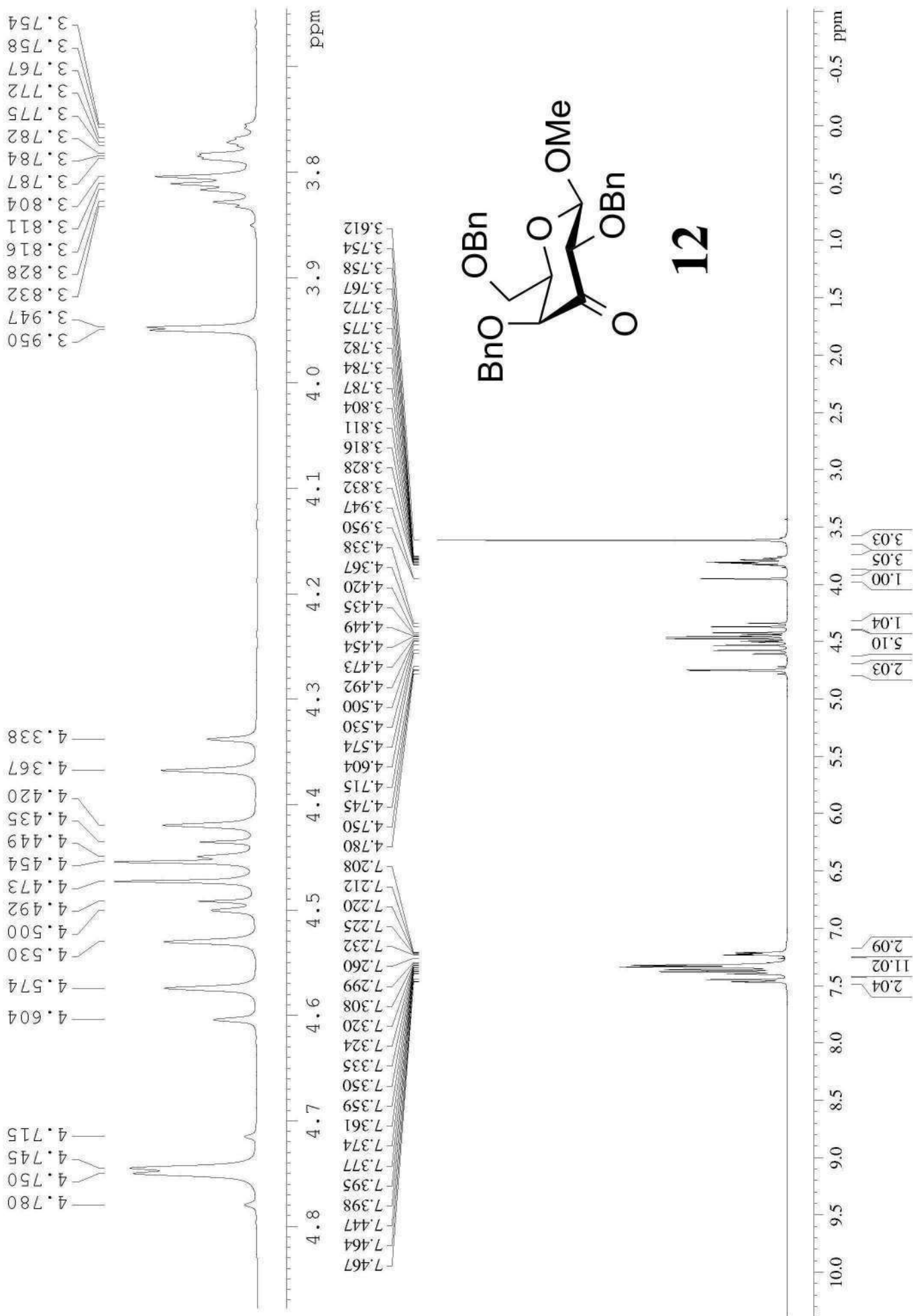


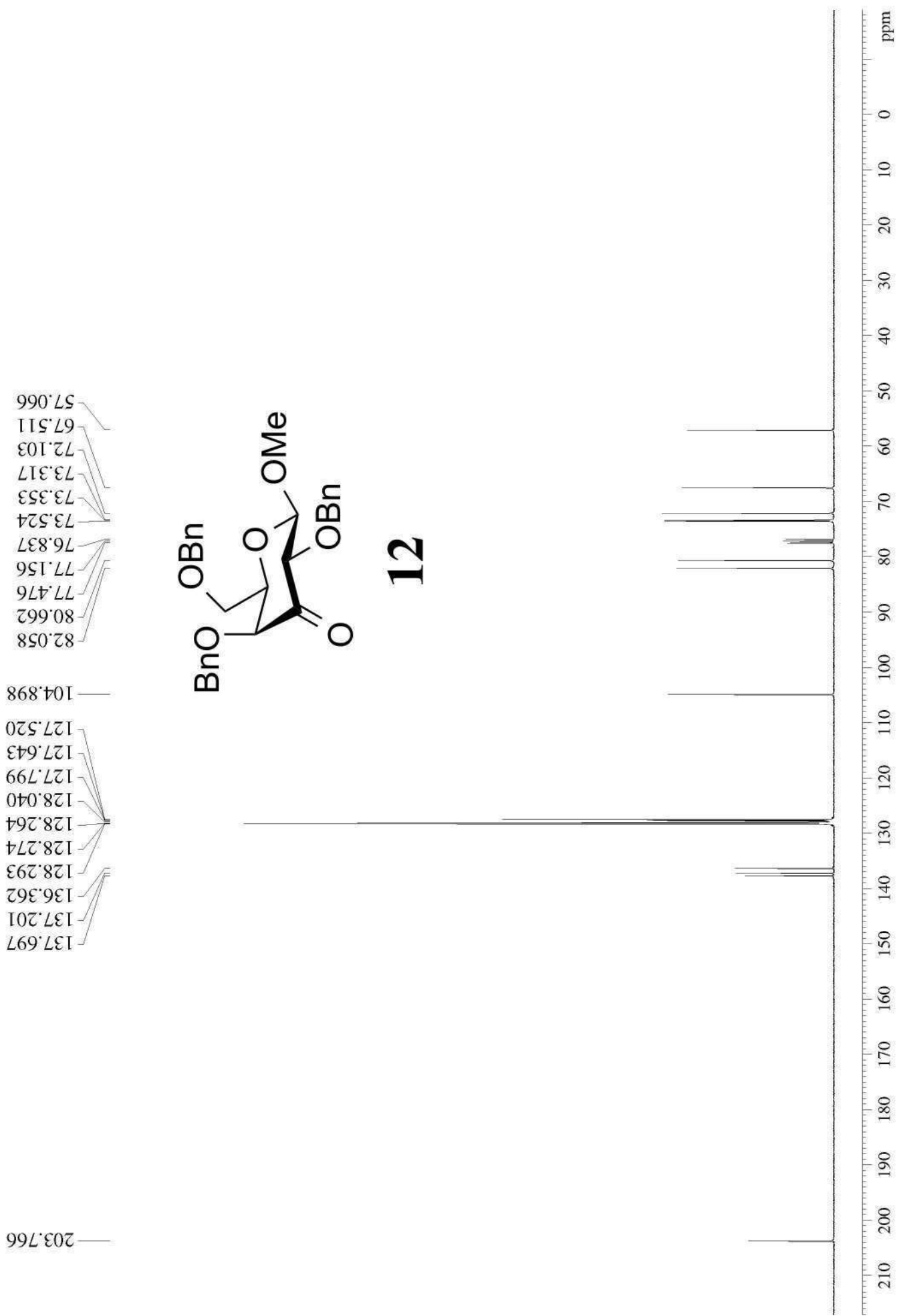
Supporting Information

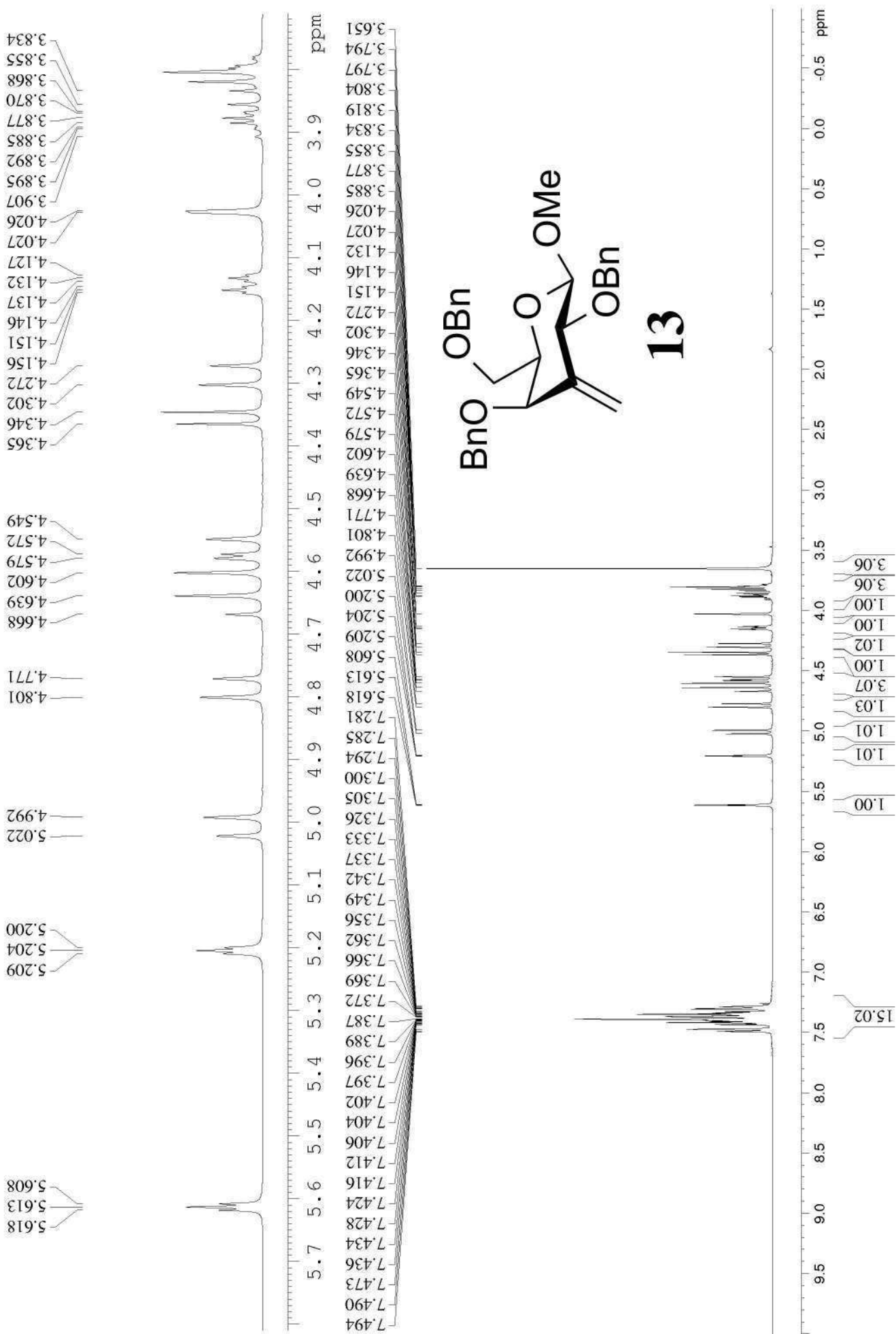
A Galactoside-Binding Protein Tricked into Binding Unnatural Pyranose Derivatives: 3-Deoxy-3-Methylene Gulosides Selectively Inhibit Galectin-1

Kumar Bhaskar Pal ¹, Mukul Mahanti ¹, Hakon Leffler ² and Ulf J. Nilsson ^{1,*}

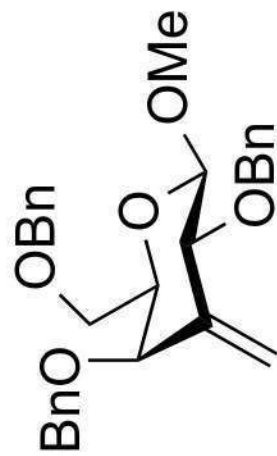
Copy of NMR Spectra



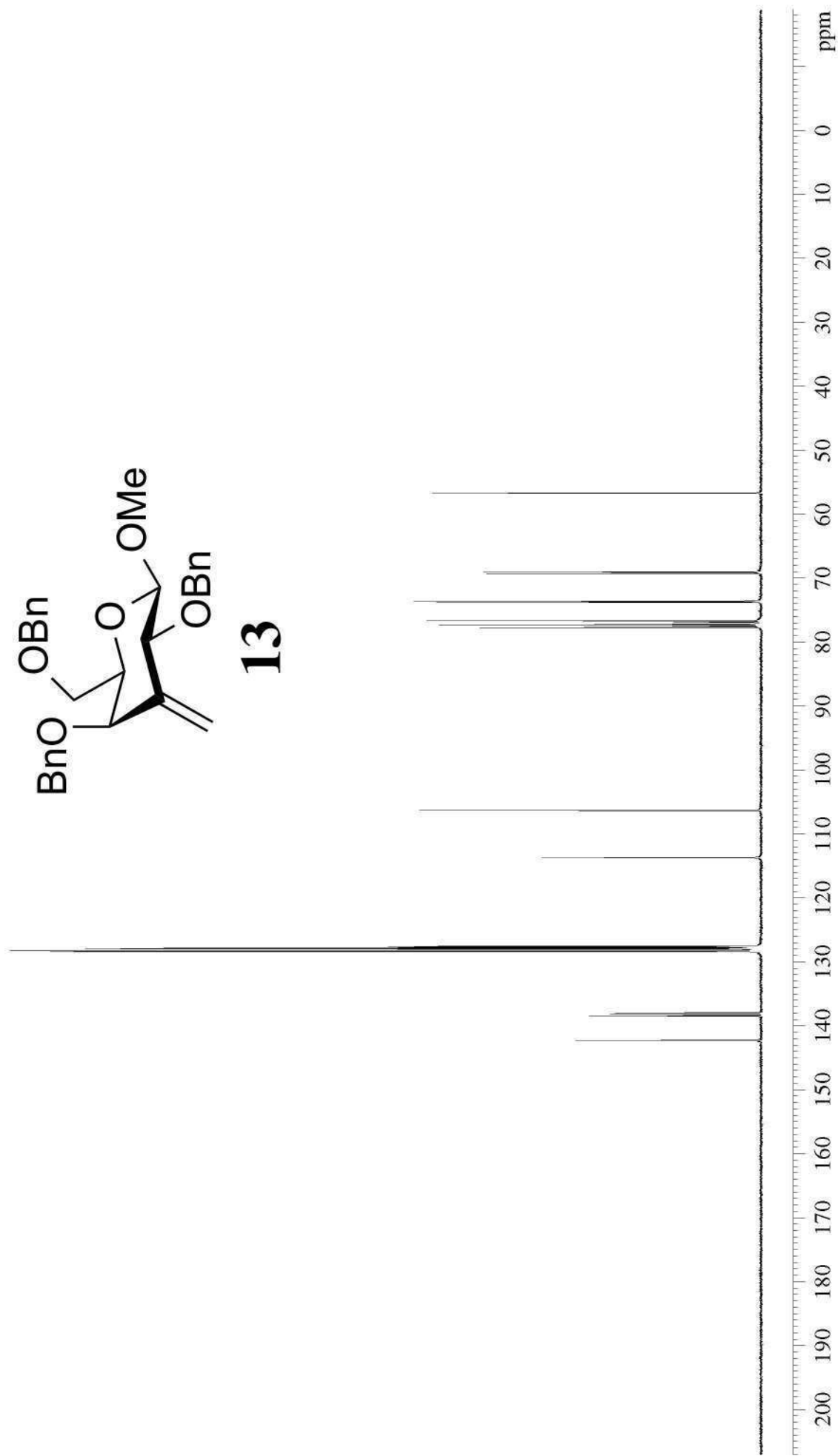


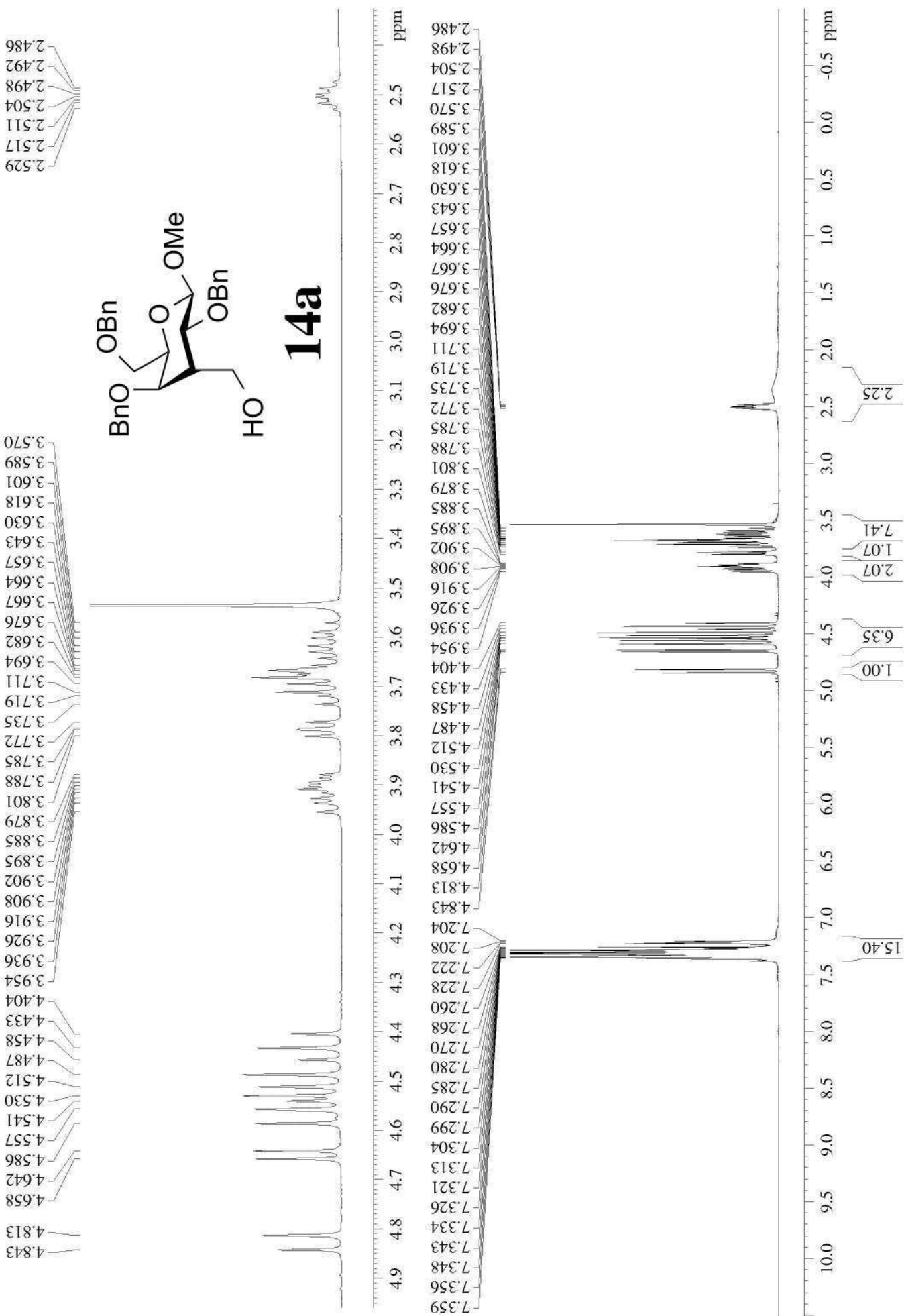


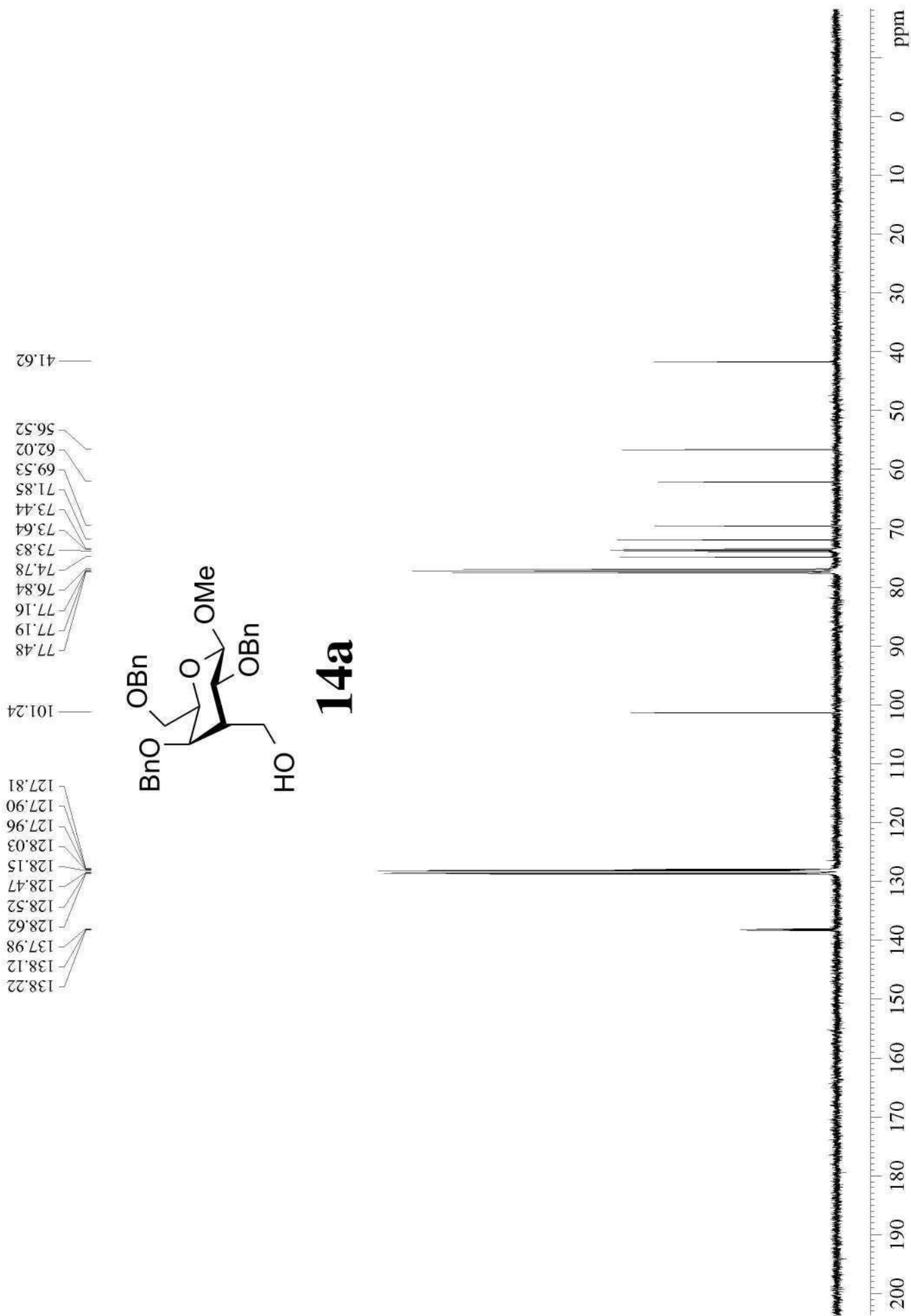
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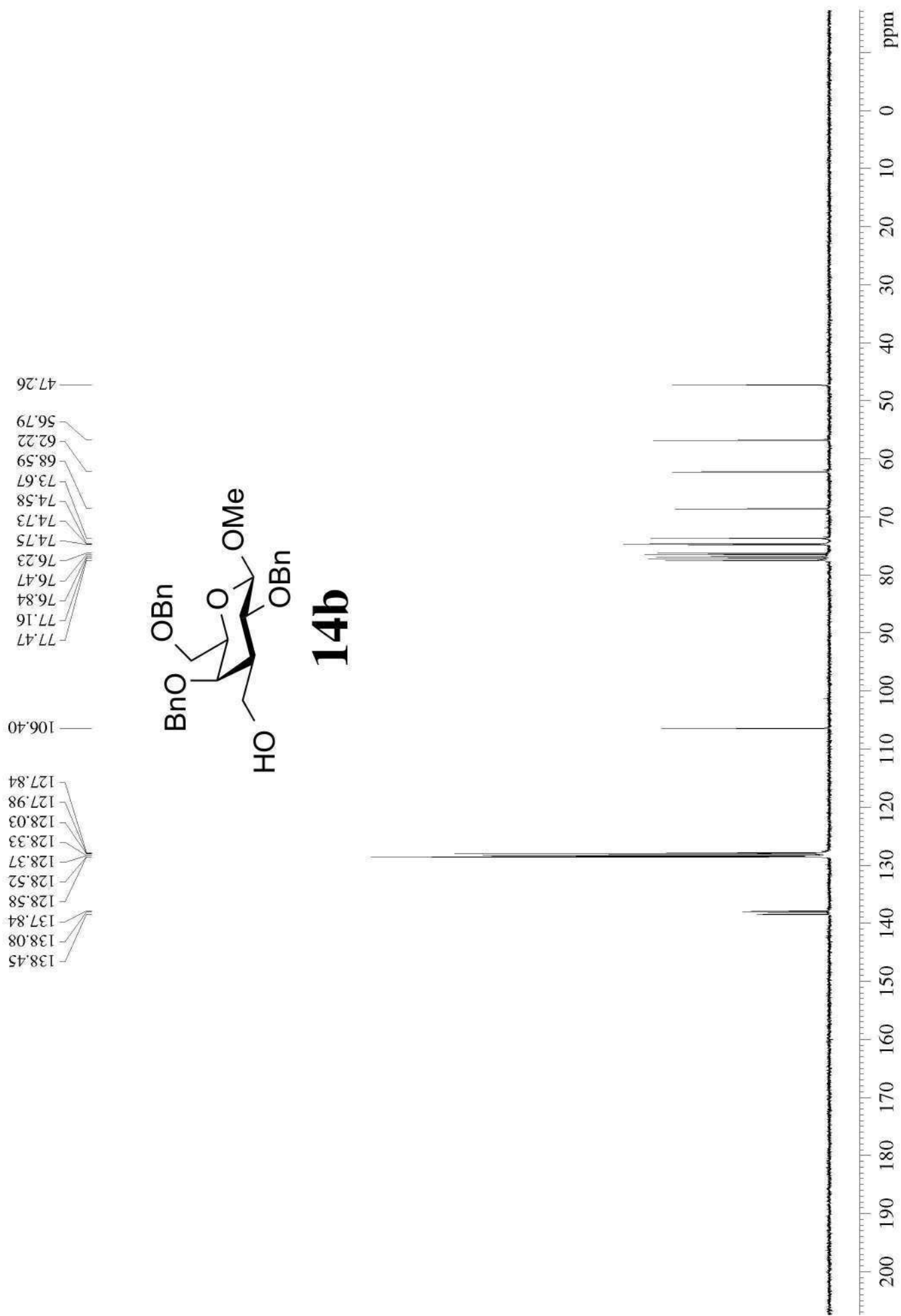


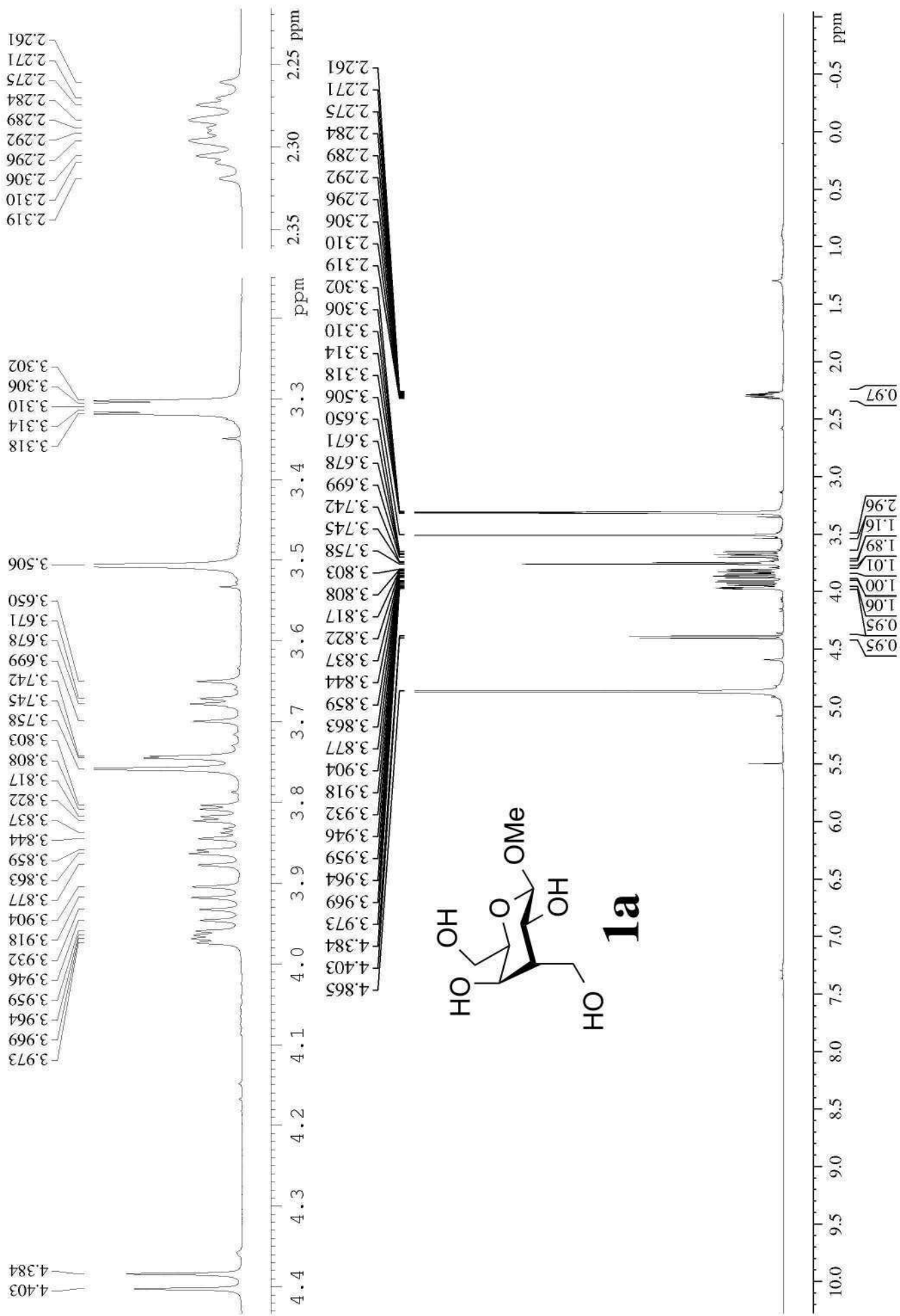
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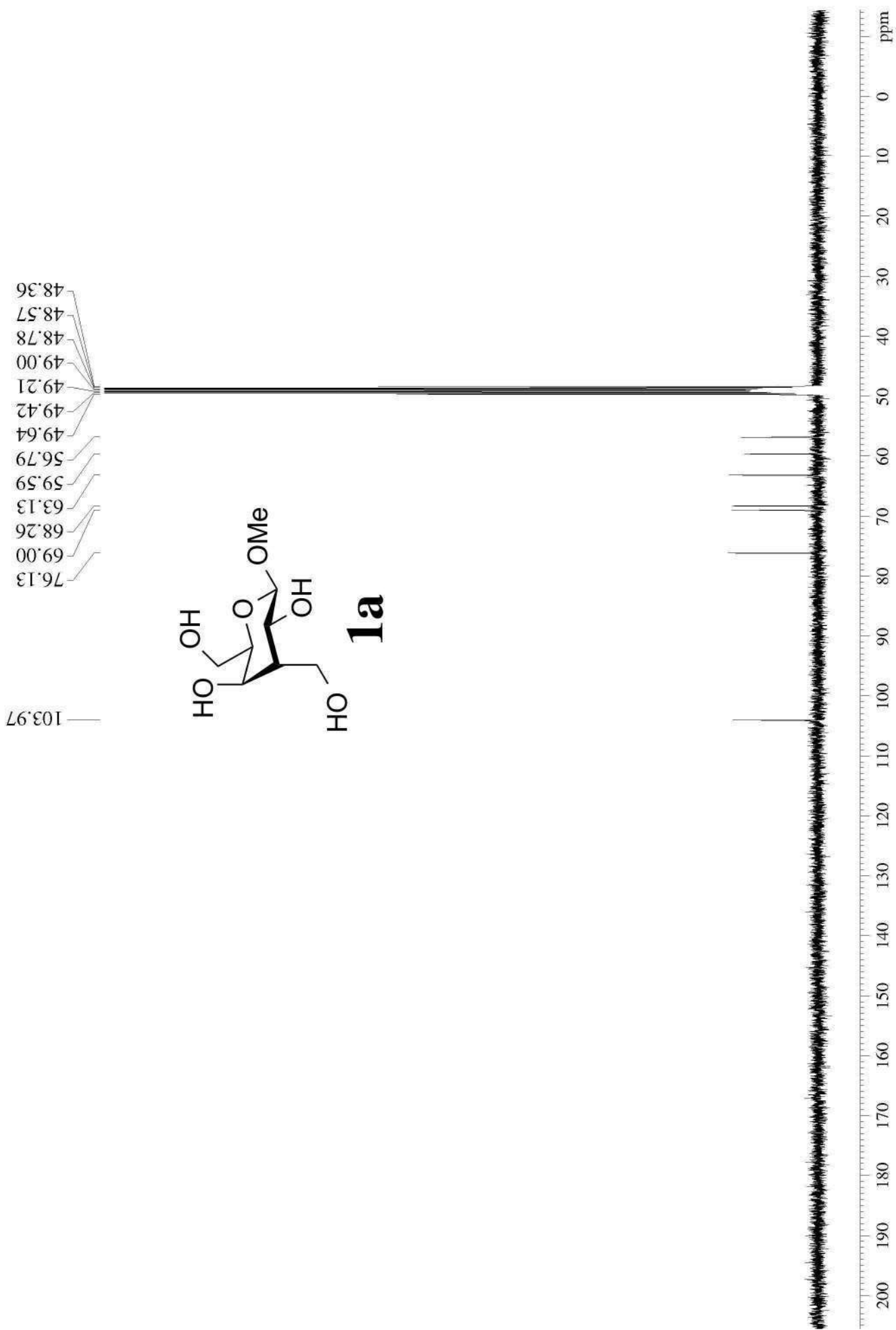


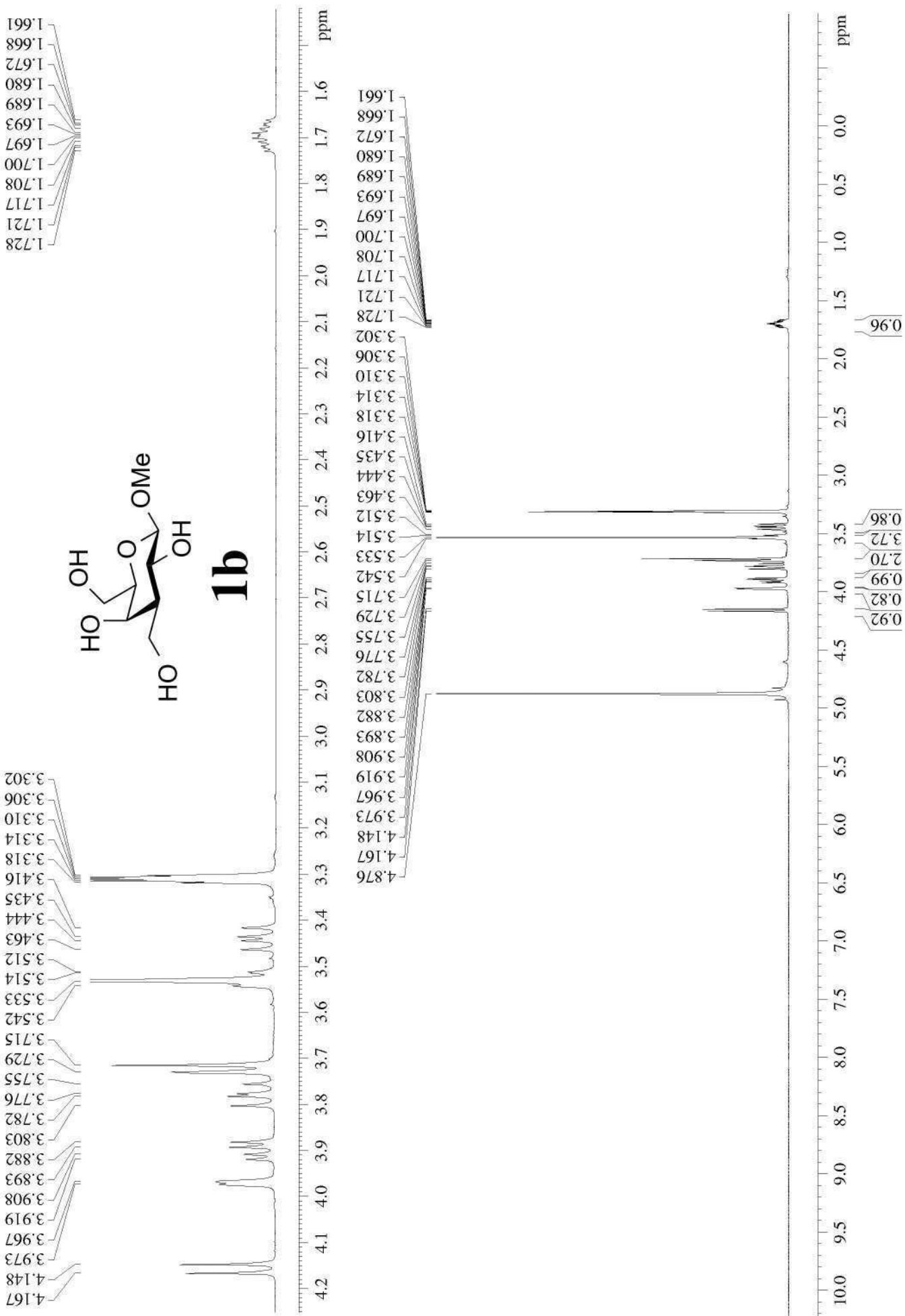


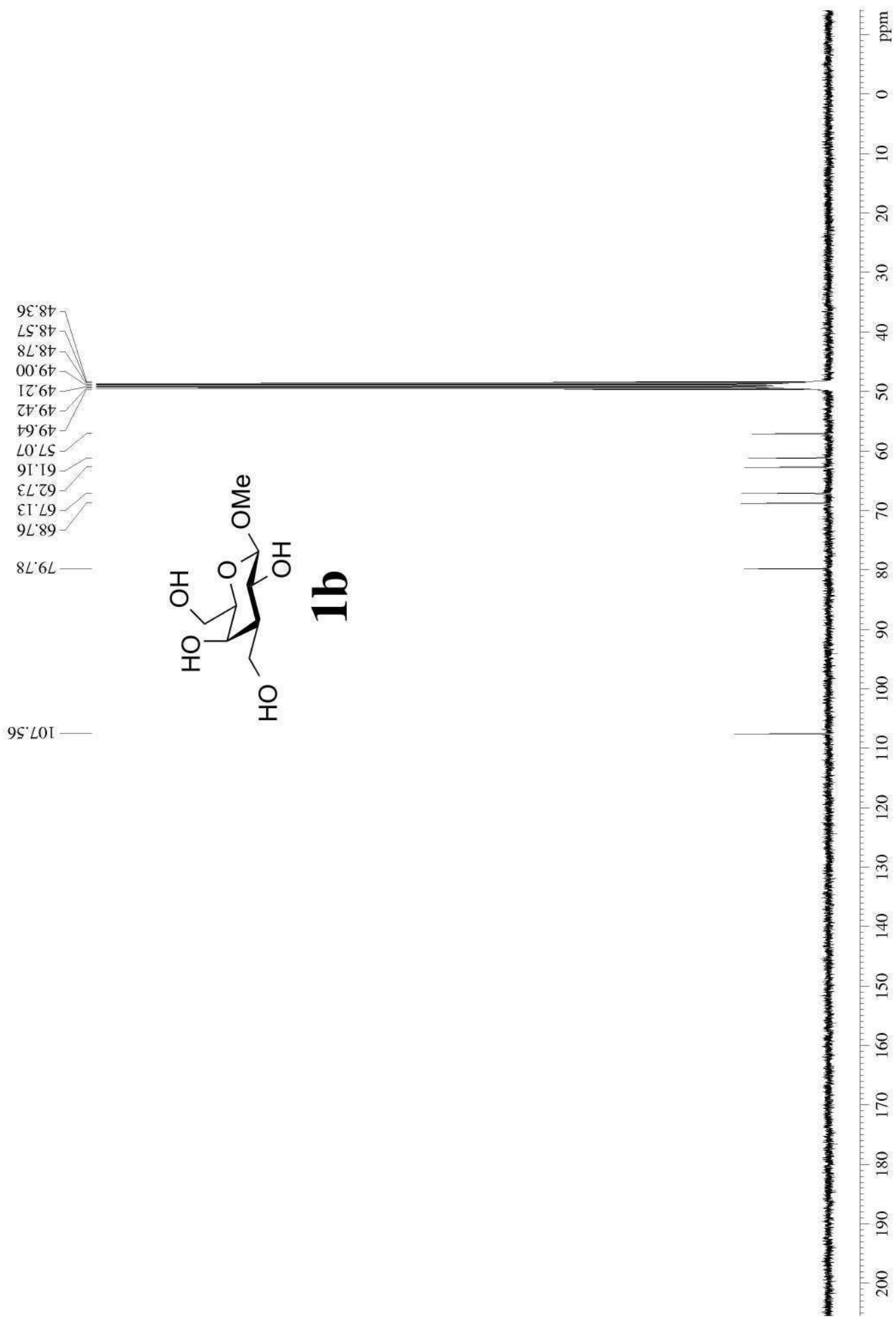


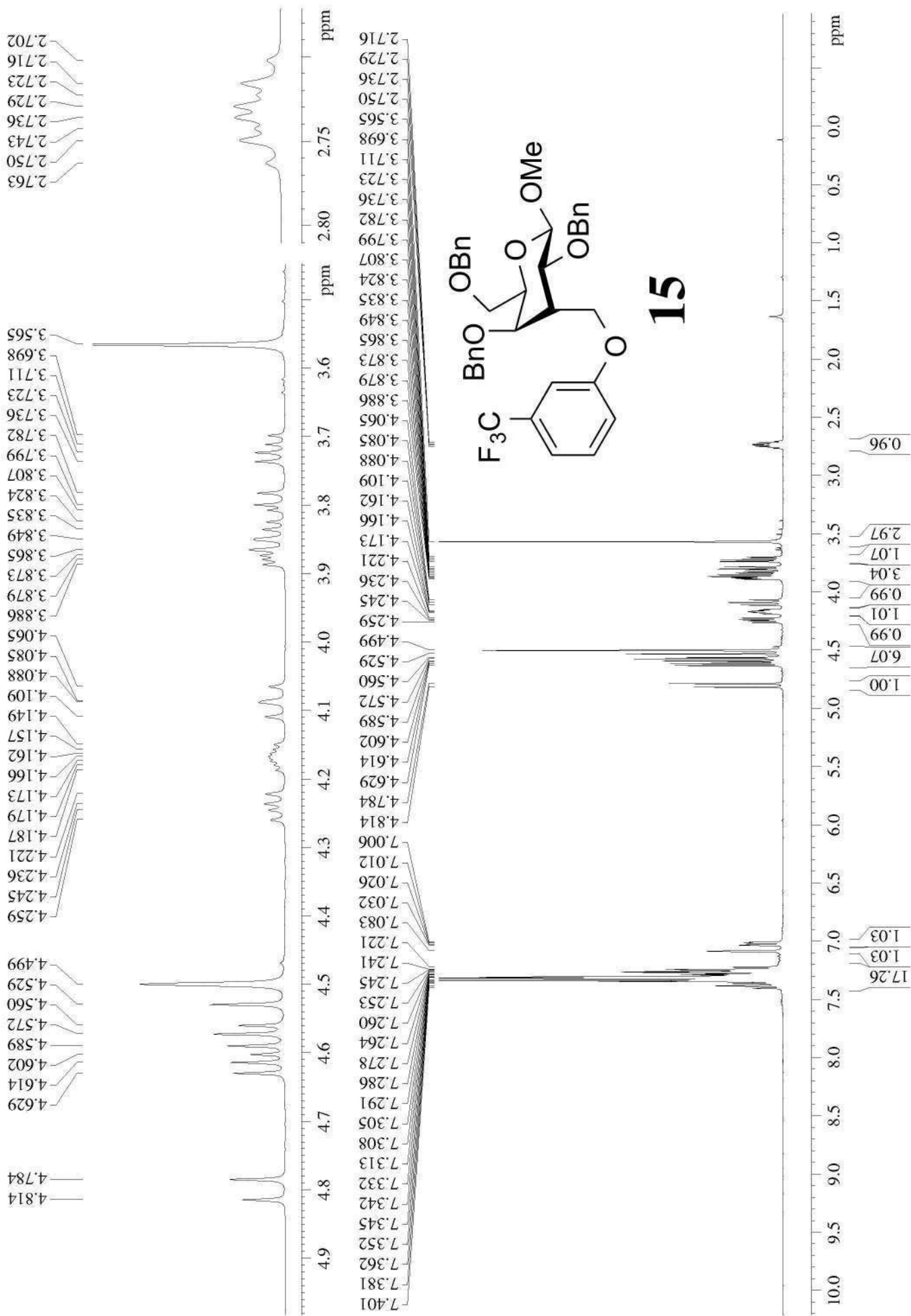


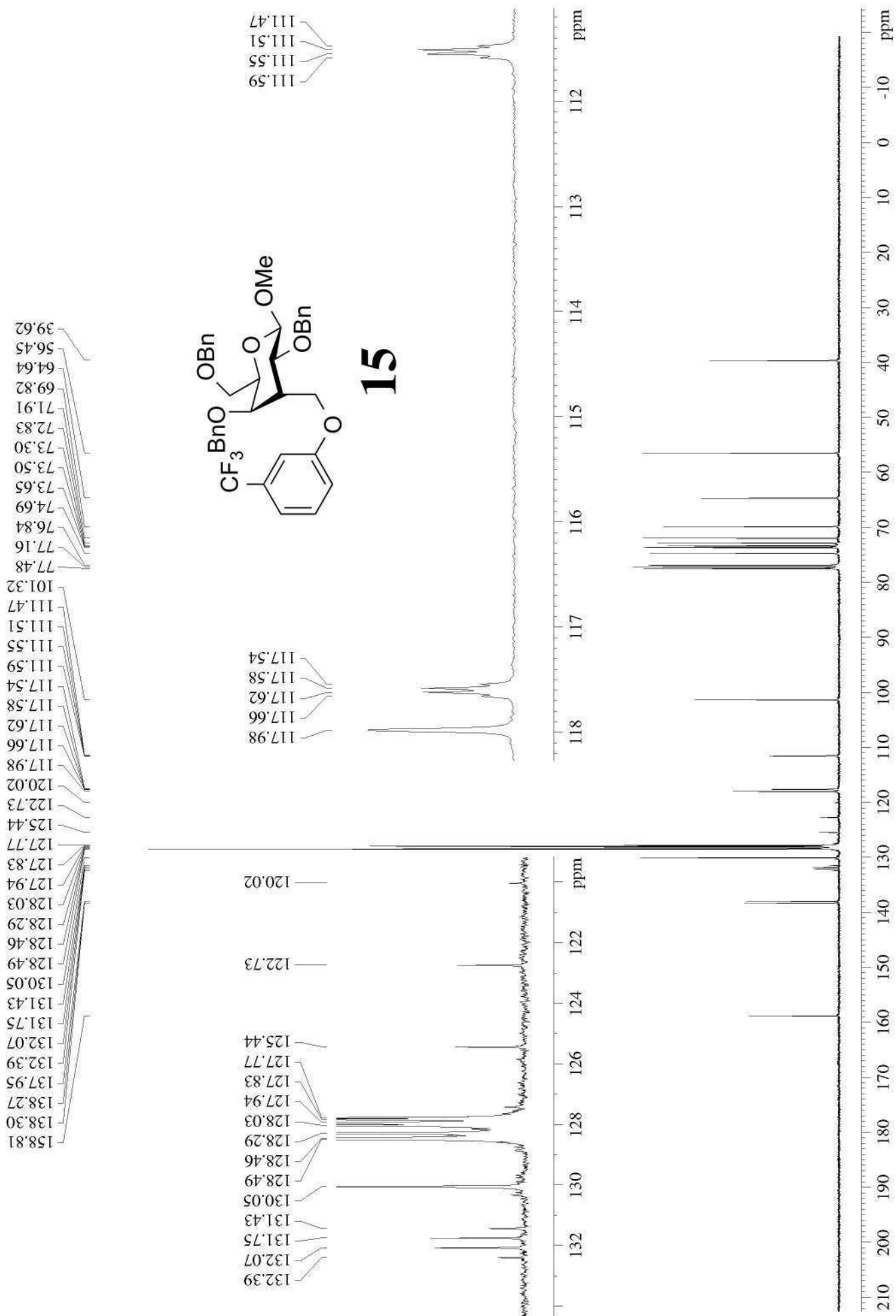


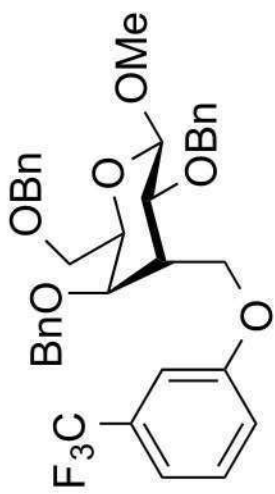








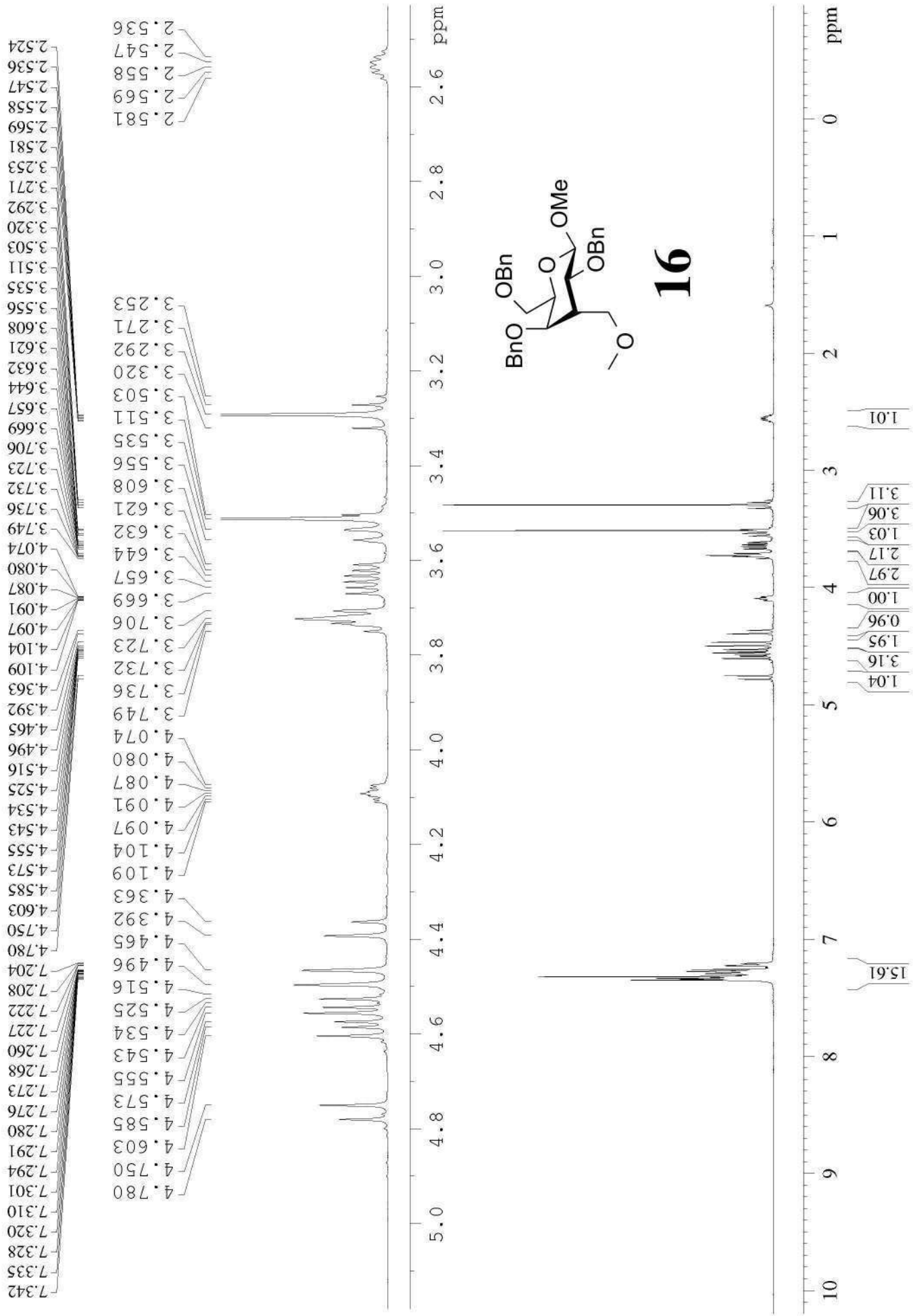


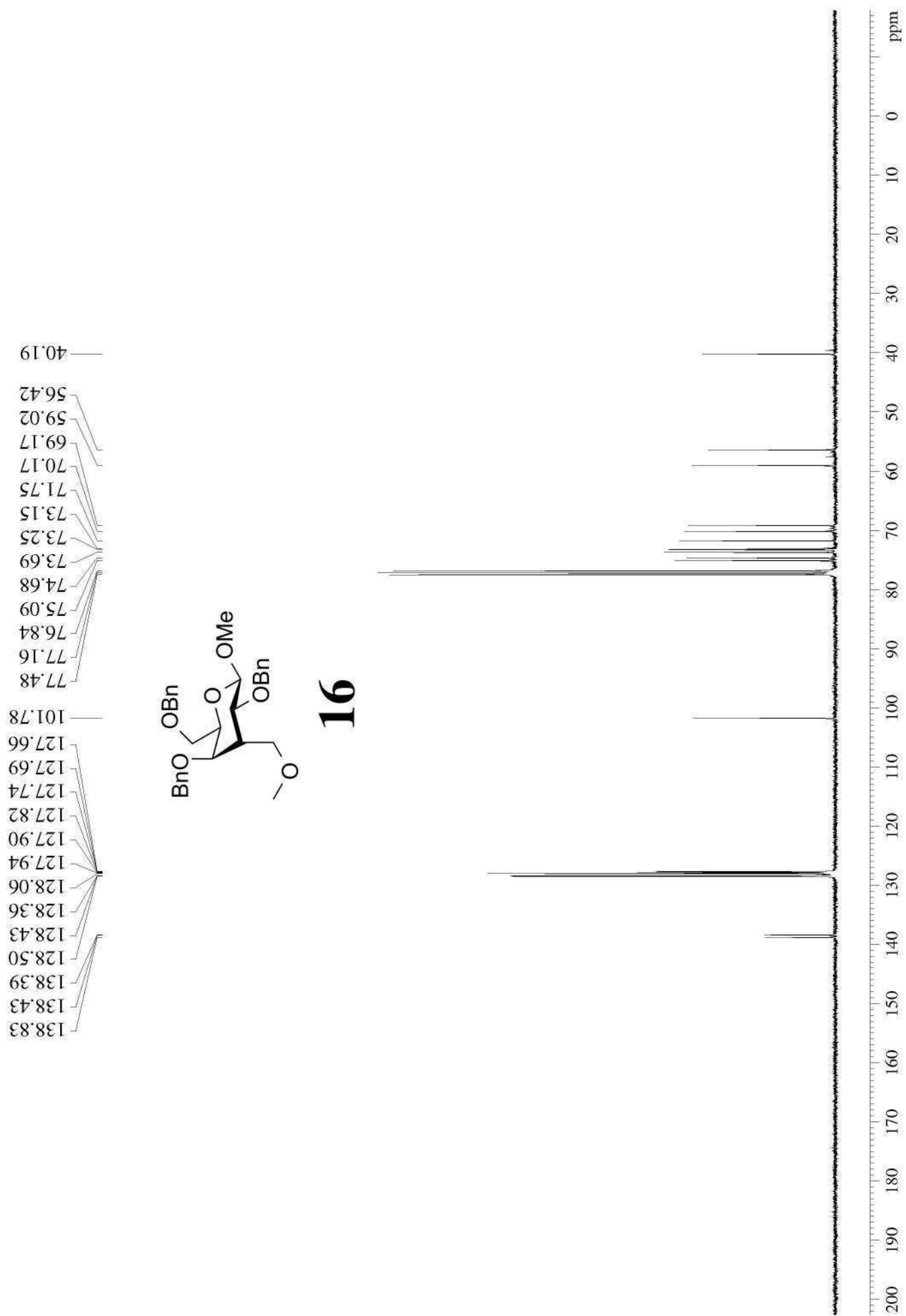


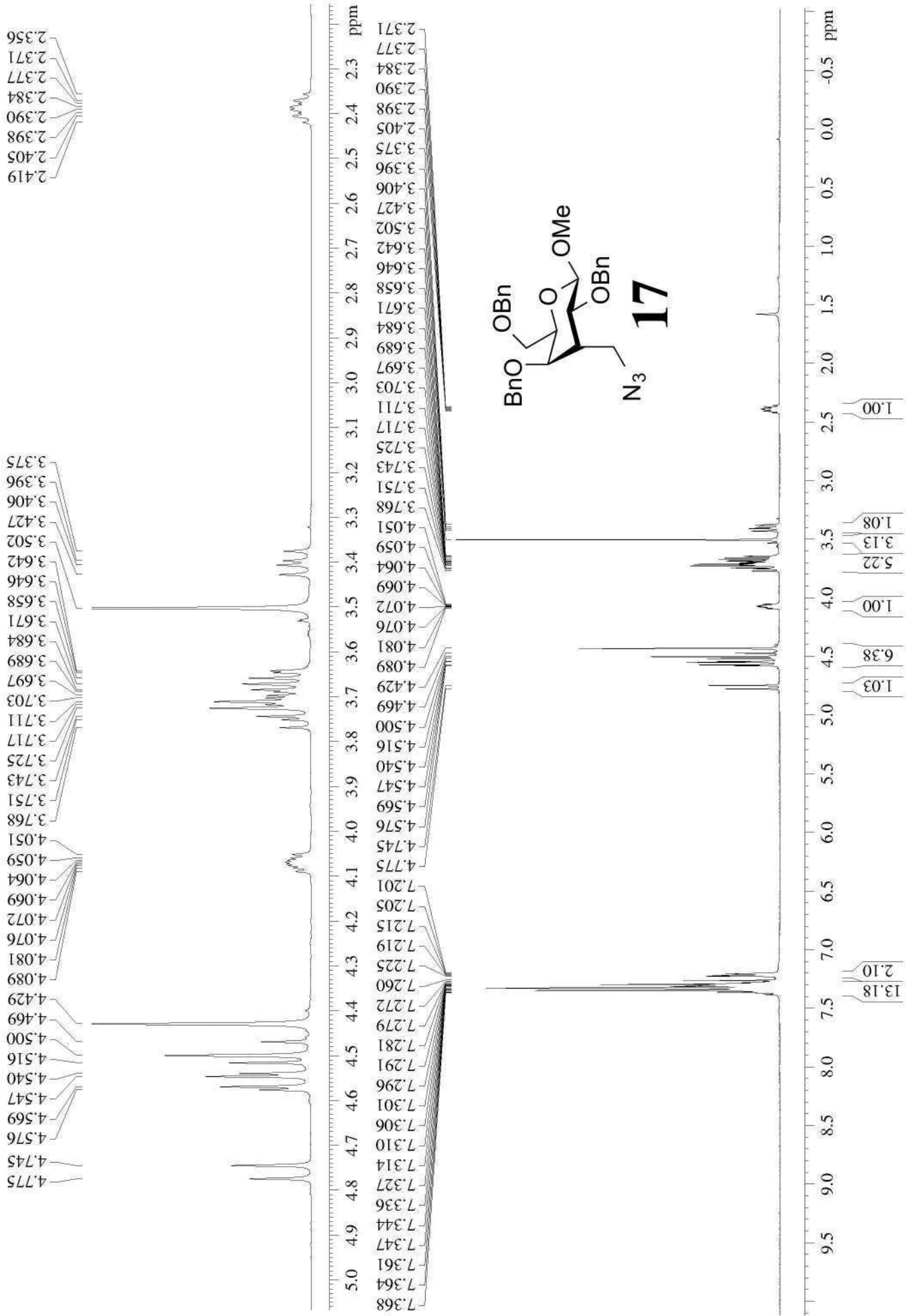
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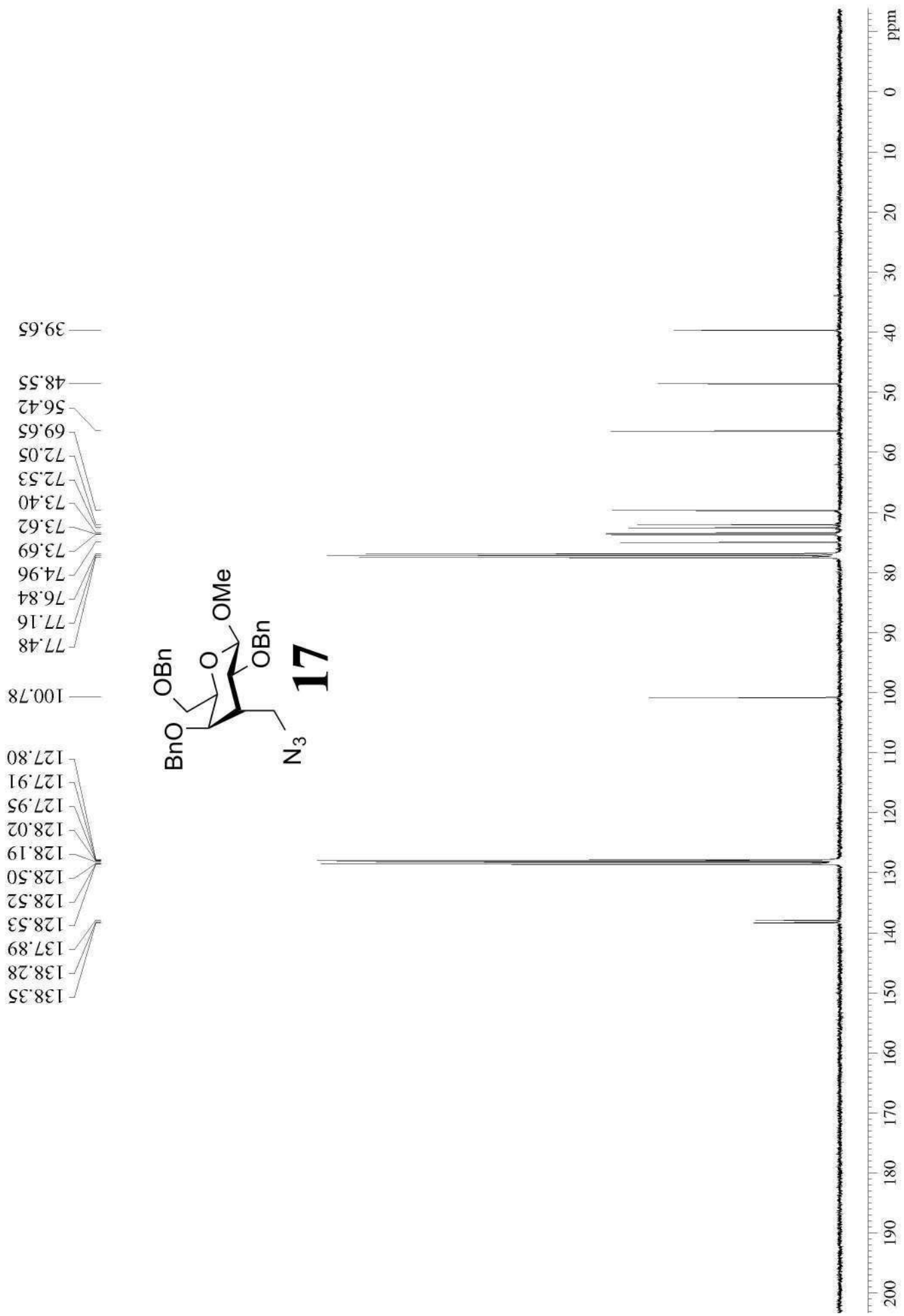
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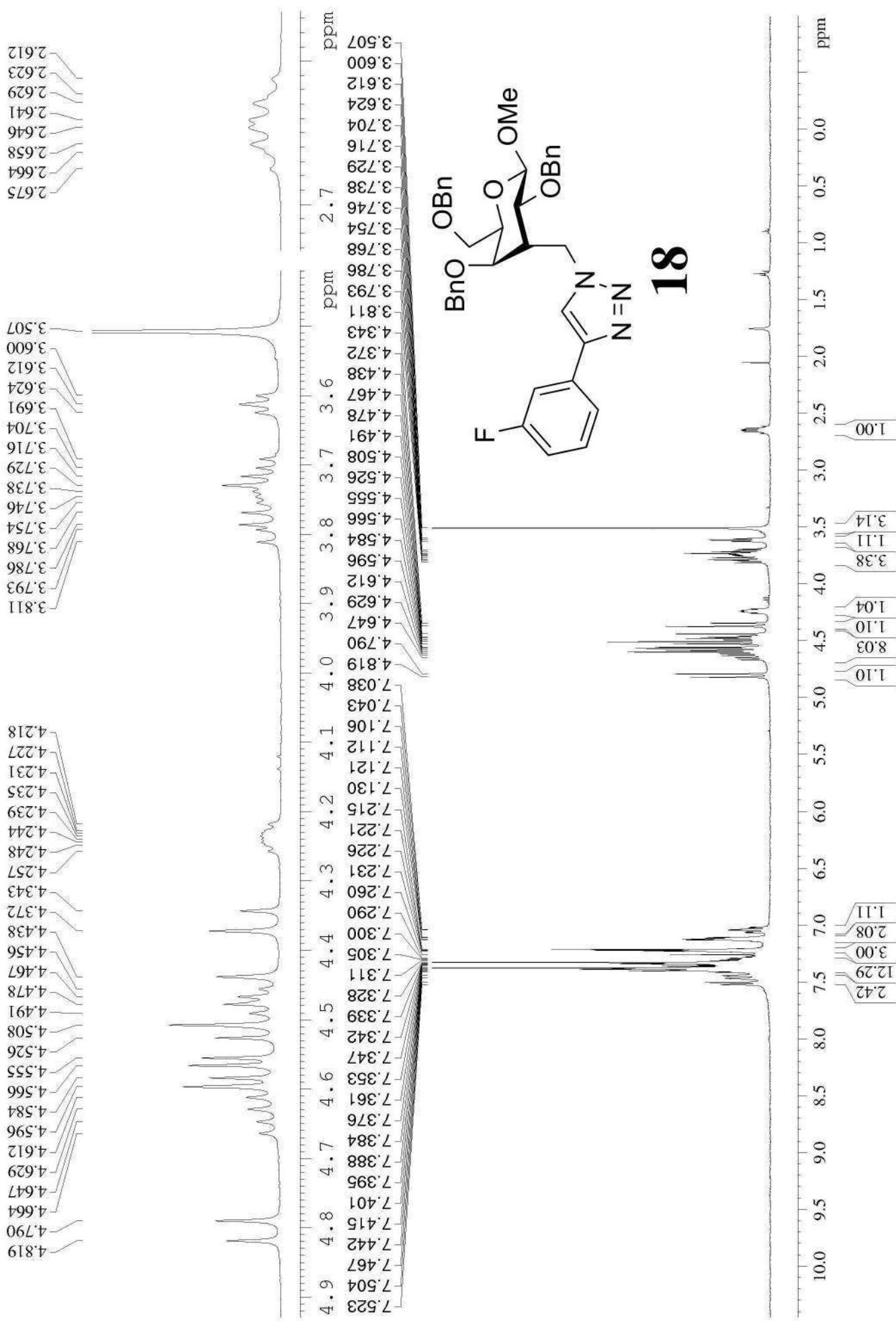


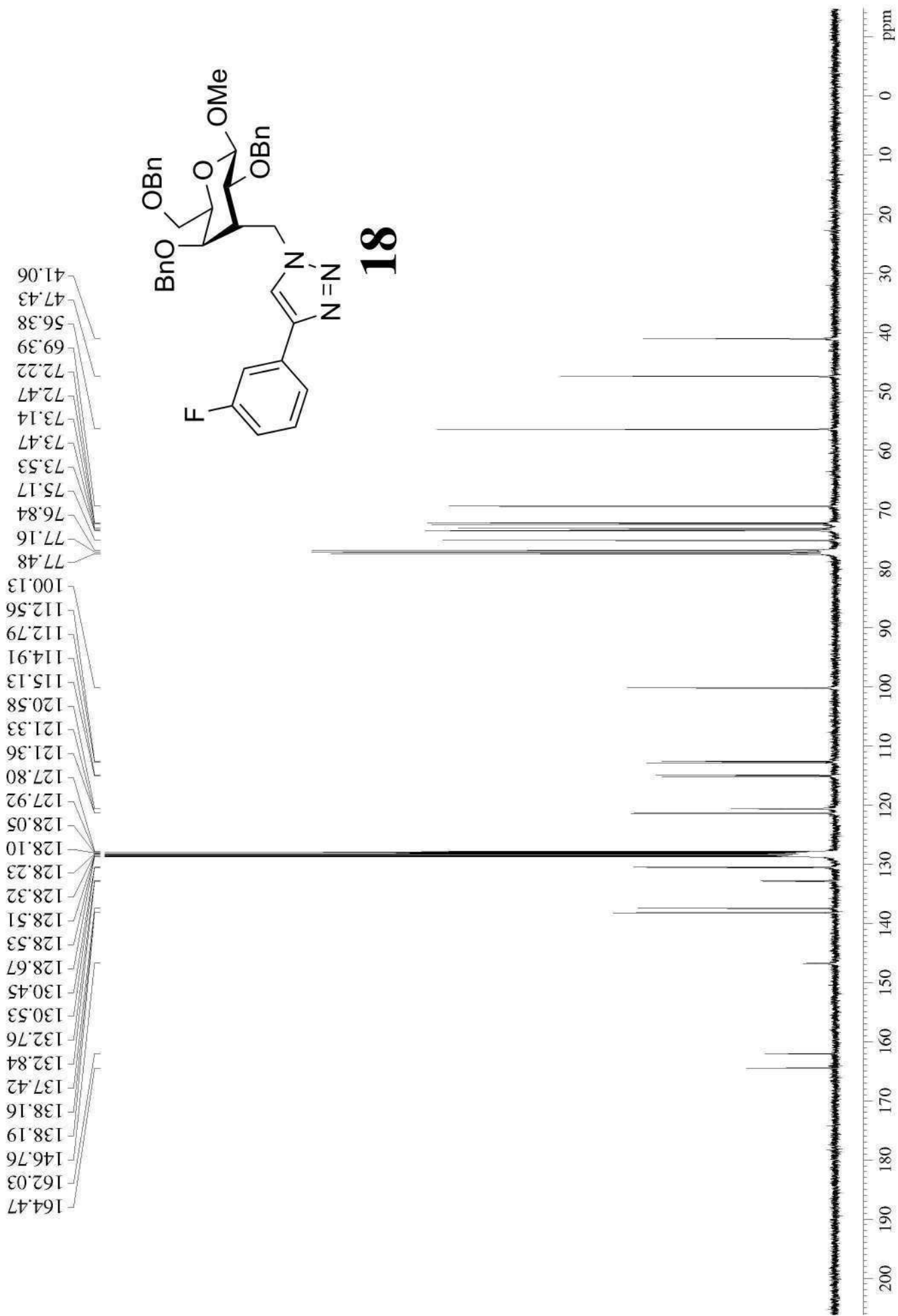


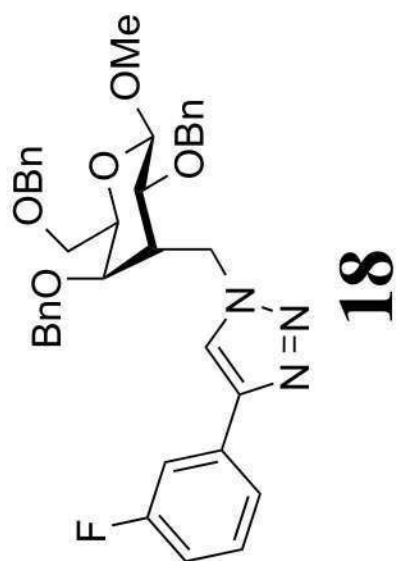






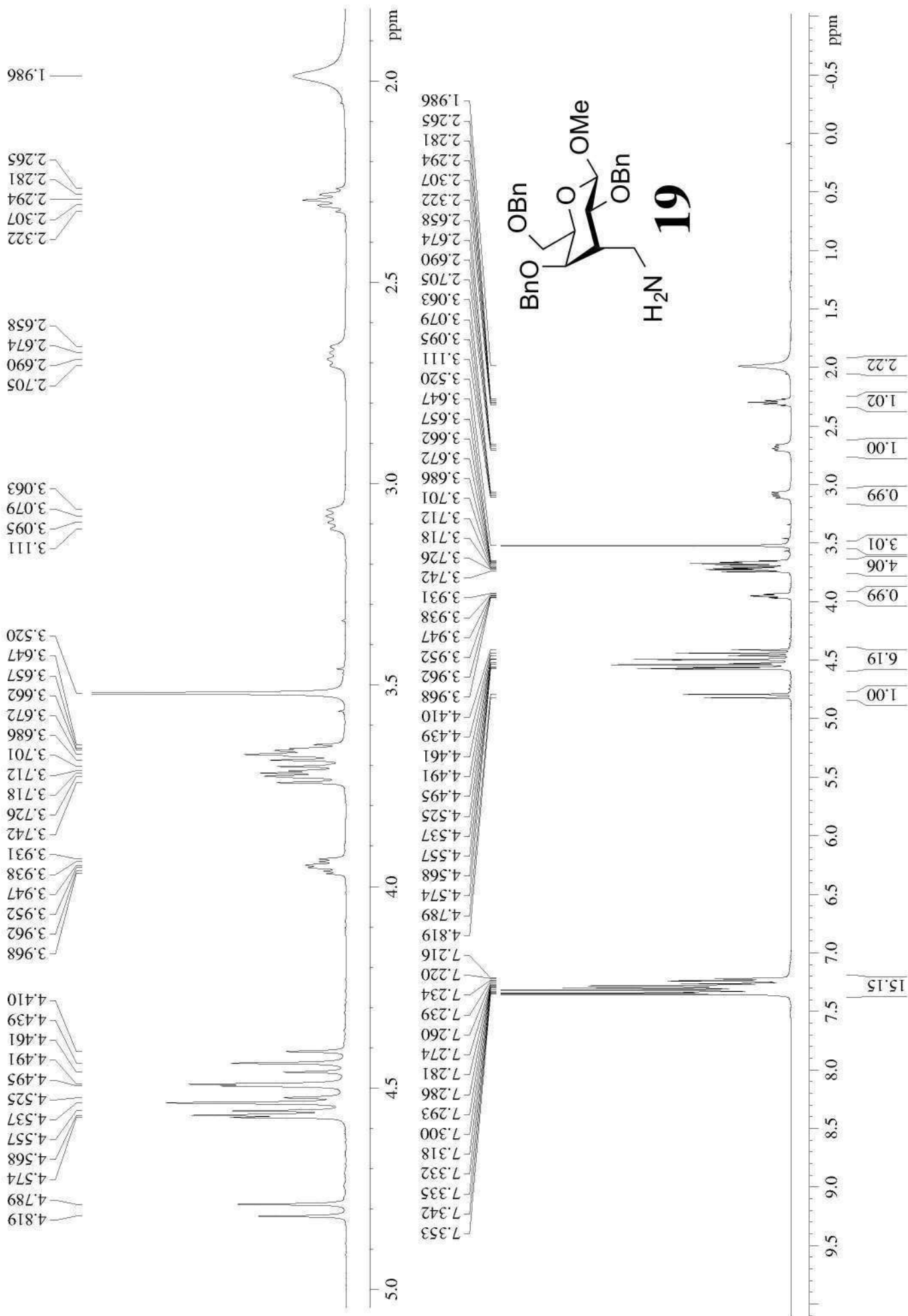


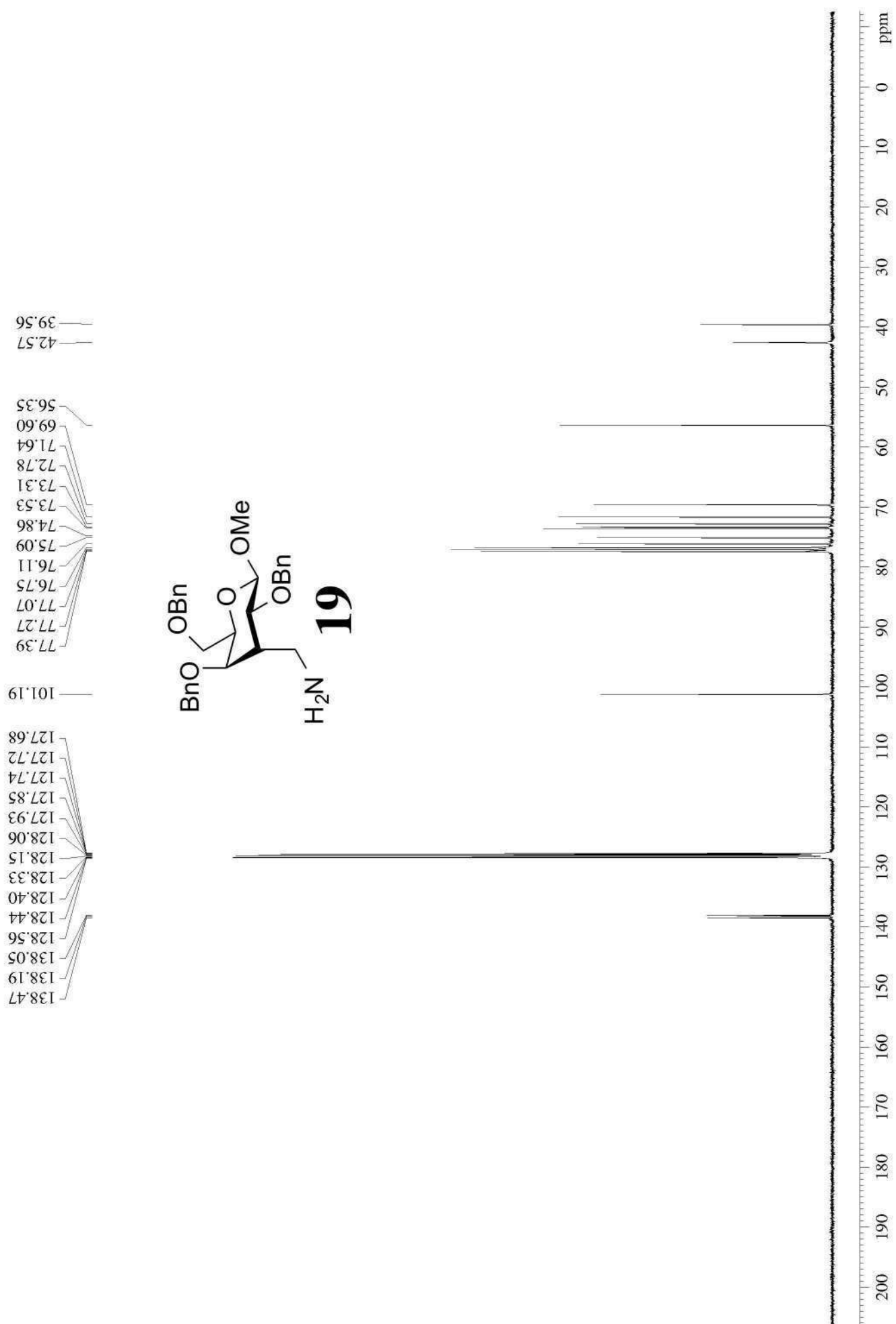


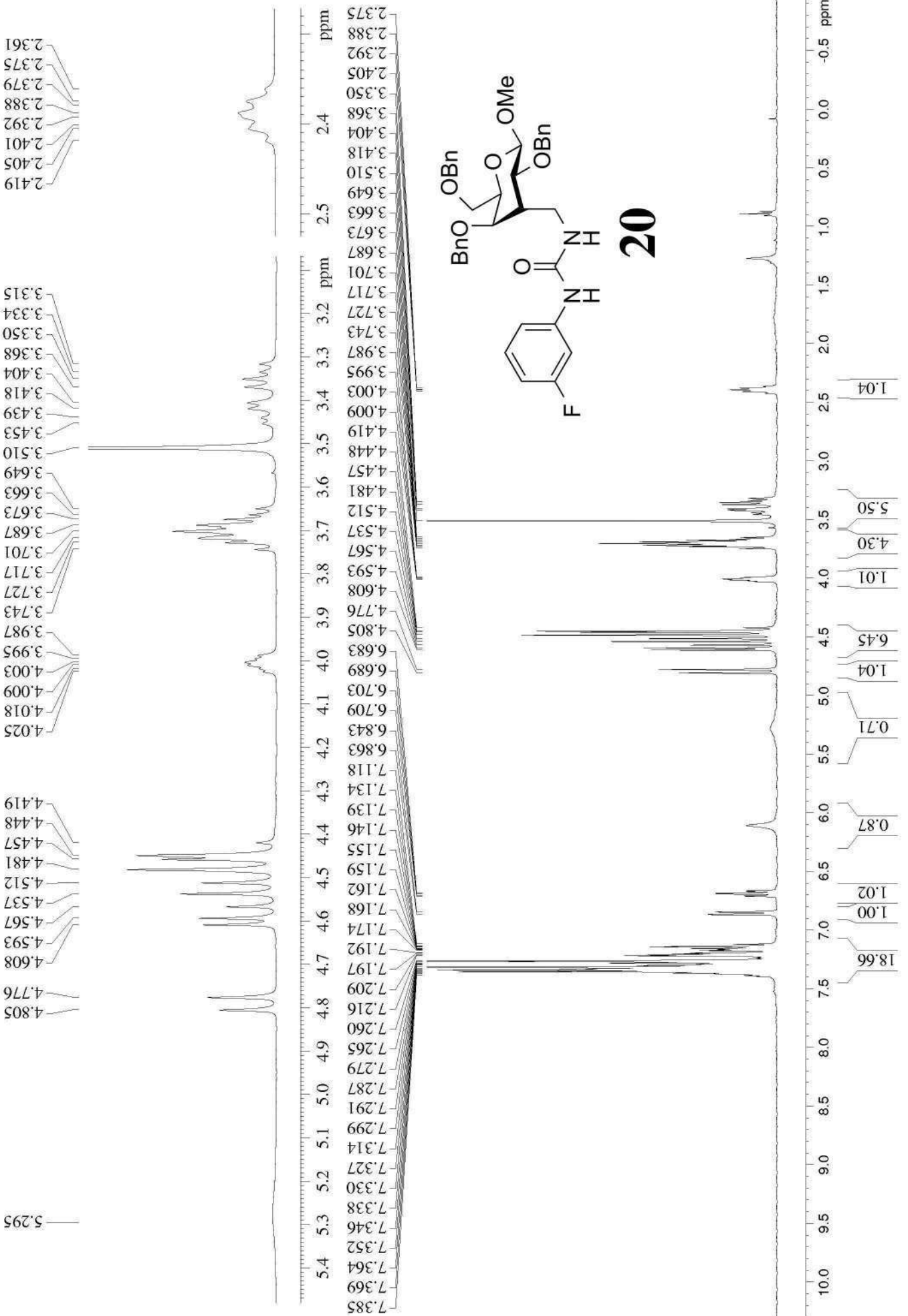


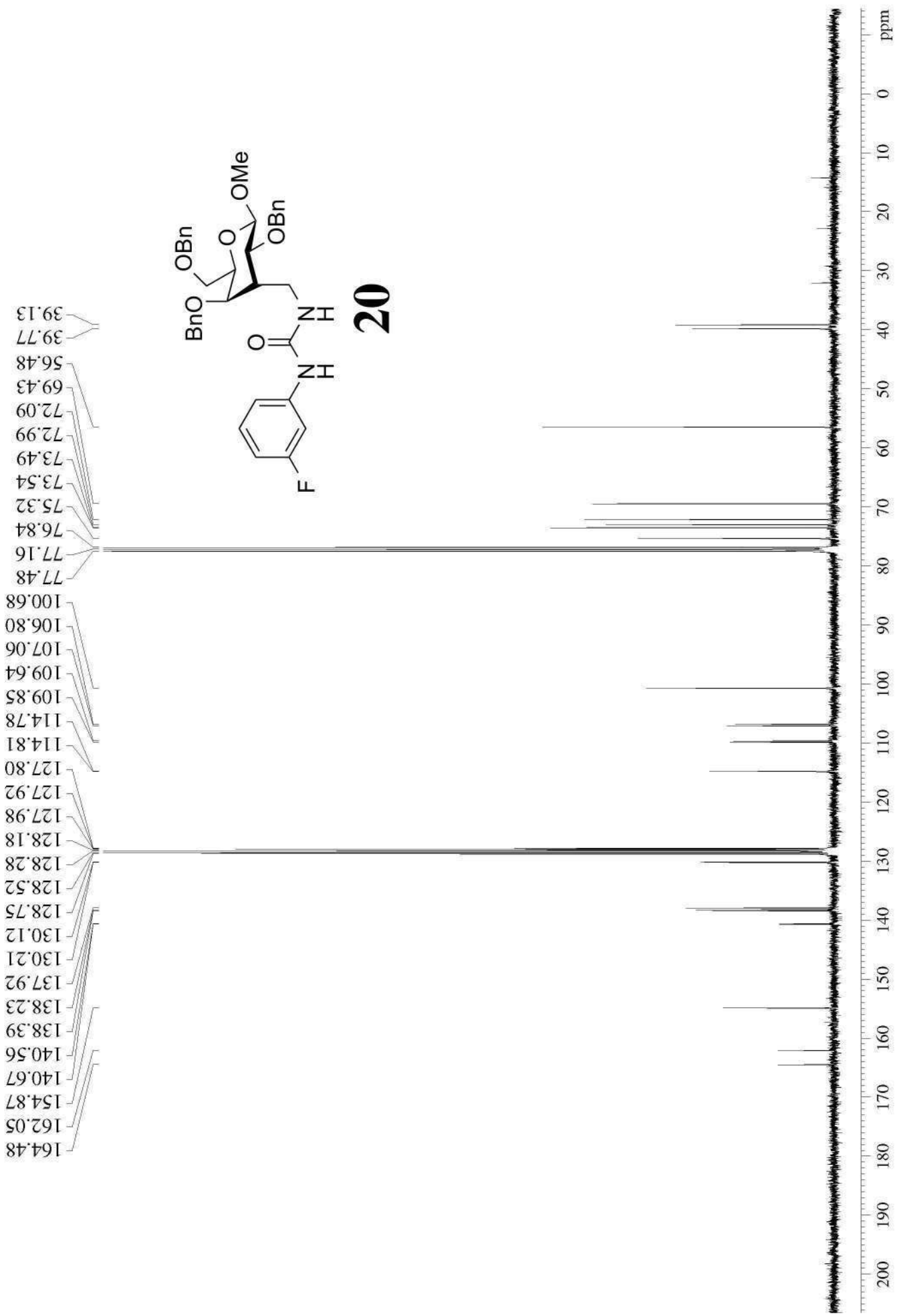
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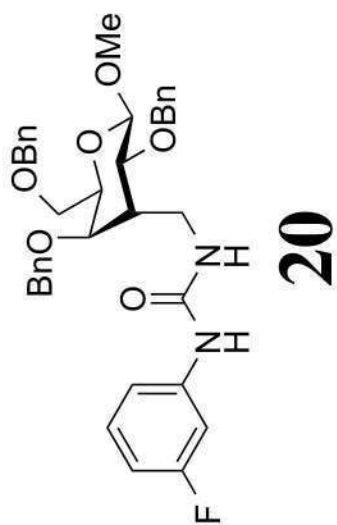








-111.64



ppm

-200

-180

-160

-140

-120

-100

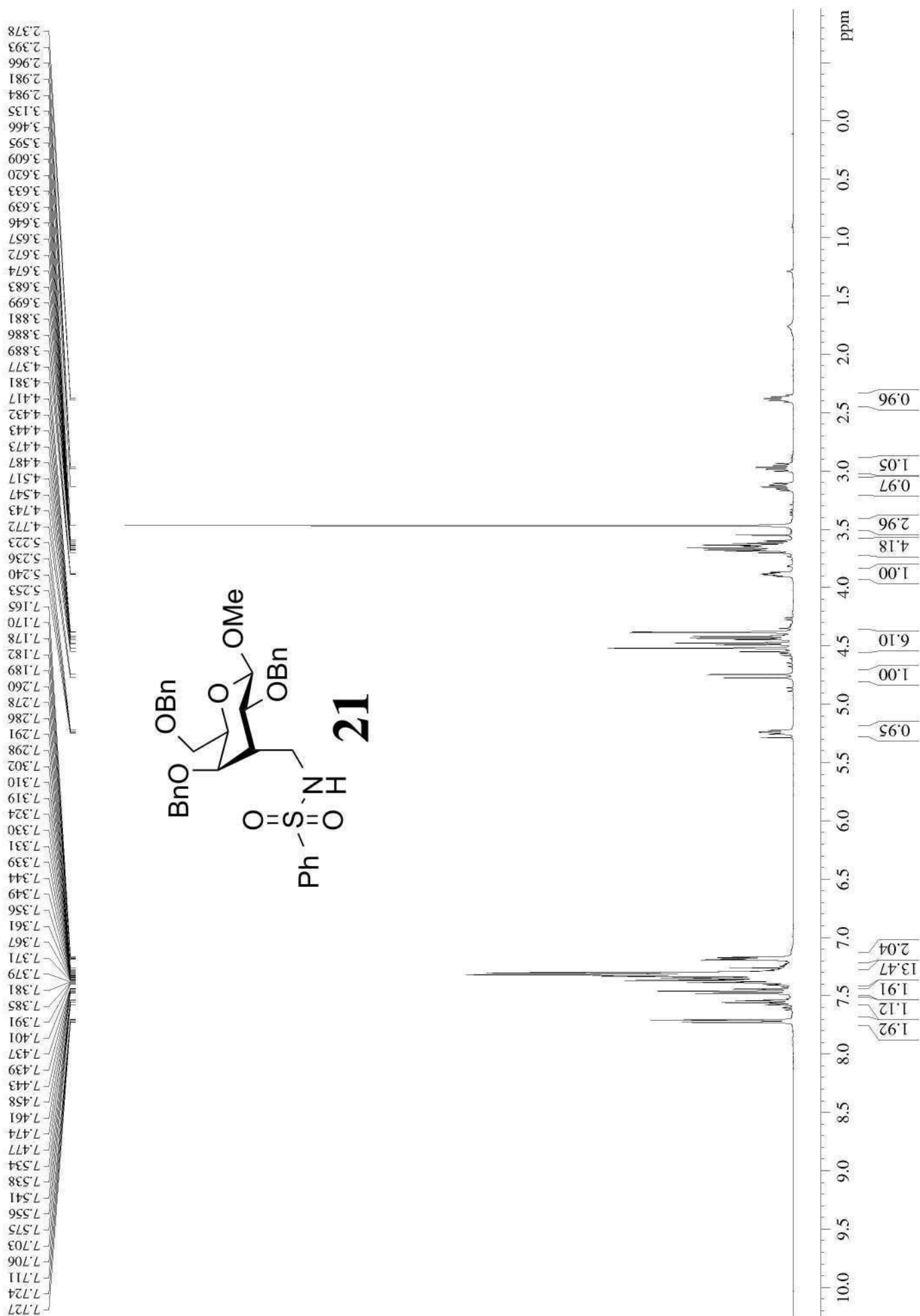
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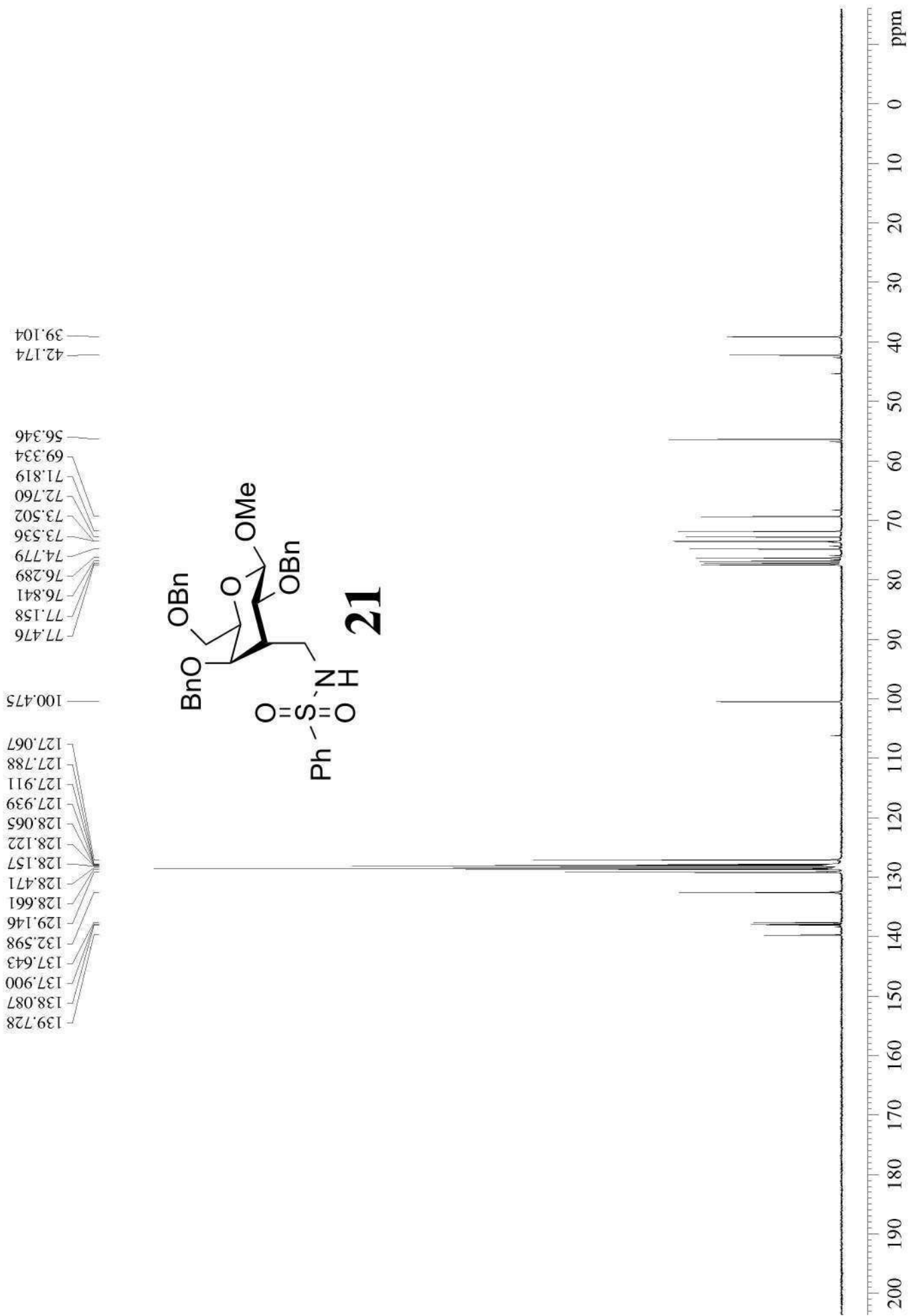
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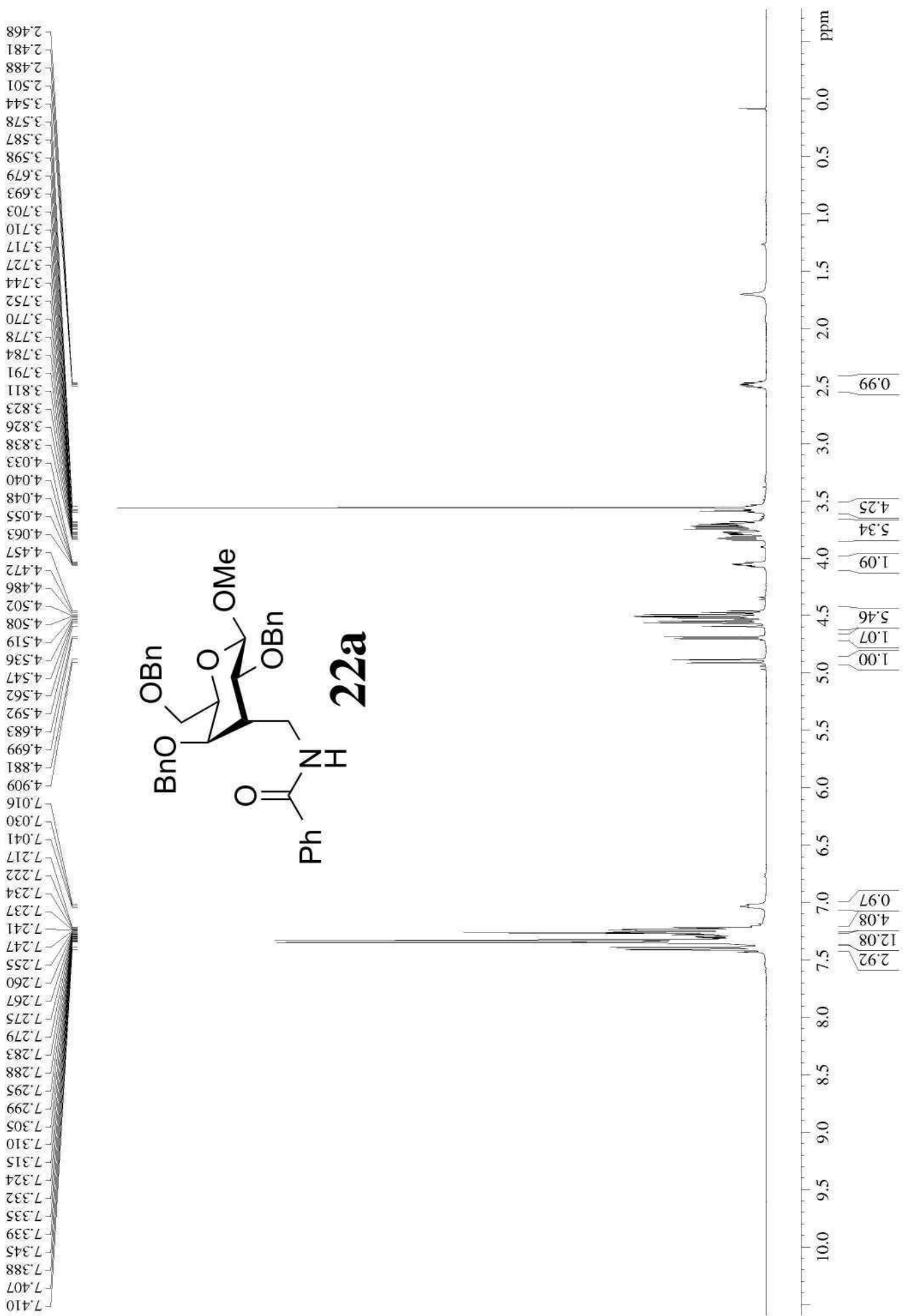
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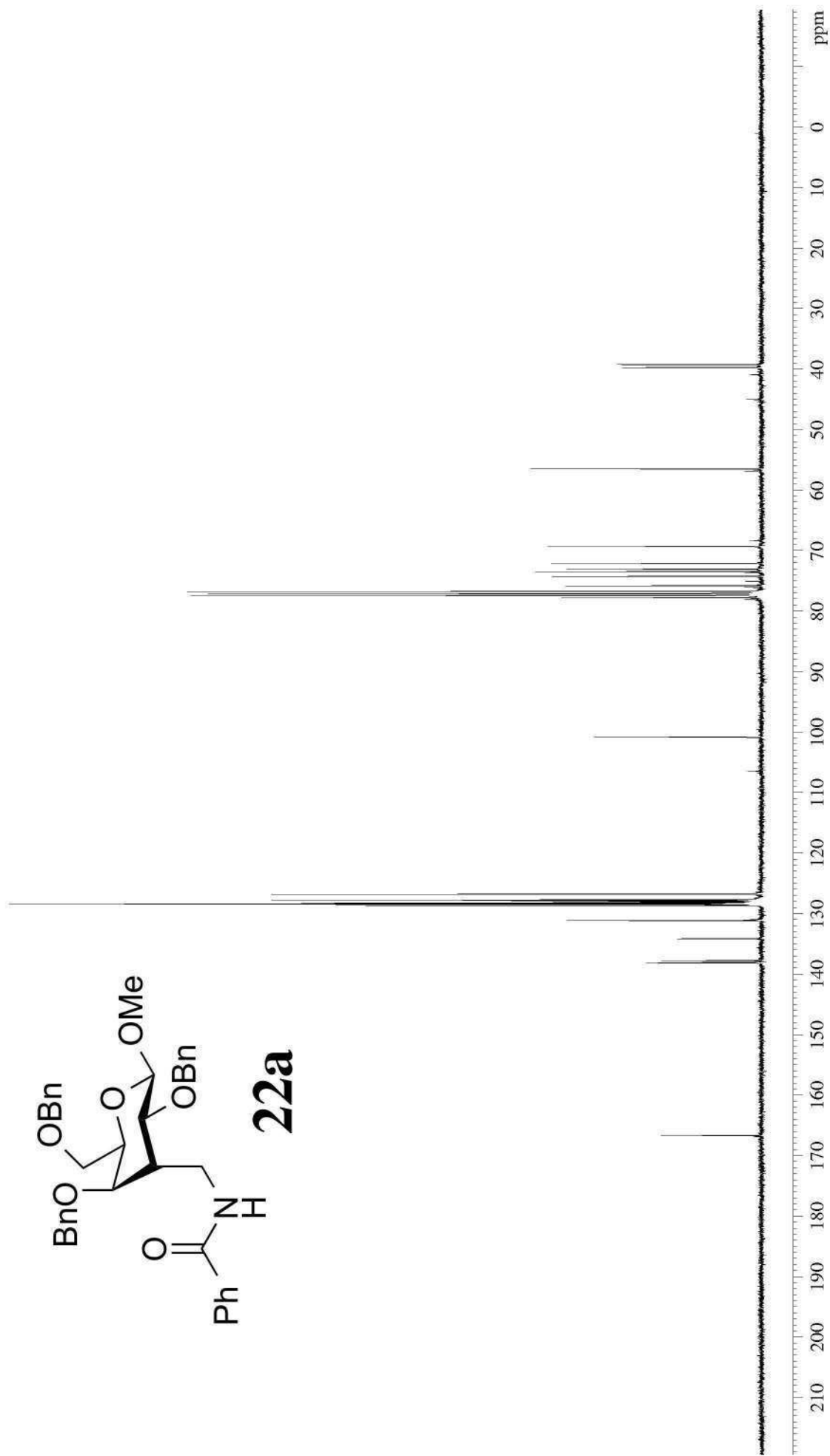
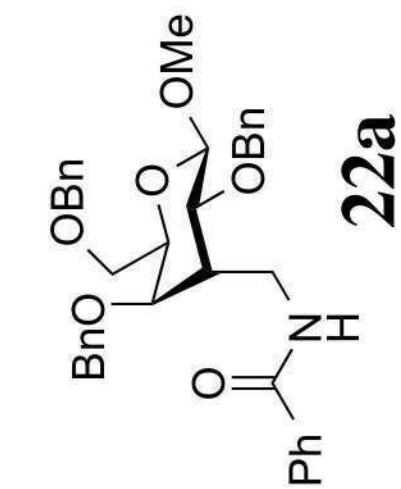
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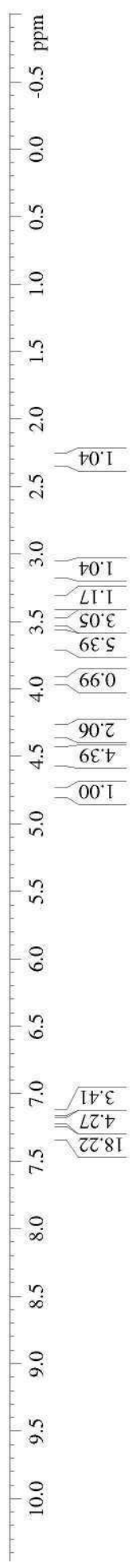
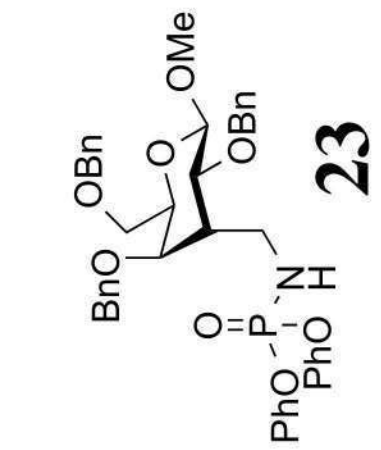




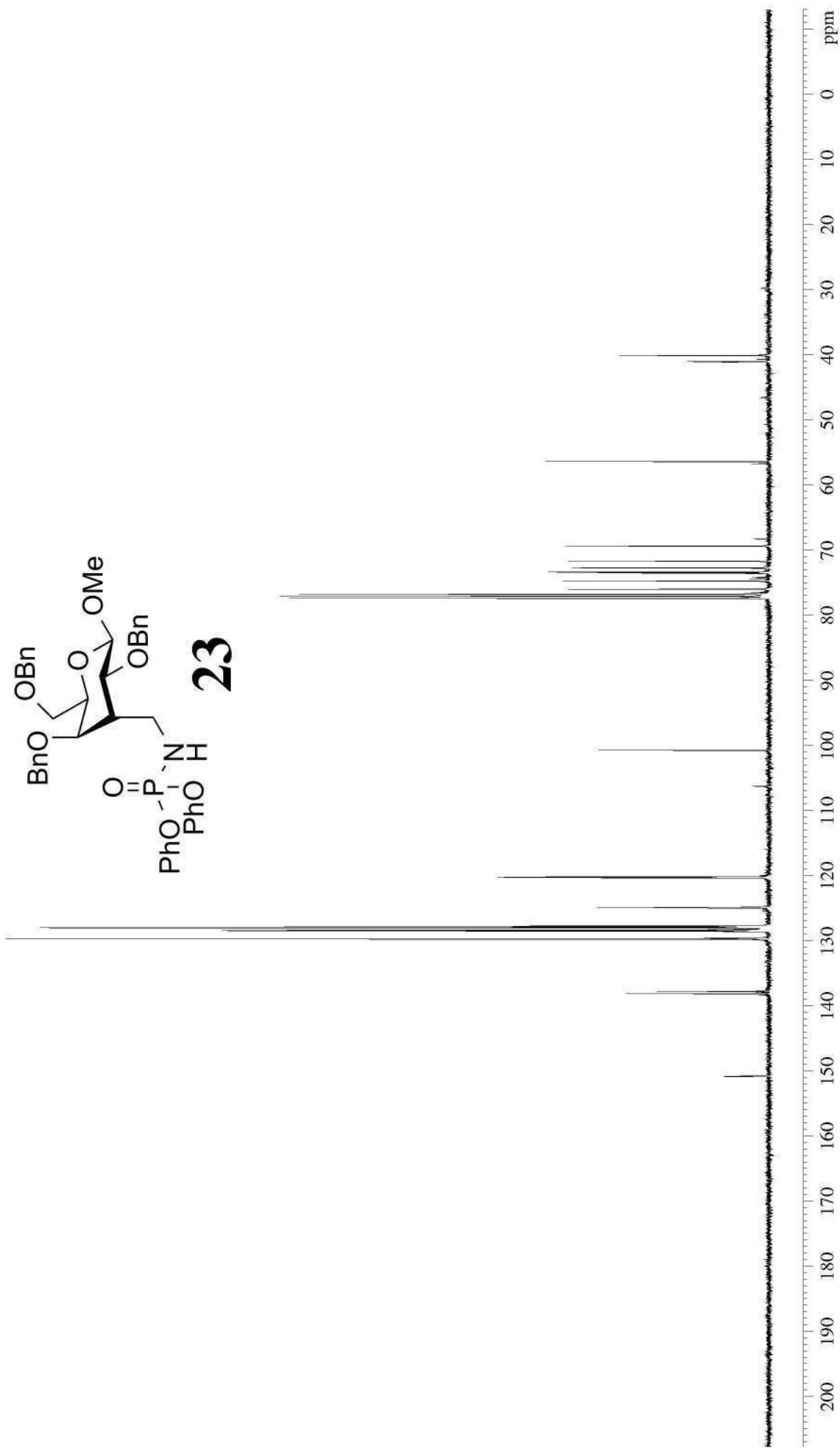
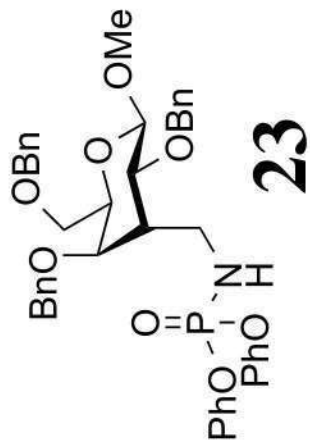
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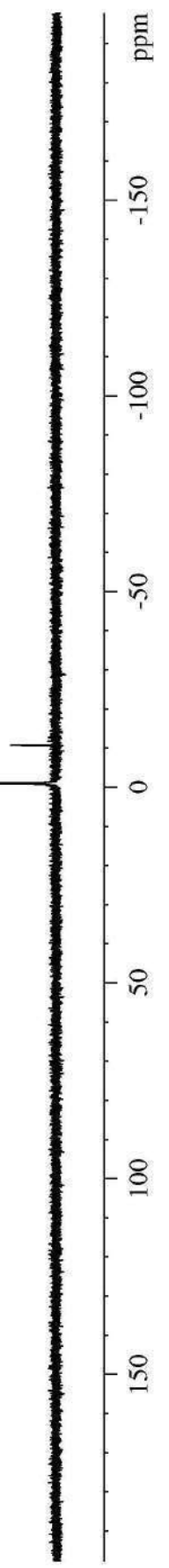
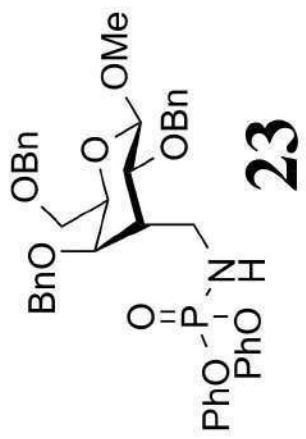
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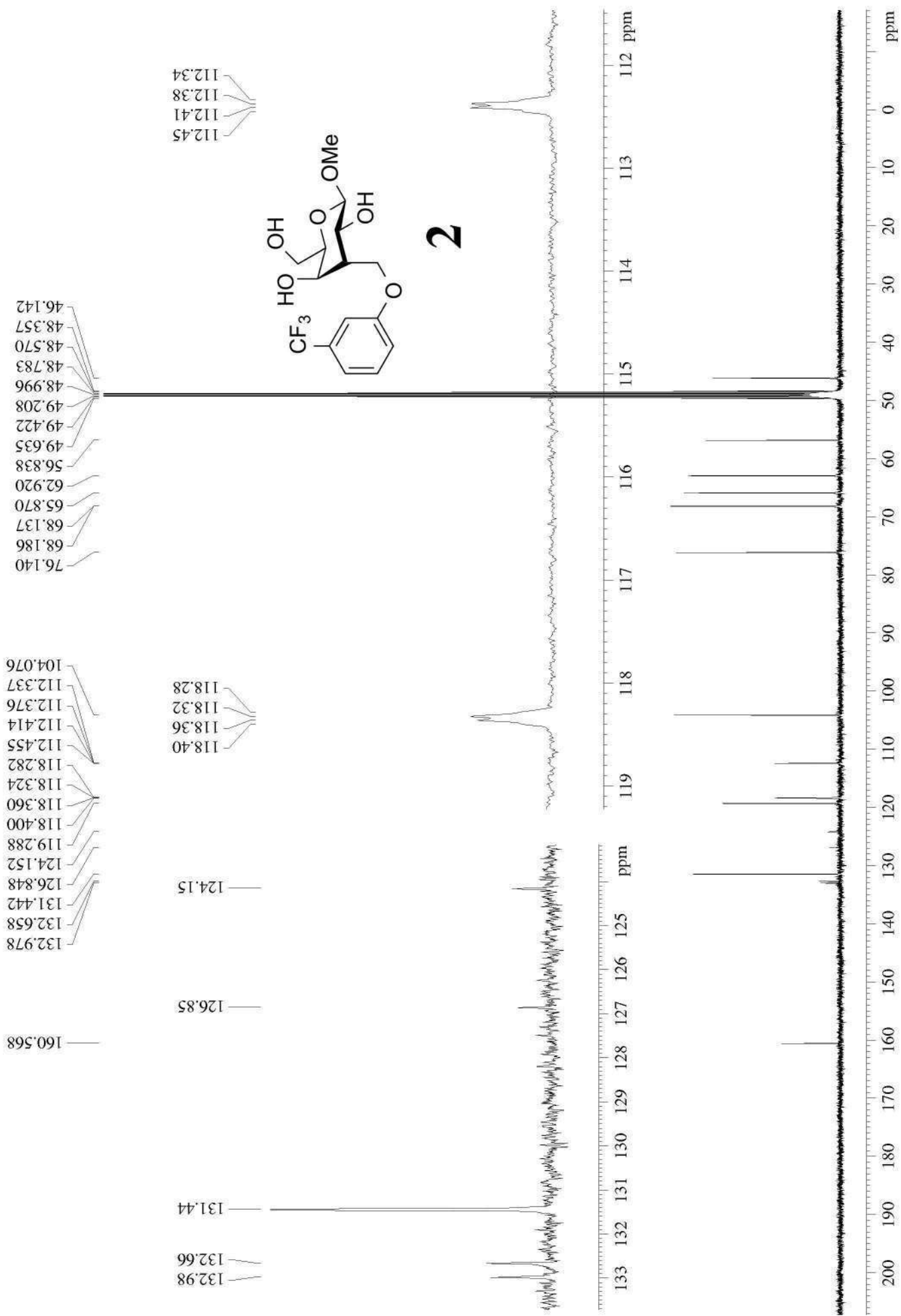


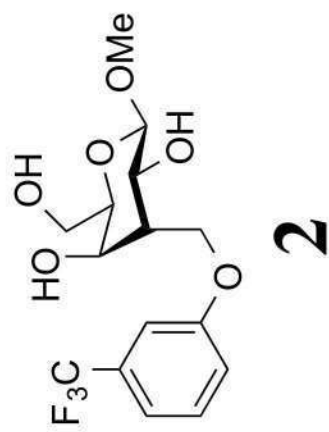
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10.1

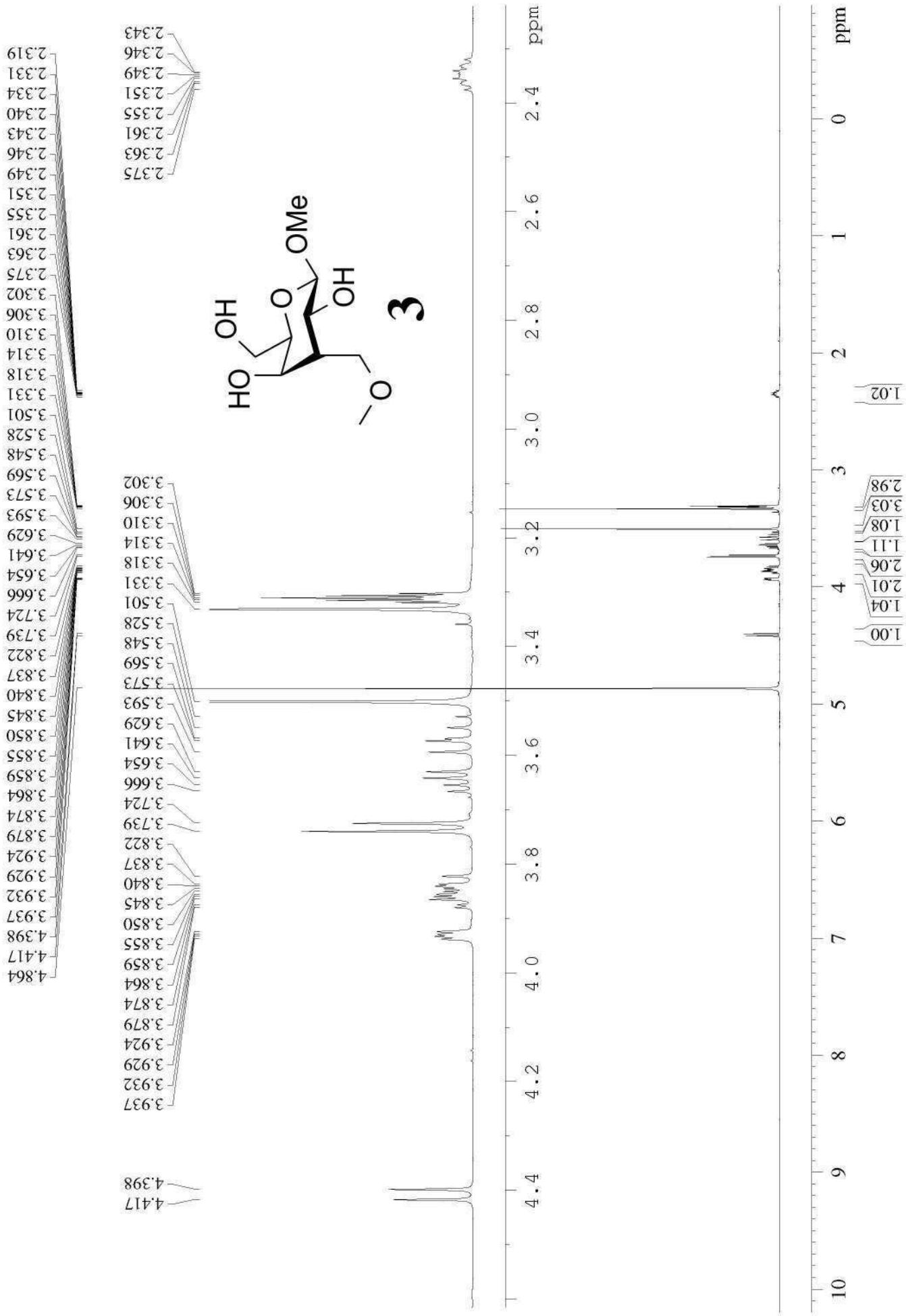


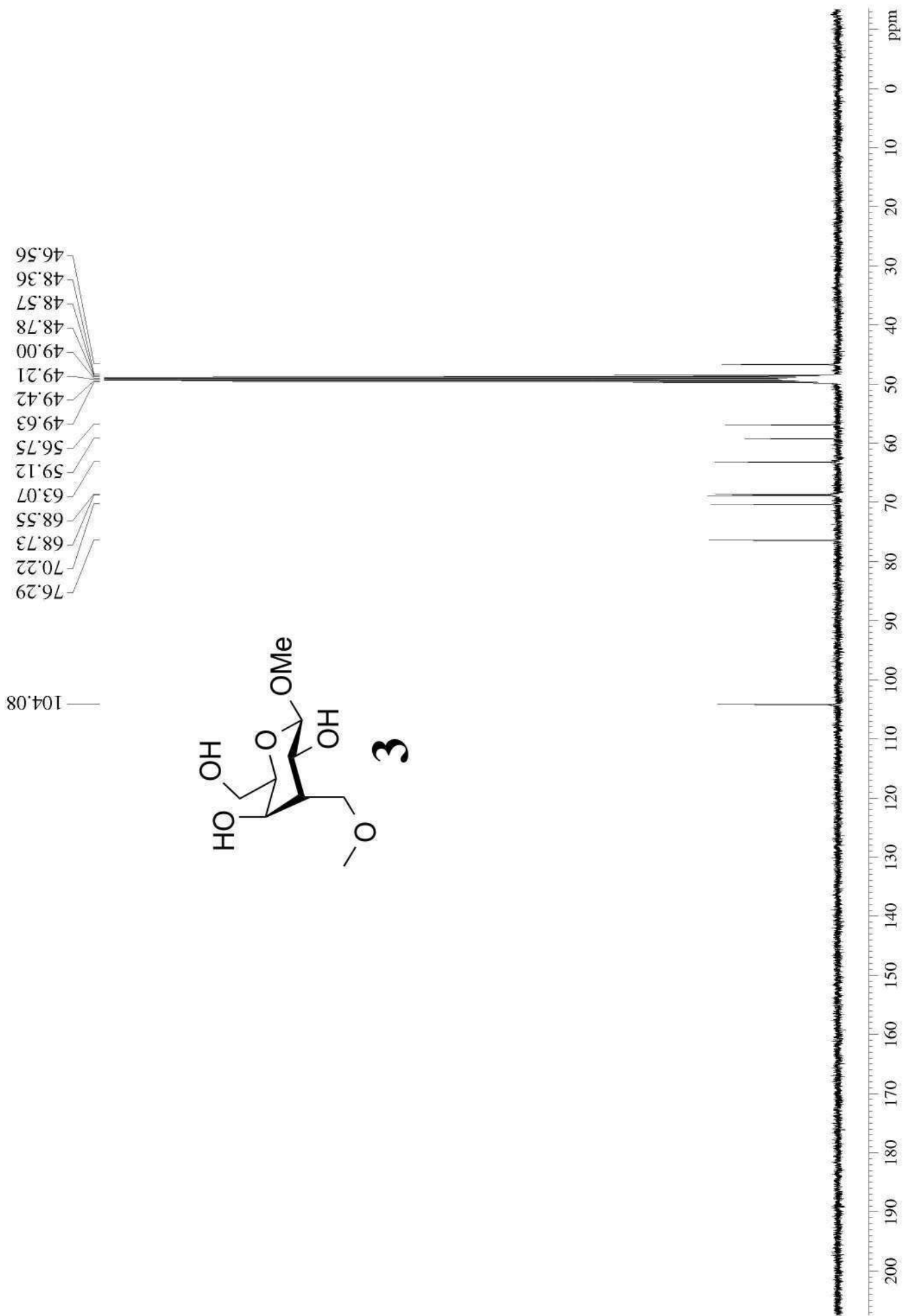


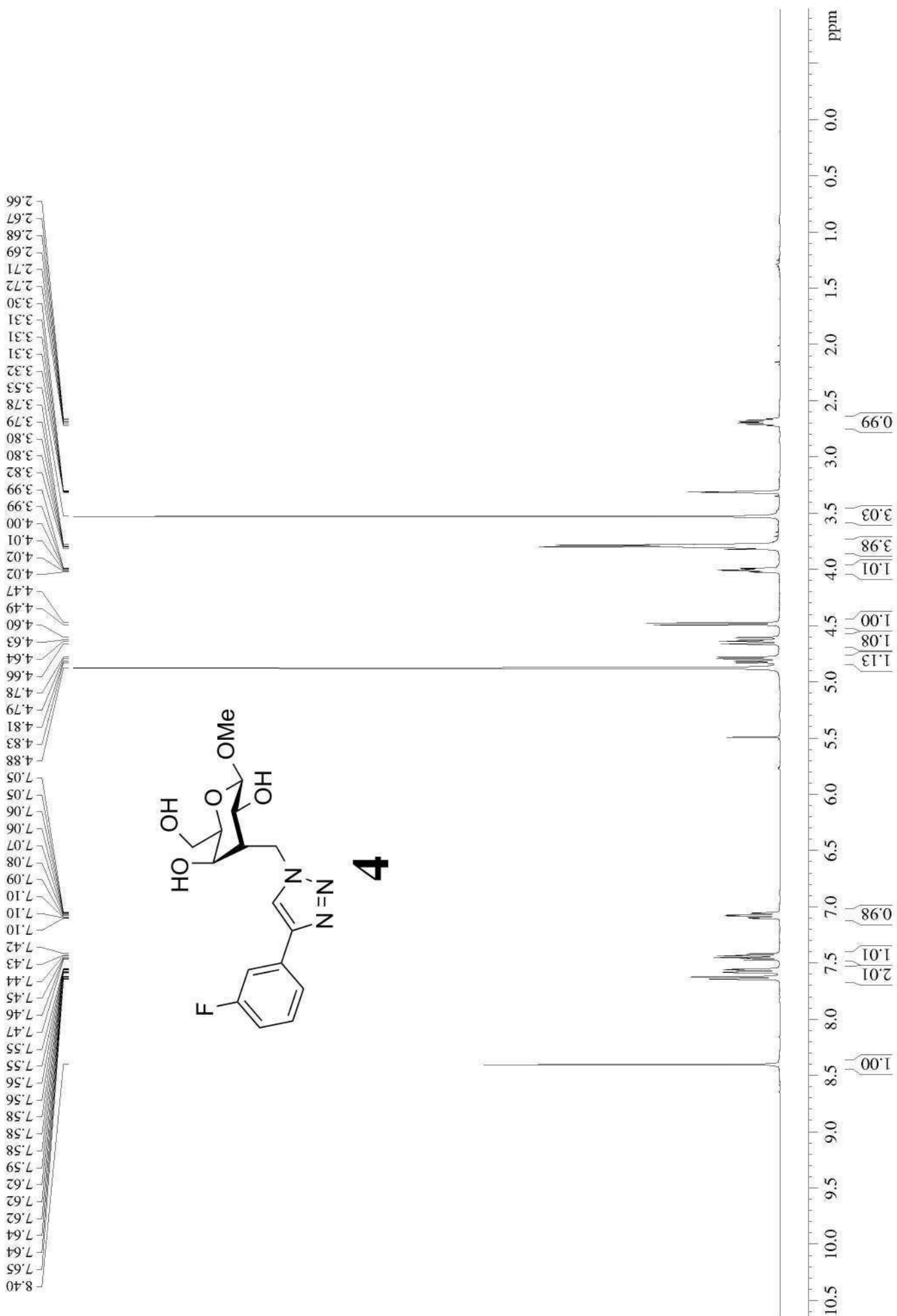


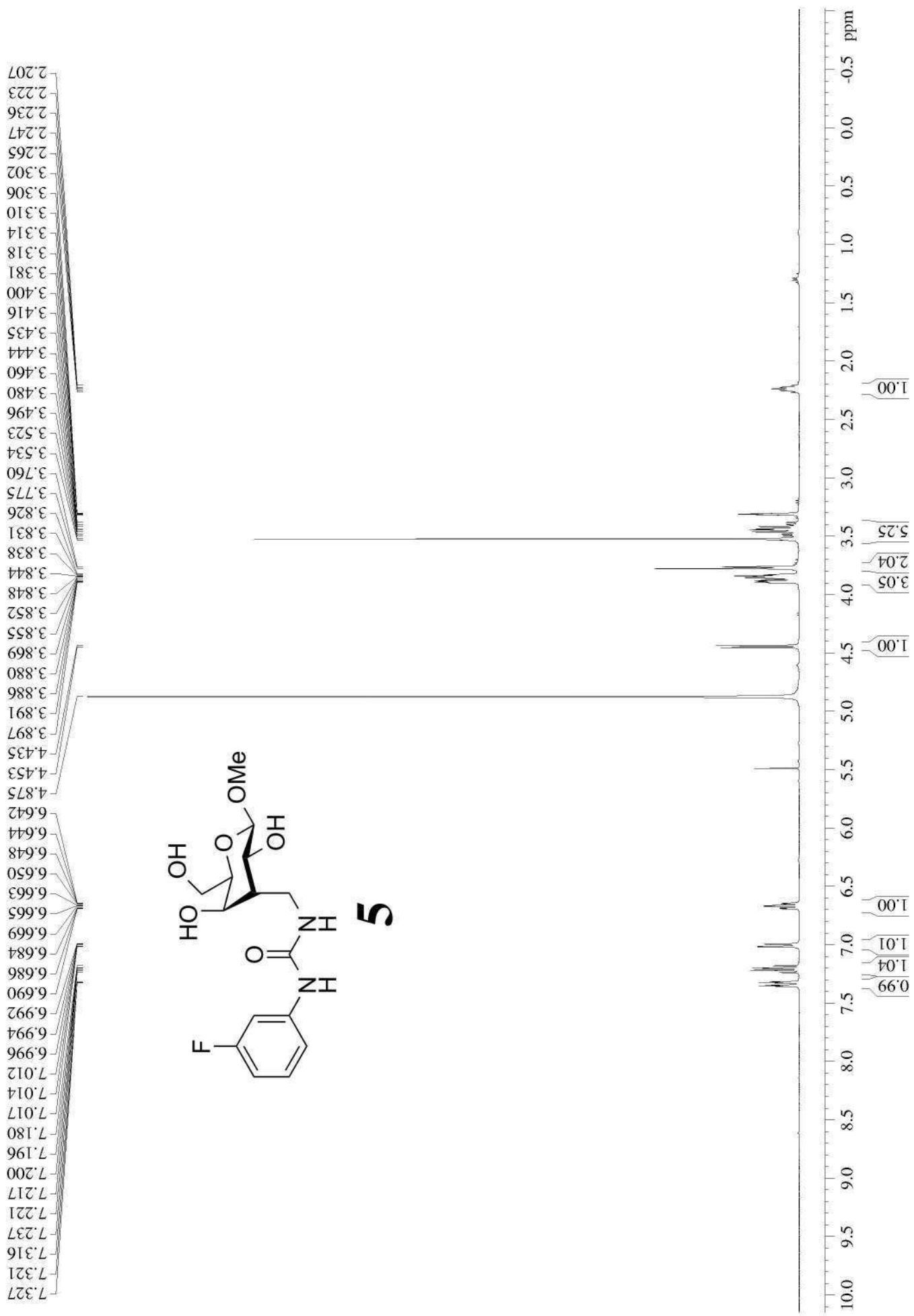
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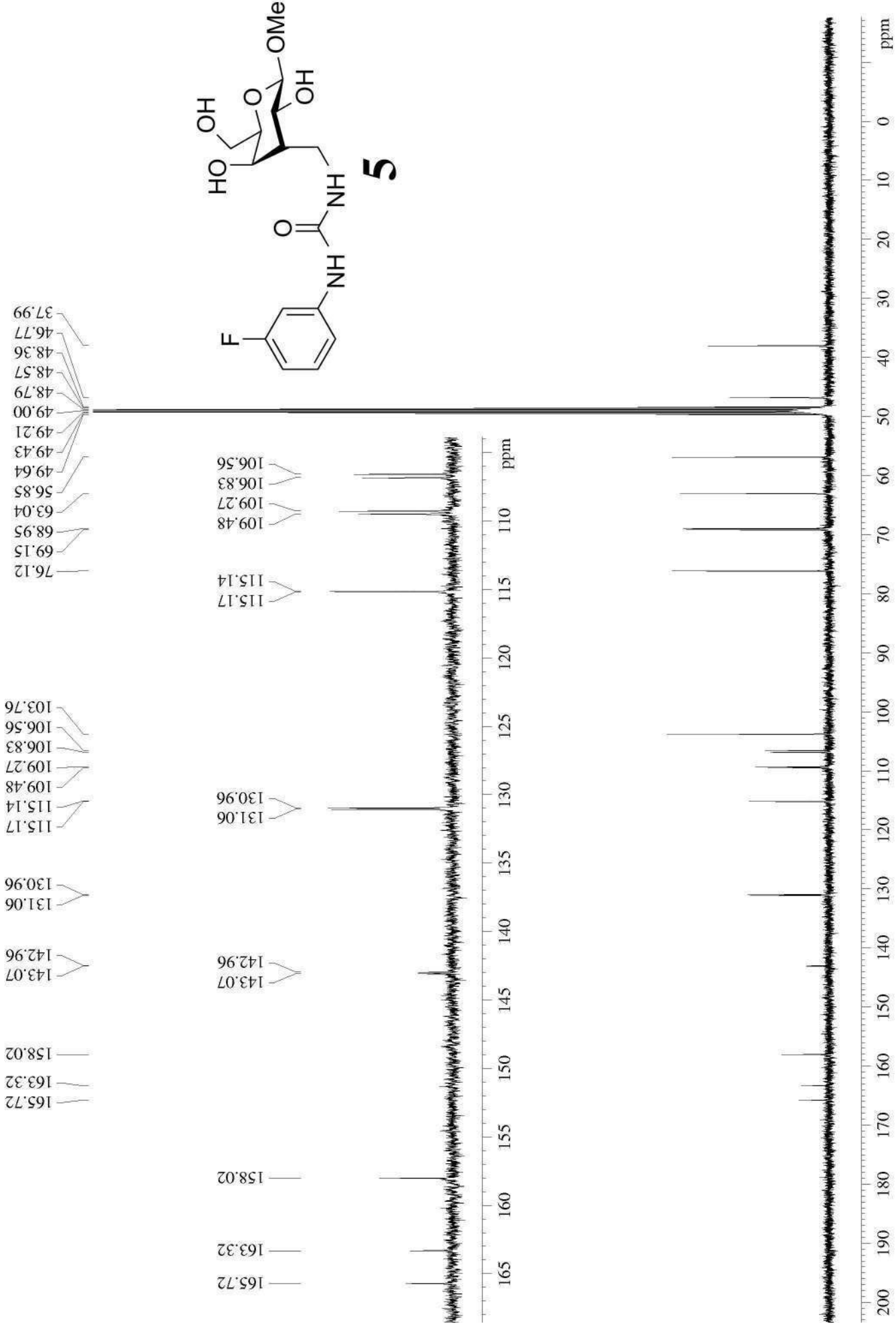


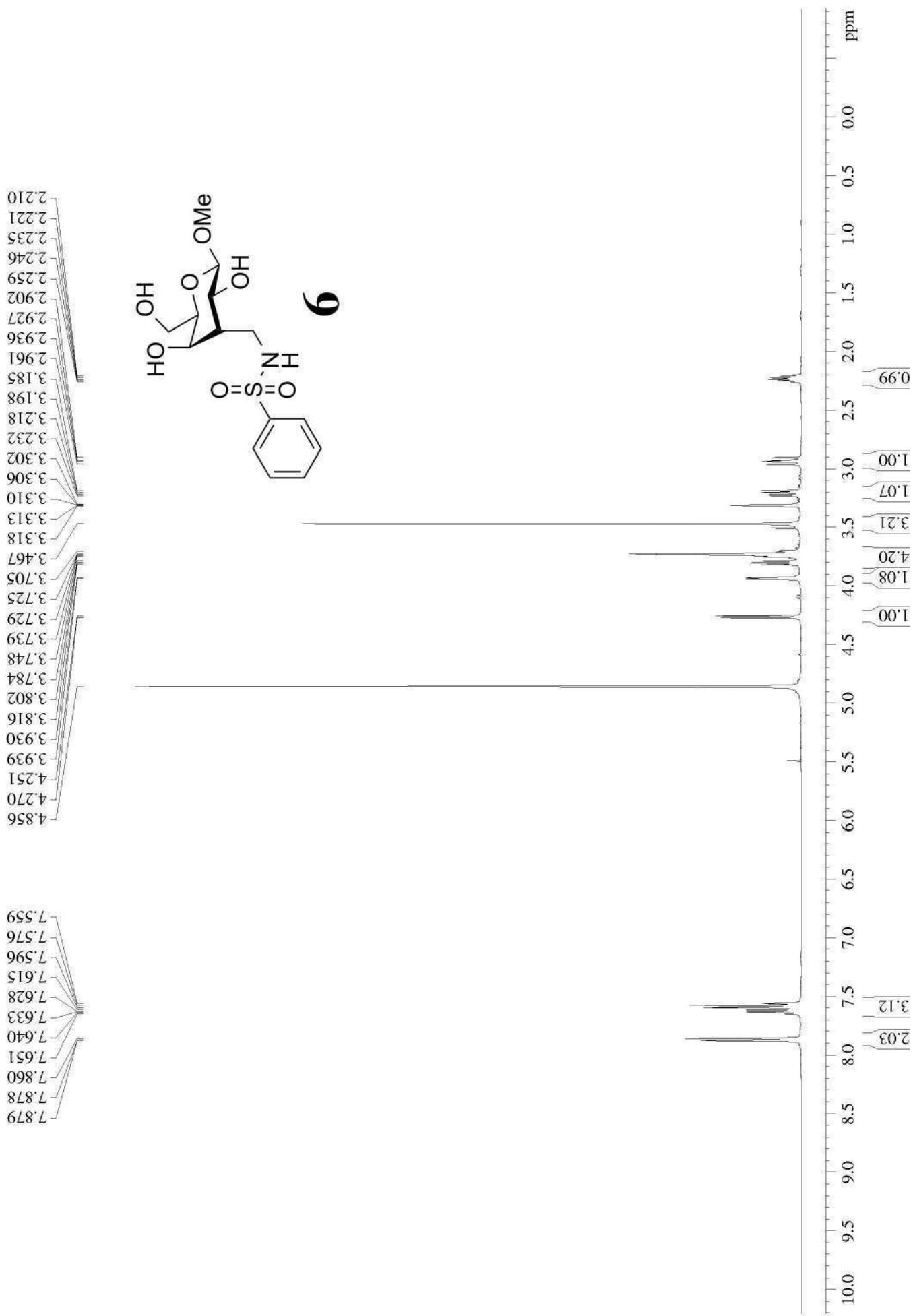


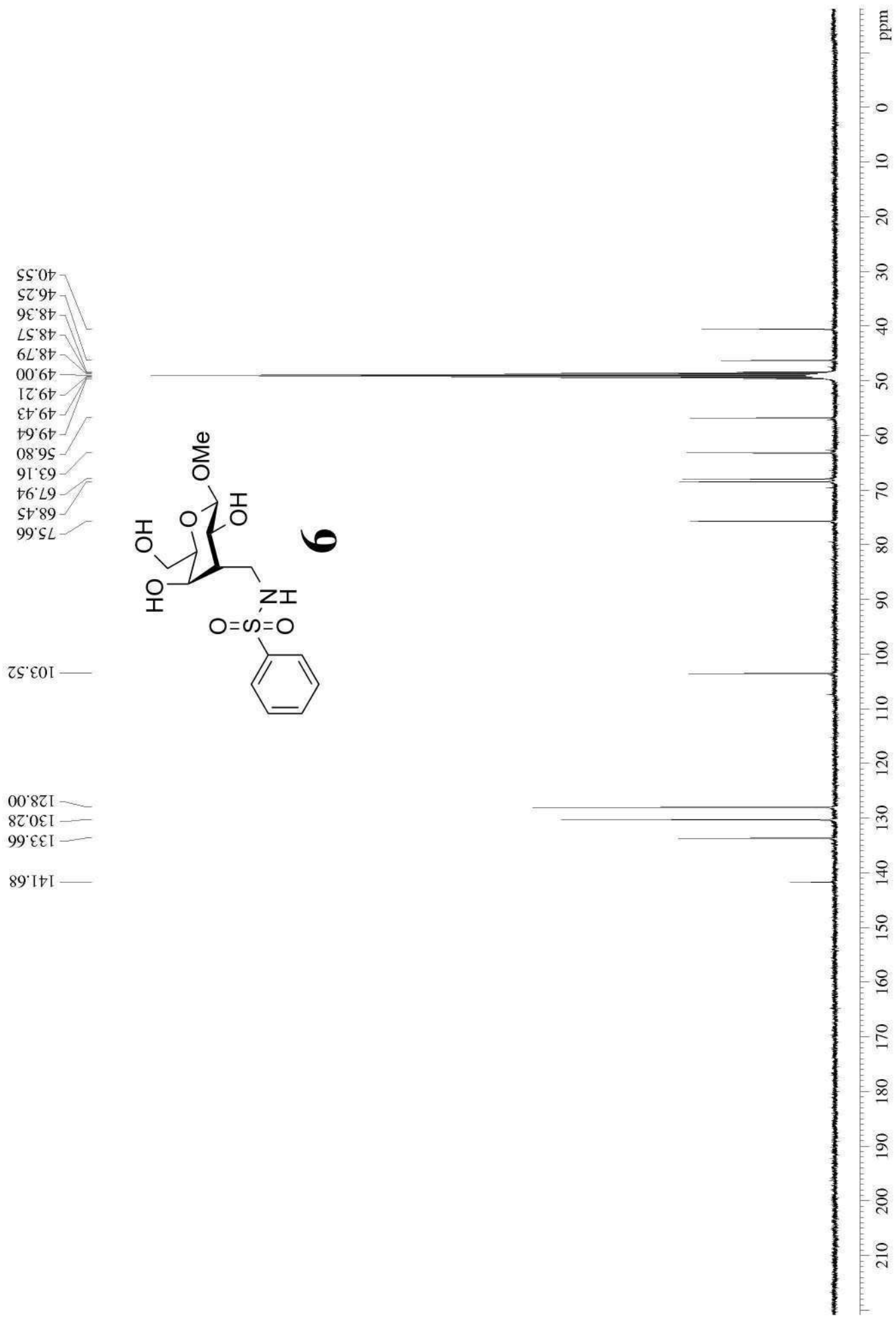


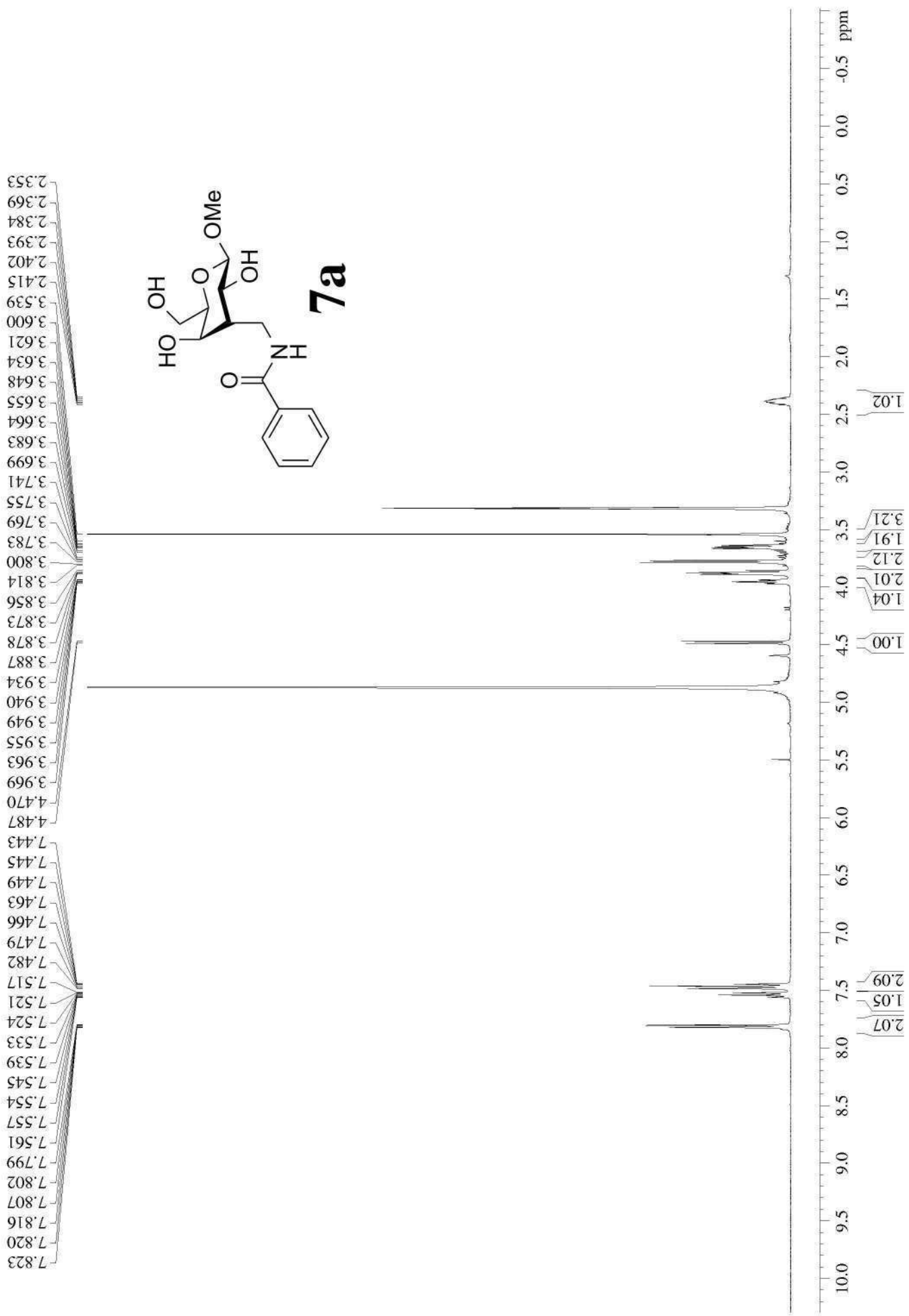


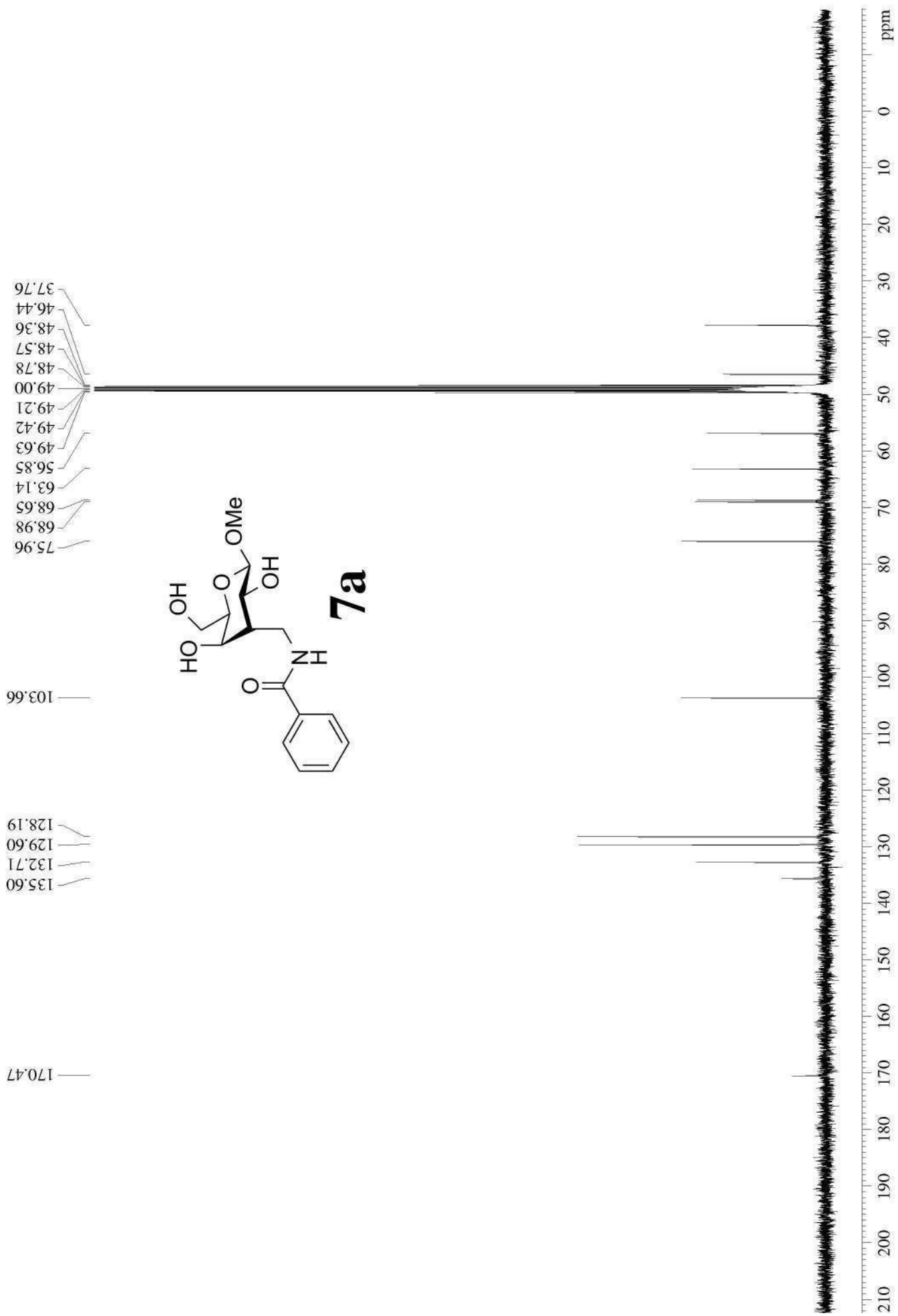


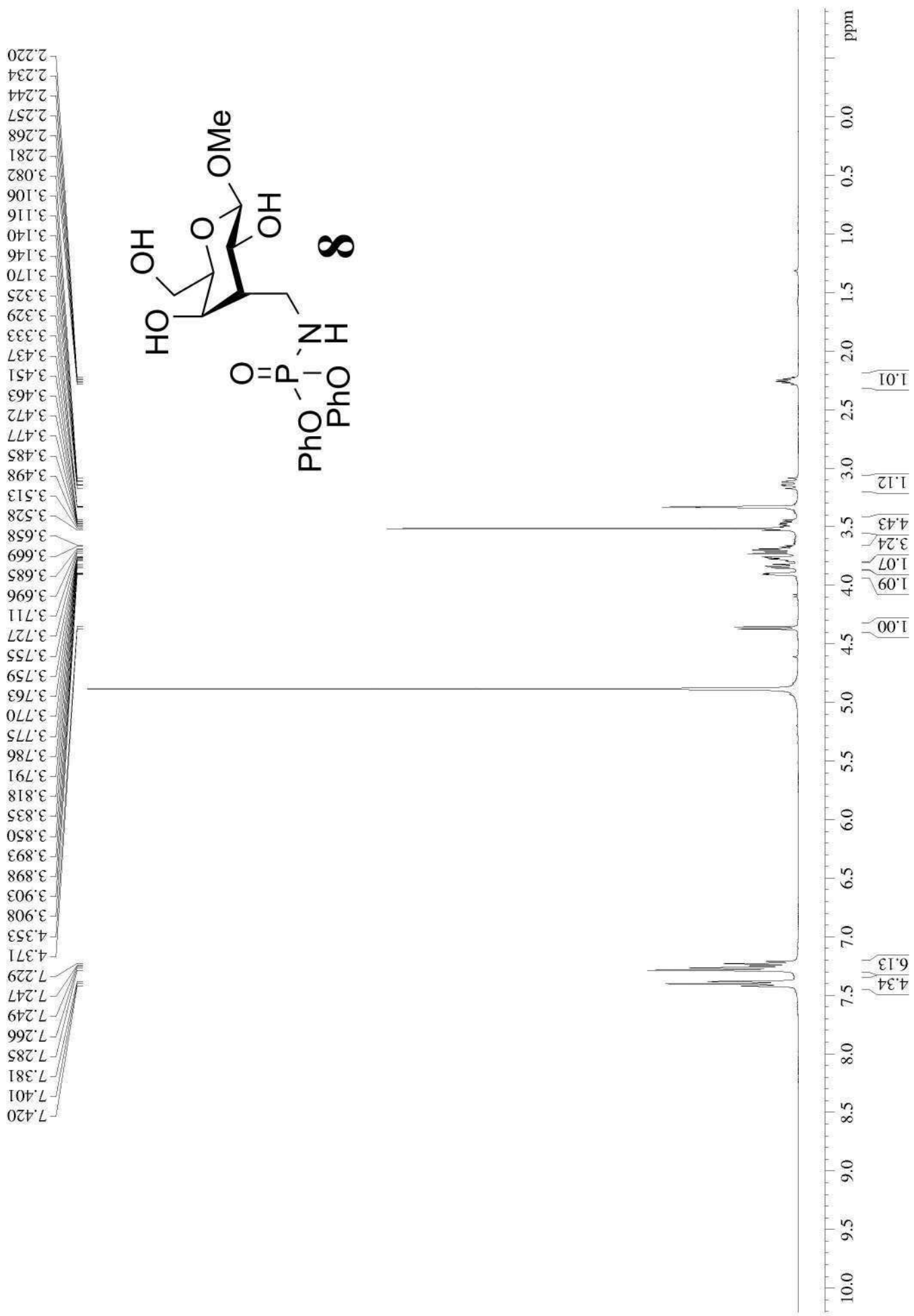


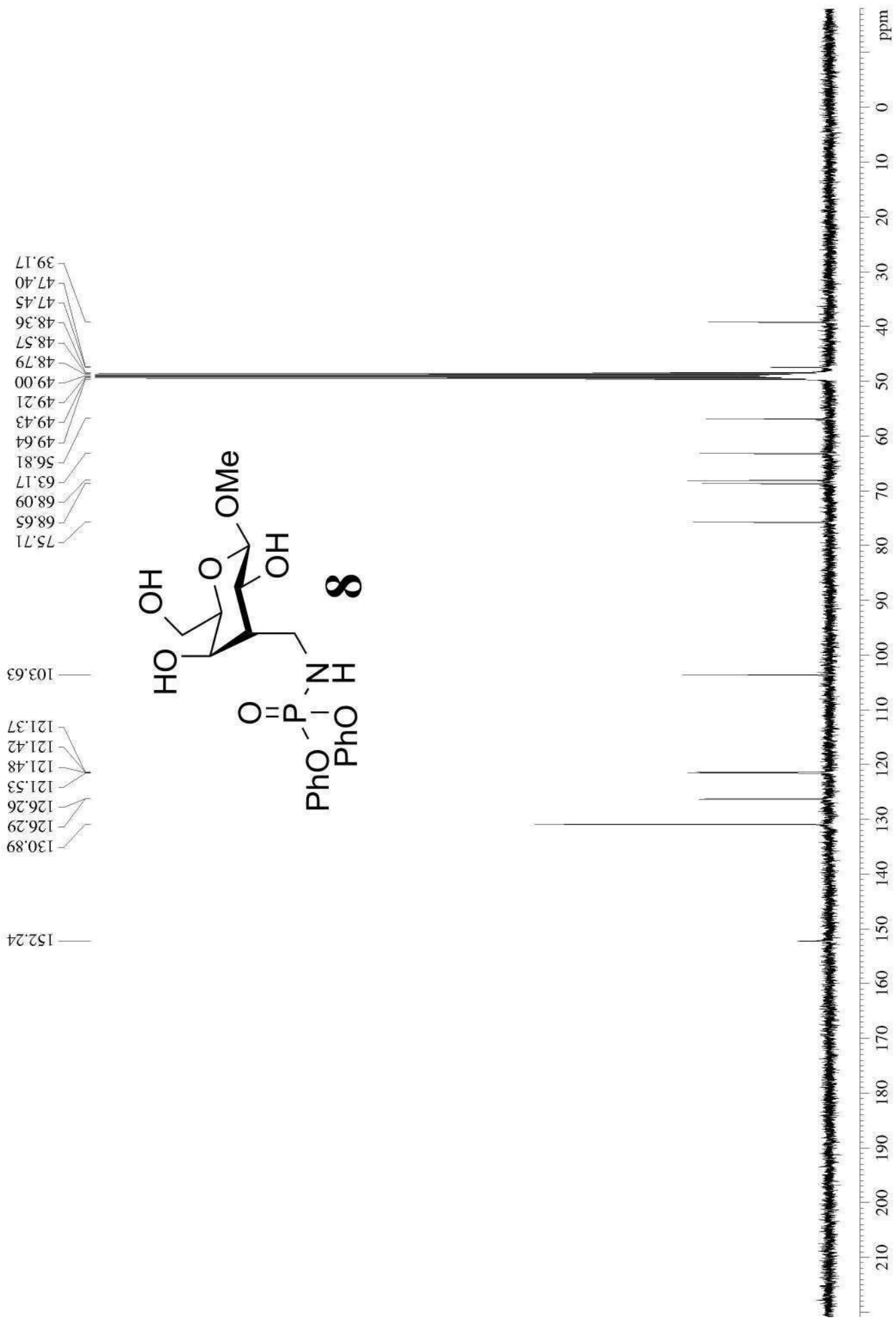




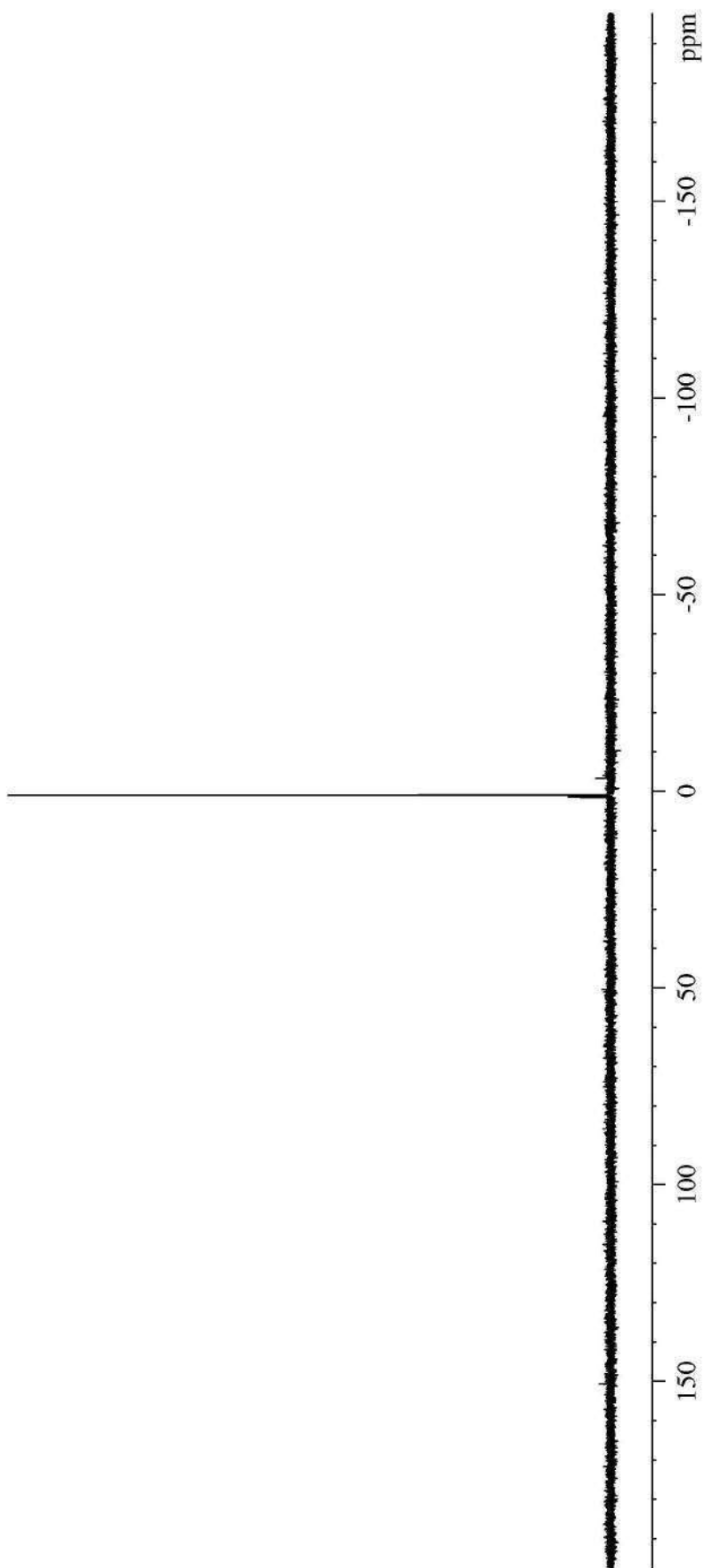
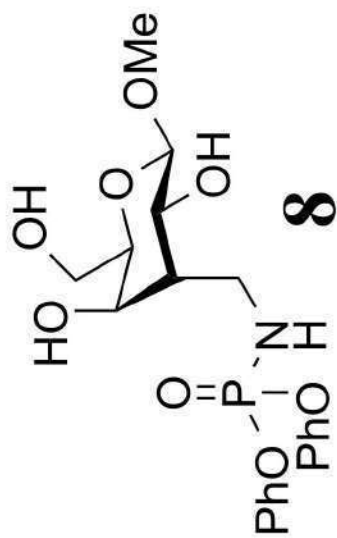


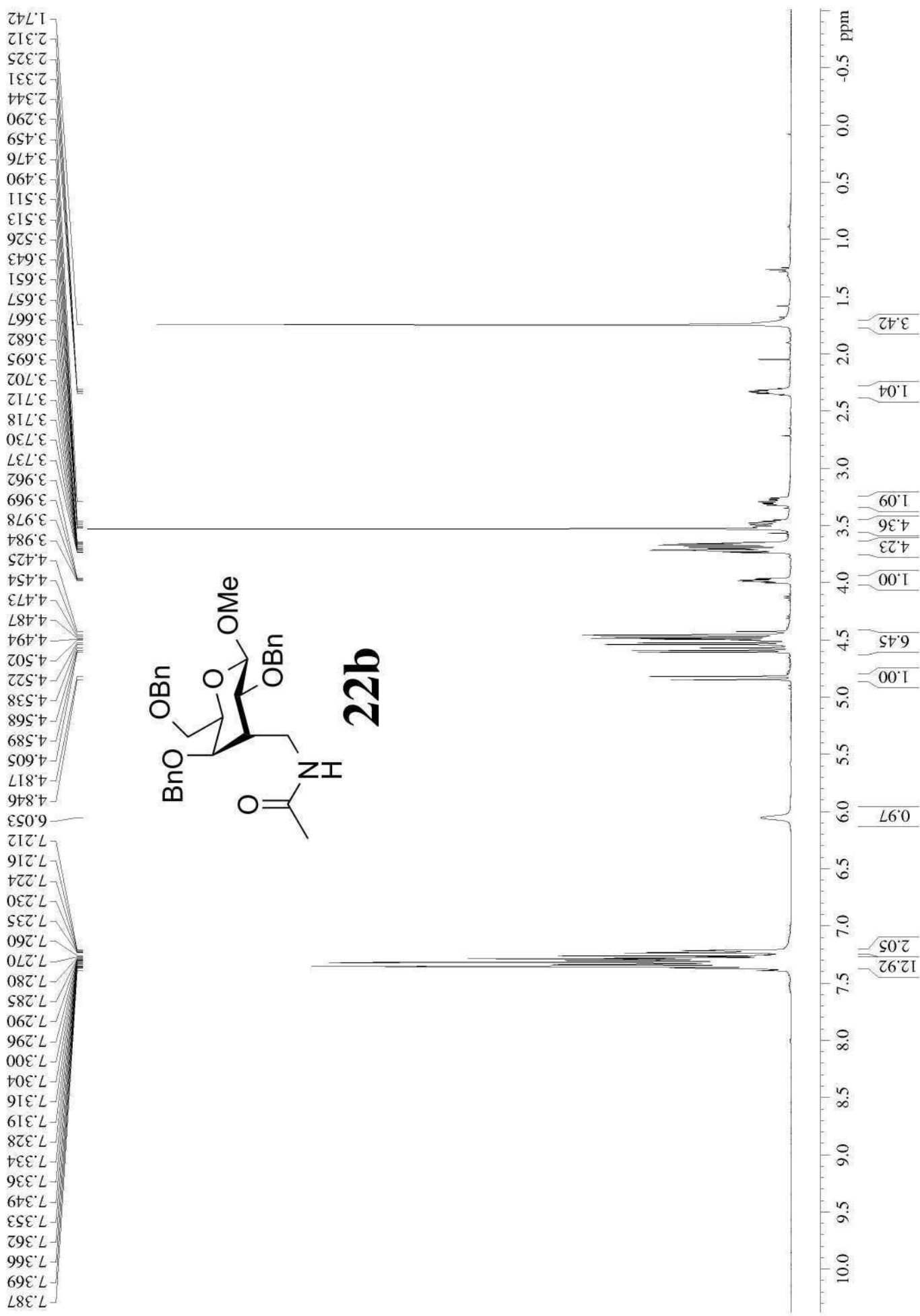


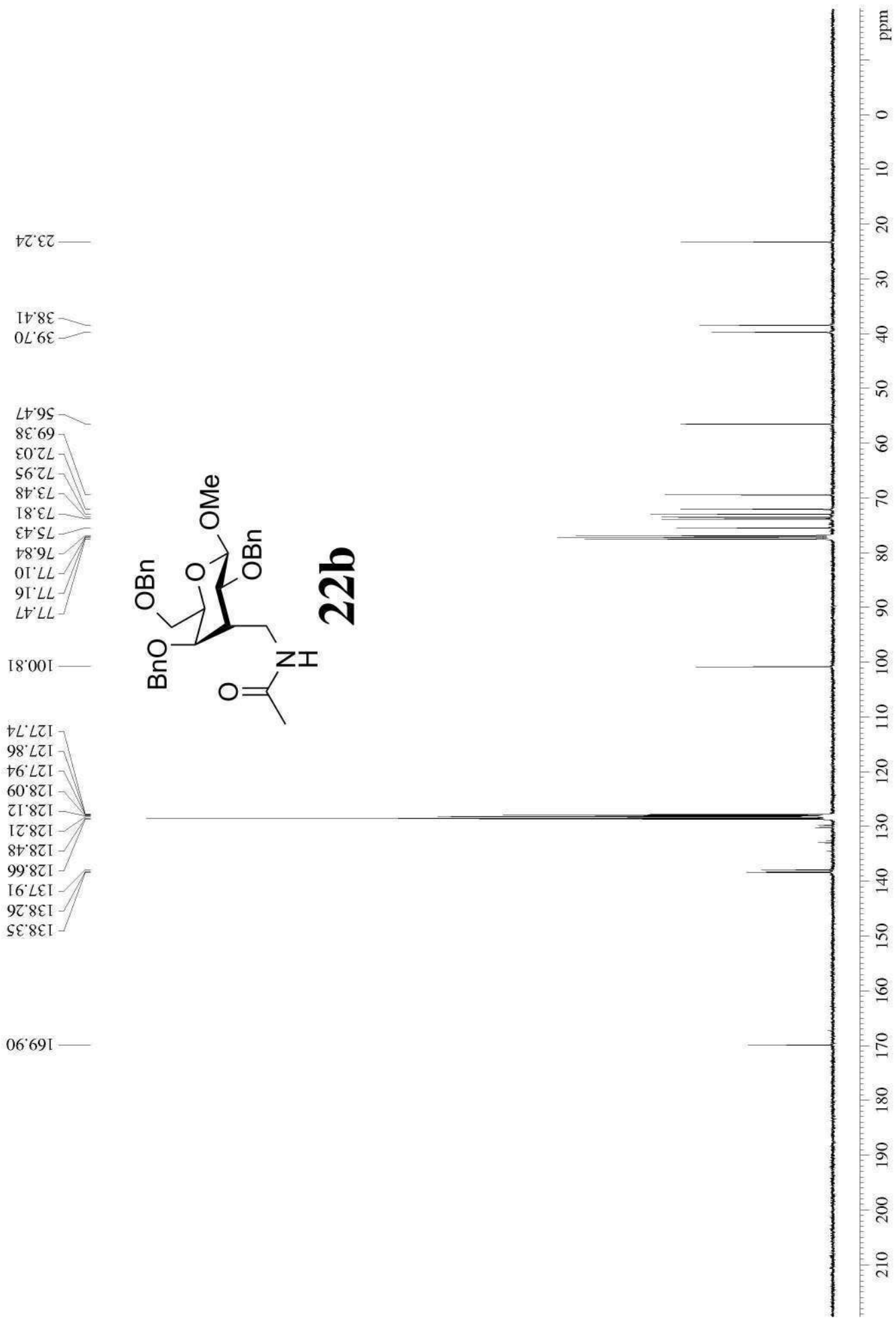


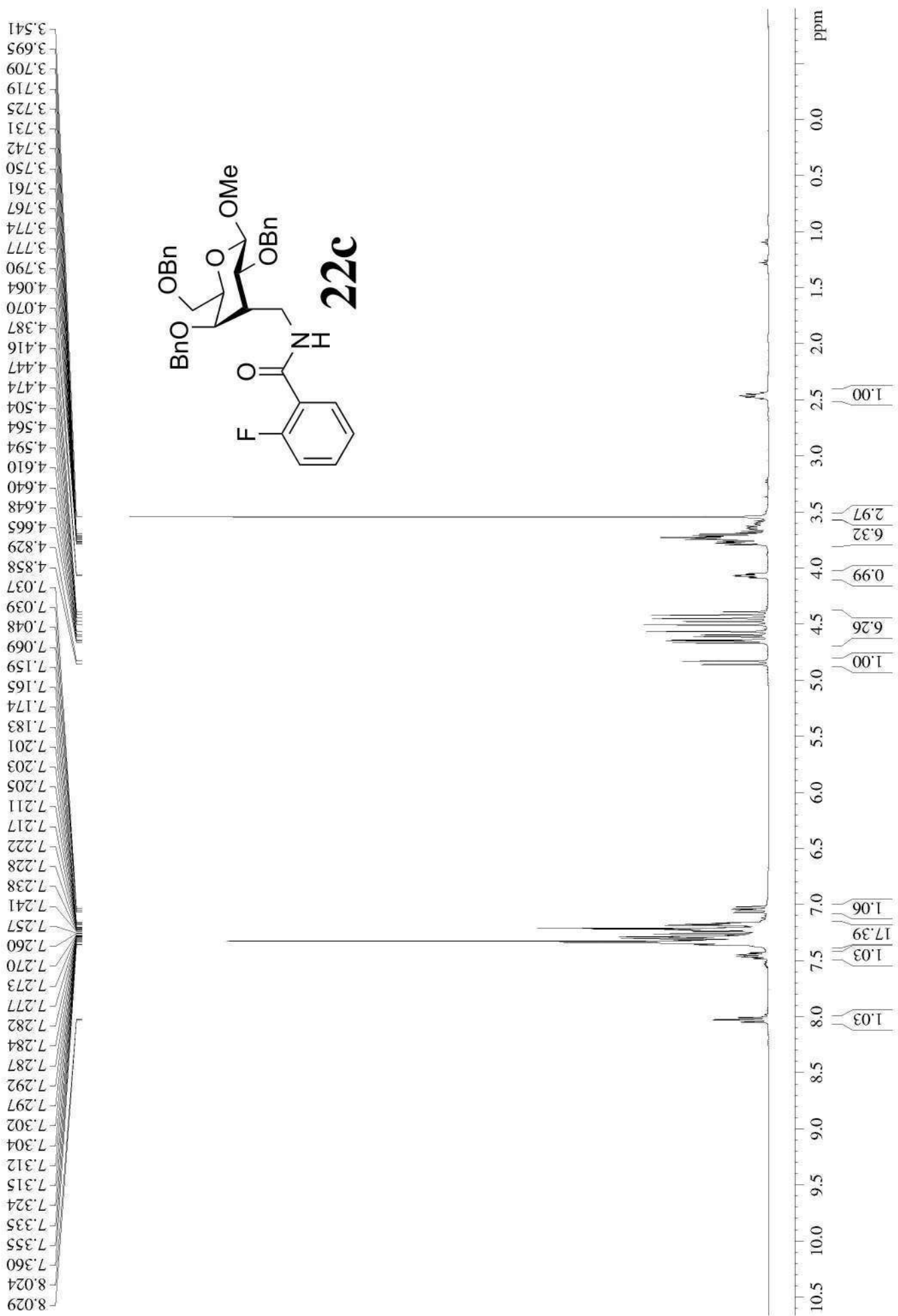


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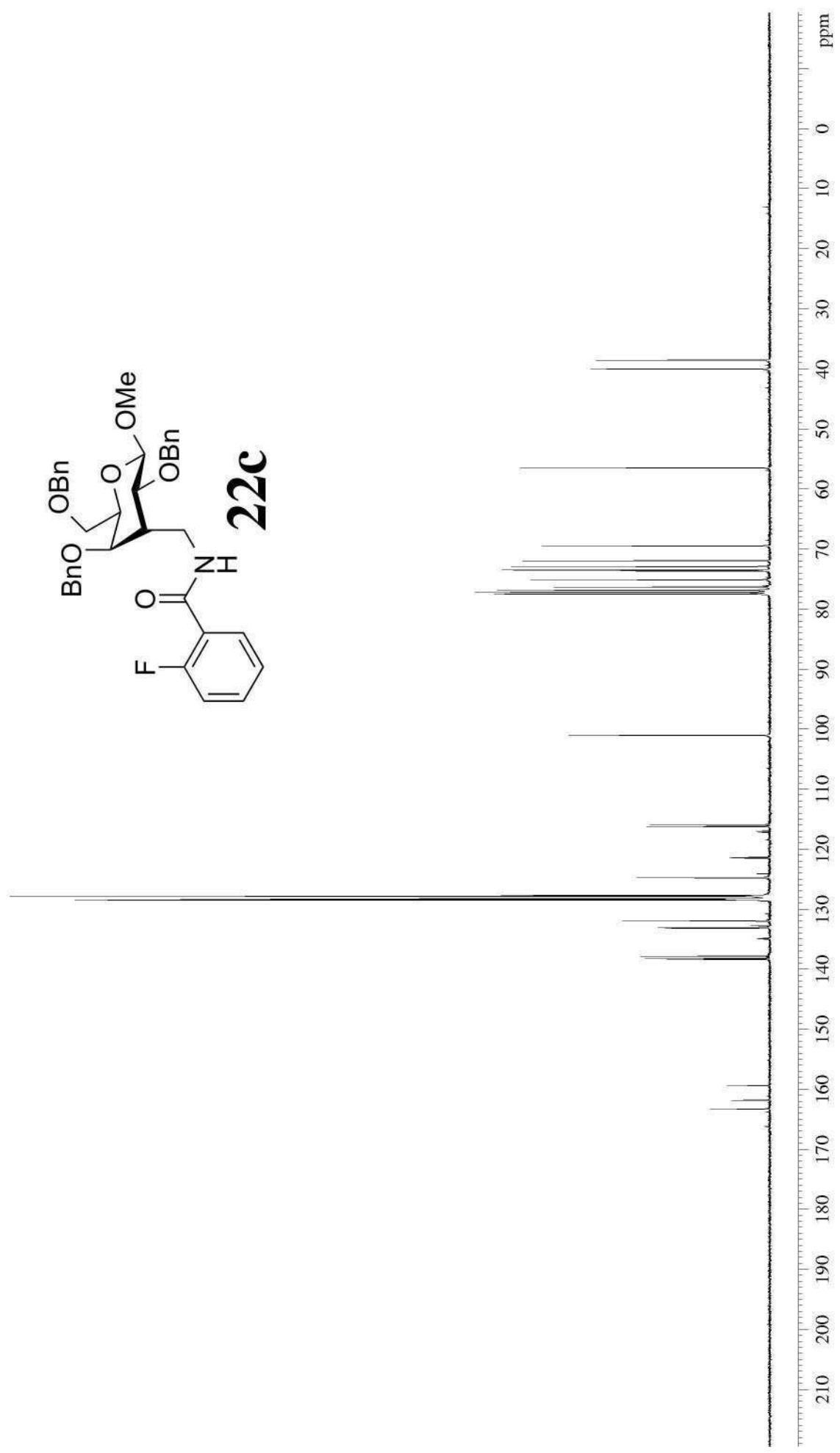


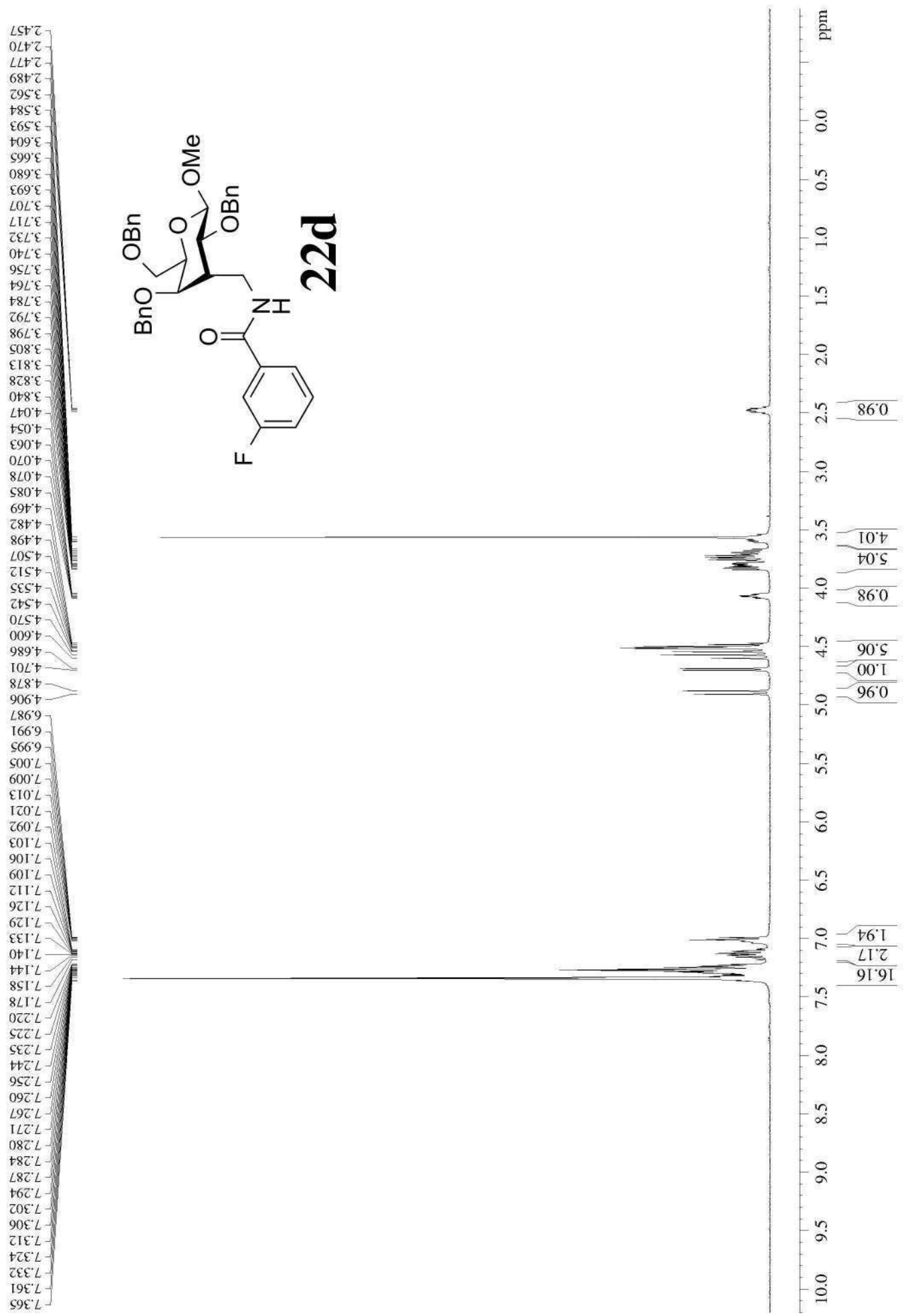




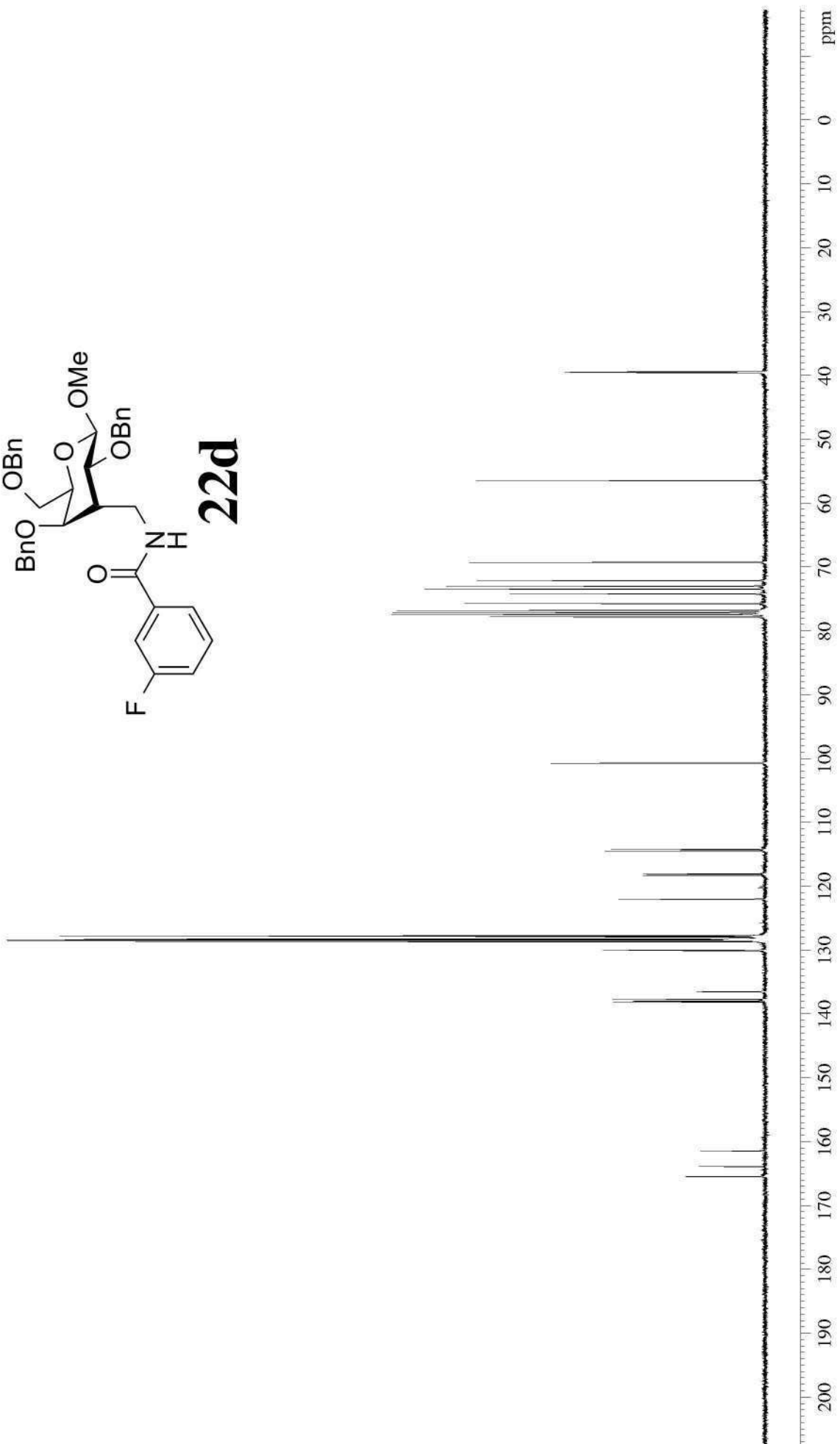
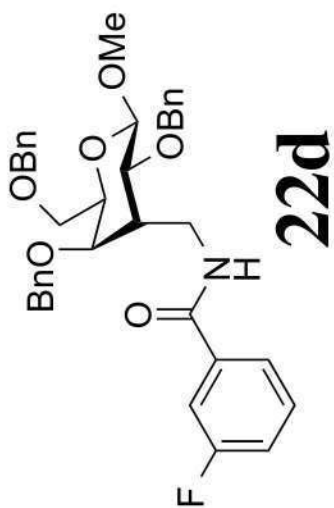


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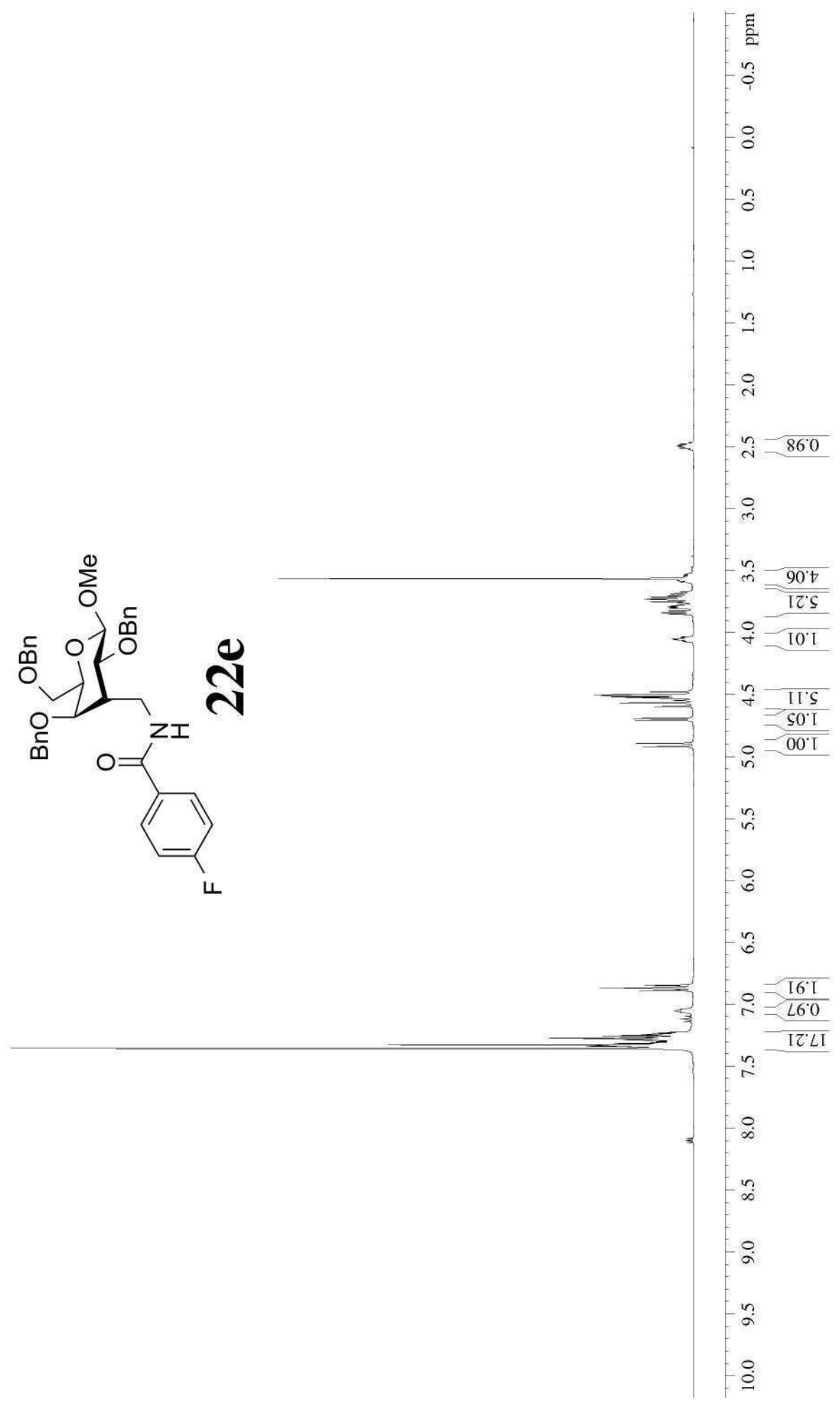
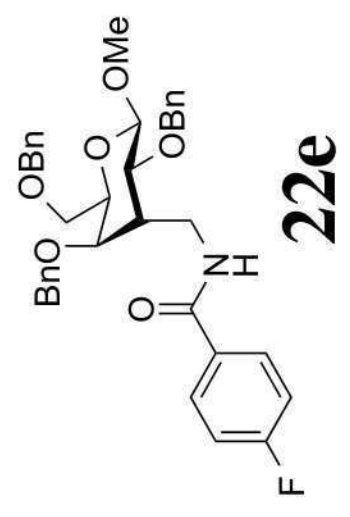


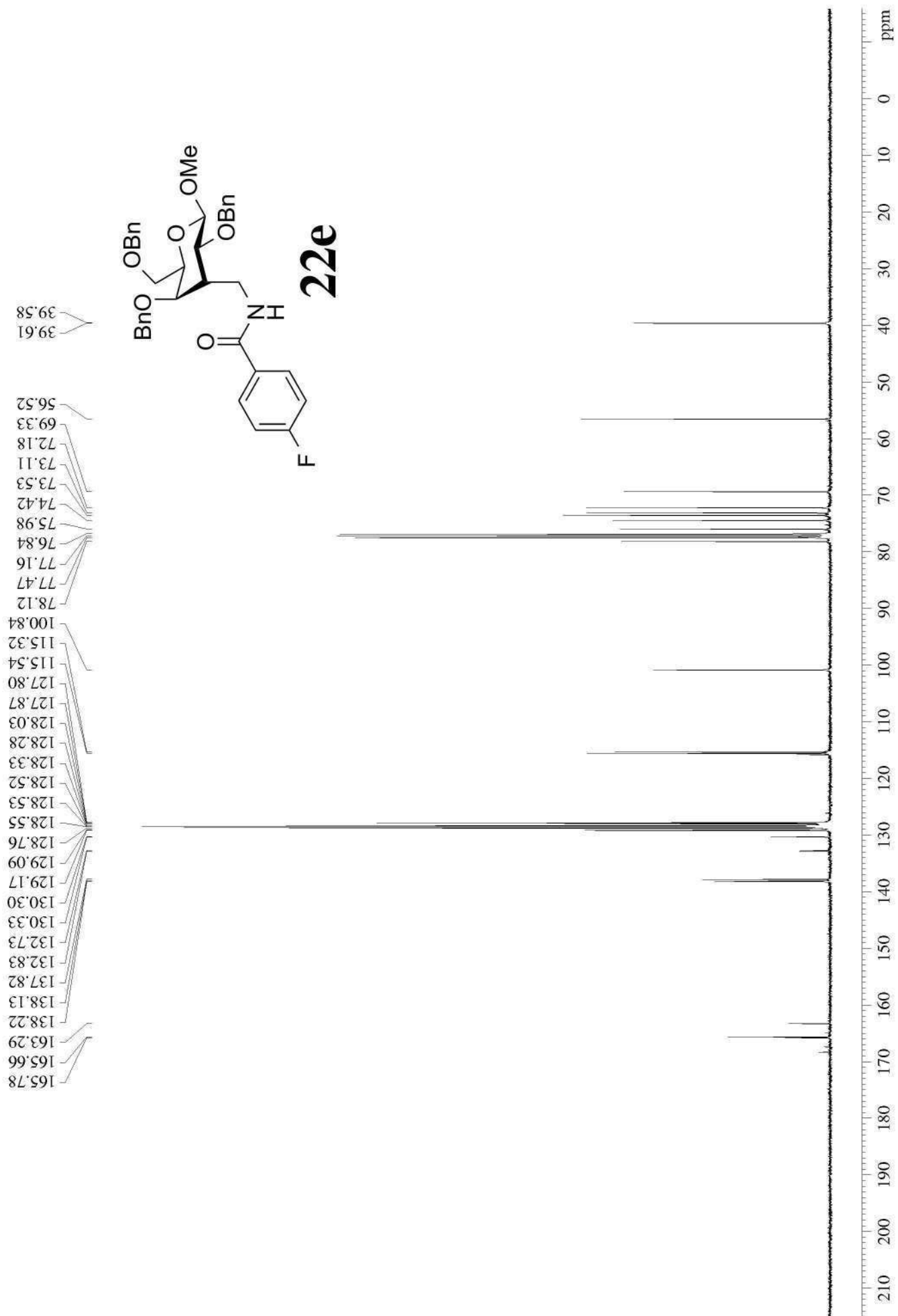


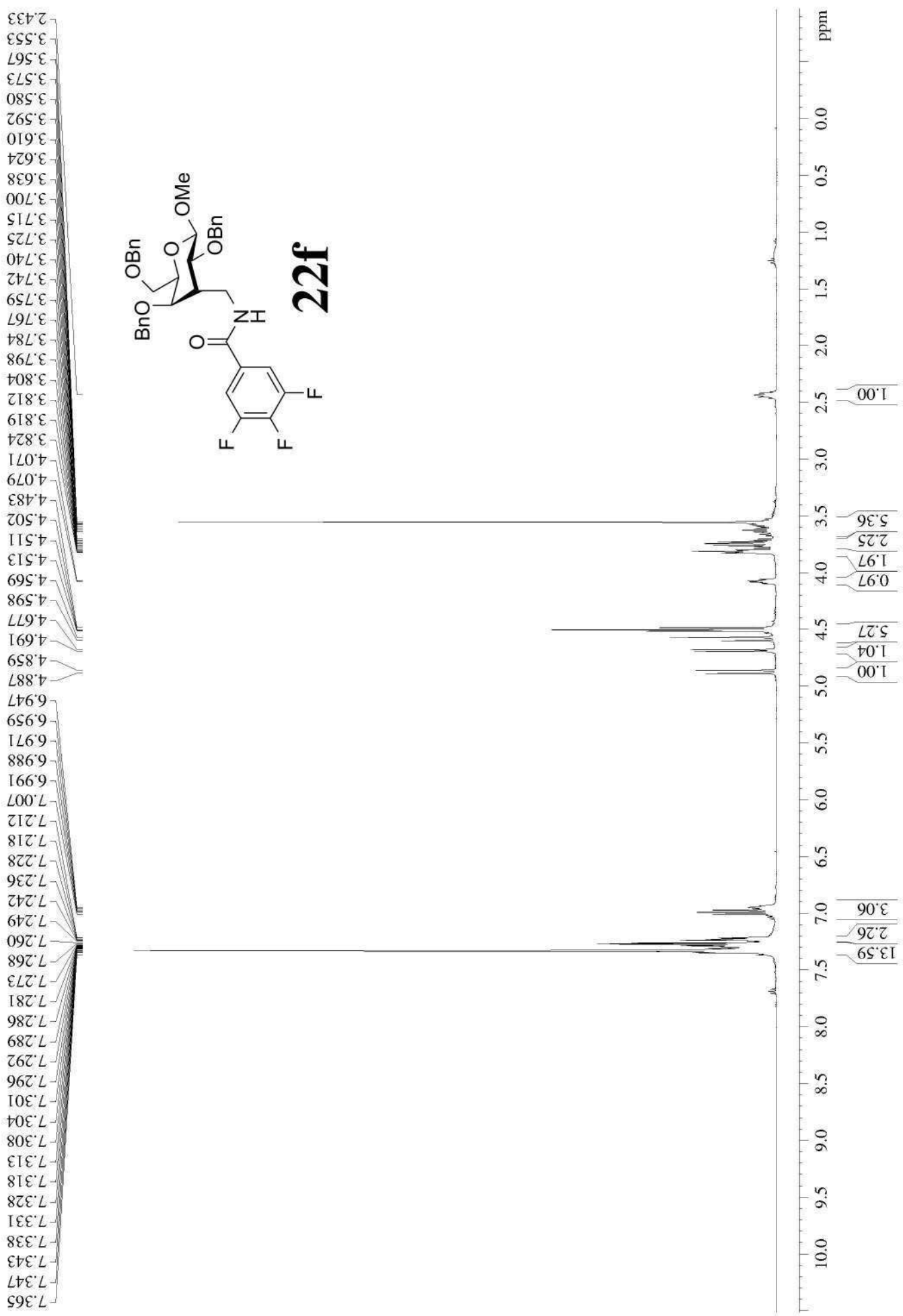
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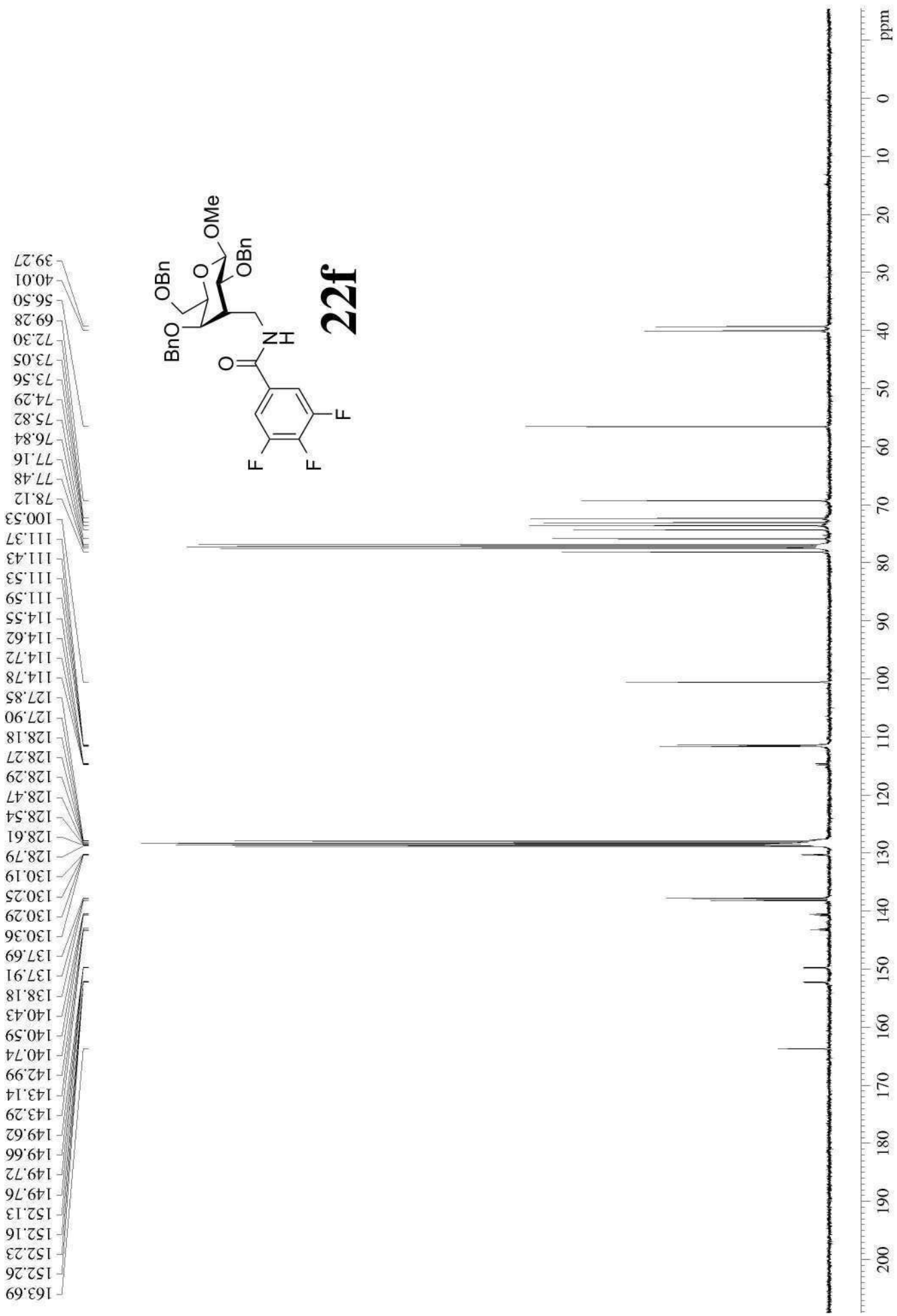


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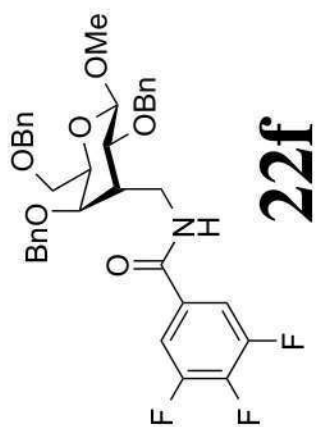






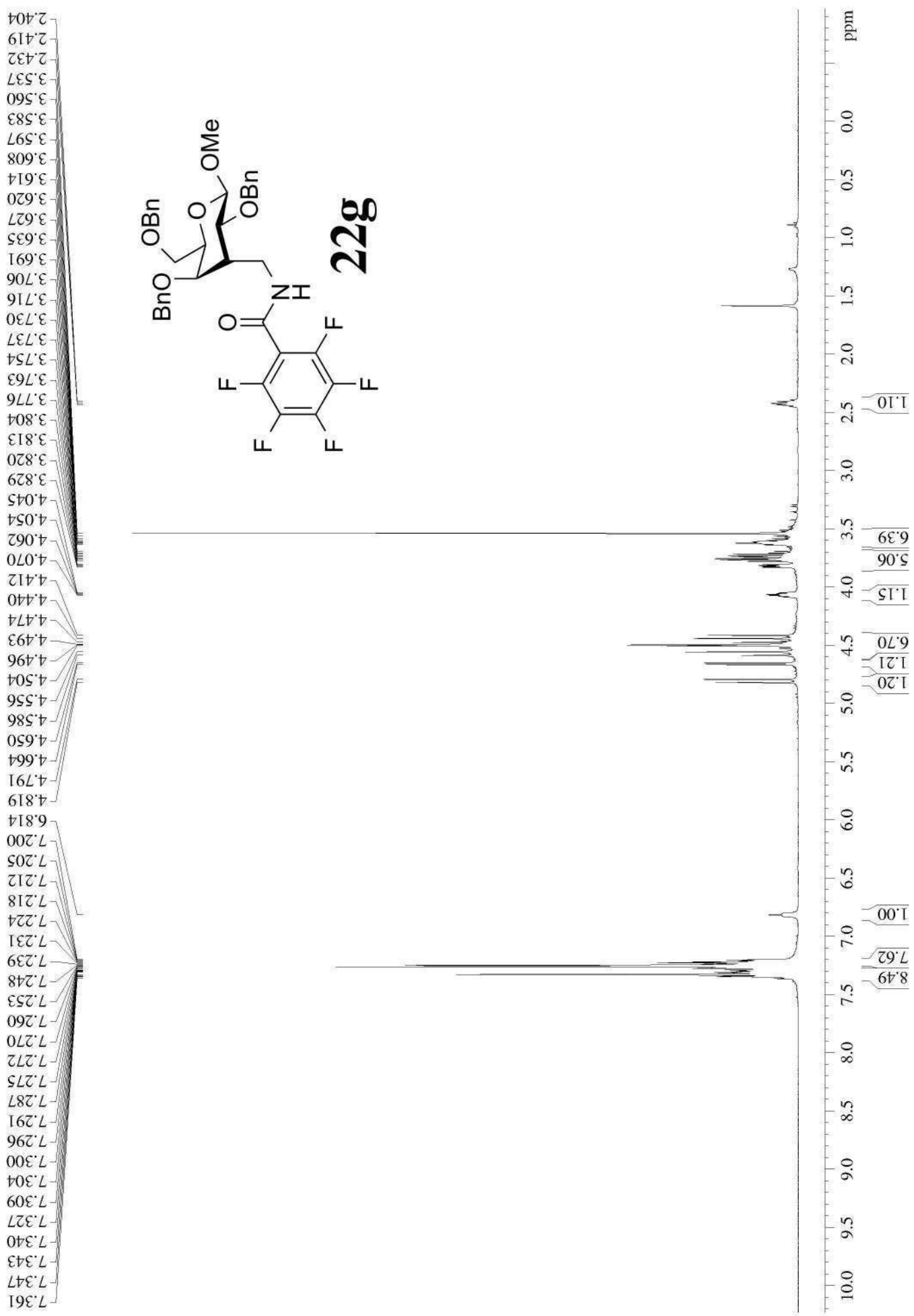
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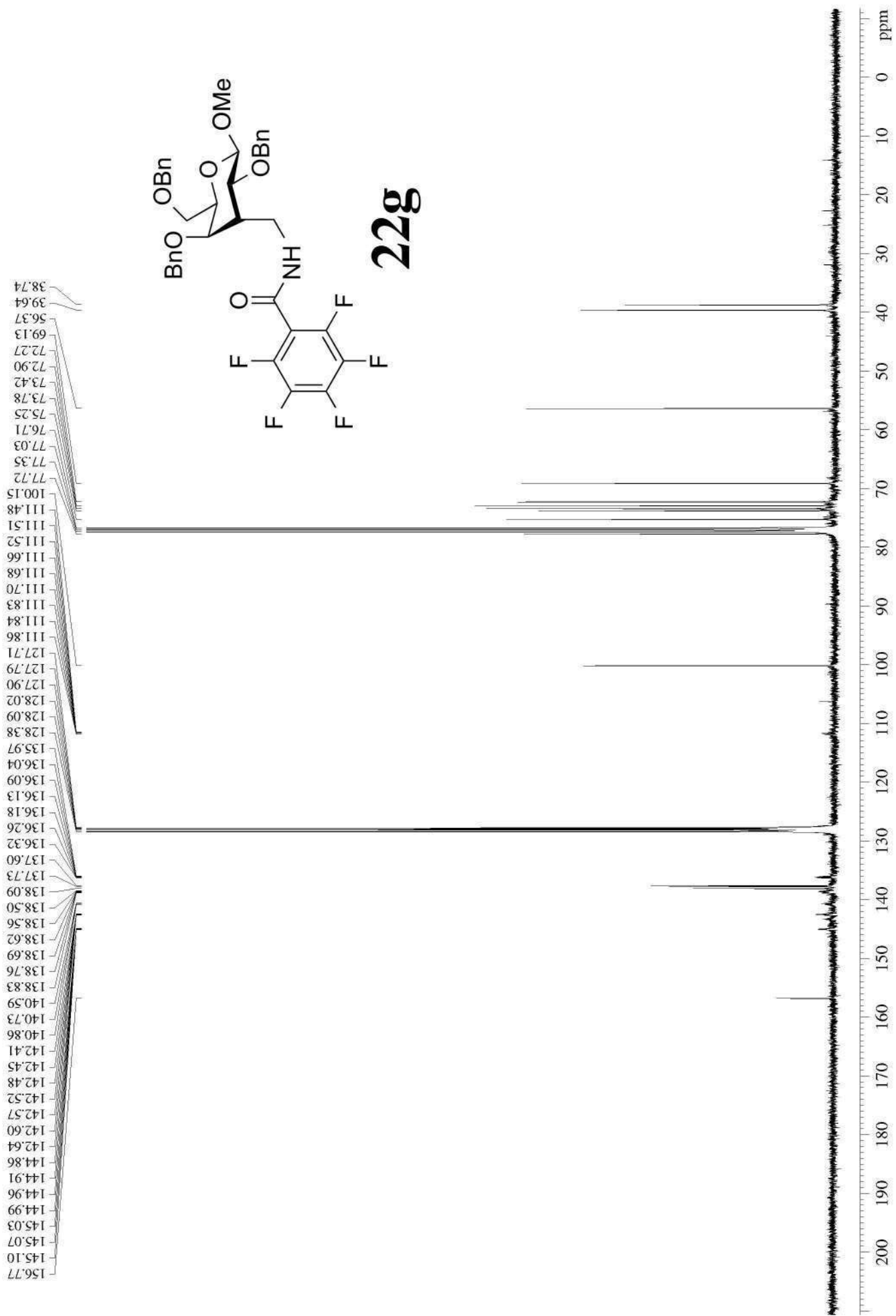
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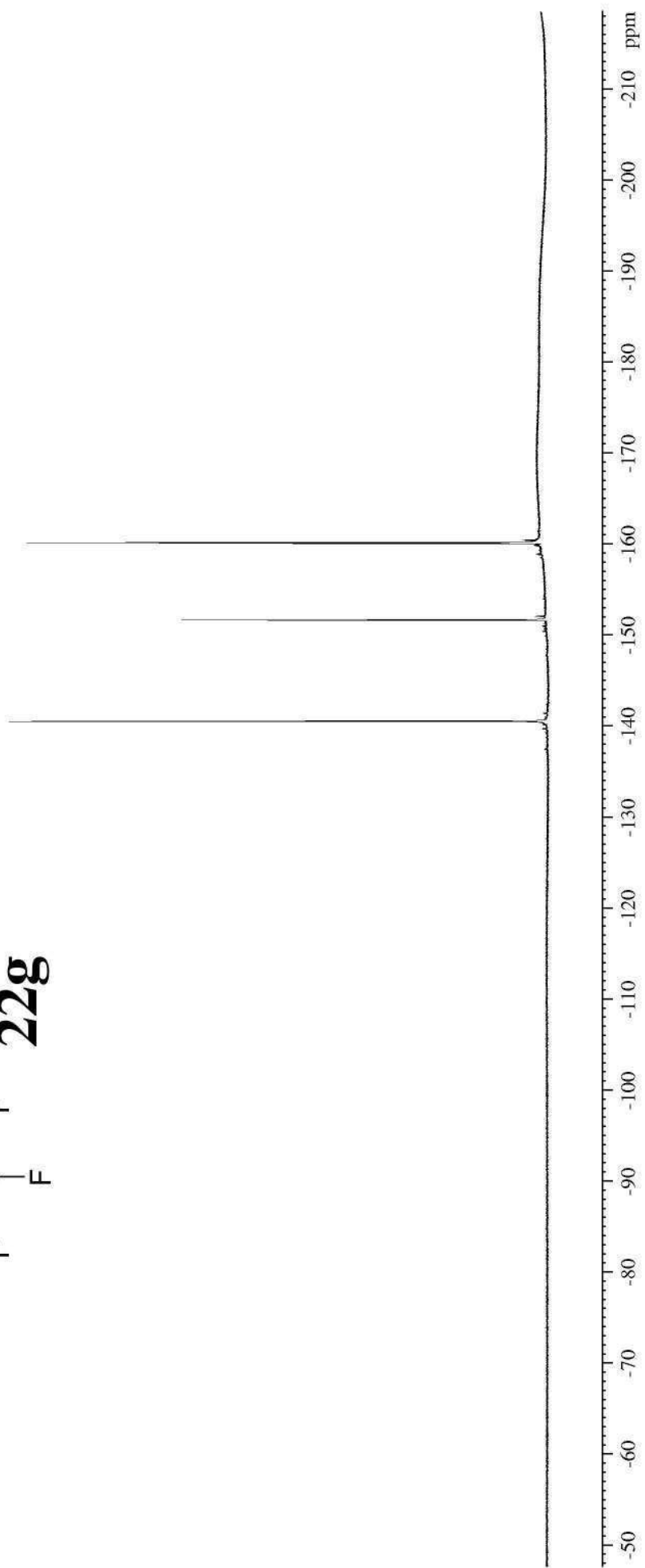
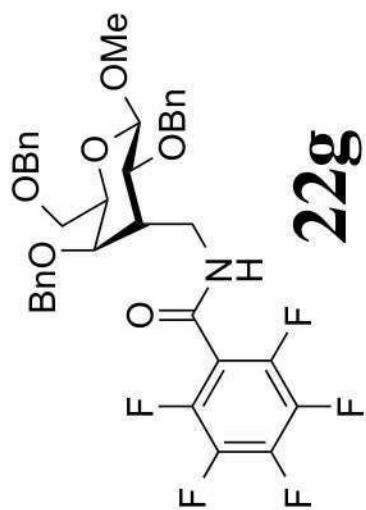
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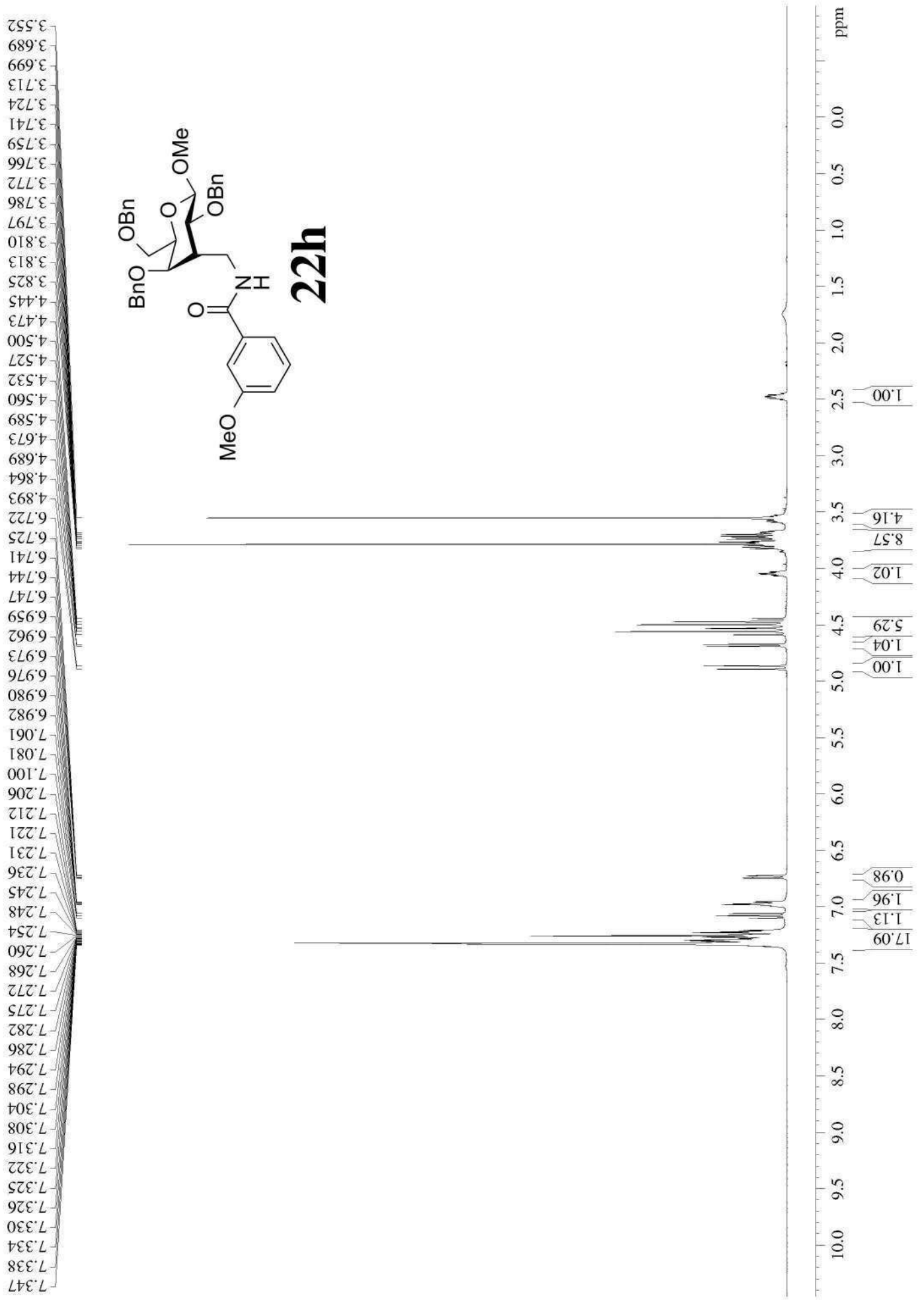


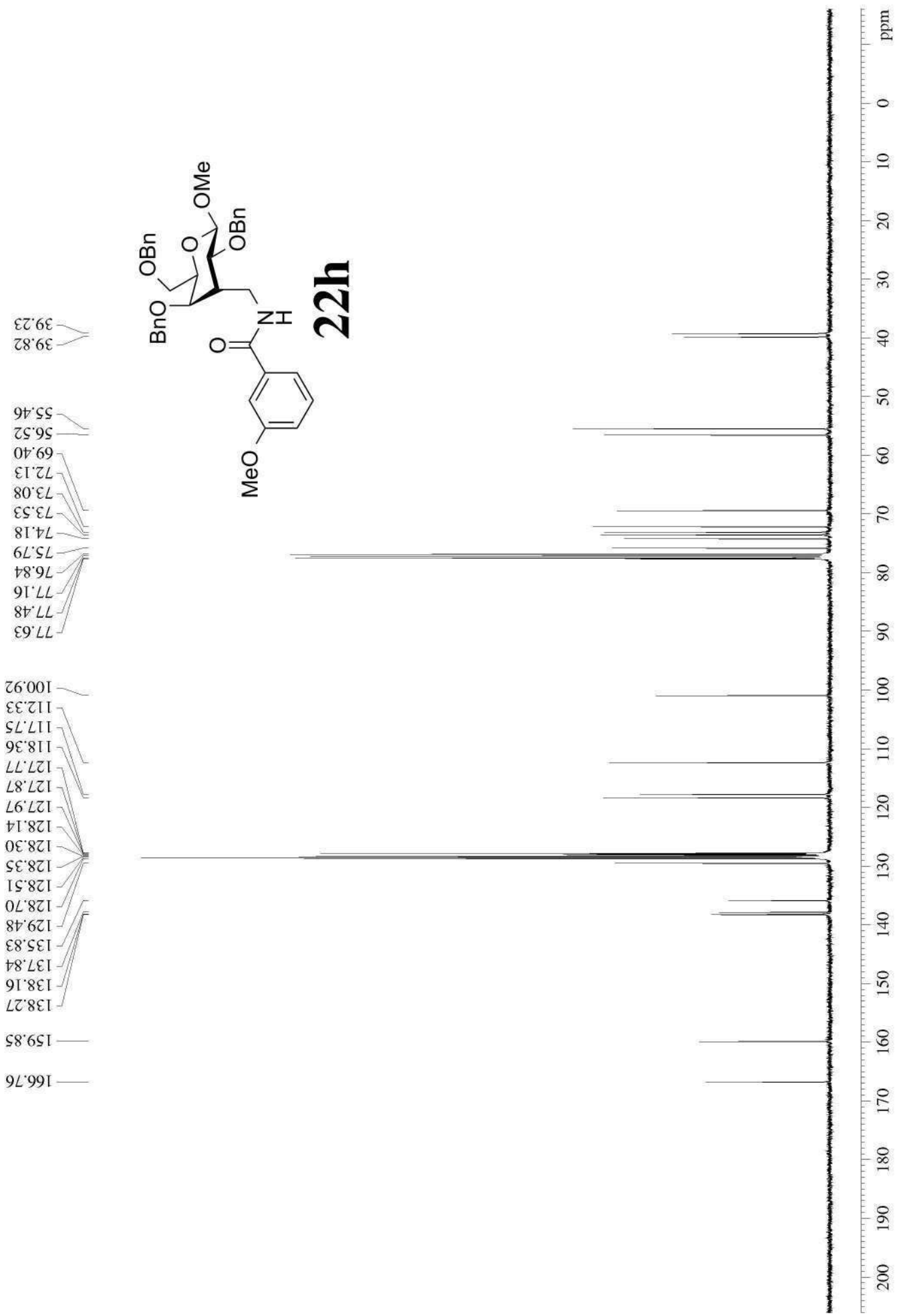


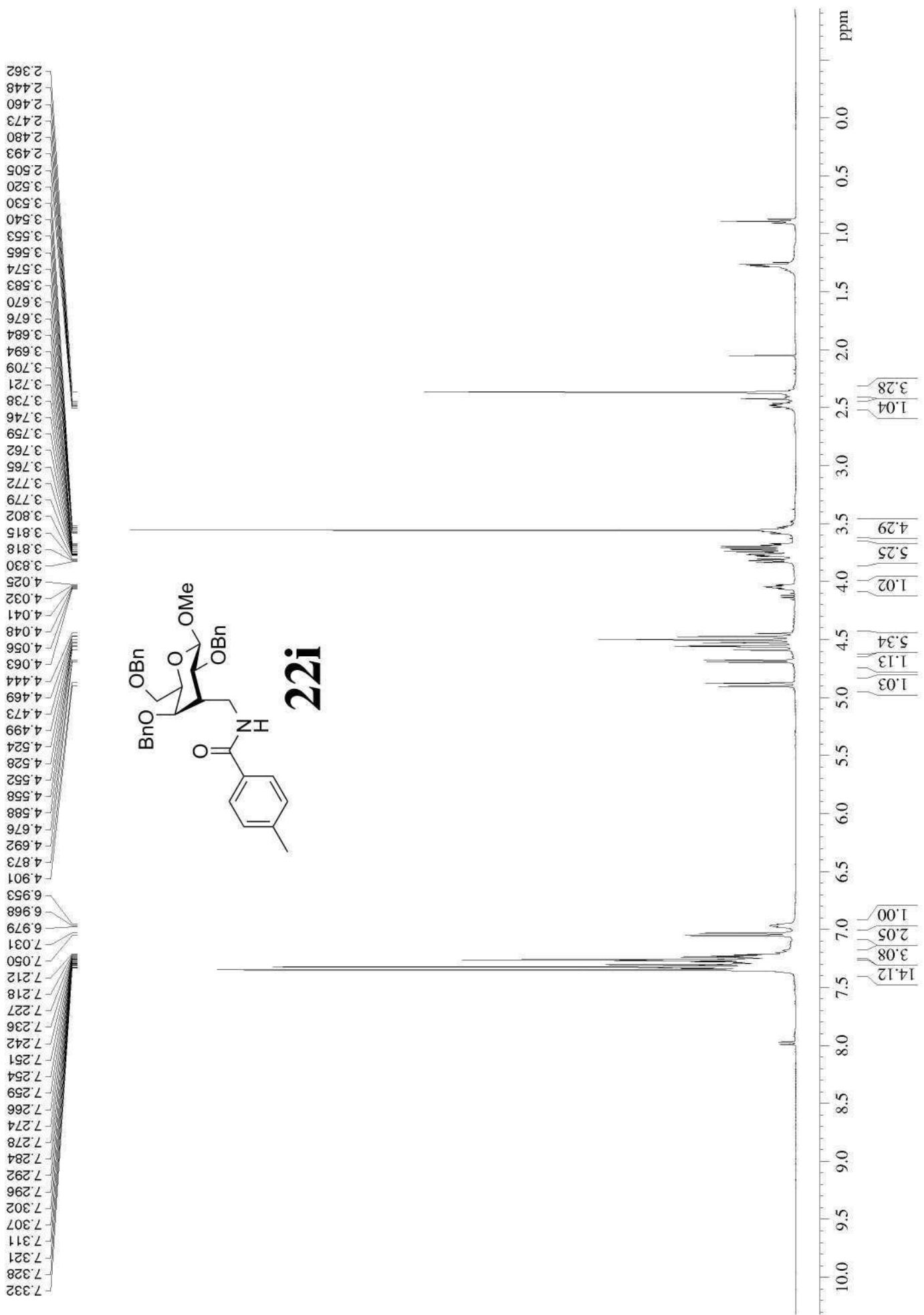


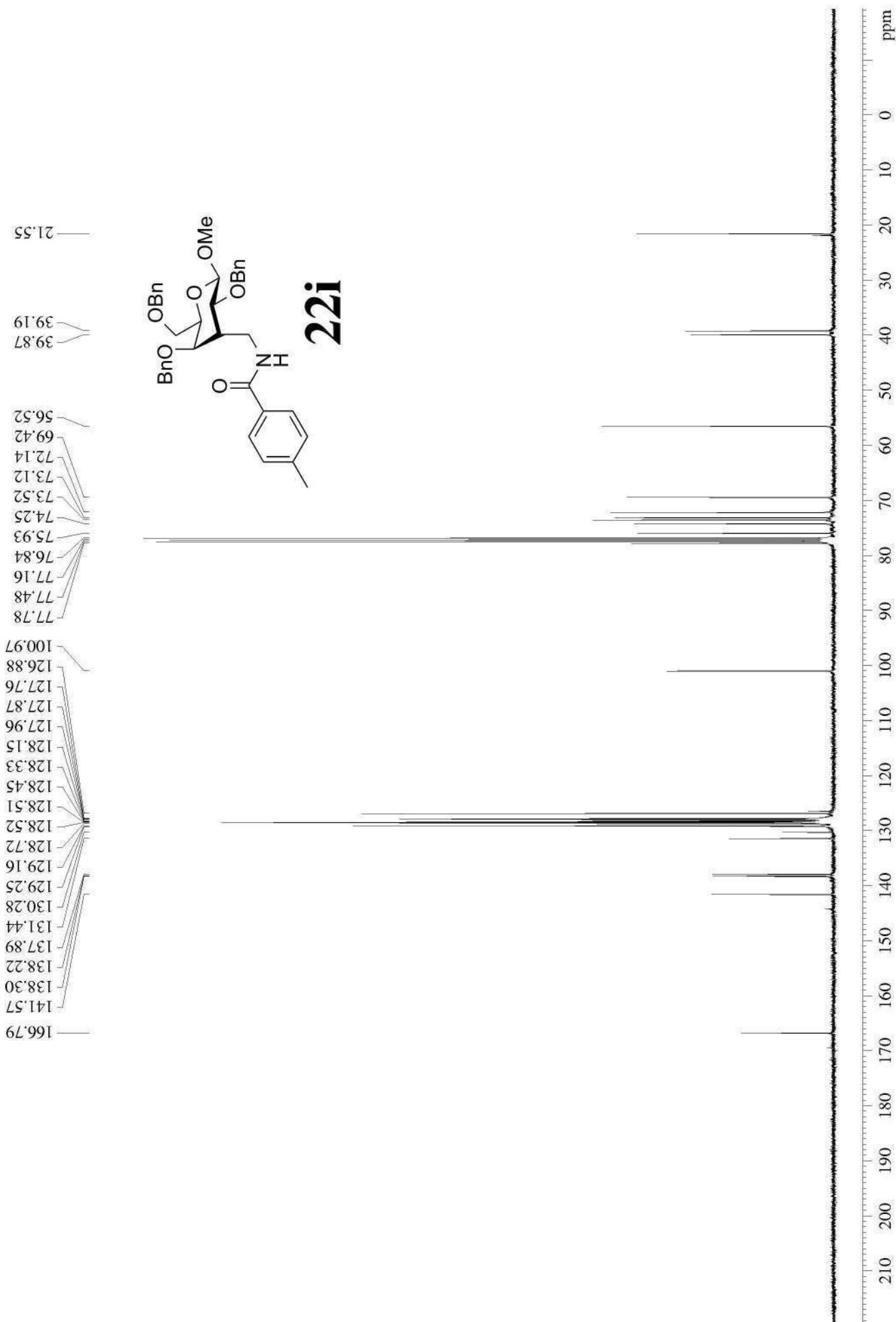
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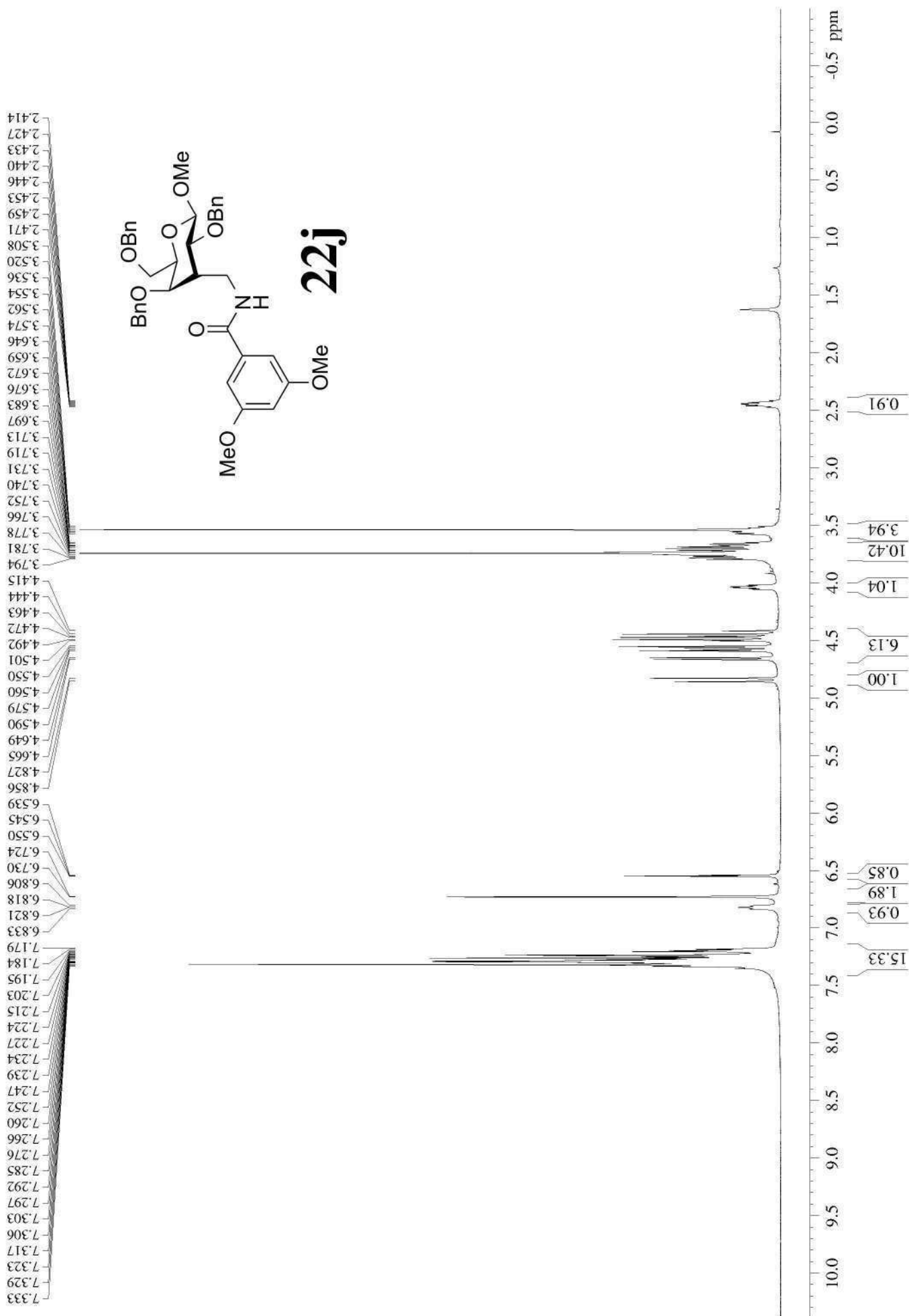


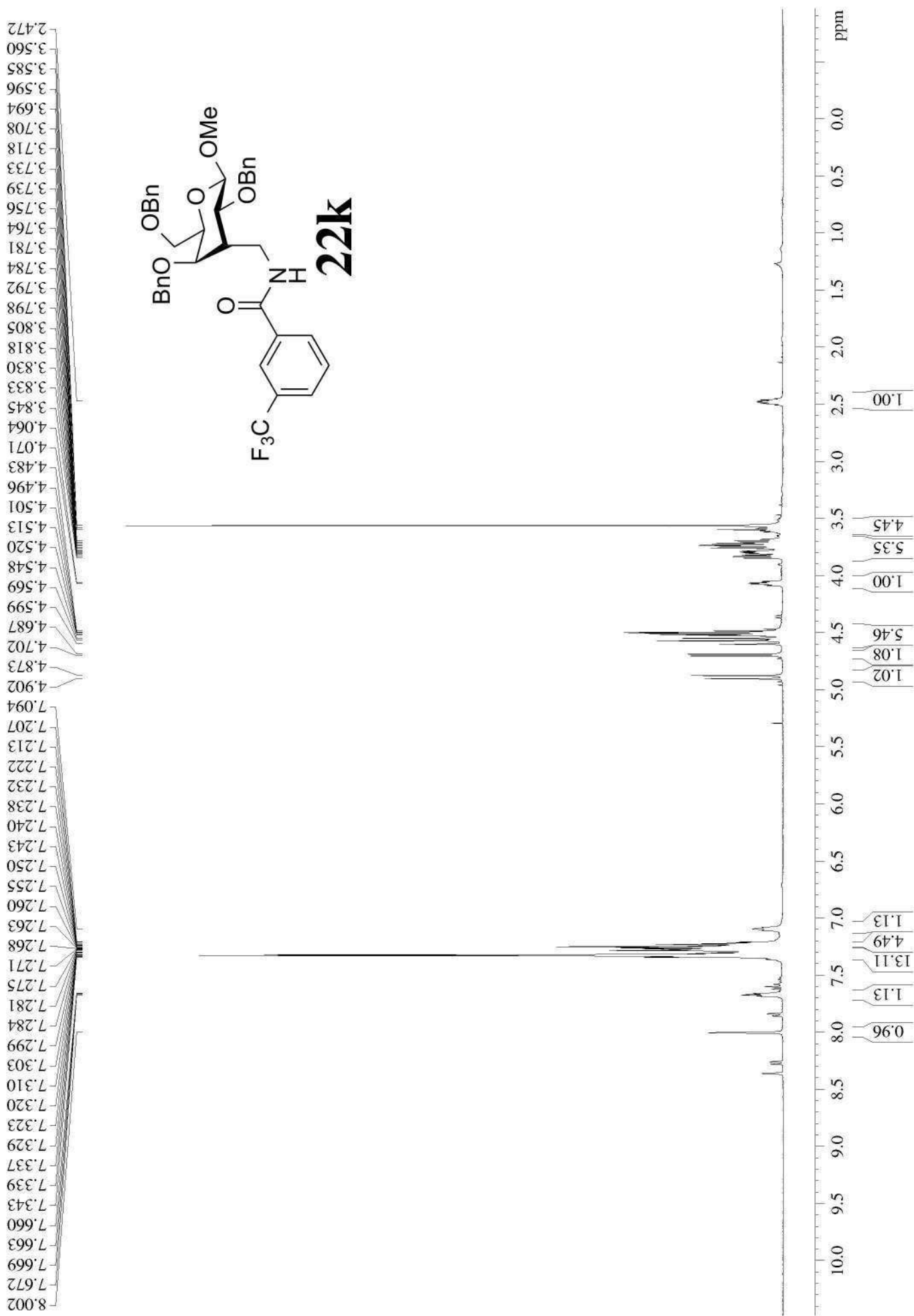




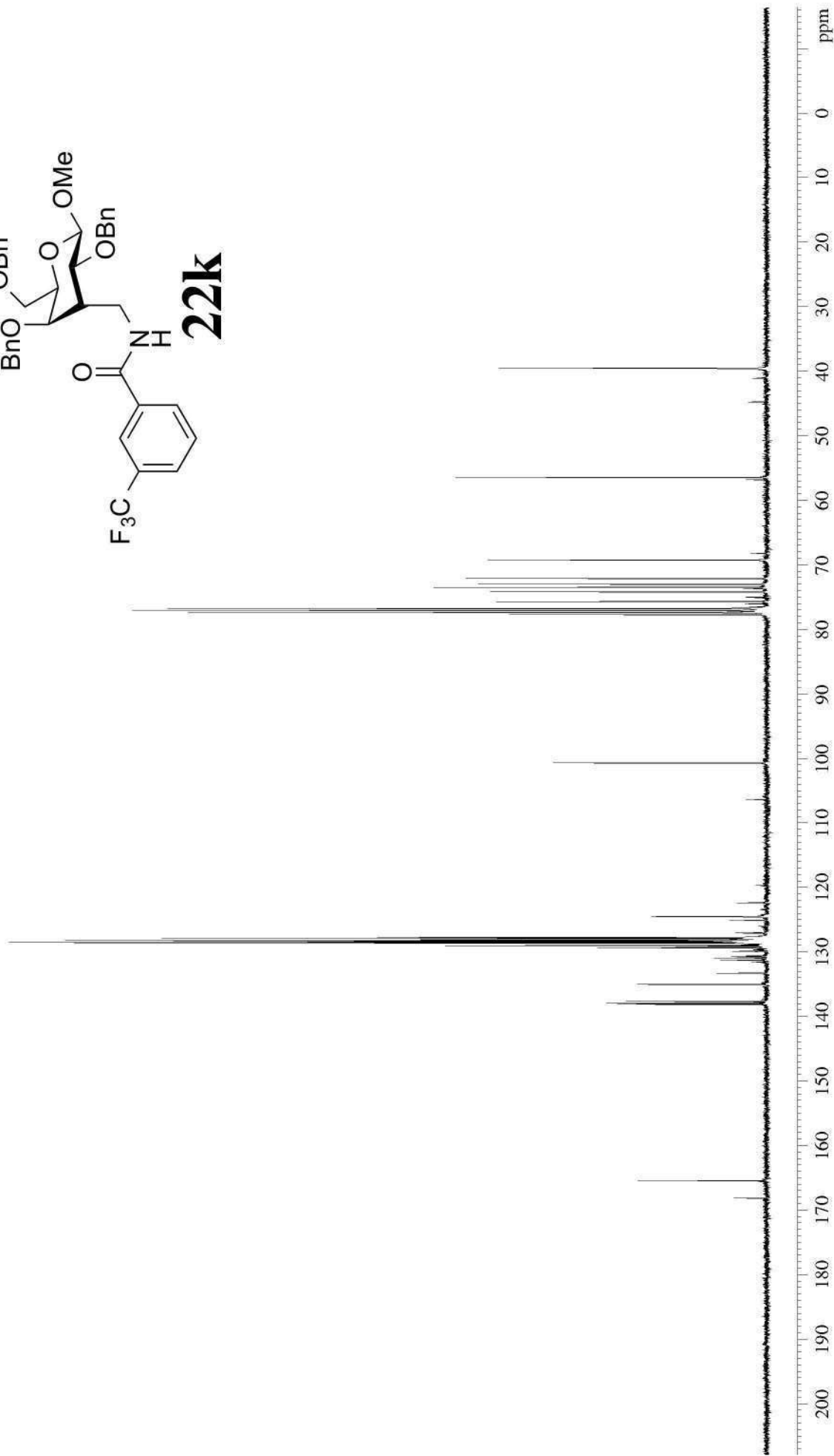
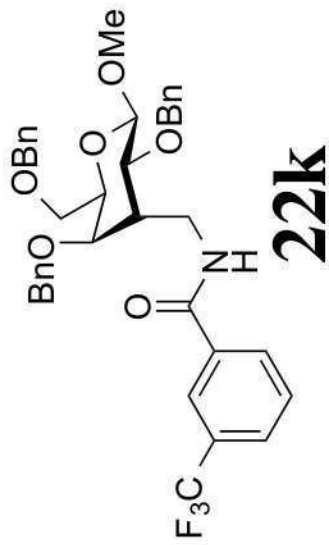




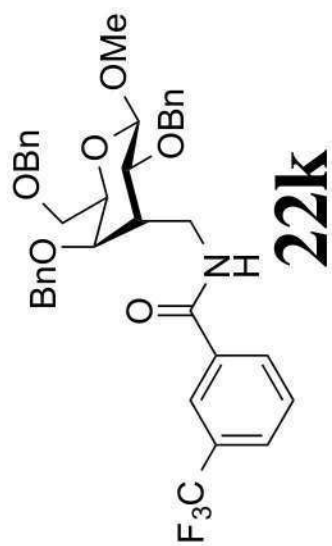




137.95
137.75
137.65
135.01
133.27
131.55
131.31
131.23
130.90
130.62
130.57
129.89
129.86
129.68
129.58
129.36
129.13
129.09
128.97
128.83
128.63
128.57
128.52
128.44
128.42
128.30
128.21
128.15
128.01
127.97
127.94
127.80
127.71
127.05
127.01
126.97
125.08
124.55
124.51
124.47
124.43
122.37
100.68
77.68
77.37
77.05
76.74
75.66
74.15
73.45
72.96
72.10
69.23
56.42
39.52
39.51



-62.69



ppm

-120

-110

-100

-90

-80

-70

-60

-50

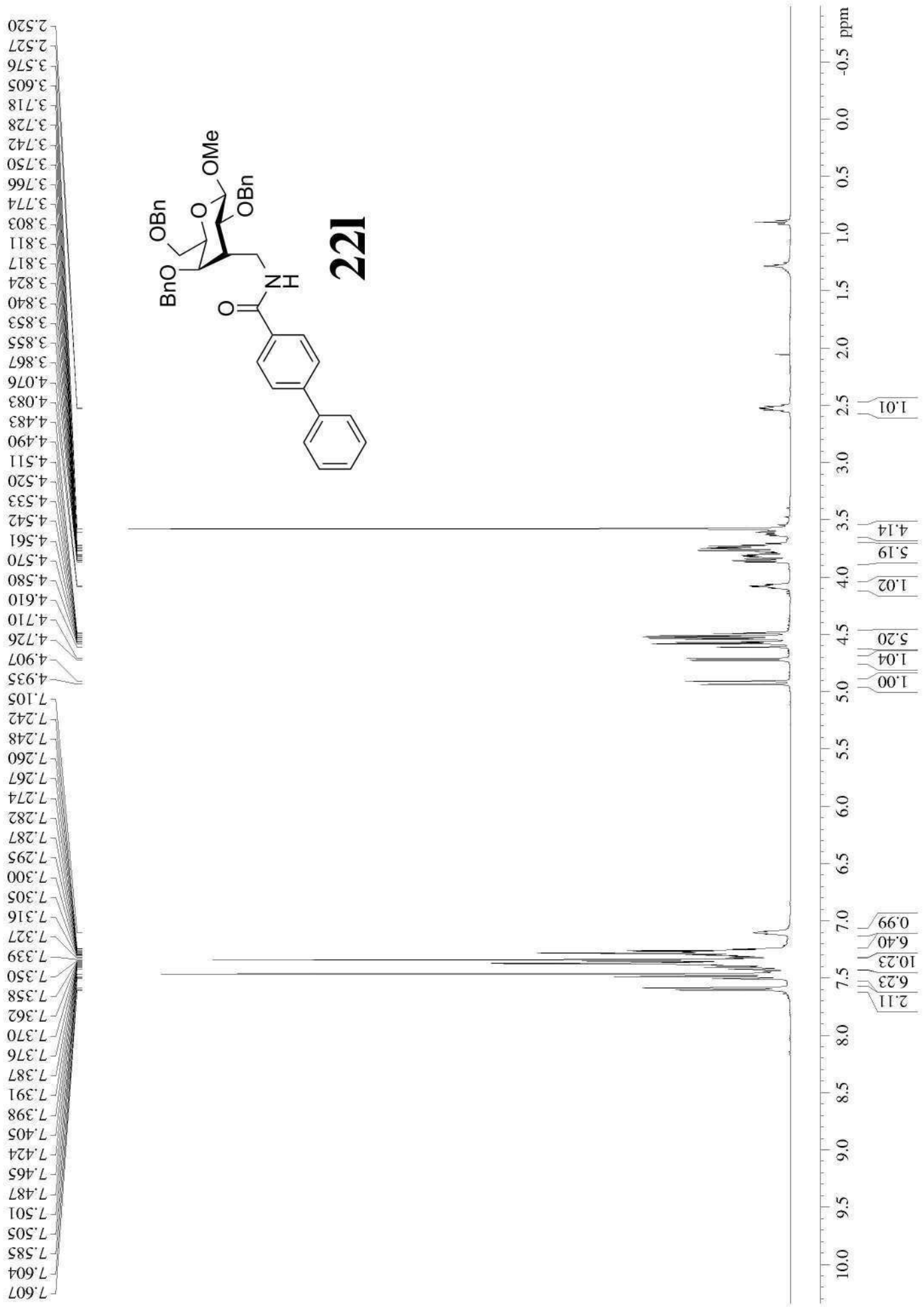
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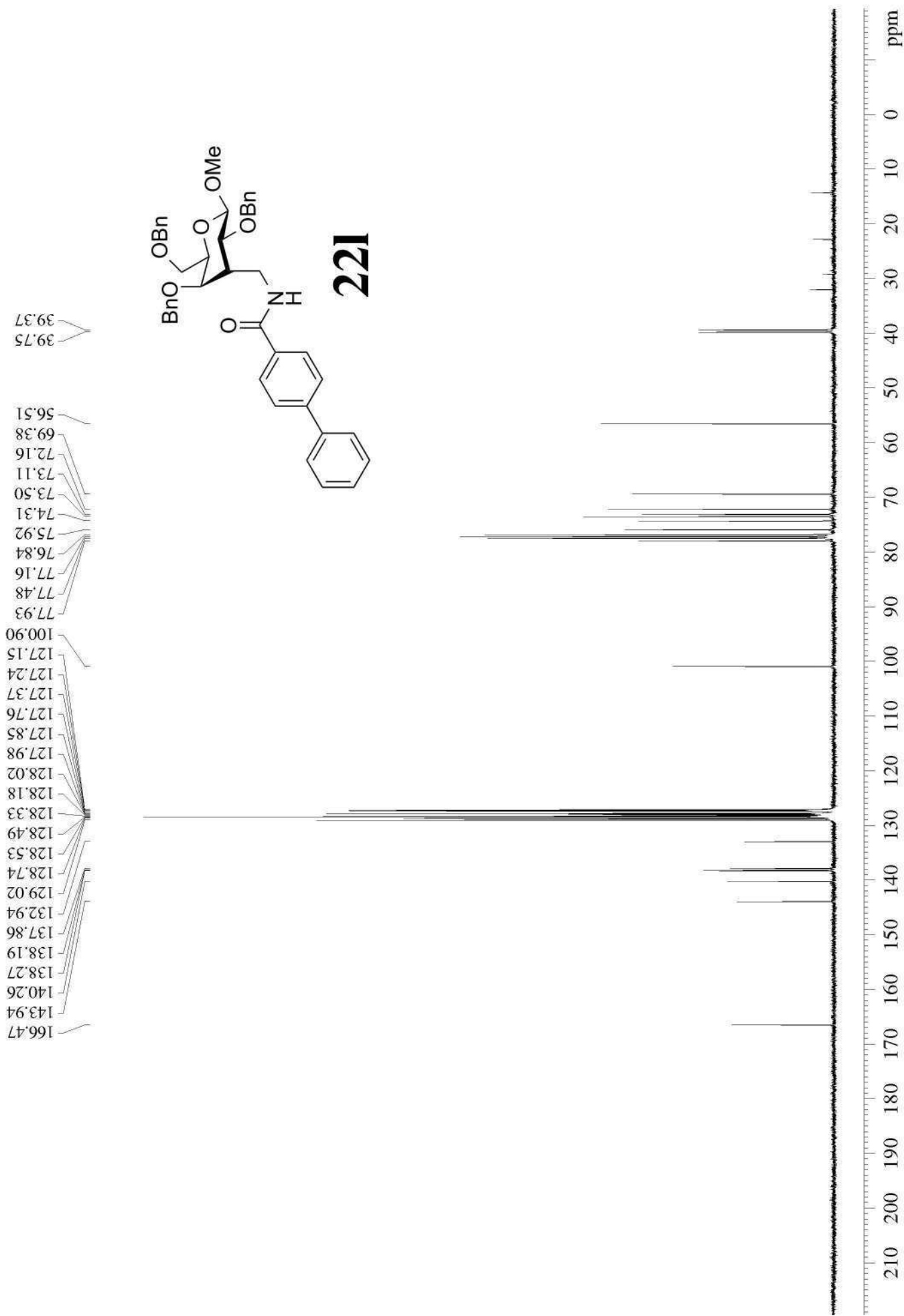
-30

-20

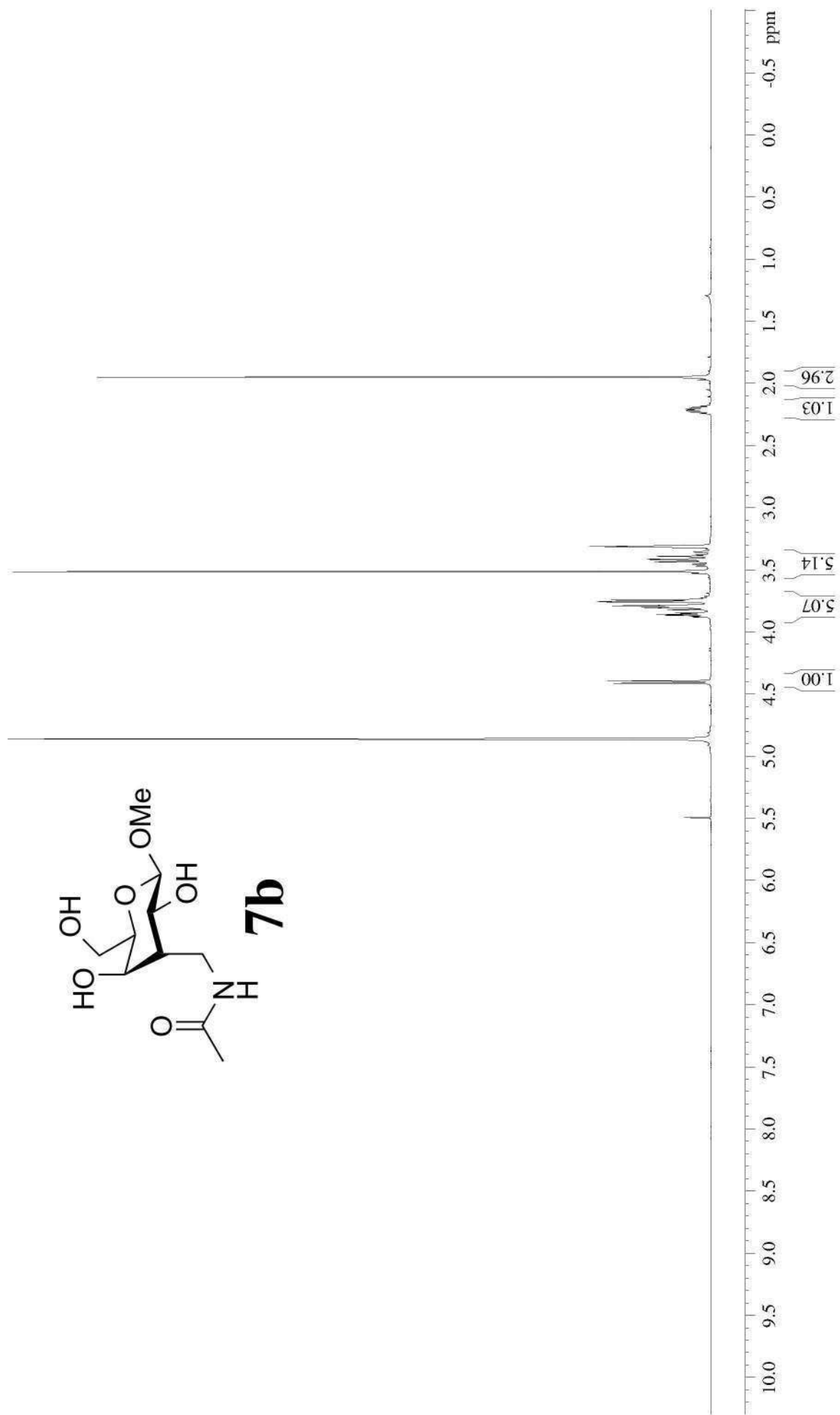
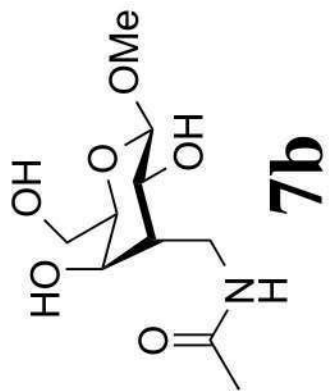
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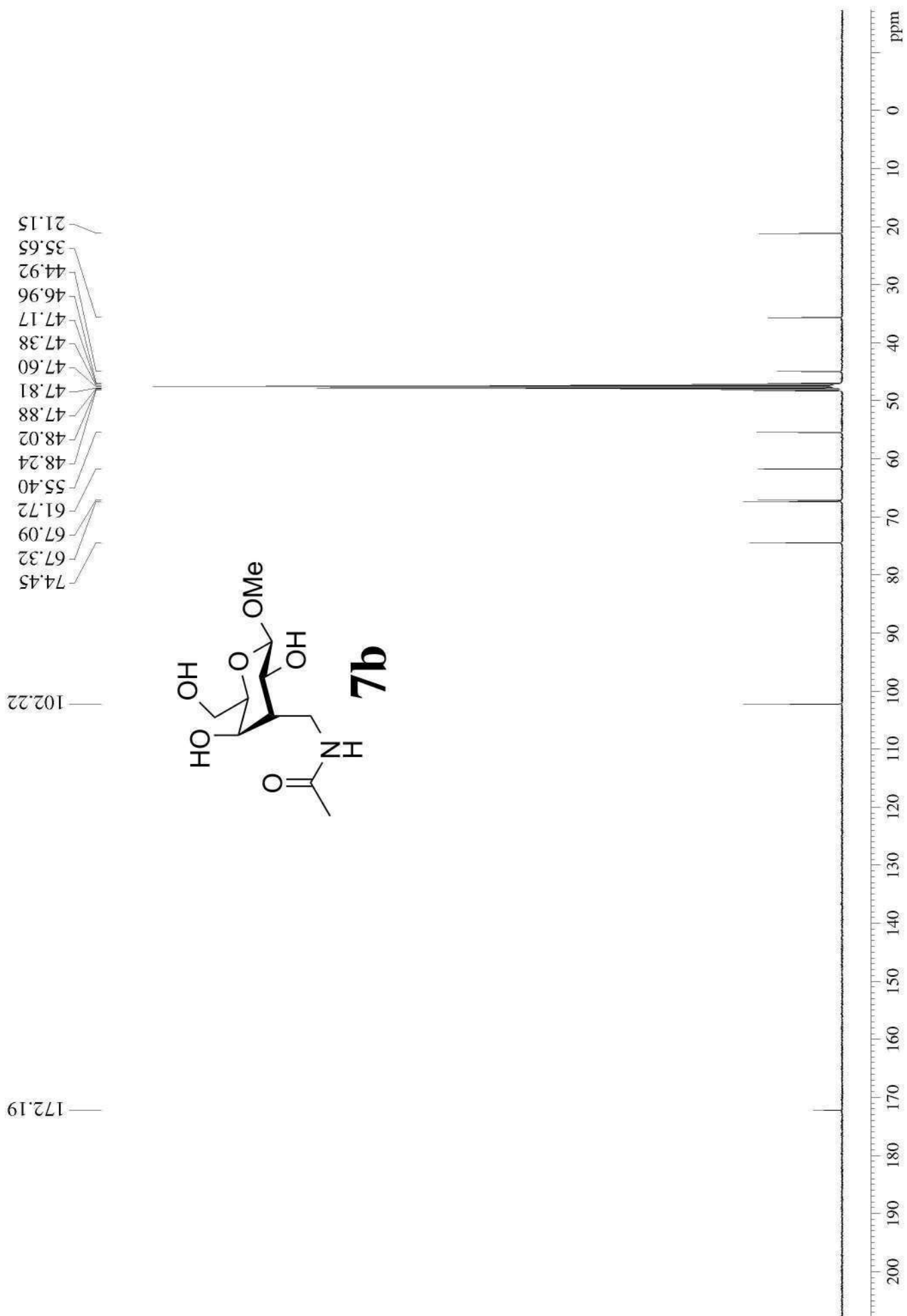
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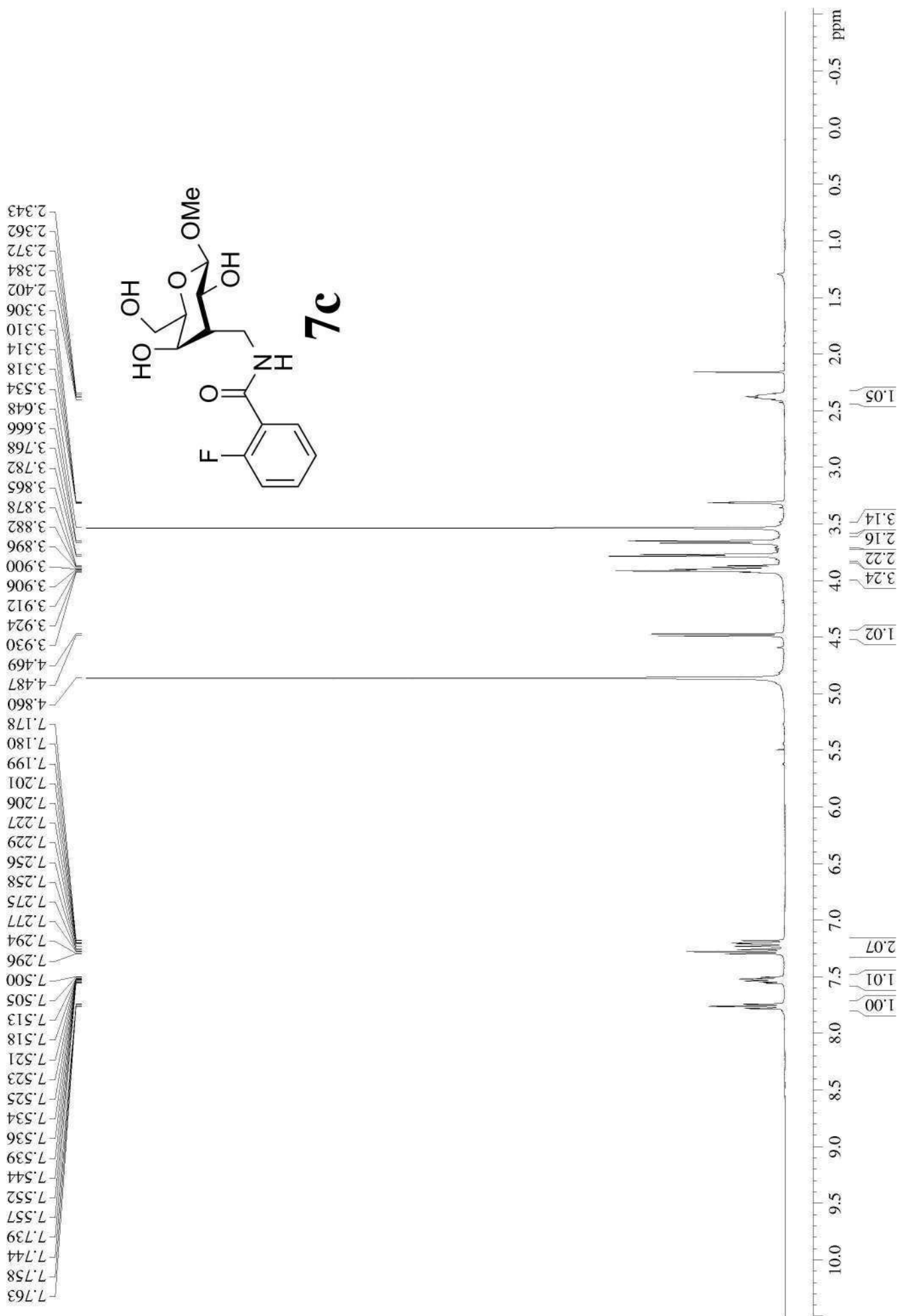


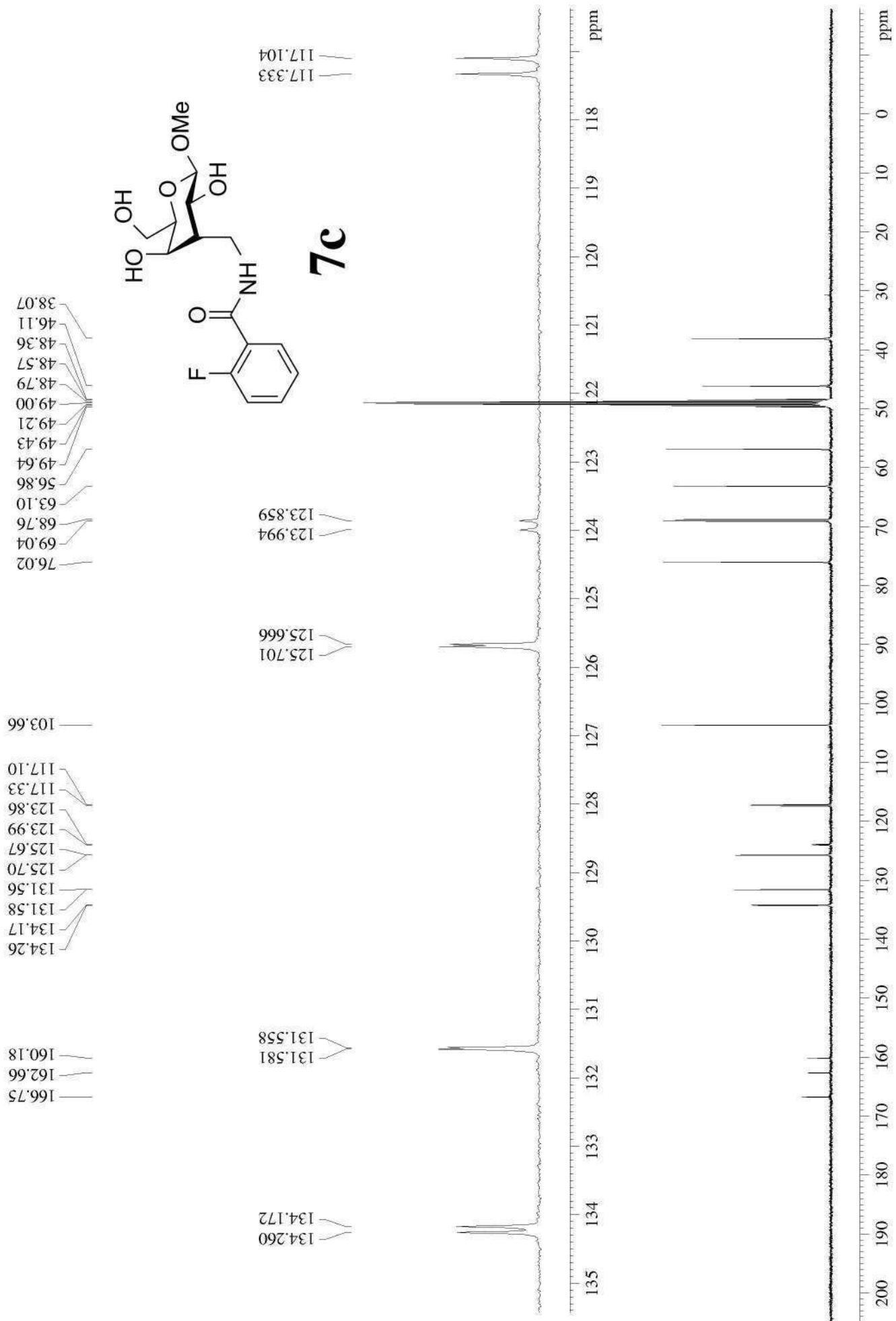


4.860
4.410
4.393
3.878
3.873
3.864
3.858
3.849
3.844
3.818
3.805
3.799
3.792
3.787
3.782
3.756
3.753
3.739
3.725
3.526
3.512
3.467
3.452
3.432
3.417
3.412
3.390
3.377
3.355
3.318
3.314
3.310
3.306
3.302
2.240
2.226
2.215
2.204
2.193
2.179
1.947

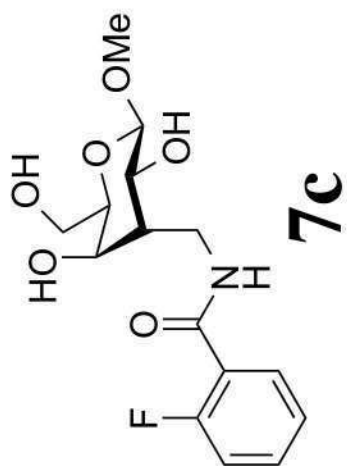


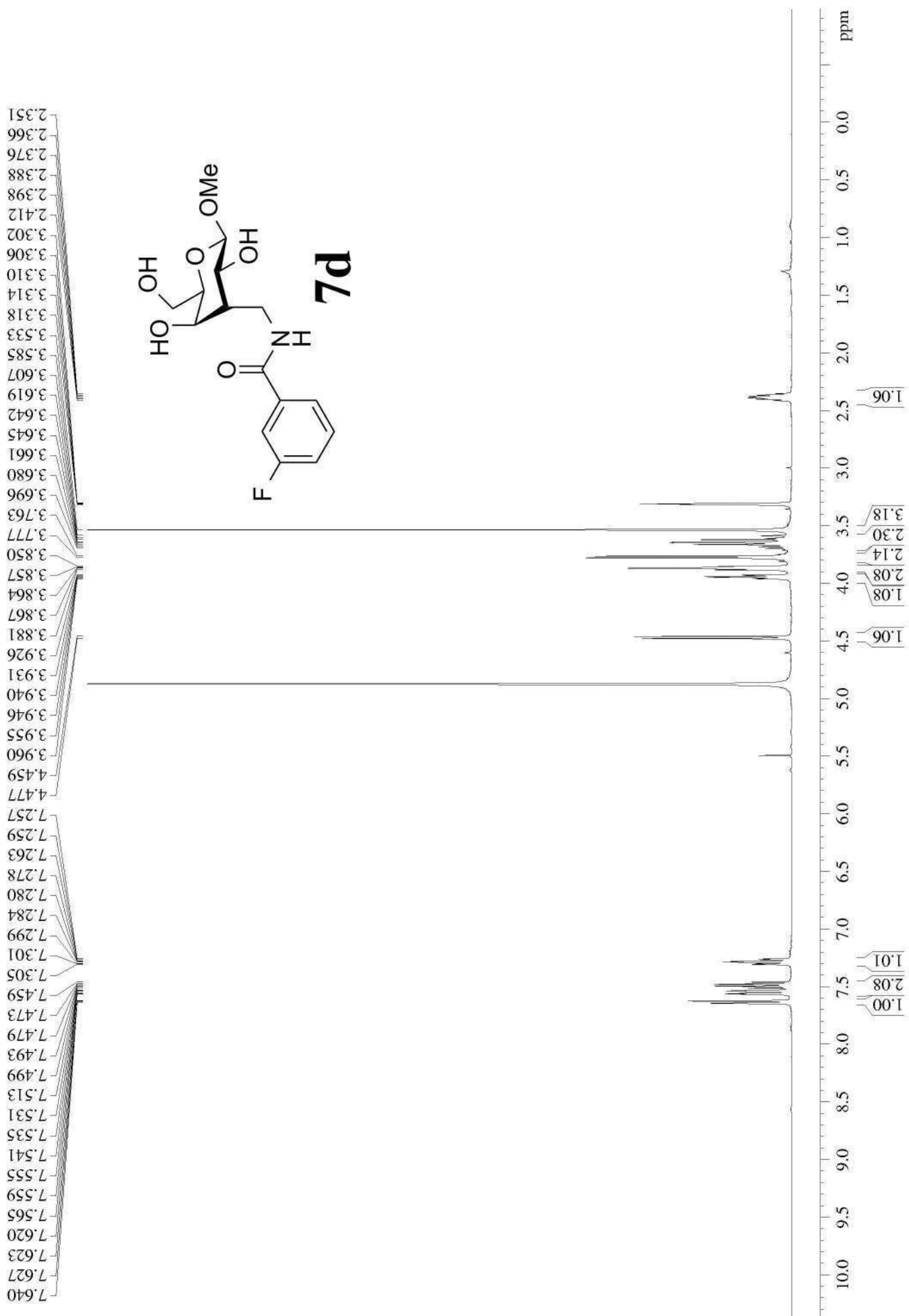


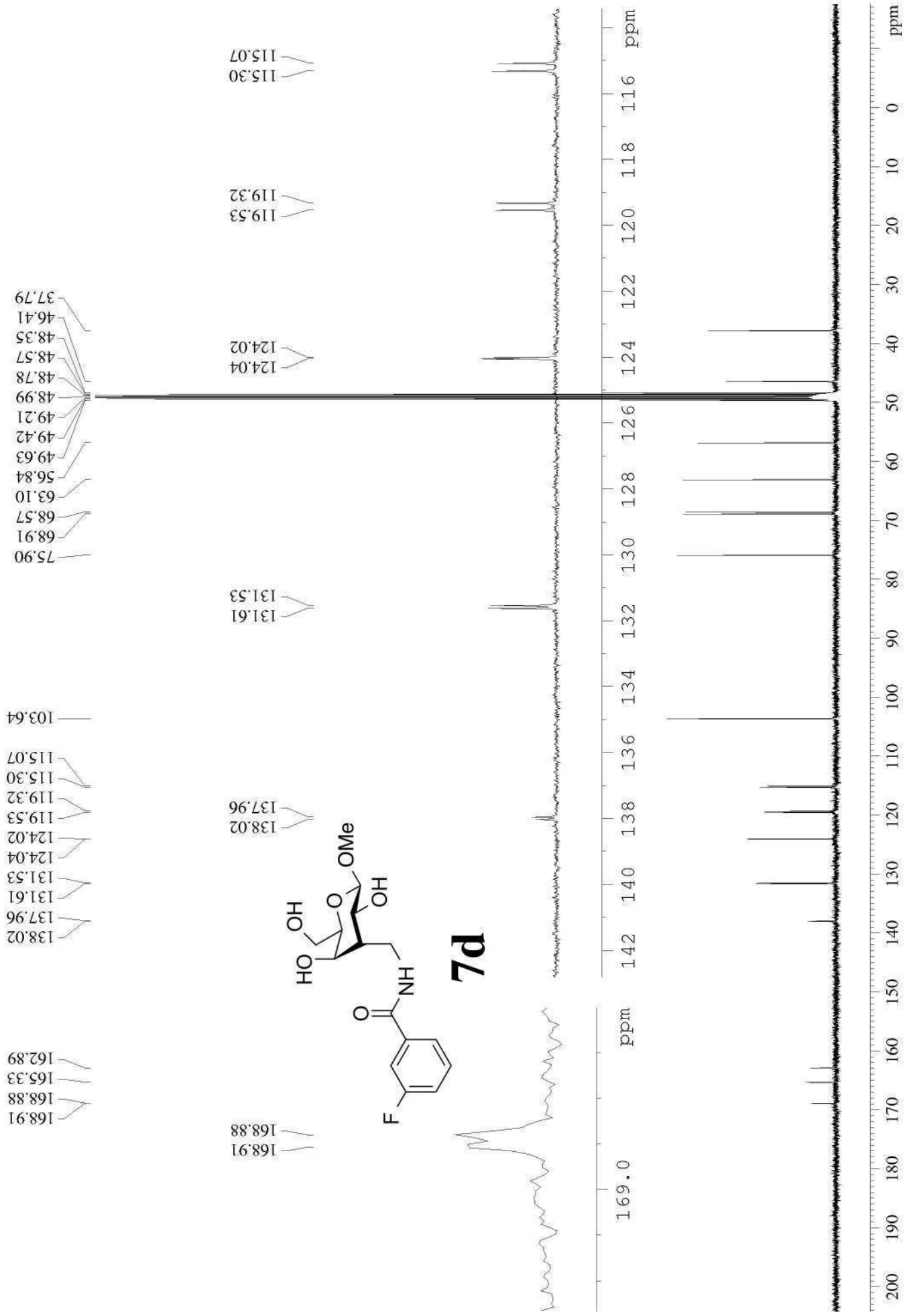


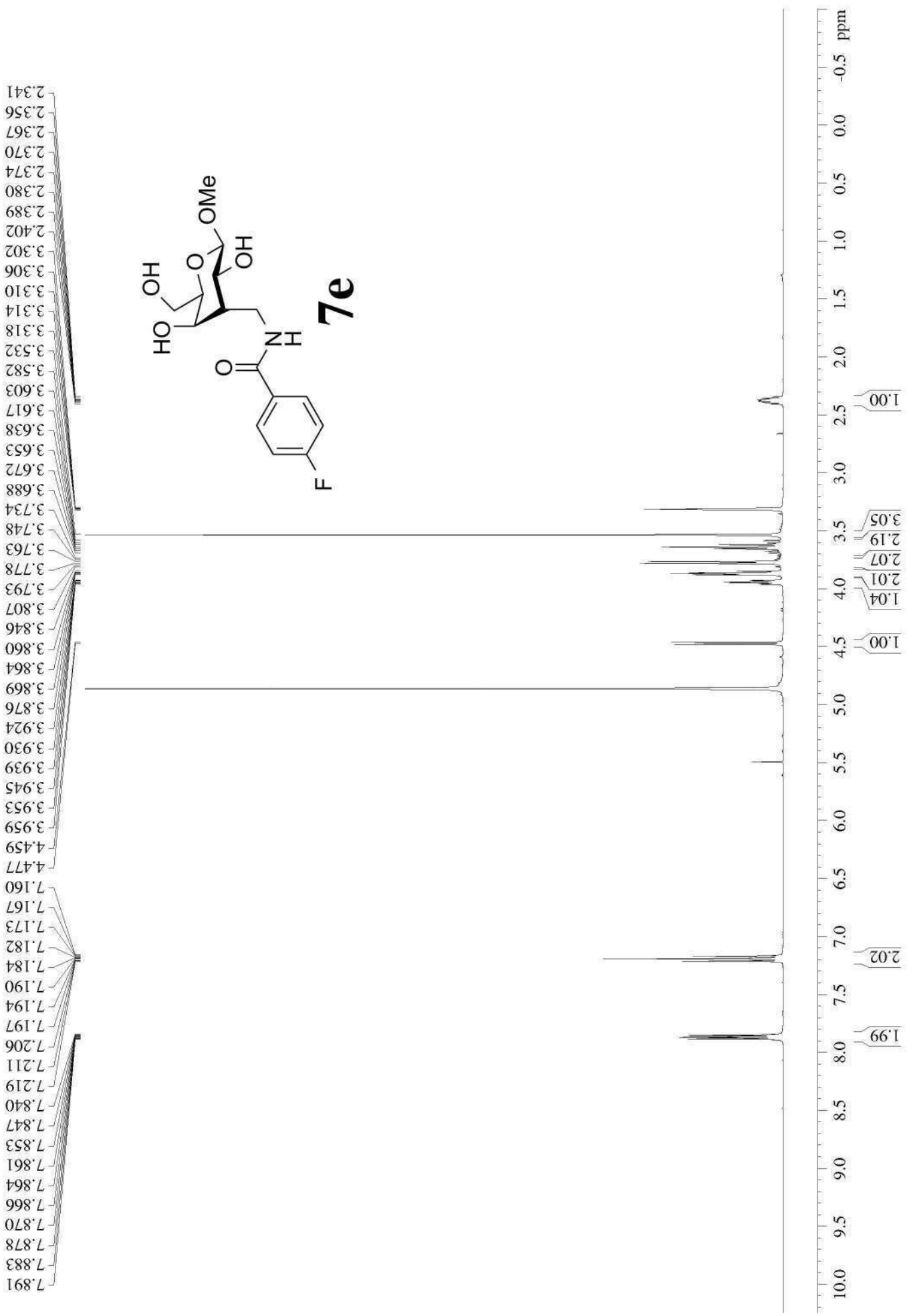


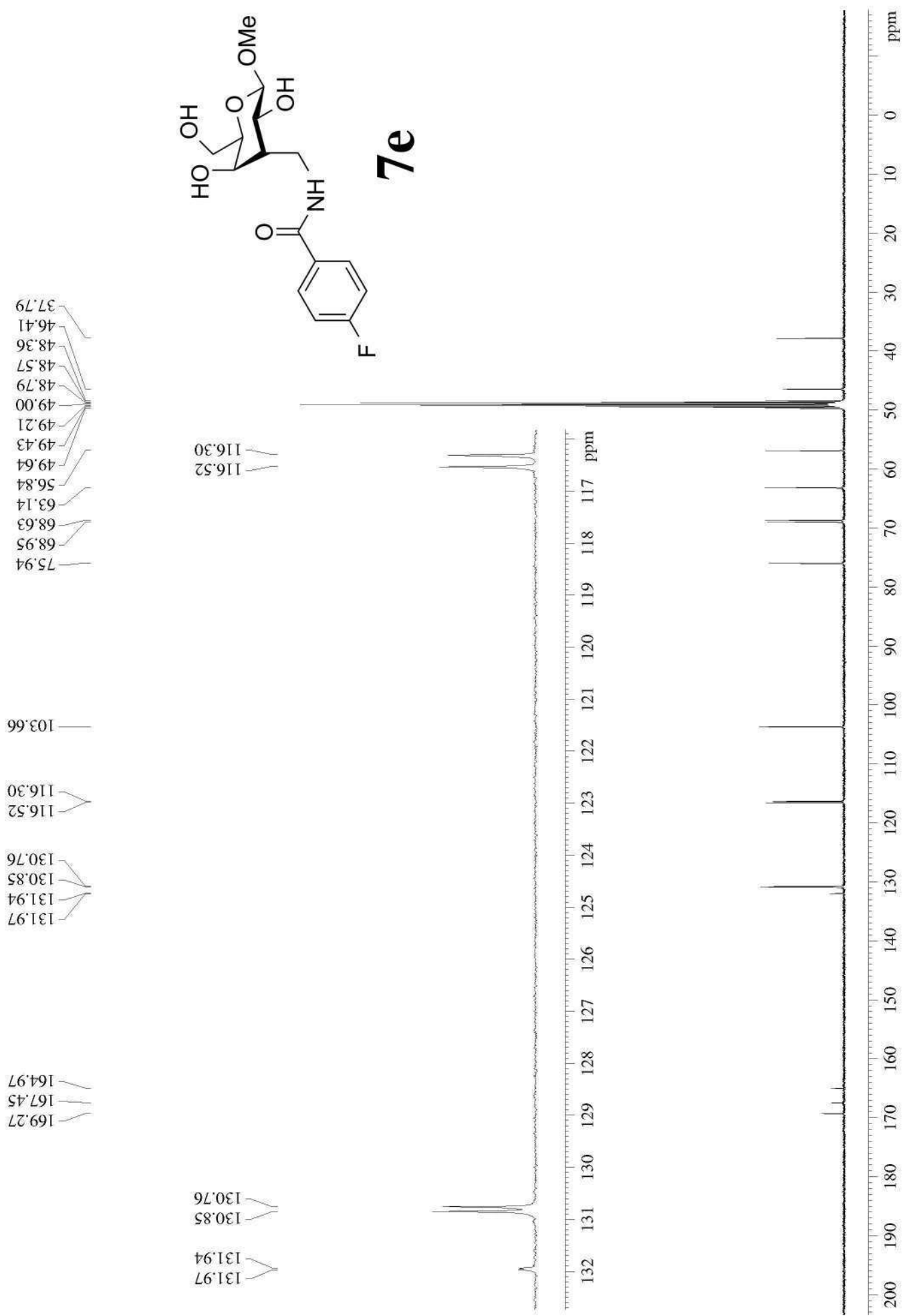
—110.67



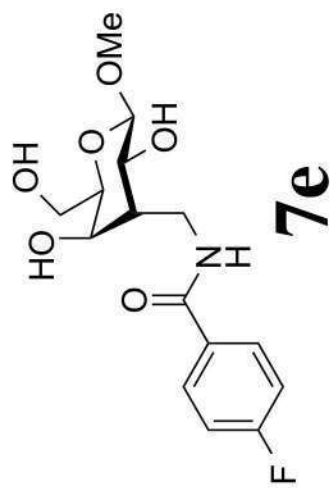


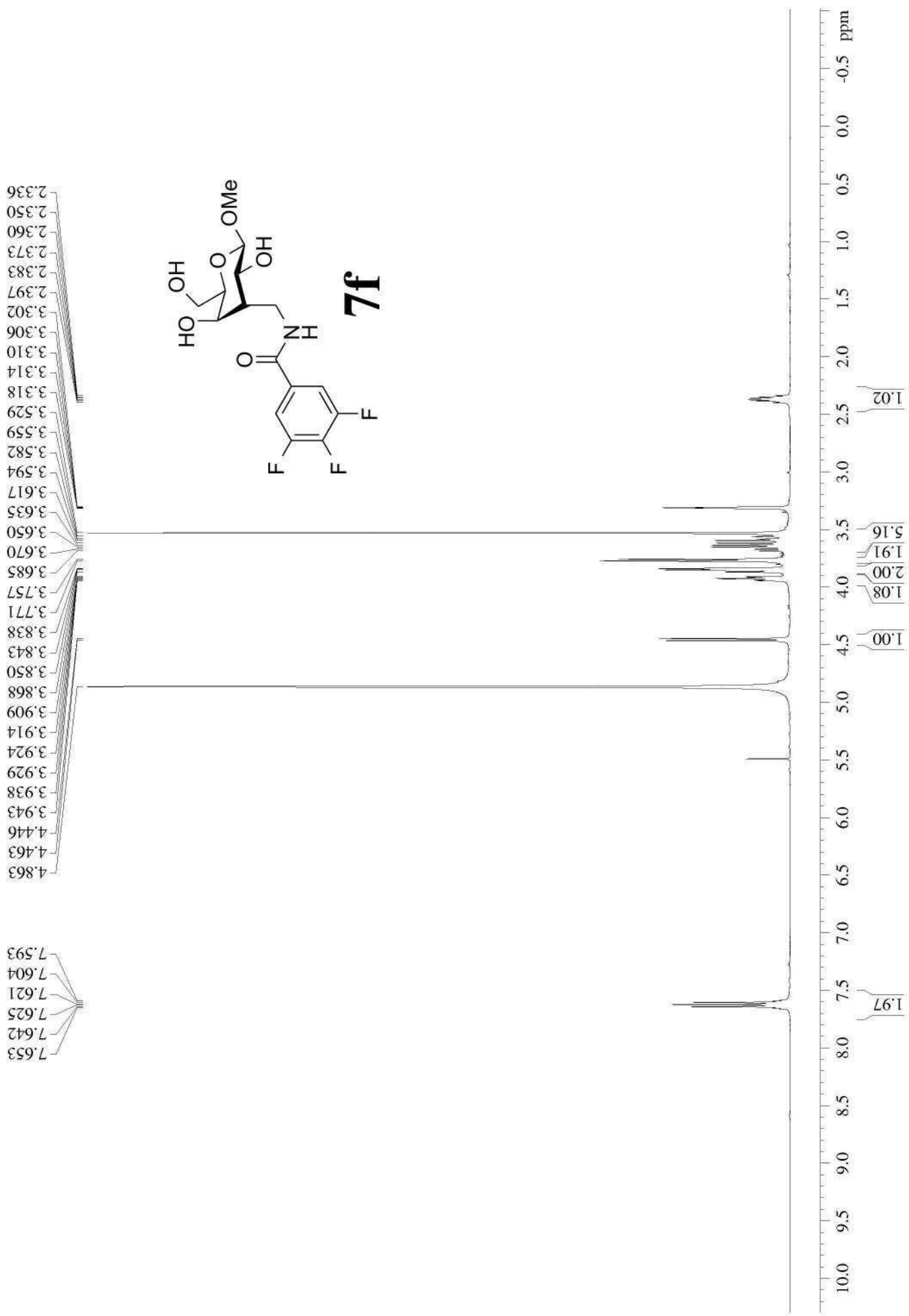


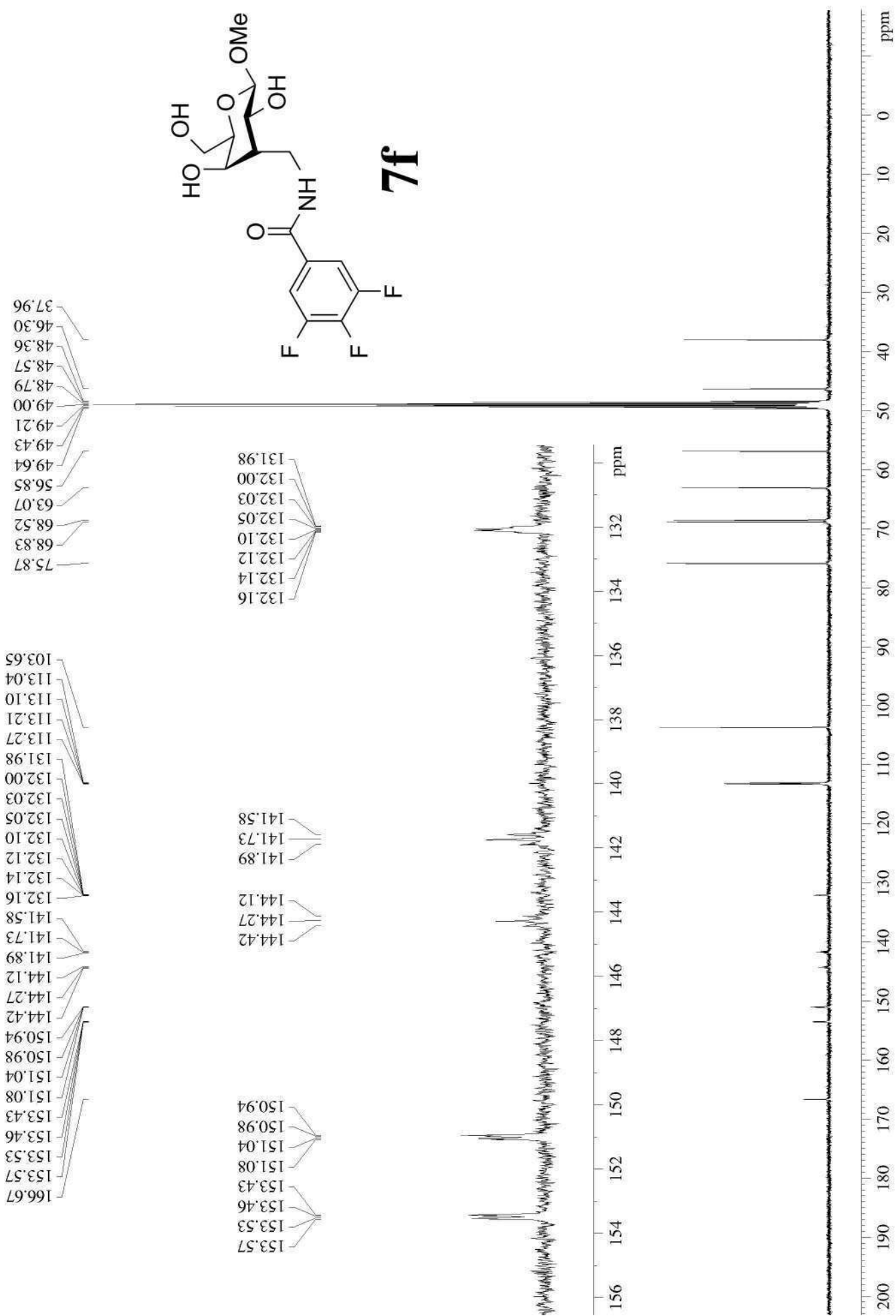


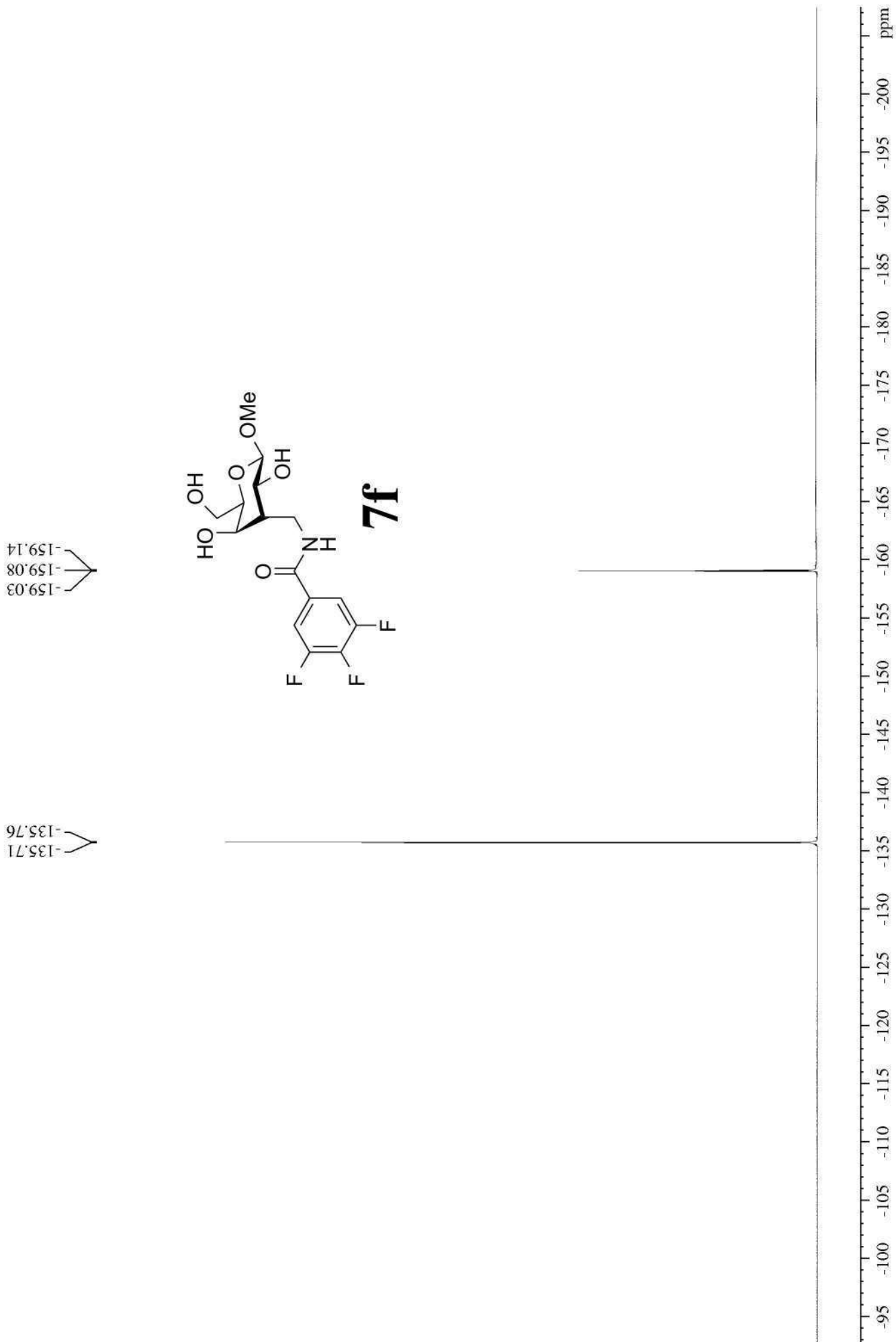


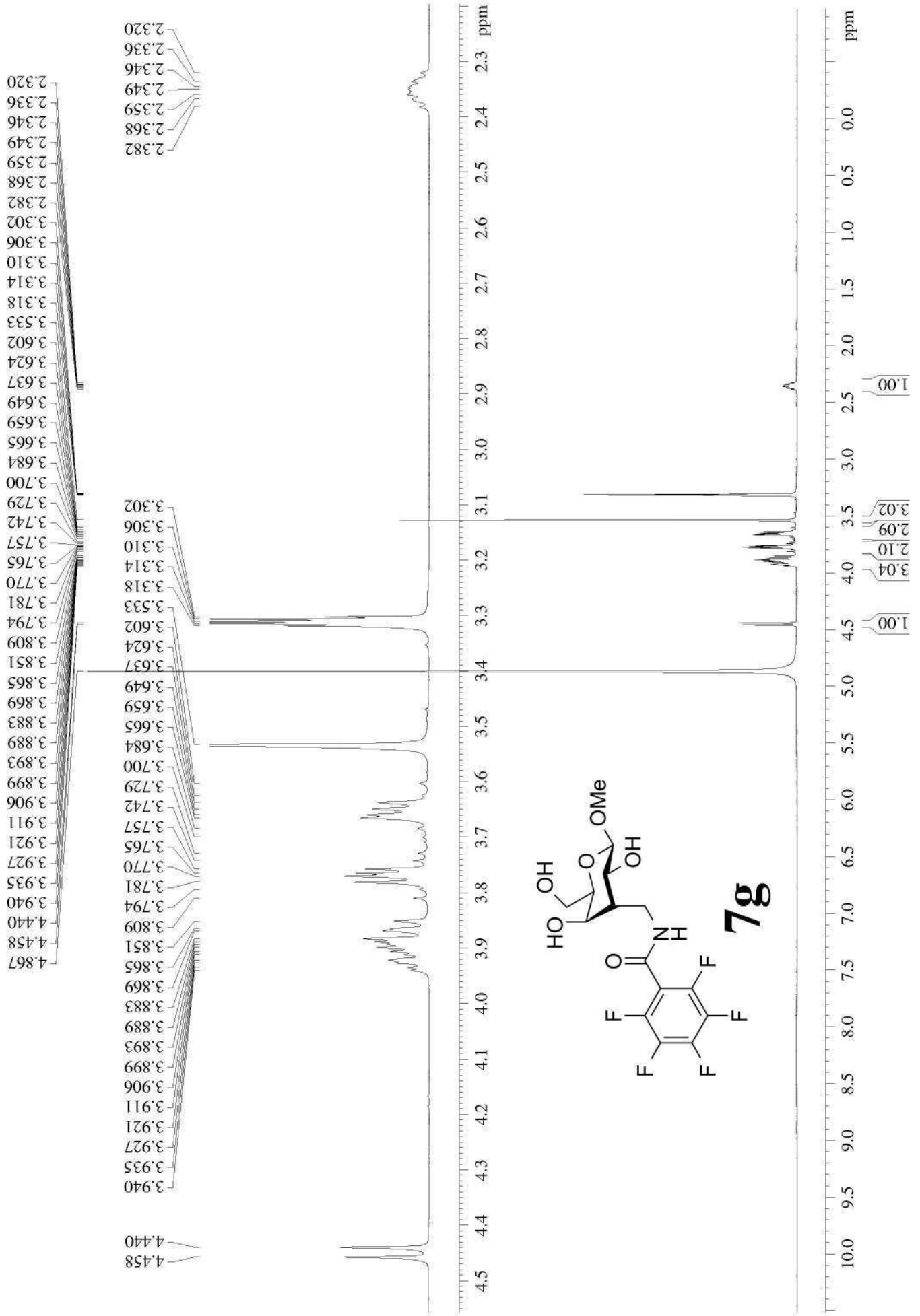
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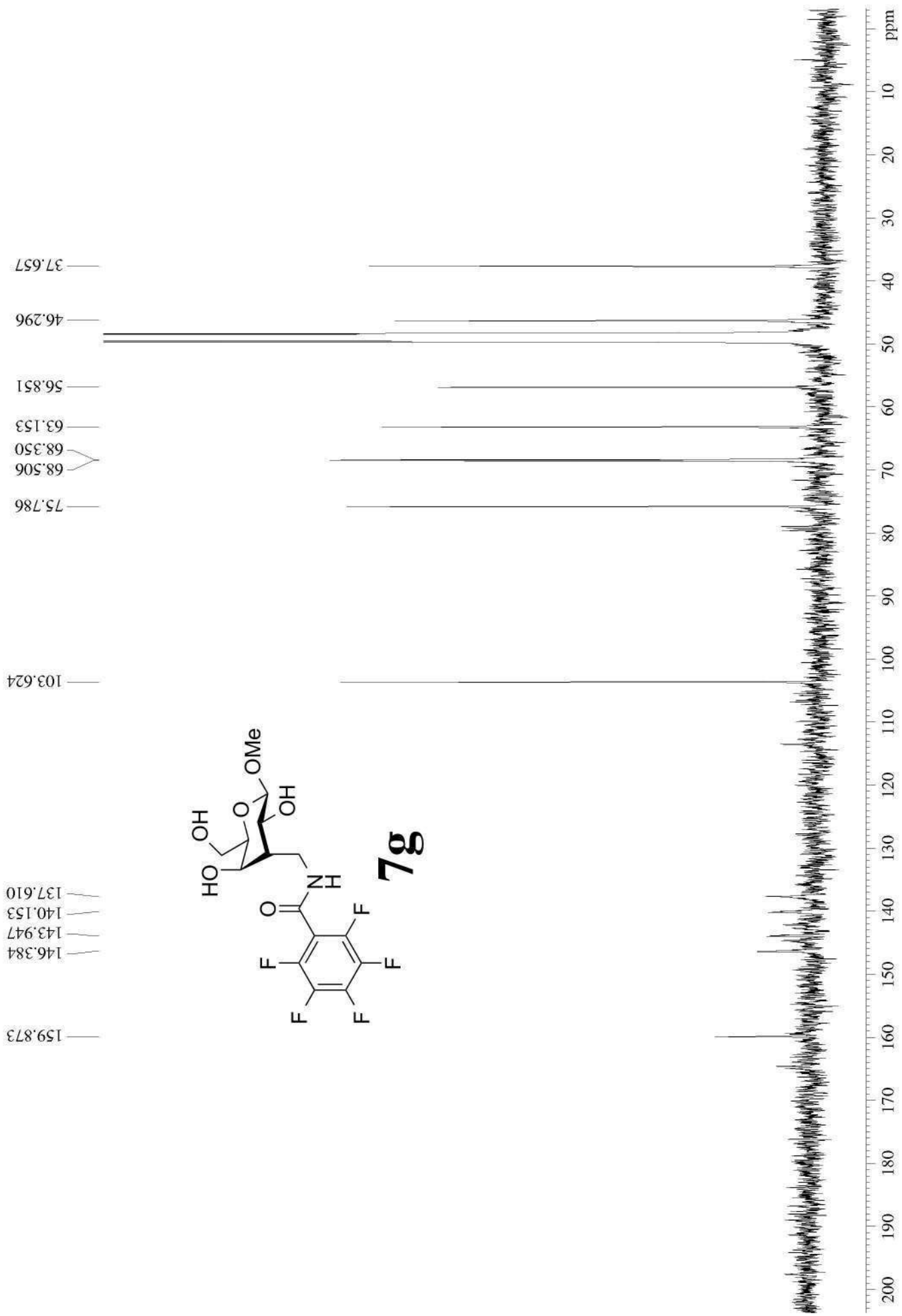


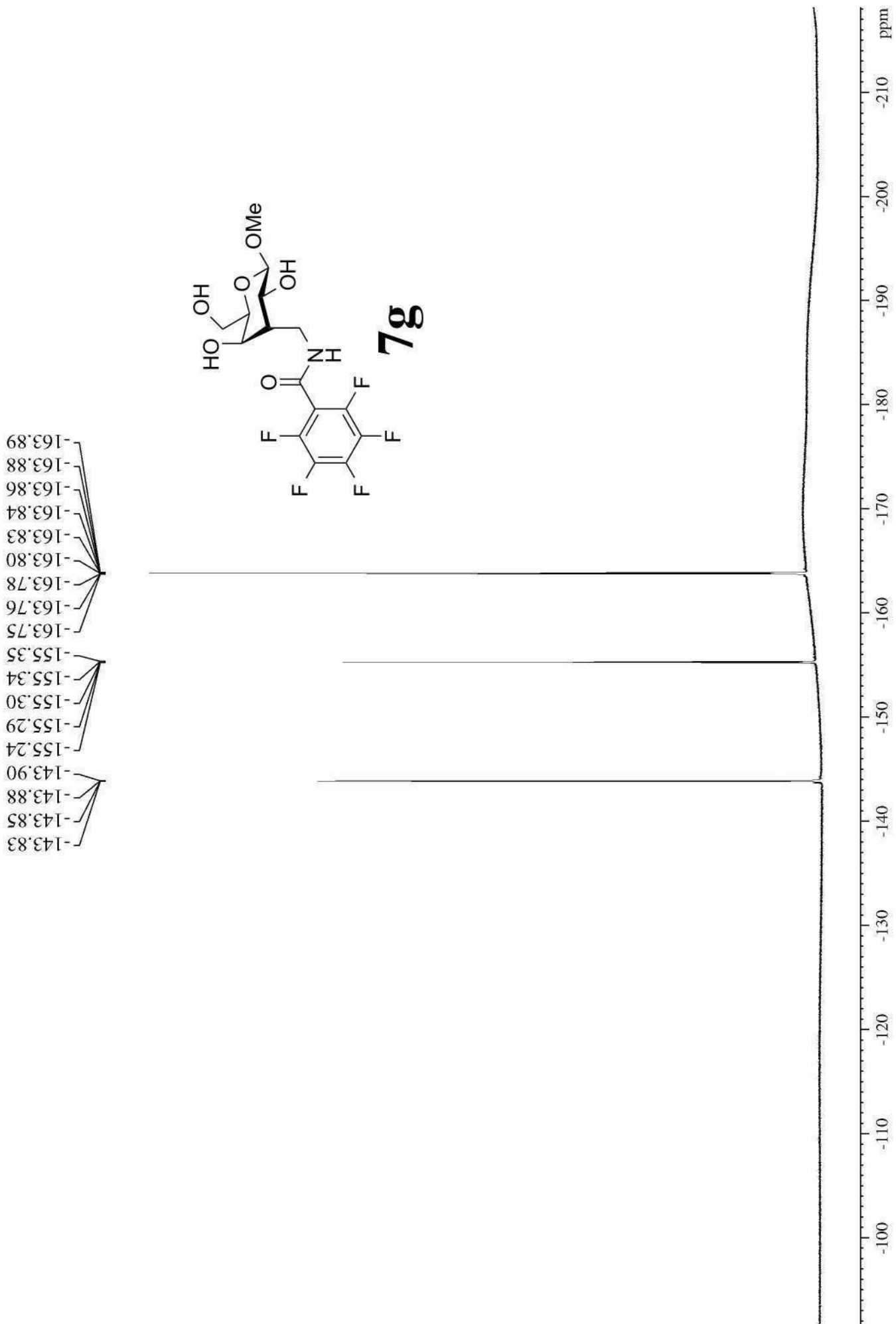


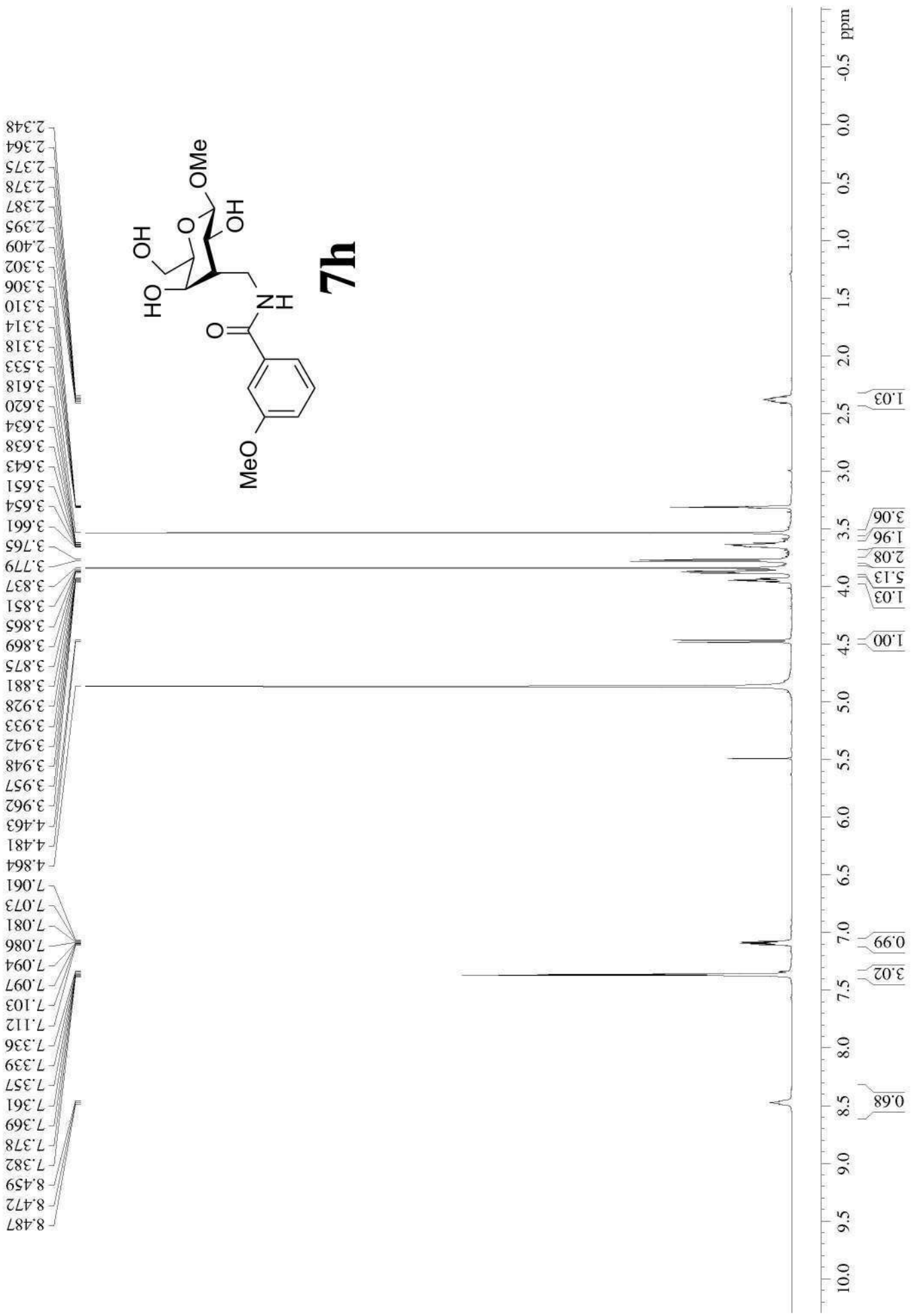


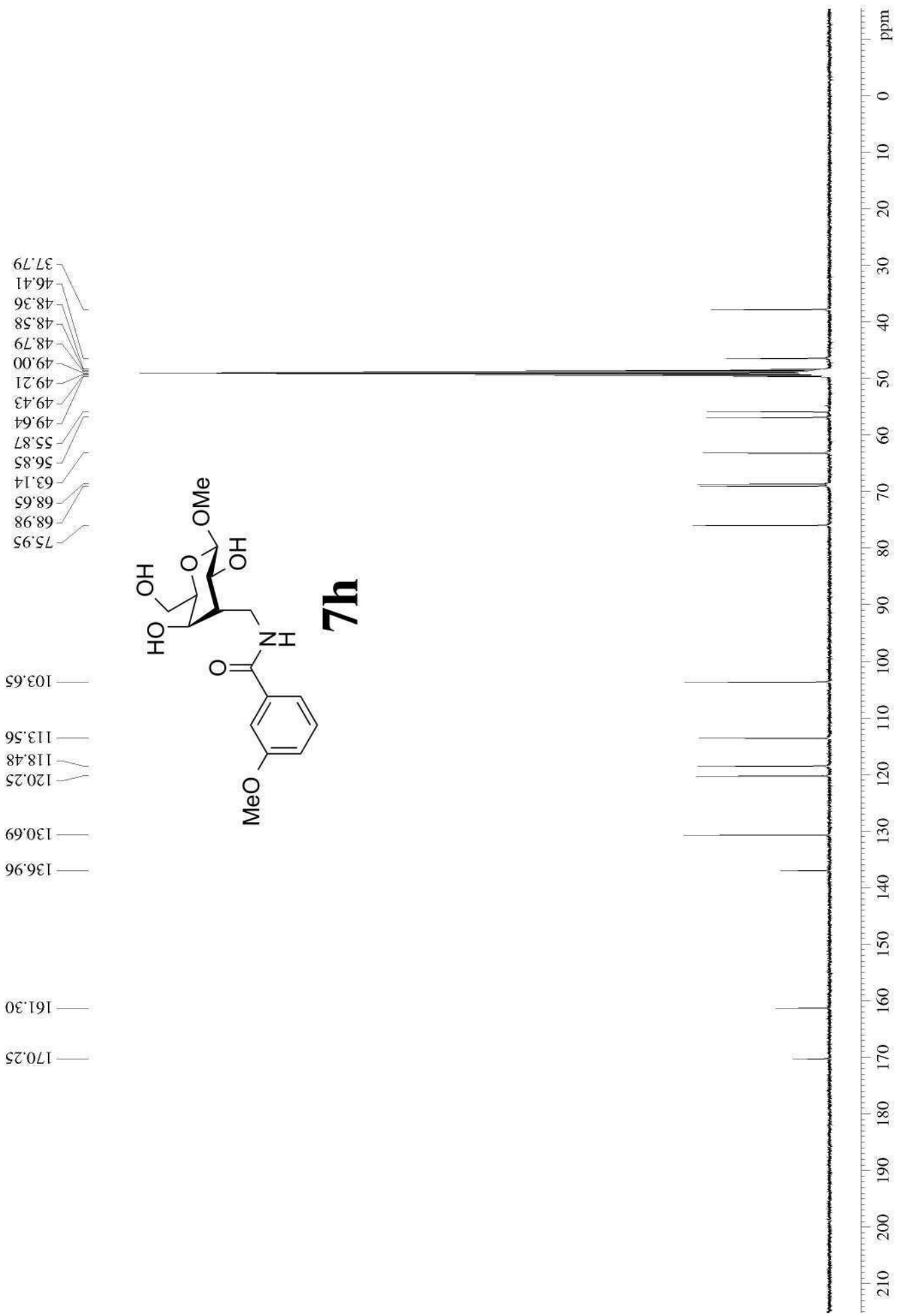


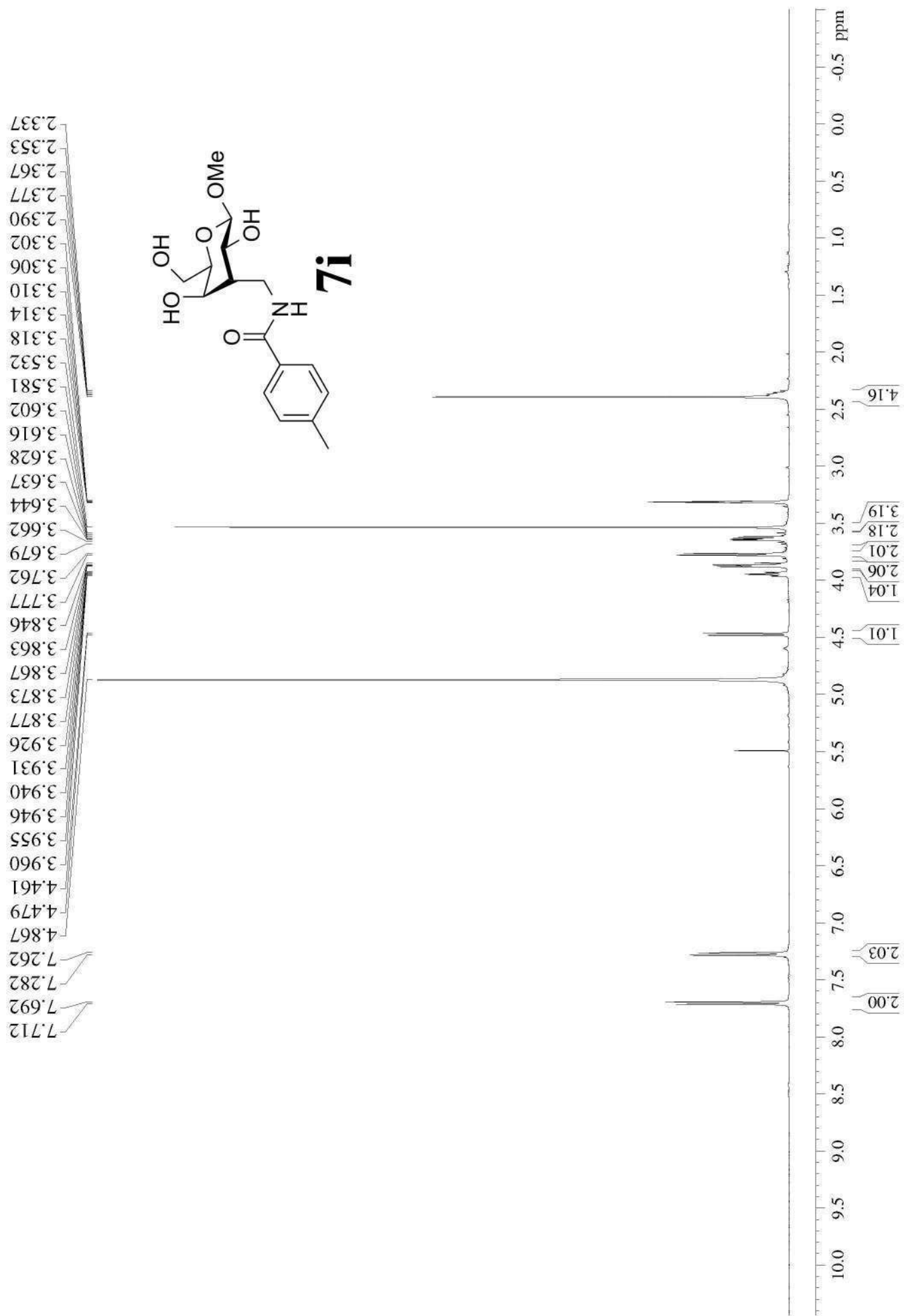


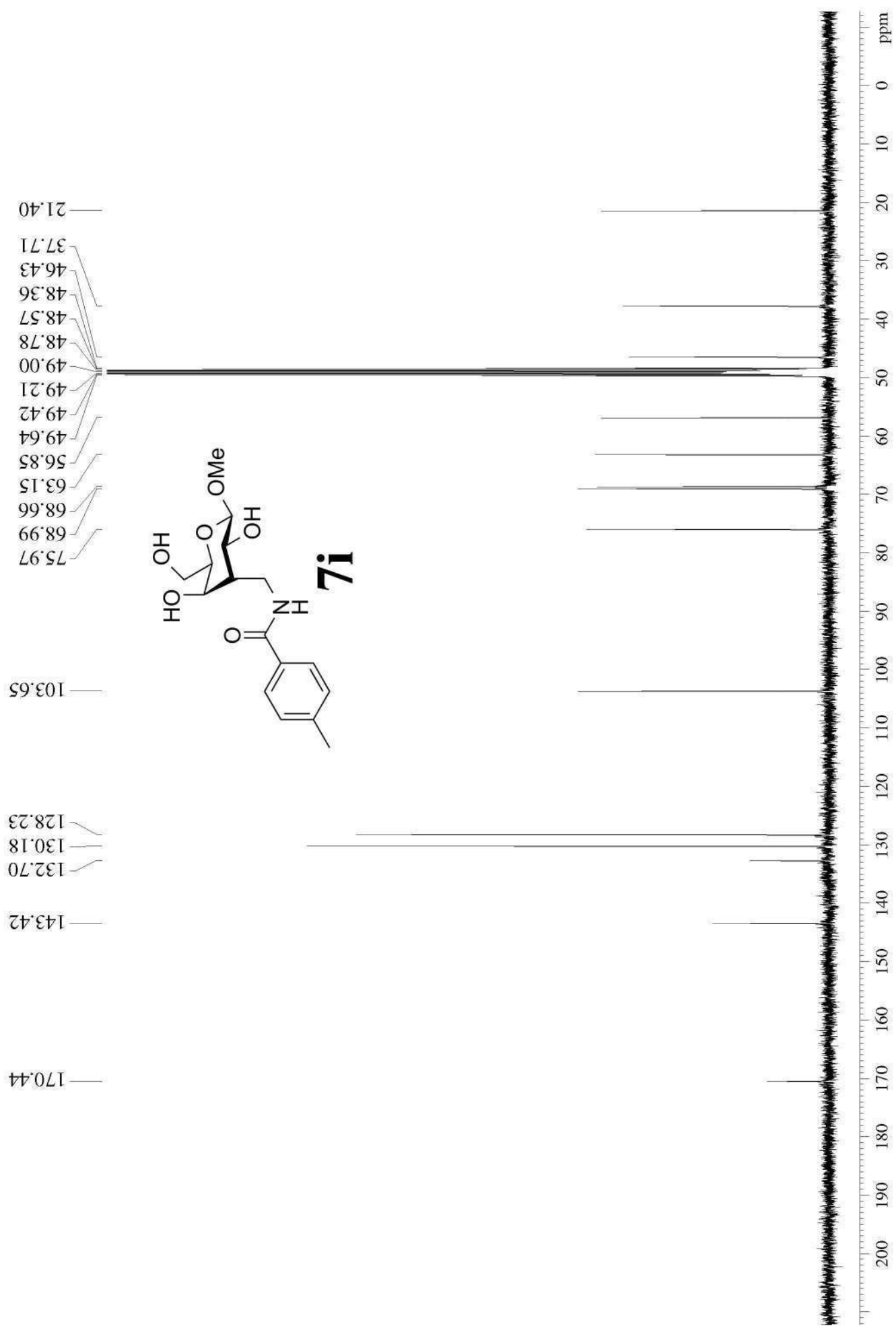


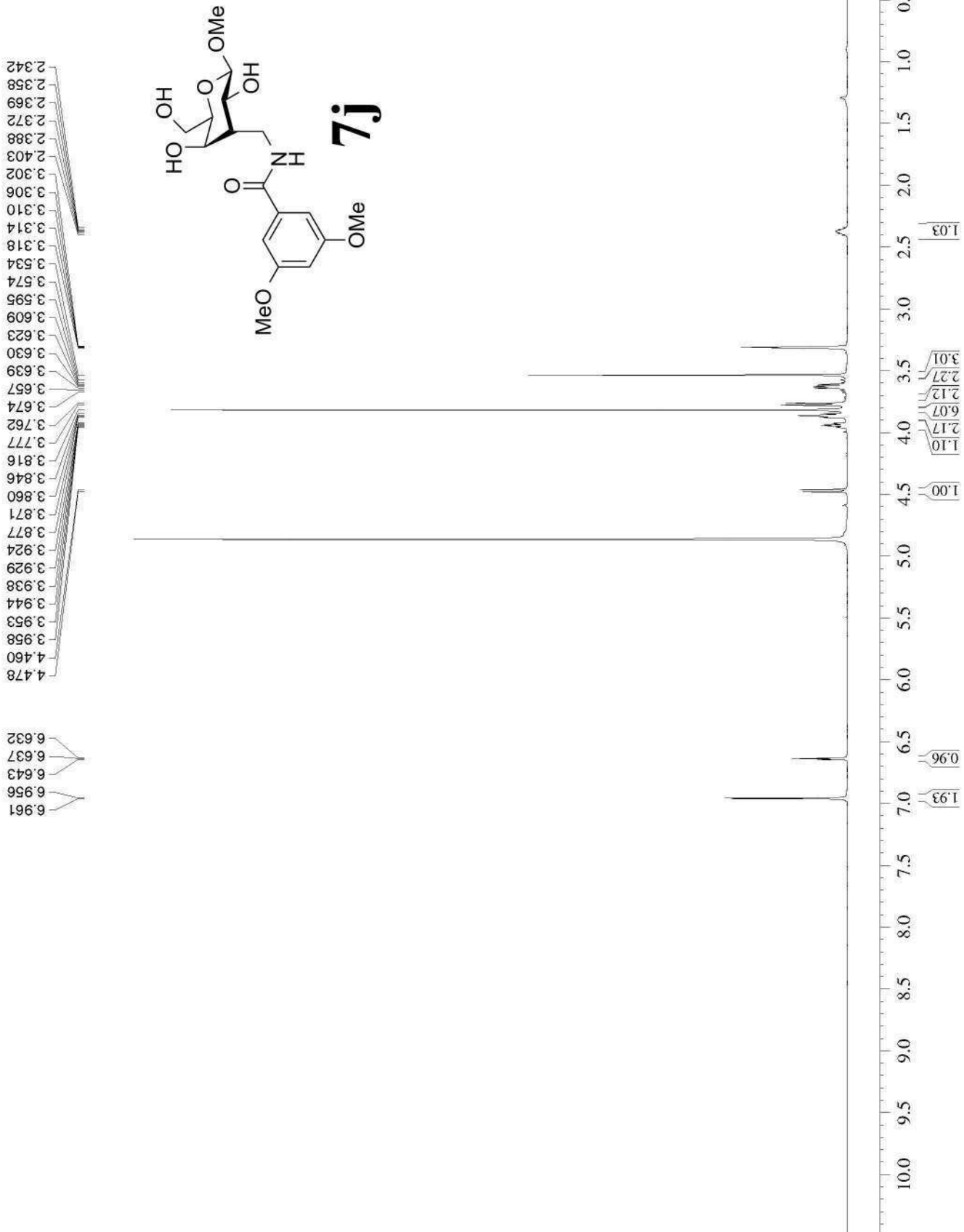


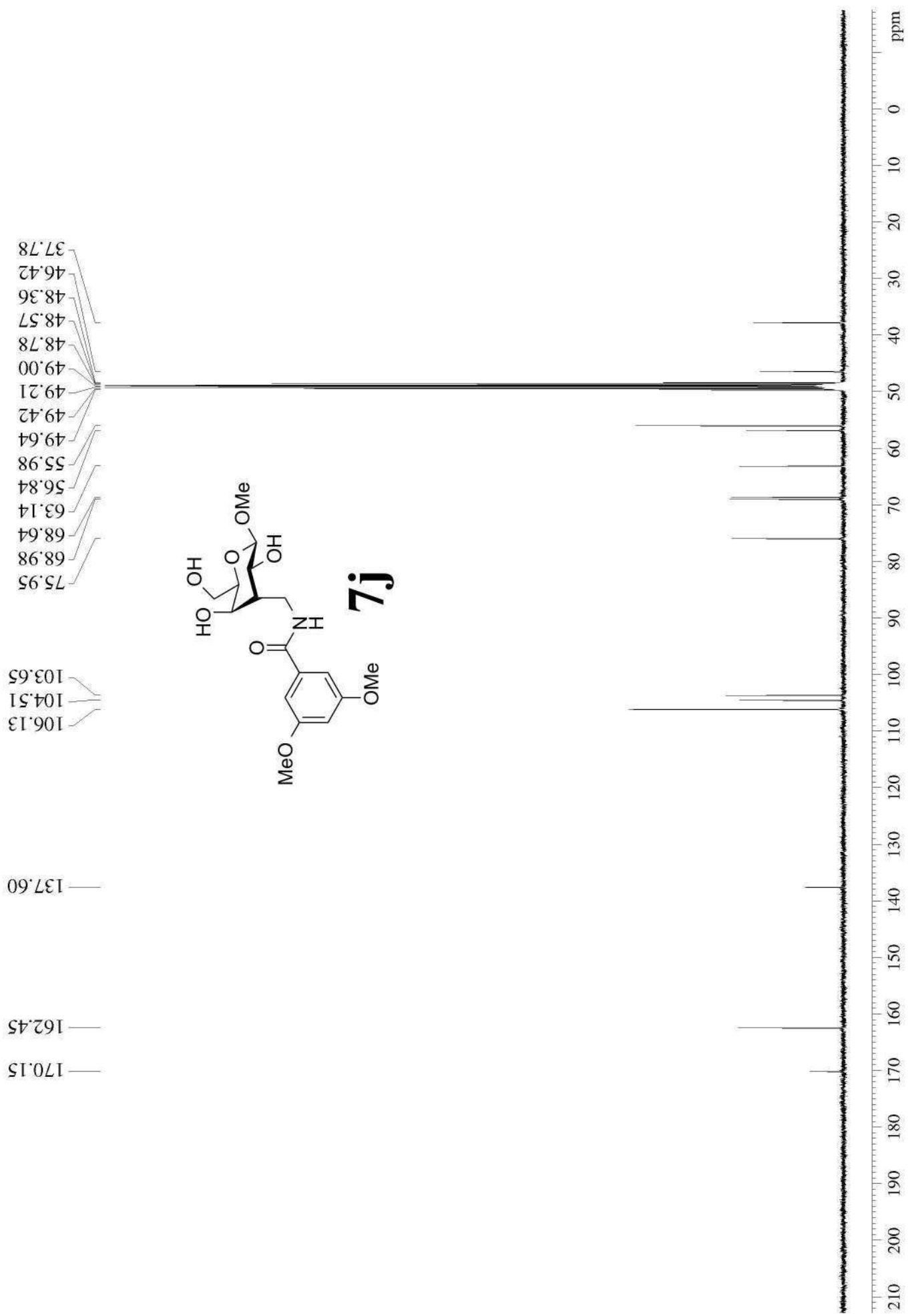


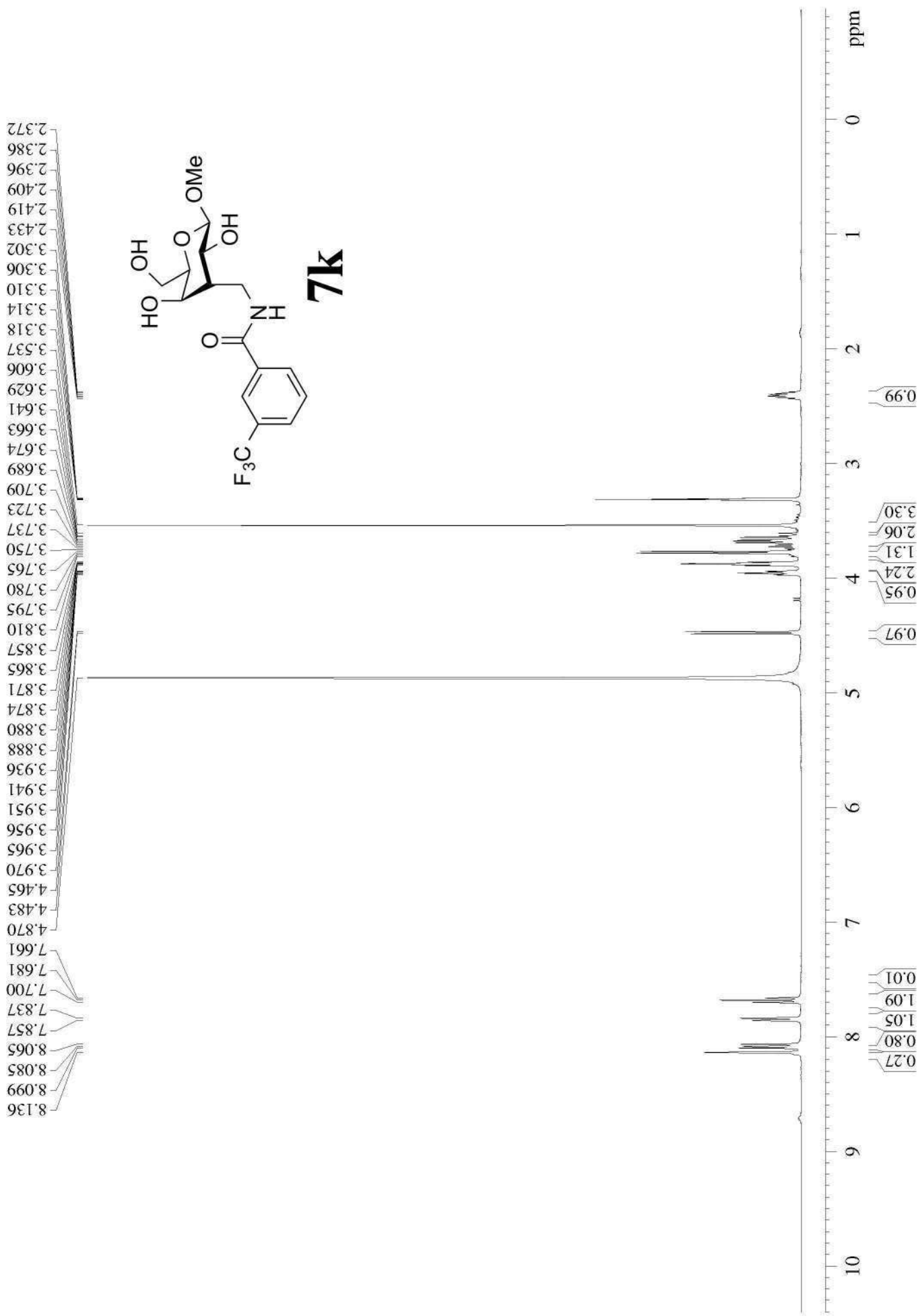


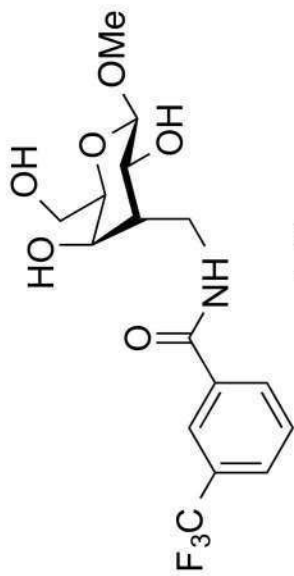










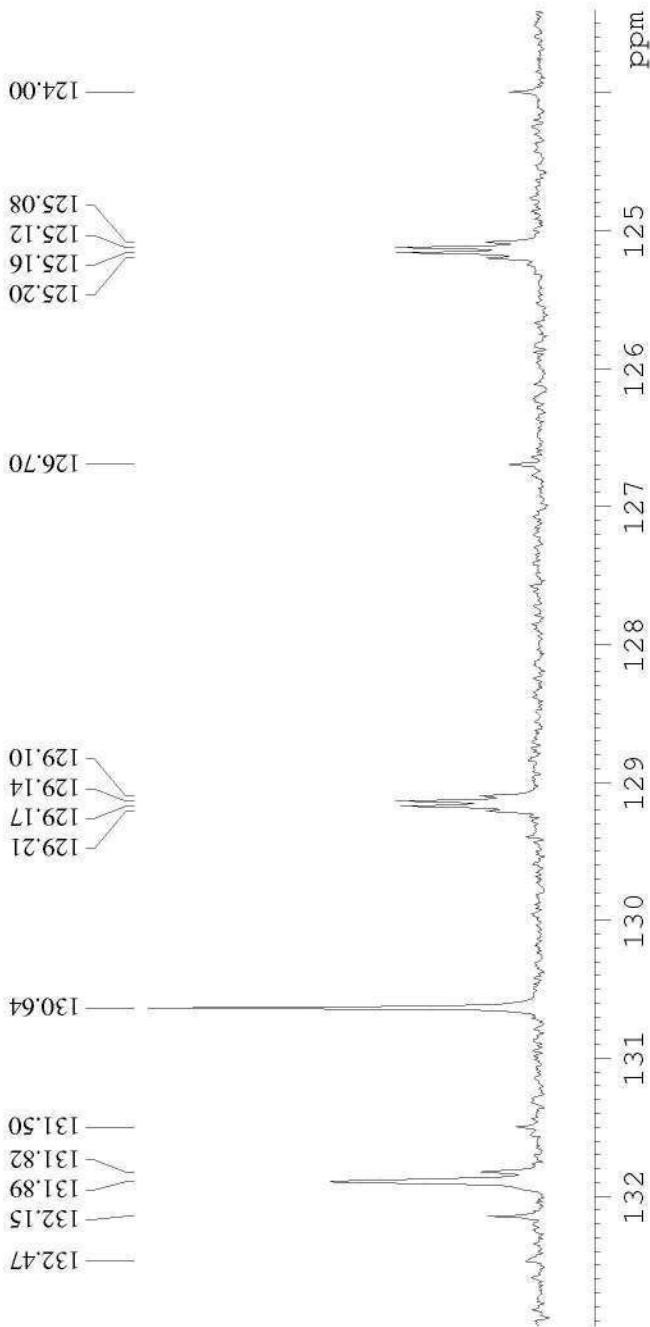


7k

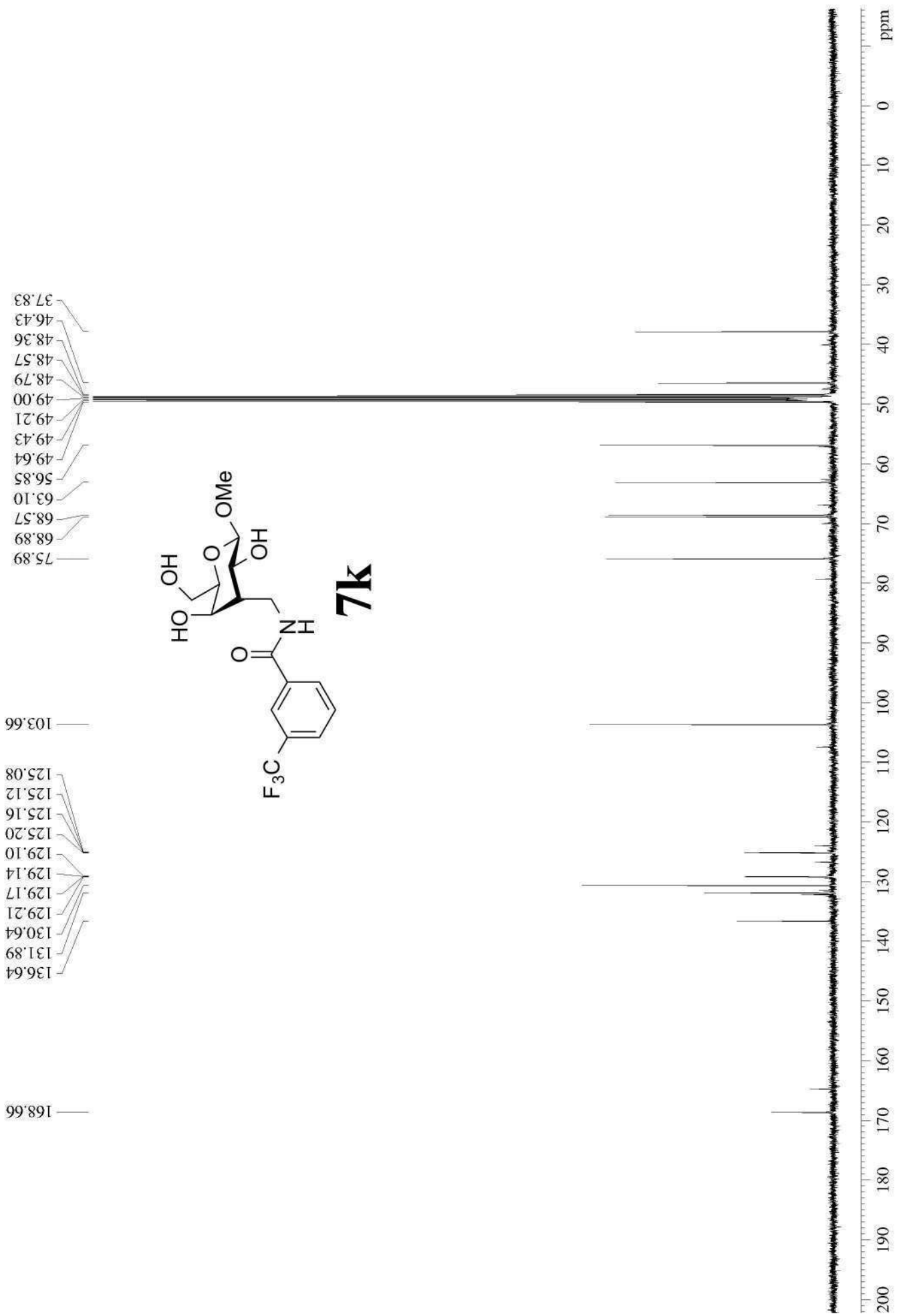
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48.57
48.79
49.00
49.21
49.43
49.64
56.85
63.10
68.57
68.89
75.89

103.66
124.00
125.08
125.12
125.16
125.20
126.70
129.10
129.14
129.17
129.21
130.64
131.50
131.82
131.89
132.15
132.47
136.64

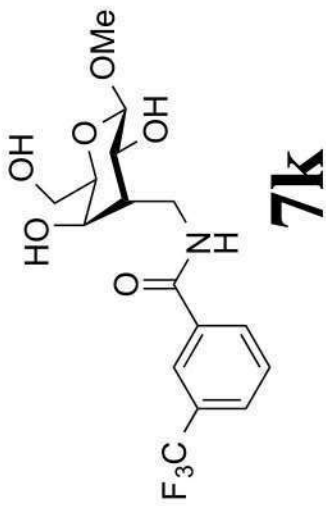
168.66



200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 ppm

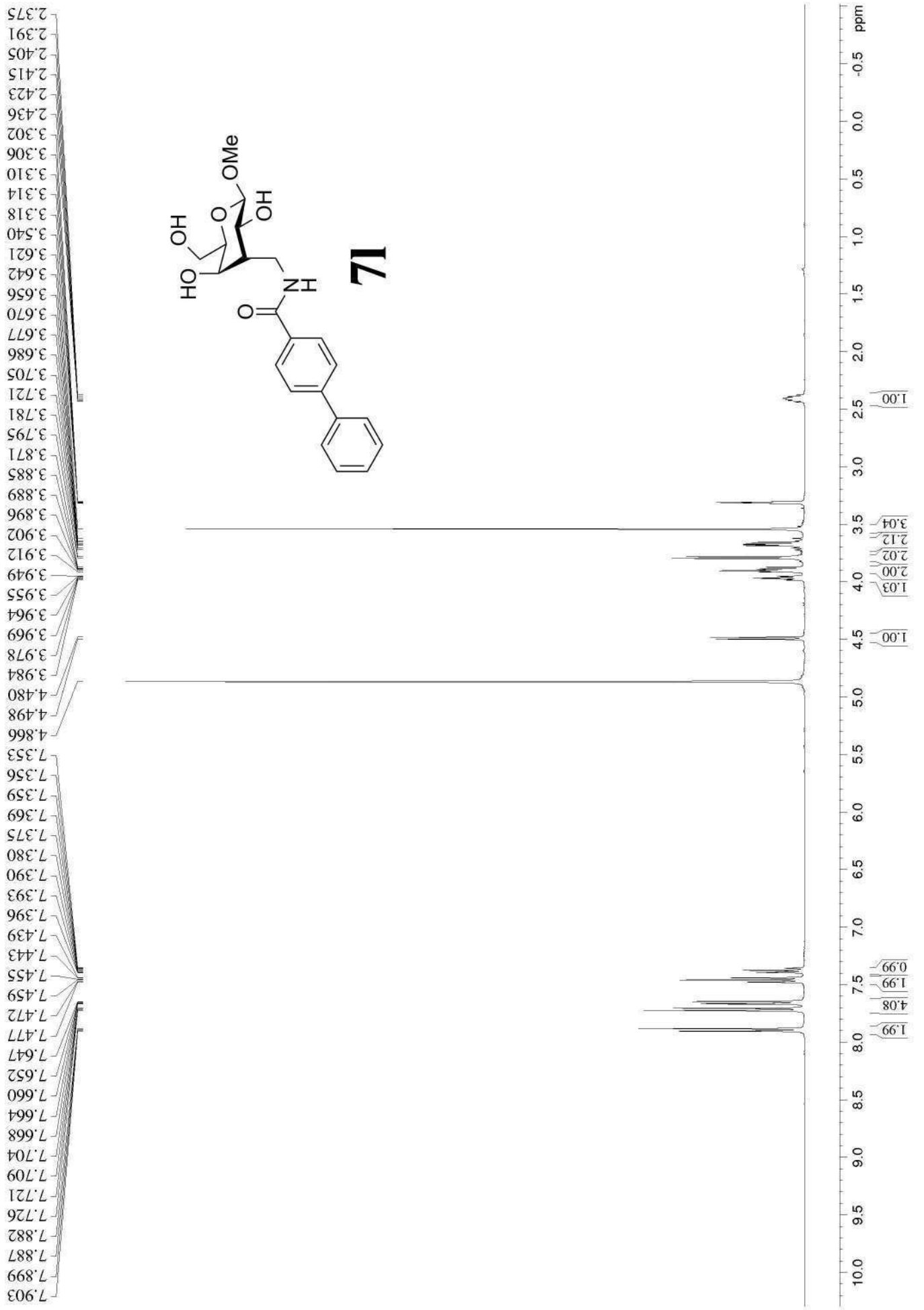


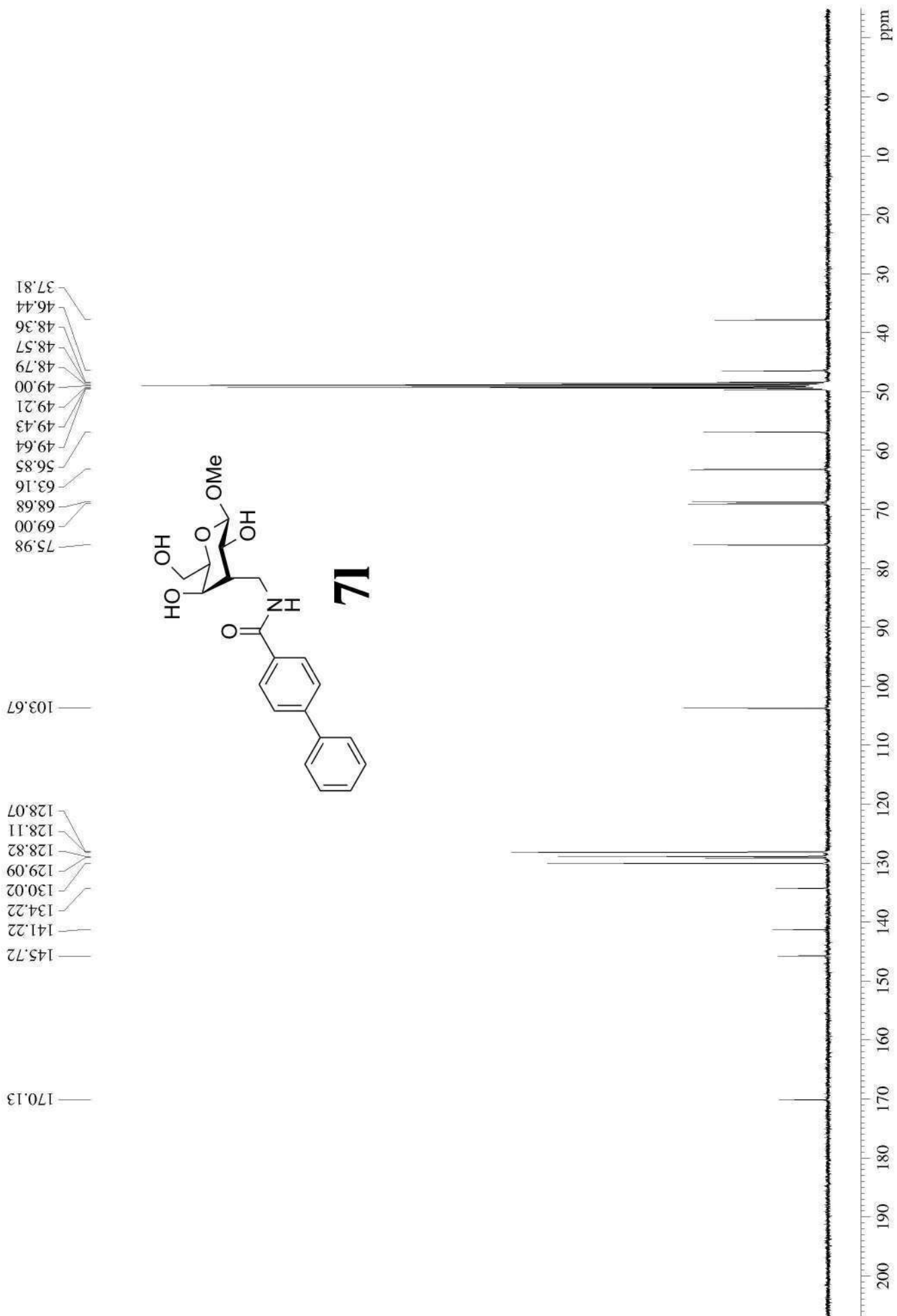
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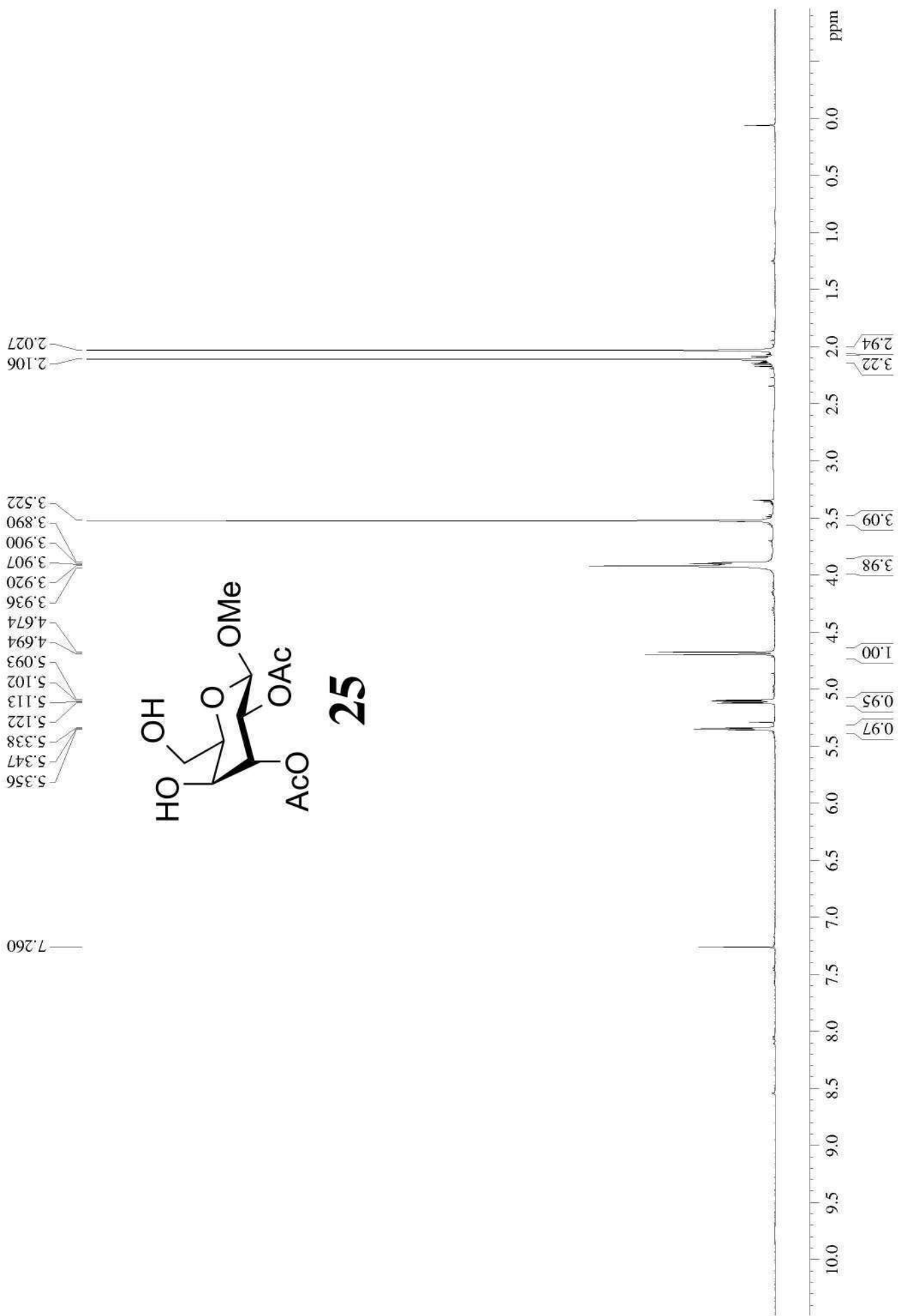


7k







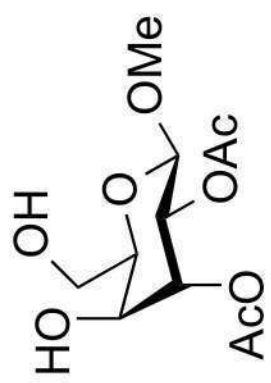


20.98
20.95

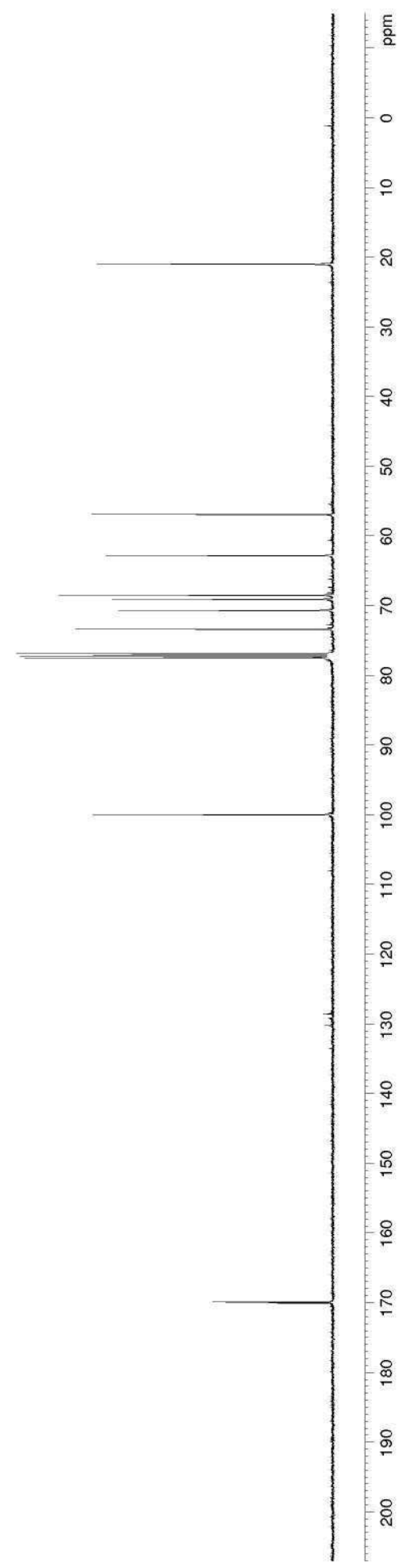
77.48
77.16
76.84
73.33
70.63
69.03
68.44
62.77
56.87

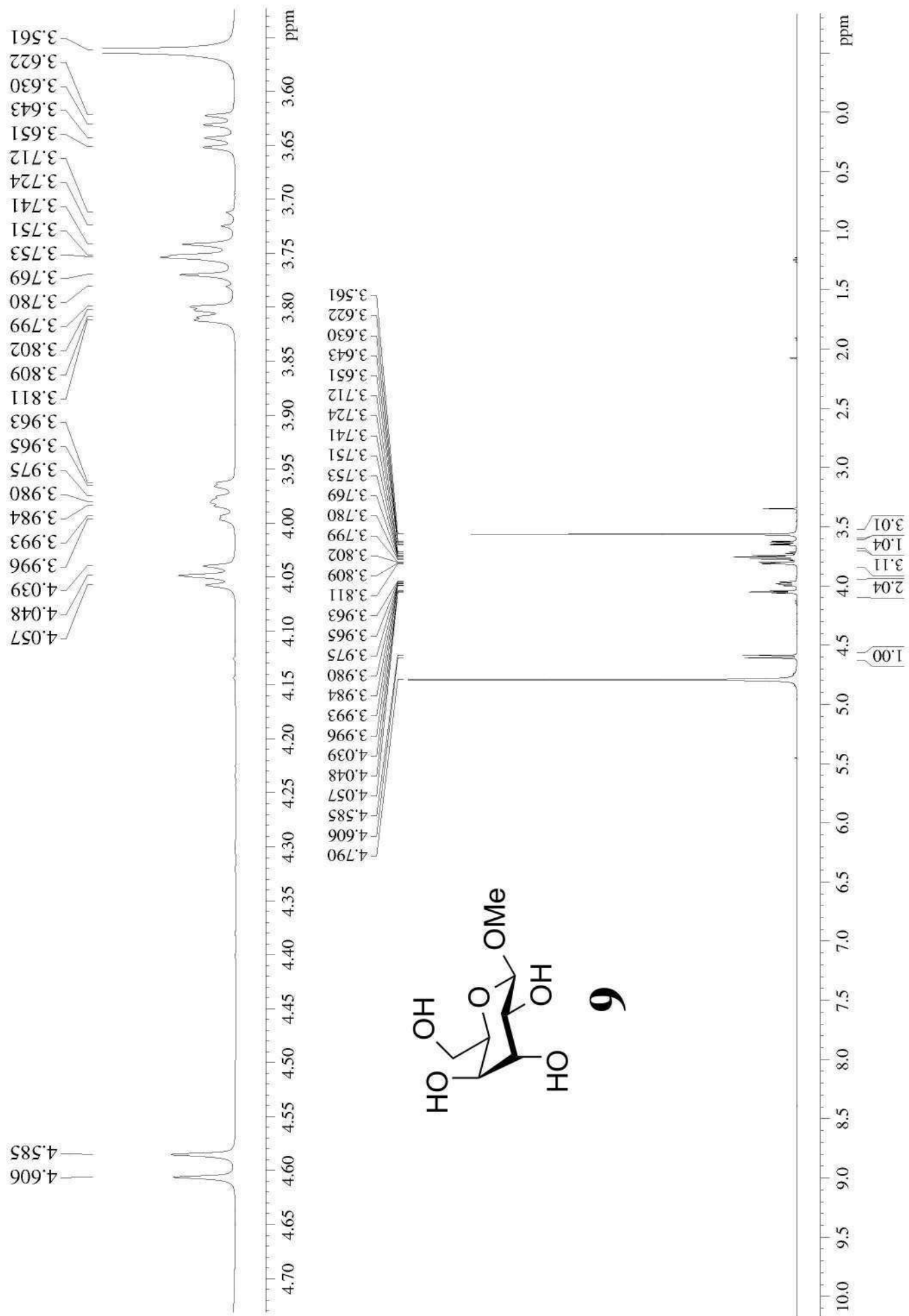
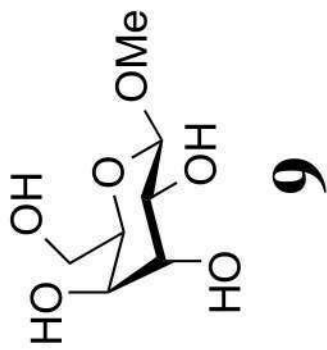
99.94

170.00
169.86



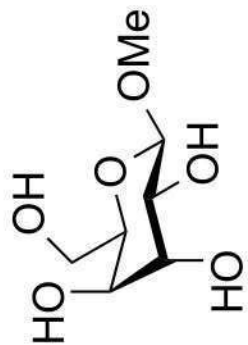
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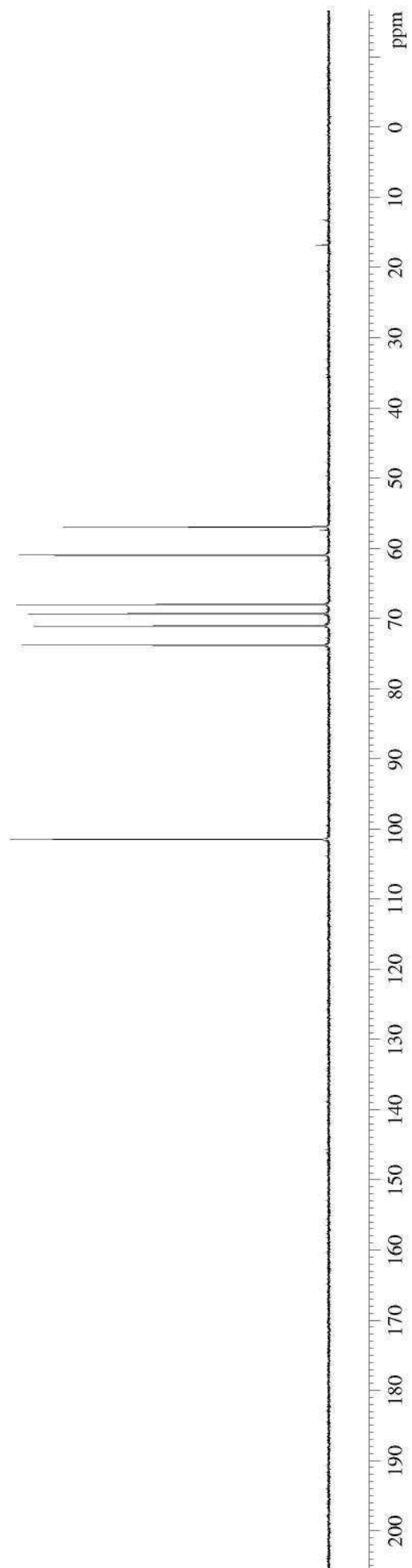


73.775
71.050
69.291
67.989
60.954
56.909

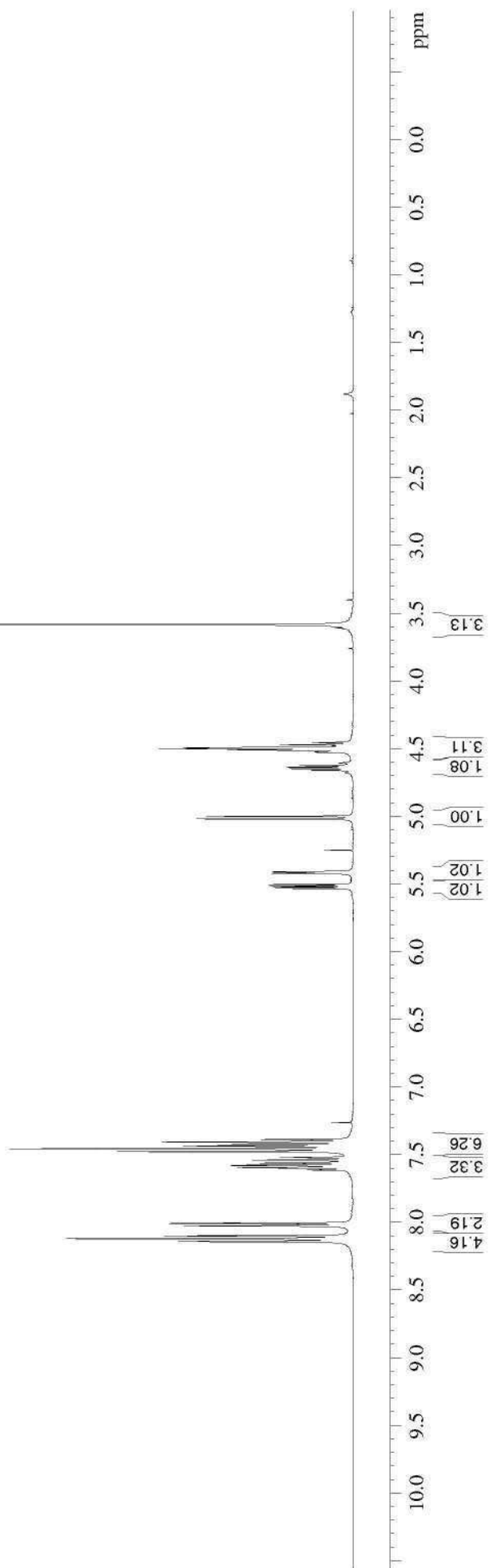
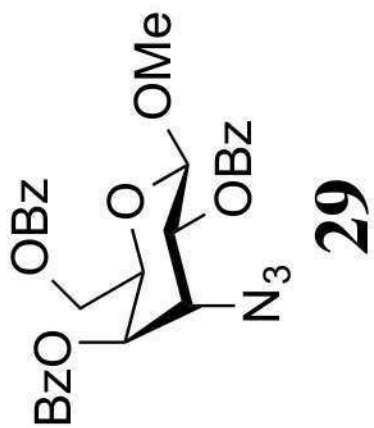
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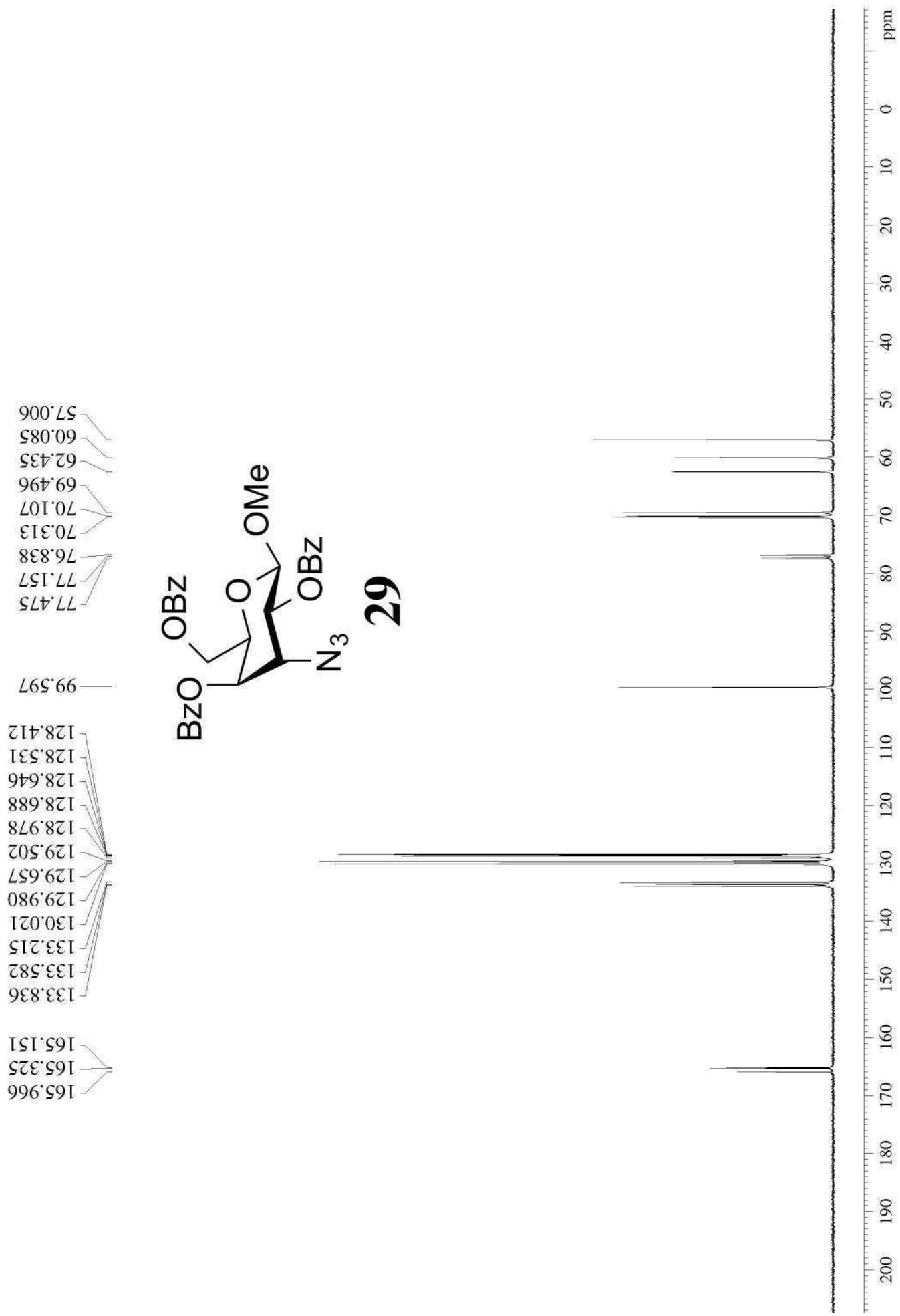


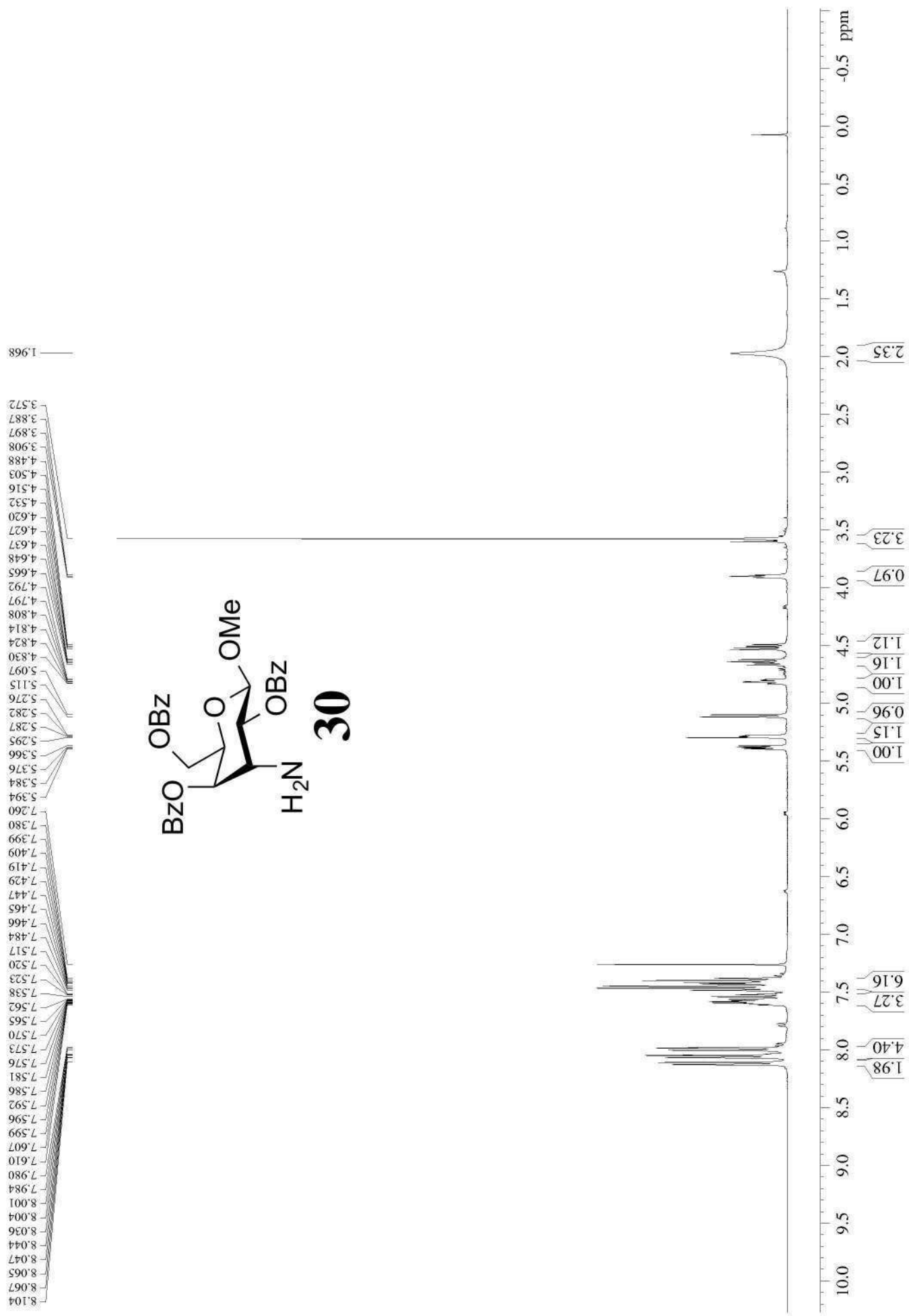
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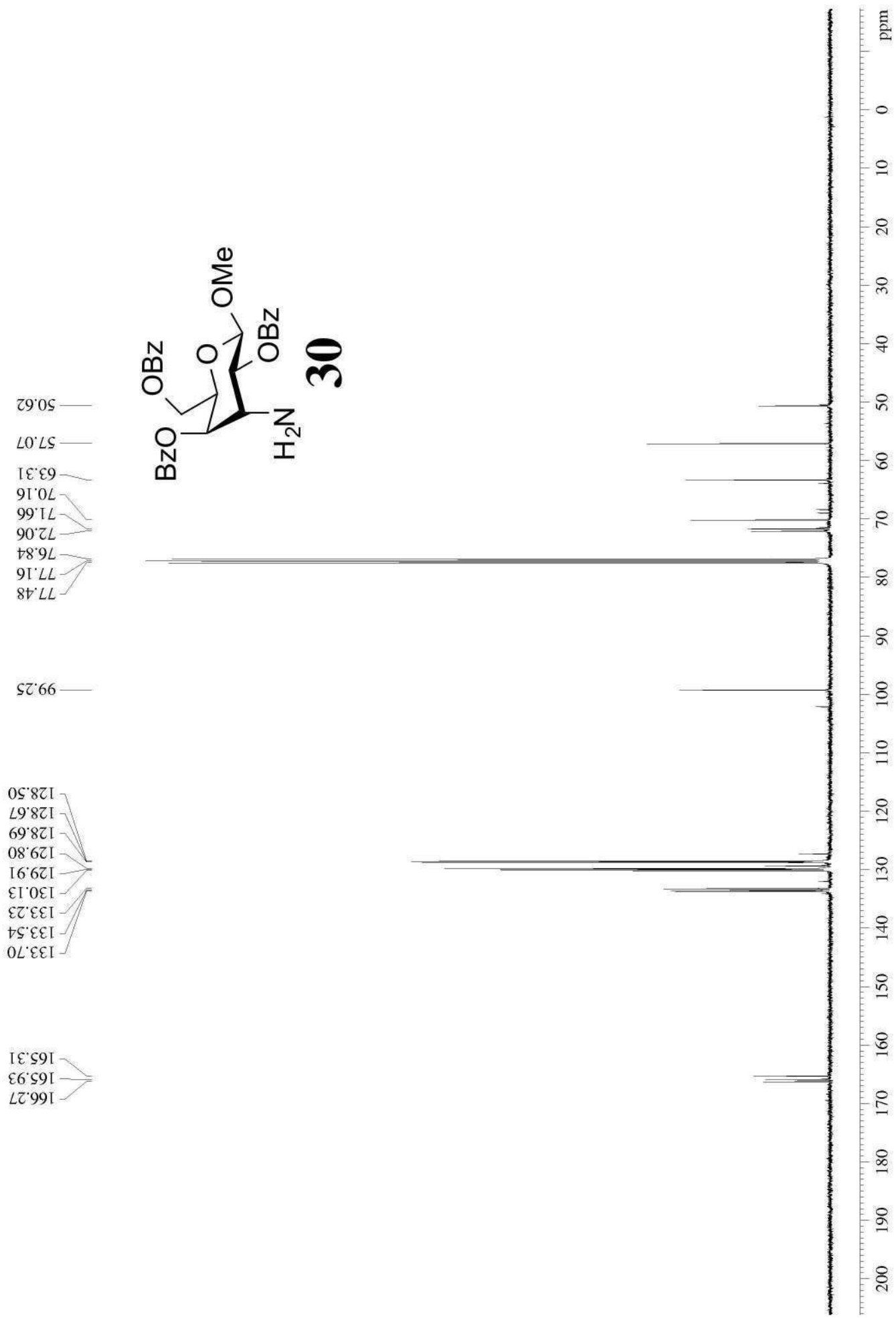


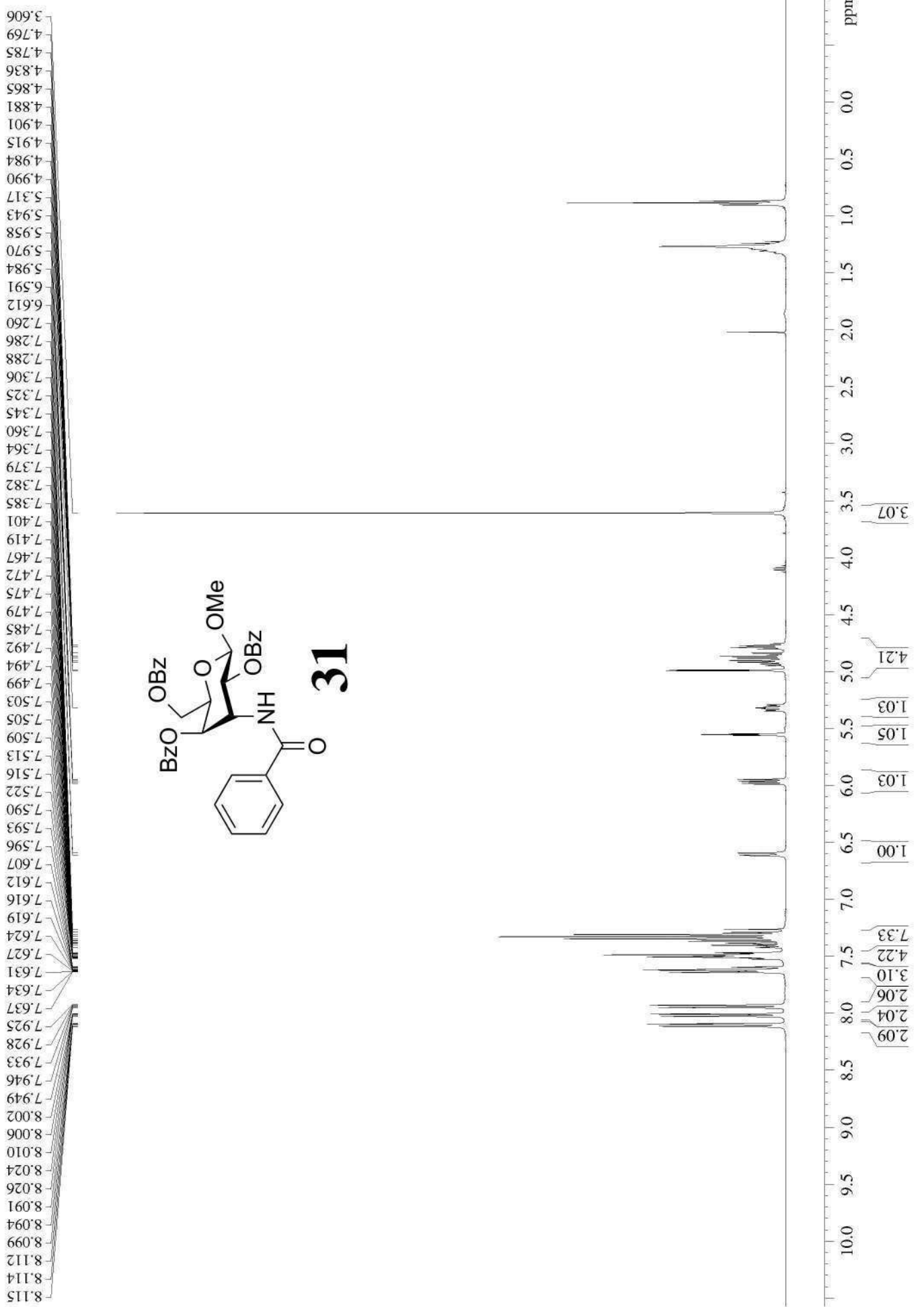
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 8.024
 8.011
 8.006
 8.003
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 7.609
 7.598
 7.593
 7.589
 7.584
 7.579
 7.575
 7.564
 7.560
 7.557
 7.543
 7.539
 7.534
 7.523
 7.520
 7.517
 7.475
 7.455
 7.436
 7.425
 7.405
 7.391
 7.387
 7.260
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 5.521
 5.511
 5.502
 5.420
 5.417
 5.410
 5.407
 5.017
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 4.658
 4.646
 4.635
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 4.525
 4.521
 4.508
 4.498
 4.492
 4.476
 4.468
 4.453
 3.582











14.14
 14.20
 21.04
 22.71
 29.03
 31.89
 46.35
 56.84
 60.40
 64.46
 68.42
 71.83
 72.37
 76.78
 77.09
 77.30
 77.41
 99.45
 126.95
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 129.86
 130.00
 131.73
 133.03
 133.71
 133.78
 133.85
 165.48
 166.20
 166.84
 167.42

