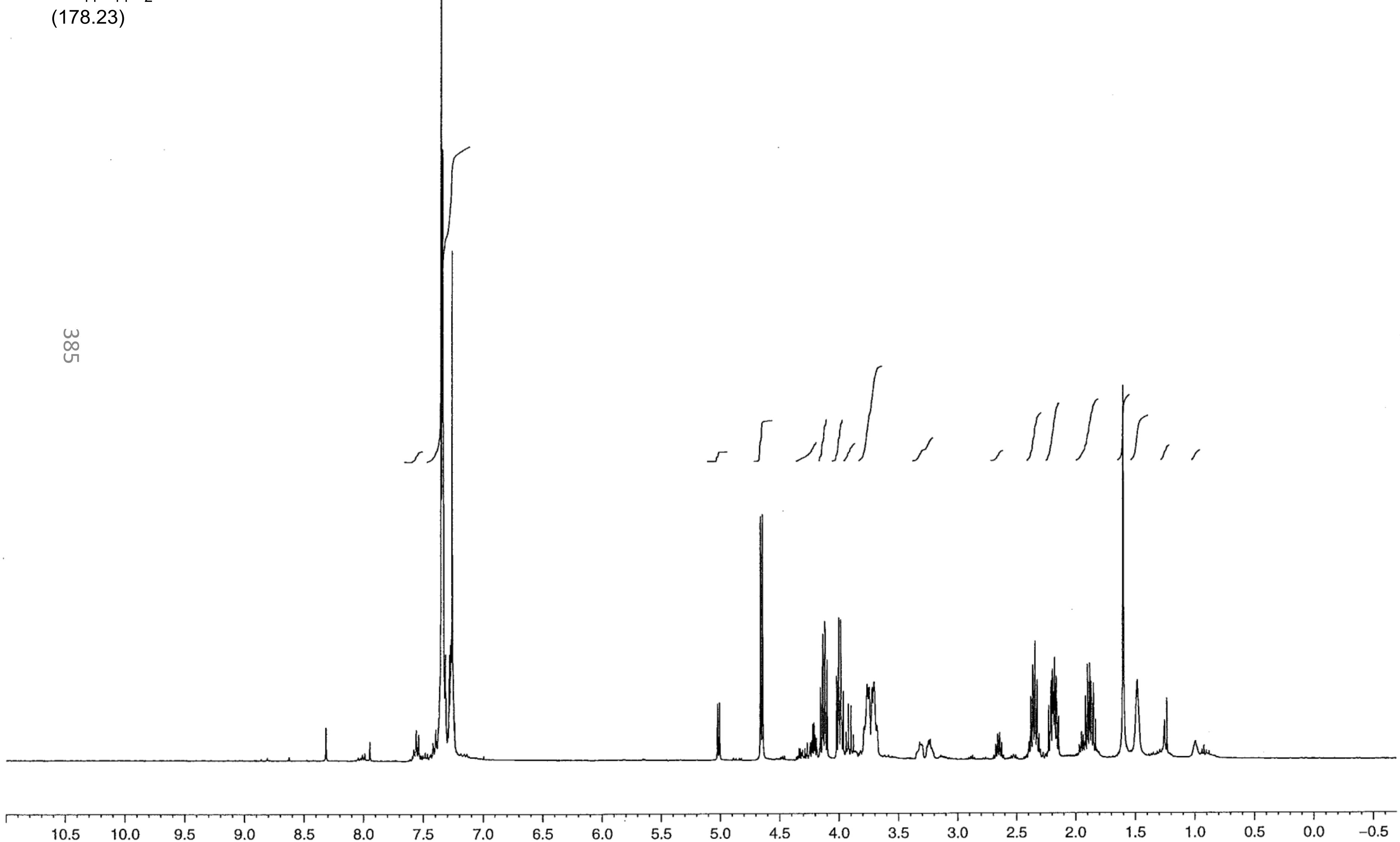
13C NMR: 175 MHz, CDCl3

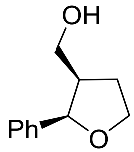




271 $C_{11}H_{14}O_2$
(178.23)

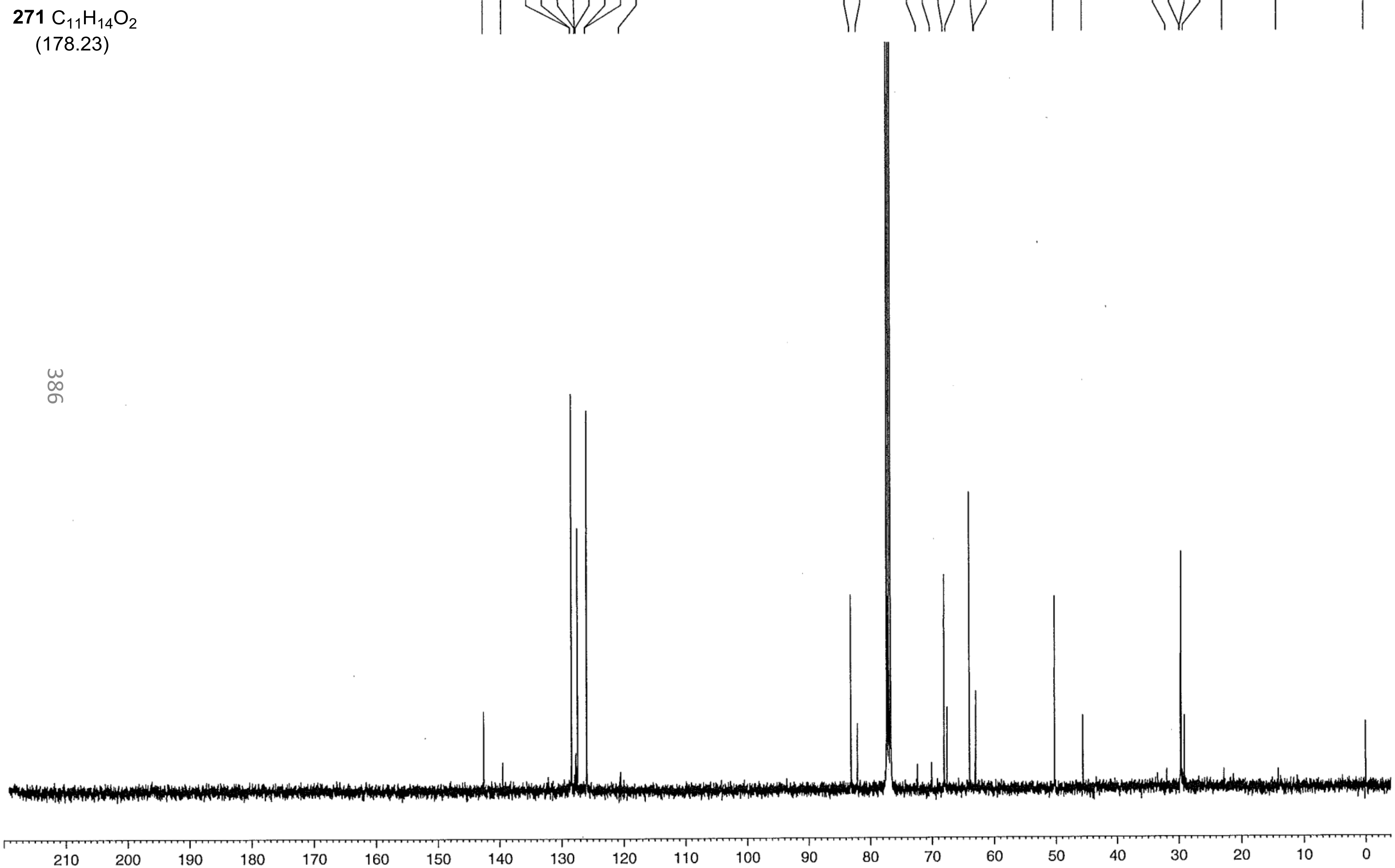
1H NMR: 400 MHz, CDCl3

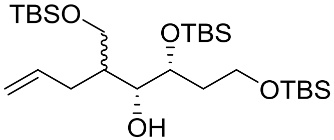




271 $C_{11}H_{14}O_2$
(178.23)

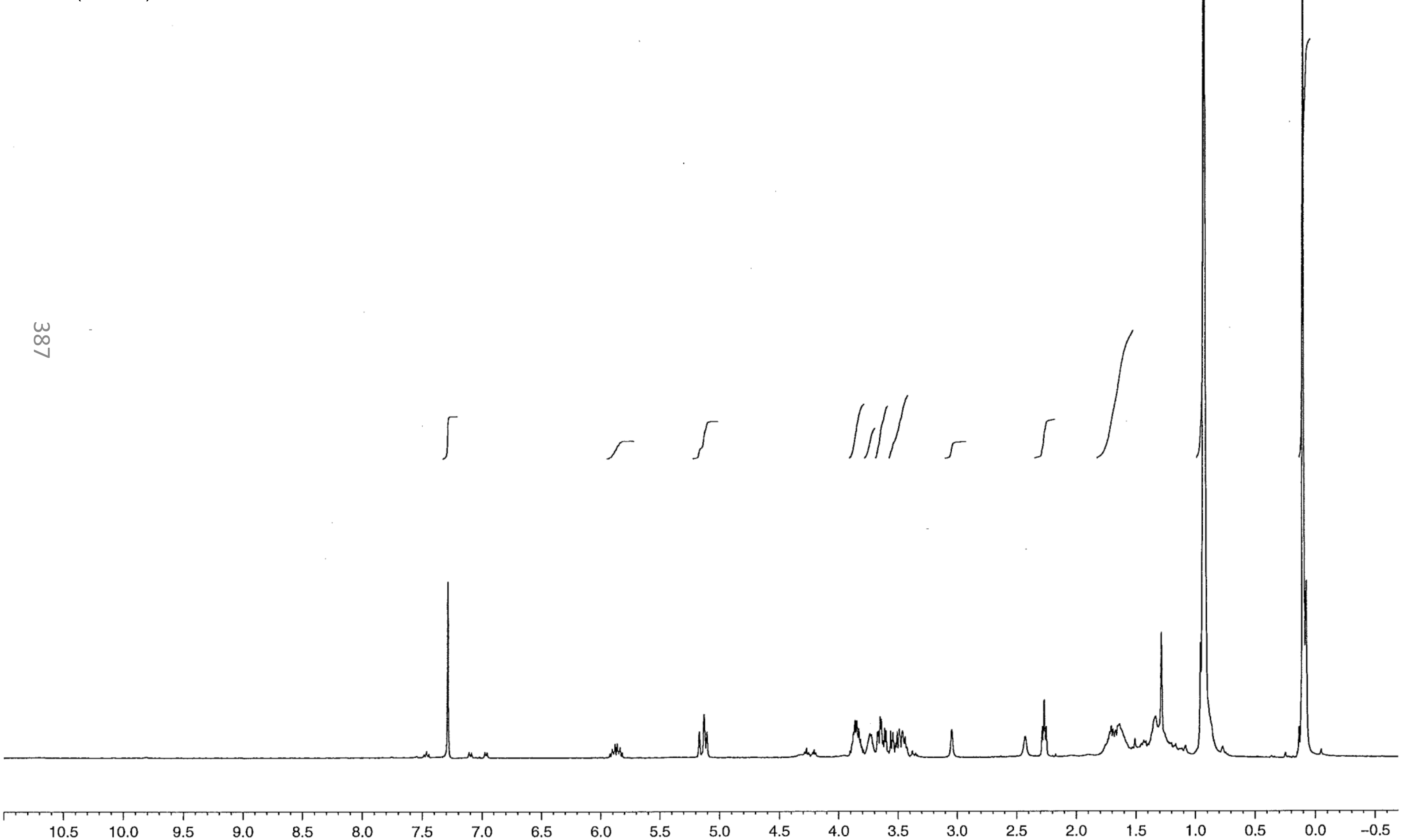
13C NMR: 100 MHz, CDCl3



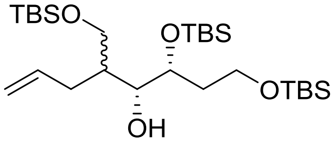


263 $C_{27}H_{60}O_4Si_3$
(533.03)

1H NMR: 400 MHz, CDCl3



13C NMR: 100 MHz, CDCl3



263 $C_{27}H_{60}O_4Si_3$
(533.03)