Cobalt-Catalyzed Diastereoselective Synthesis of *C*-Furanosides Total synthesis of the (–)-isoaltholactone

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Supporting information – NMR Data

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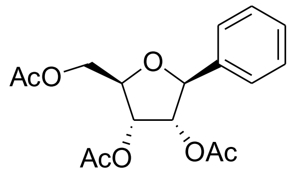
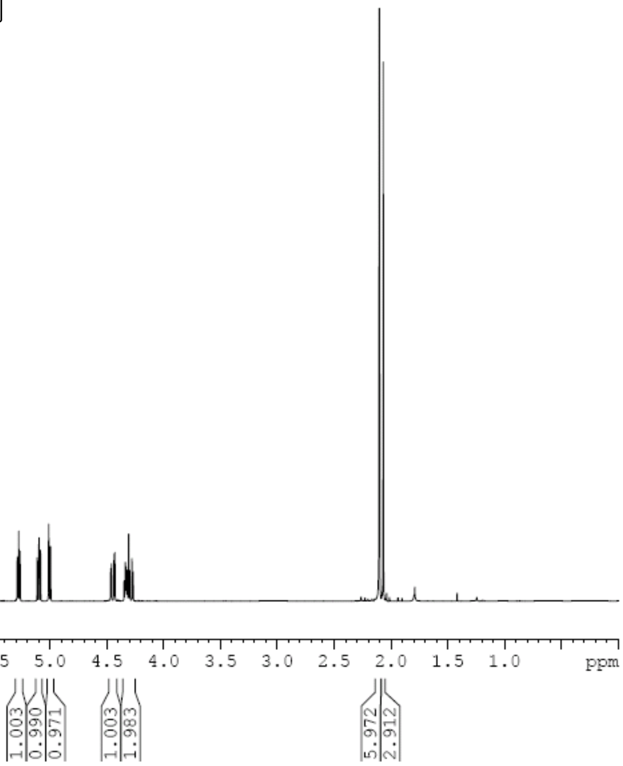
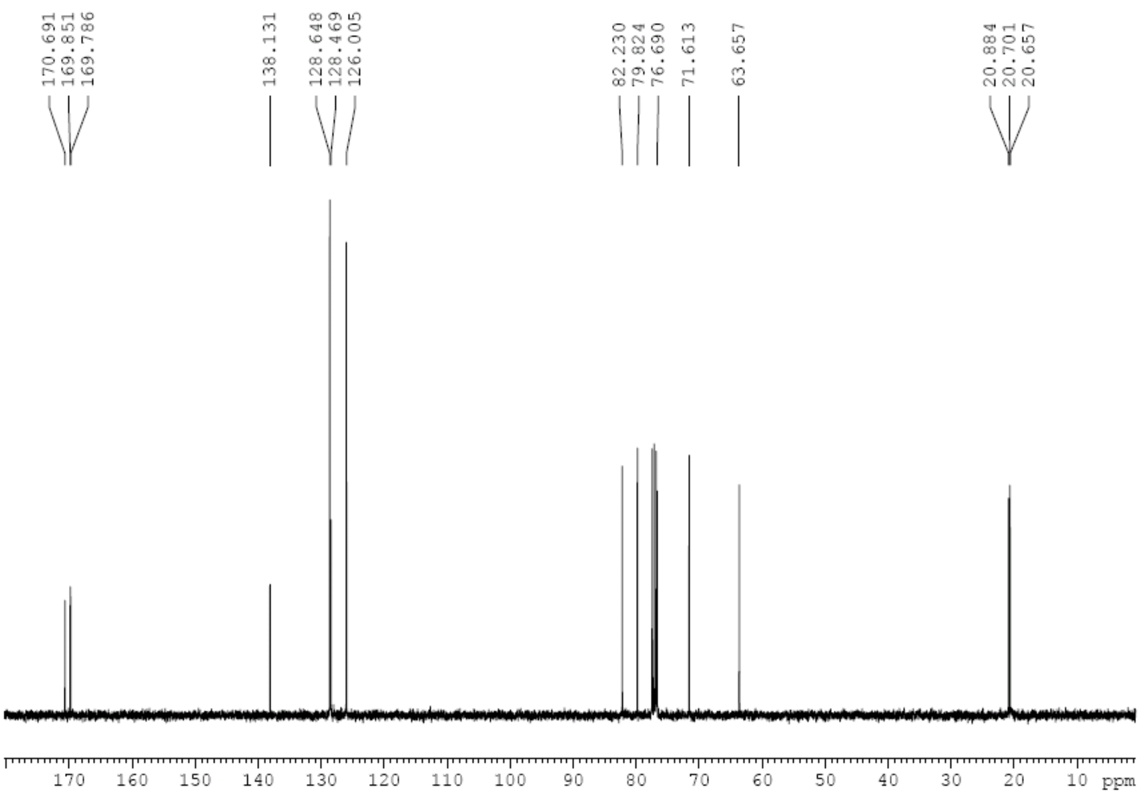
Table 1, entry 1







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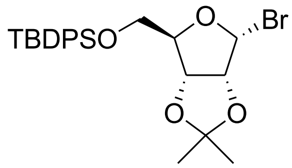

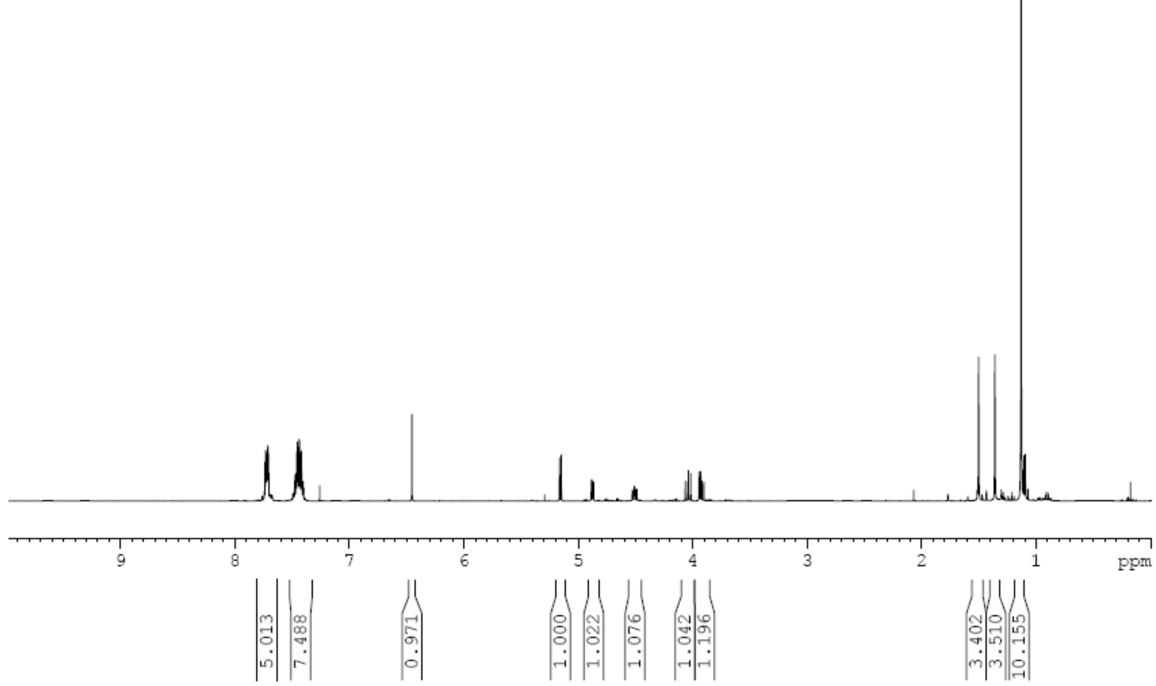

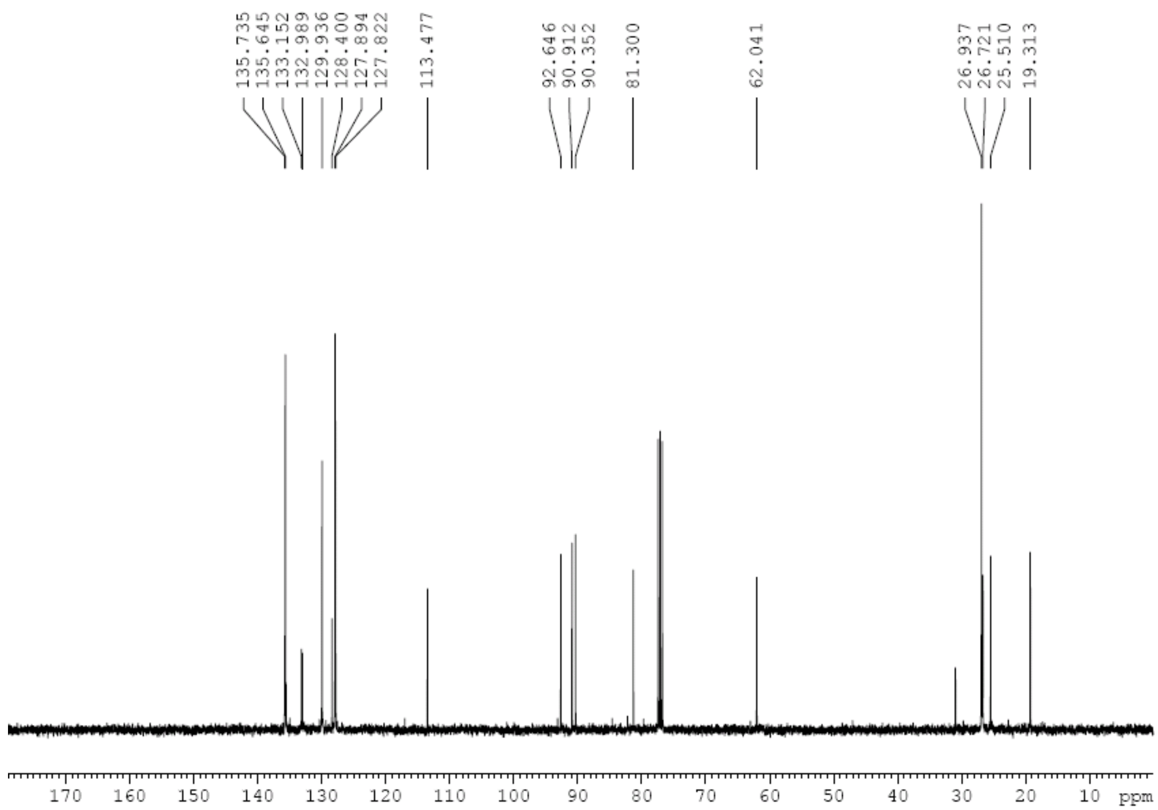

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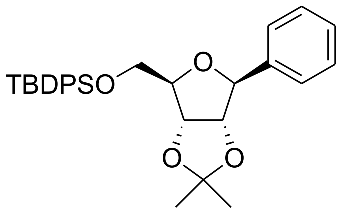

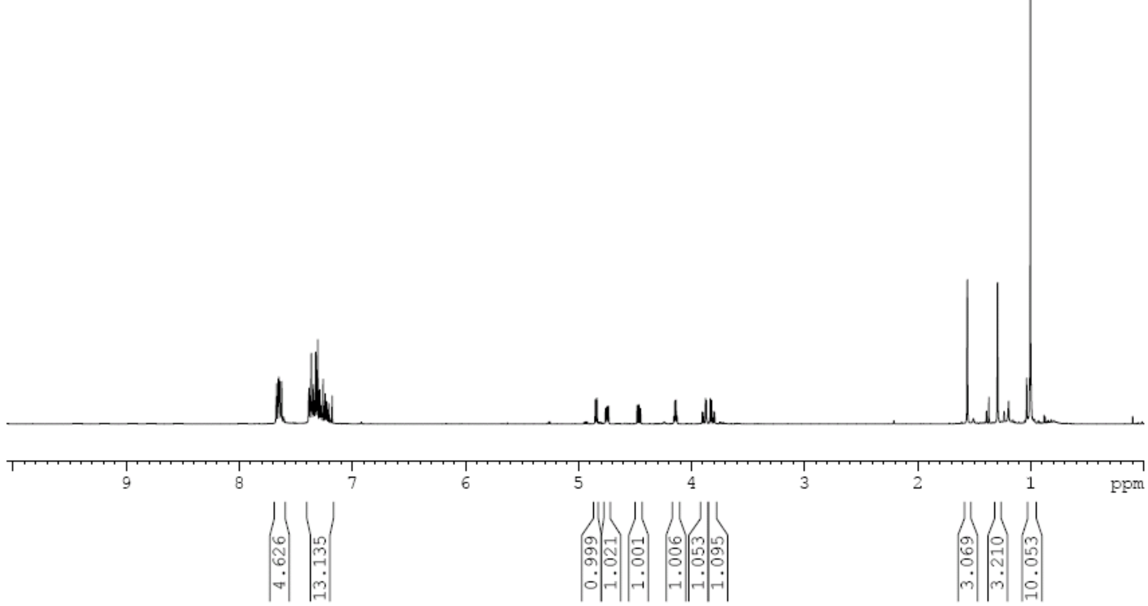

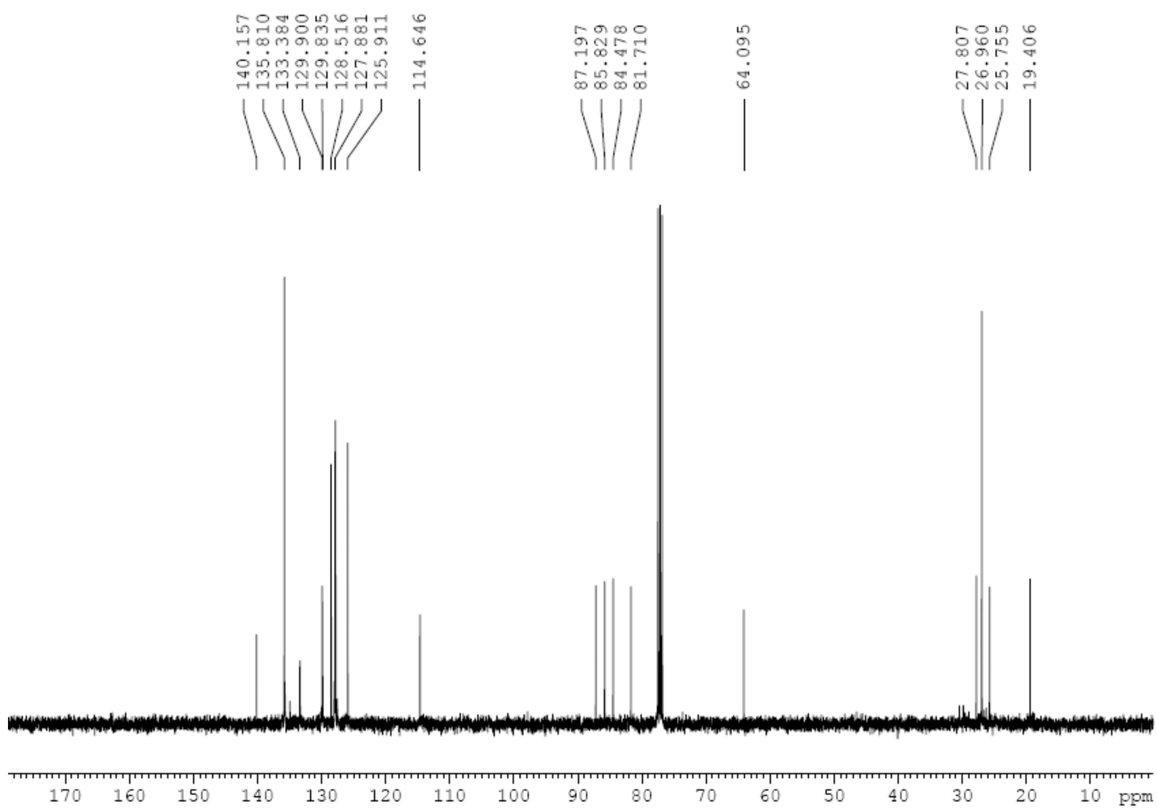

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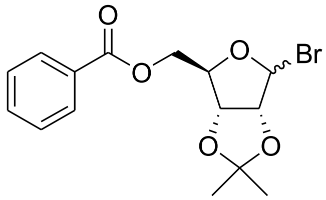
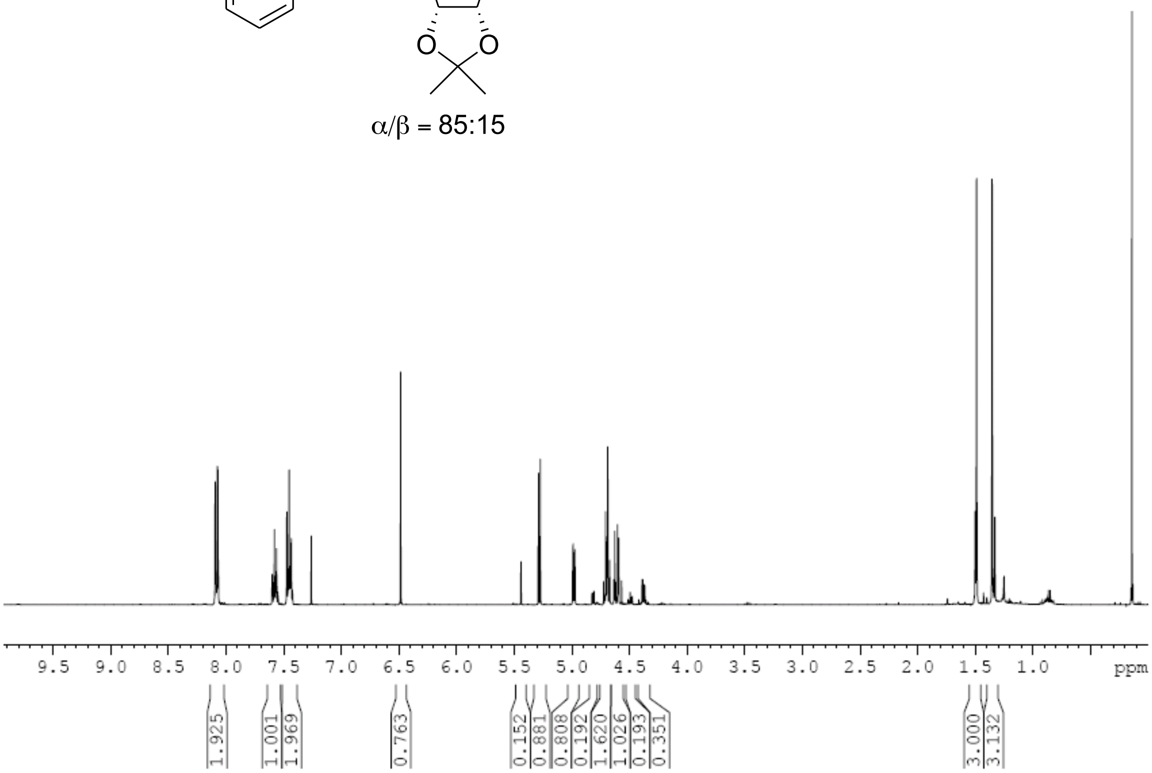
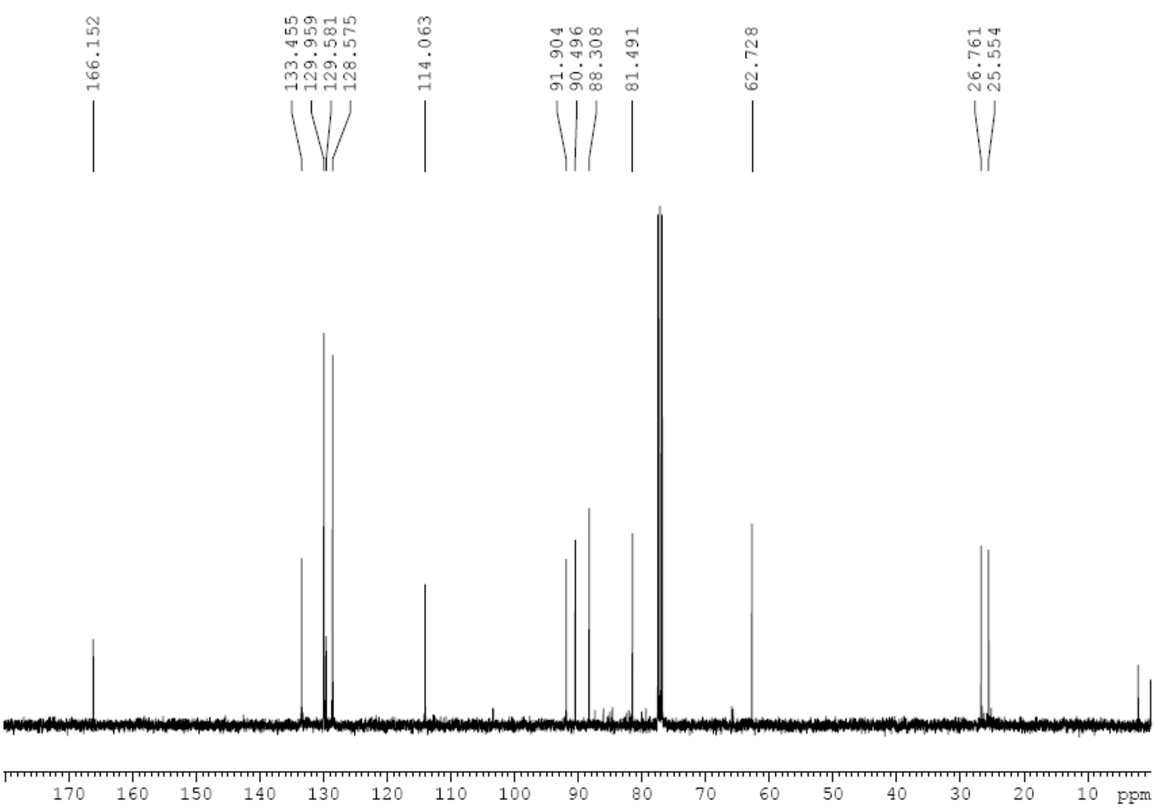


α/β = 85:15





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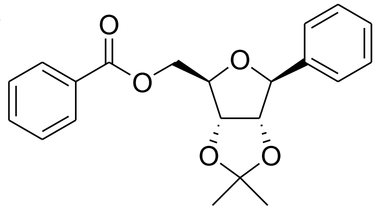

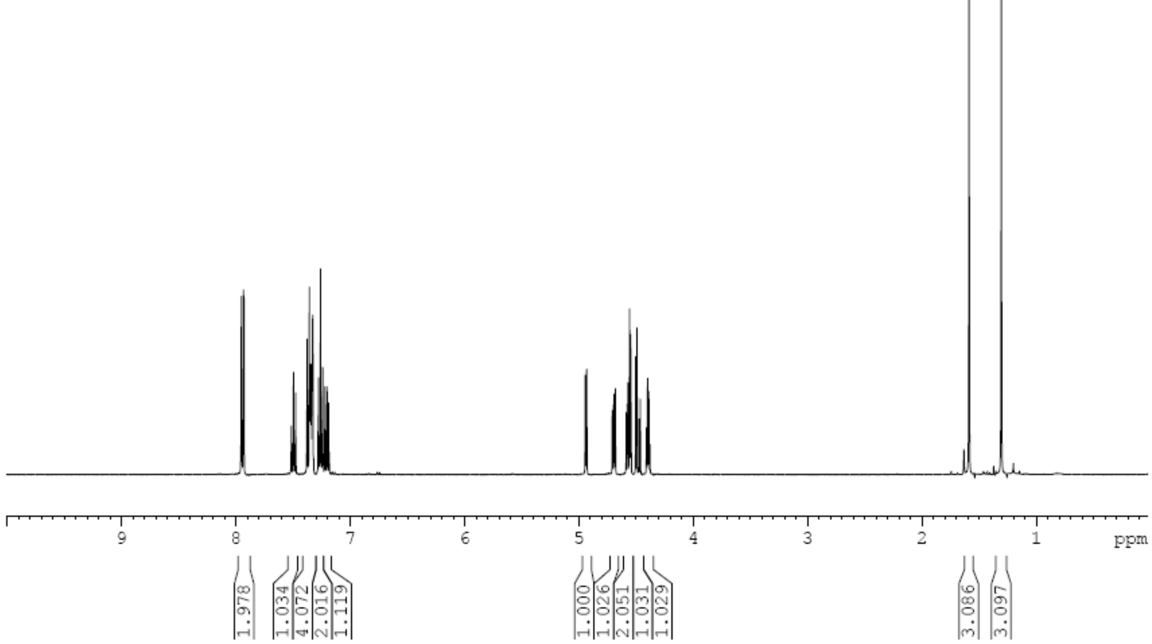

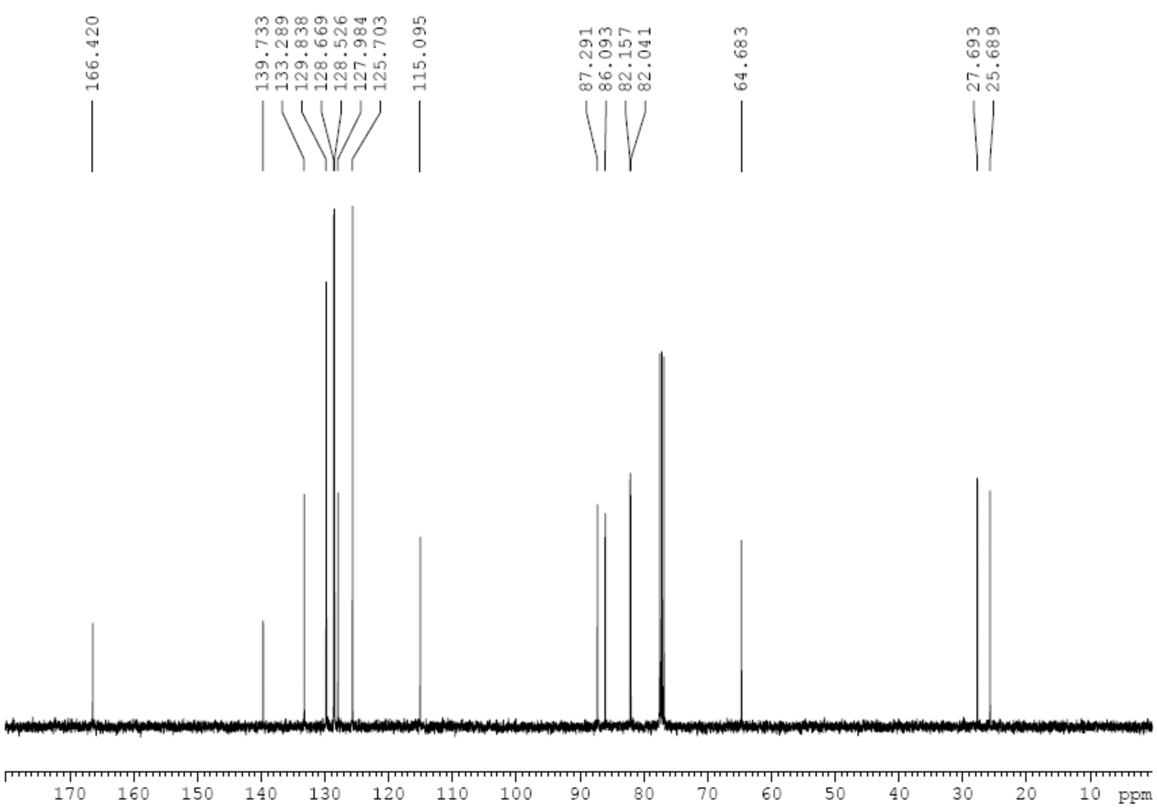

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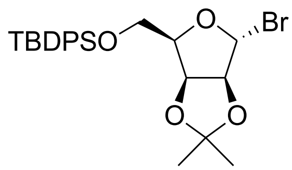
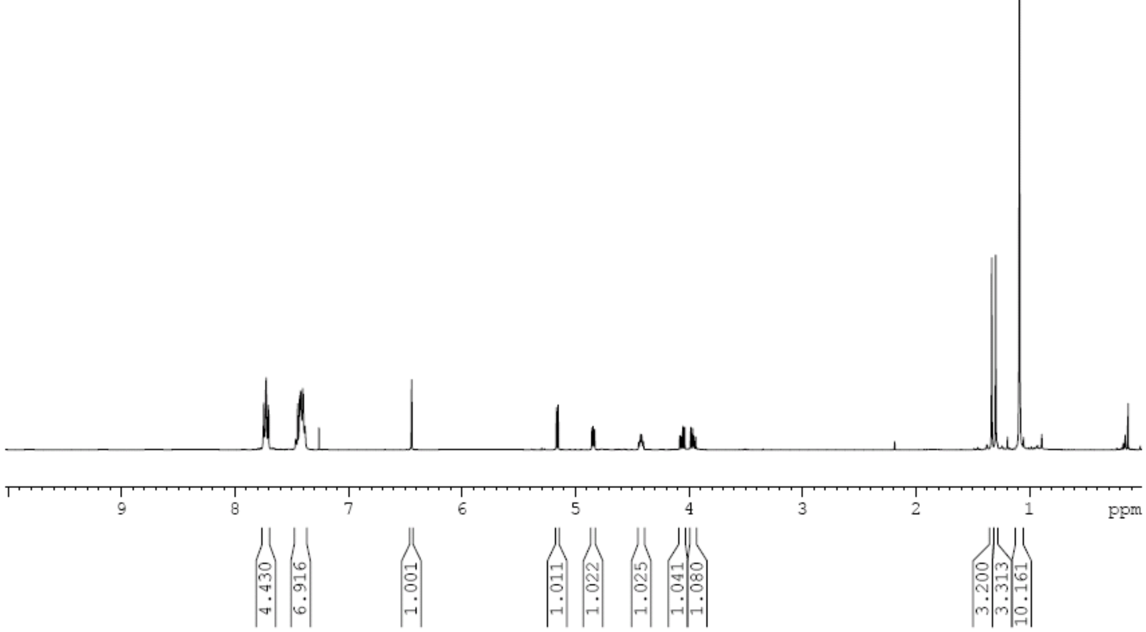


TBDPSO
O
Br
O
O



9
8
7
6
5
4
3
2
1
ppm
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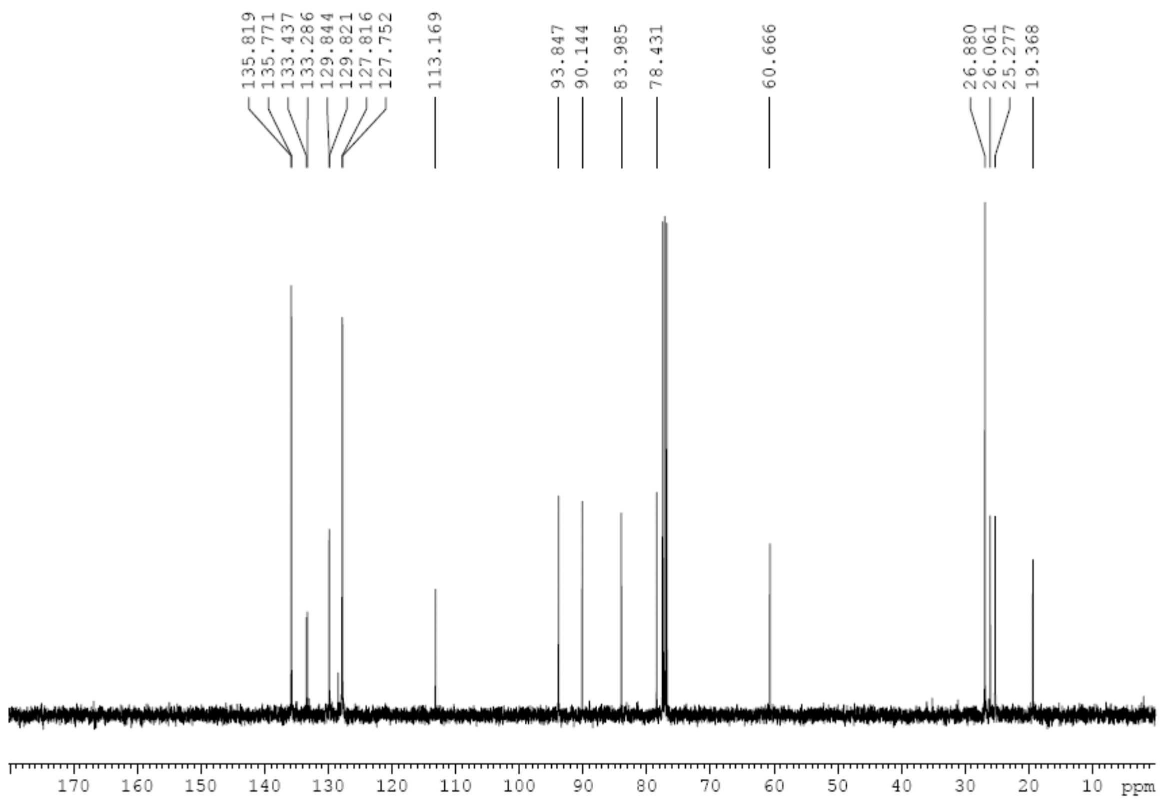
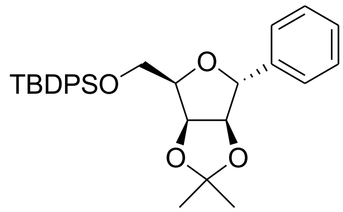
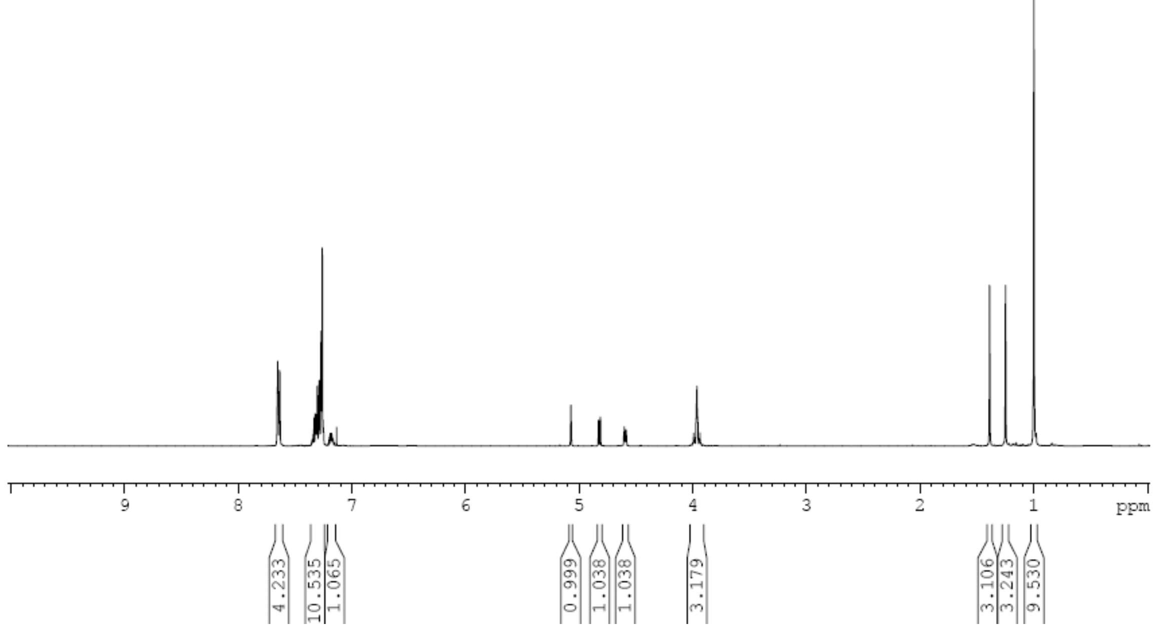
6.916
1.001
1.011
1.022
1.025
1.041
1.080
3.200
3.313
10.161

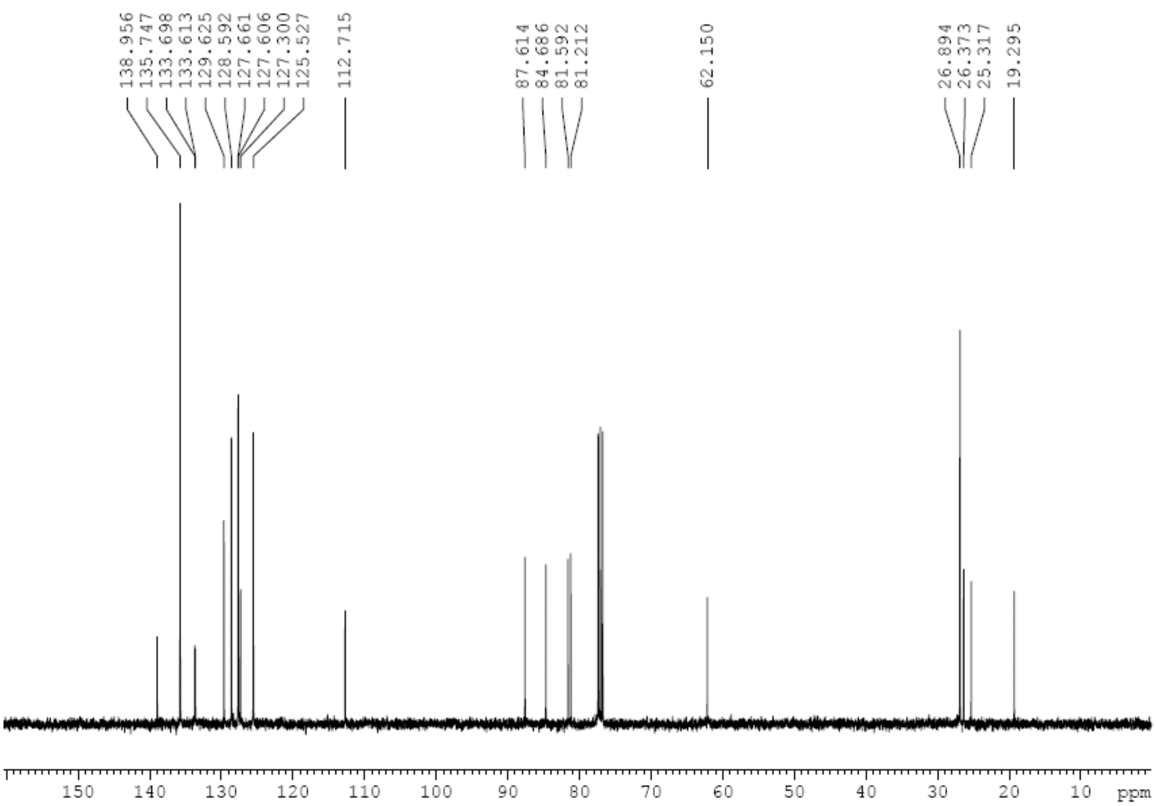


135.819
135.771
133.437
133.286
129.844
129.821
127.816
127.752
113.169
93.847
90.144
83.985
78.431
60.666
26.880
26.061
25.277
19.368
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
ppm

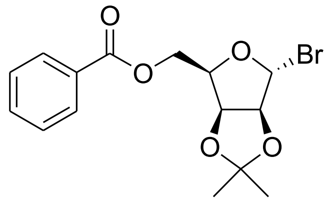
Table 1, entry 4



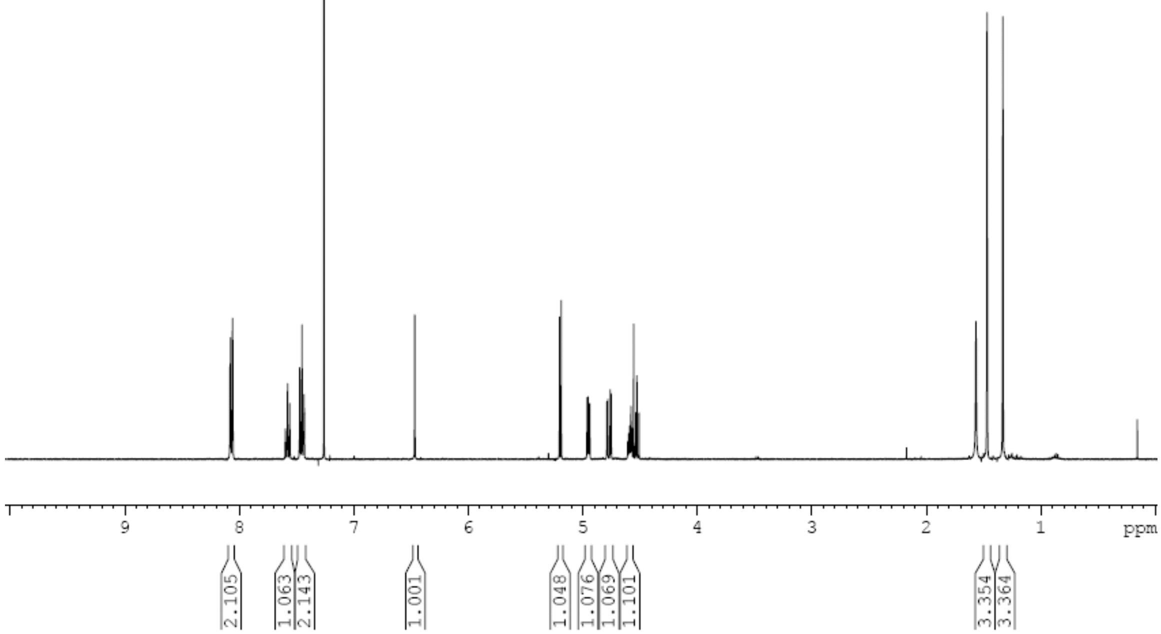




Compound 5



O
O
O
Br
O
O



9 8 7 6 5 4 3 2 1 ppm
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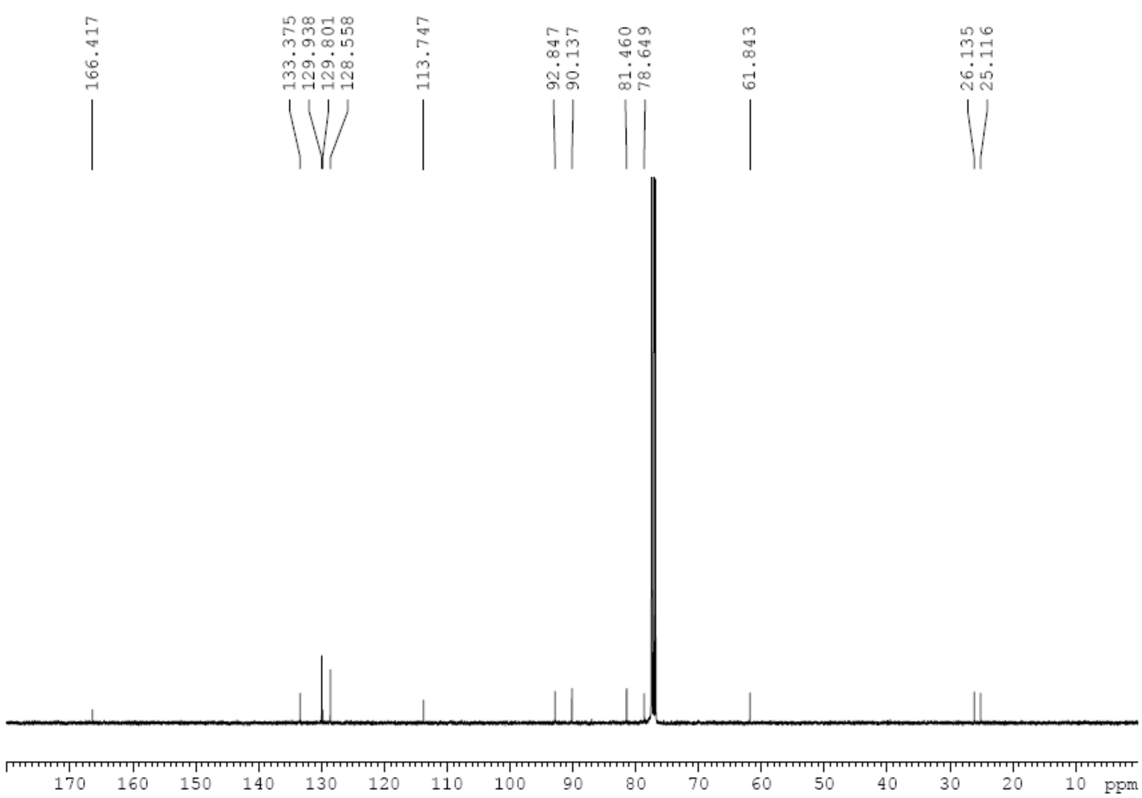
1.001
1.048
1.076
1.069
1.101
3.354
3.364



166.417
133.375
129.938
129.801
128.558
113.747
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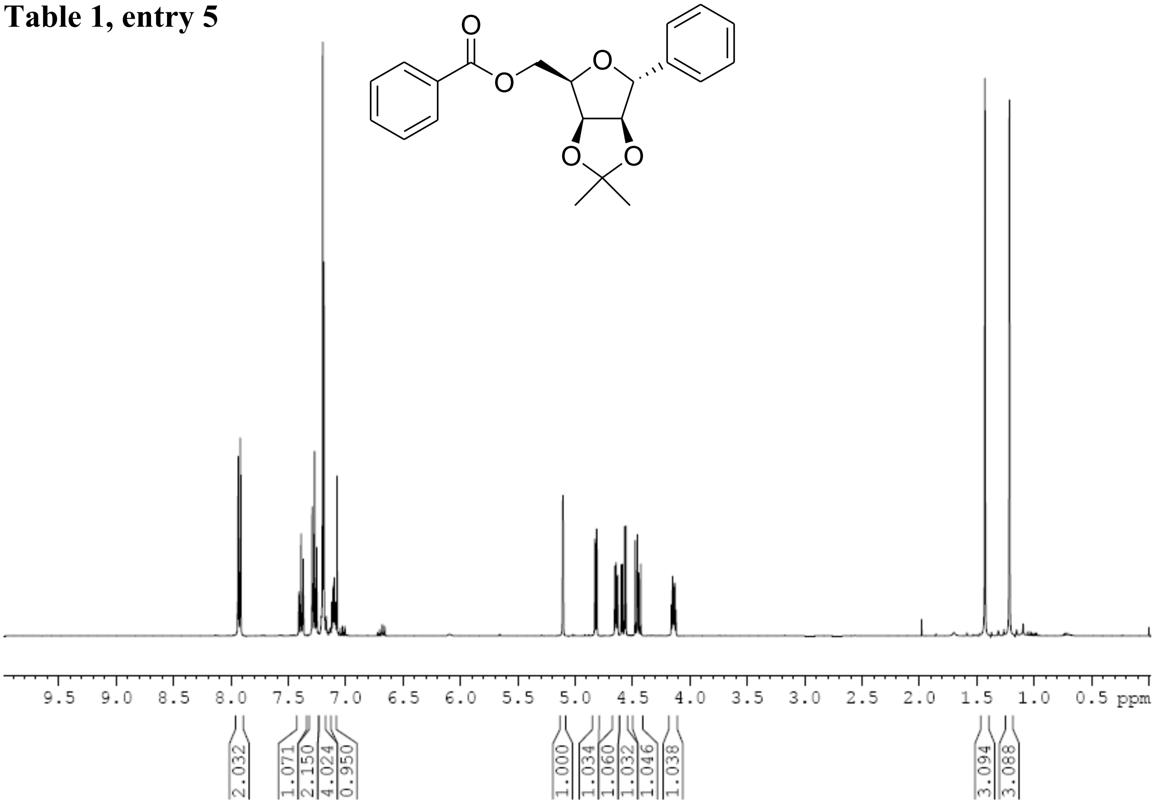
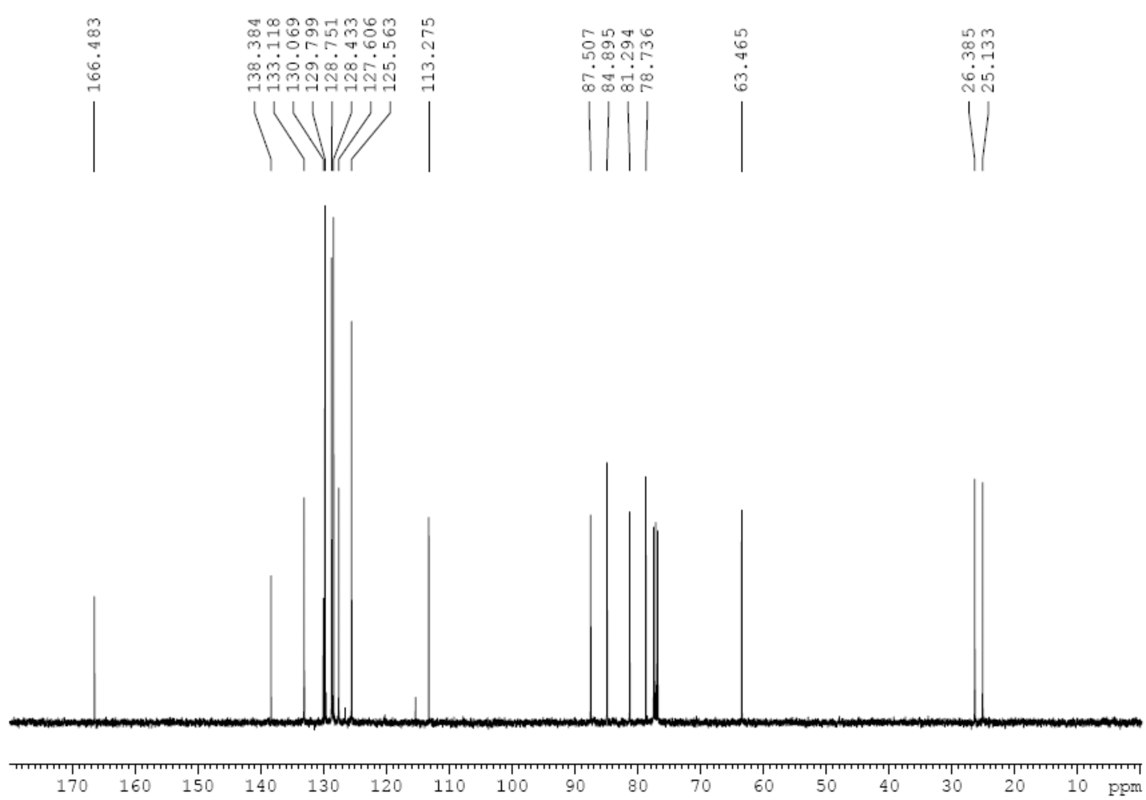
78.649
61.843
26.135
25.116
170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ppm

Table 1, entry 5





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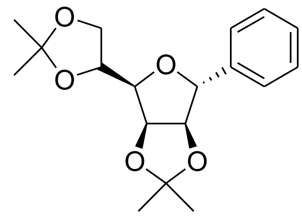

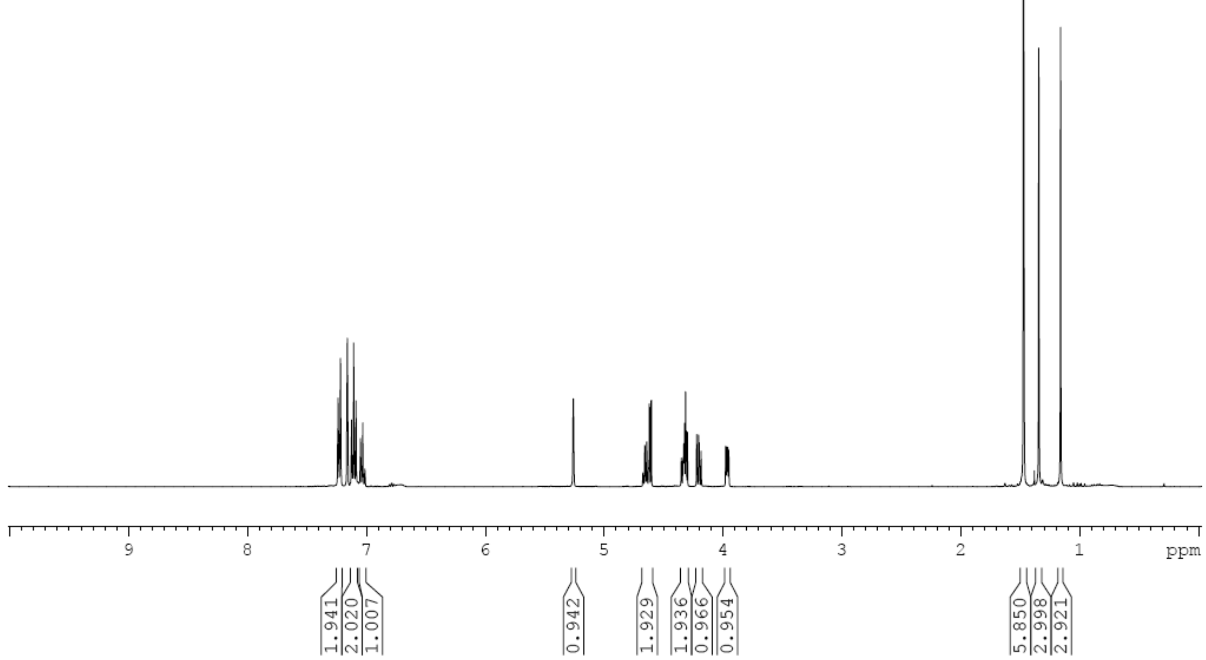

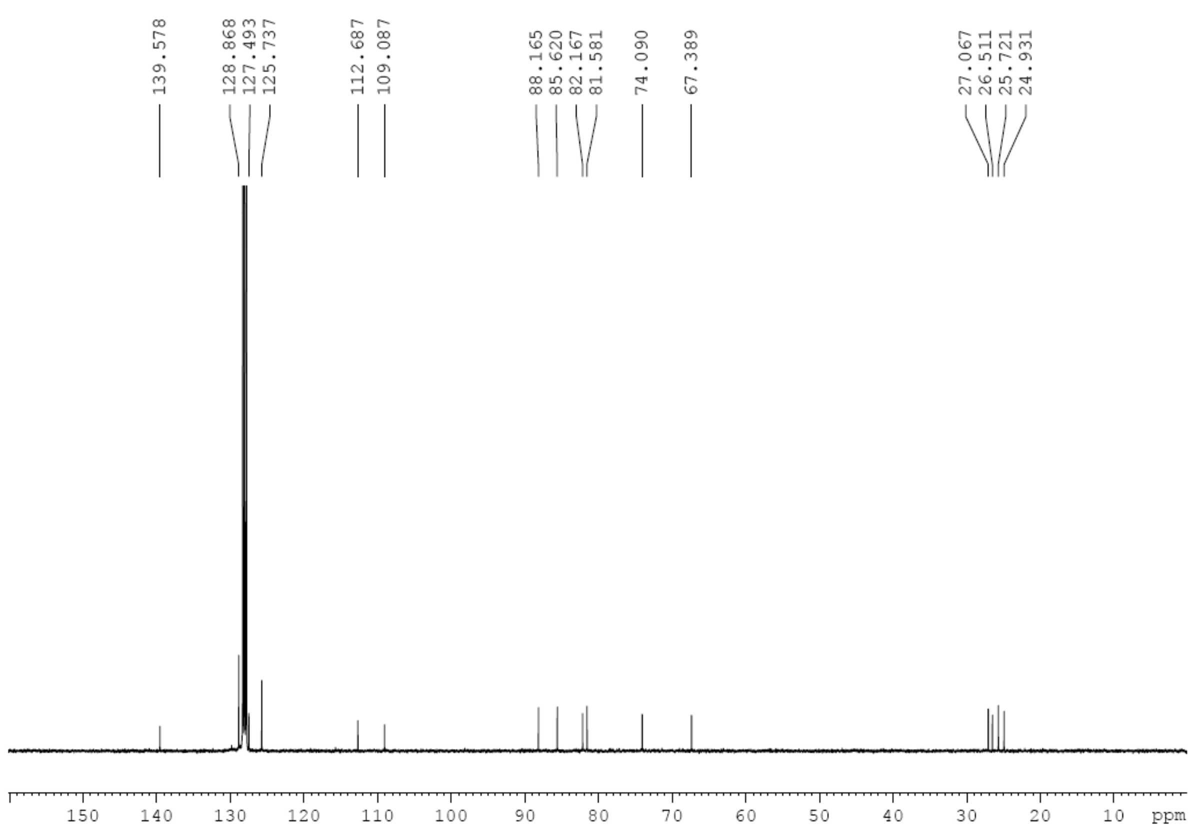

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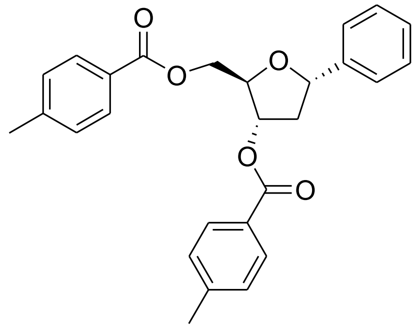

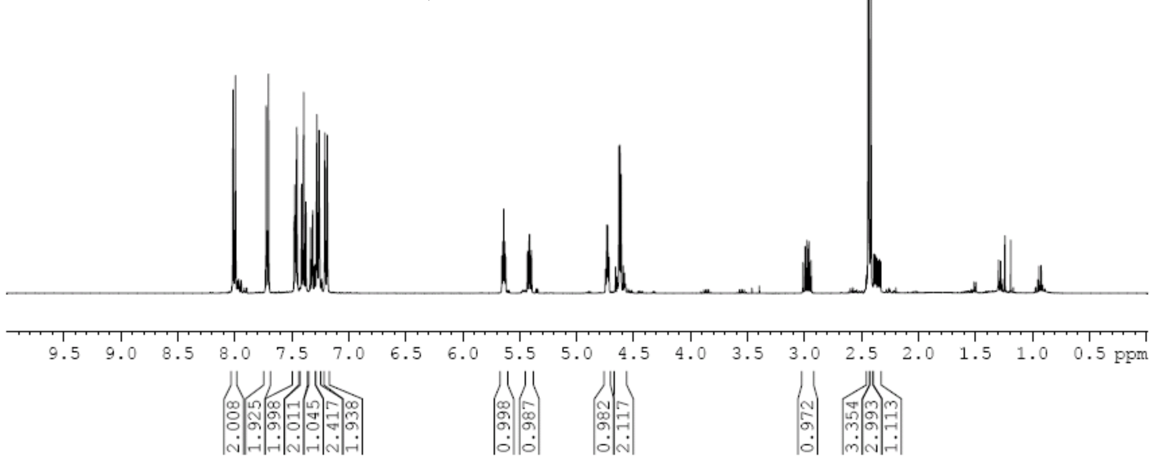

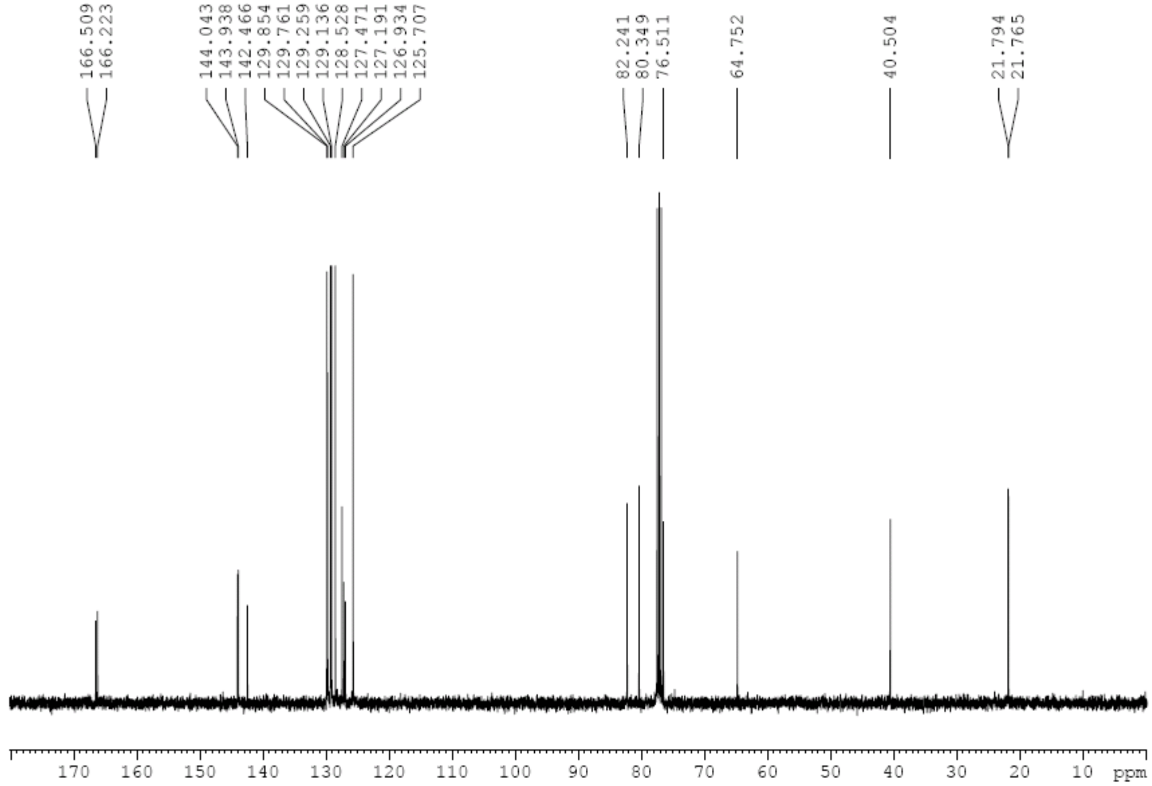

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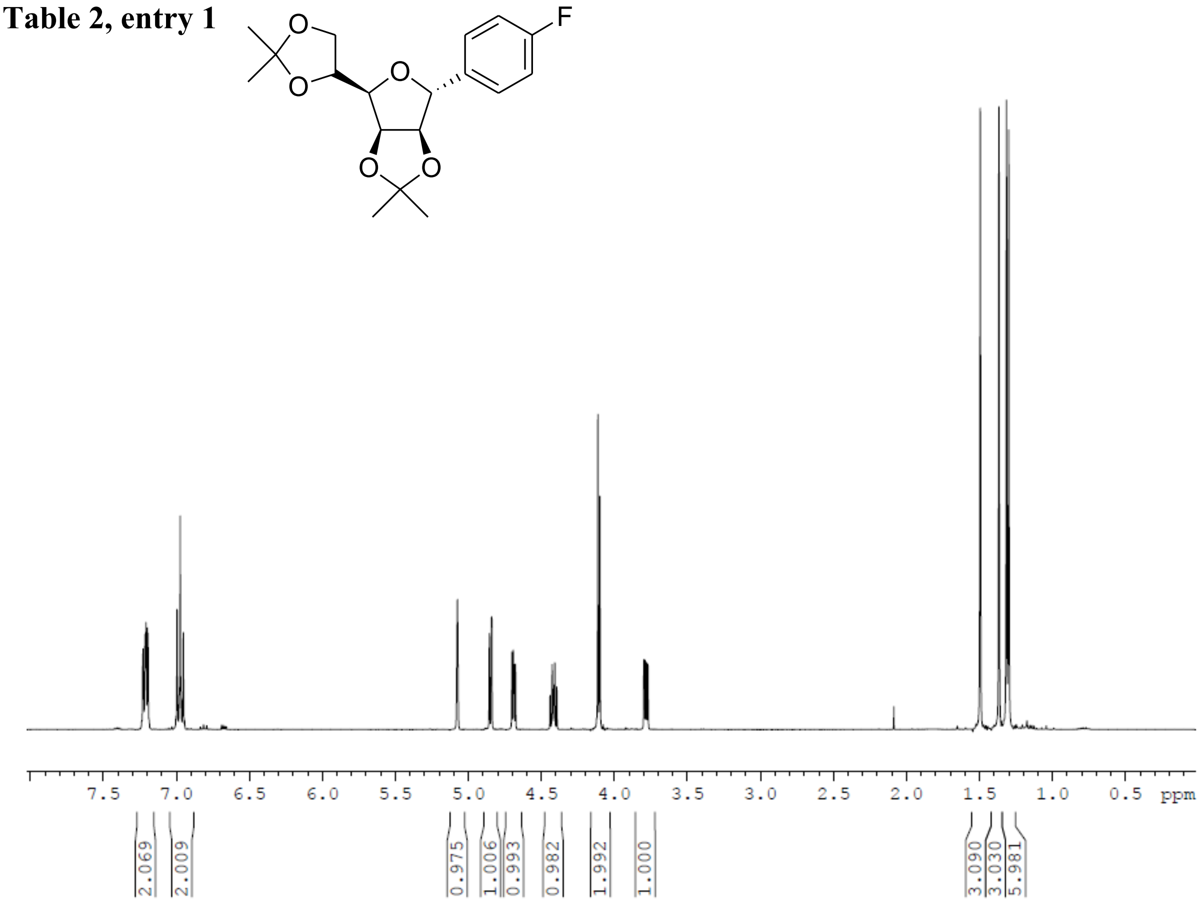

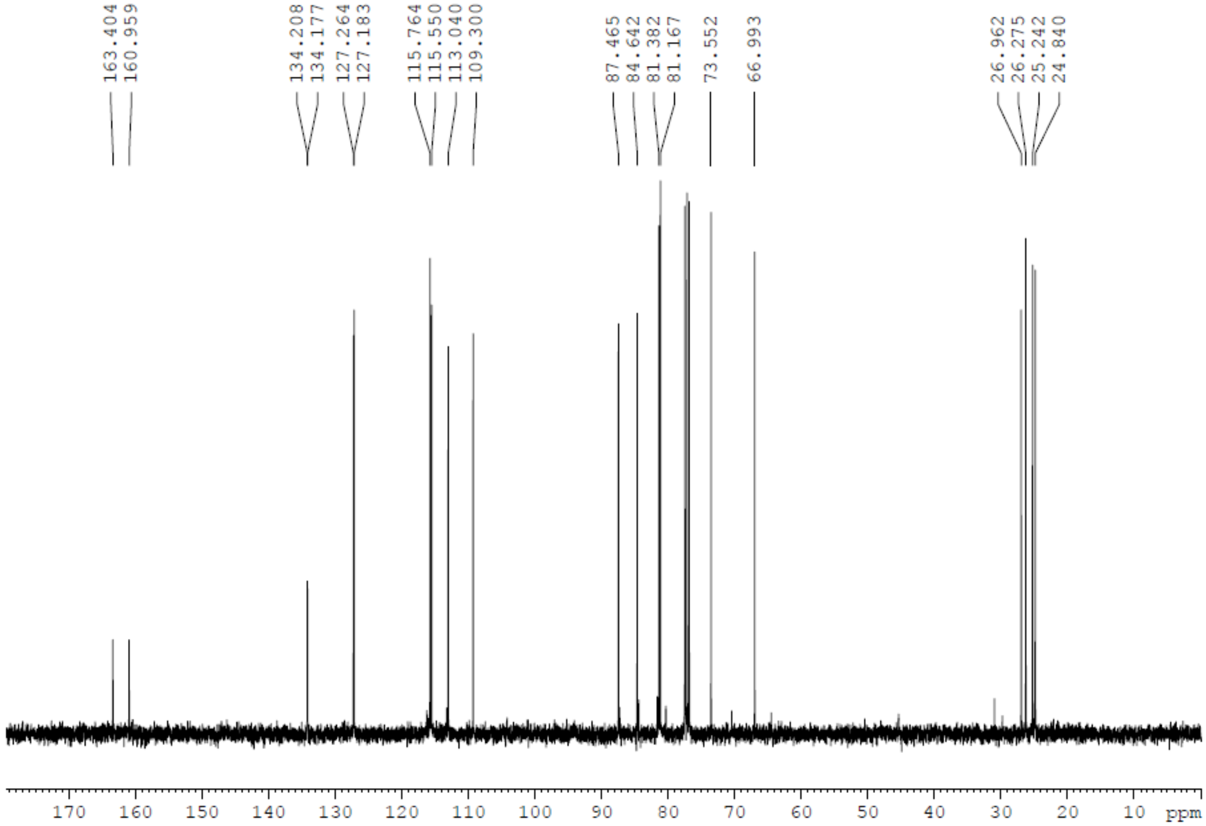

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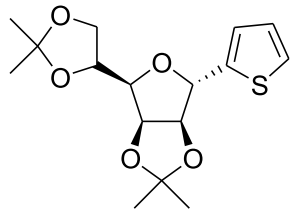

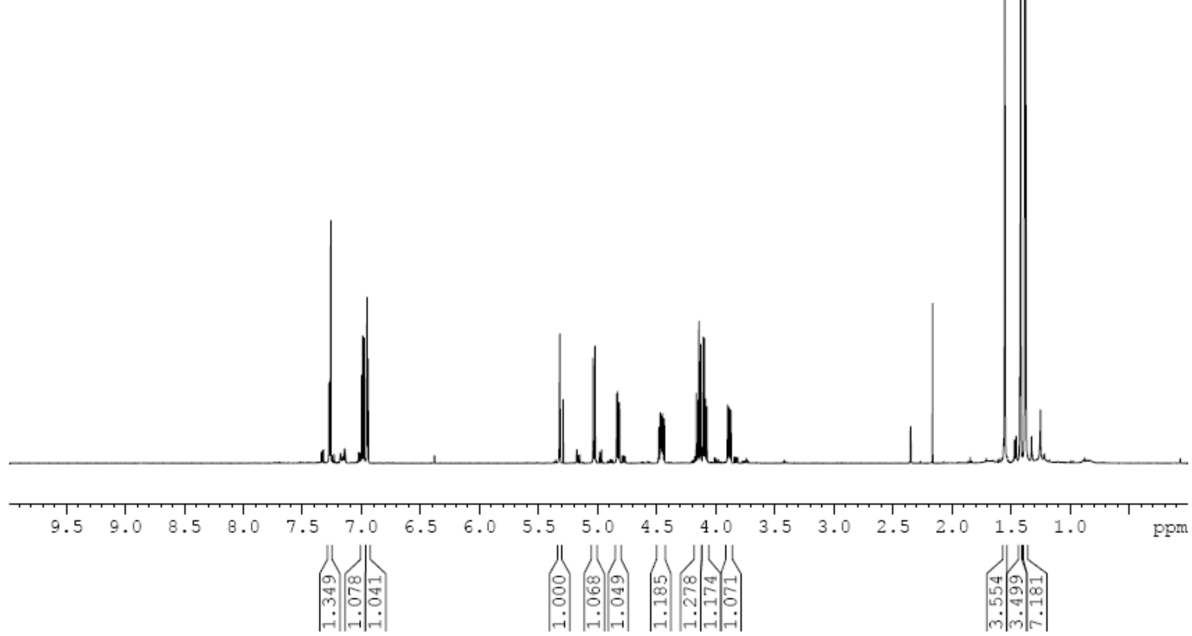

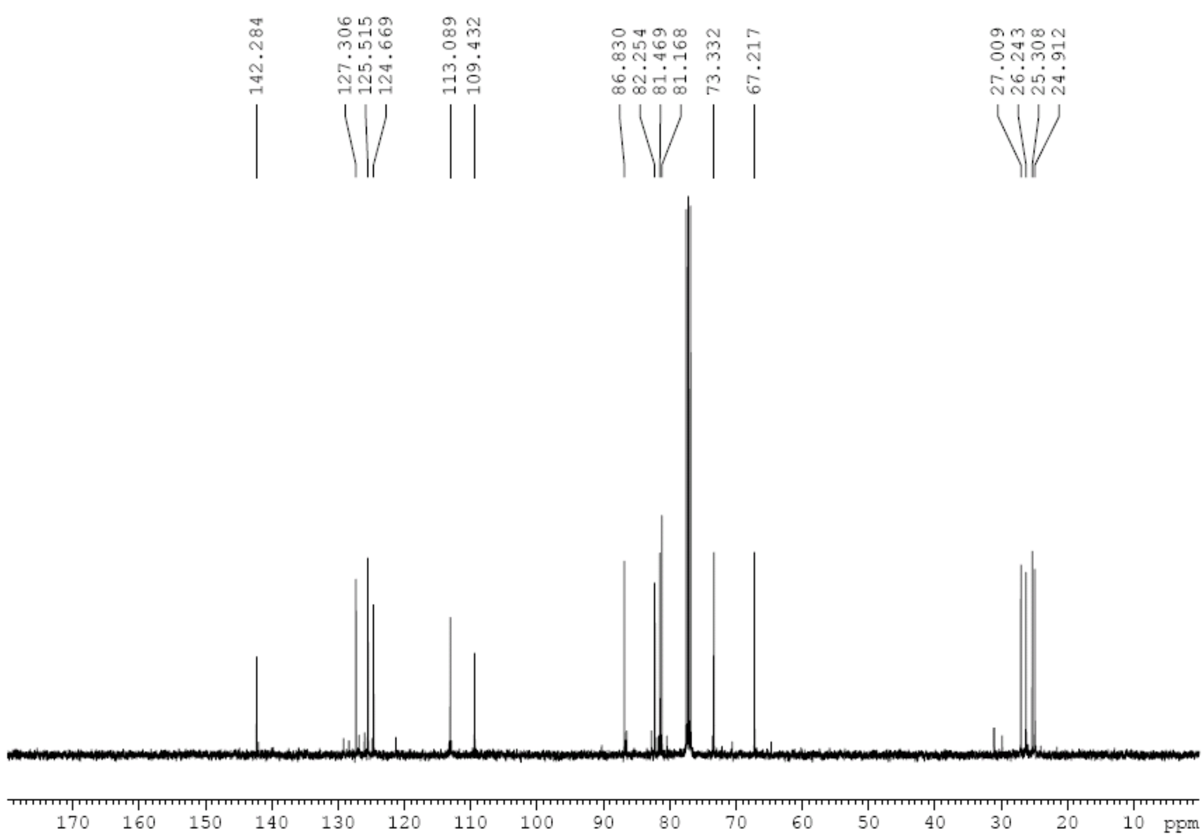

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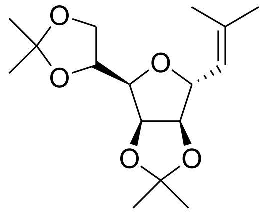
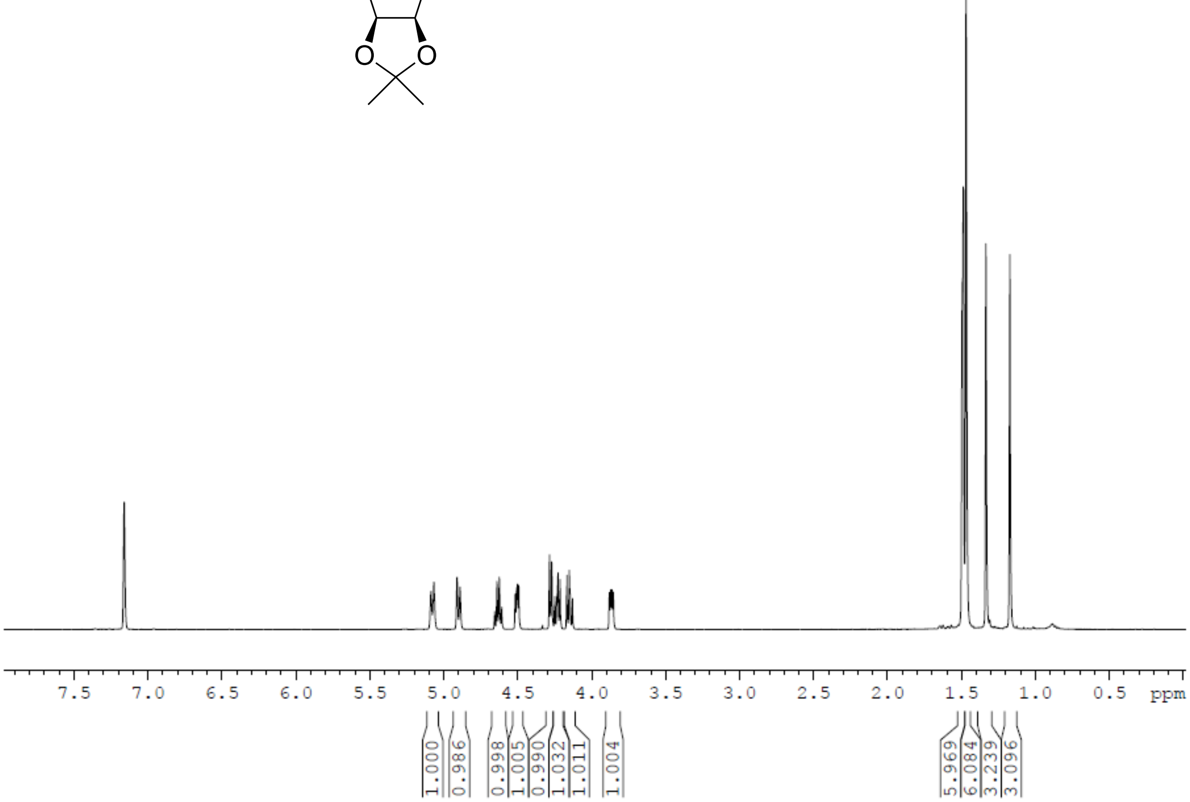
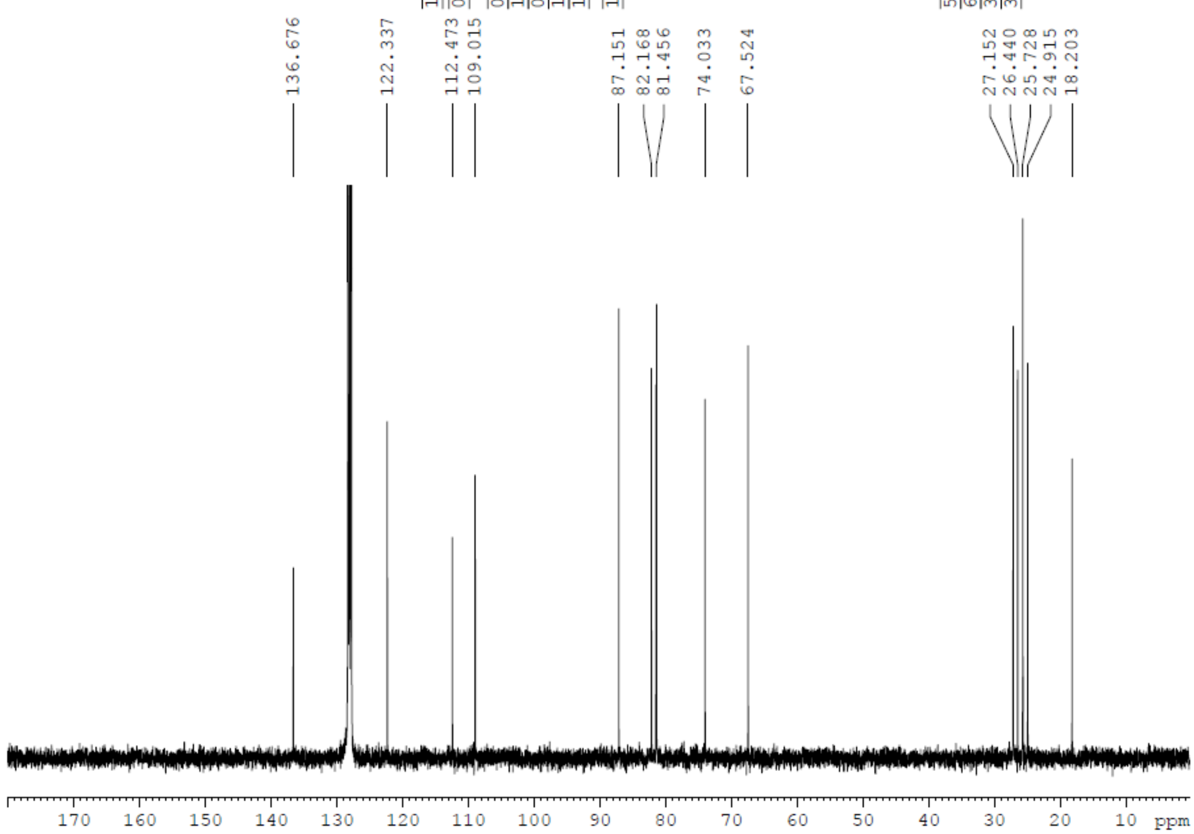
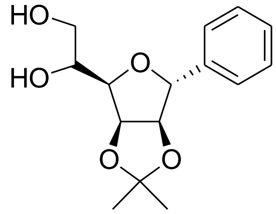
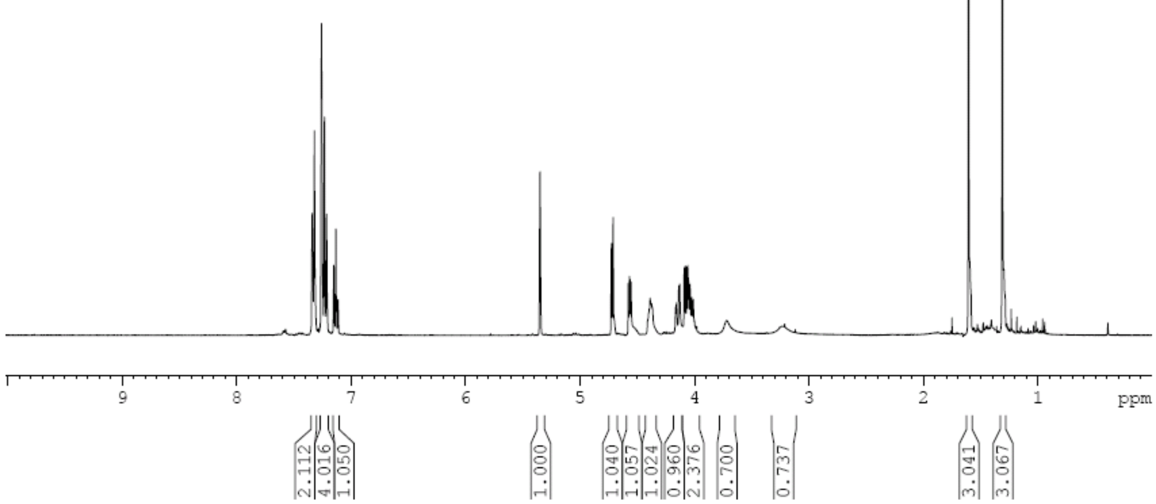






Compound 12 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8
7
6
5
4
3
2
1
ppm
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1.000
1.040
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1.024
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0.737
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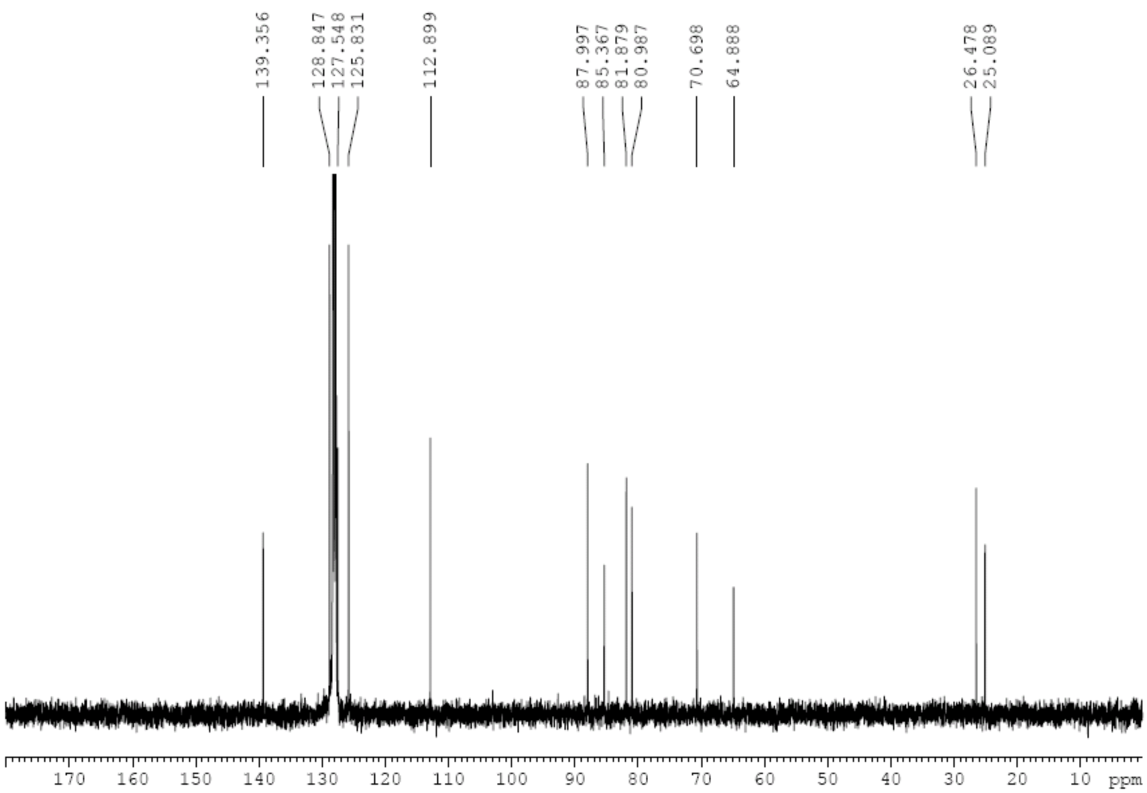
3.067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81.879
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70.698
64.888
26.478
25.089
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140
130
120
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100
90
80
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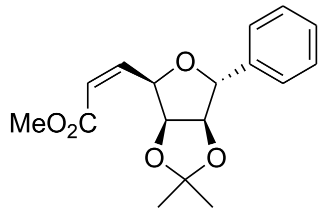
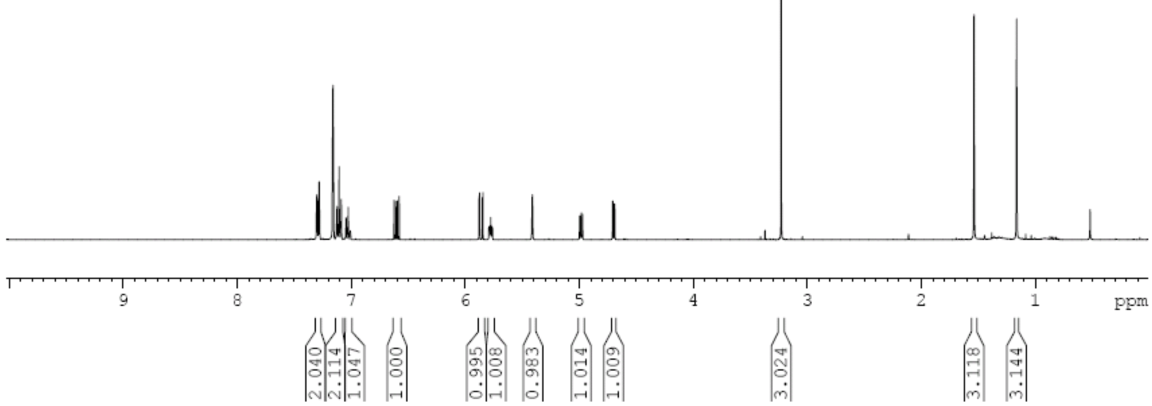
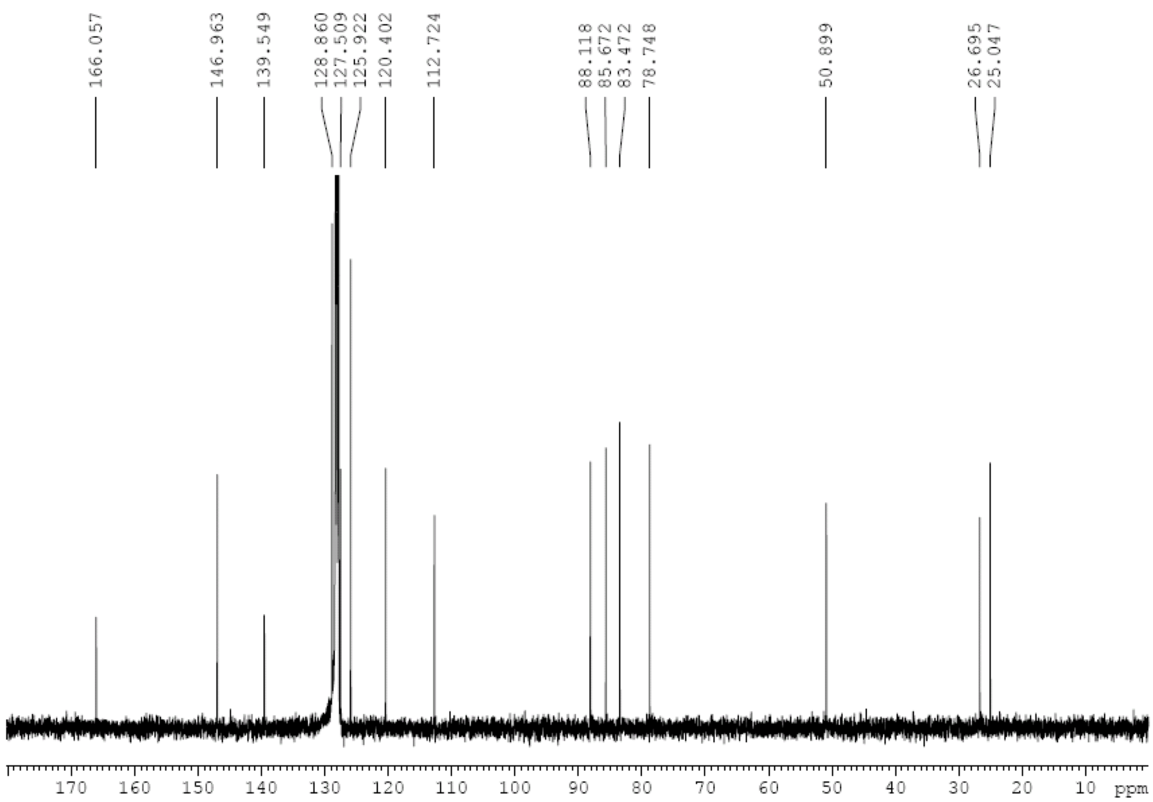
60
50
40
30
20
10
ppm

Compound 14







(–)-Isoaltholactone