Total Synthesis of (+)-Superstolide A

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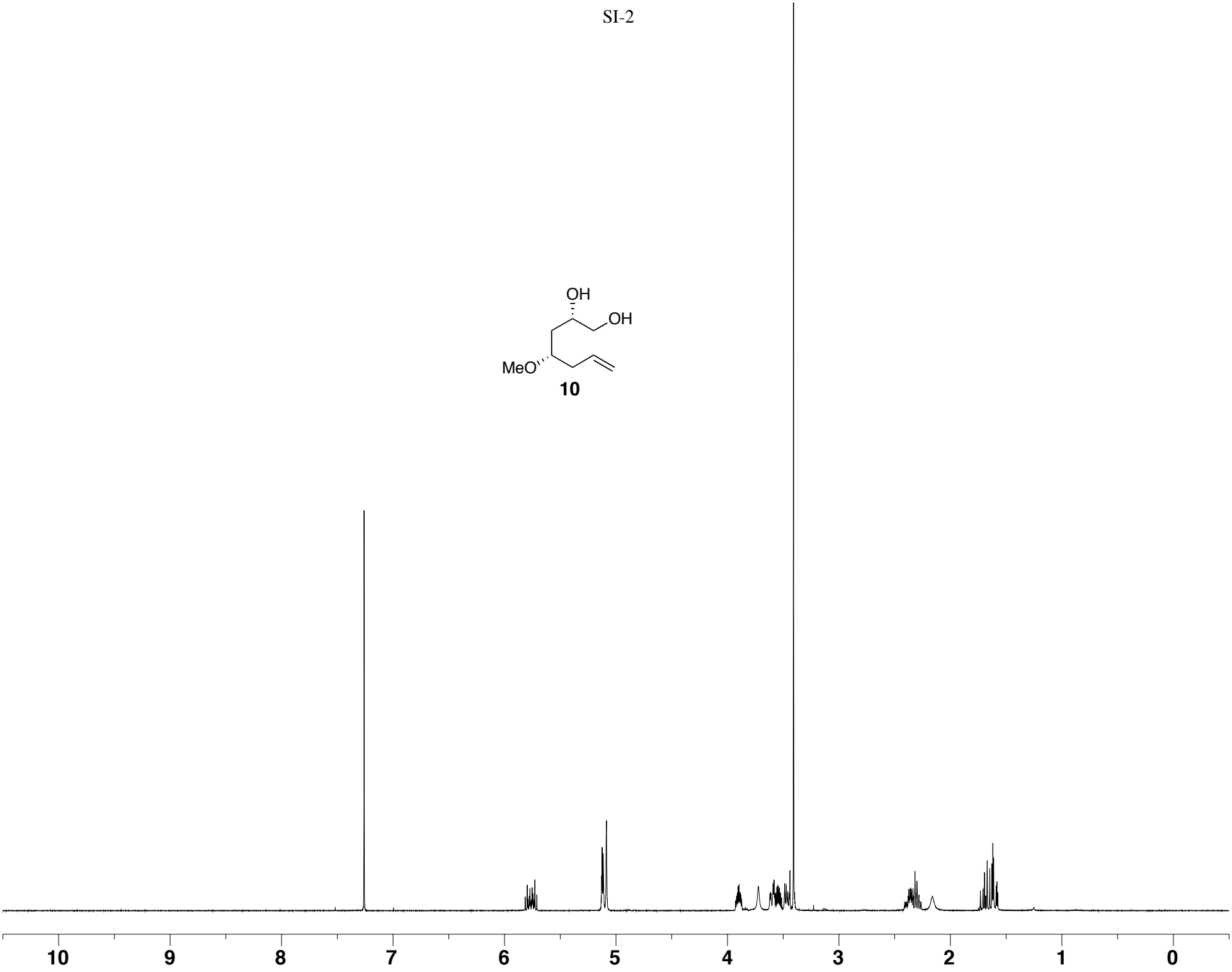
Supporting Information

Selected ^{1}H NMR and ^{13}C NMR Spectra for Key Compounds

10



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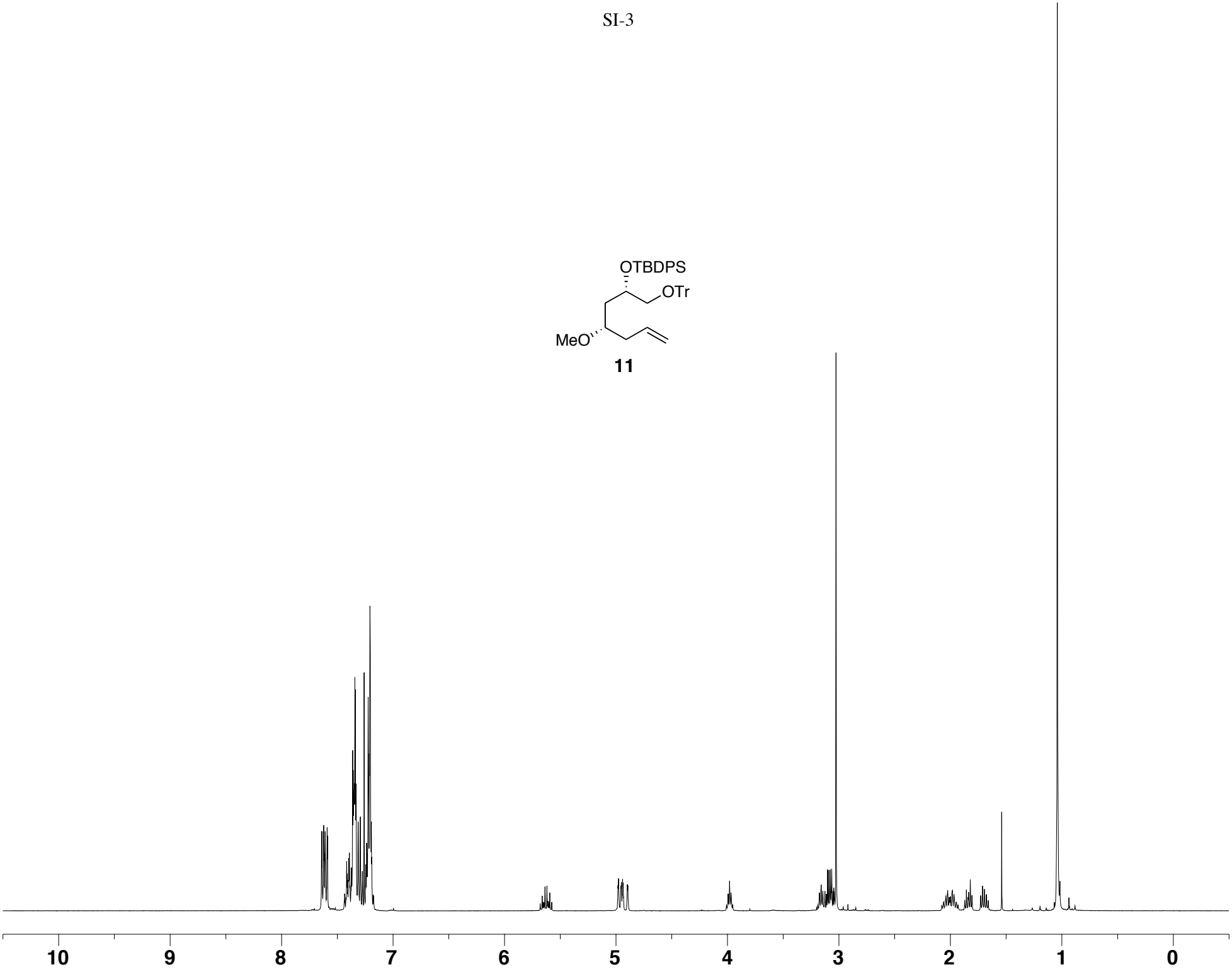

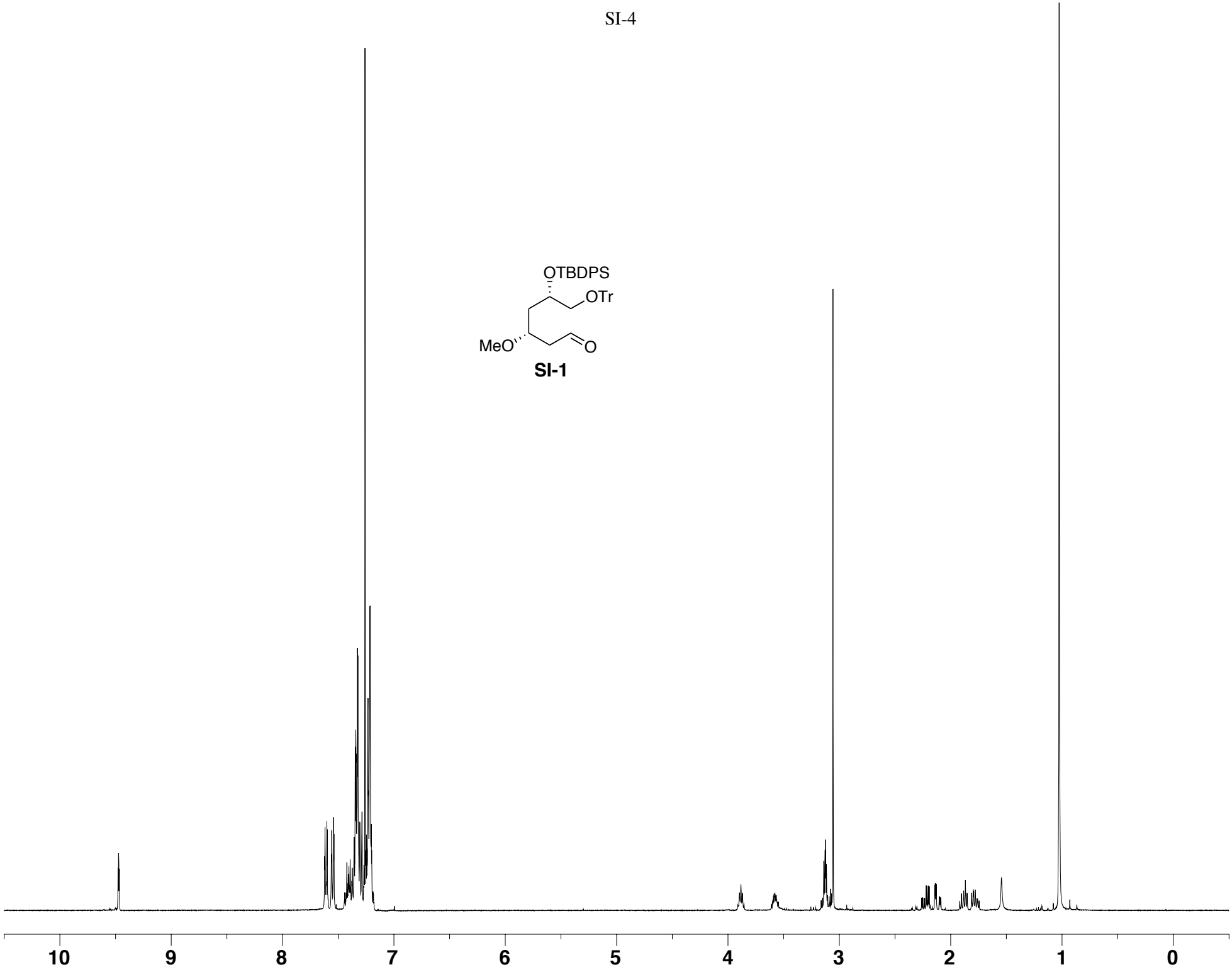
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OTr
MeO
O
SI-1
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9
8
7
6
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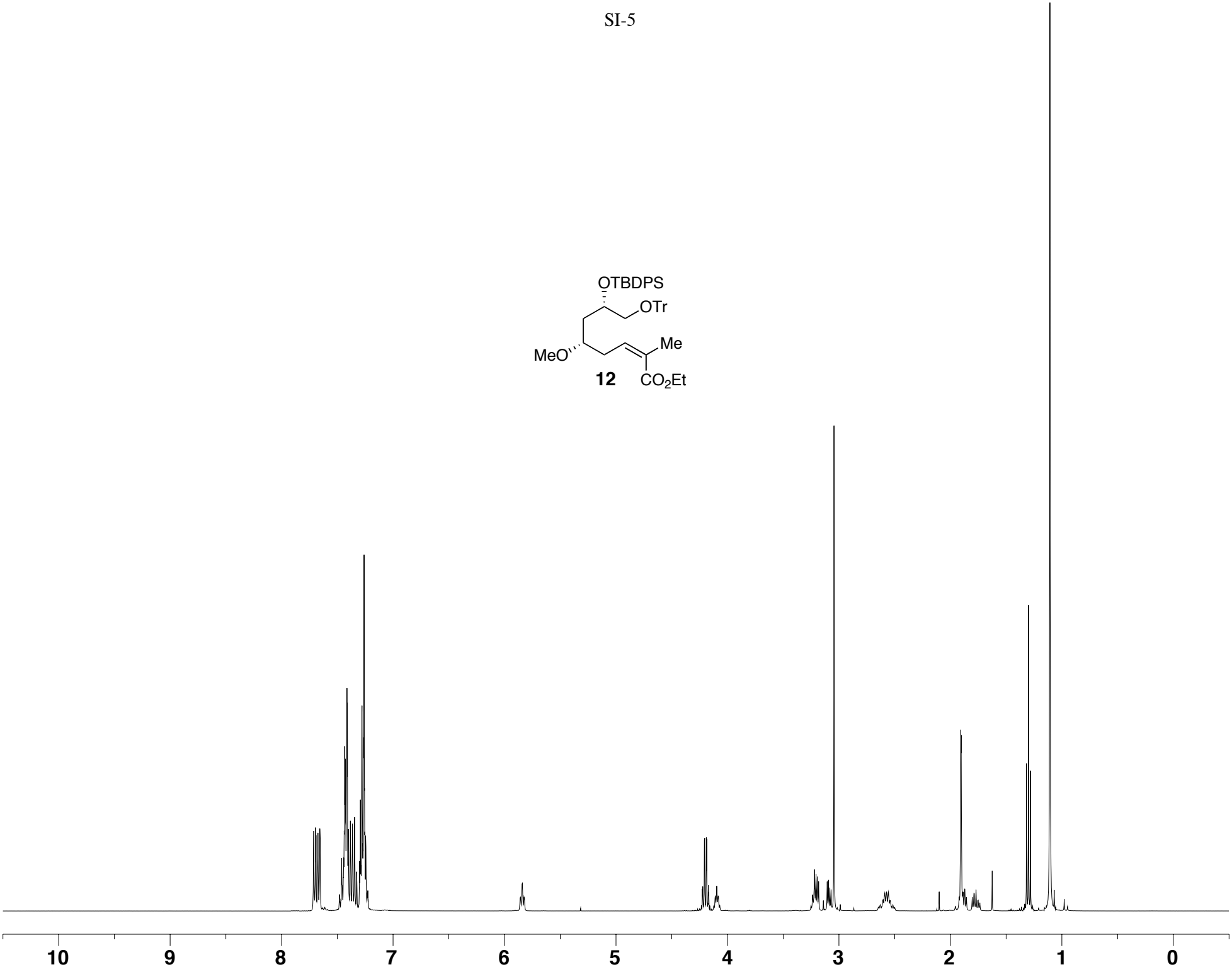
OTBDPS
OTr
Me
MeO
12
CO2Et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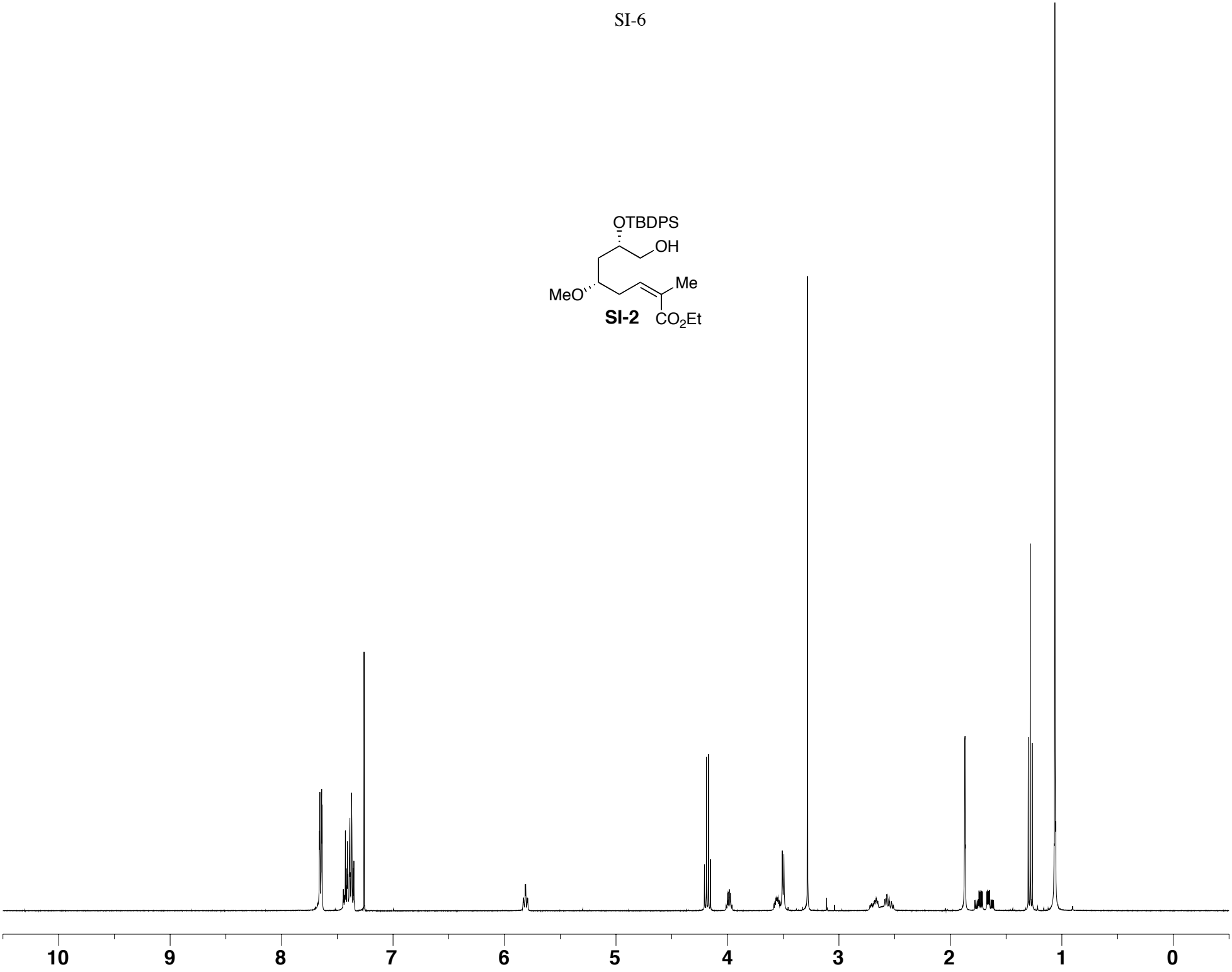
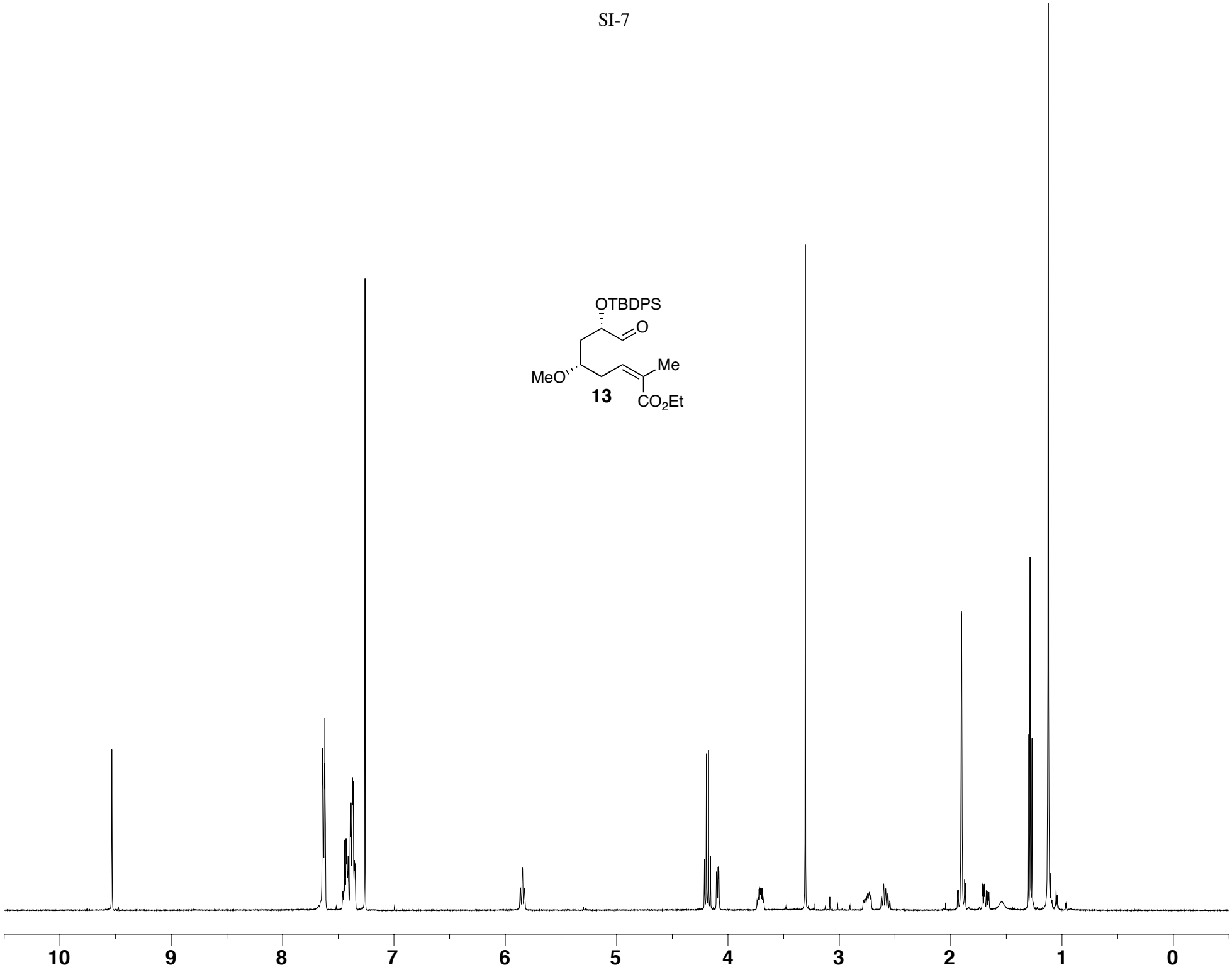
9
8
7
6
5
4
3
2
1
0

SI-2

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Me
MeO
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CO2Et
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7
6
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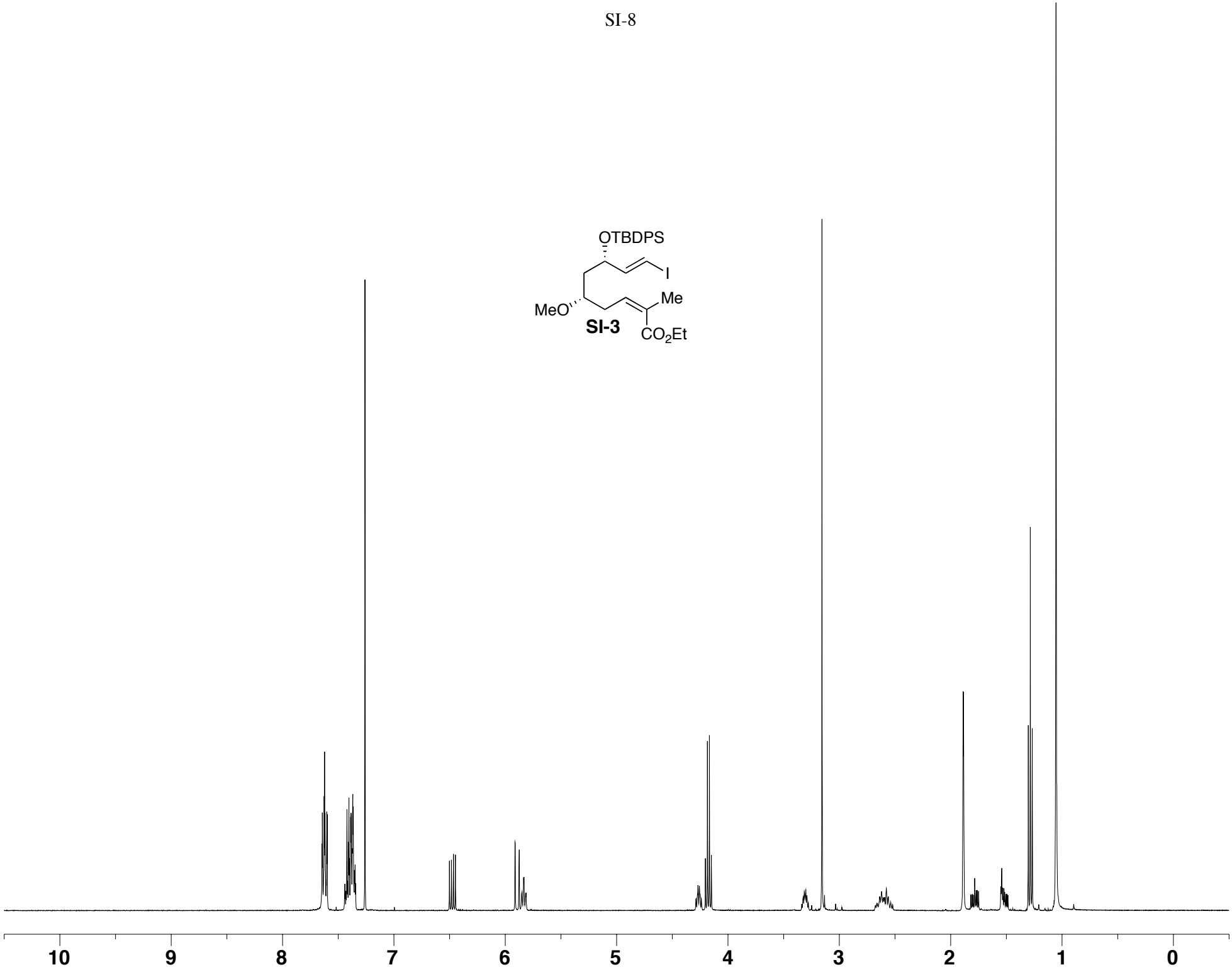
4
3
2
1
0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Me
MeO
SI-3
CO2Et
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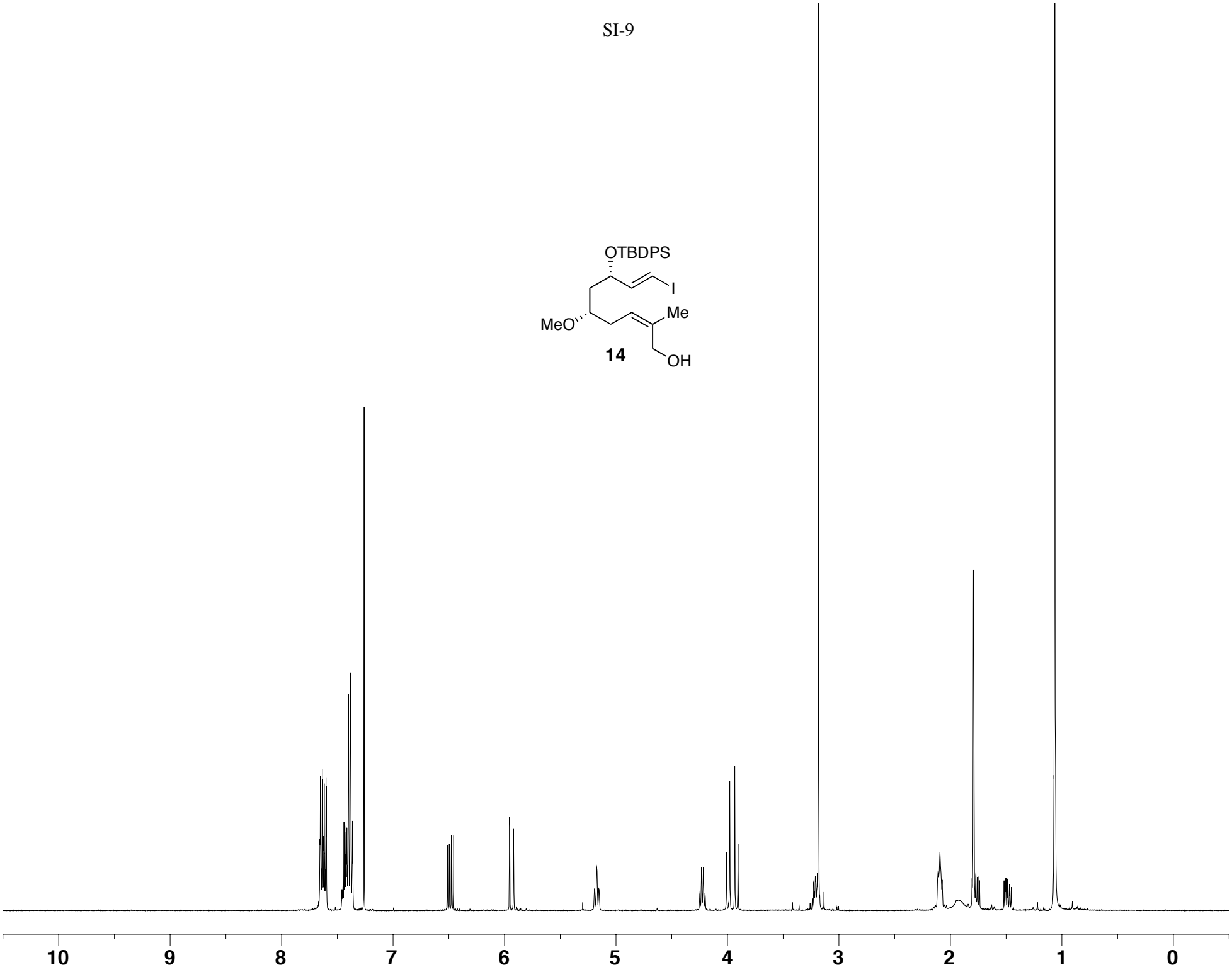
9
8
7
6
5
4
3
2
1
0

14



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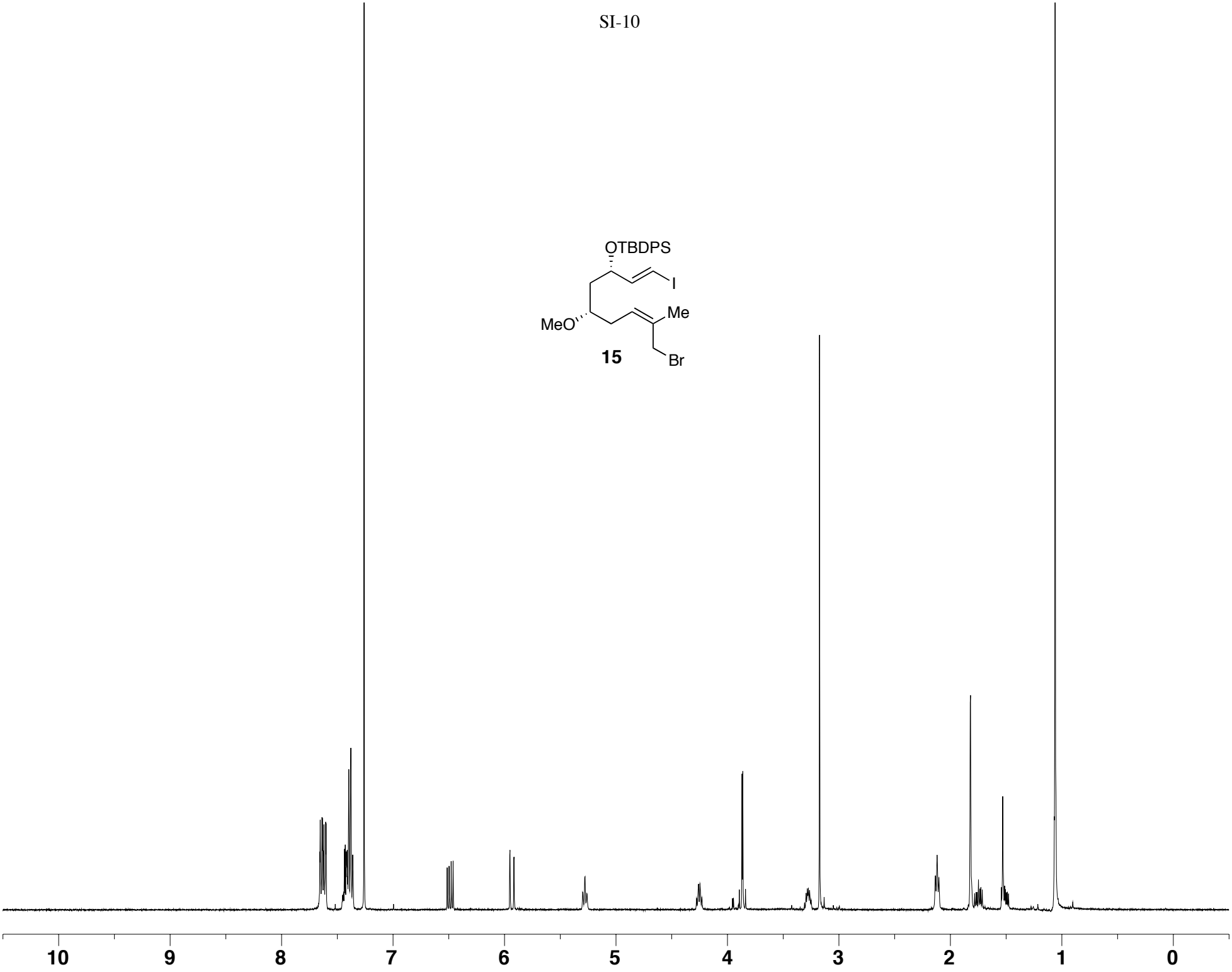

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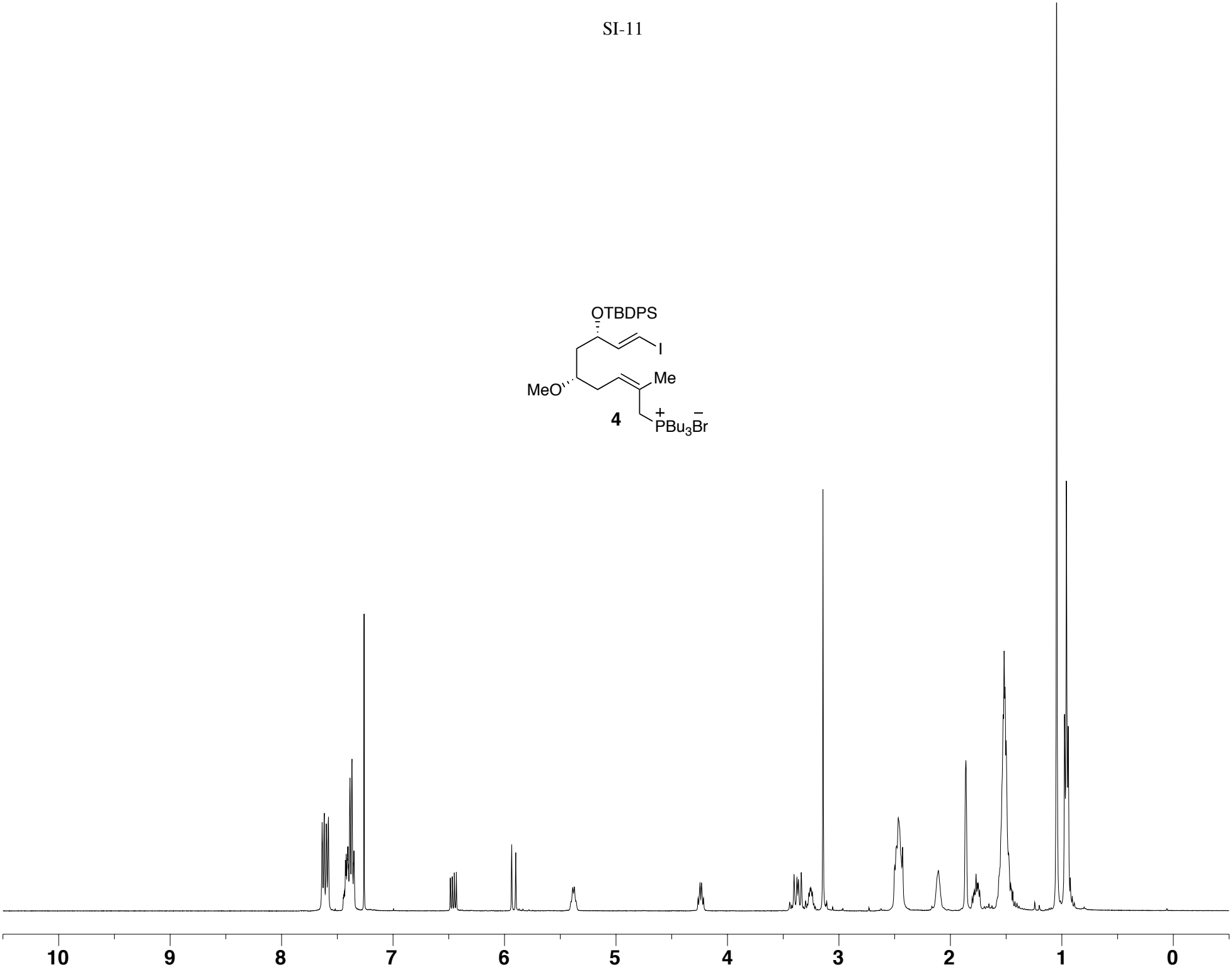
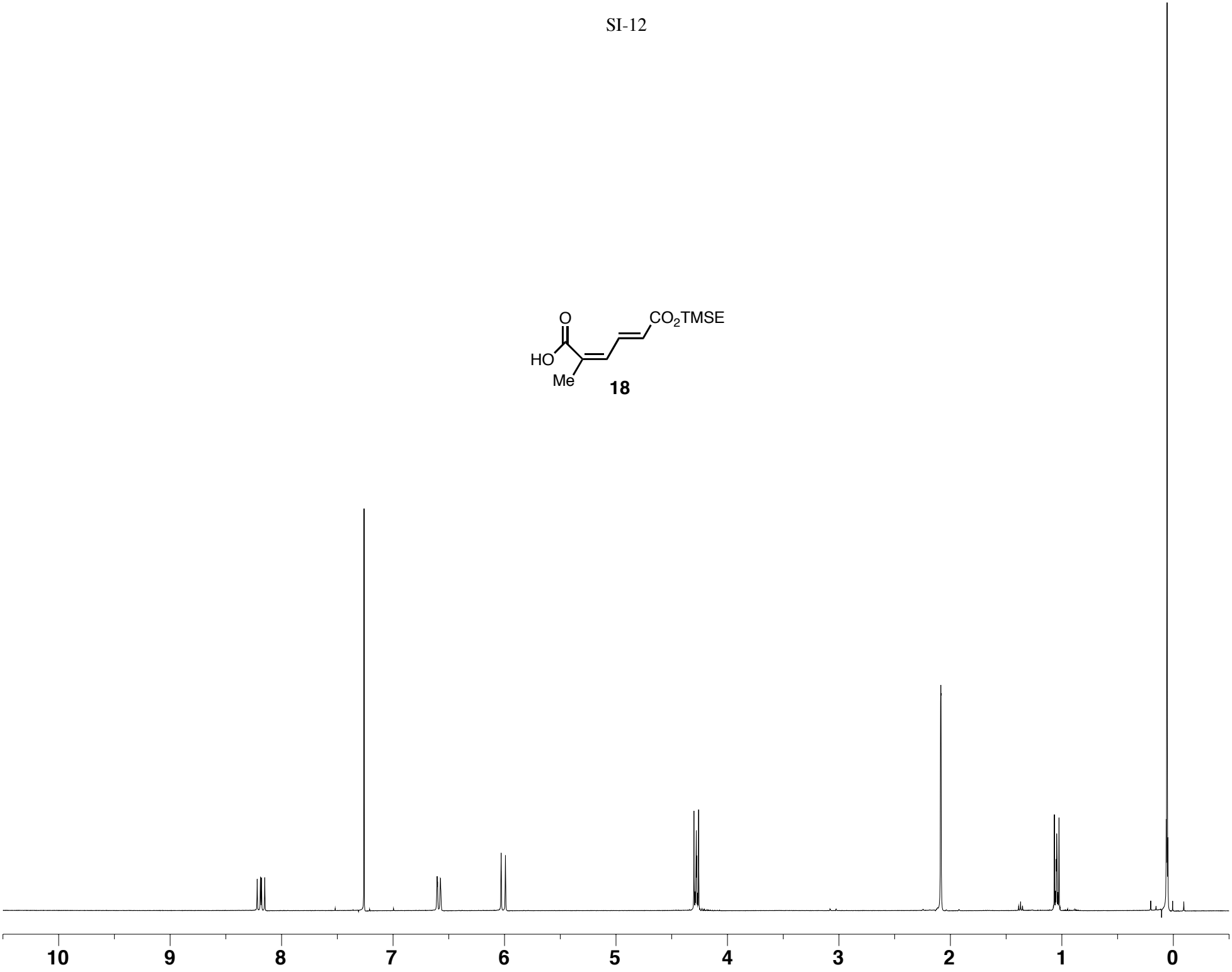
Me
MeO
4
PBu3Br


10
9
8
7
6
5
4
3
2
1
0

O
CO2TMSE
HO
Me
18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6
5
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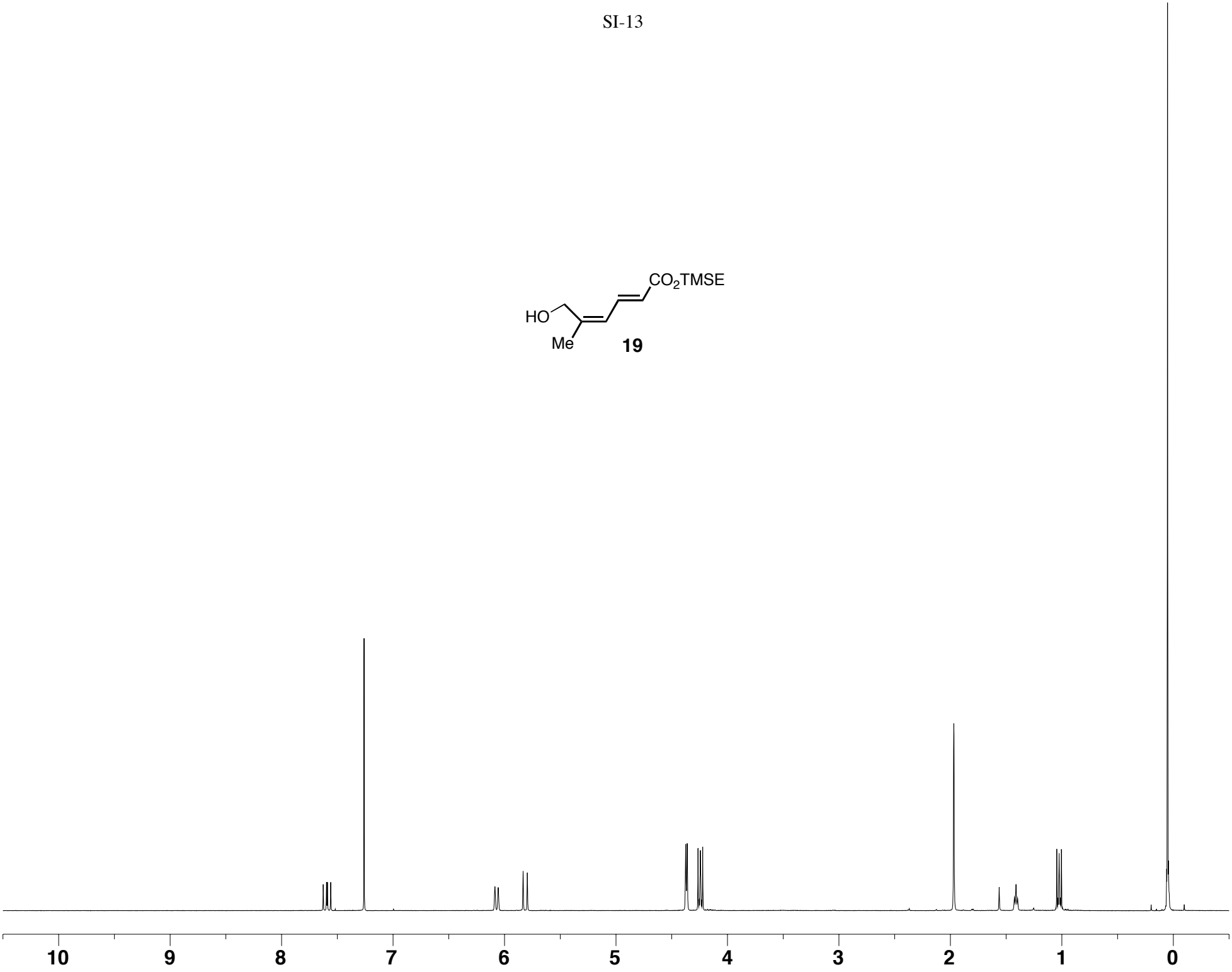
3
2
1
0

19



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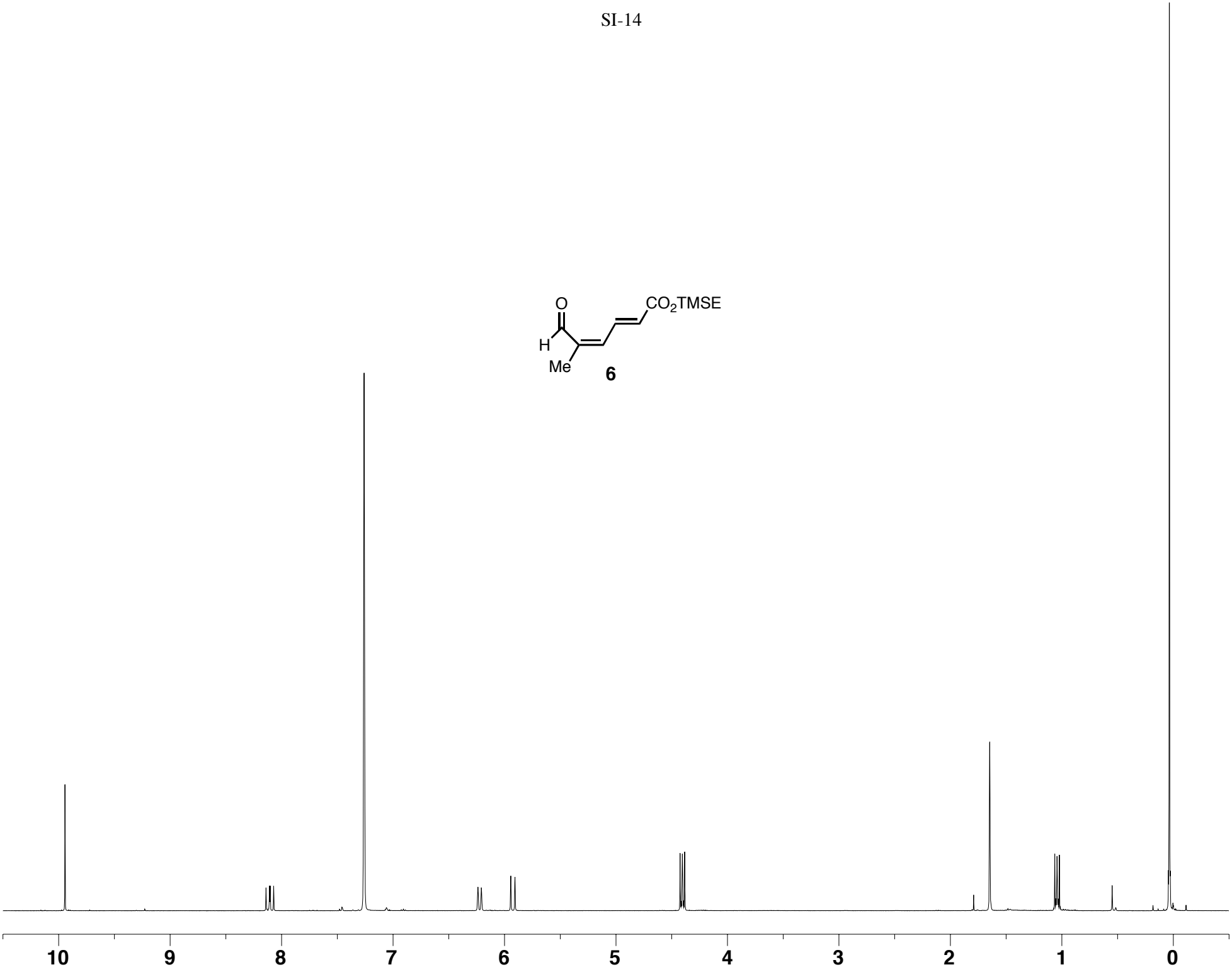

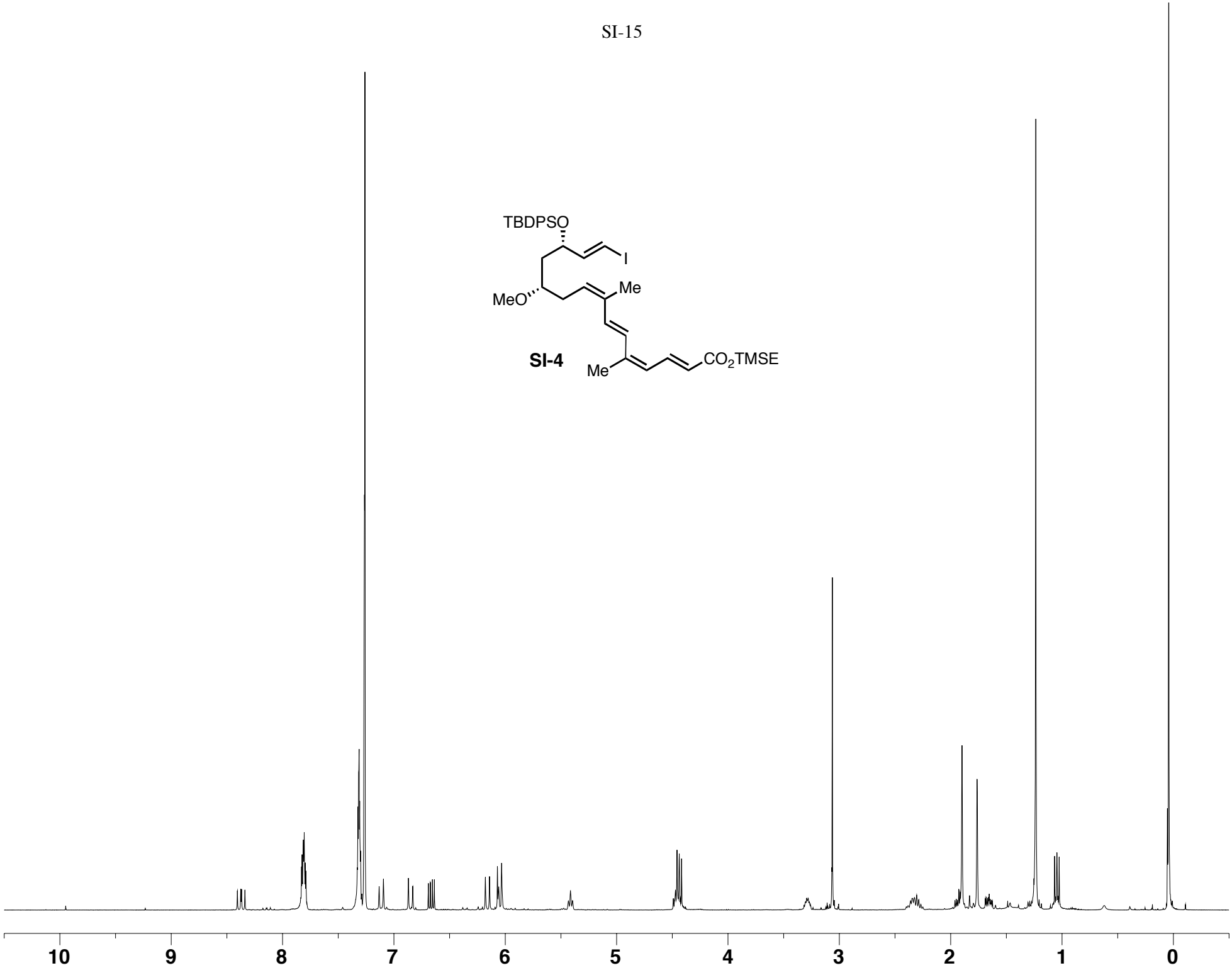
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Me
SI-4
Me
CO2TMSE
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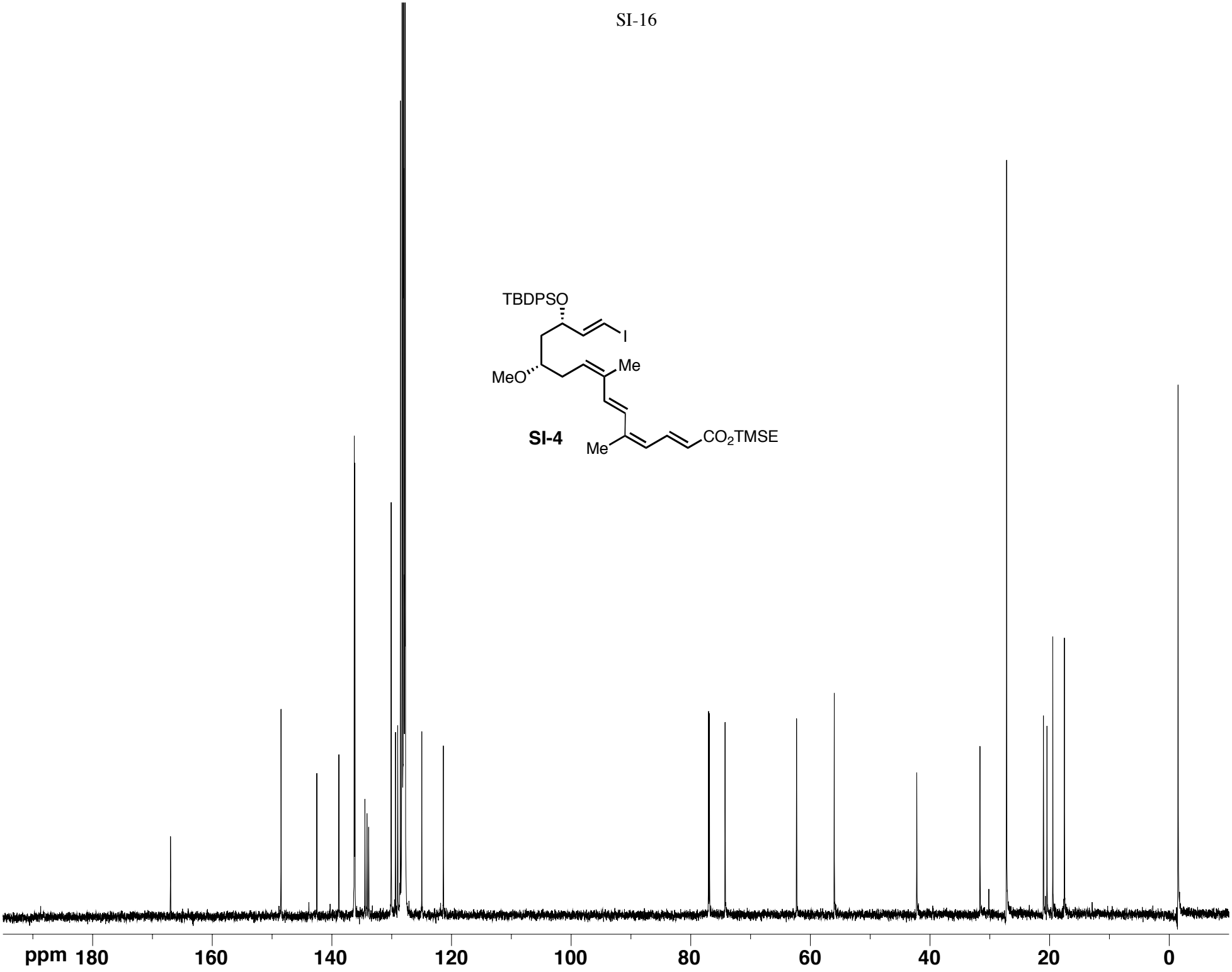
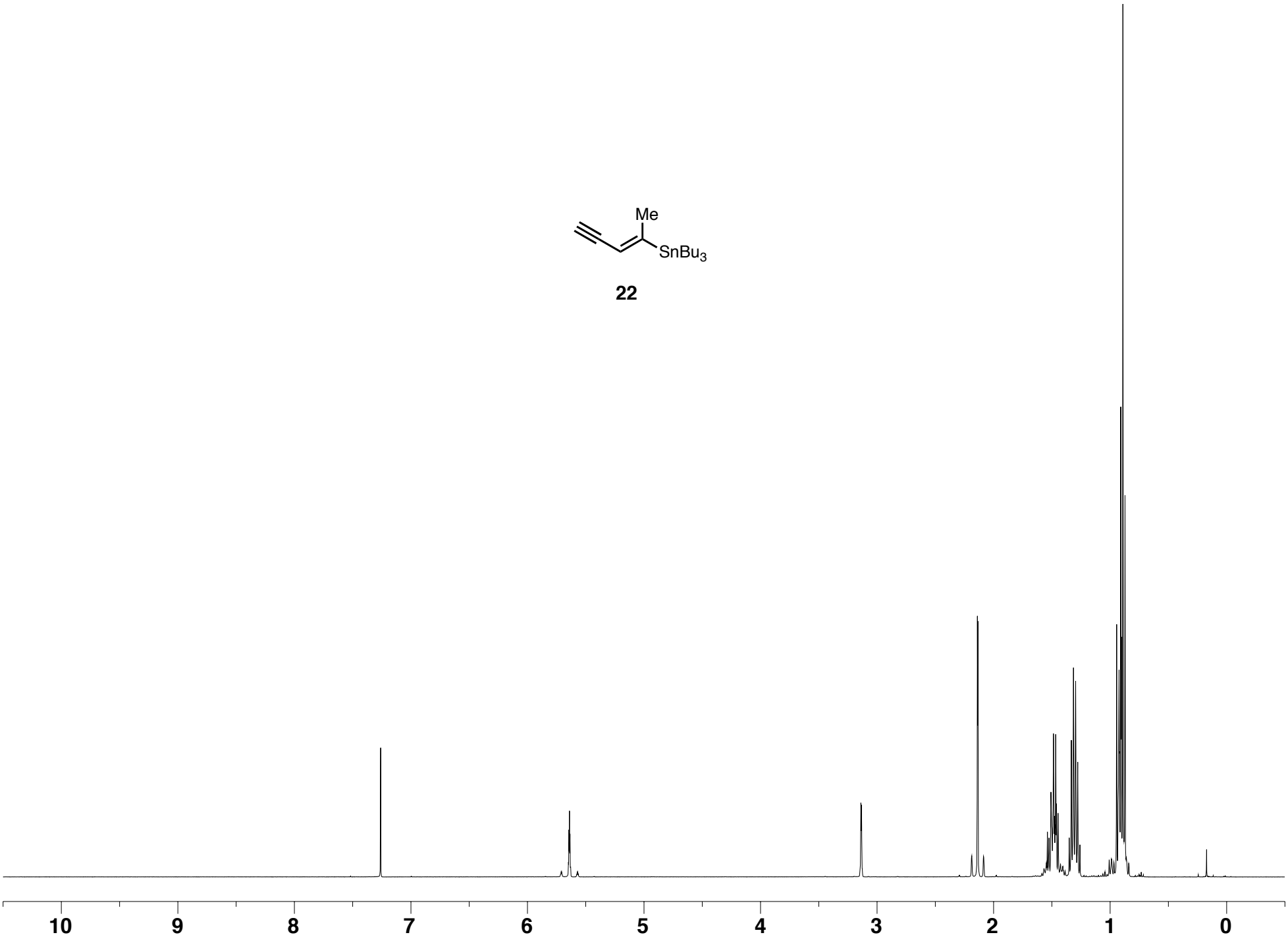
9
8
7
6
5
4
3
2
1
0


TBDPSO
I
MeO
Me
SI-4
Me
CO2TMSE
ppm 180
160
140
120
100
80
60
40
20
0

22



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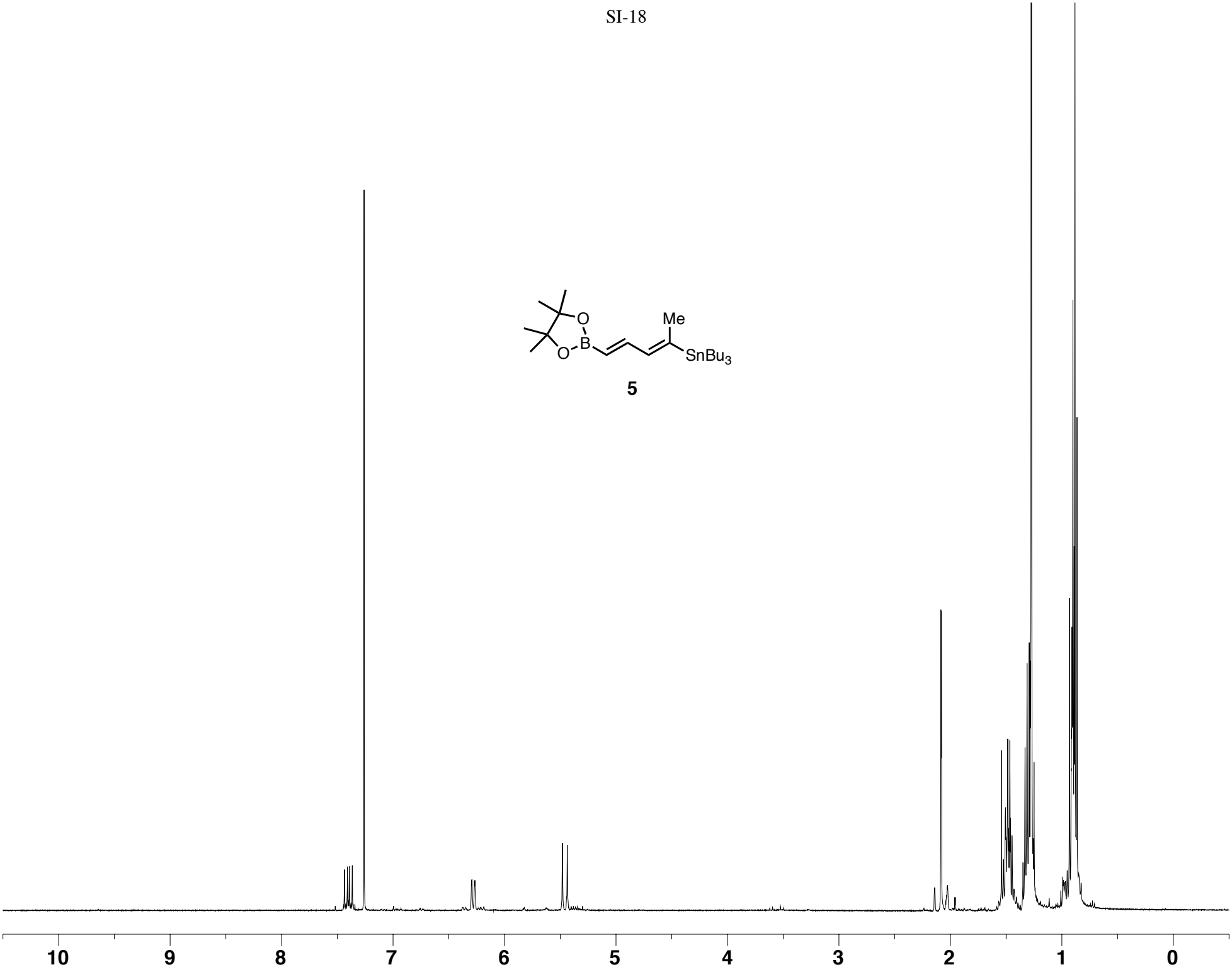

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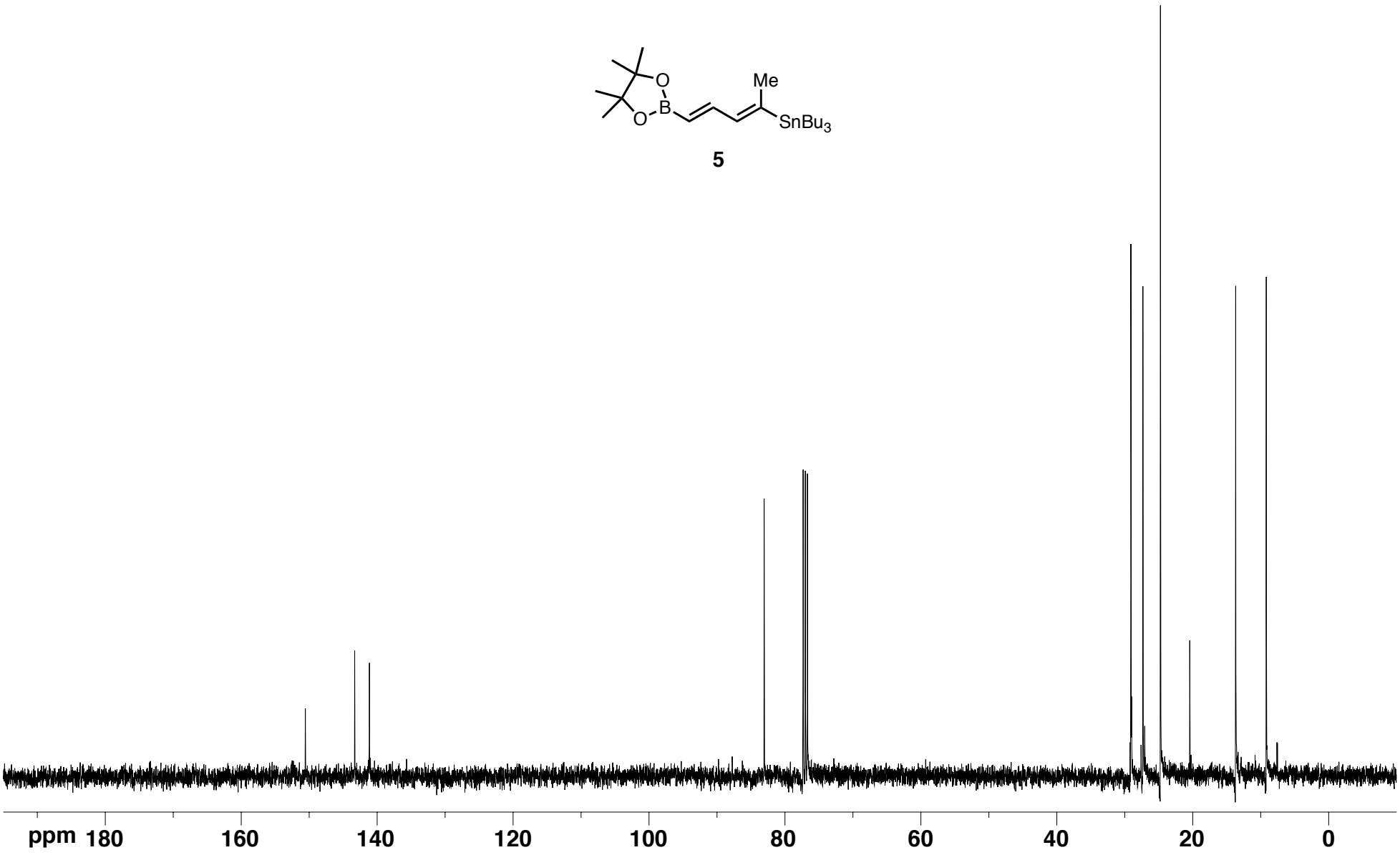
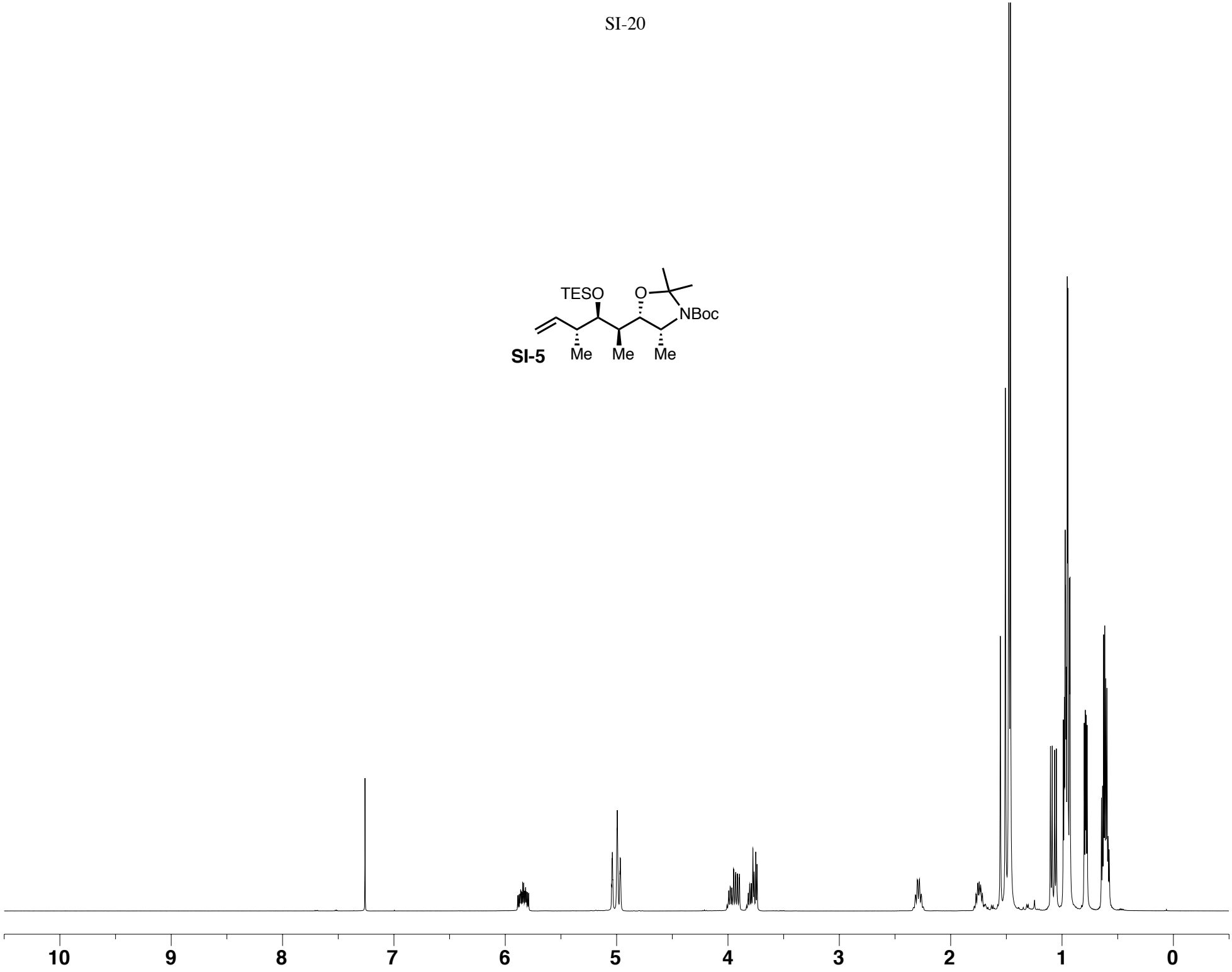
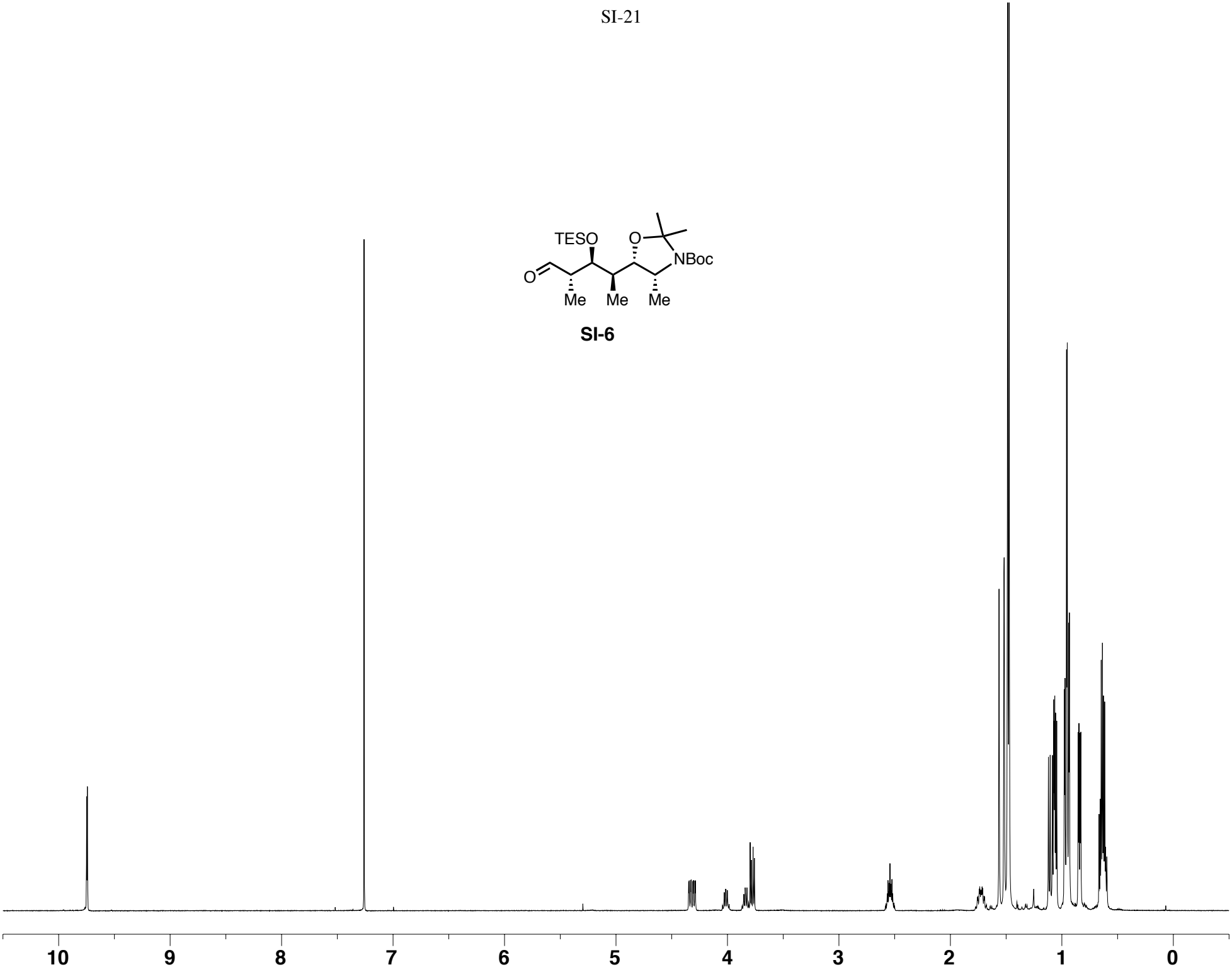



TESO
O
NBoc
SI-5
Me
Me
Me
10
9
8
7
6
5
4
3
2
1
0

SI-6



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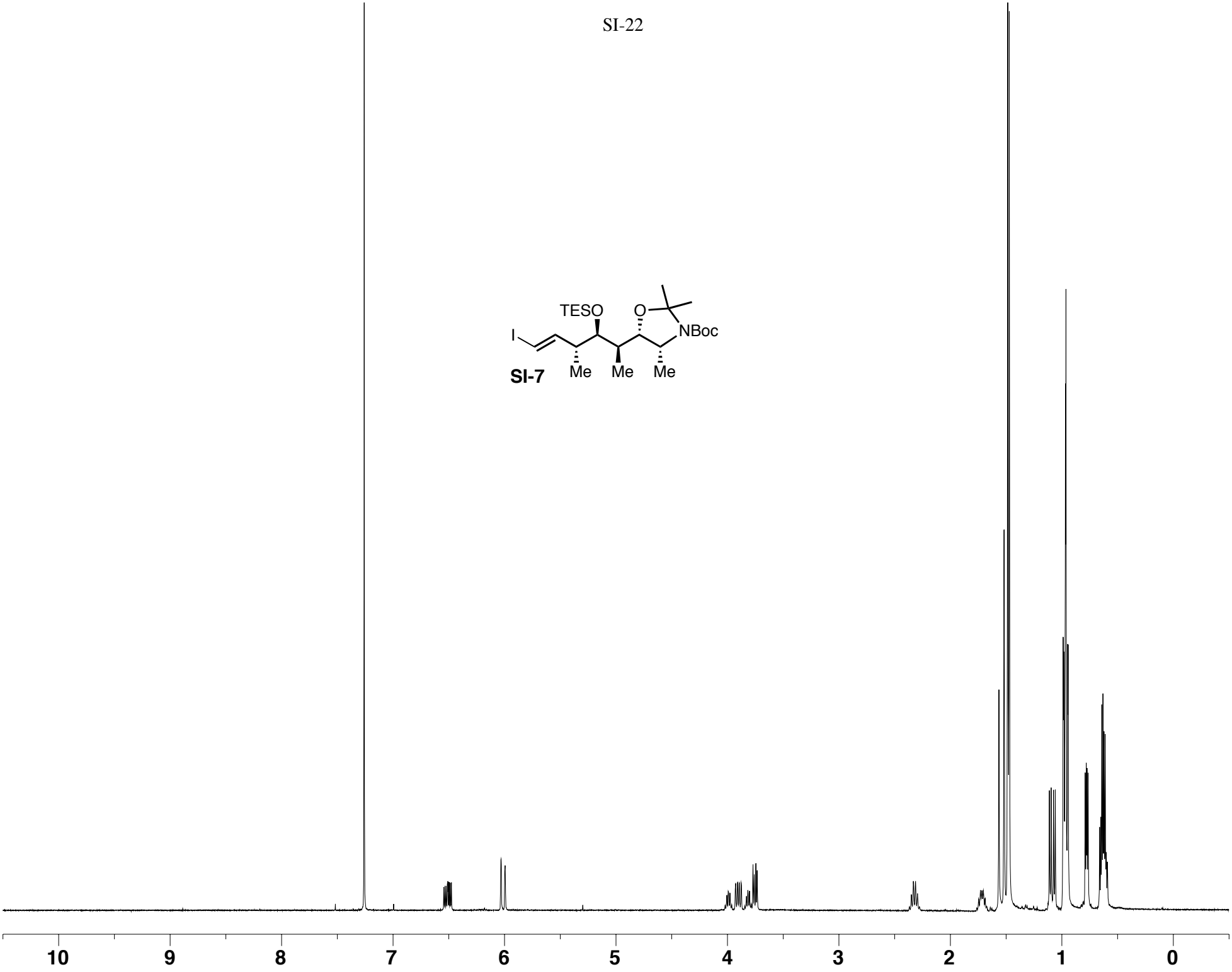

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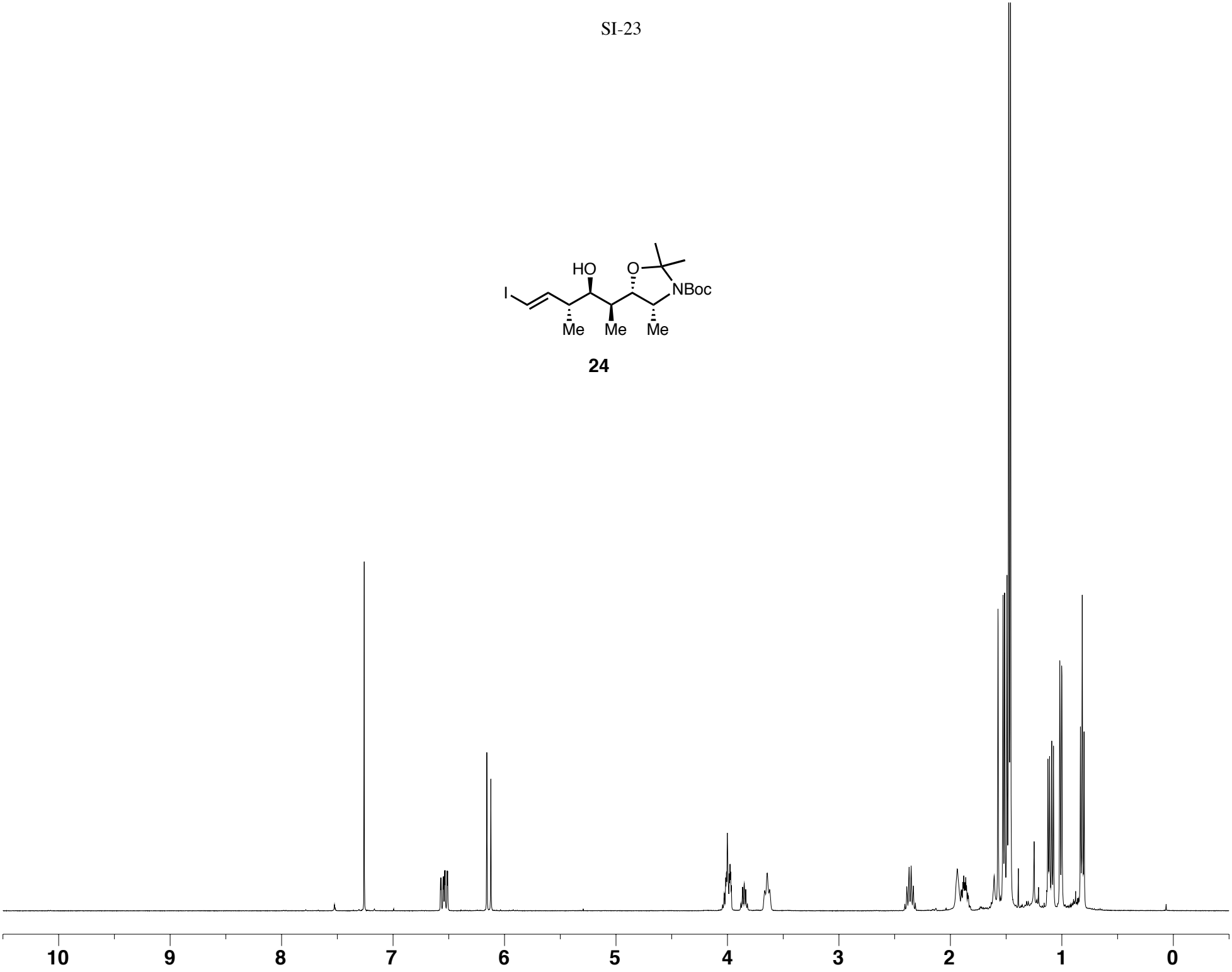

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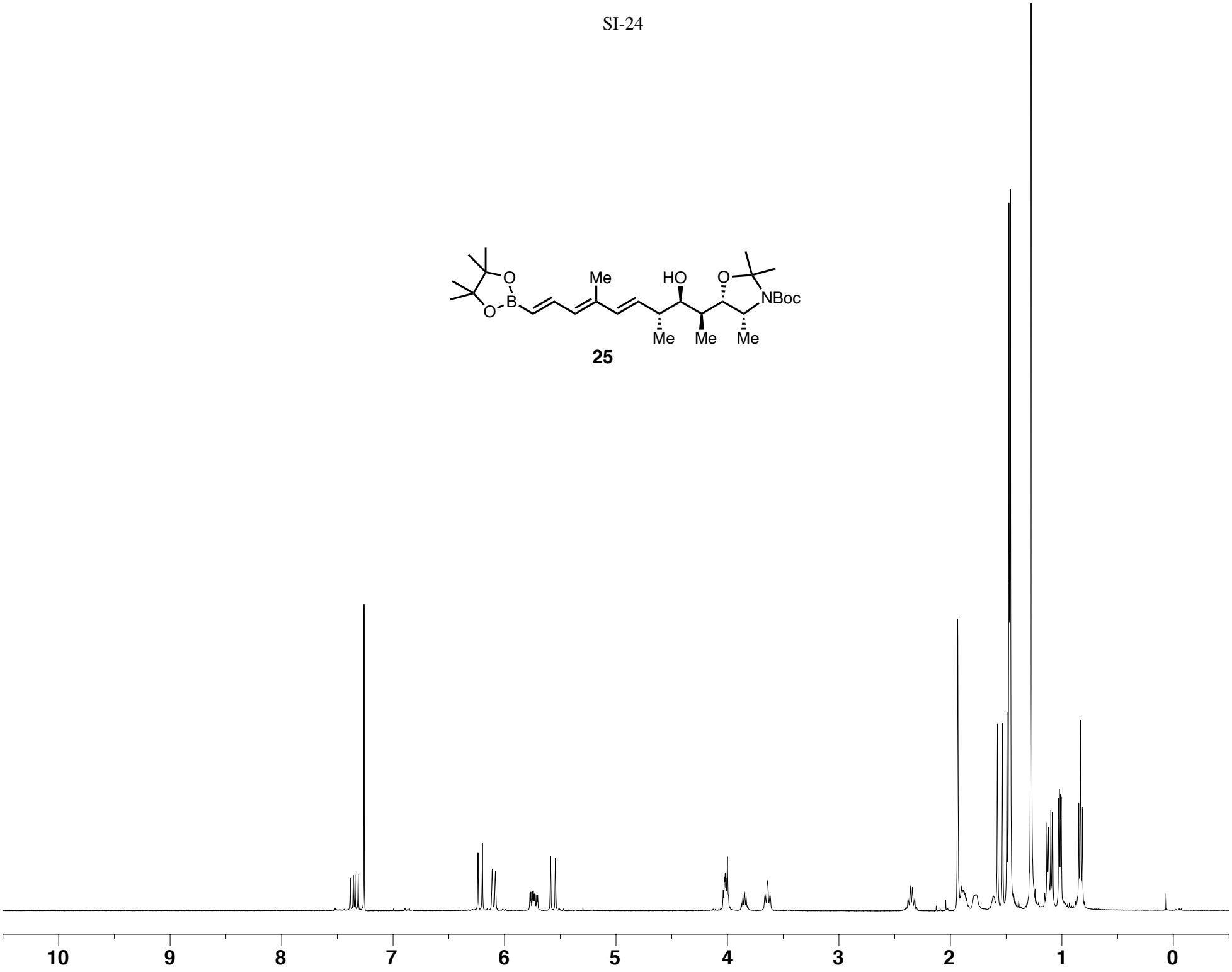
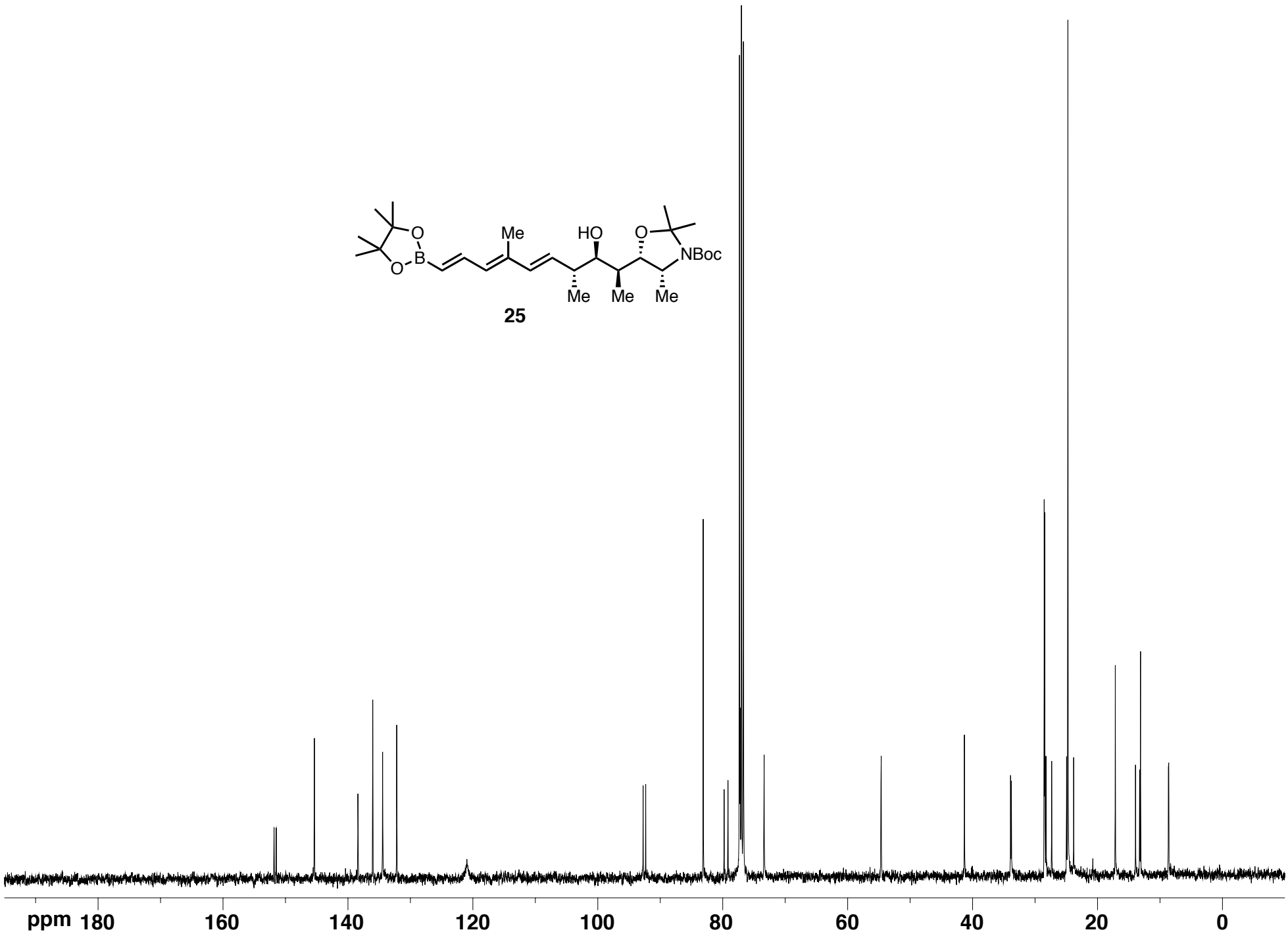
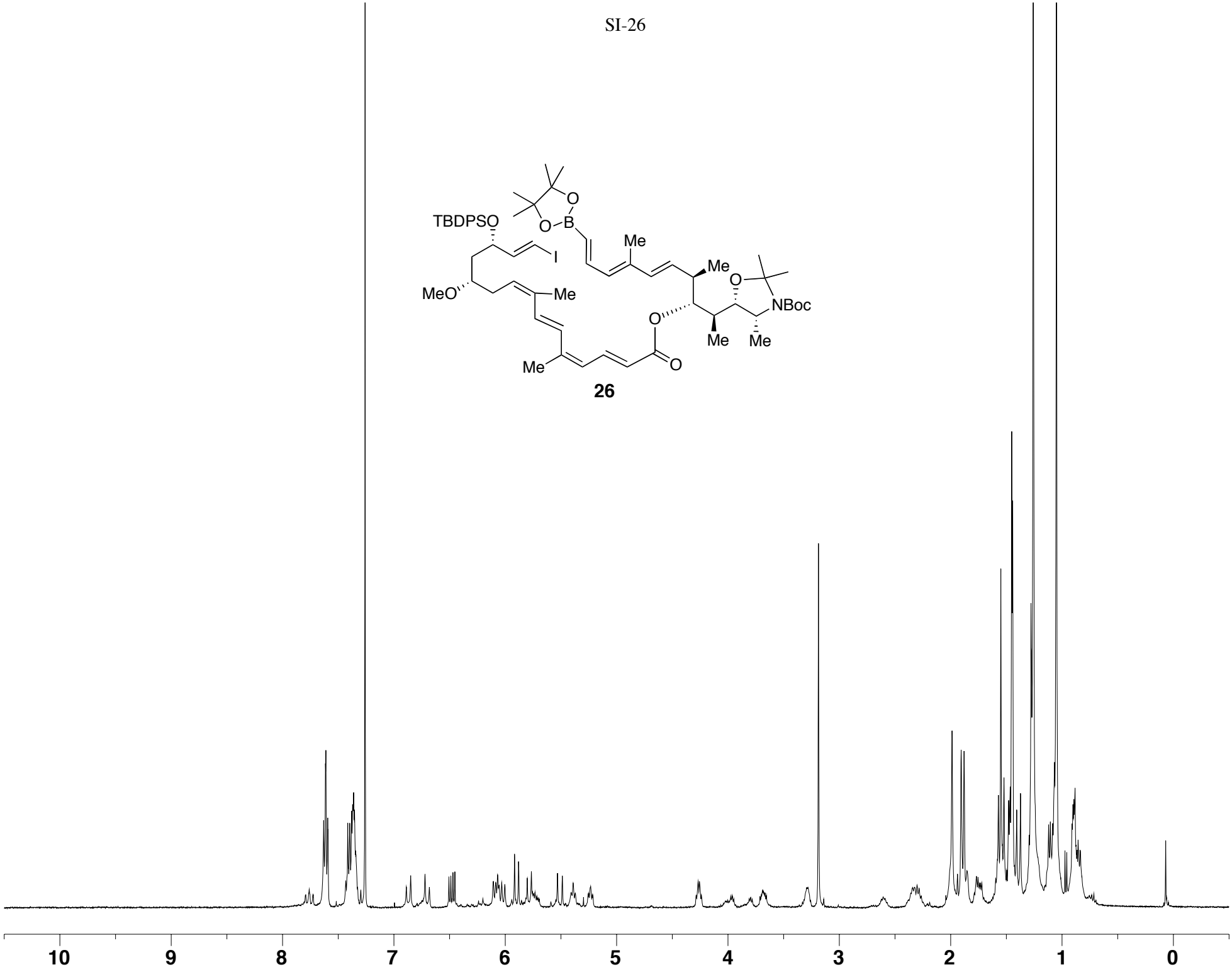



O
O
B
Me
HO
O
NBoc
Me
Me
Me
25
ppm
180
160
140
120
100
80
60
40
20
0

26



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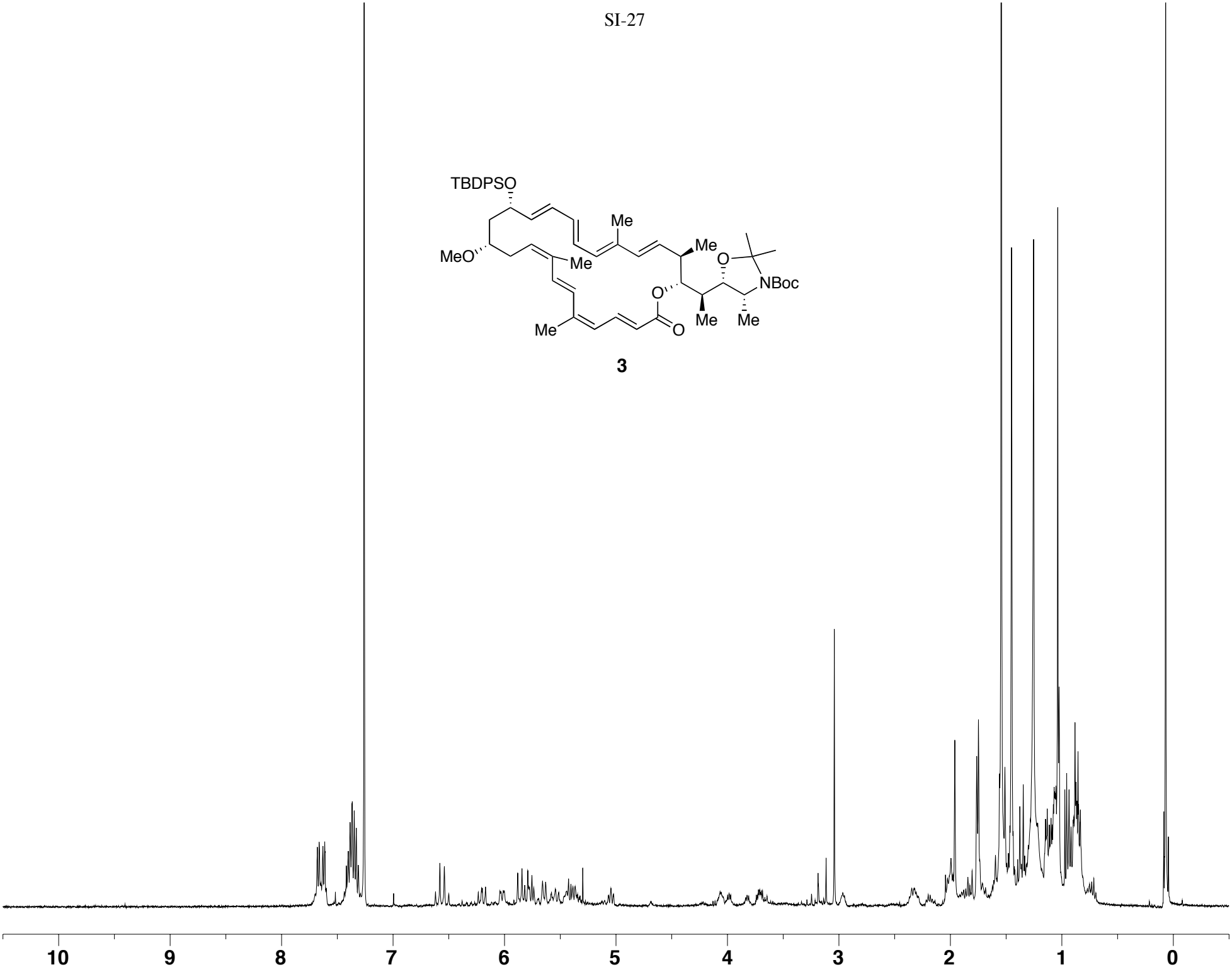

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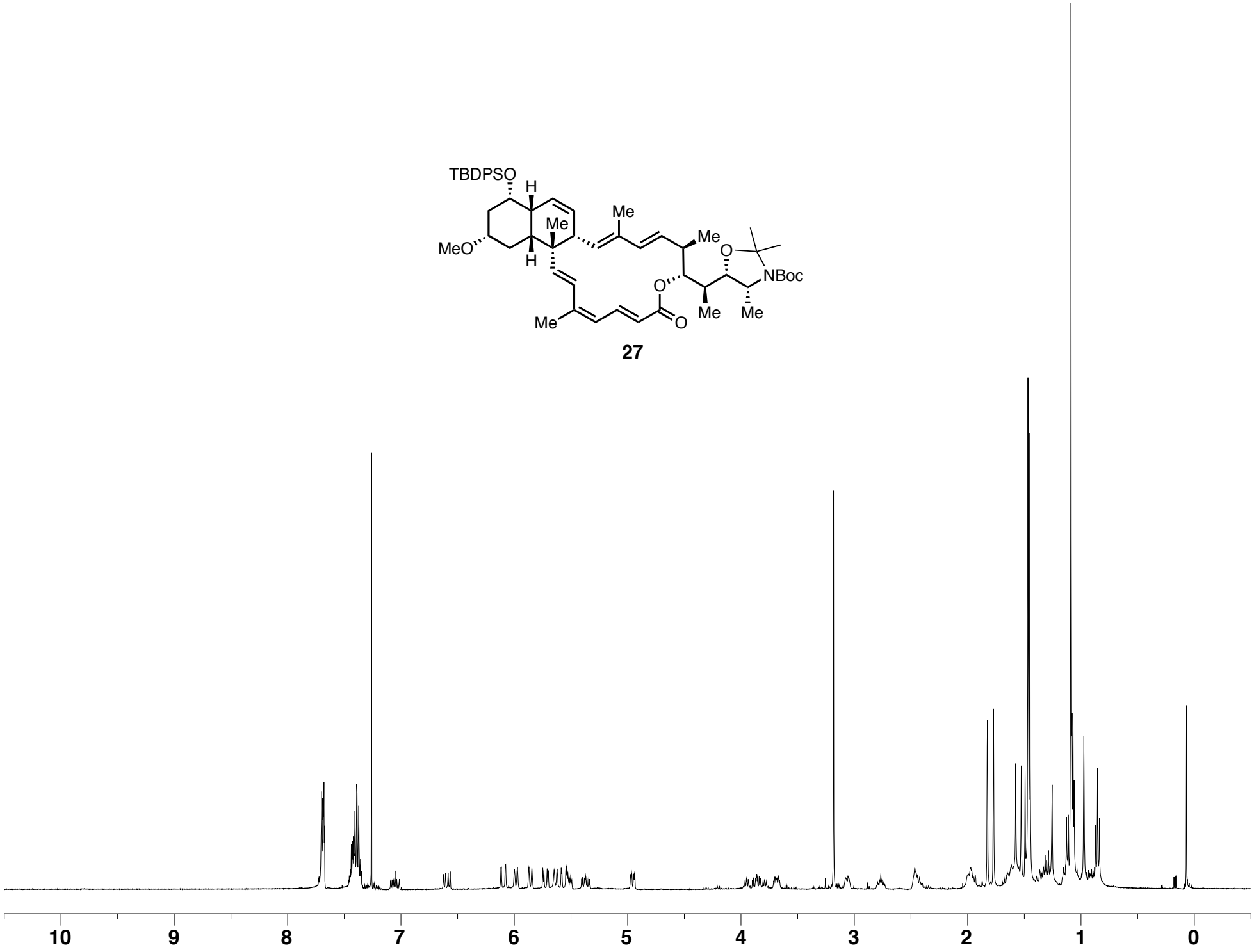
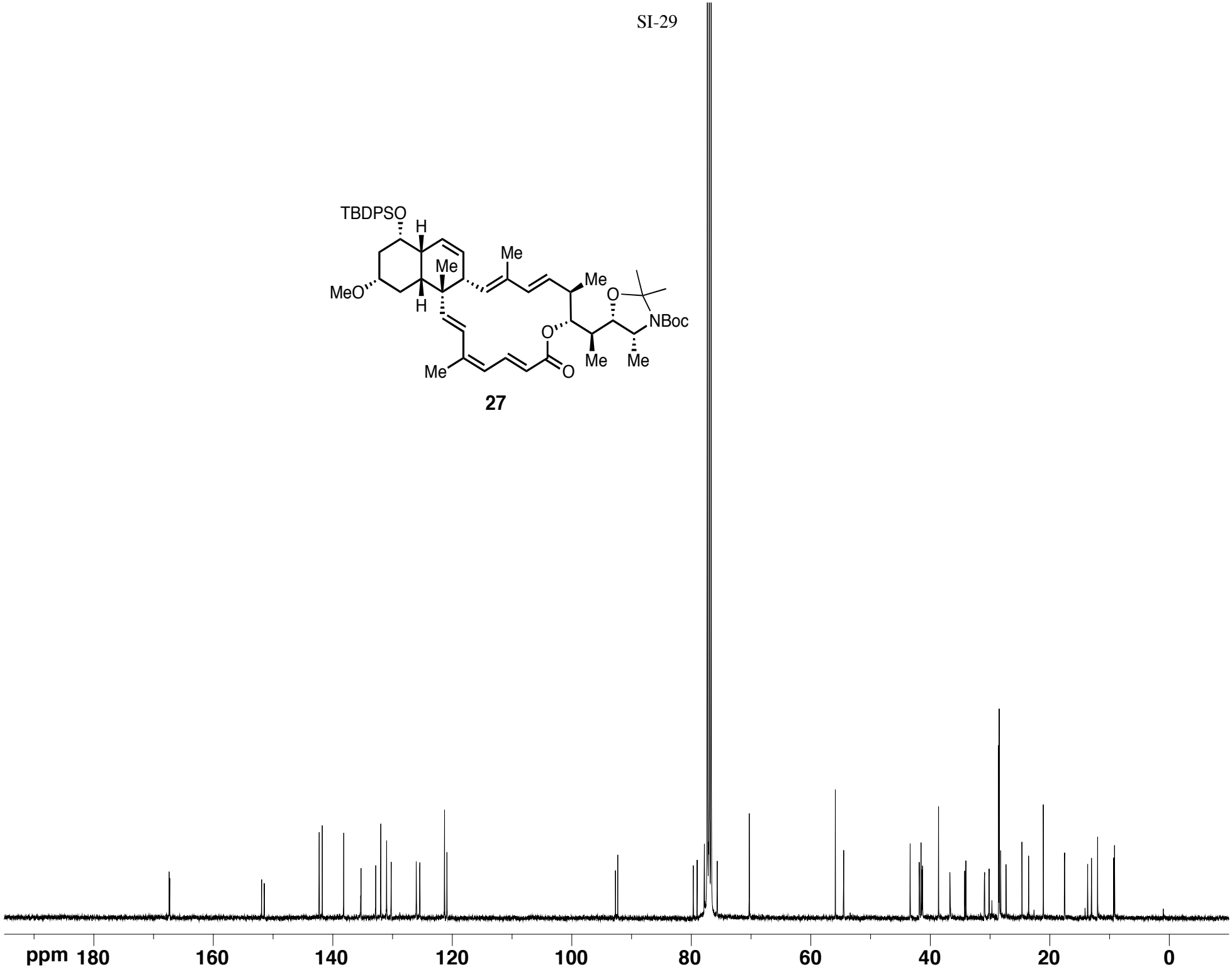


TBDPSO
H
Me
Me
Me
MeO
H
O
NBoc
O
Me
Me
Me
O

27


ppm
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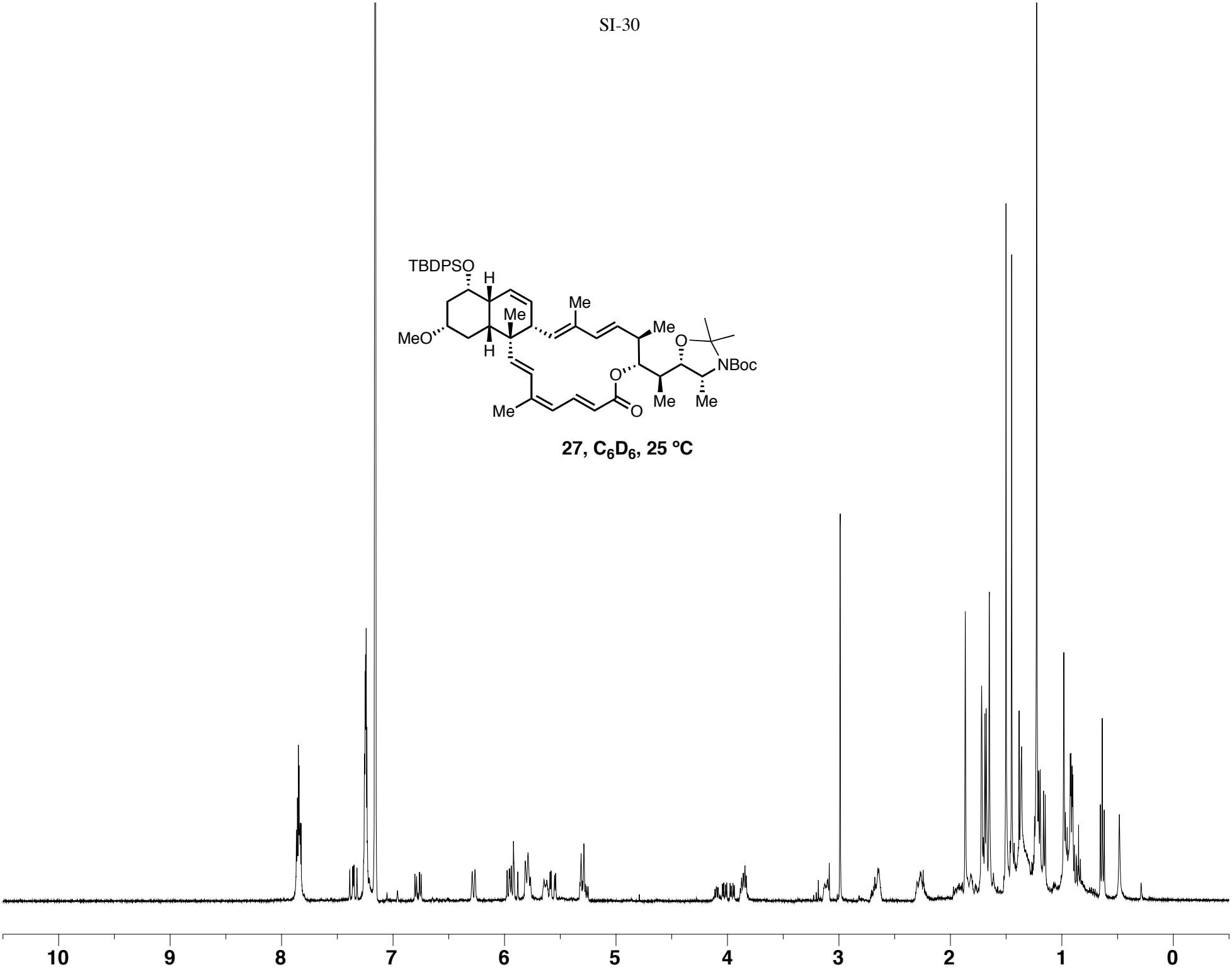
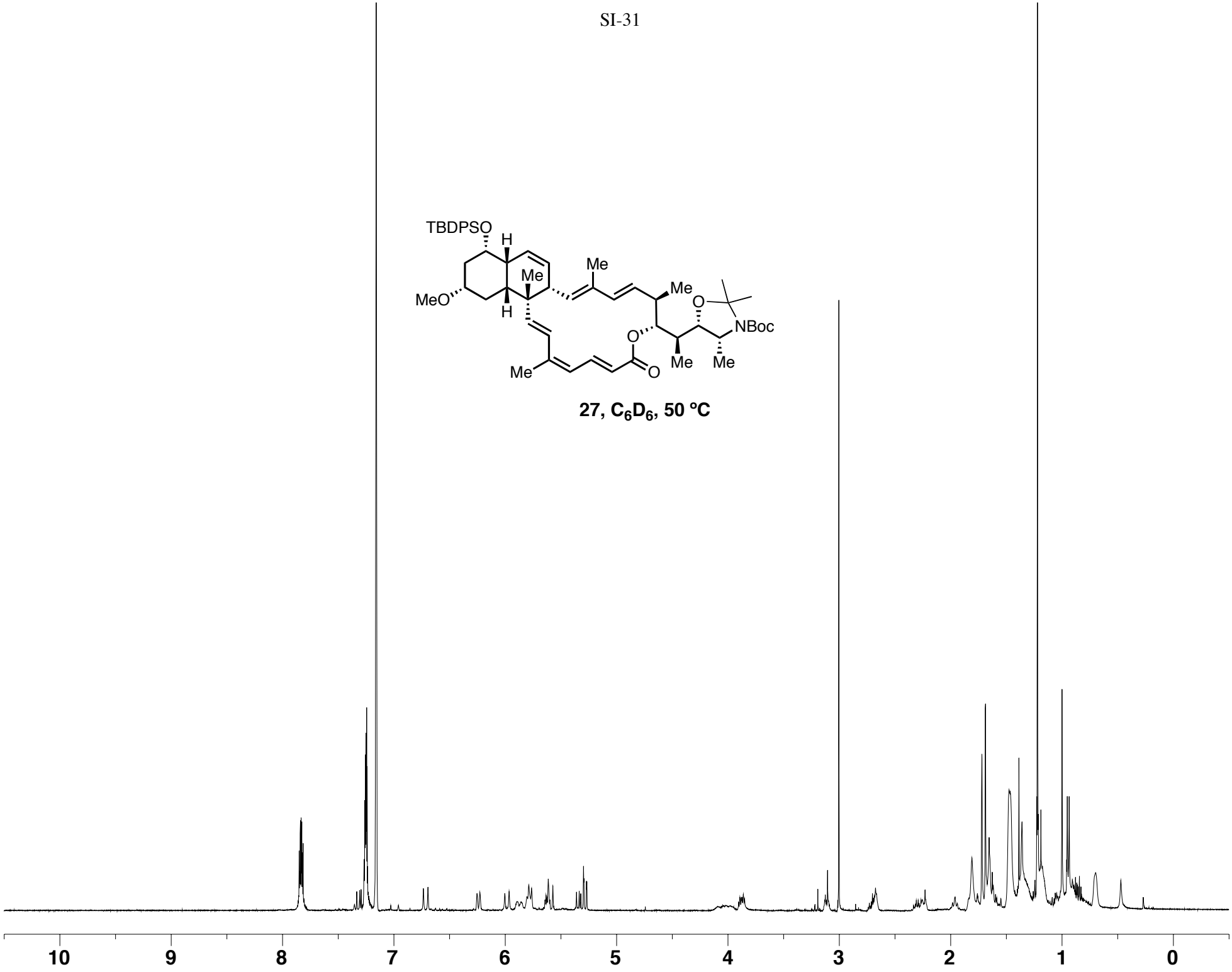
140
120
100
80
60
40
20
0

27, C_6D_6, 25 °C



27, C_6D_6, 50 °C



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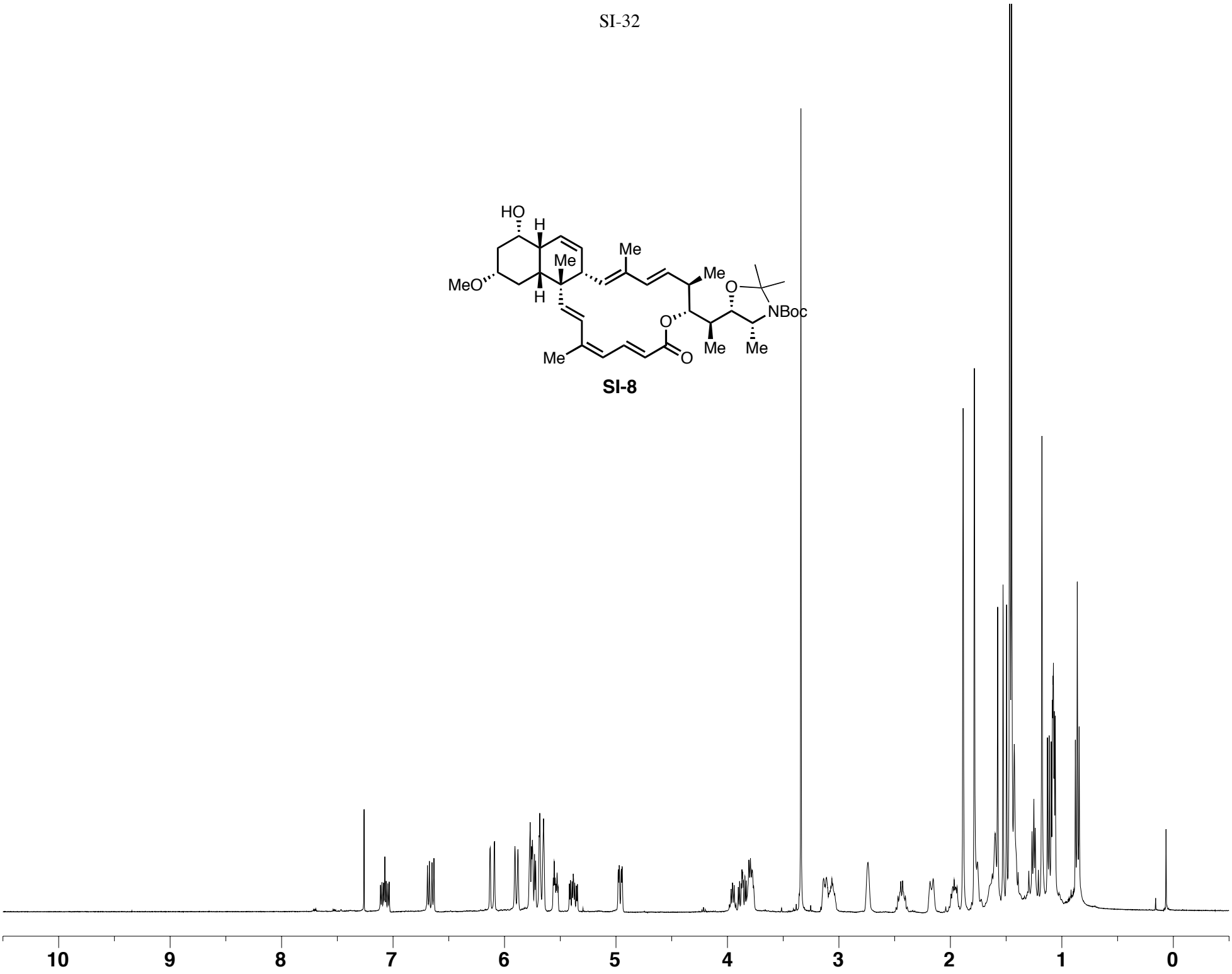

HO
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Me
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MeO
H
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NBoc
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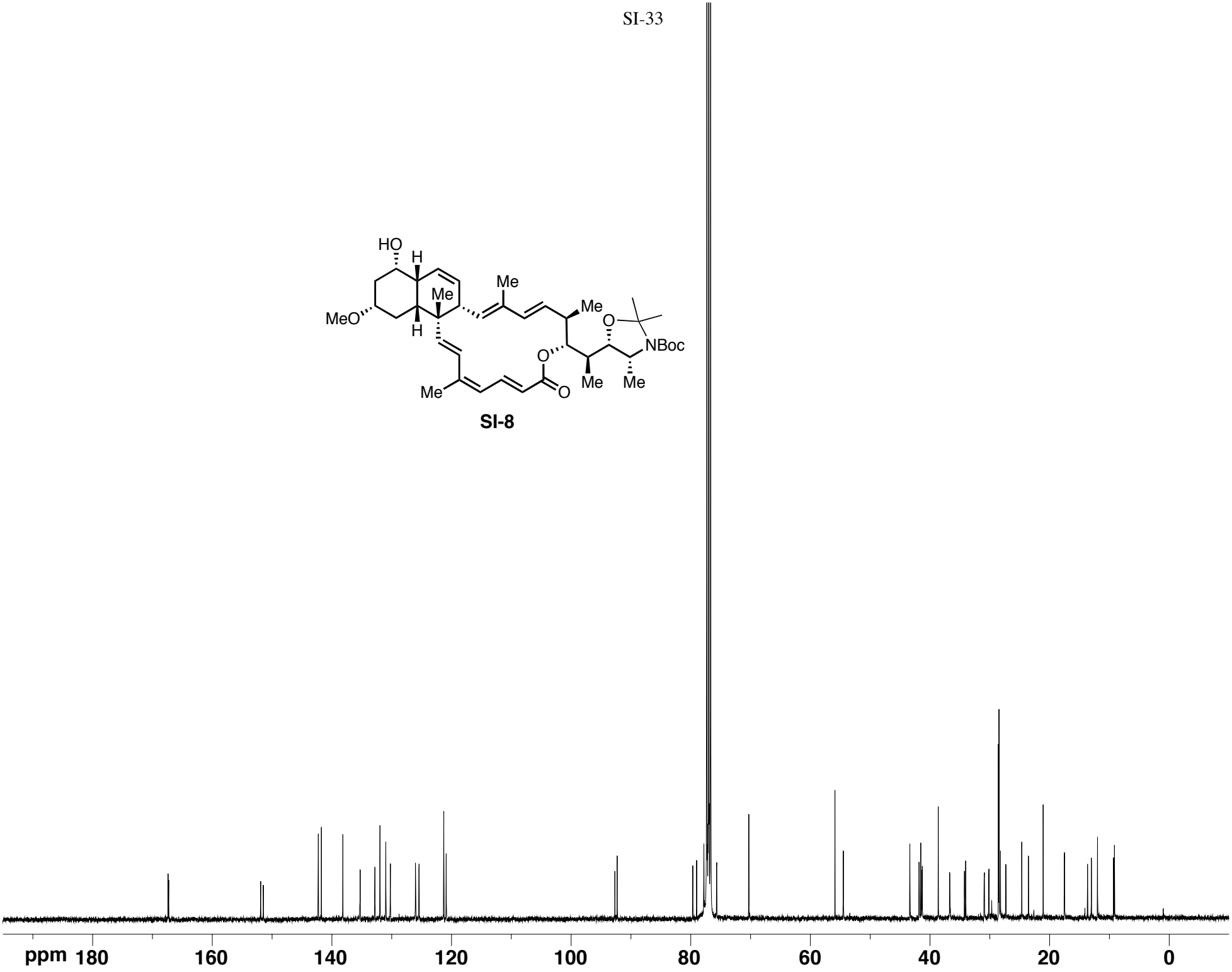
Me
Me
Me
O

SI-8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120
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80
60
40
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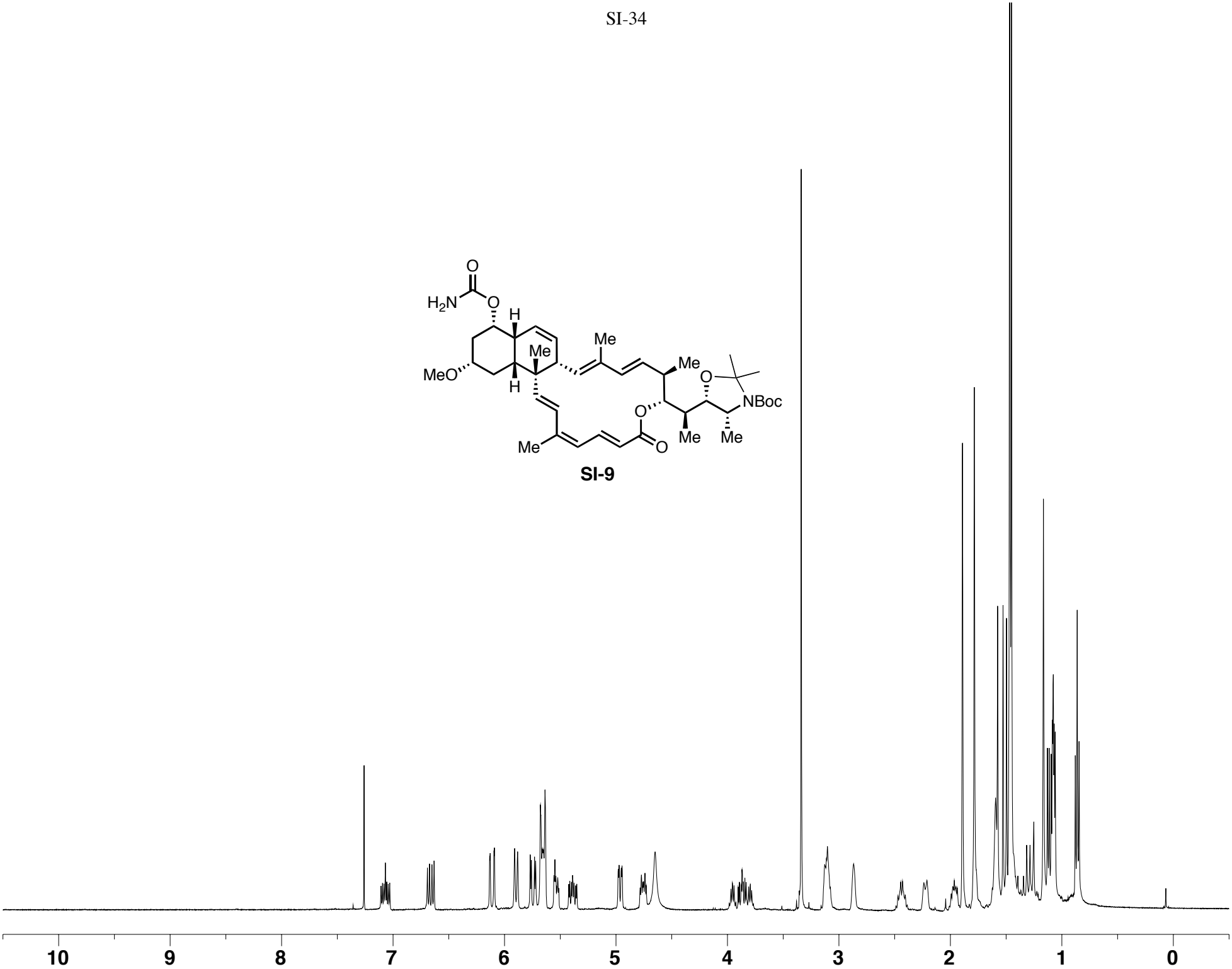
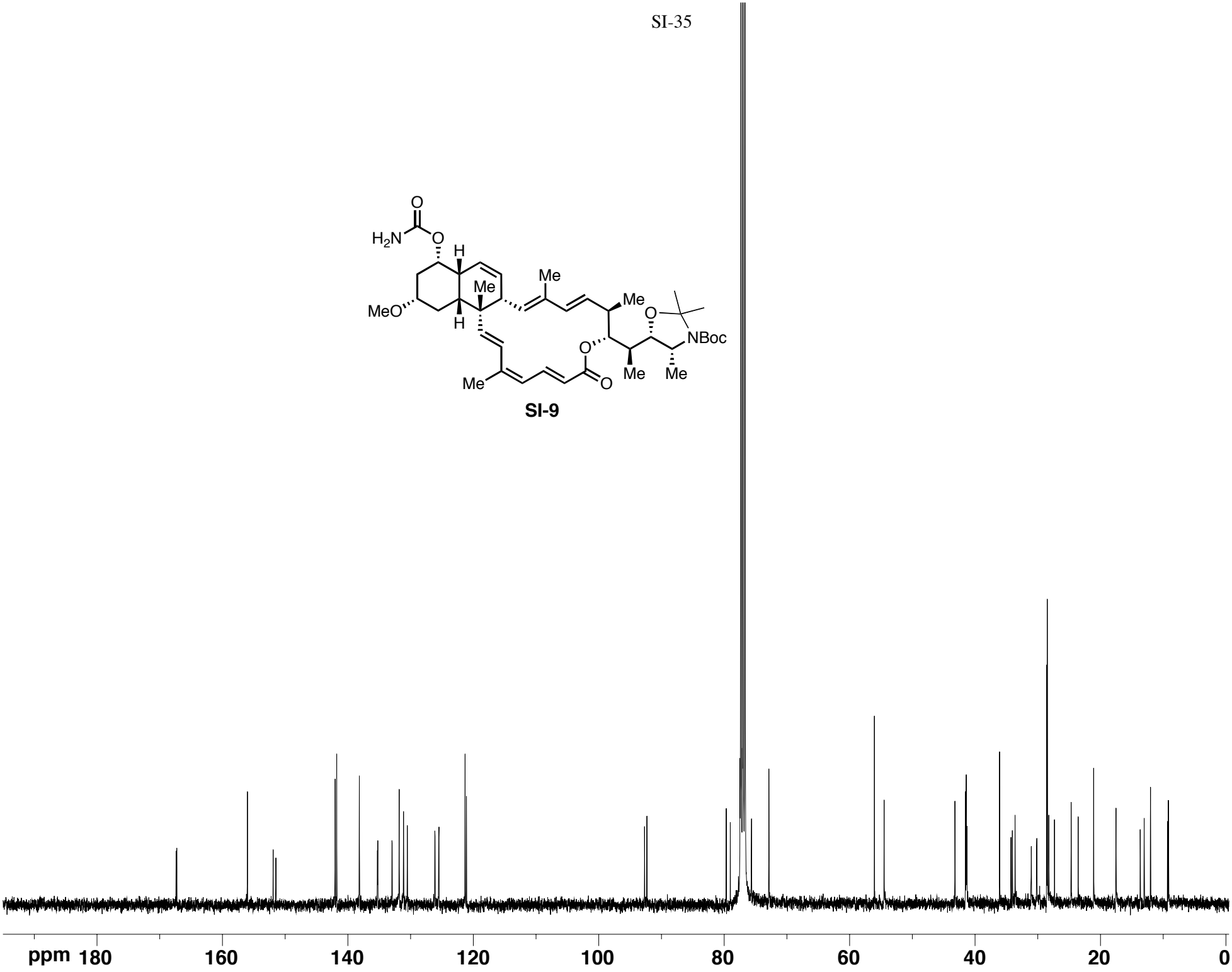


SI-9

O
H2N
O
H
Me
Me
Me
MeO
H
O
NBoc
O
Me
Me
Me
O

SI-9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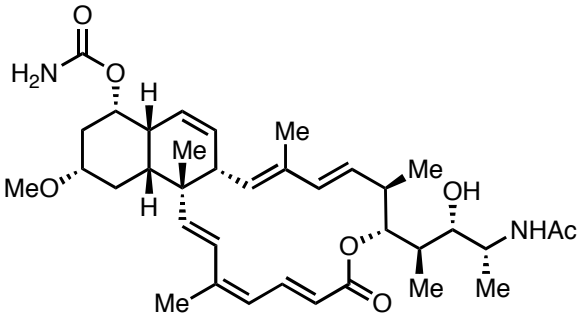
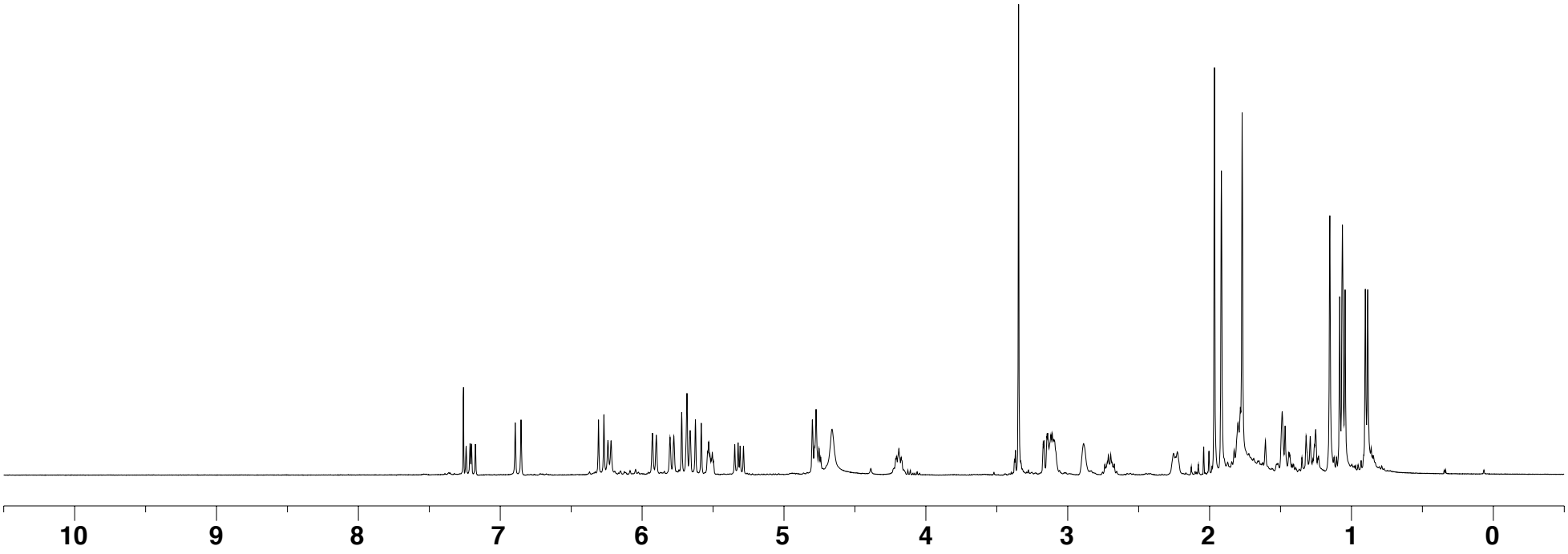
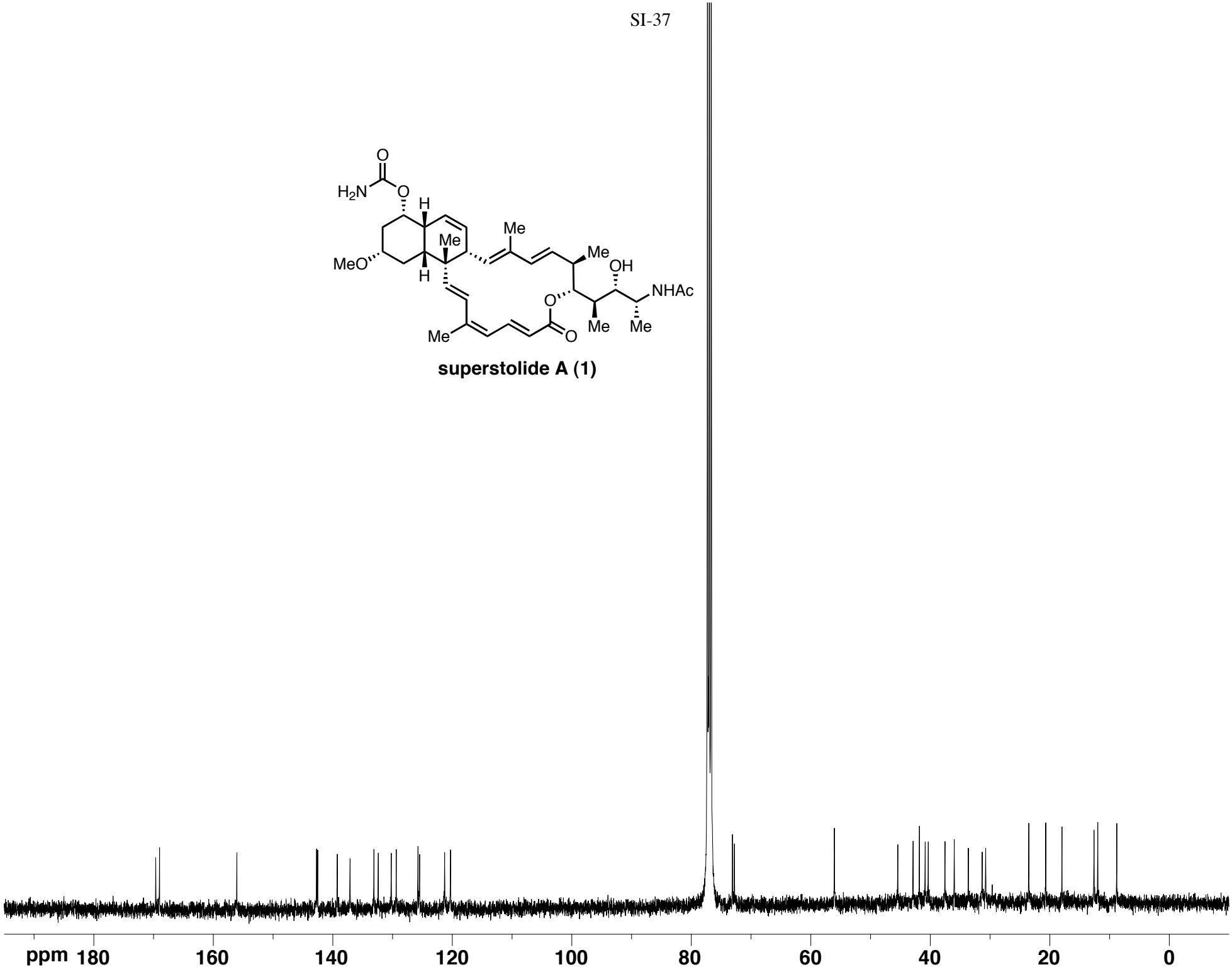


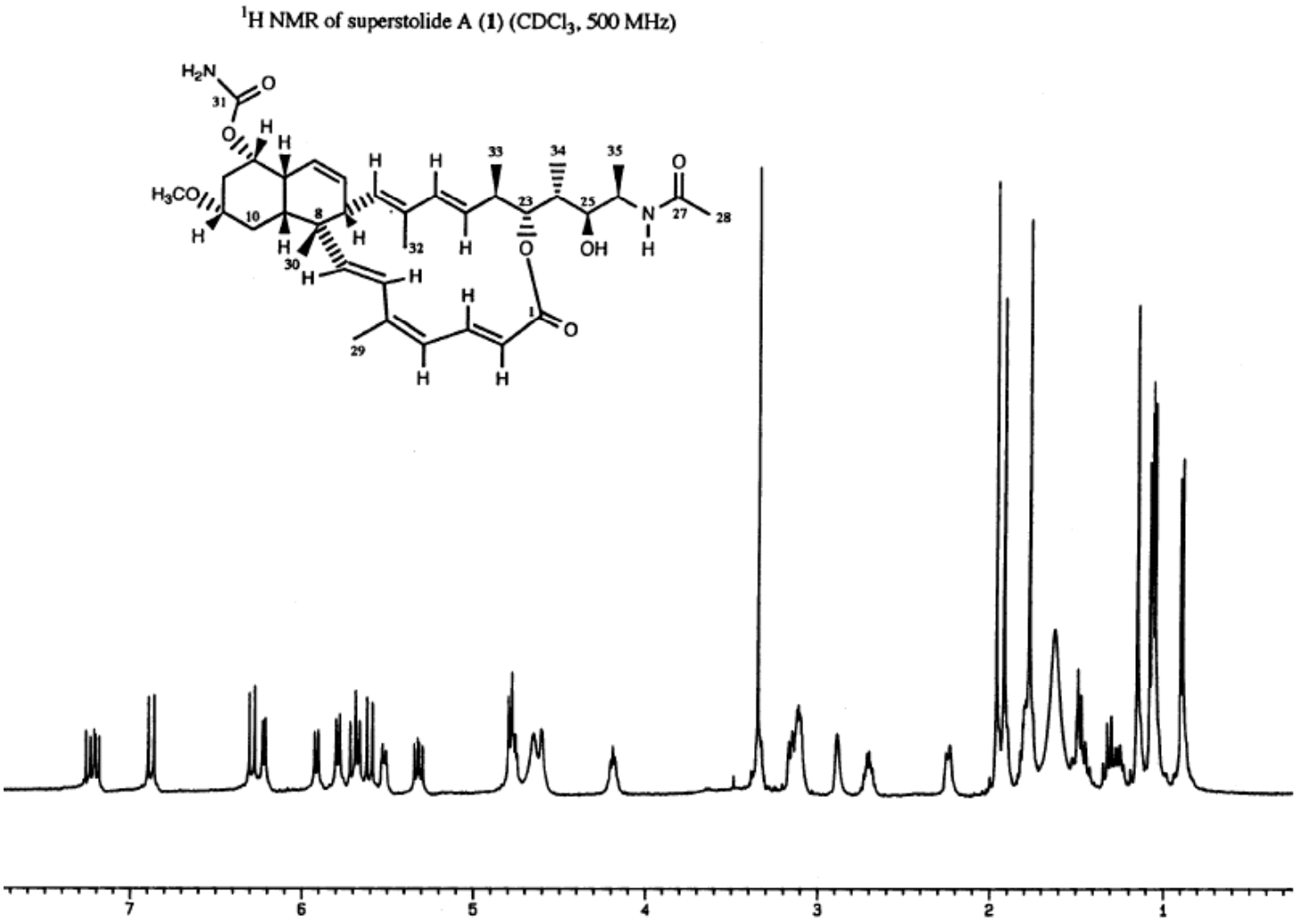
superstolide A (1)

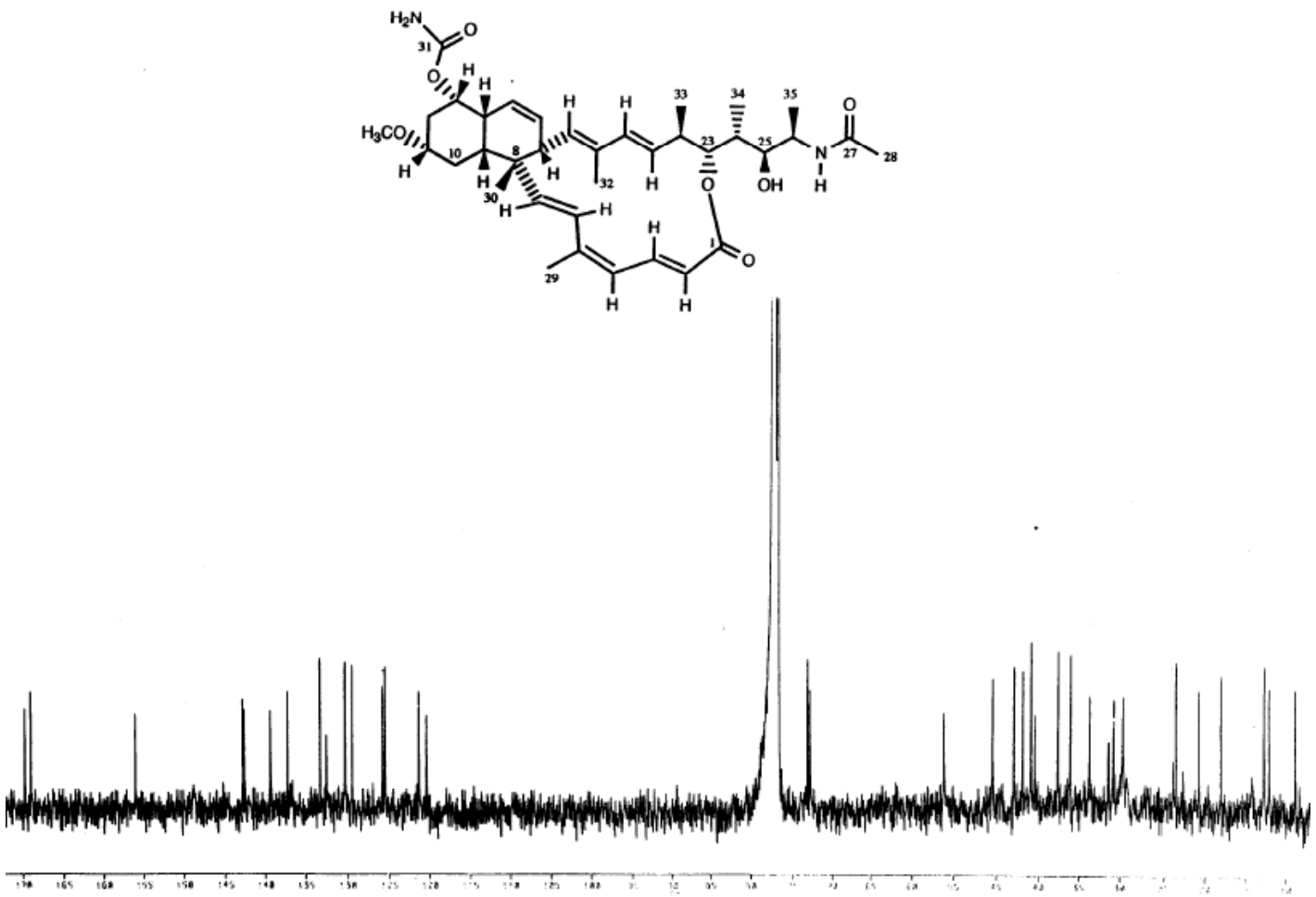


superstolide A (1)



^{1}H NMR of natural superstolide A from D'Auria, M. V.; Debitus, C.; Paloma, L. G.; Minale, L.; Zampella, A. *J. Am. Chem. Soc*. **1994**, *116*, 6658.



^{13}C NMR of natural superstolide A from D'Auria, M. V.; Debitus, C.; Paloma, L. G.; Minale, L.; Zampella, A. *J. Am. Chem. Soc*. **1994**, *116*, 6658.

^{13}C NMR of superstolide A (1) ($CDCl_3$, 100 MHz)