

## Supporting Information

### Design, Synthesis and Biological Evaluation of Sugar-Derived Esters, $\alpha$ -Ketoesters and $\alpha$ -Ketoamides as Inhibitors for *Mycobacterium tuberculosis* Antigen 85C

Aditya K. Sanki, Julie Boucau, Francis E. Umesiri, Donald R. Ronning and

Steven J. Sucheck\*

*The University of Toledo, Department of Chemistry, 2801 W. Bancroft Street, Toledo, OH, USA.*

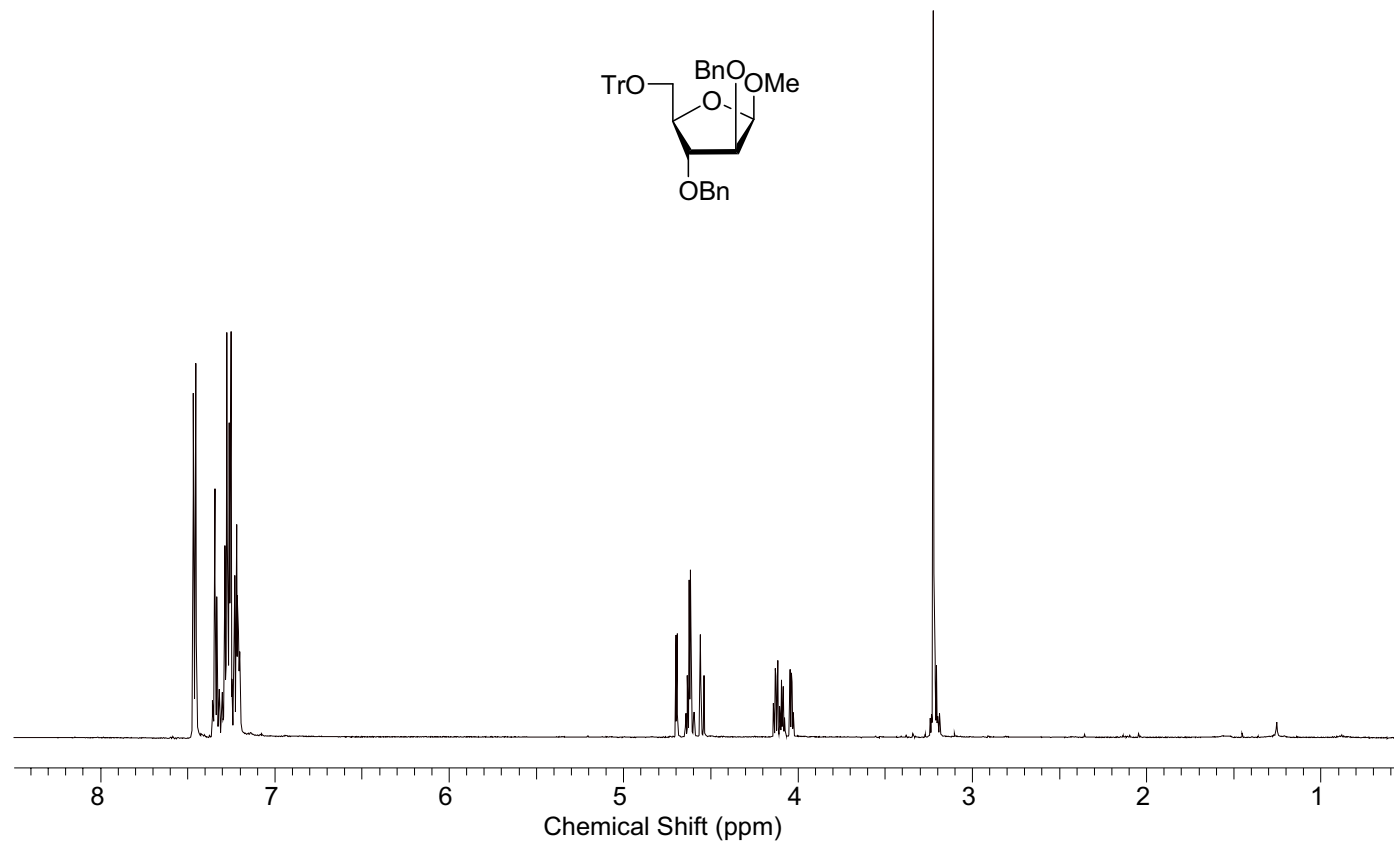
\*E-mail: [Steve.Sucheck@UTNet.UToledo.Edu](mailto:Steve.Sucheck@UTNet.UToledo.Edu)

### Supporting Information Contents

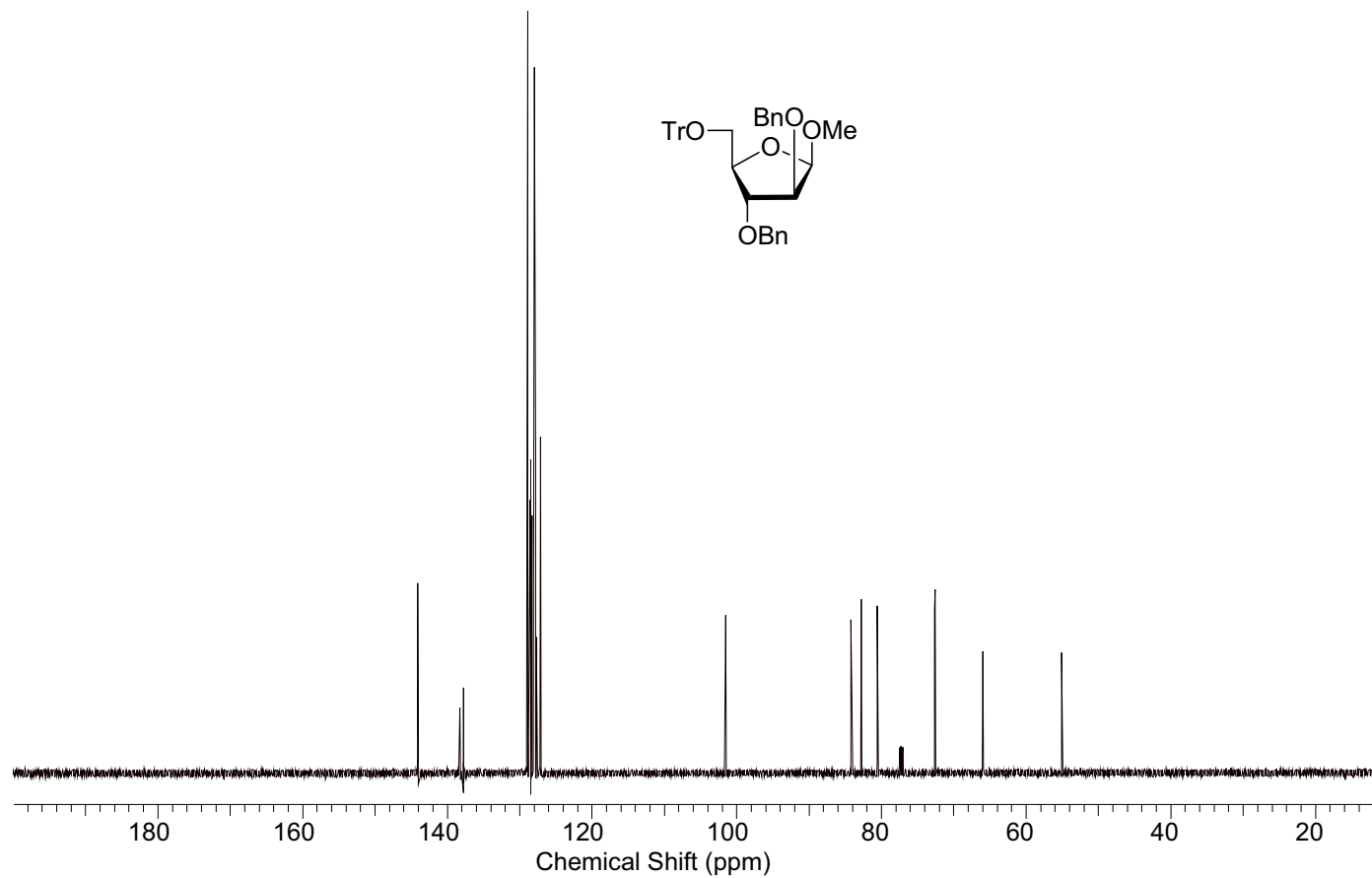
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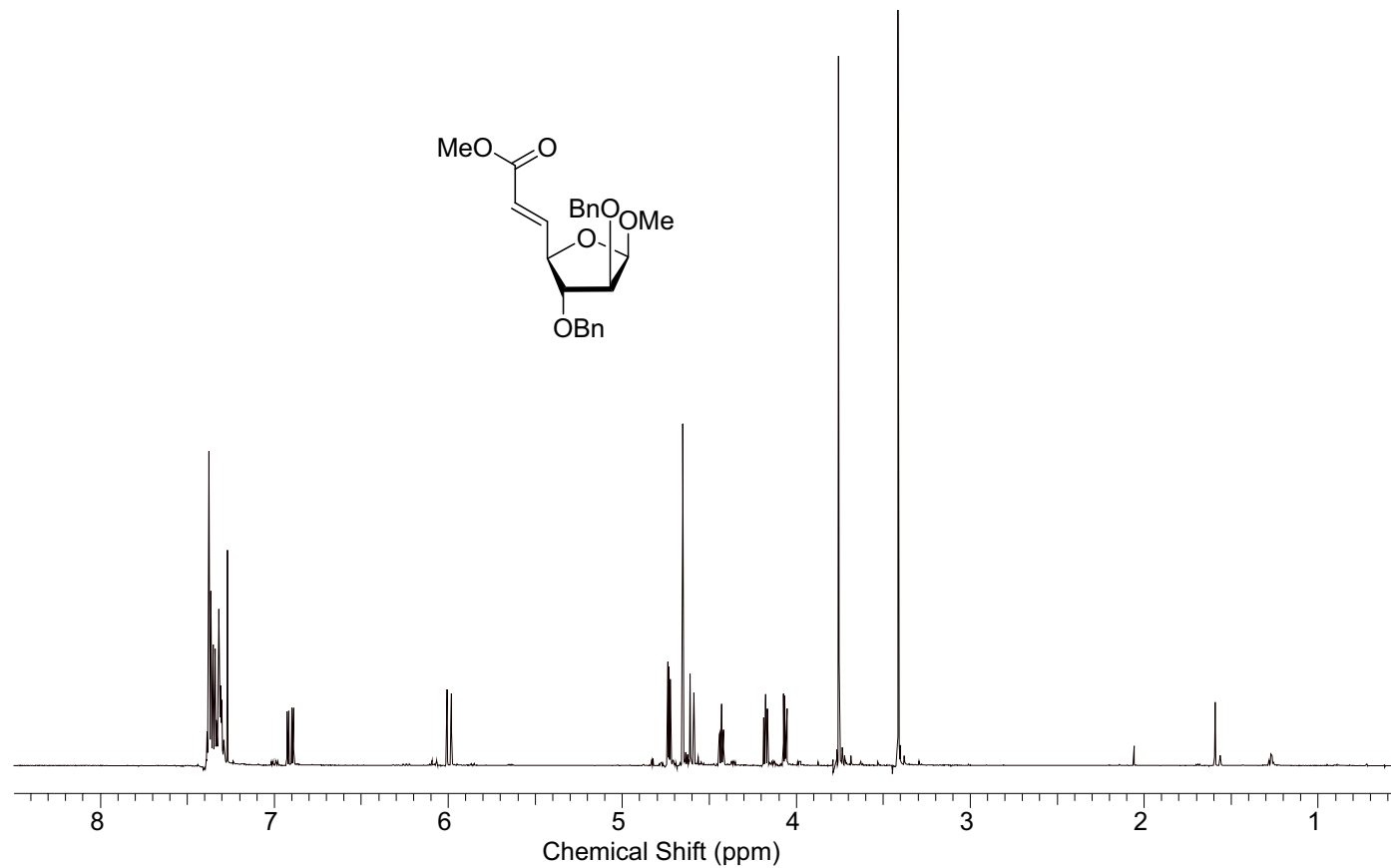
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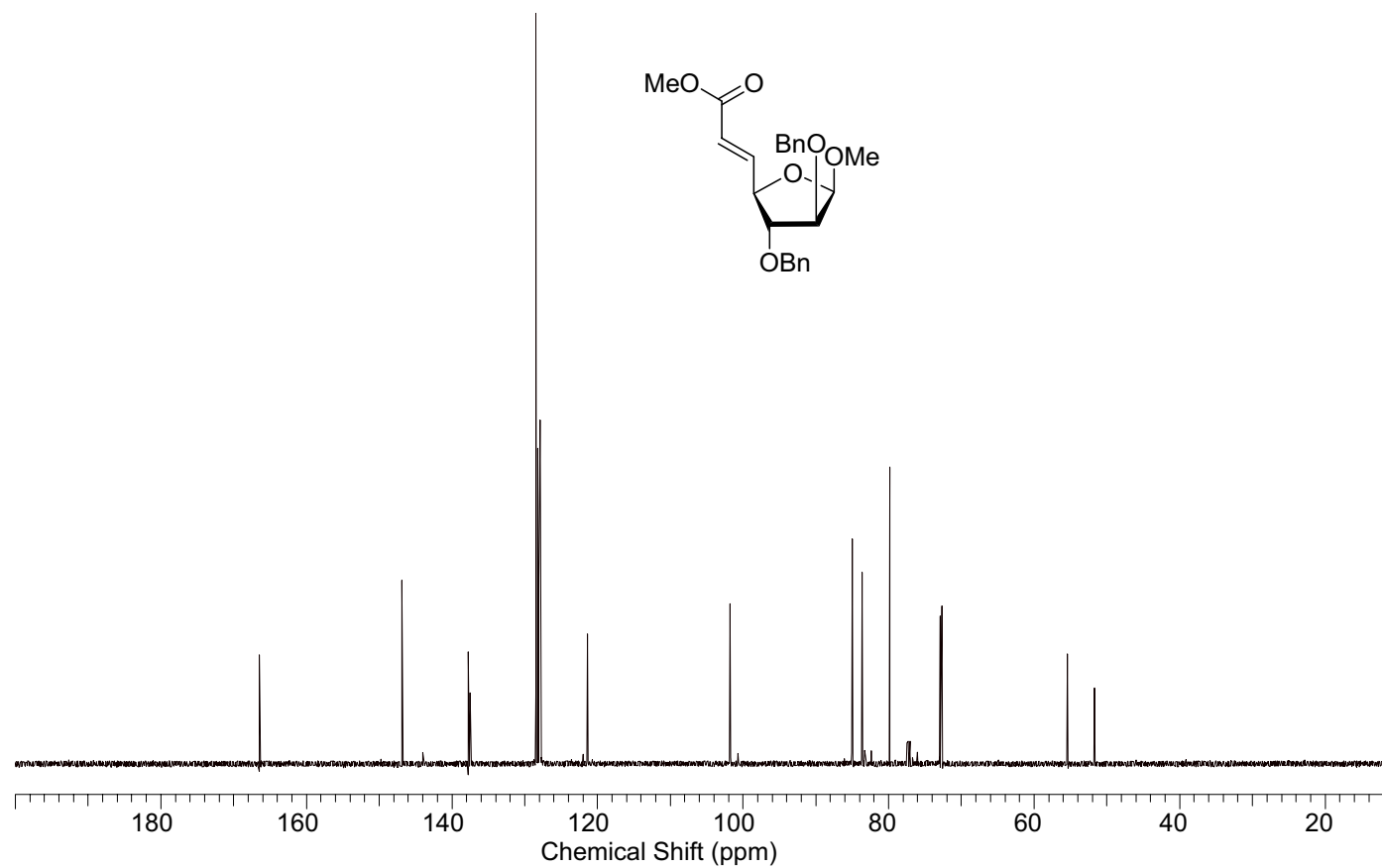
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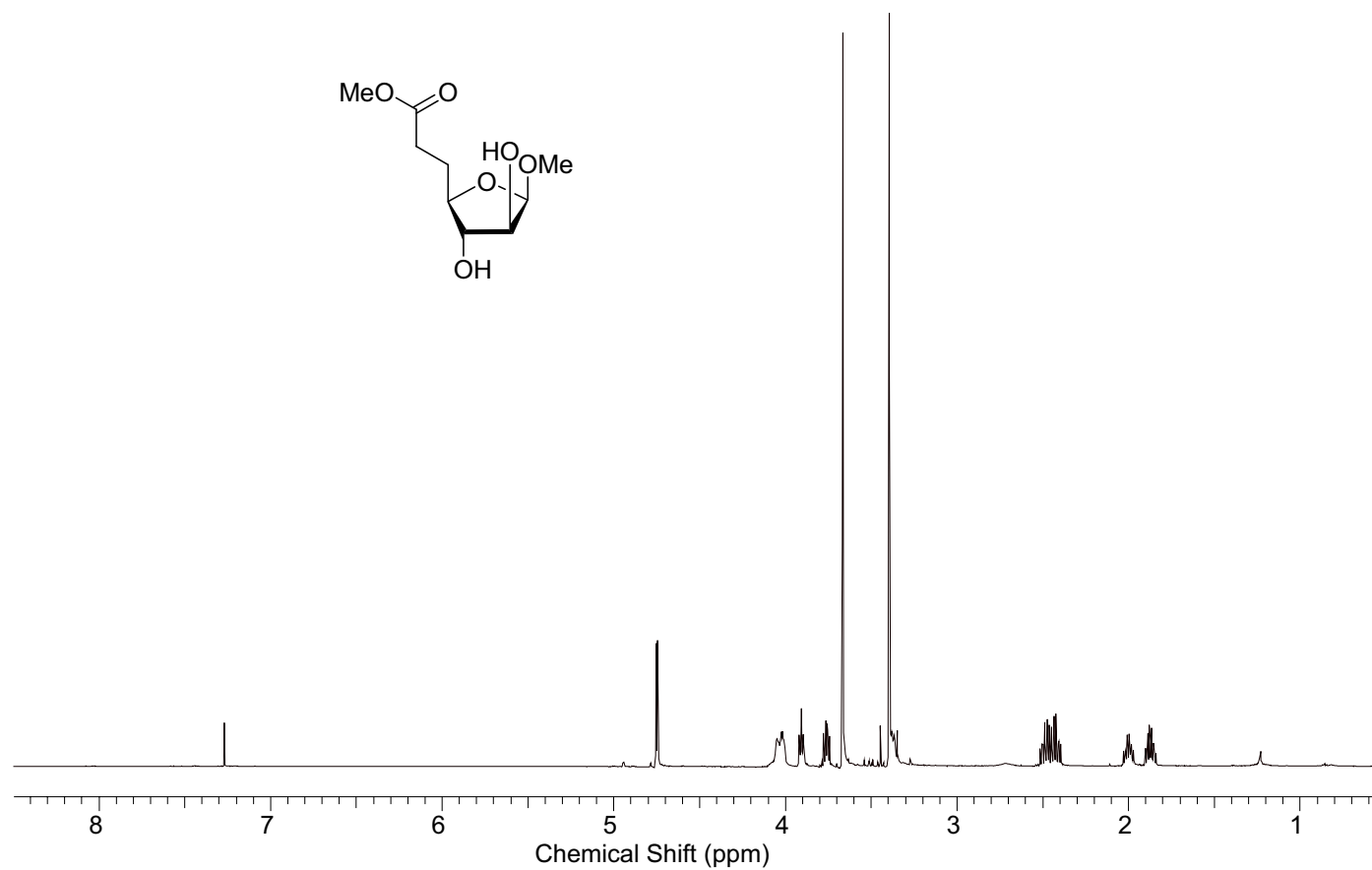
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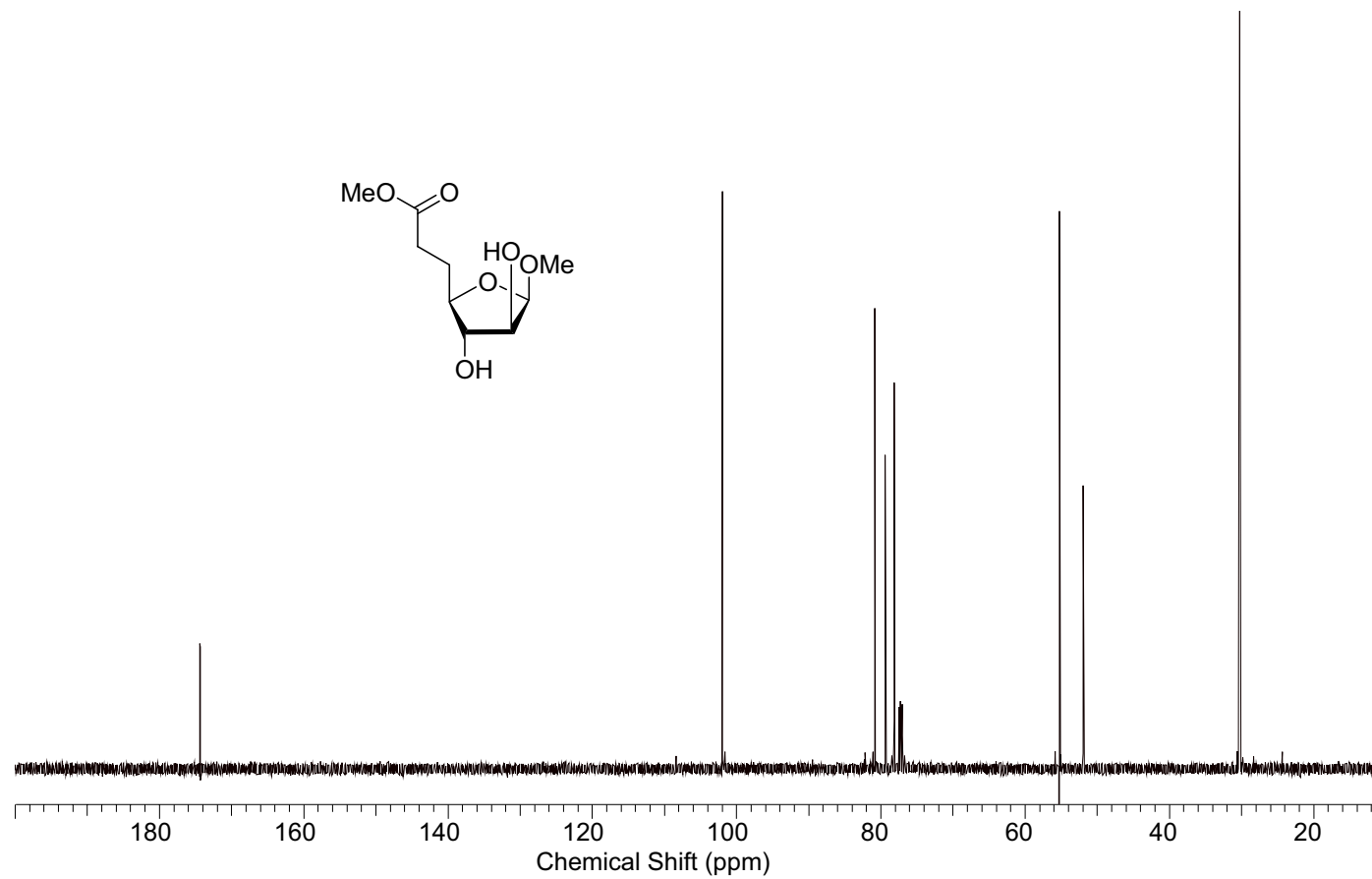
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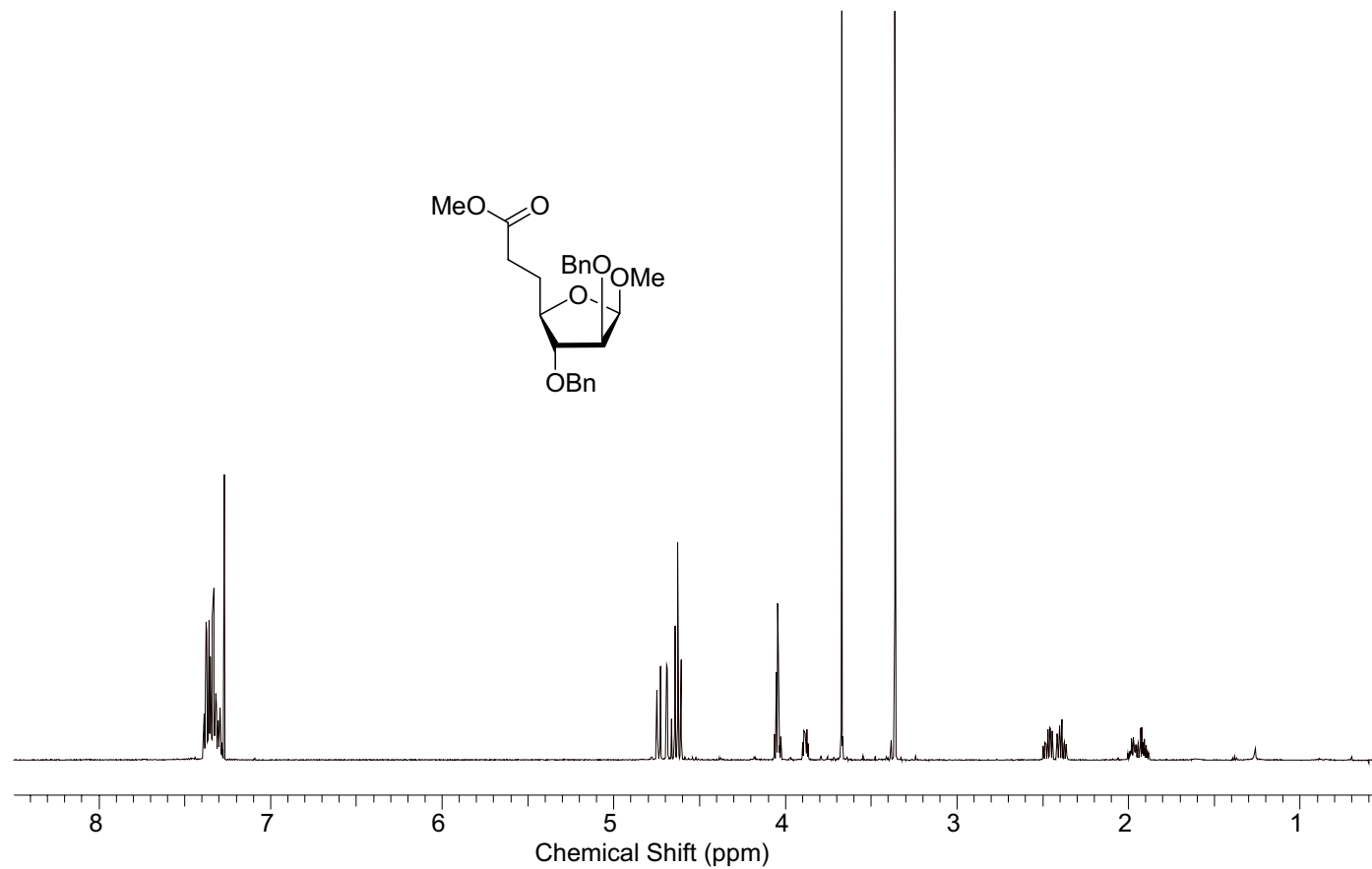
### $^1\text{H}$ NMR of methyl $\beta$ -D-arabino-heptafuranosiduronic acid methyl ester (1)



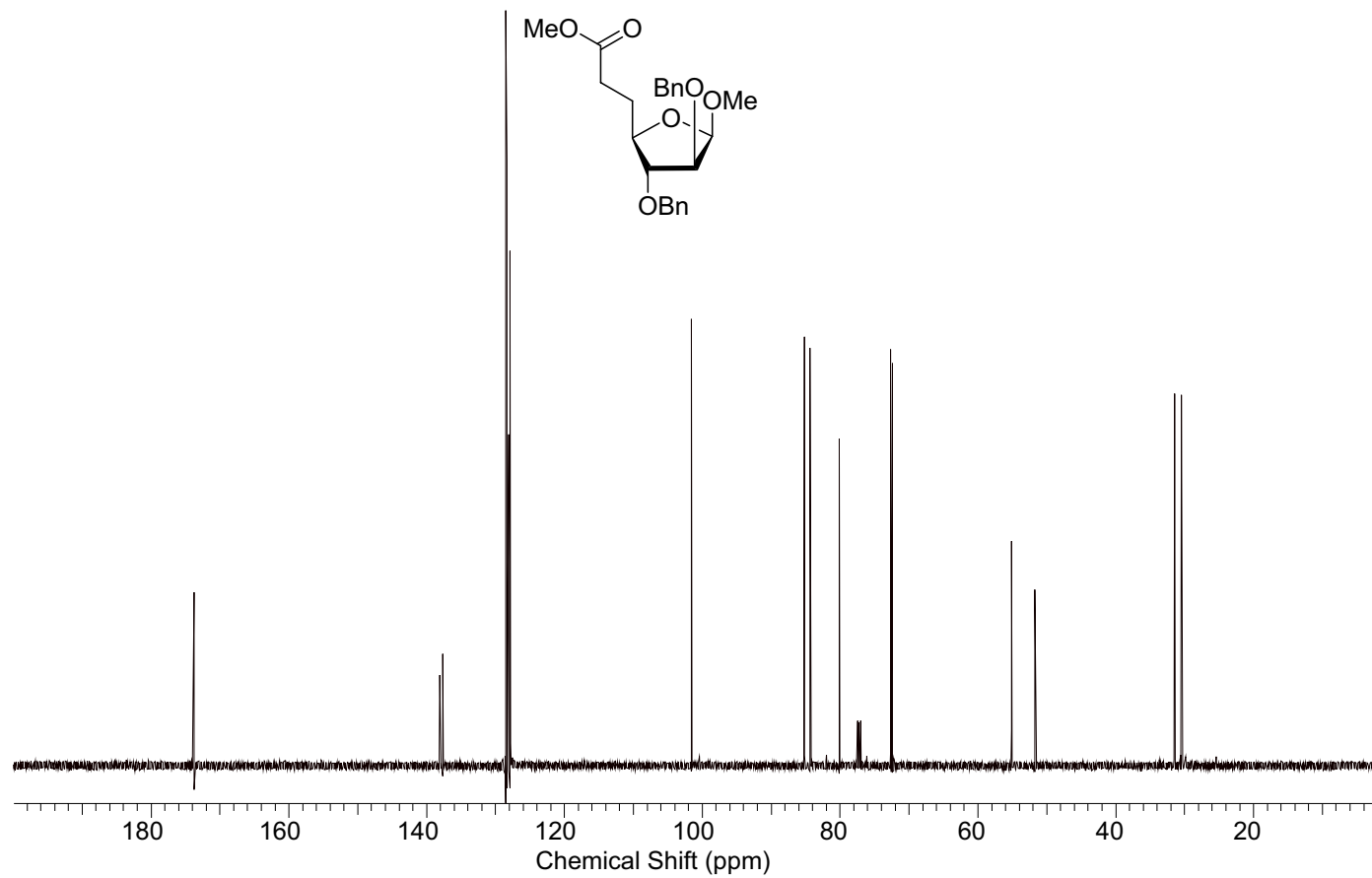
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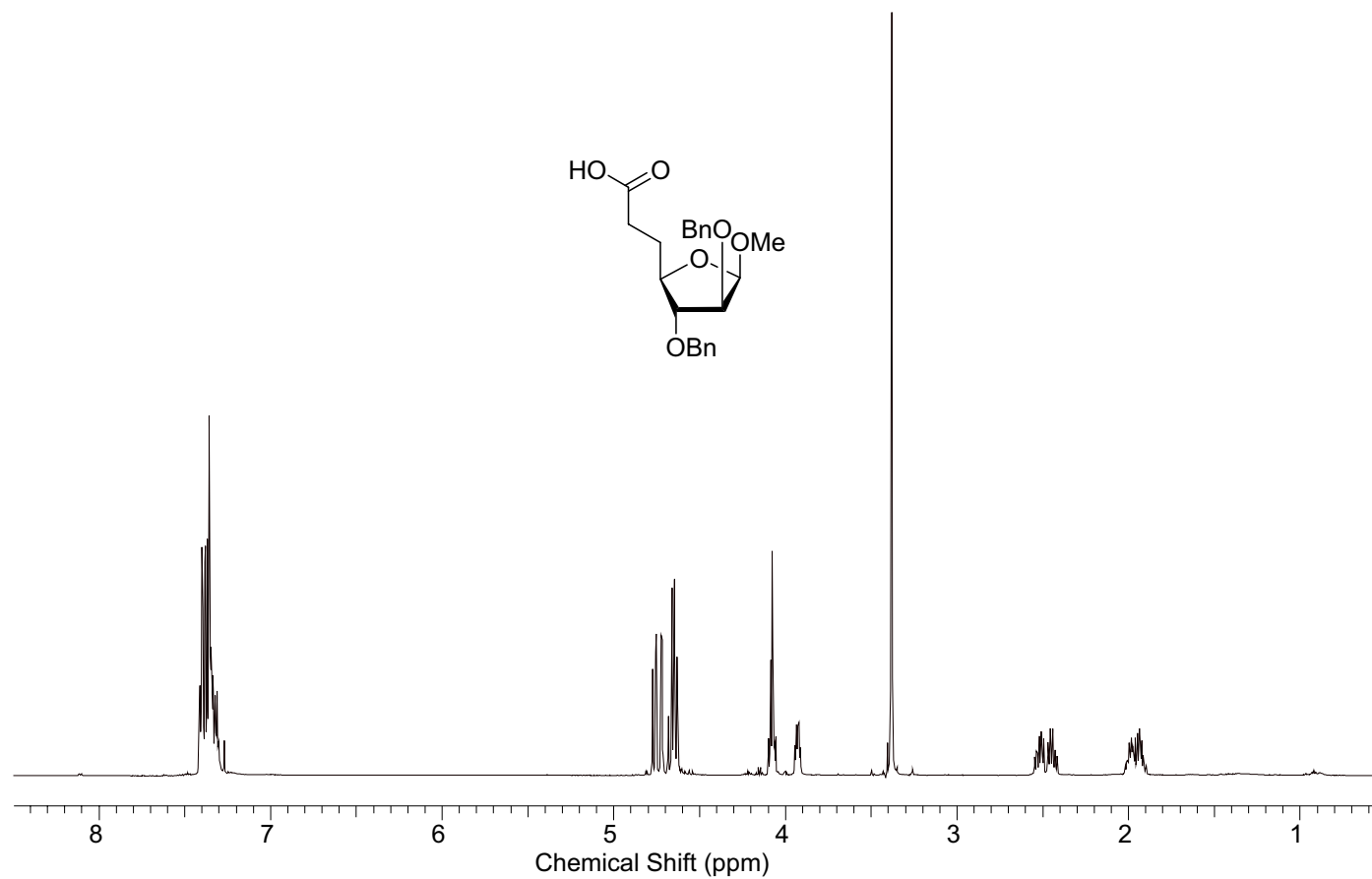
**<sup>1</sup>H NMR of methyl 2,3-di-O-benzyl-β-D-arabino-heptafuranosiduronic acid methyl ester (11)**



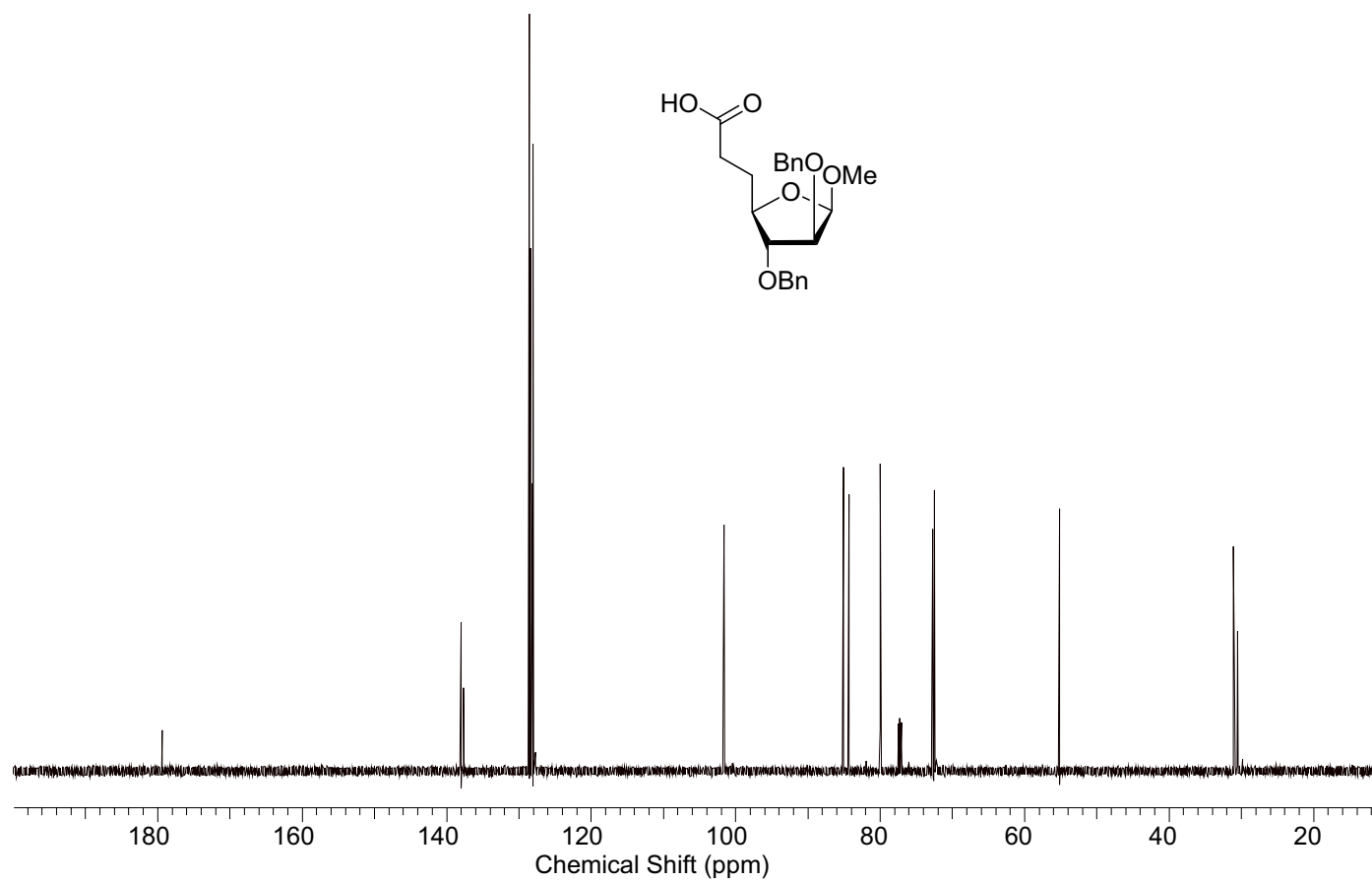
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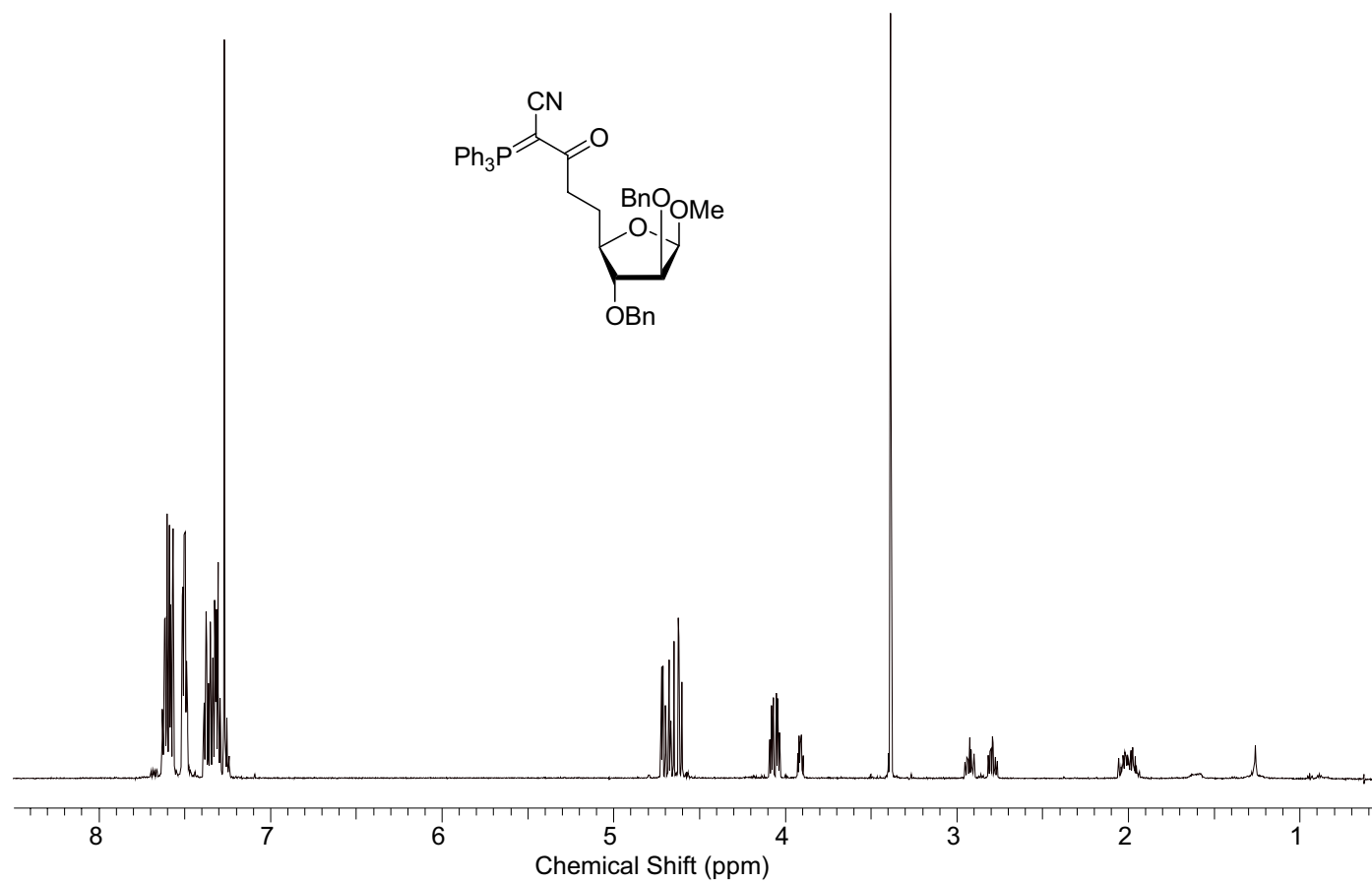
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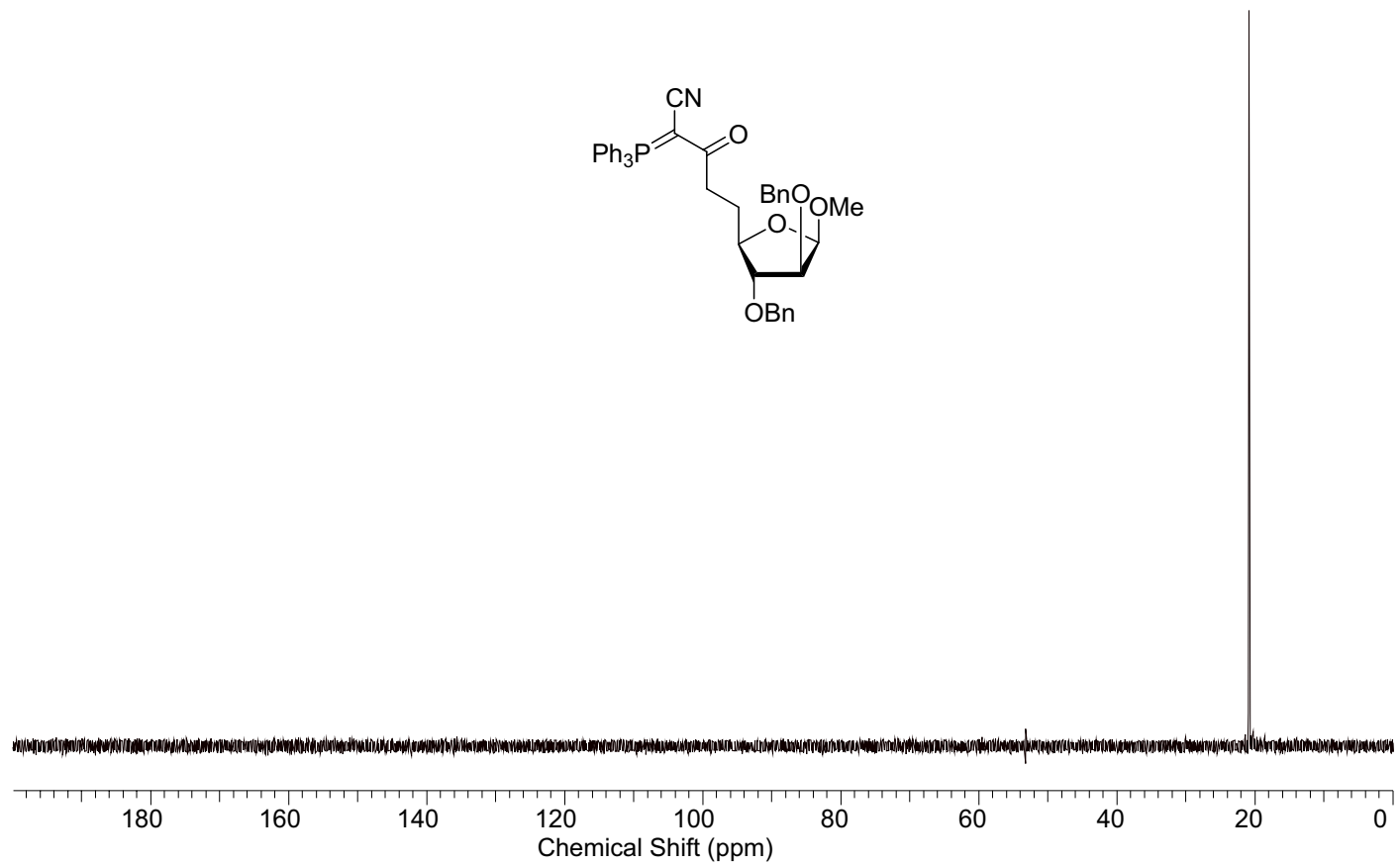


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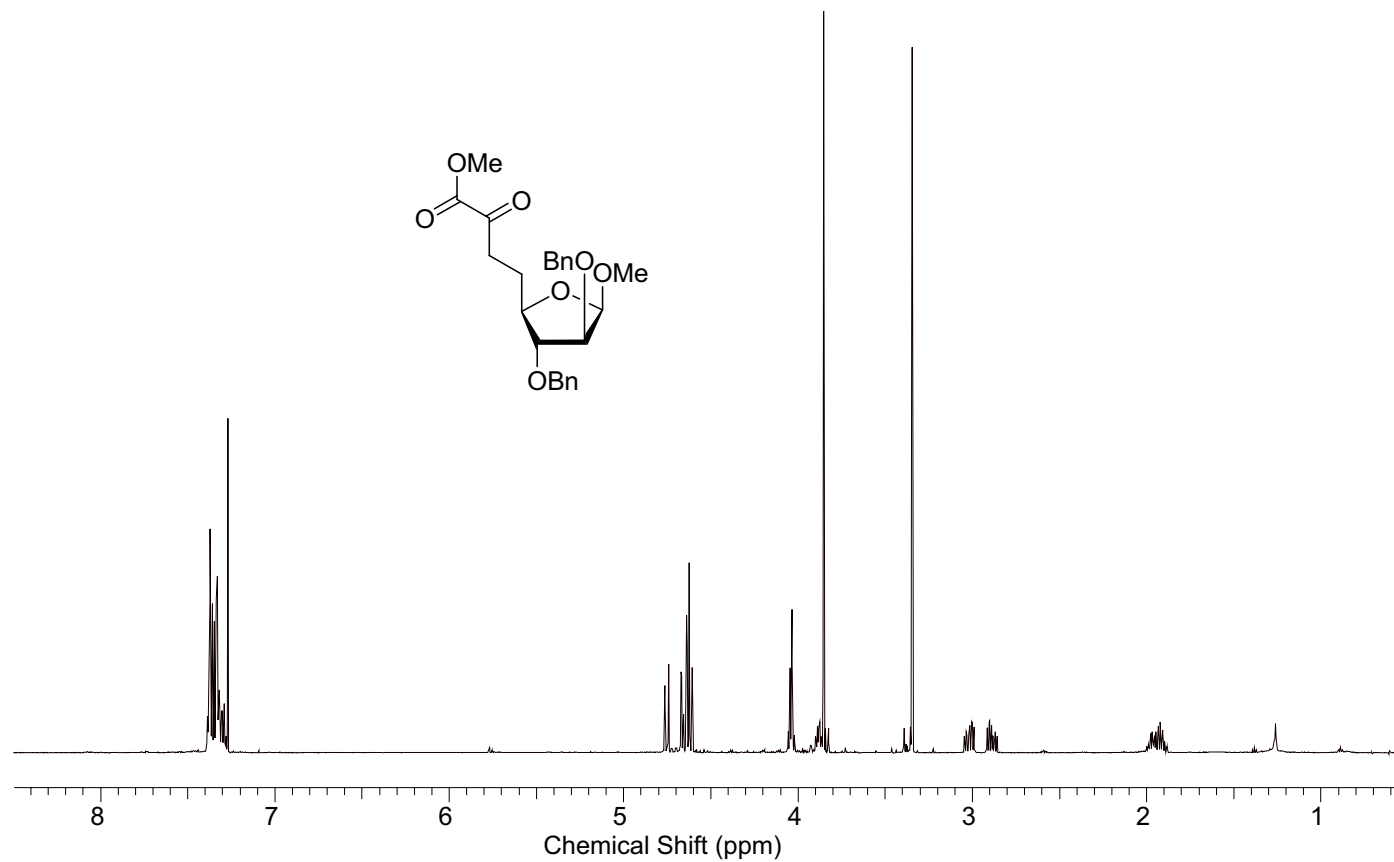




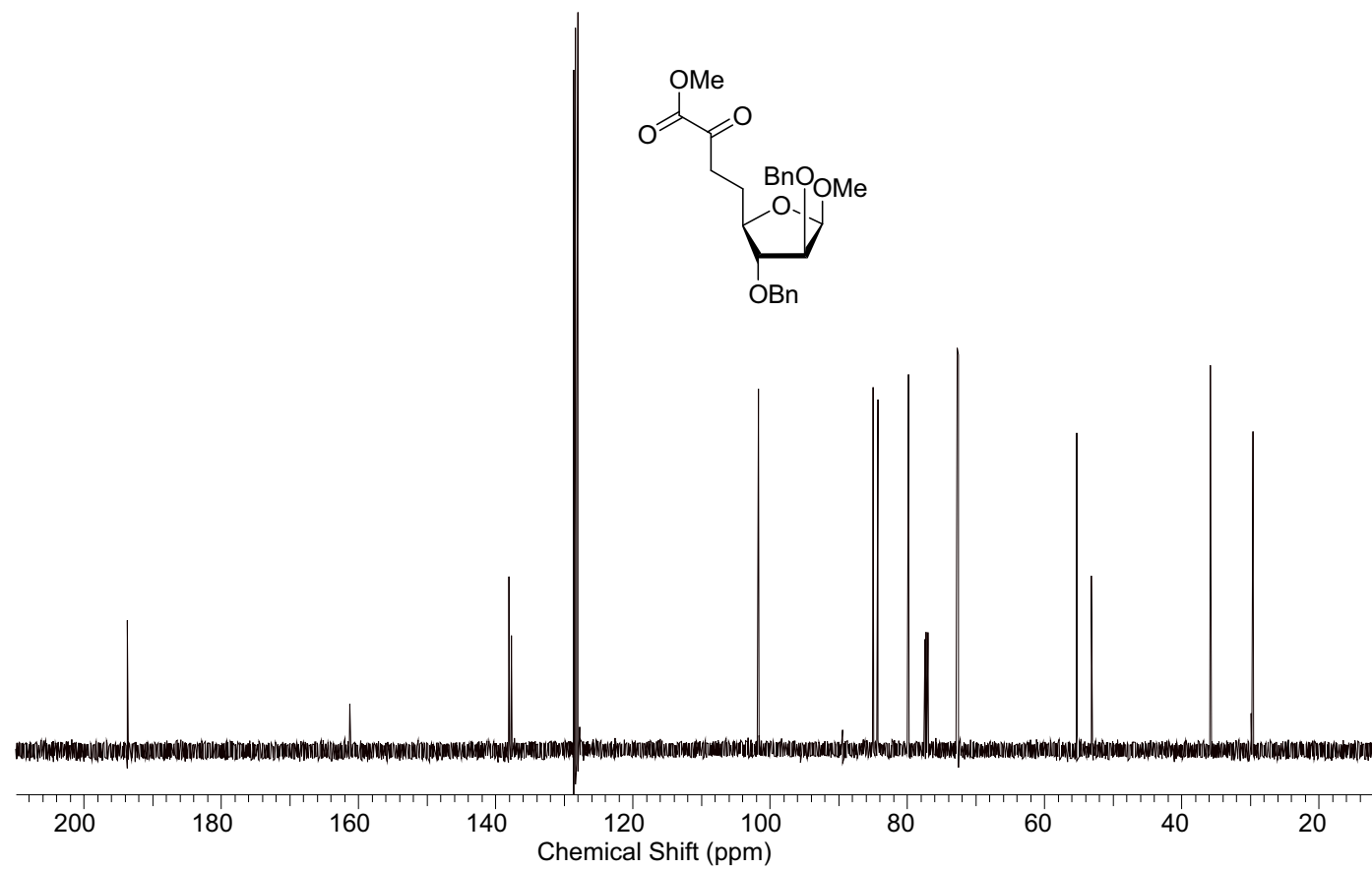
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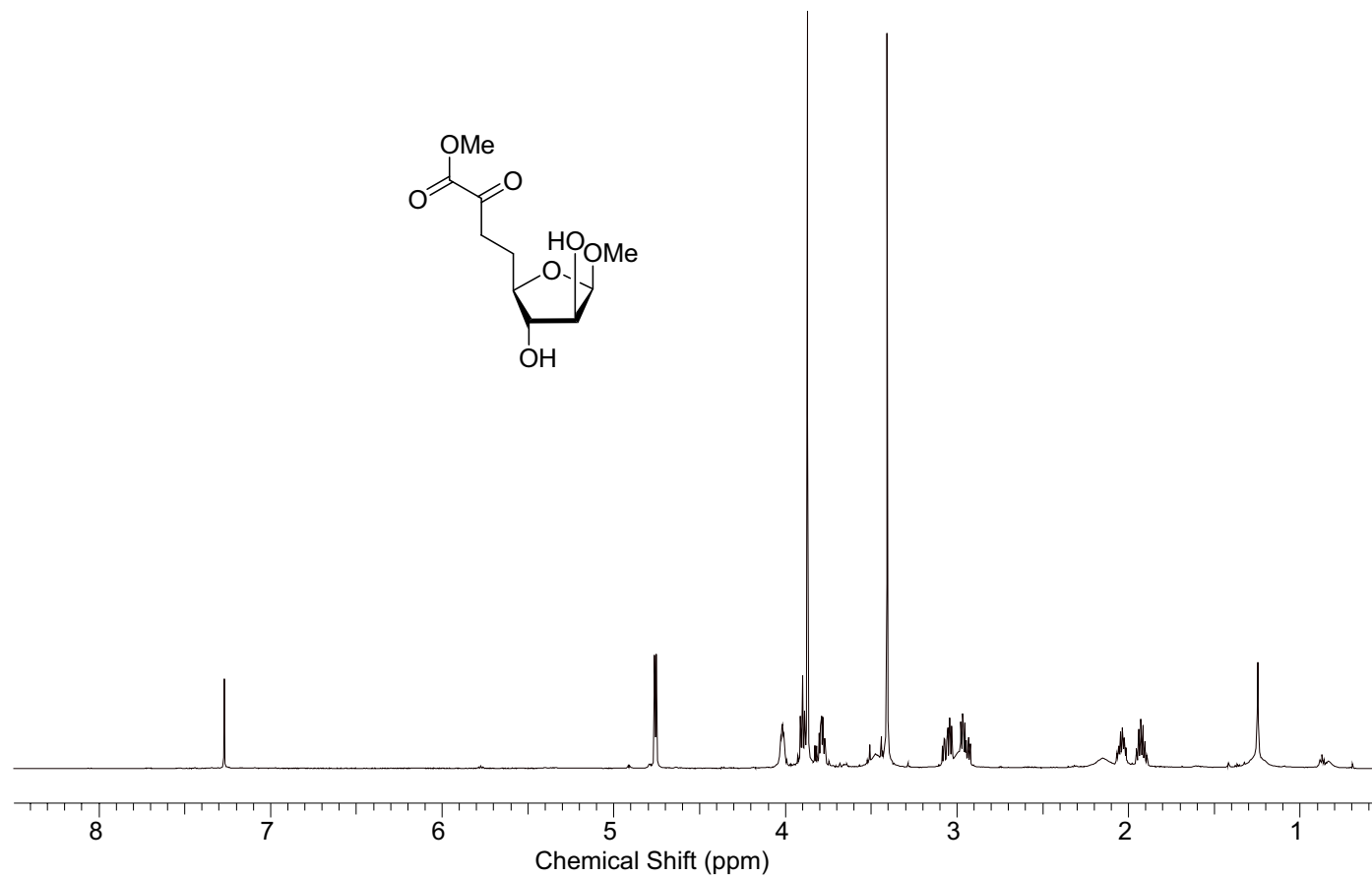
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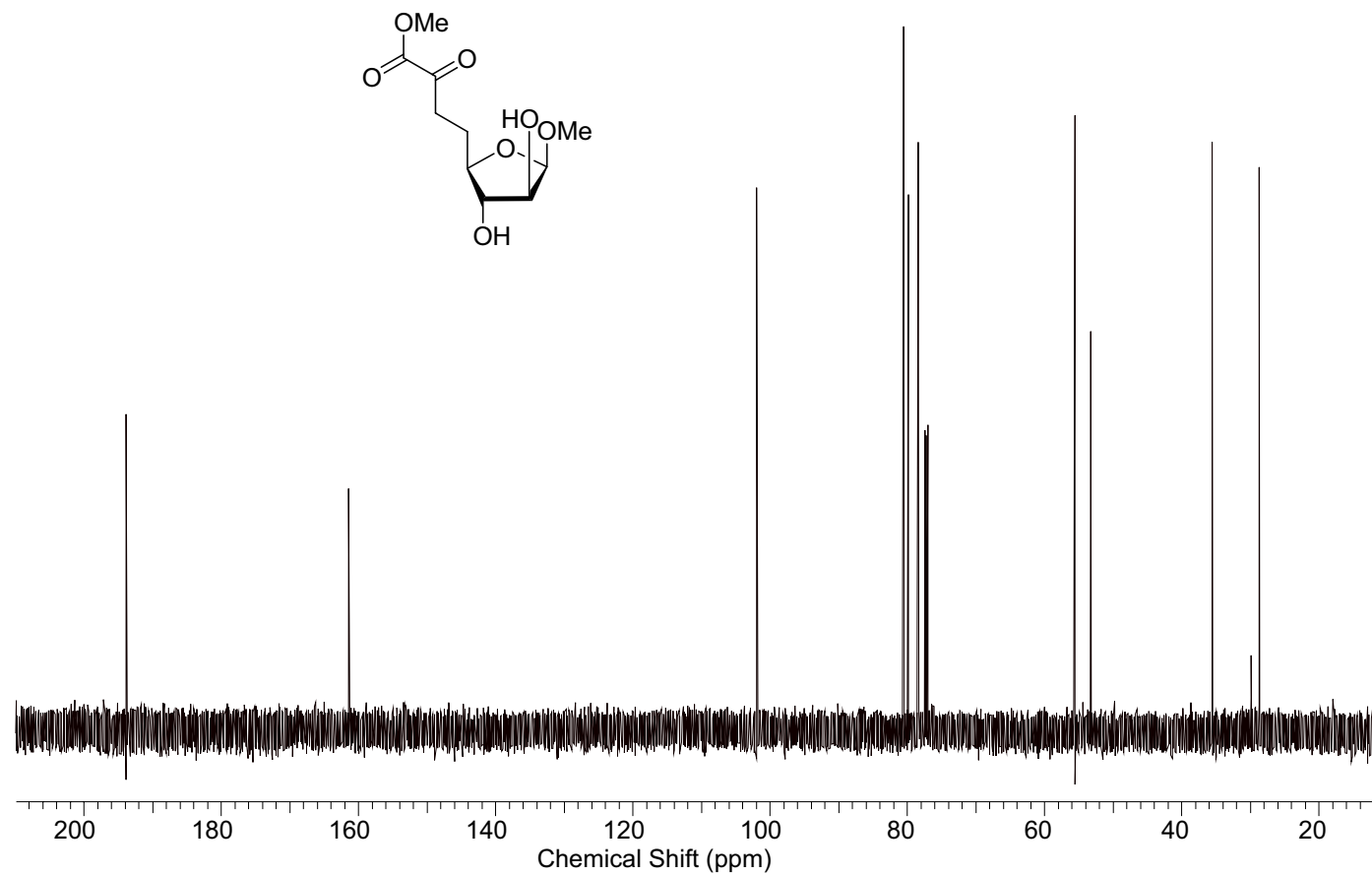
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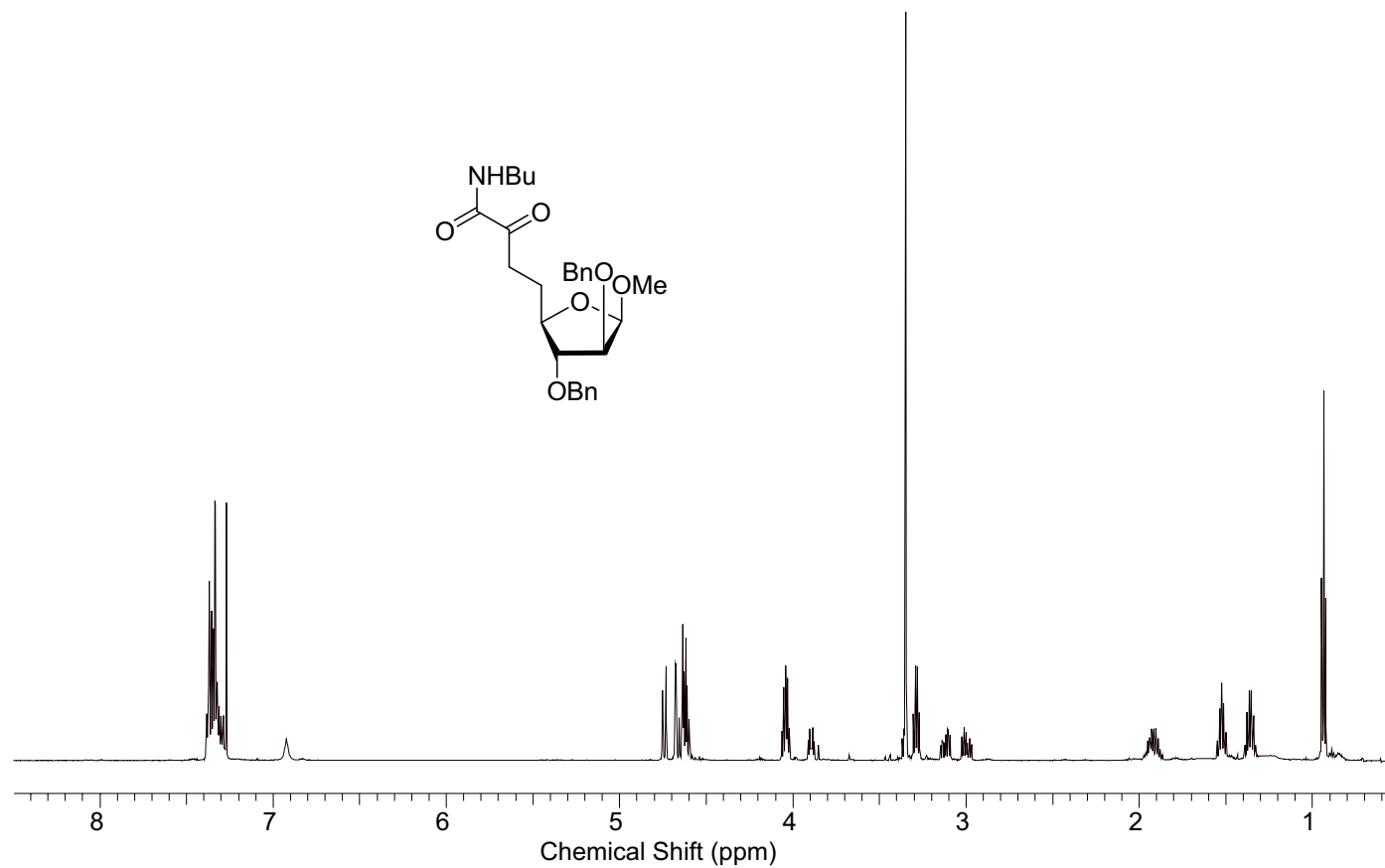
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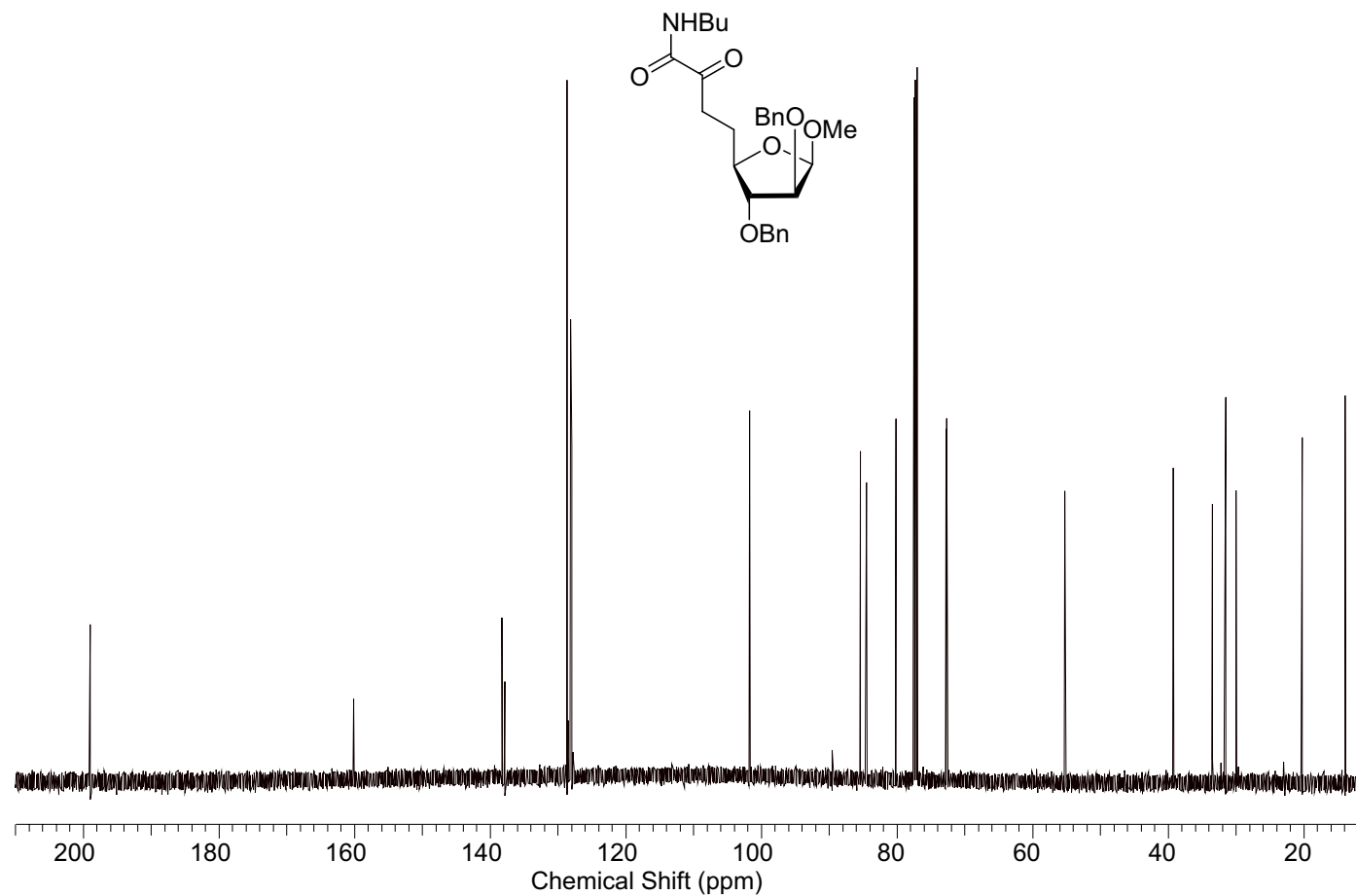
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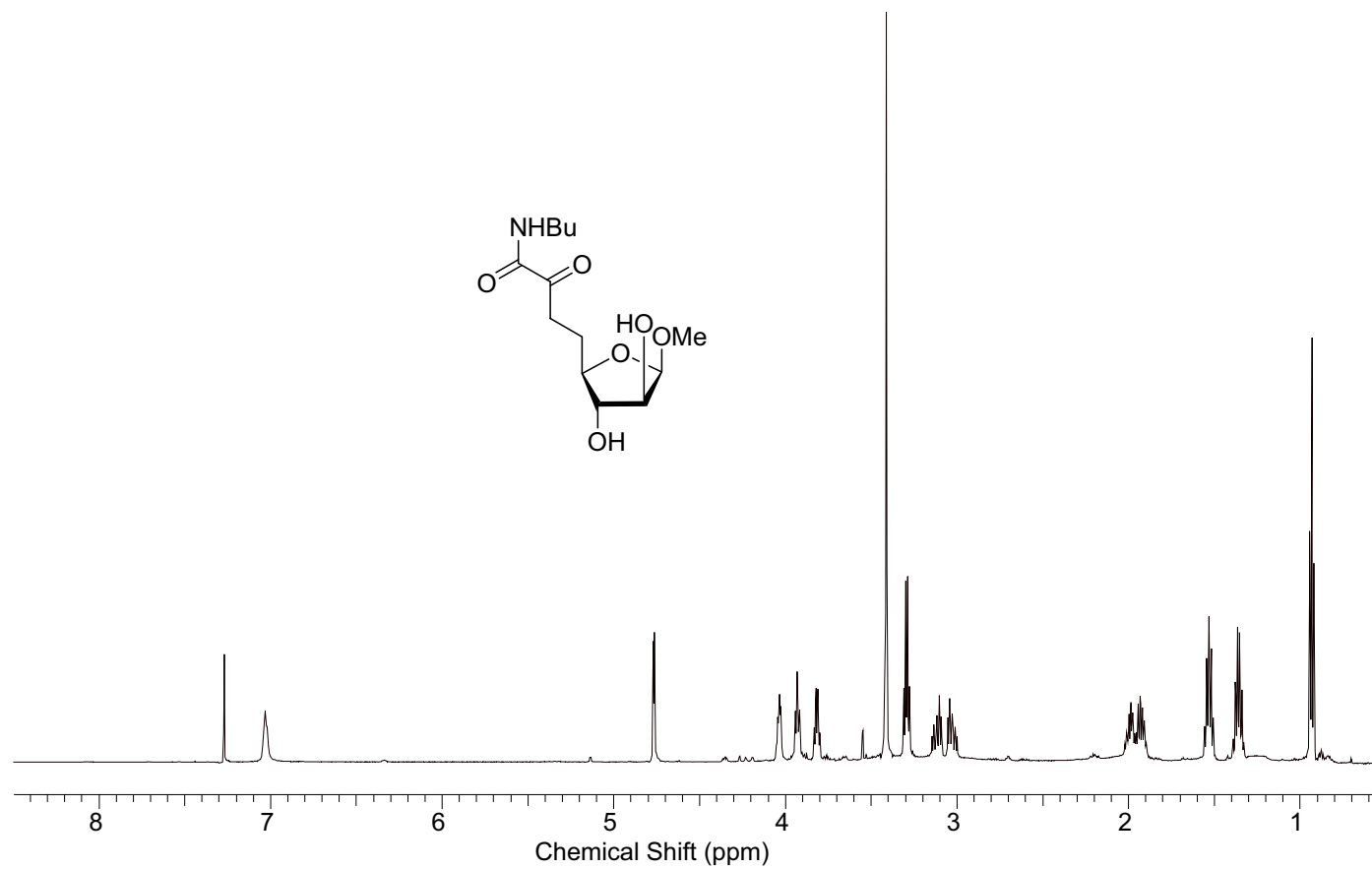
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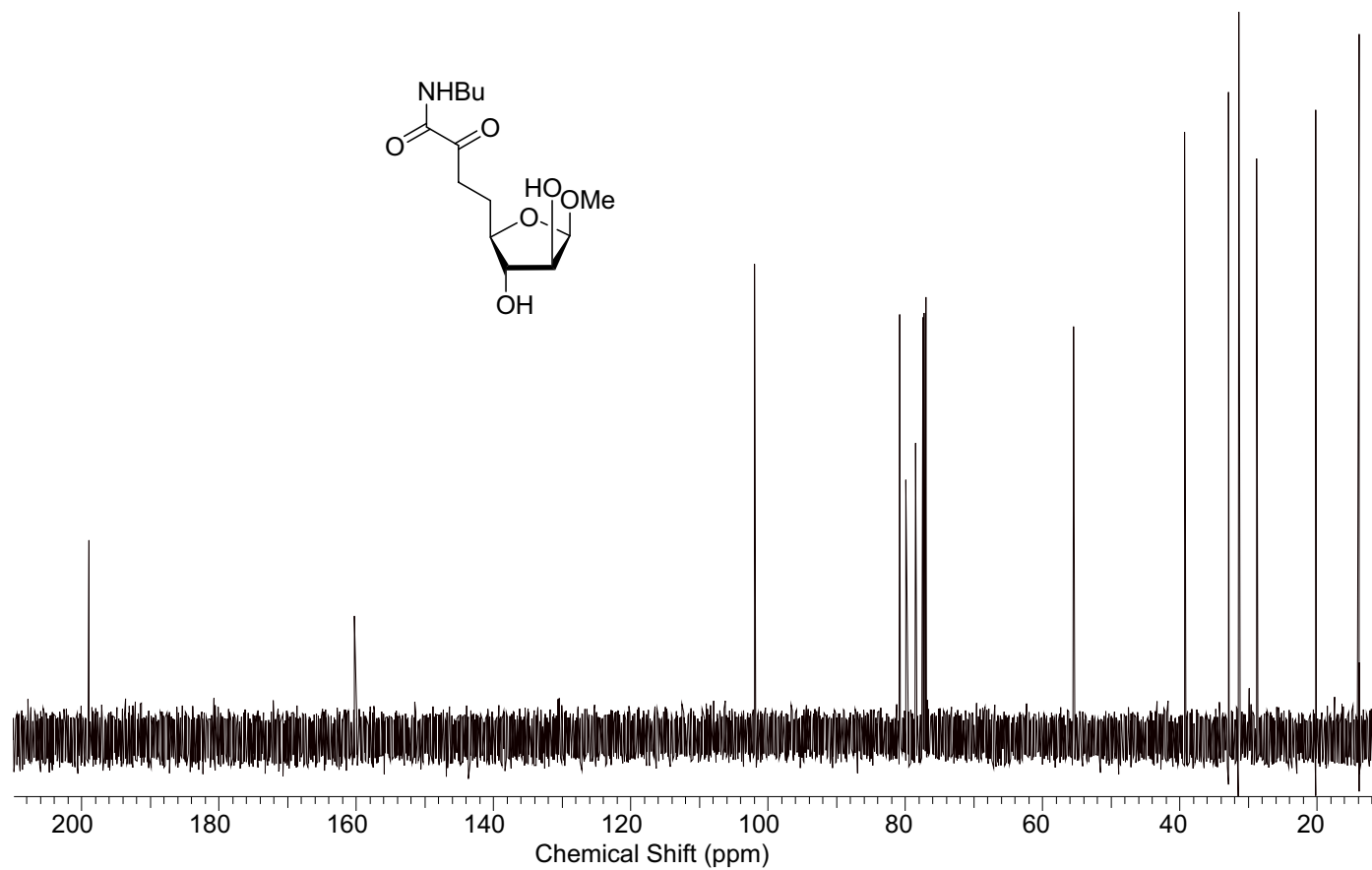
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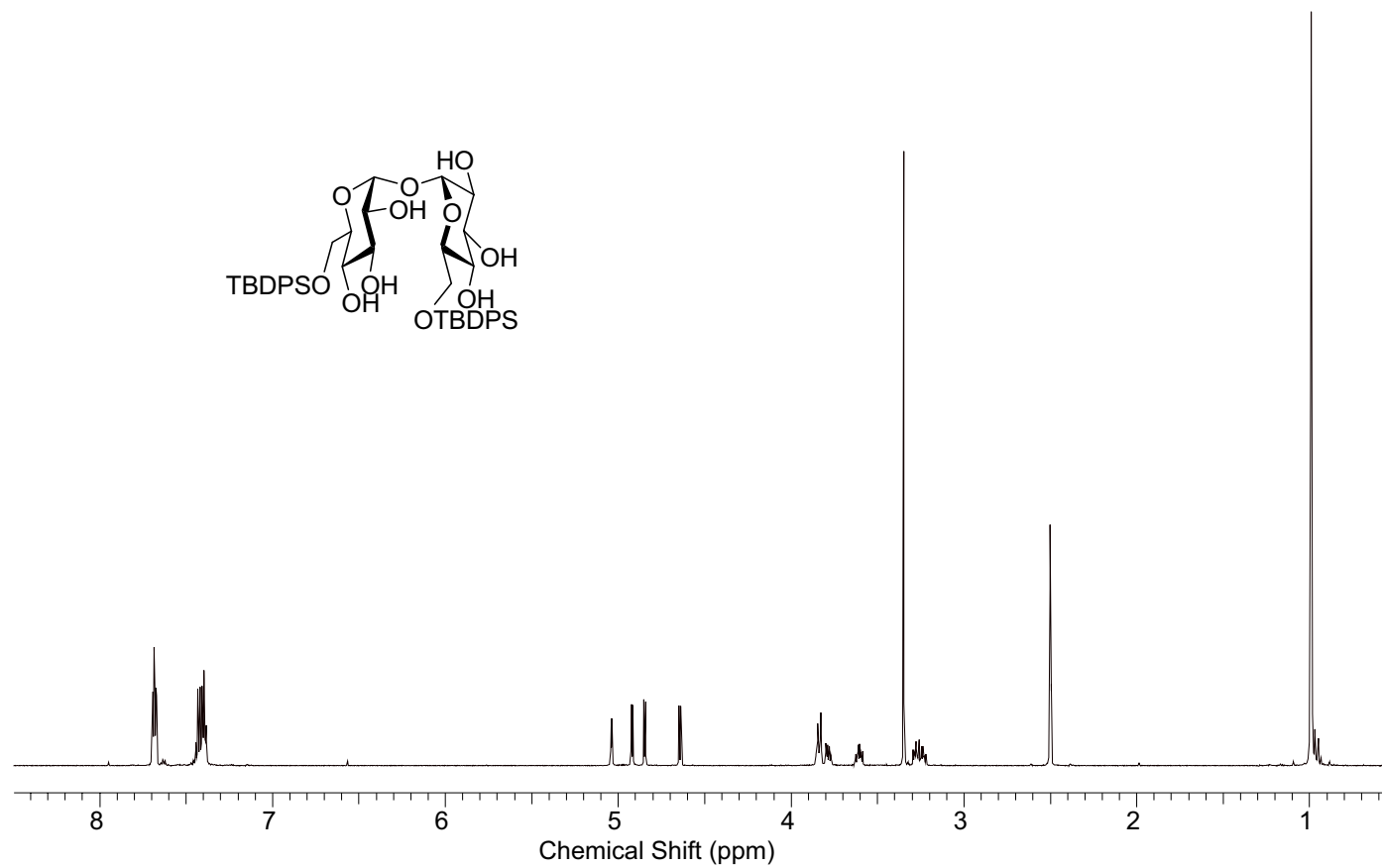
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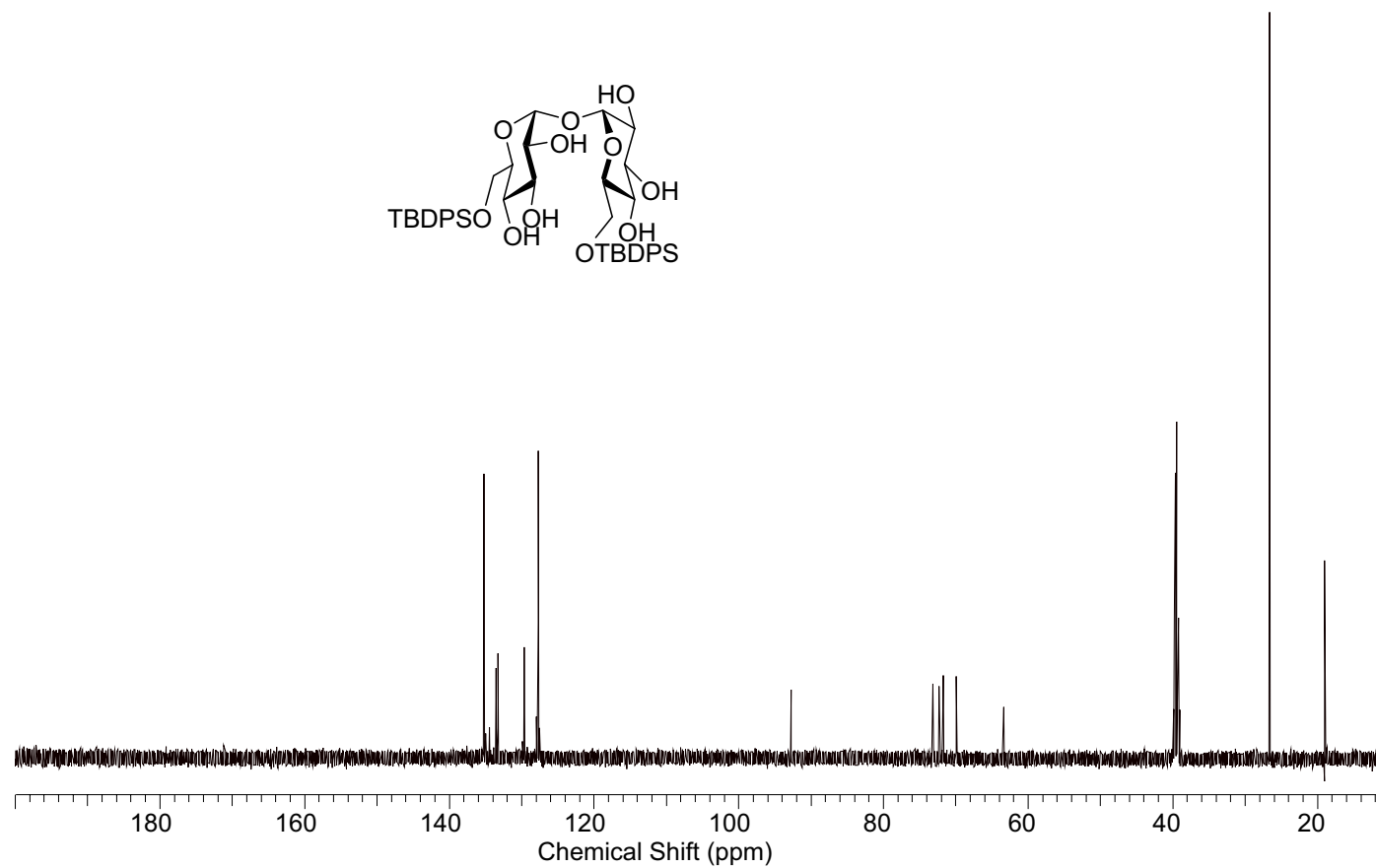
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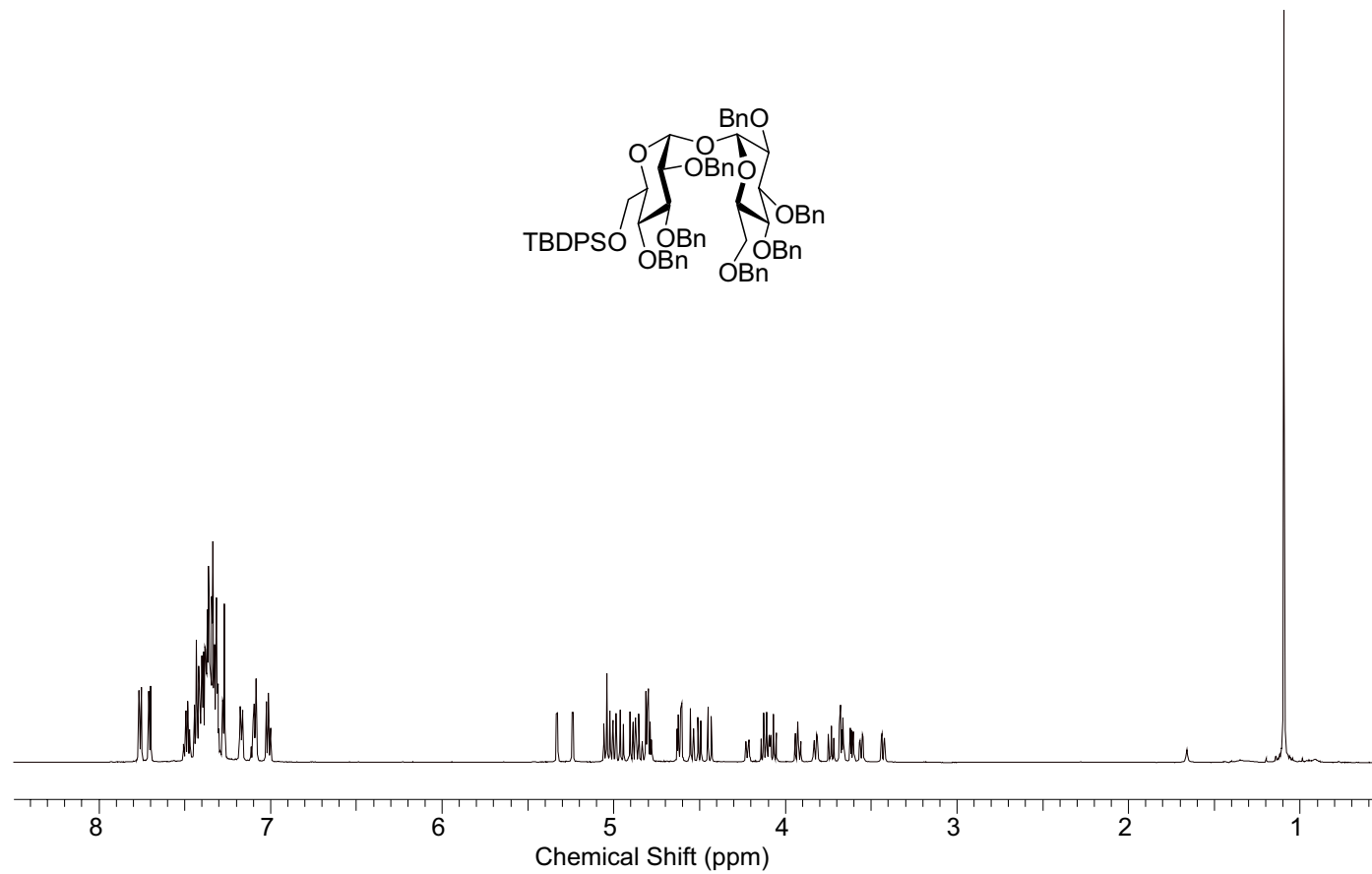
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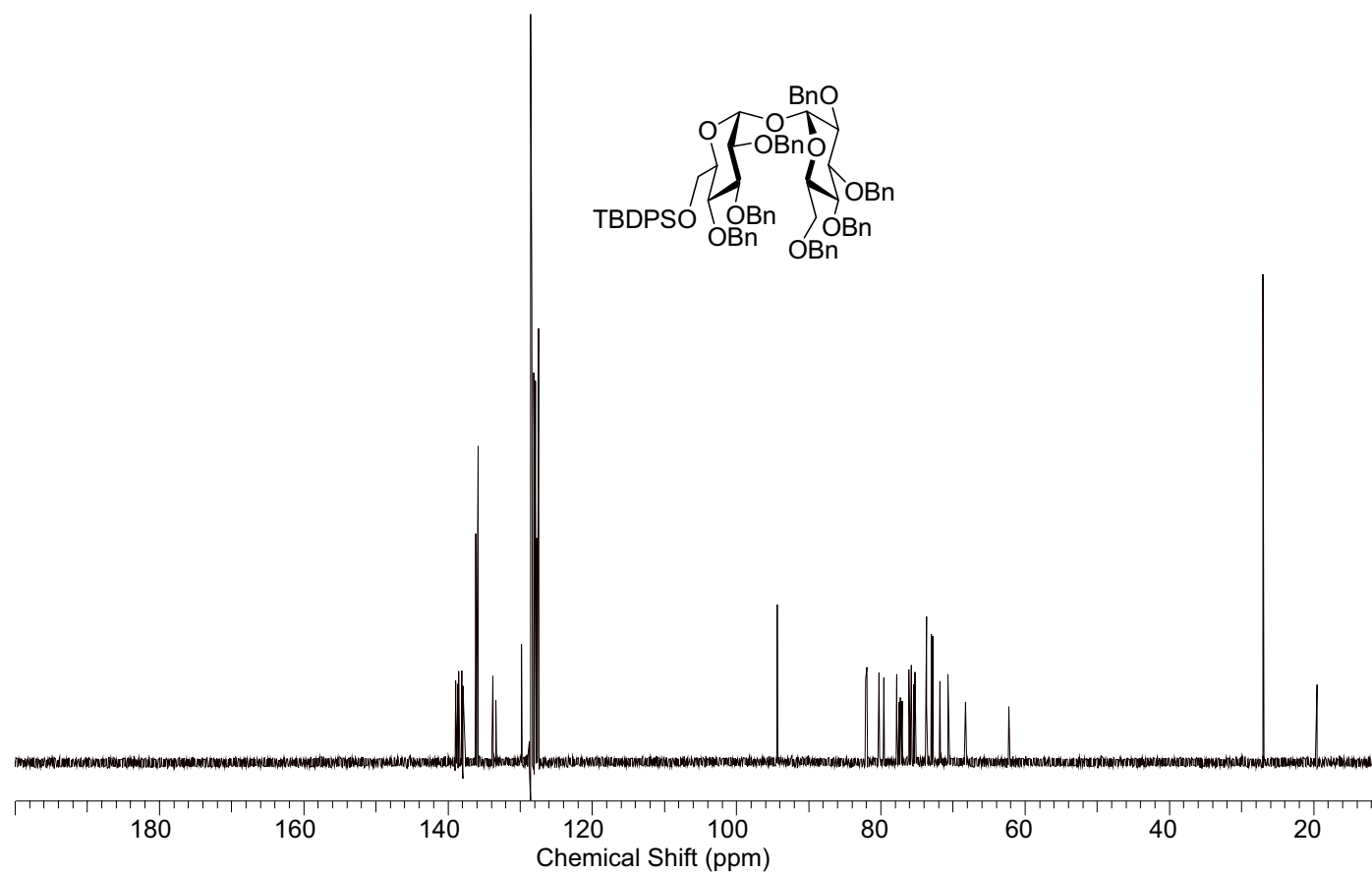
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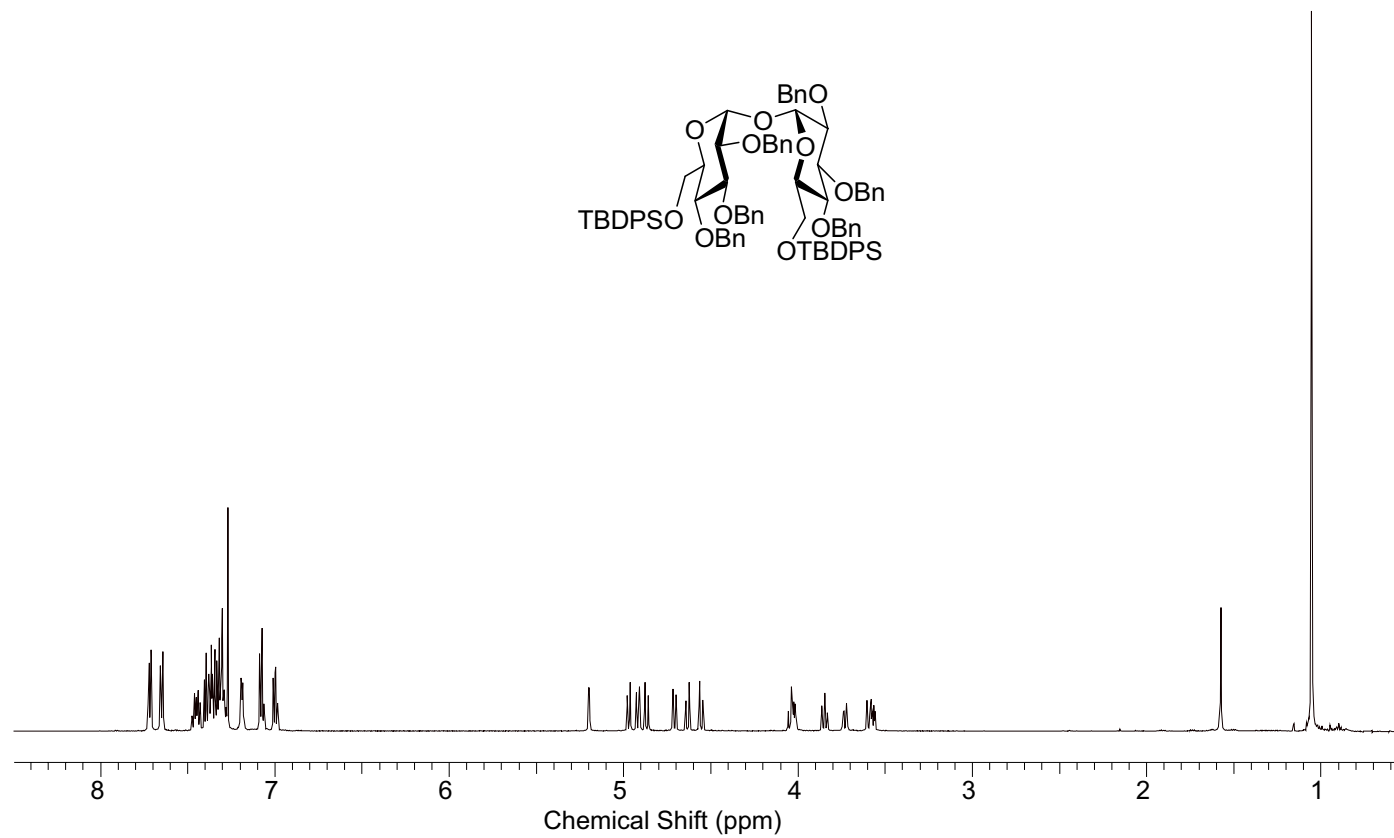
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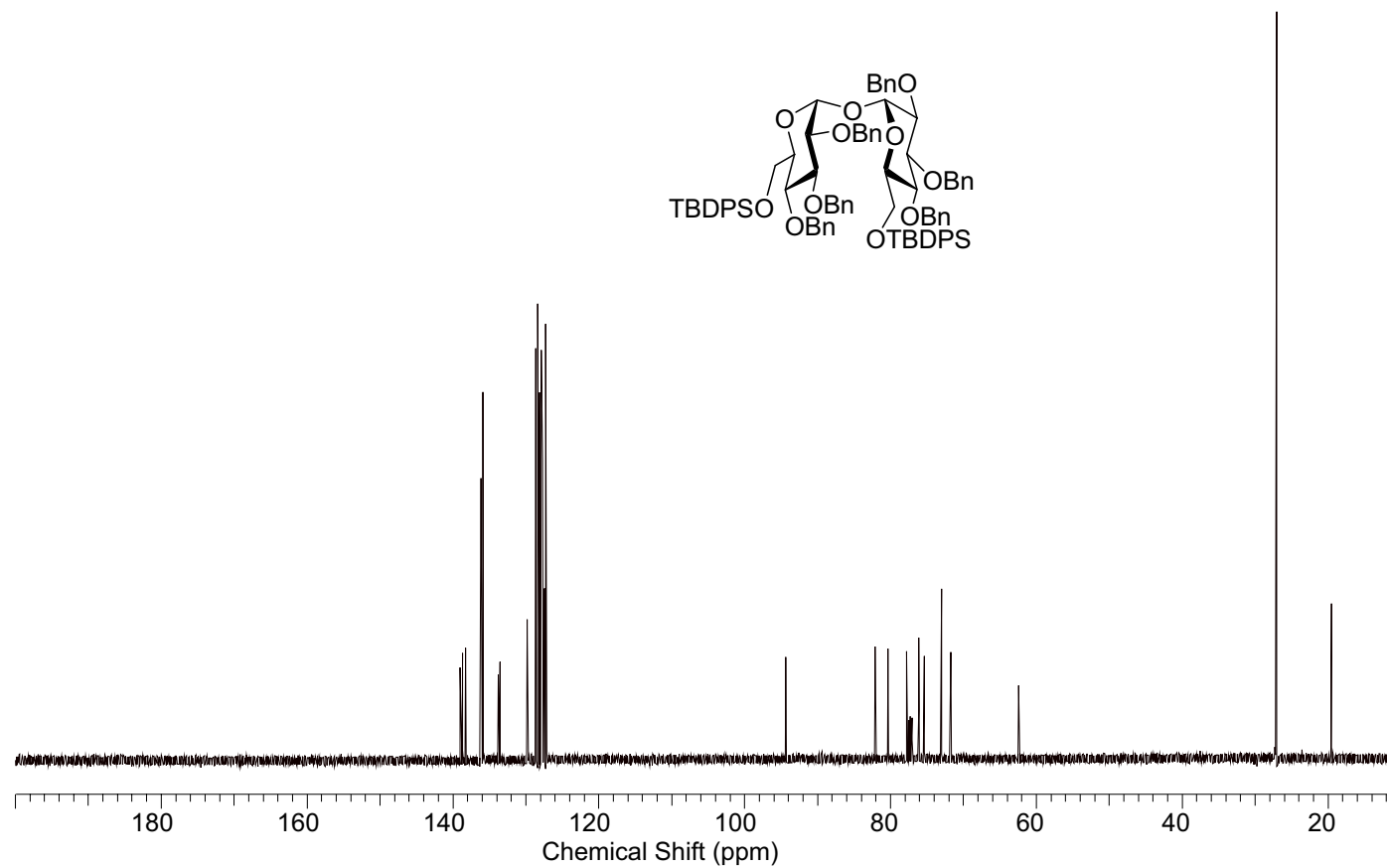
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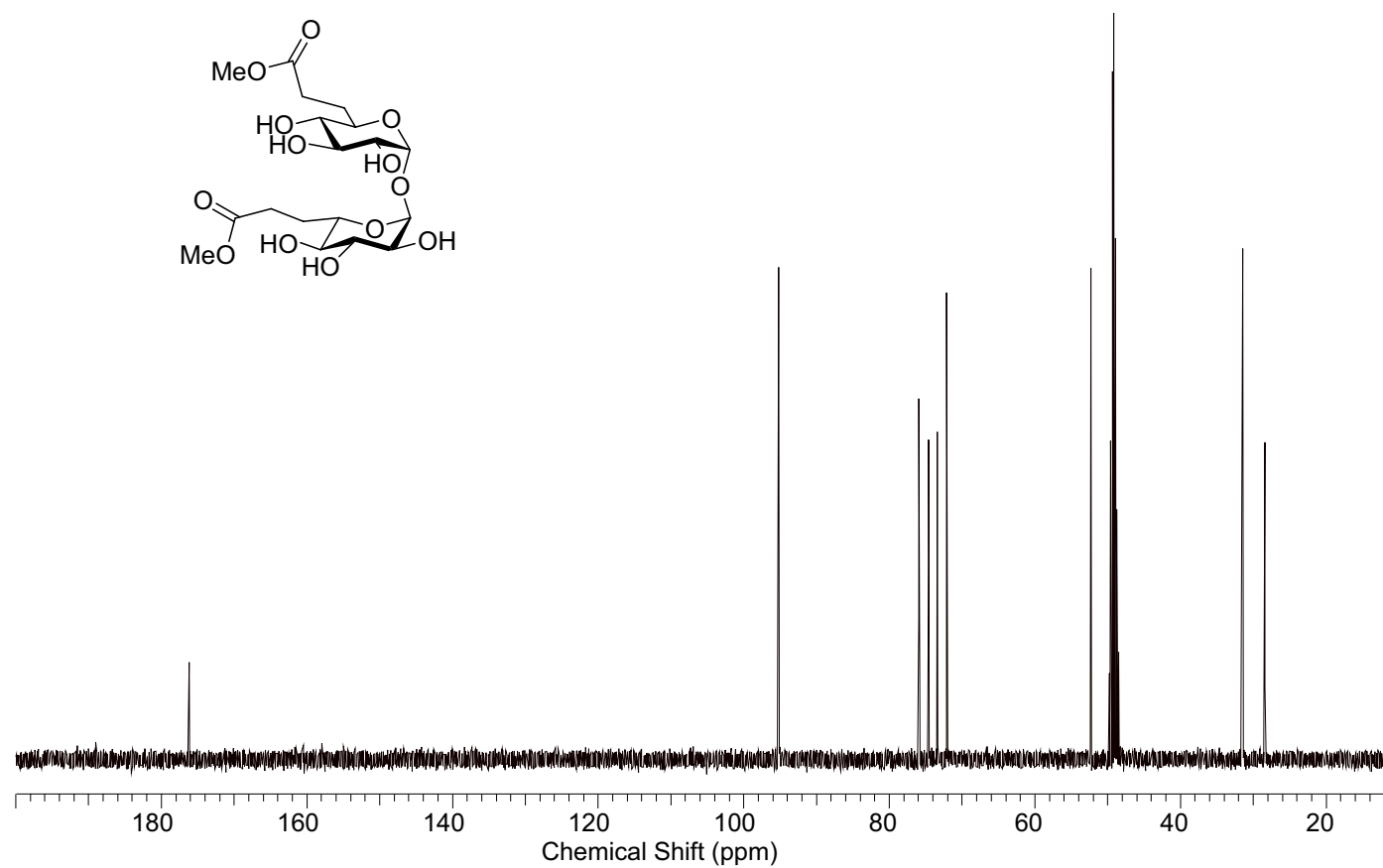


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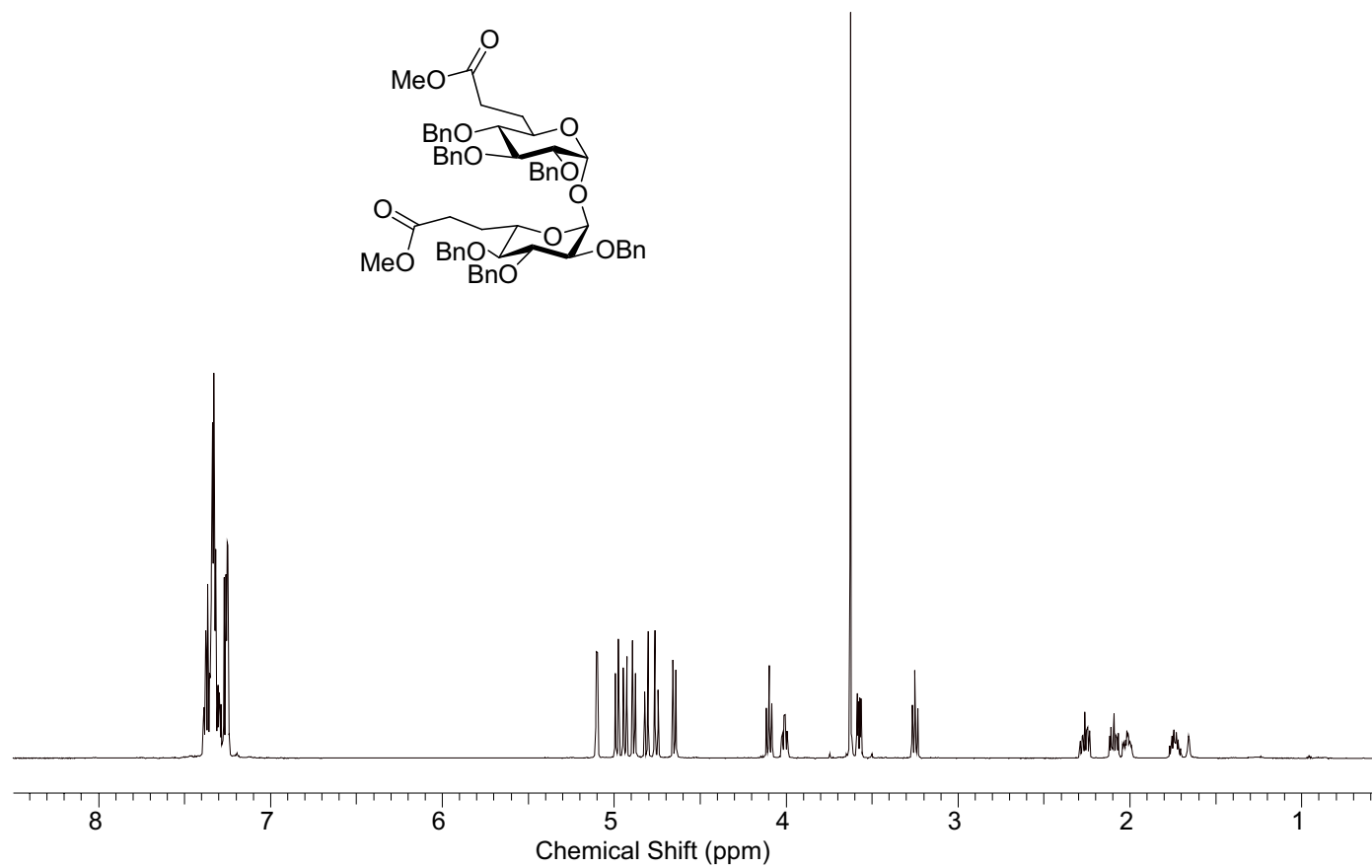




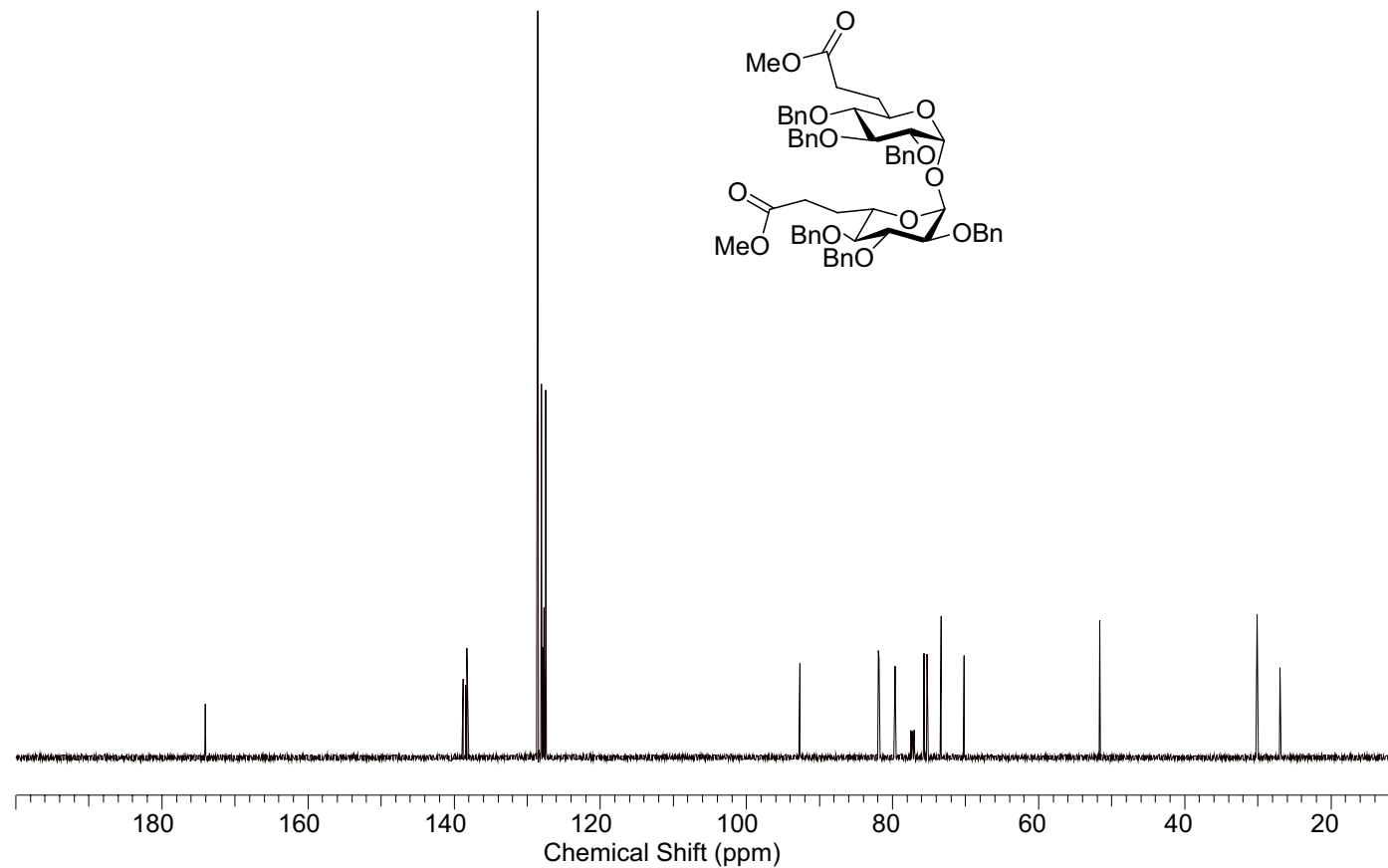
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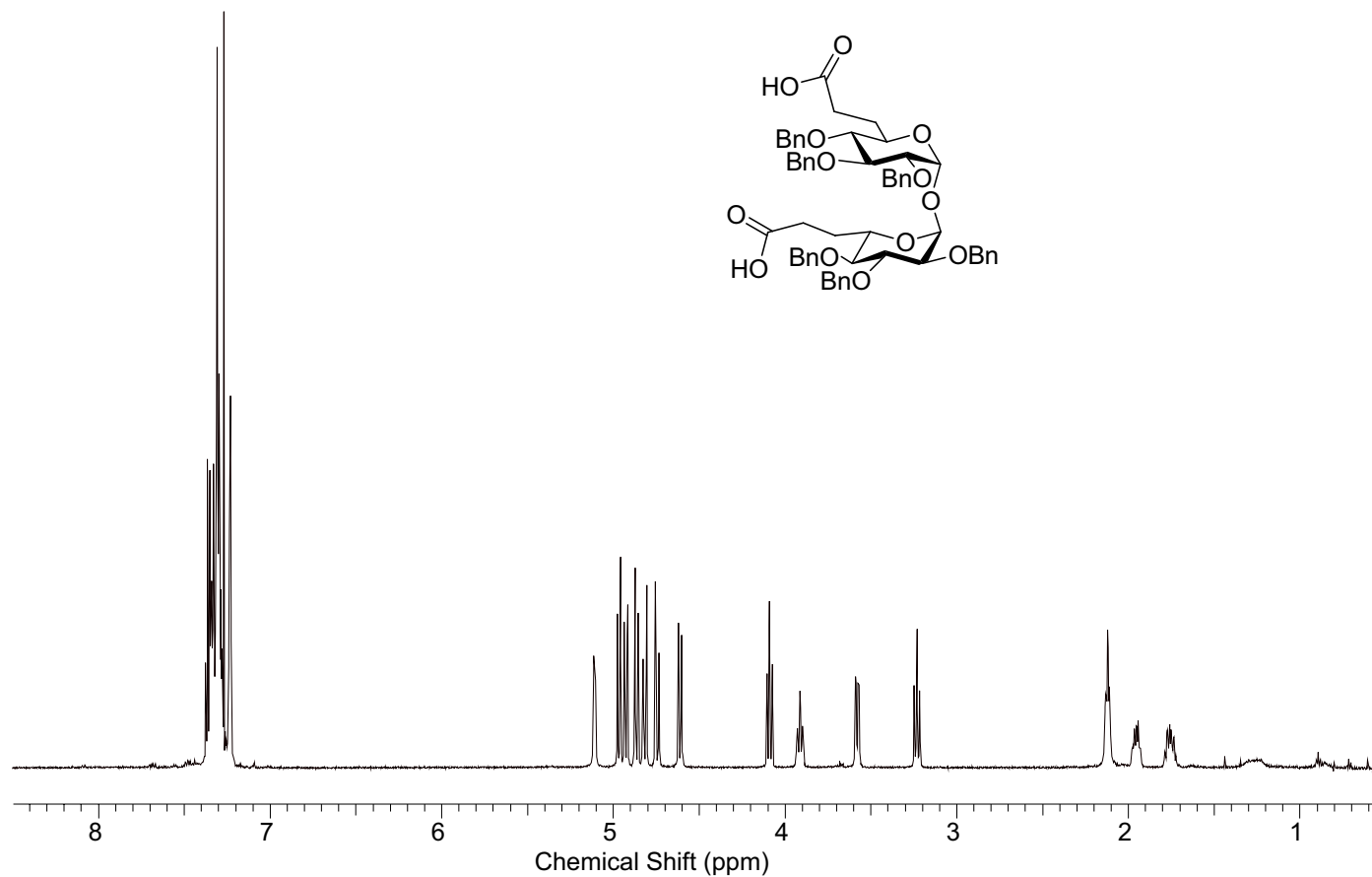
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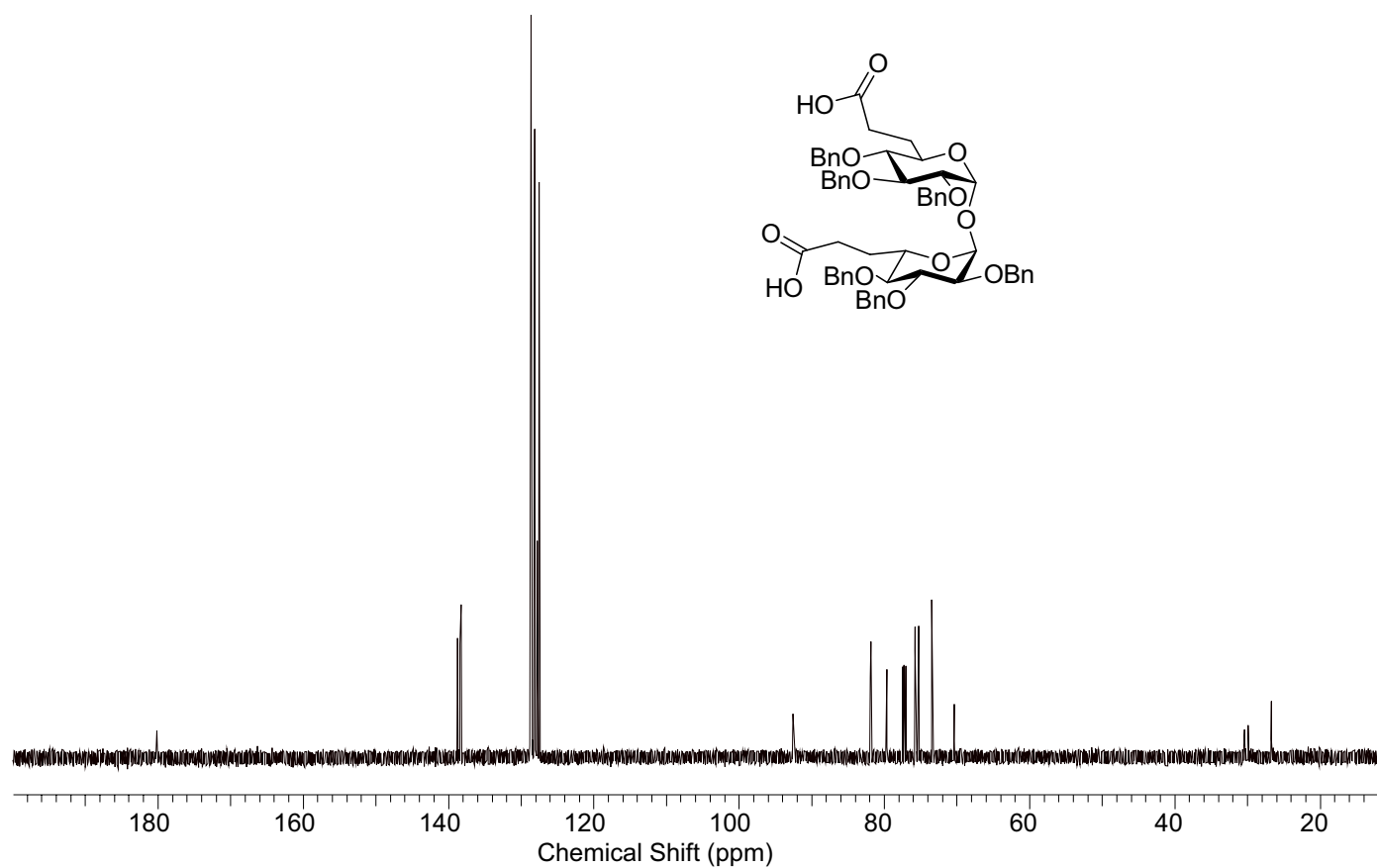
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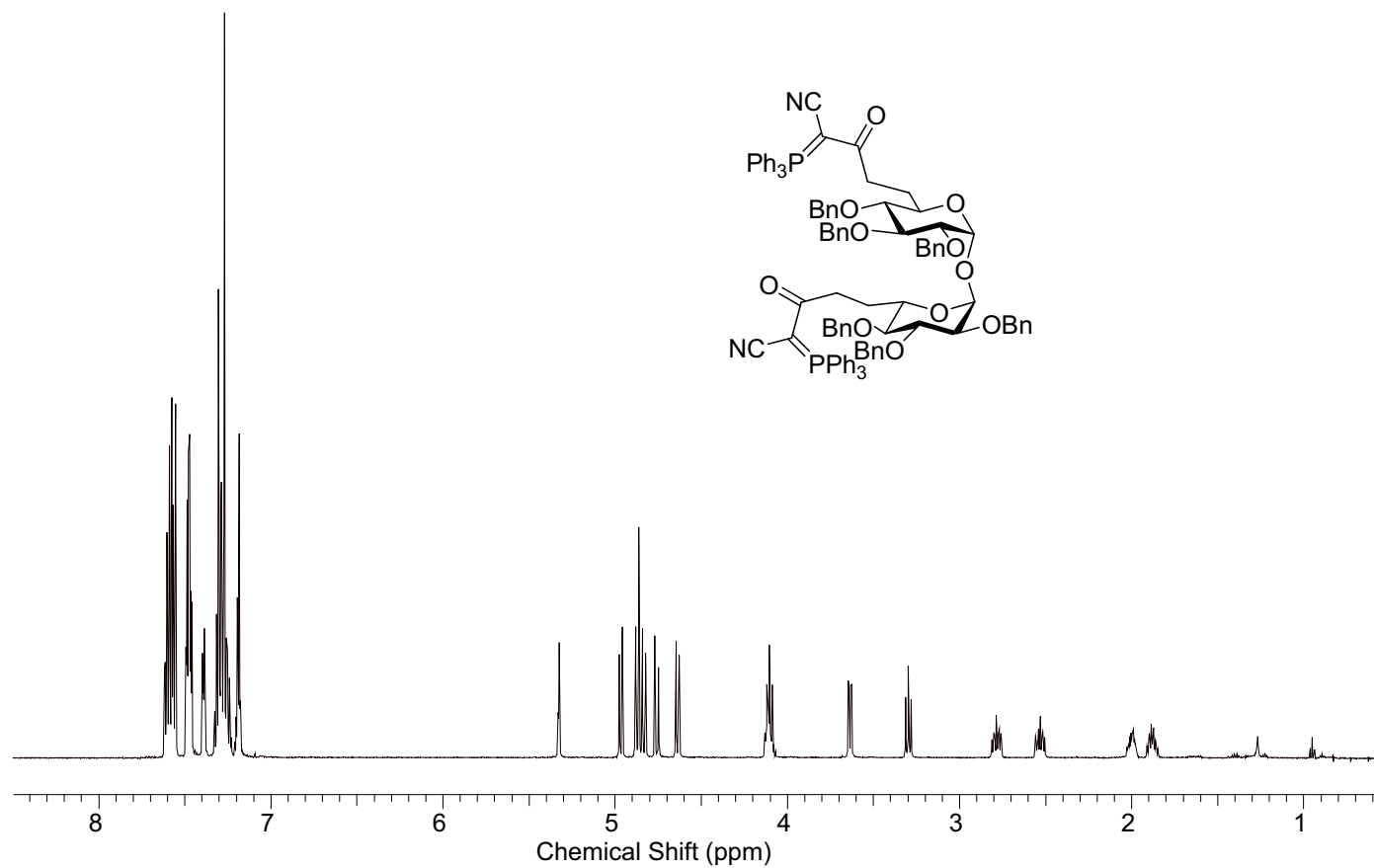
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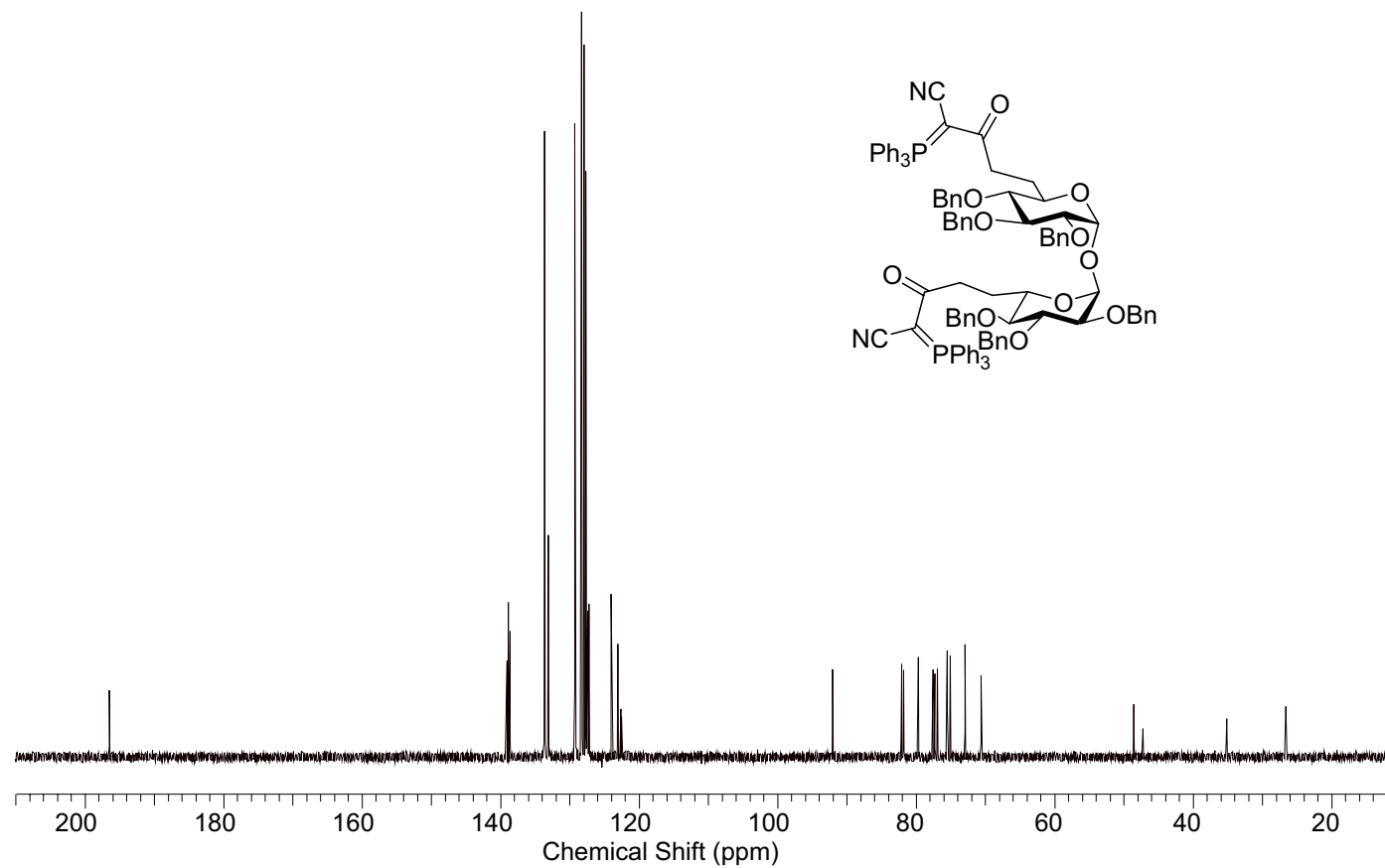
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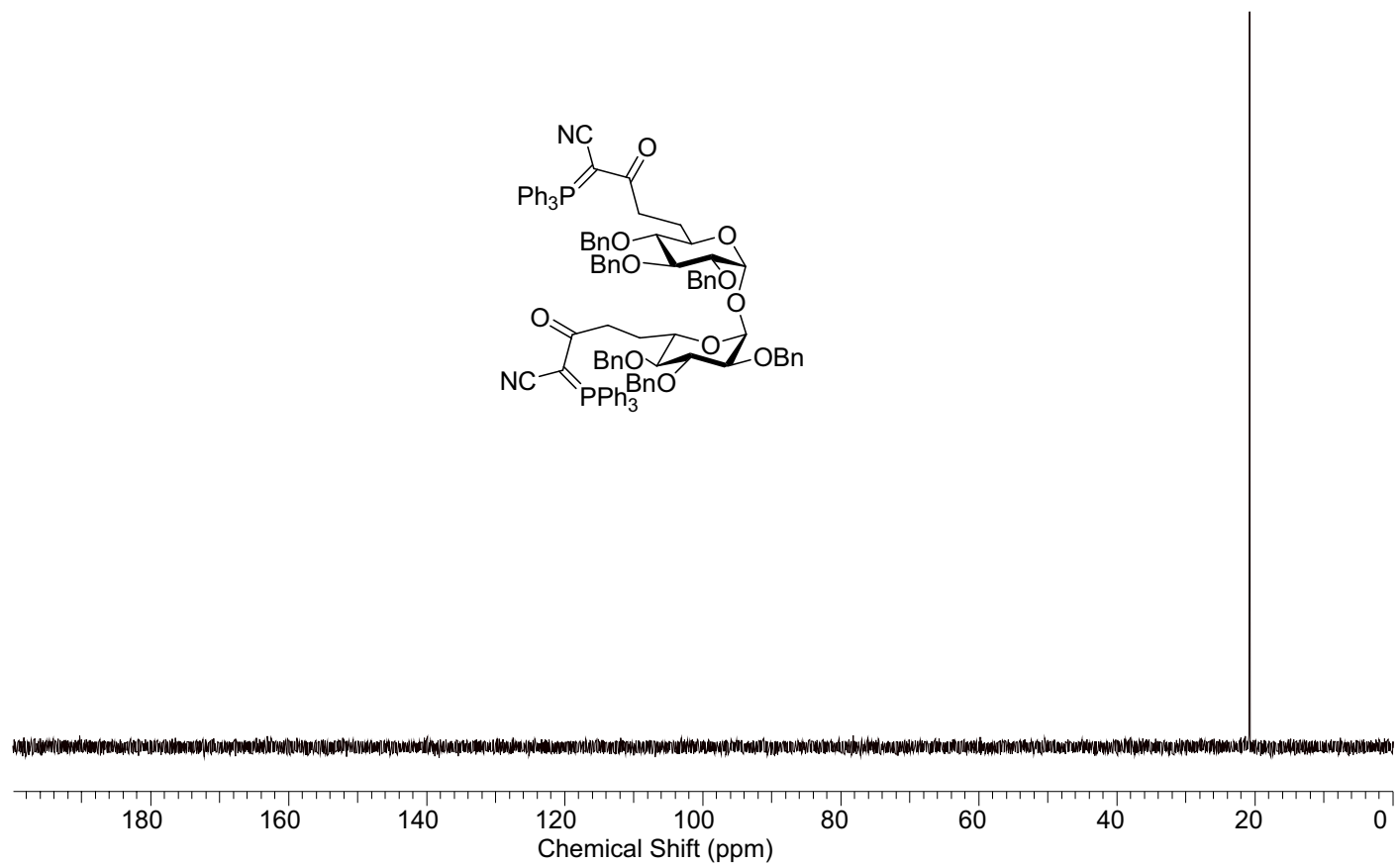
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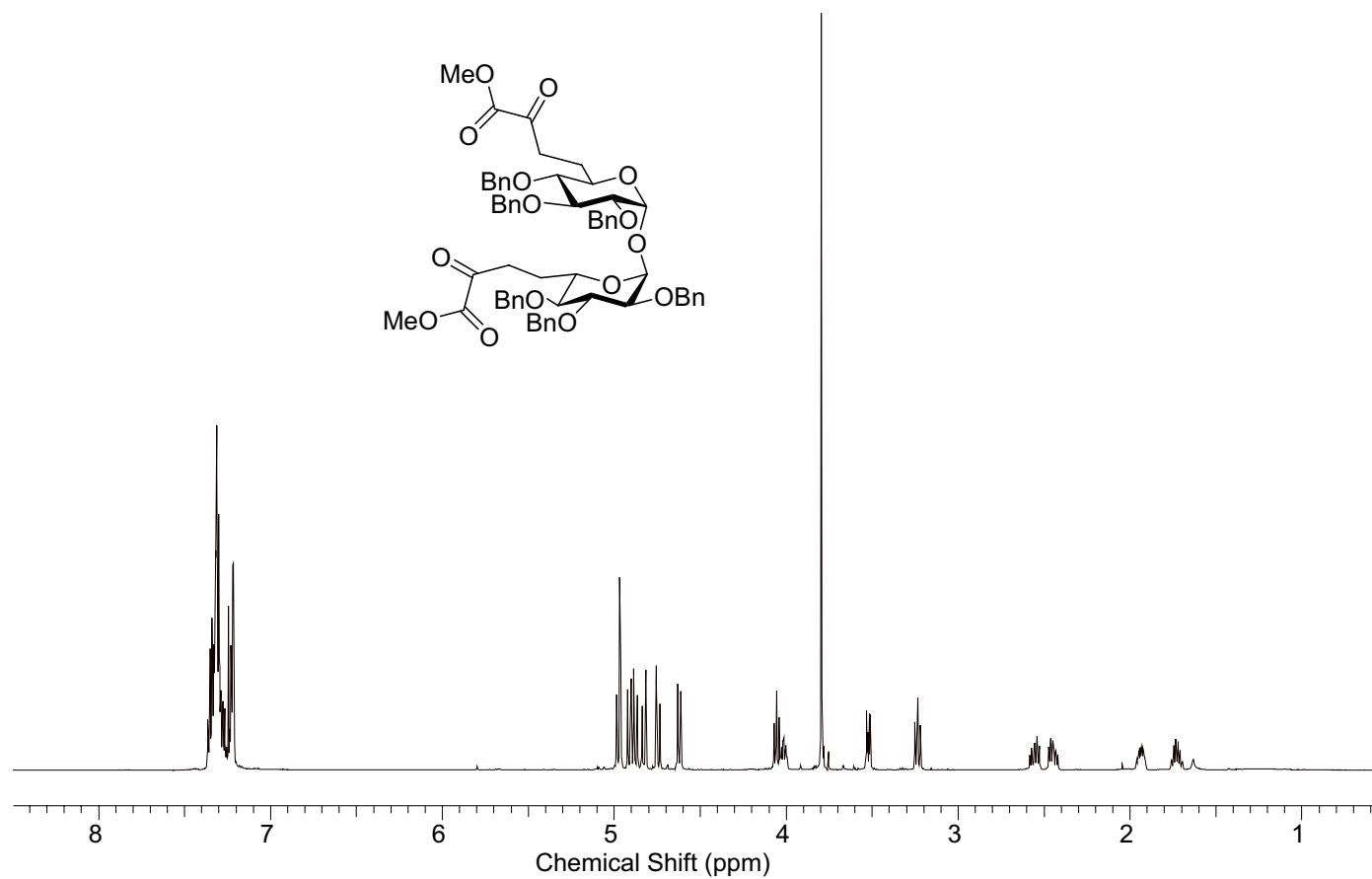
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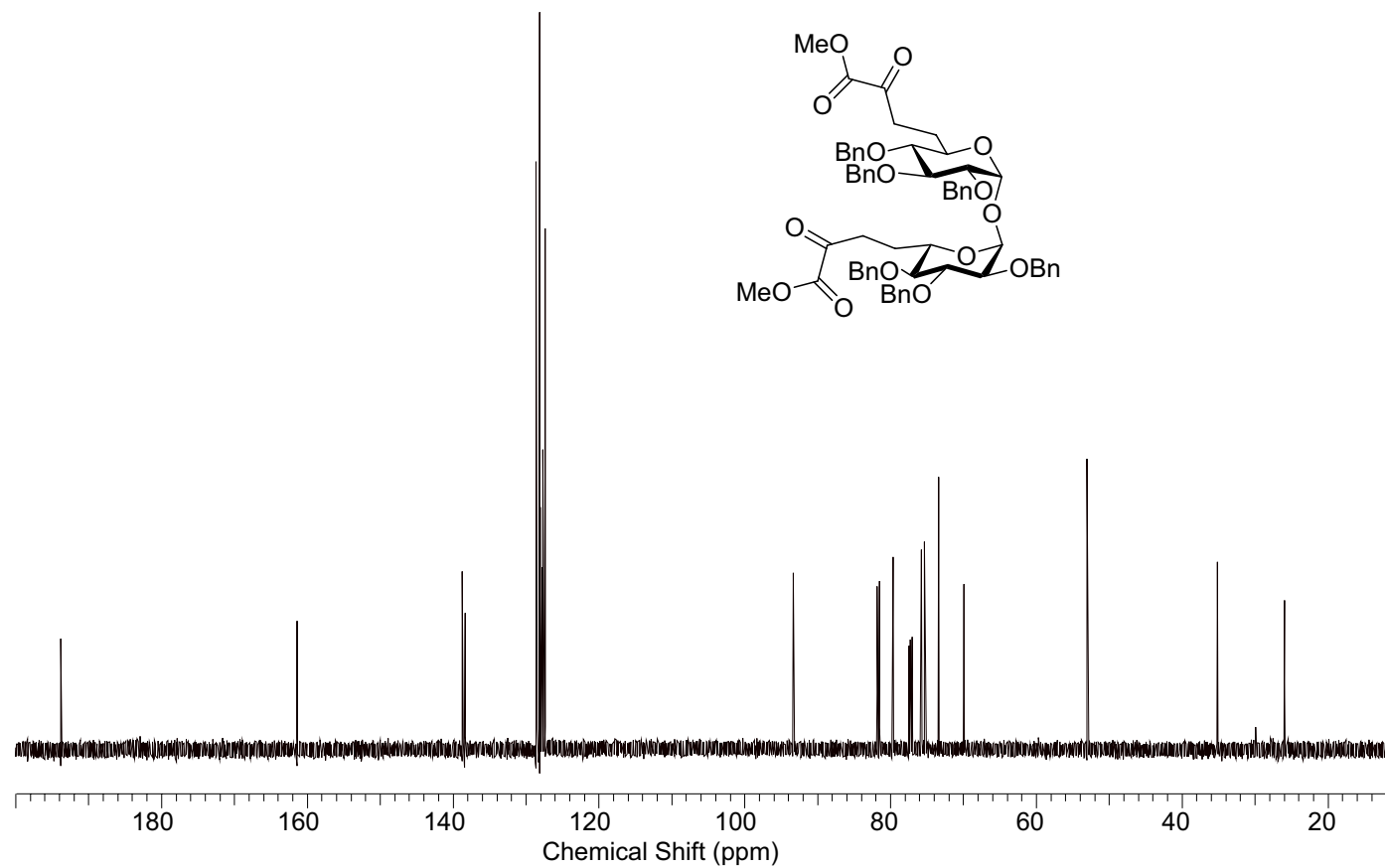
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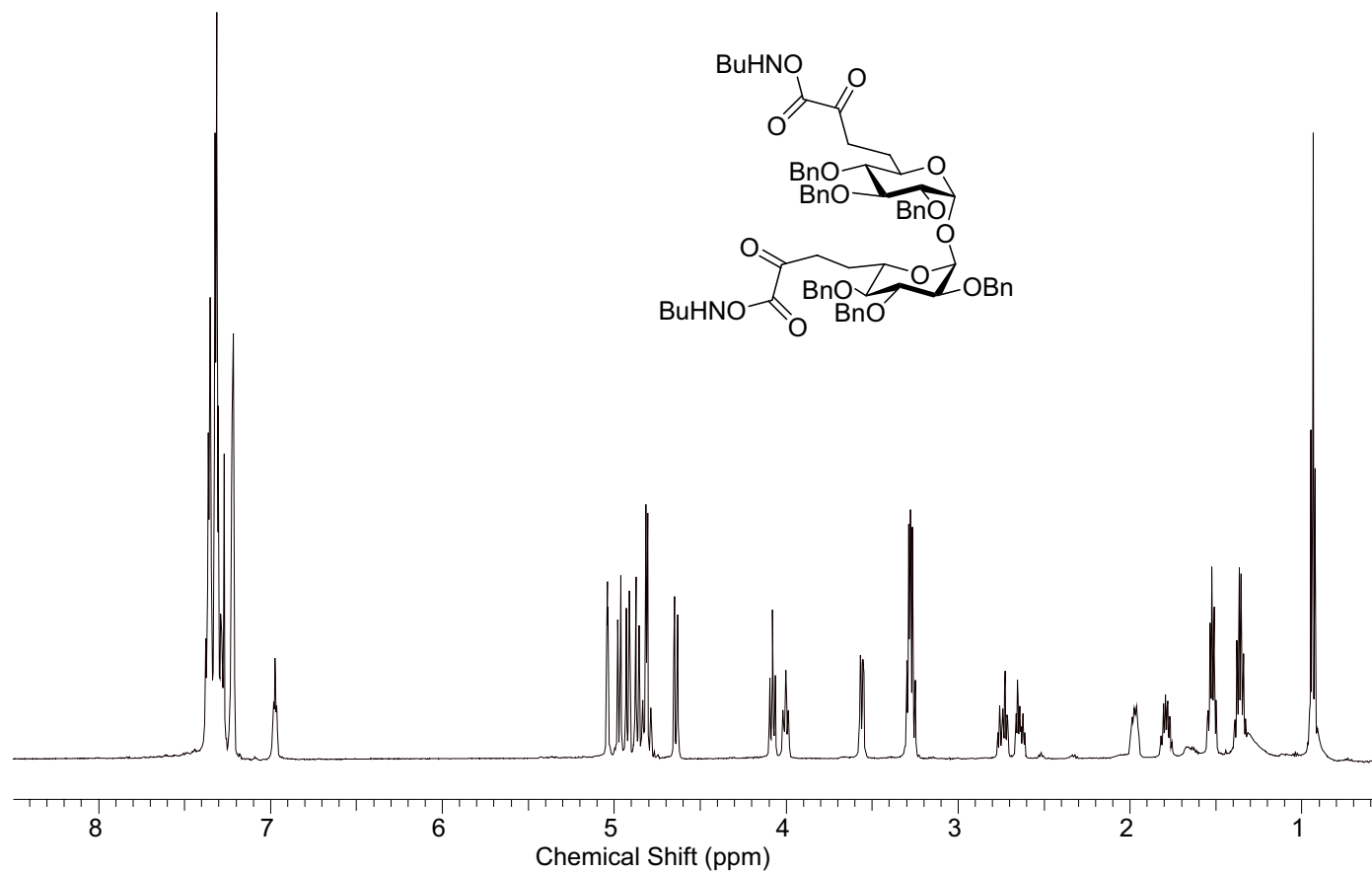
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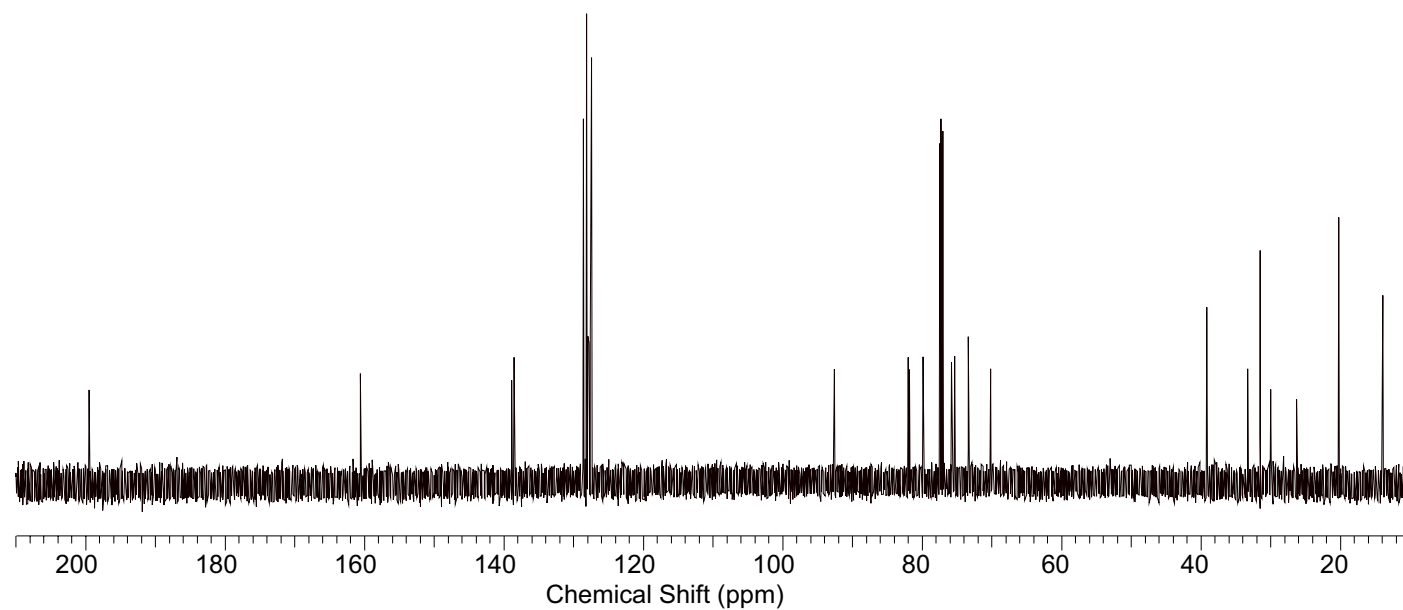
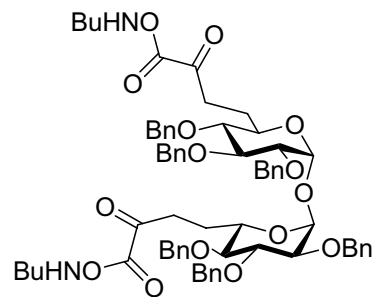
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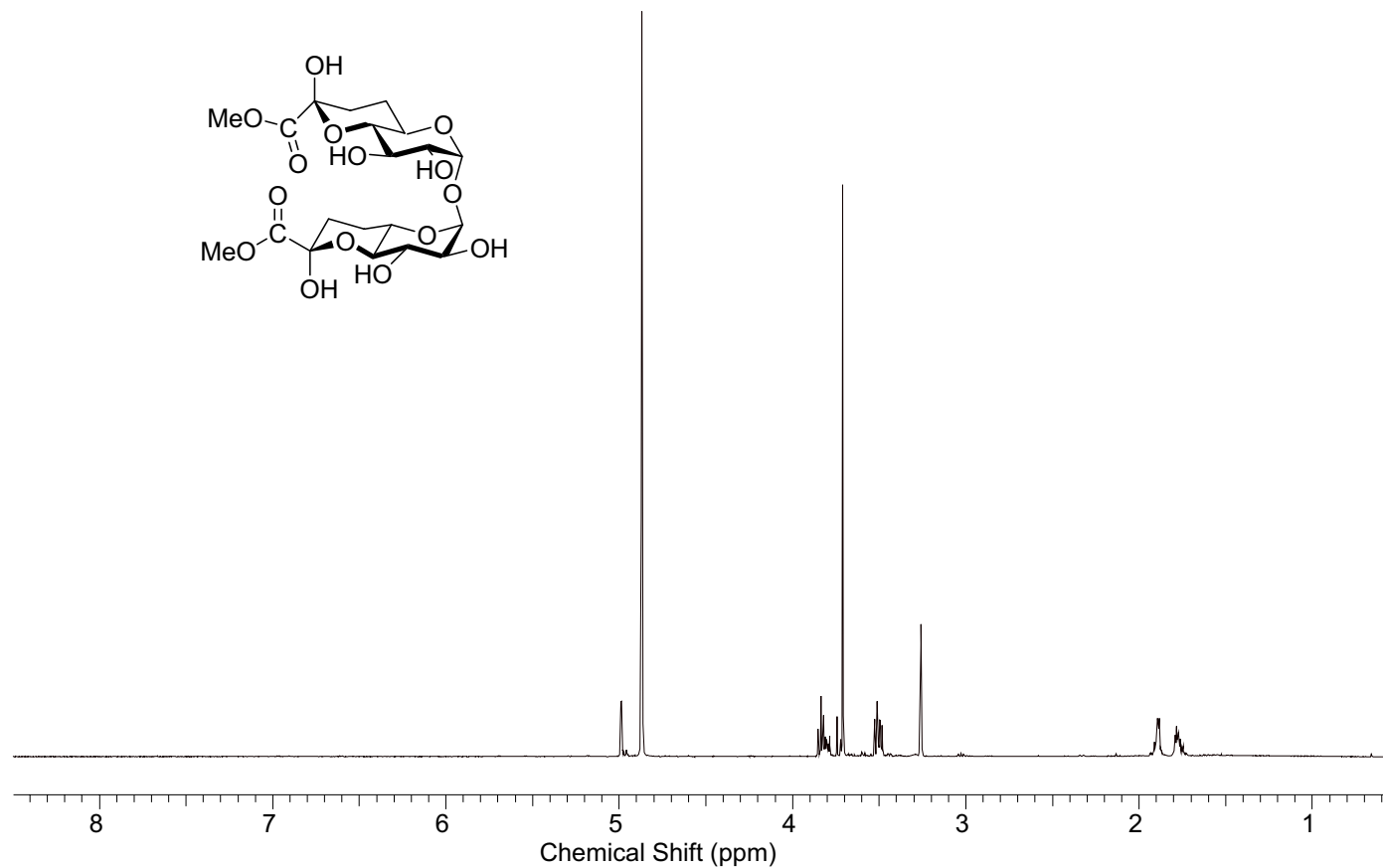
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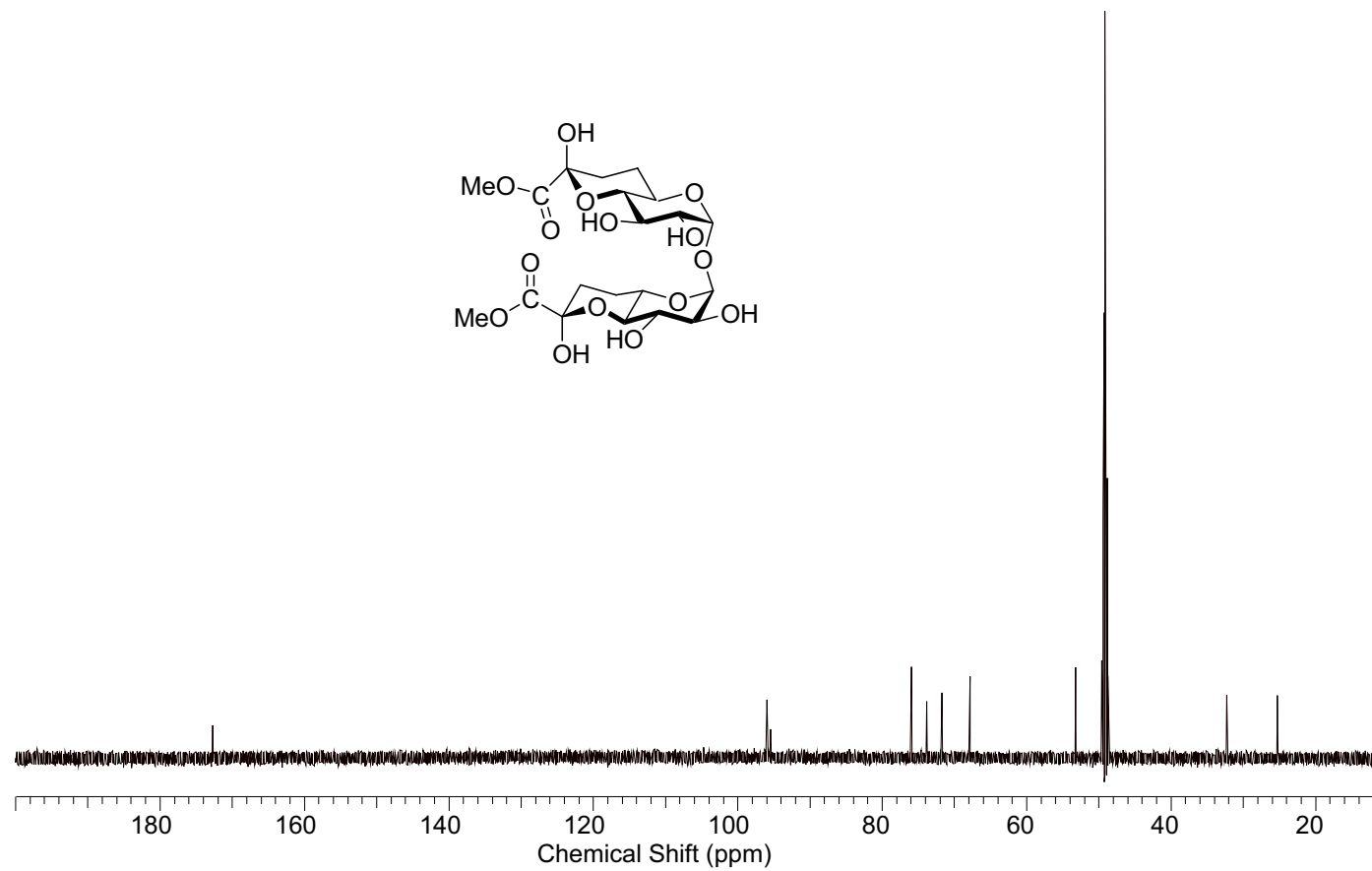
**$^{13}\text{C}$  NMR of bis(*N*-butyl-2,3,4-tri-*O*-benzyl-8-oxo- $\alpha$ -D-glucopyranosyluronamide) ether (28)**



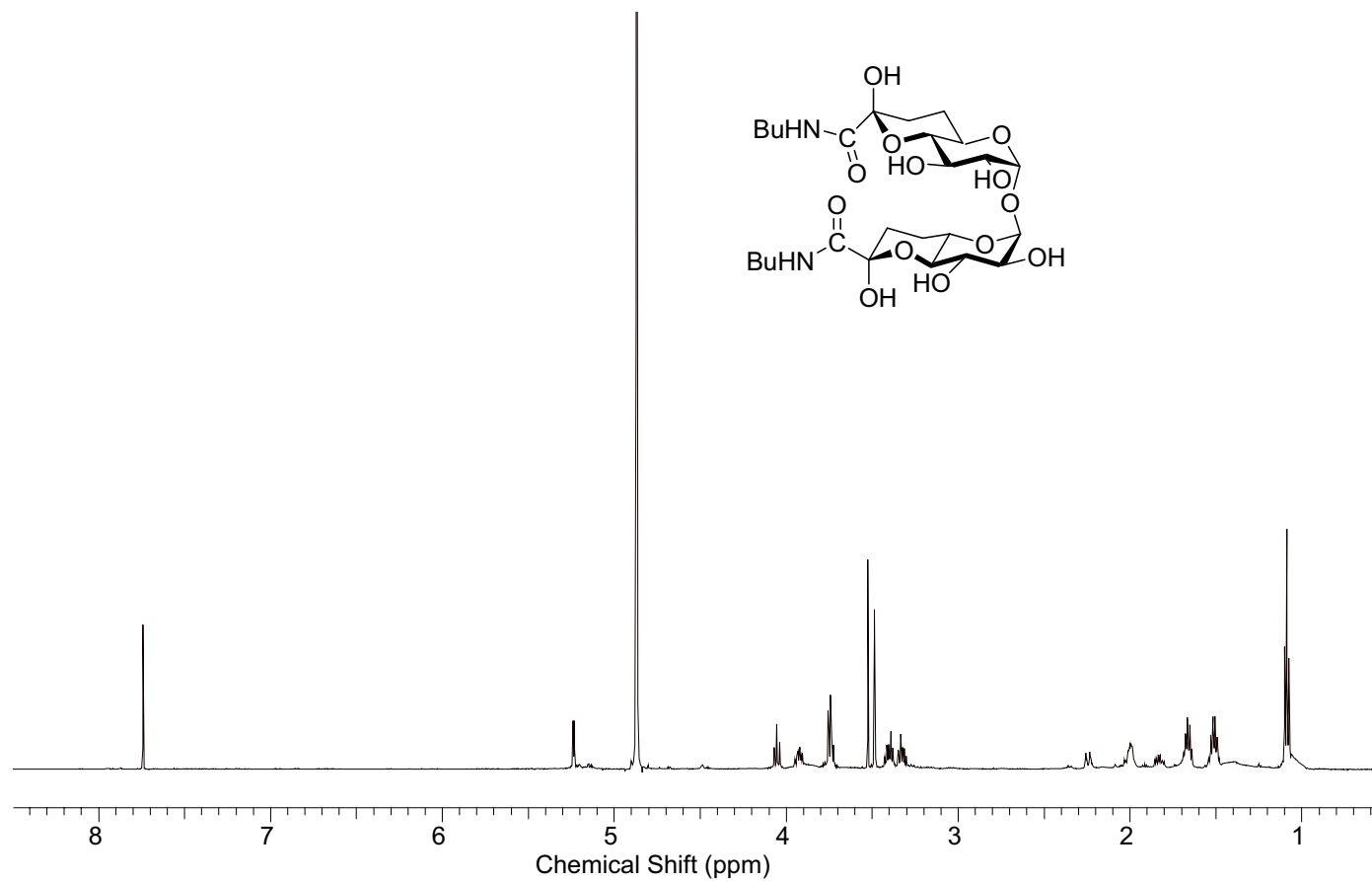
### <sup>1</sup>H NMR of trehalose-derived bicyclo-methyl ester (29)



### $^{13}\text{C}$ NMR of trehalose-derived bicyclo-methyl ester (29)



**<sup>1</sup>H NMR of trehalose-derived bicyclo-*N*-butylamide (30)**



### $^{13}\text{C}$ NMR of trehalose-derived bicyclo-*N*-butylamide (30)

