

**Total Synthesis of ( $\pm$ )-Phomactin B2 via an Intramolecular Cyclohexadienone  
Annulation of a Chromium Carbene Complex.**

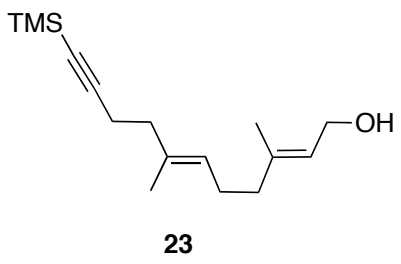
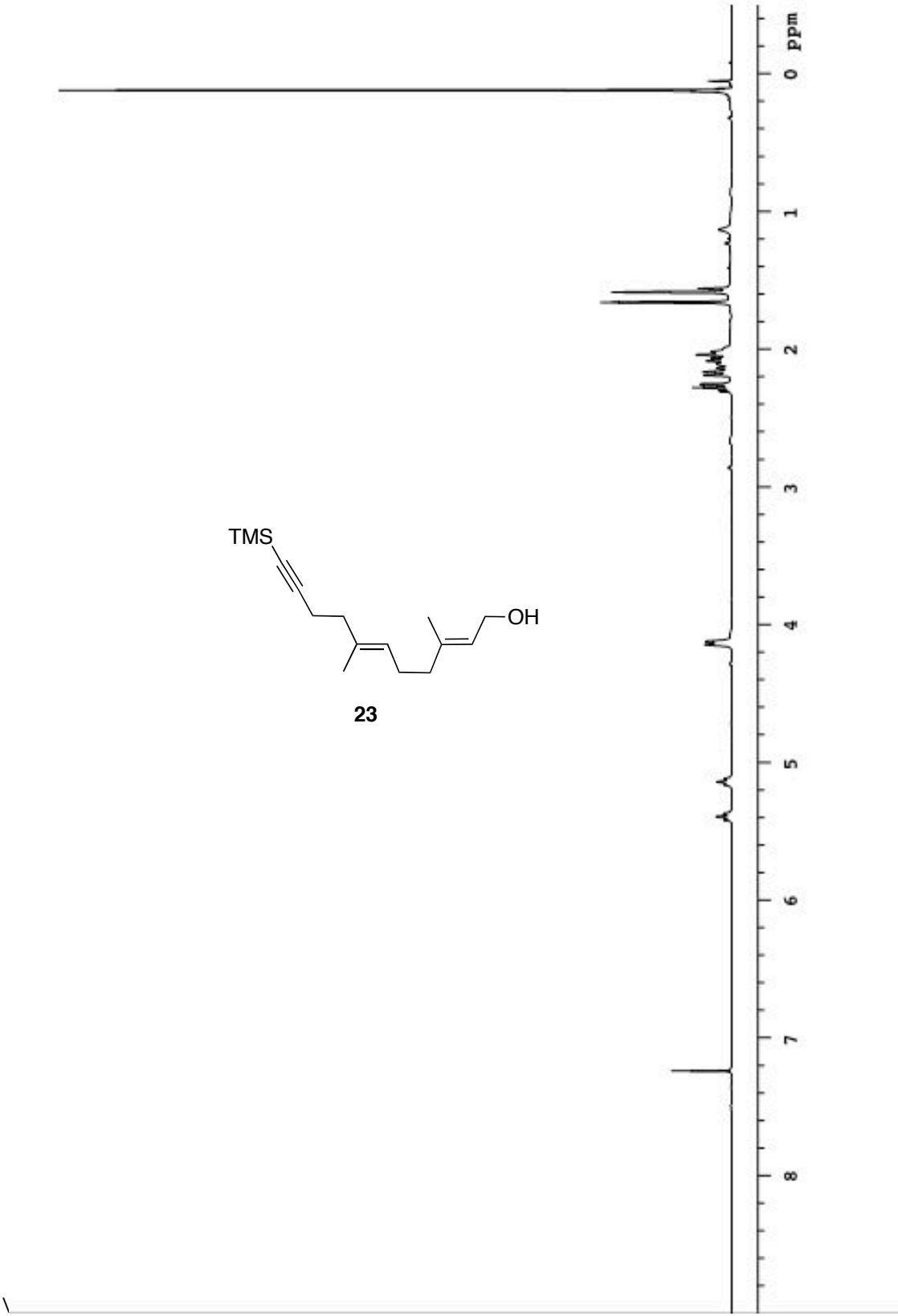
Jie Huang, Chunrui Wu and William D. Wulff\*

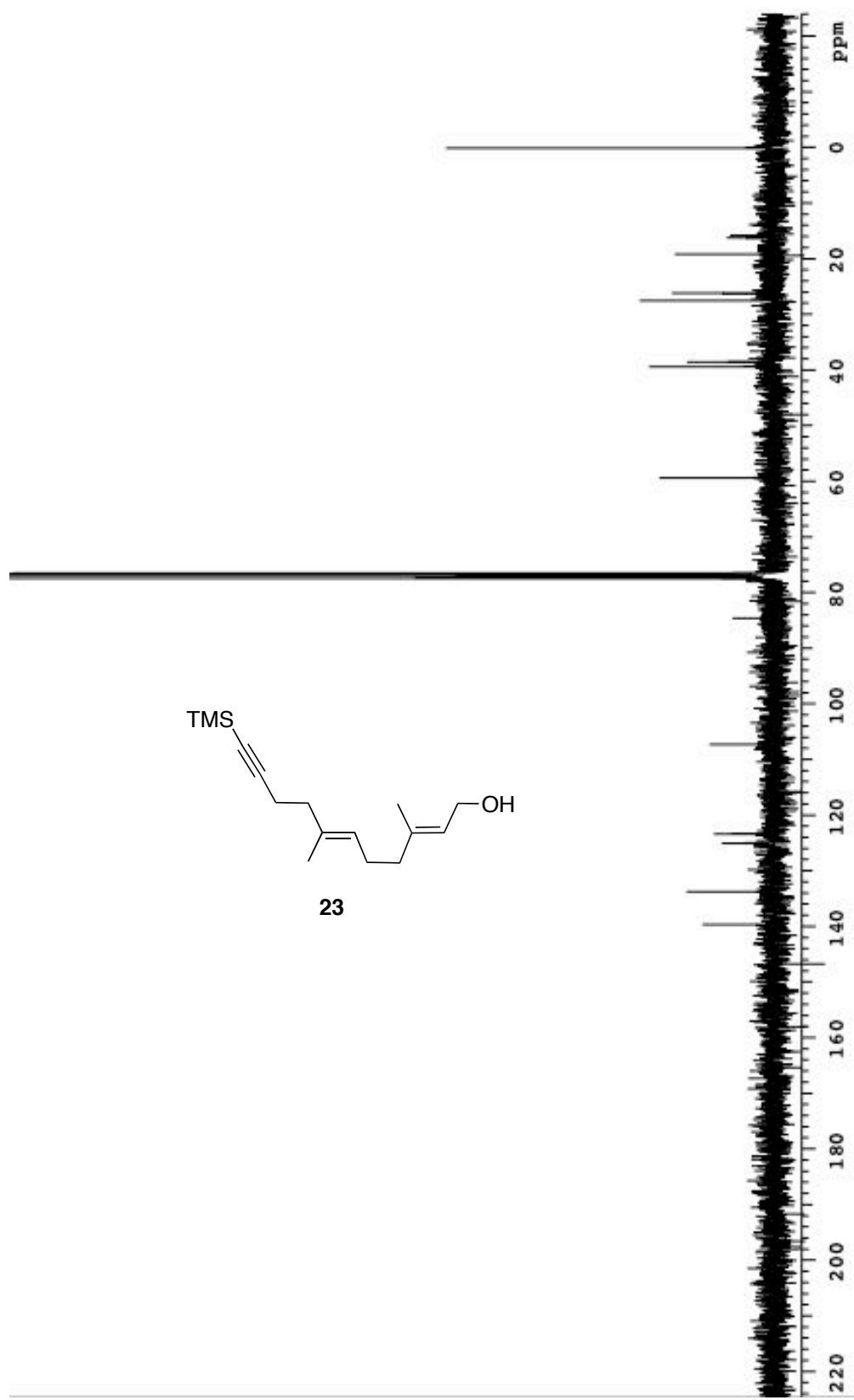
Department of Chemistry, Michigan State University, East Lansing MI 48824

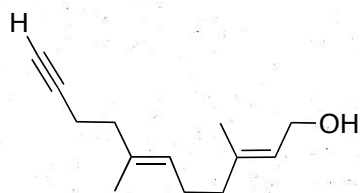
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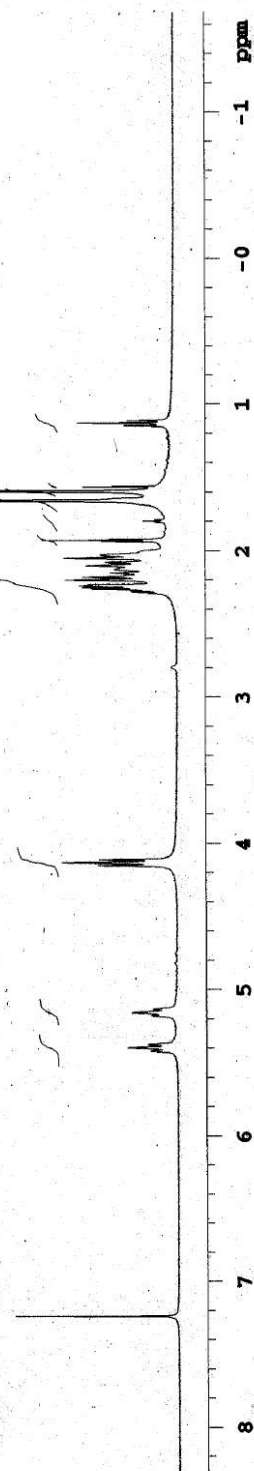
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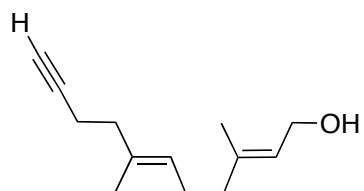




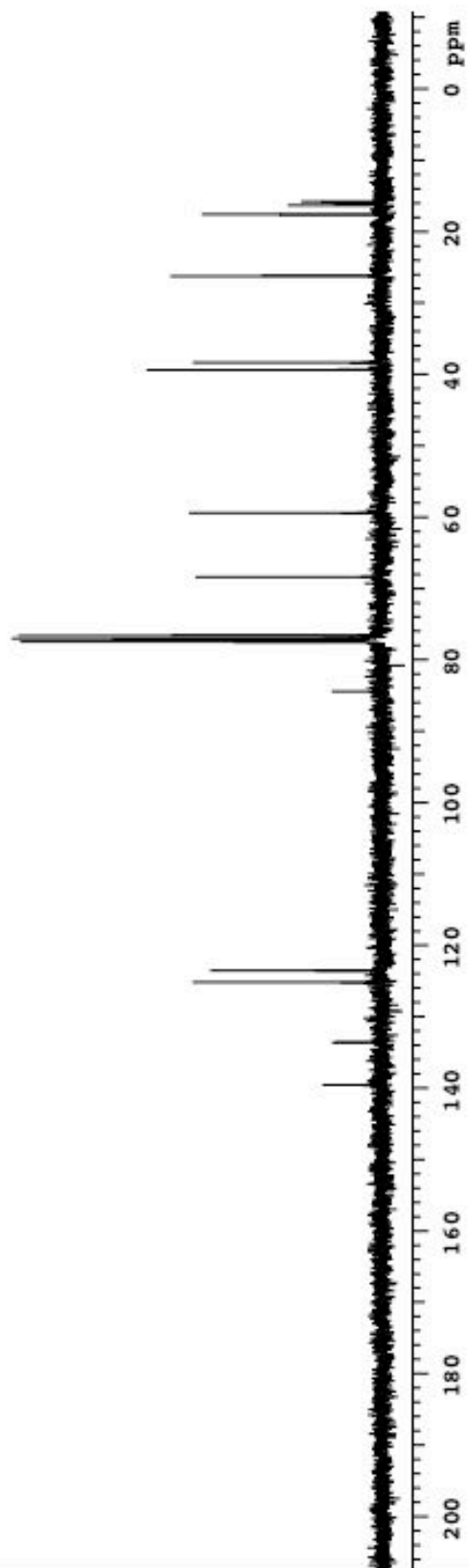


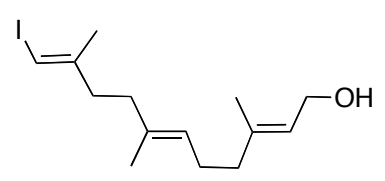
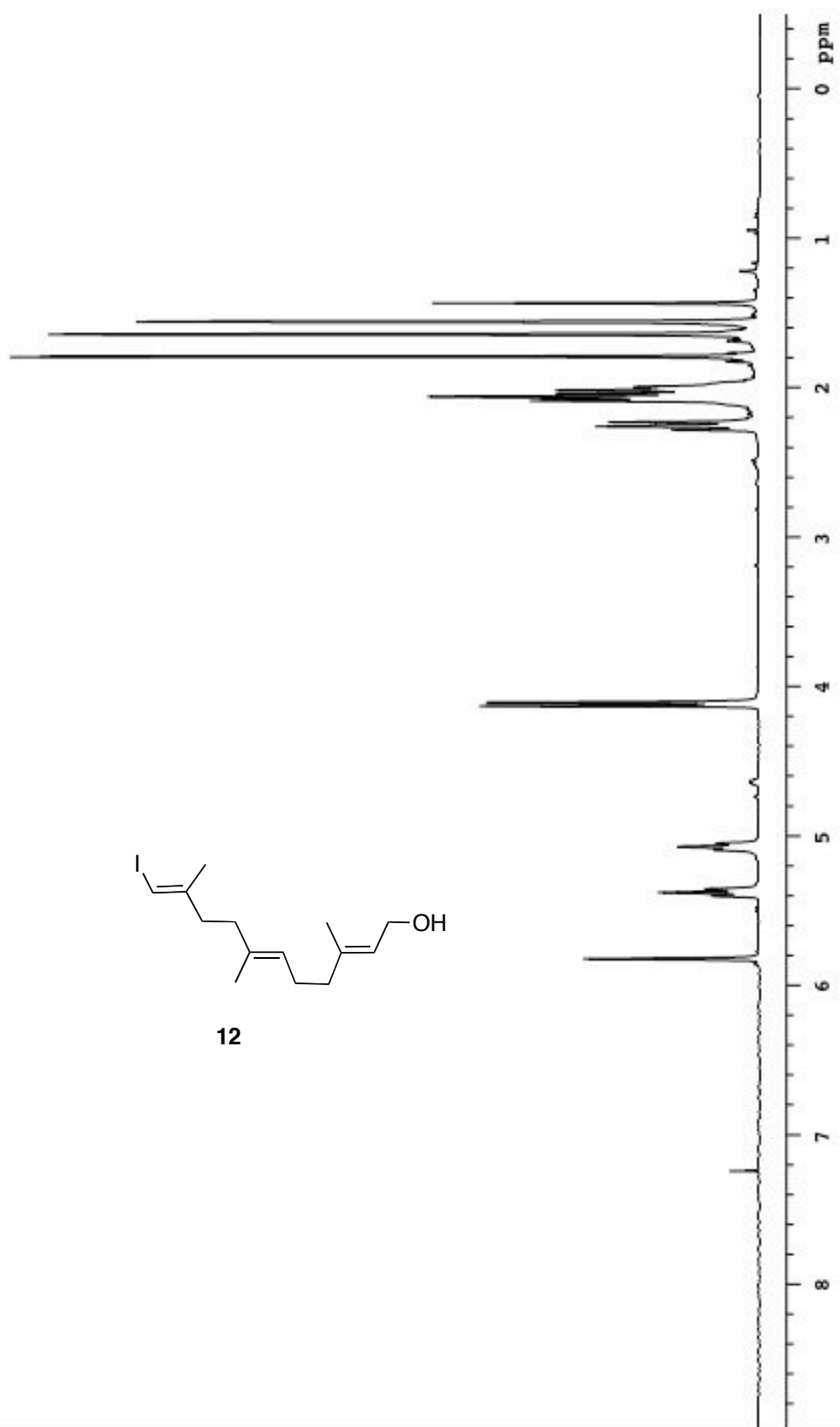
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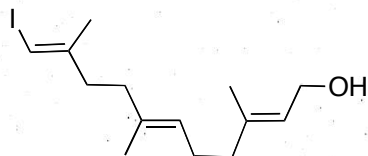
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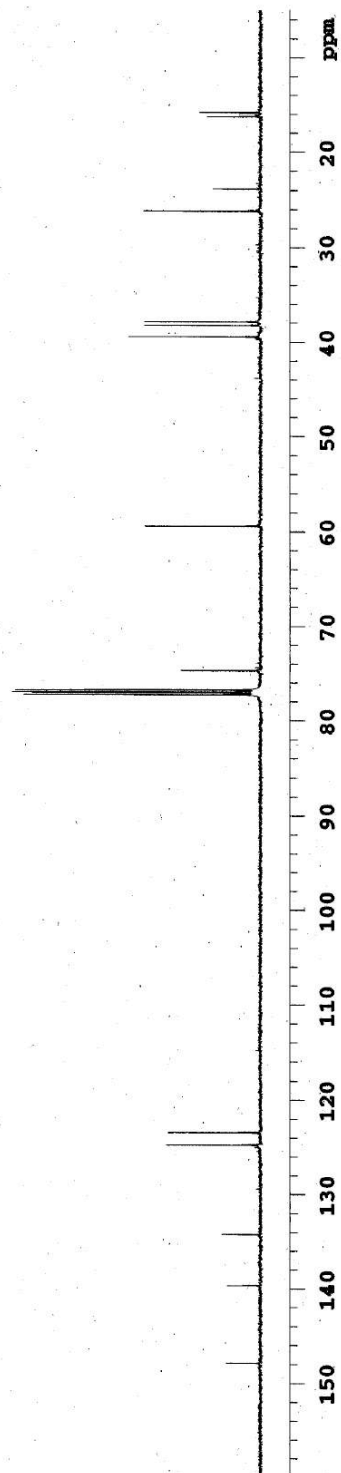


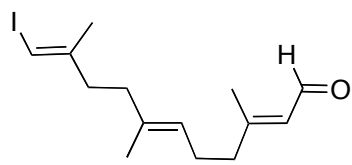
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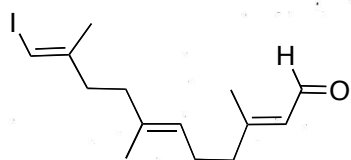
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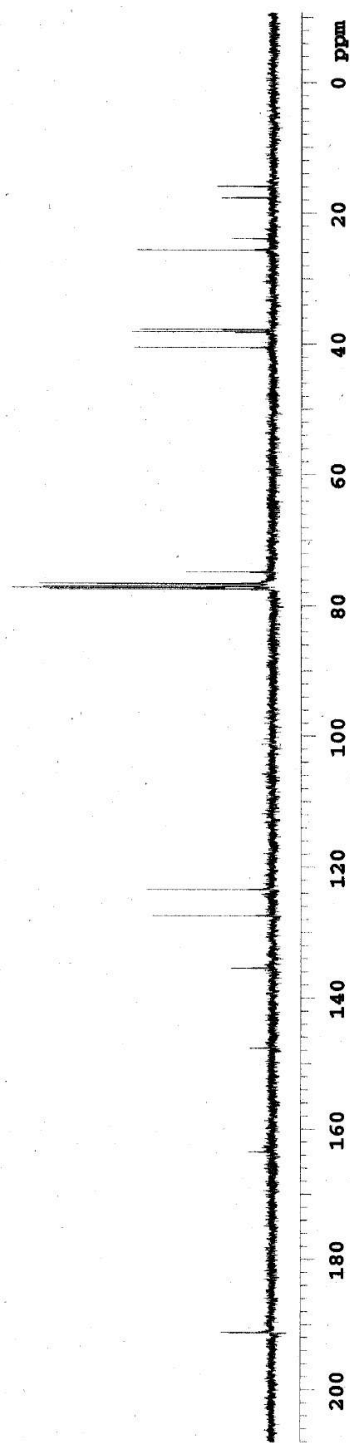


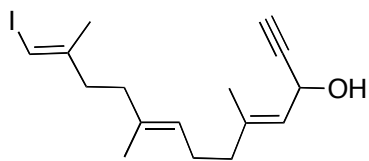
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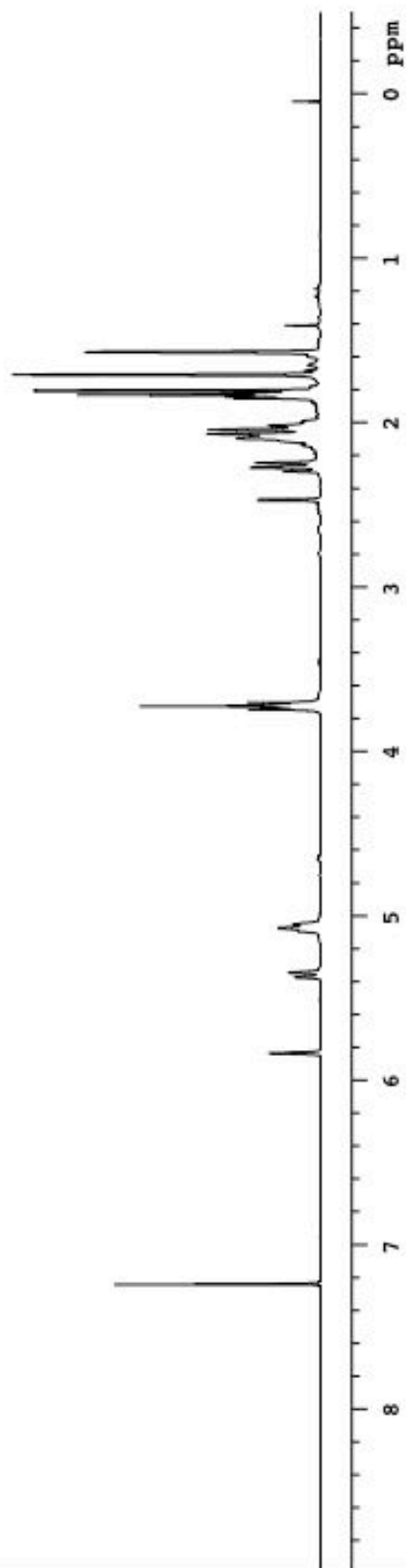


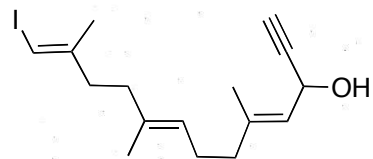
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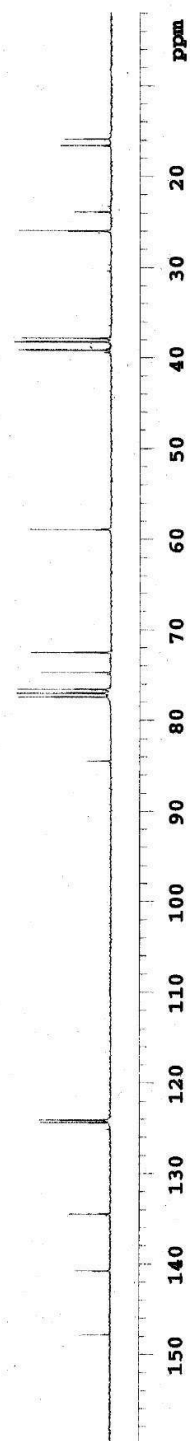


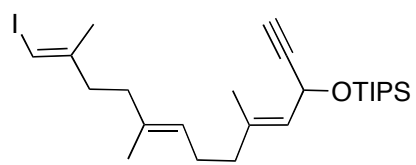
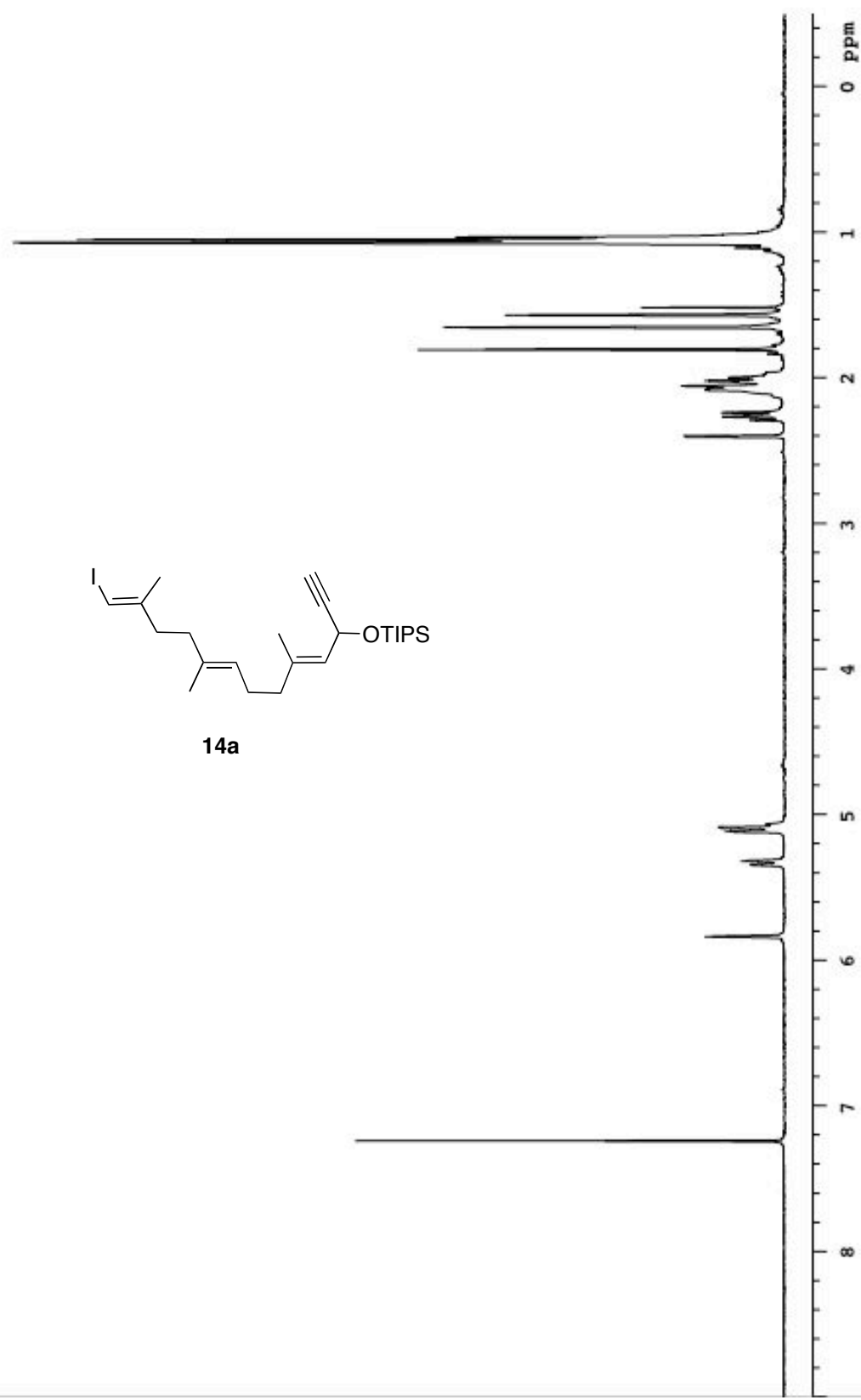
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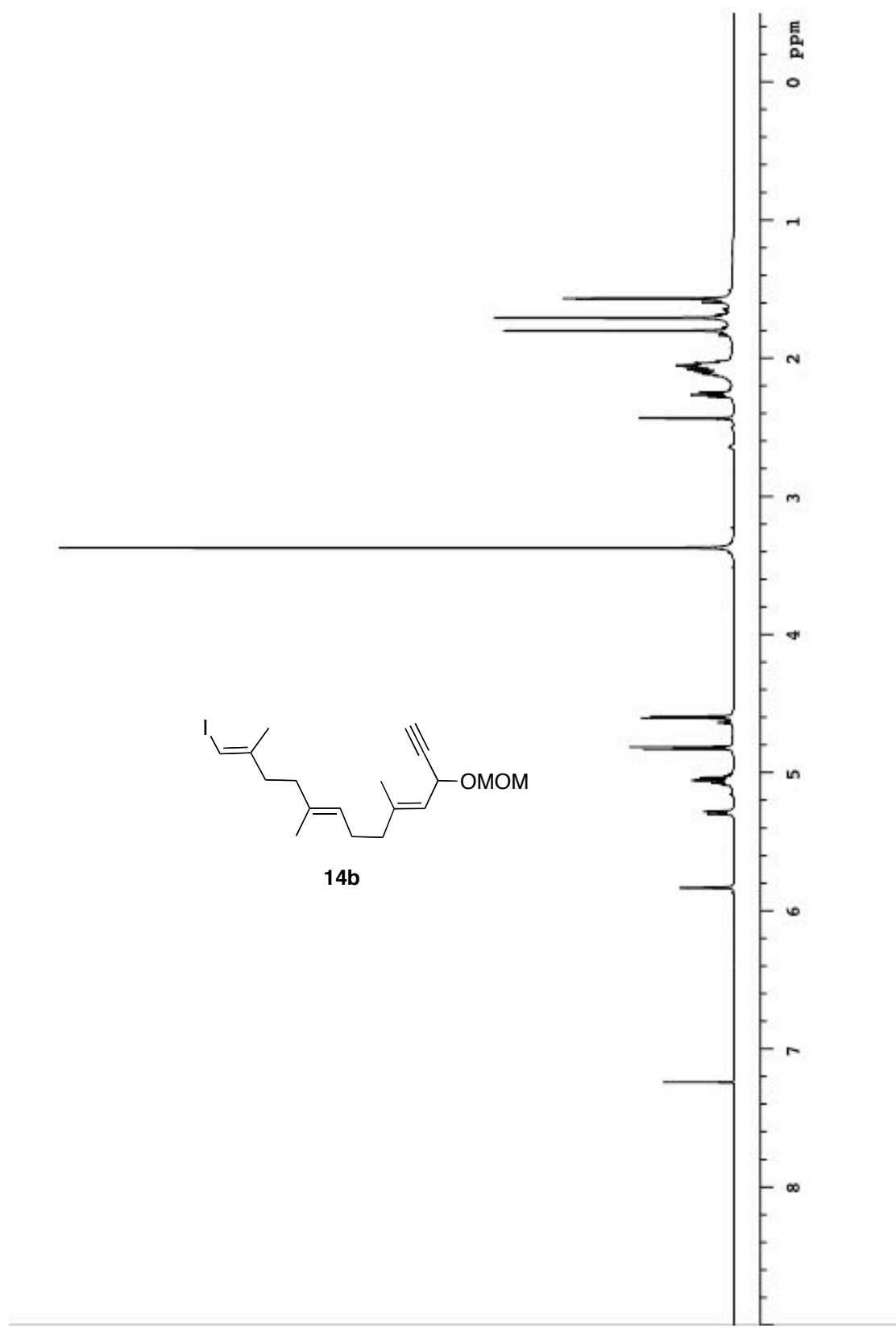
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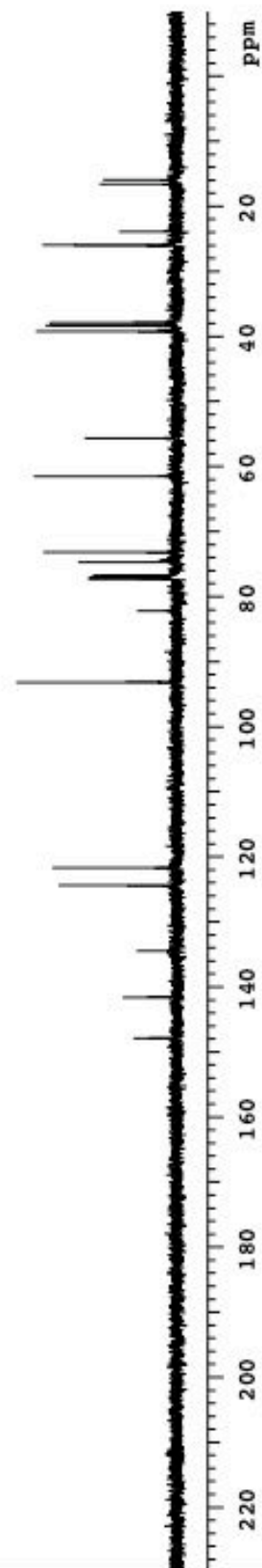
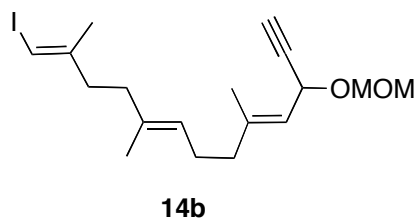


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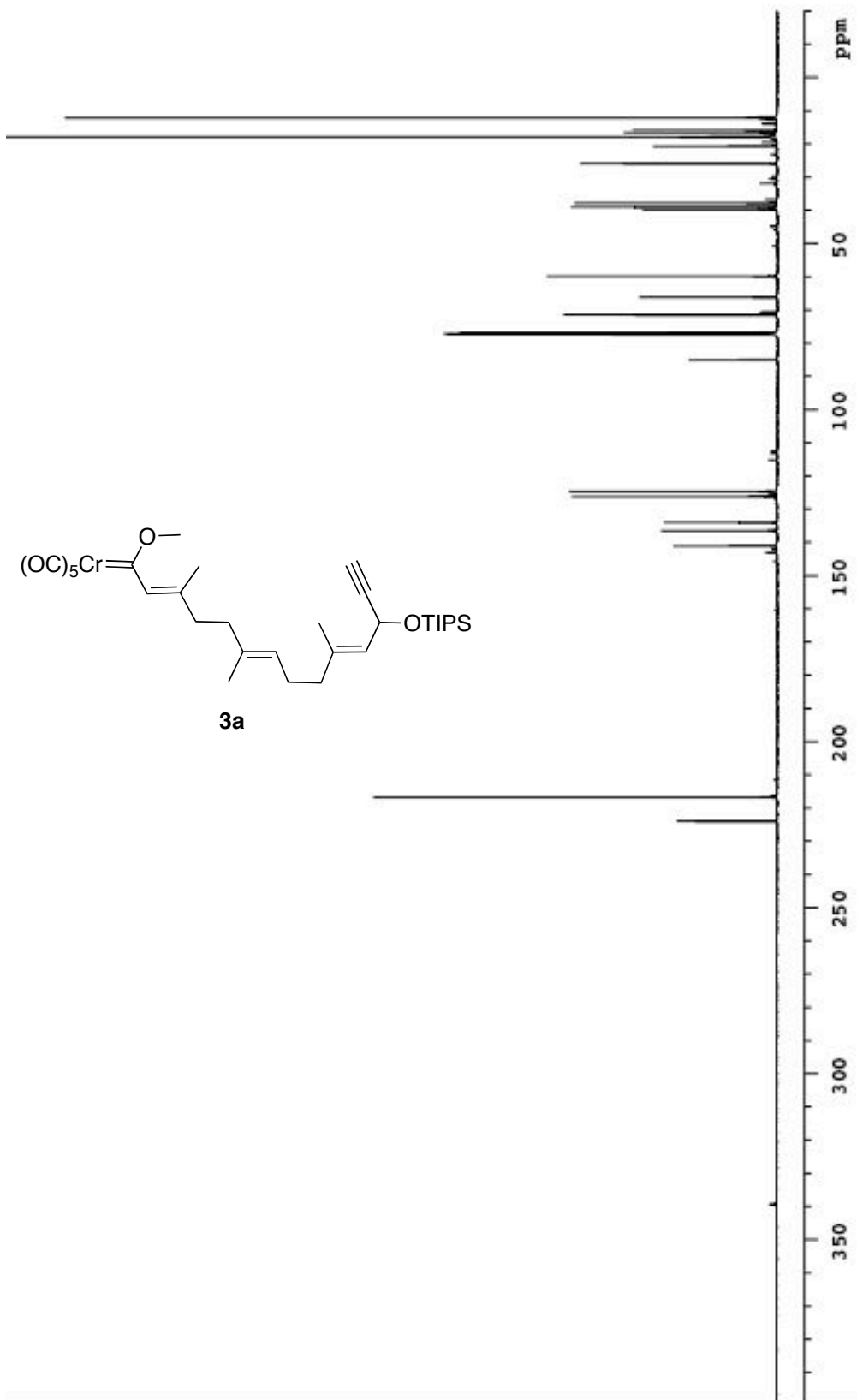




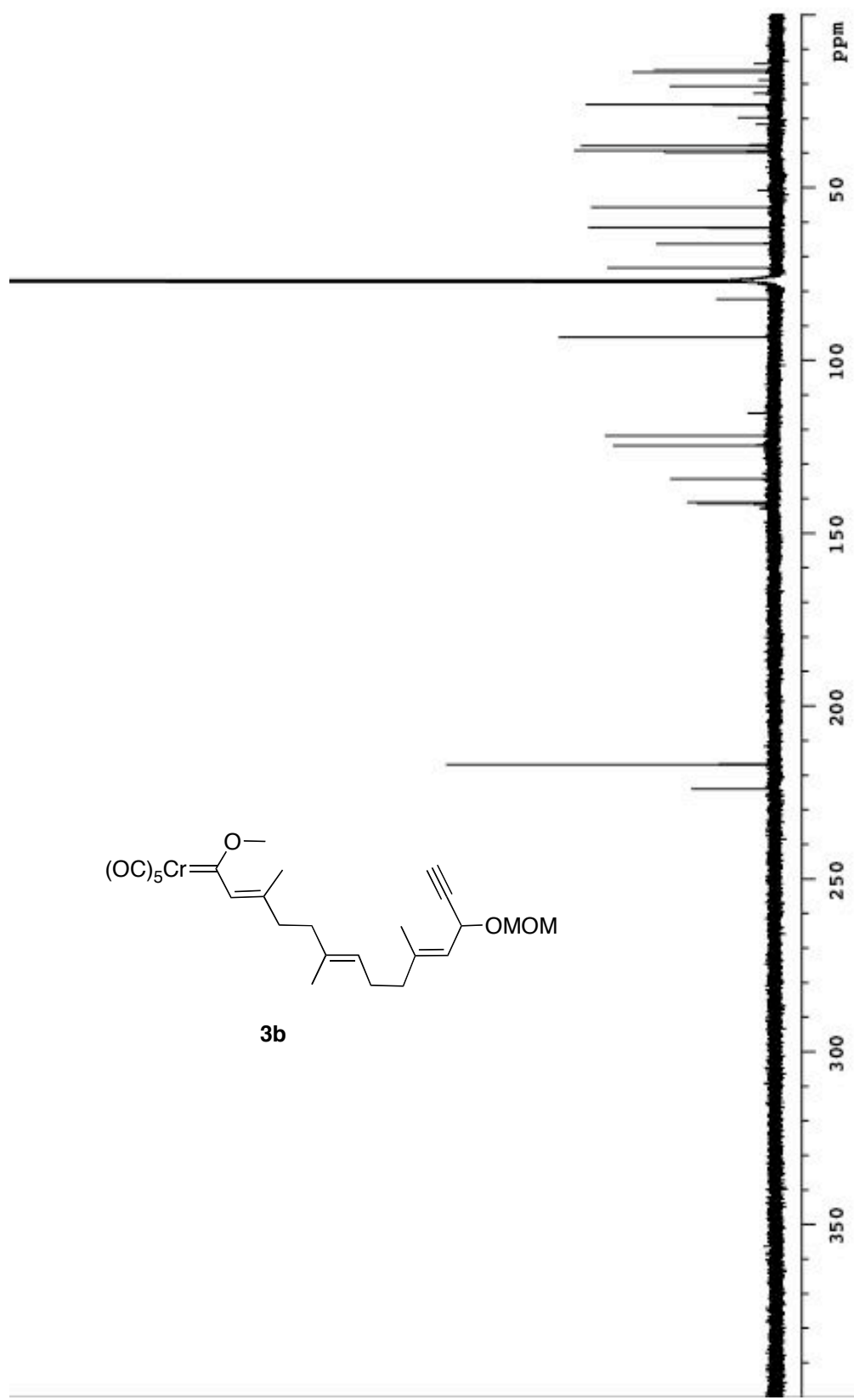


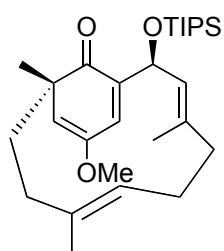
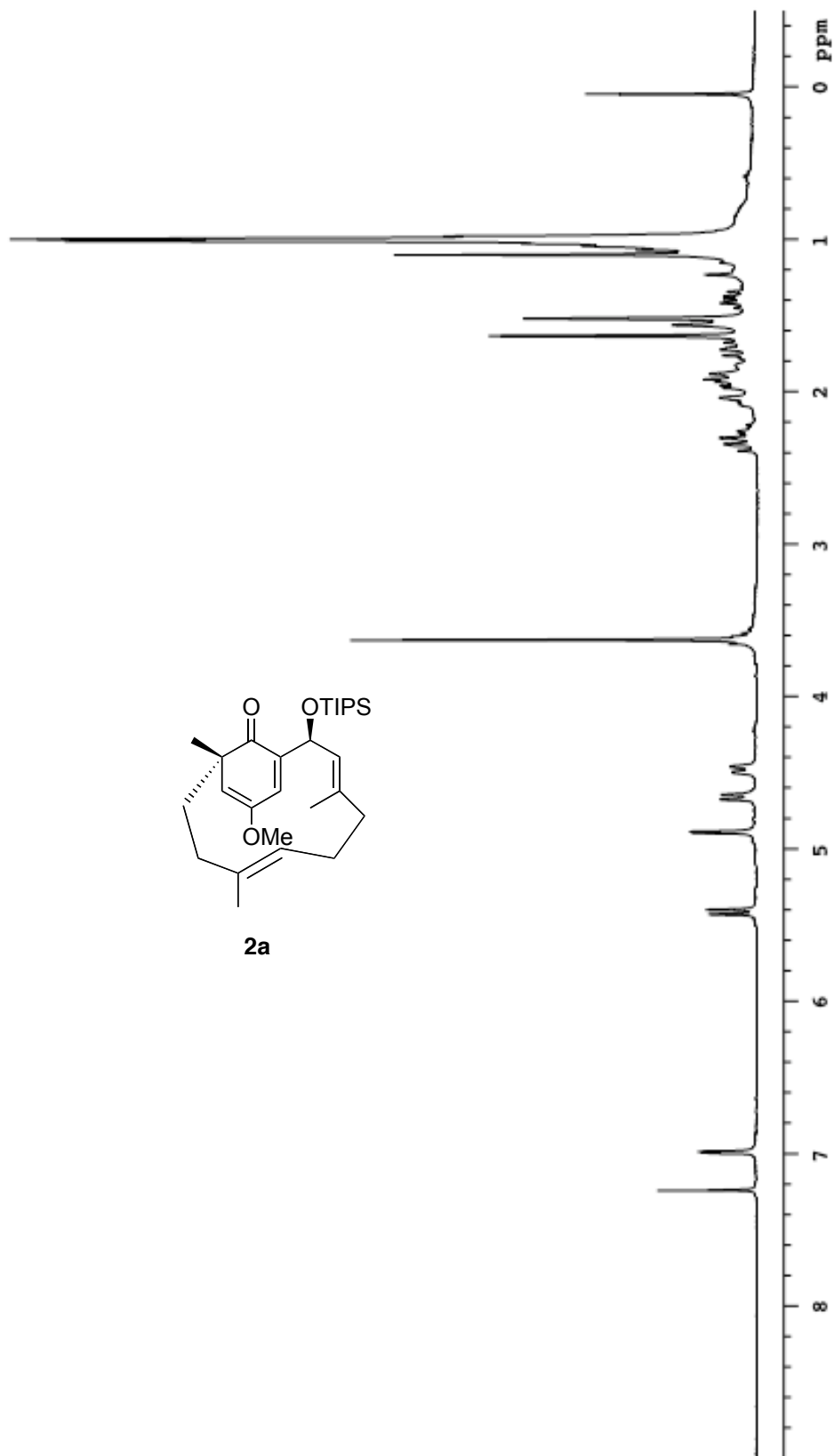




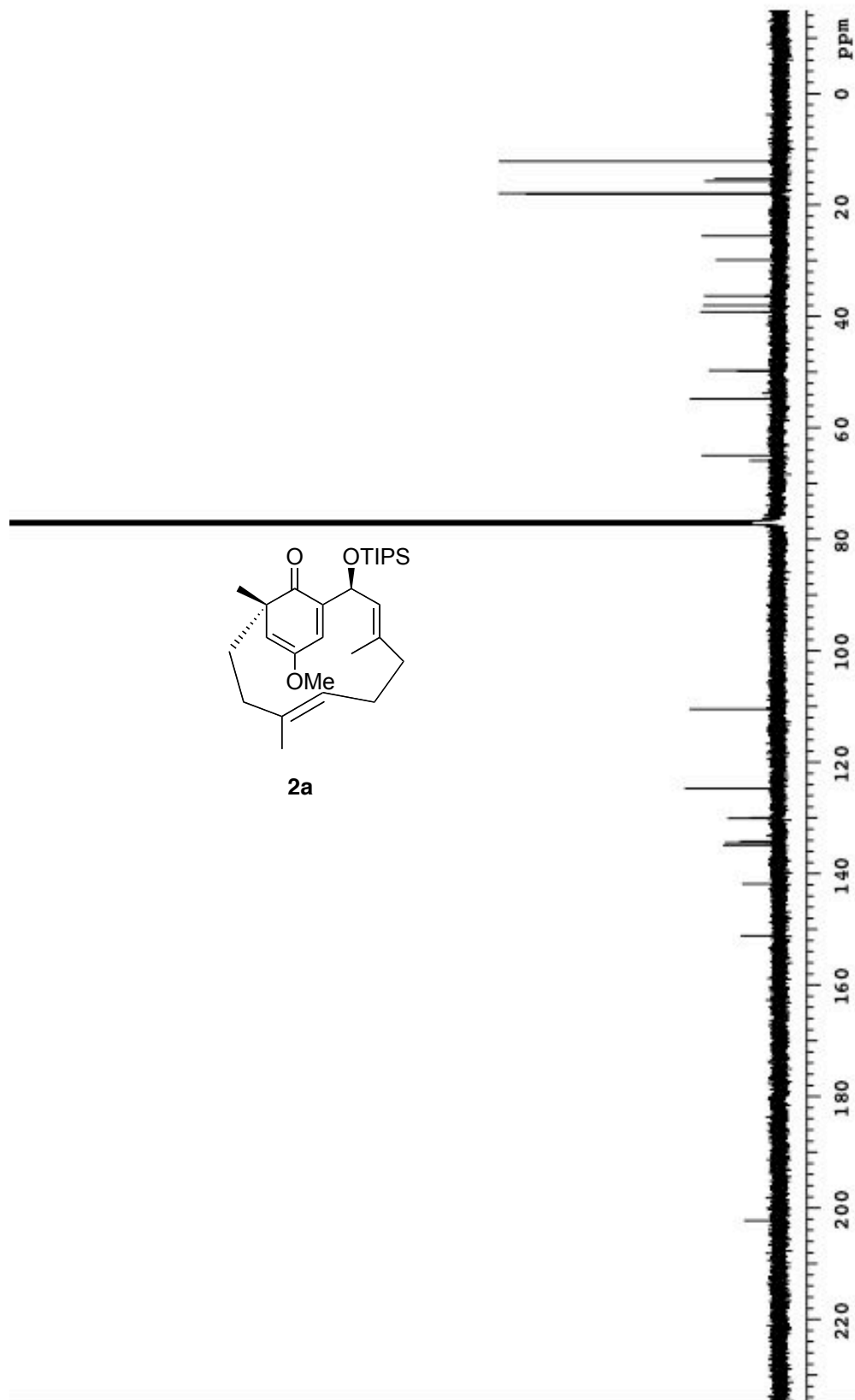


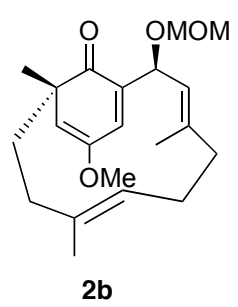
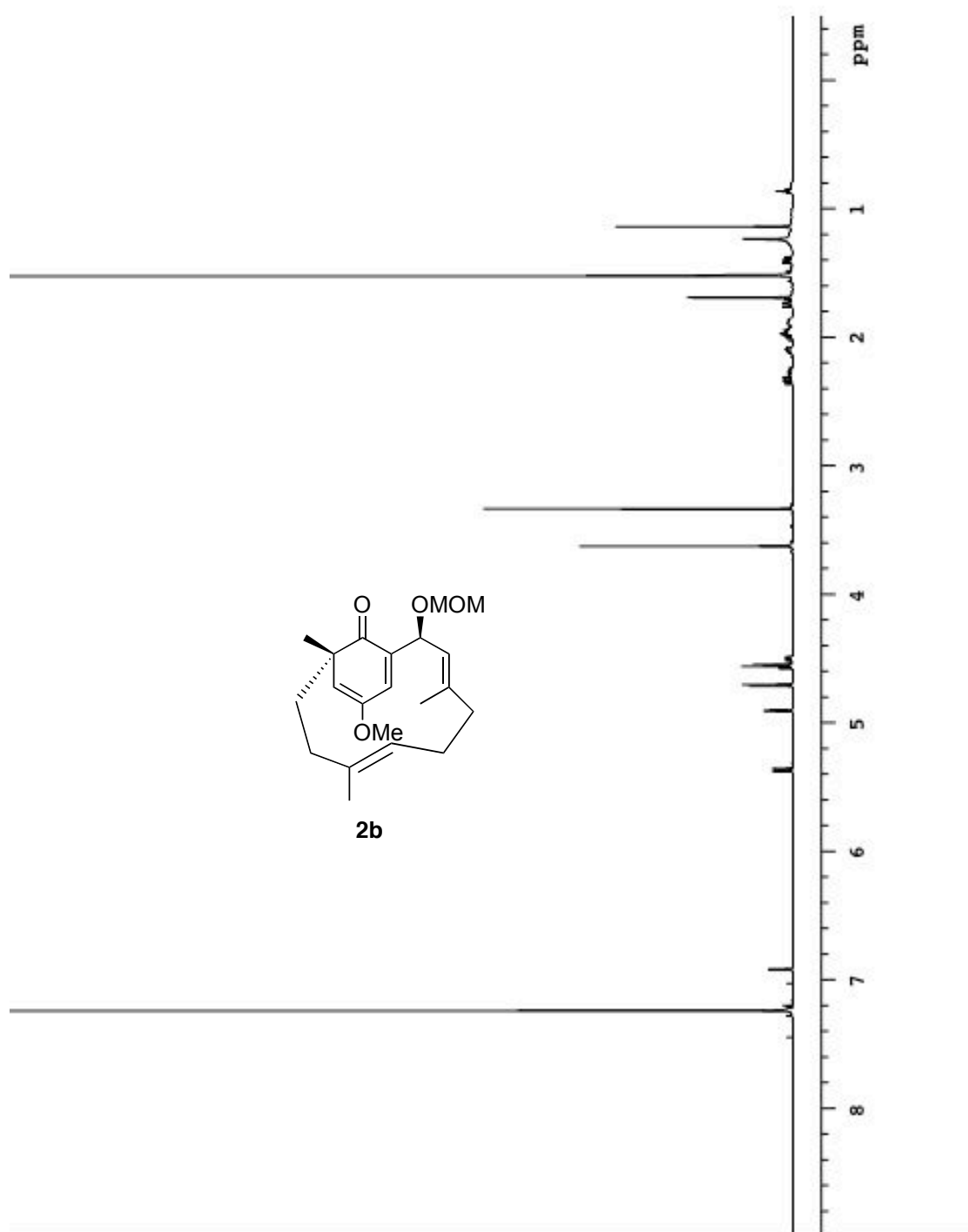




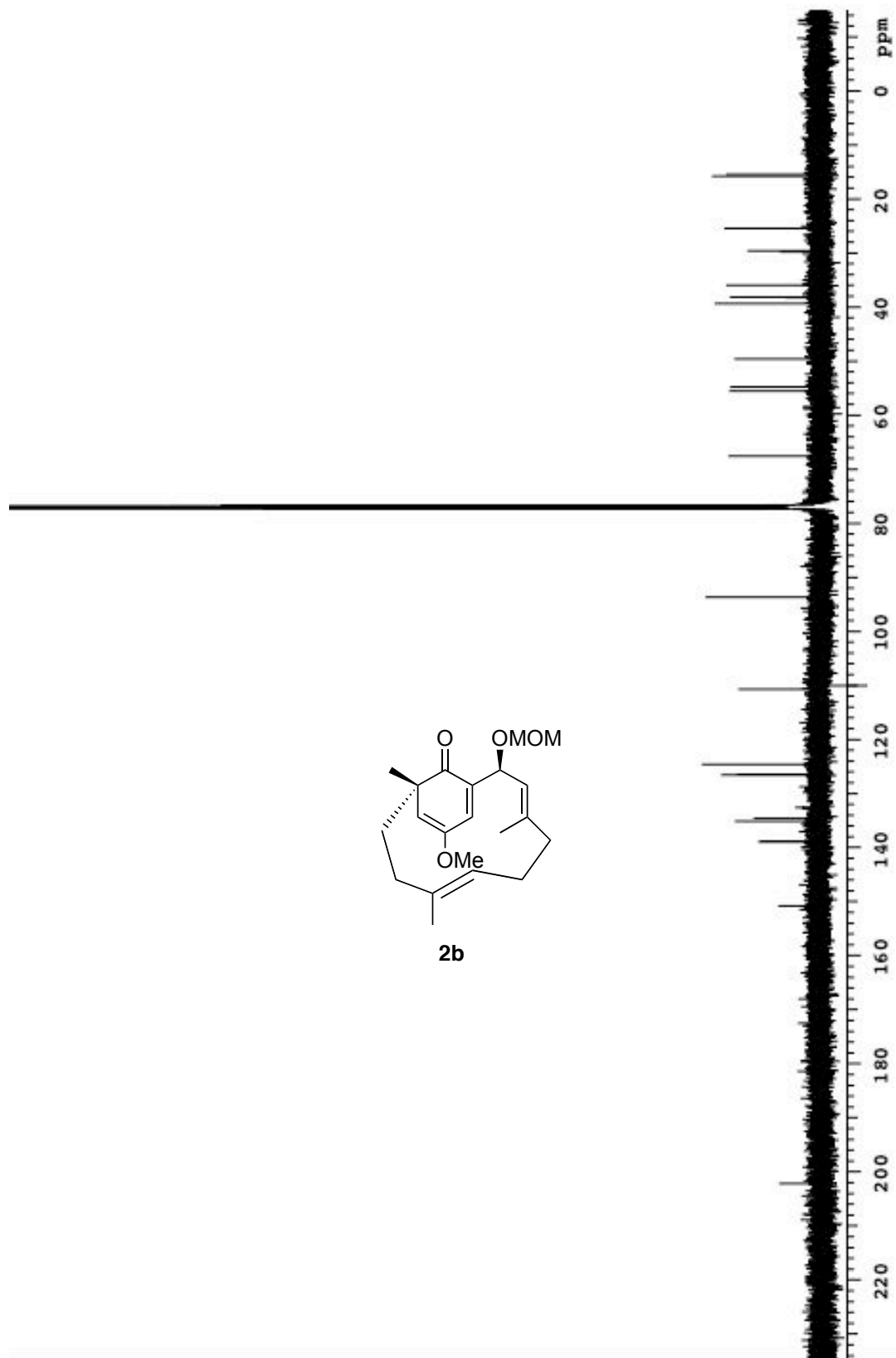


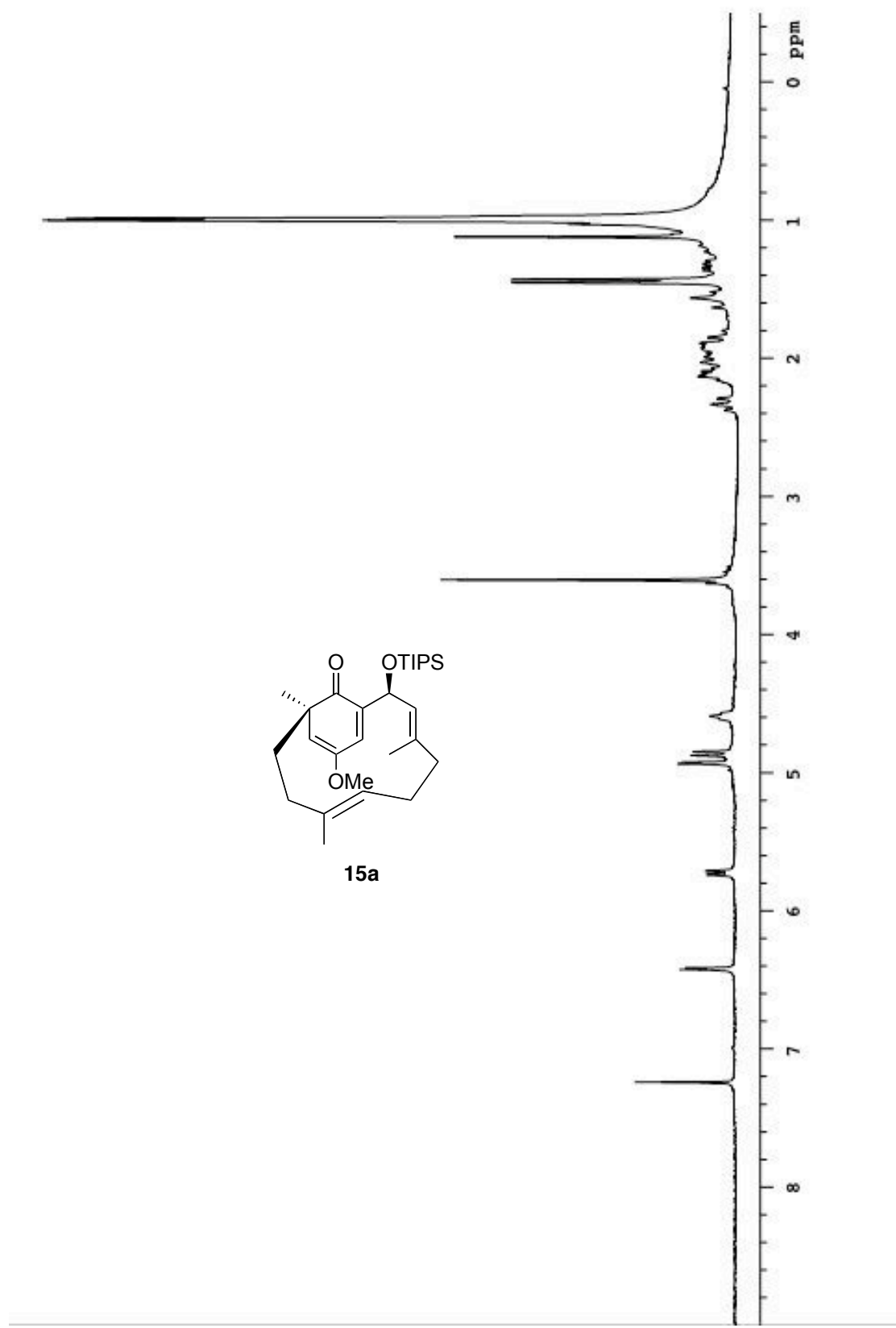
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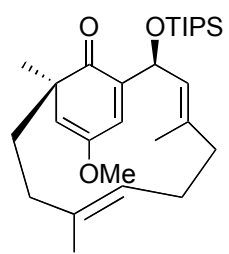
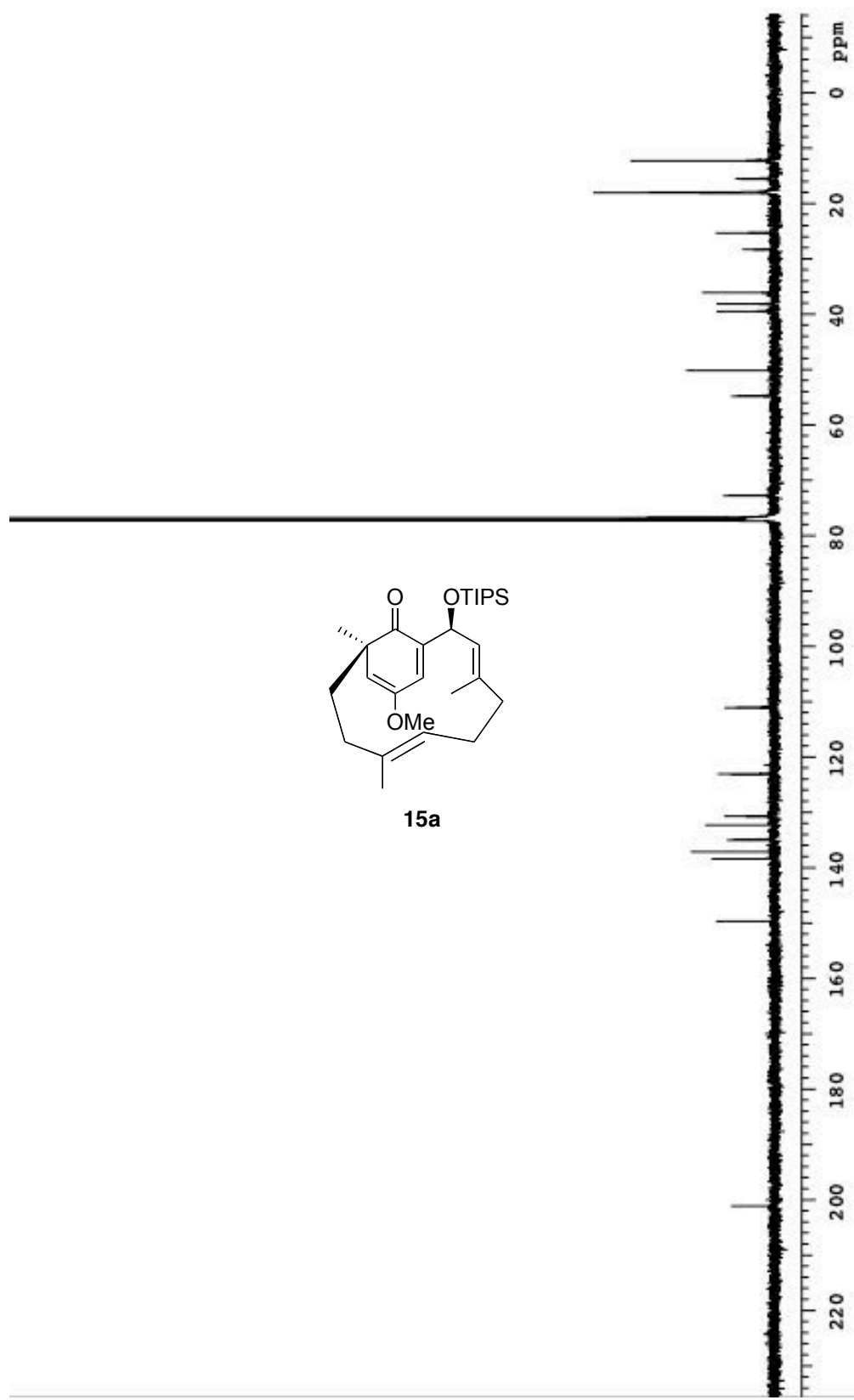




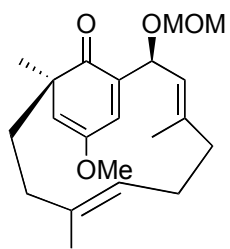




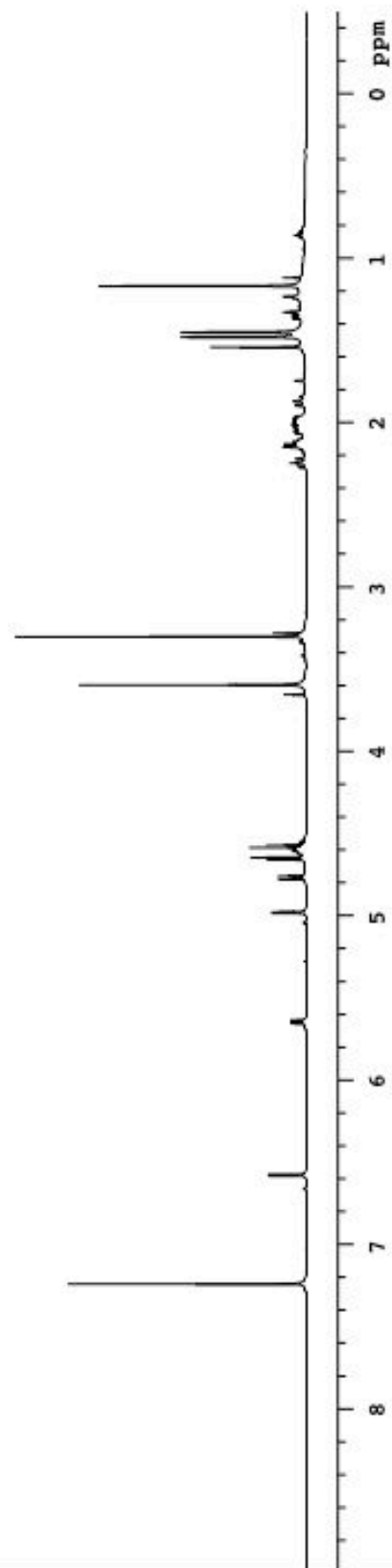
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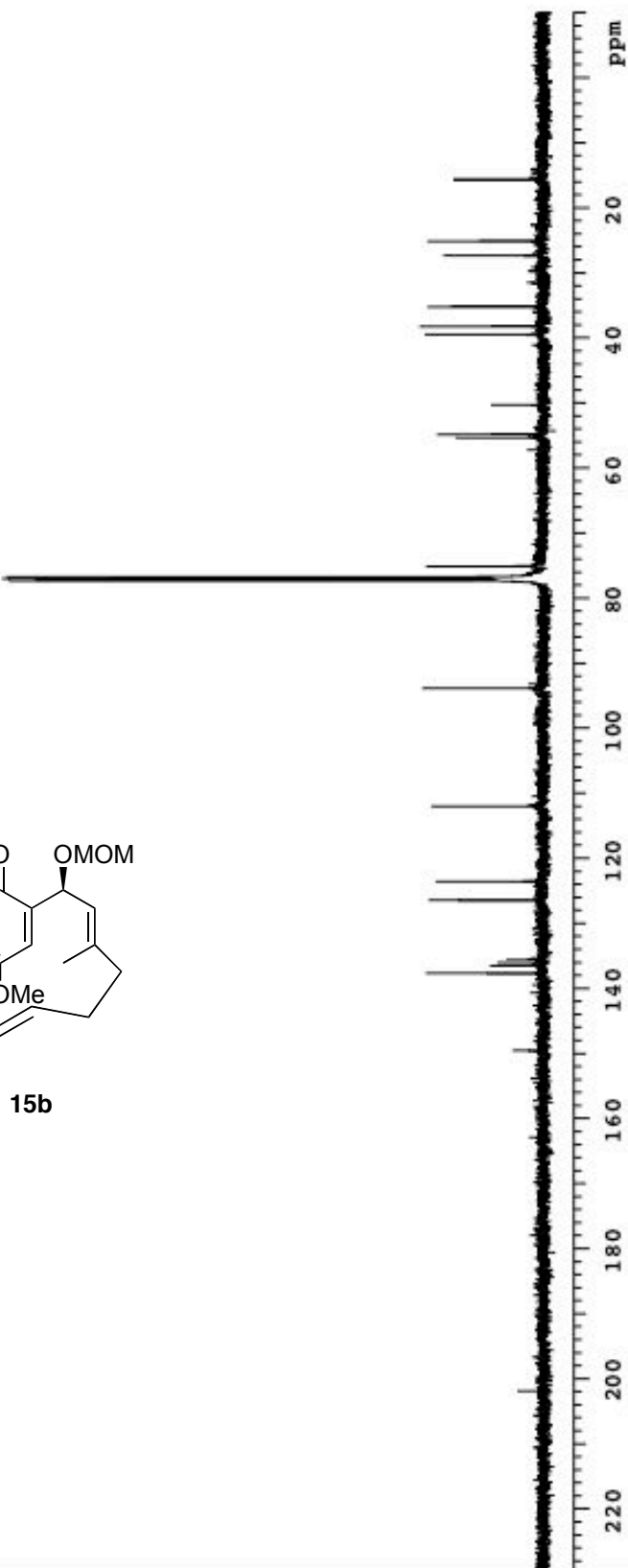
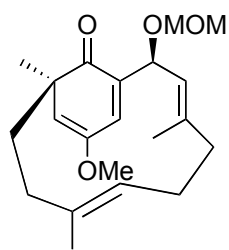


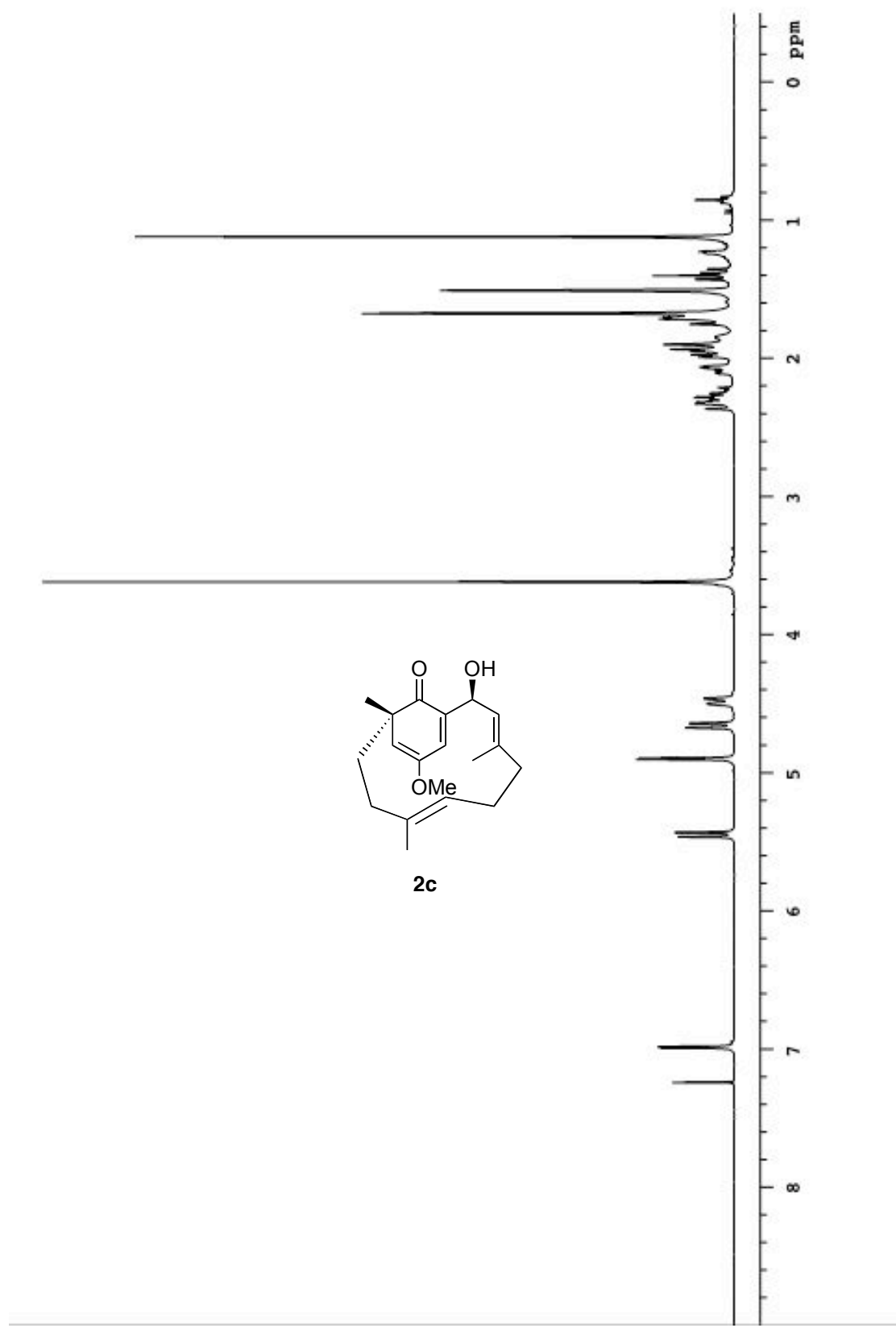
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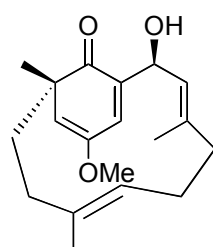


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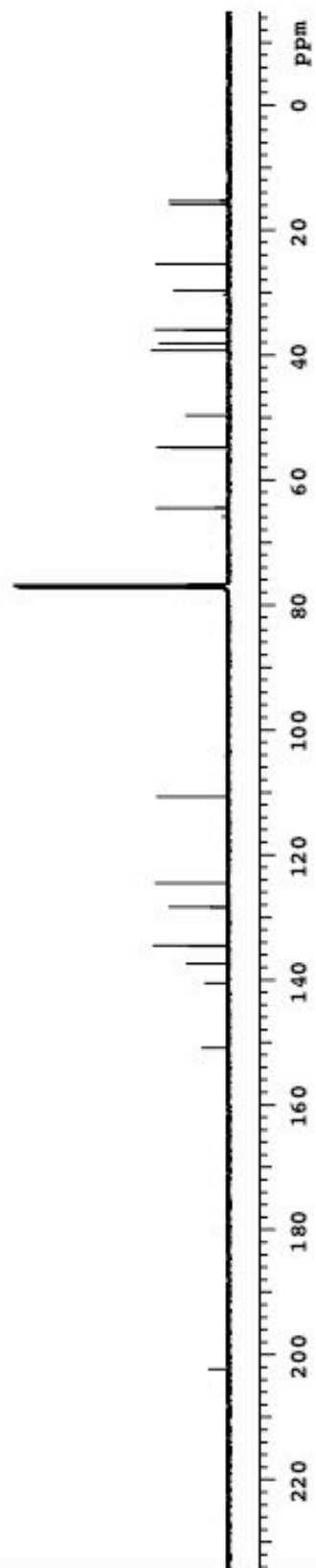


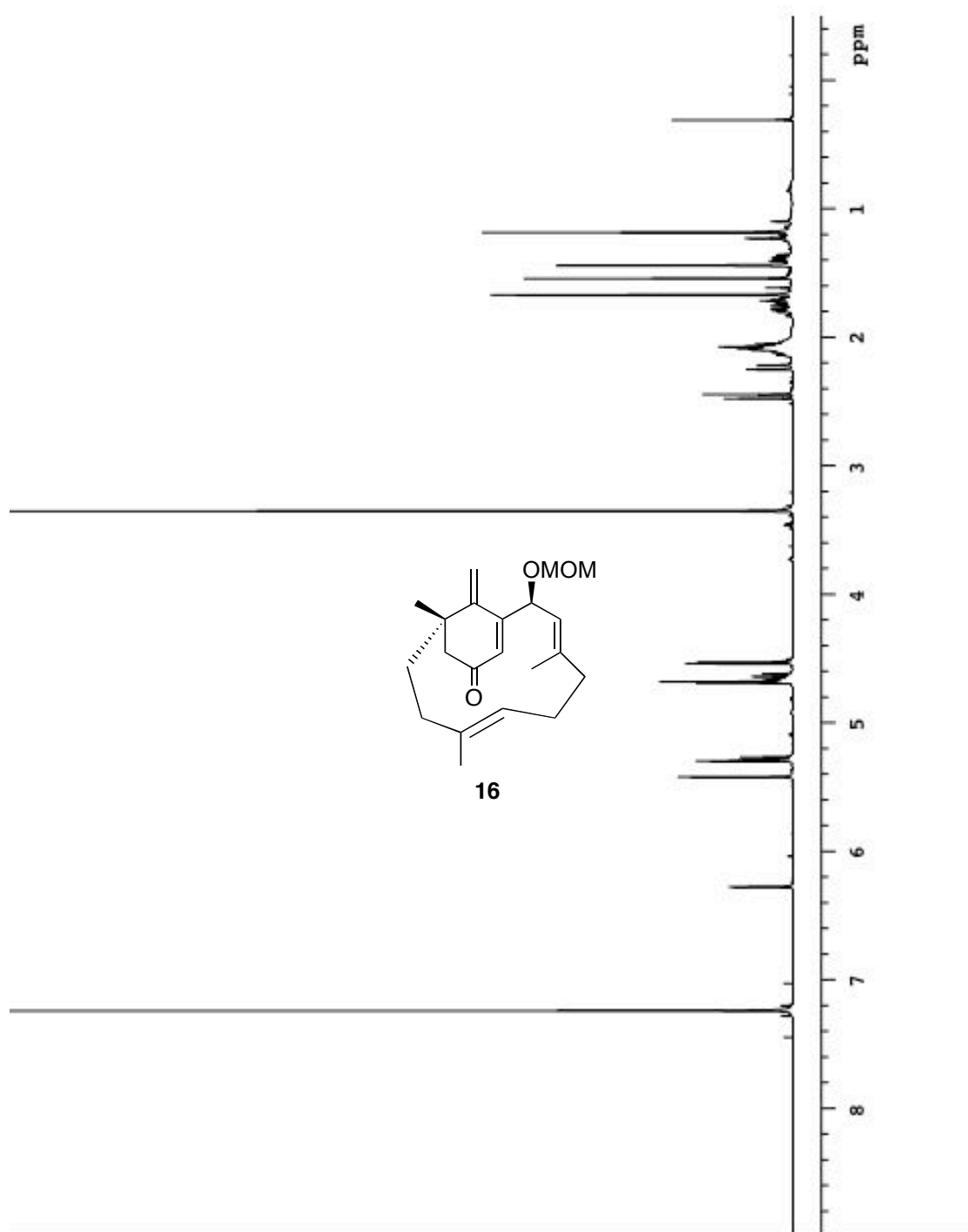




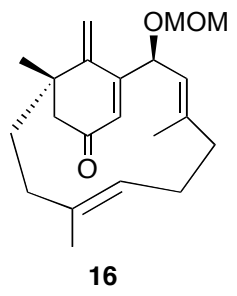
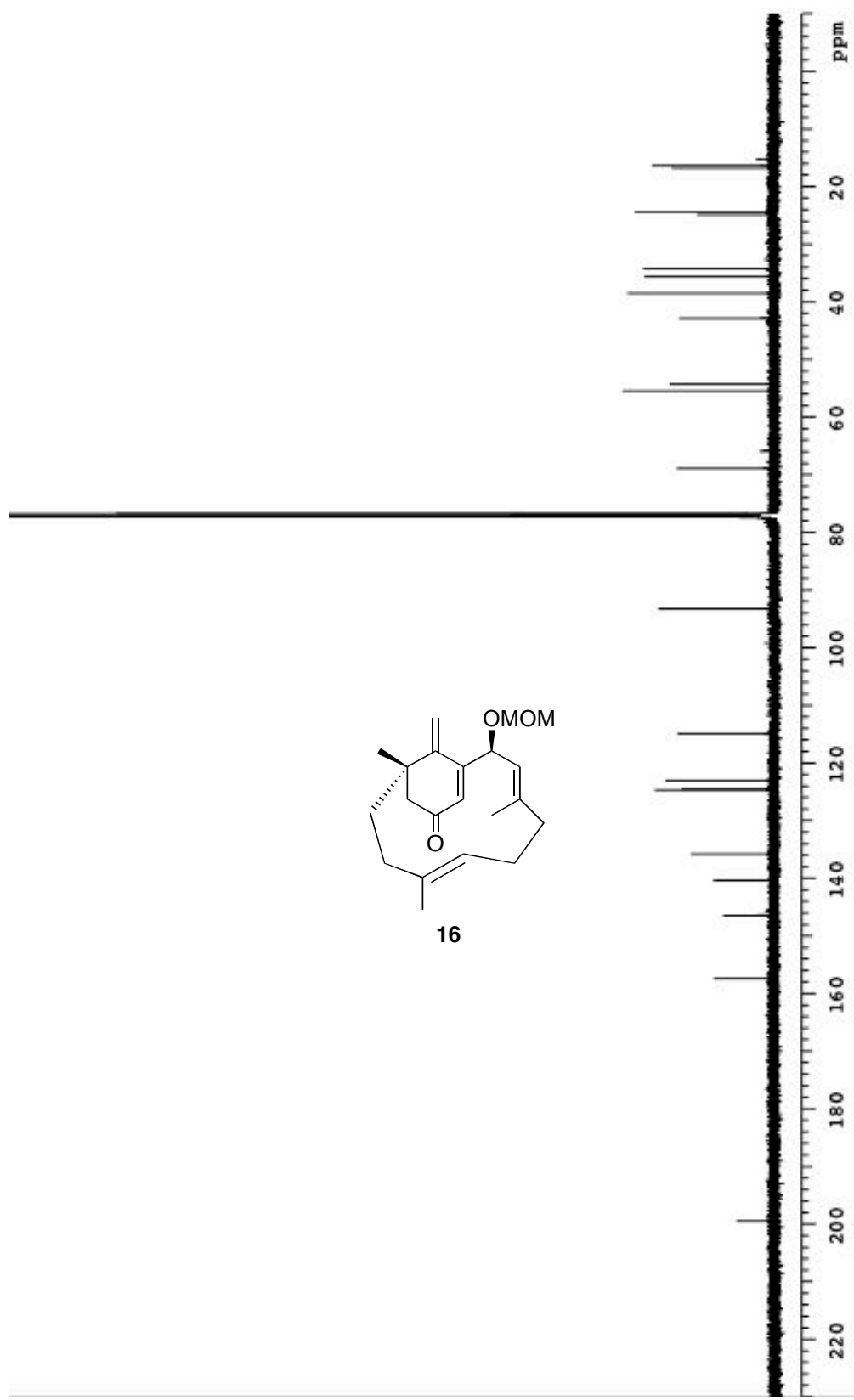


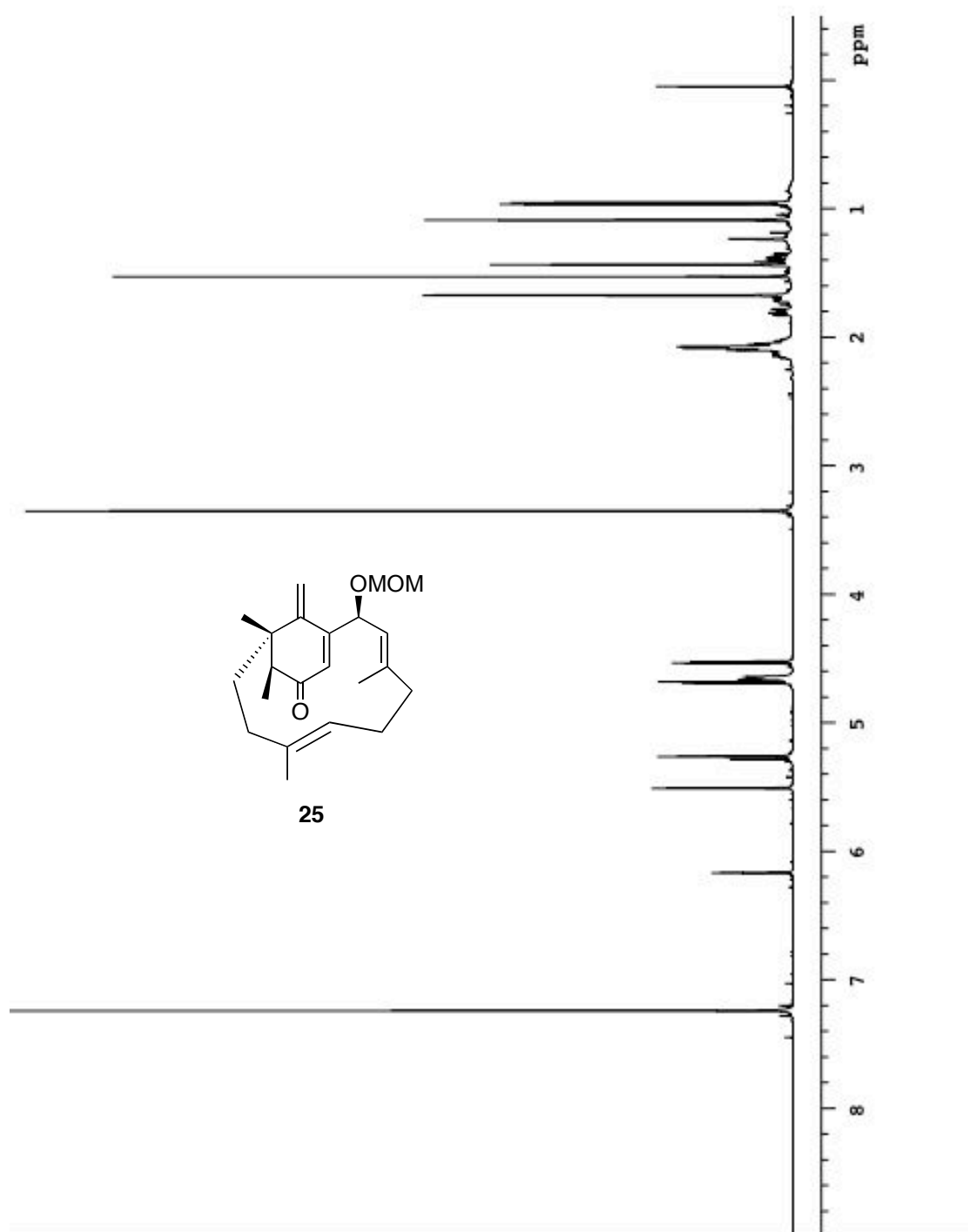
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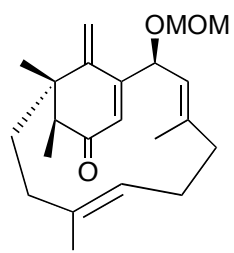




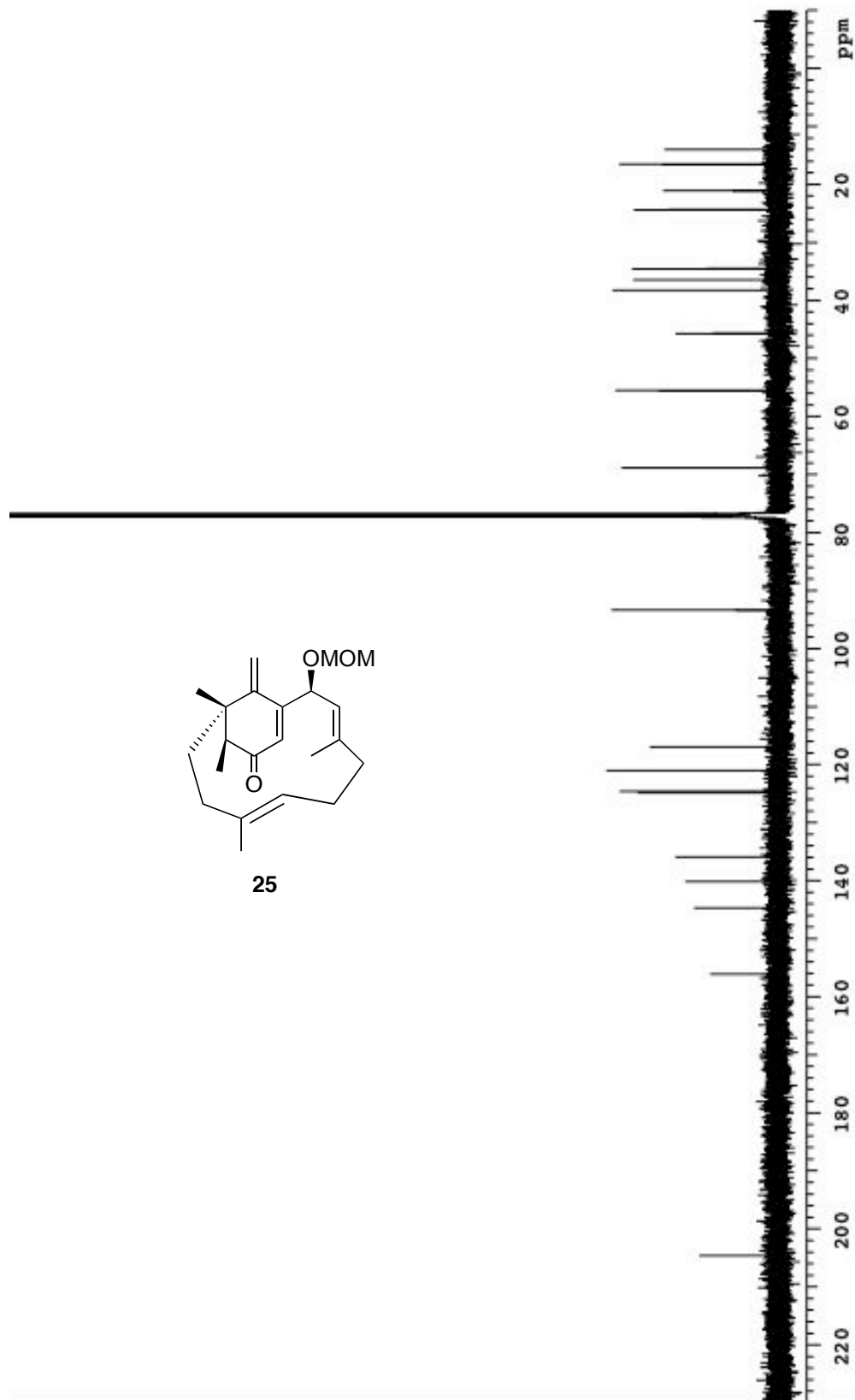


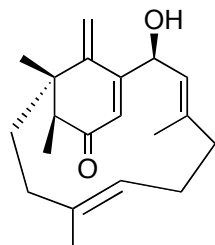




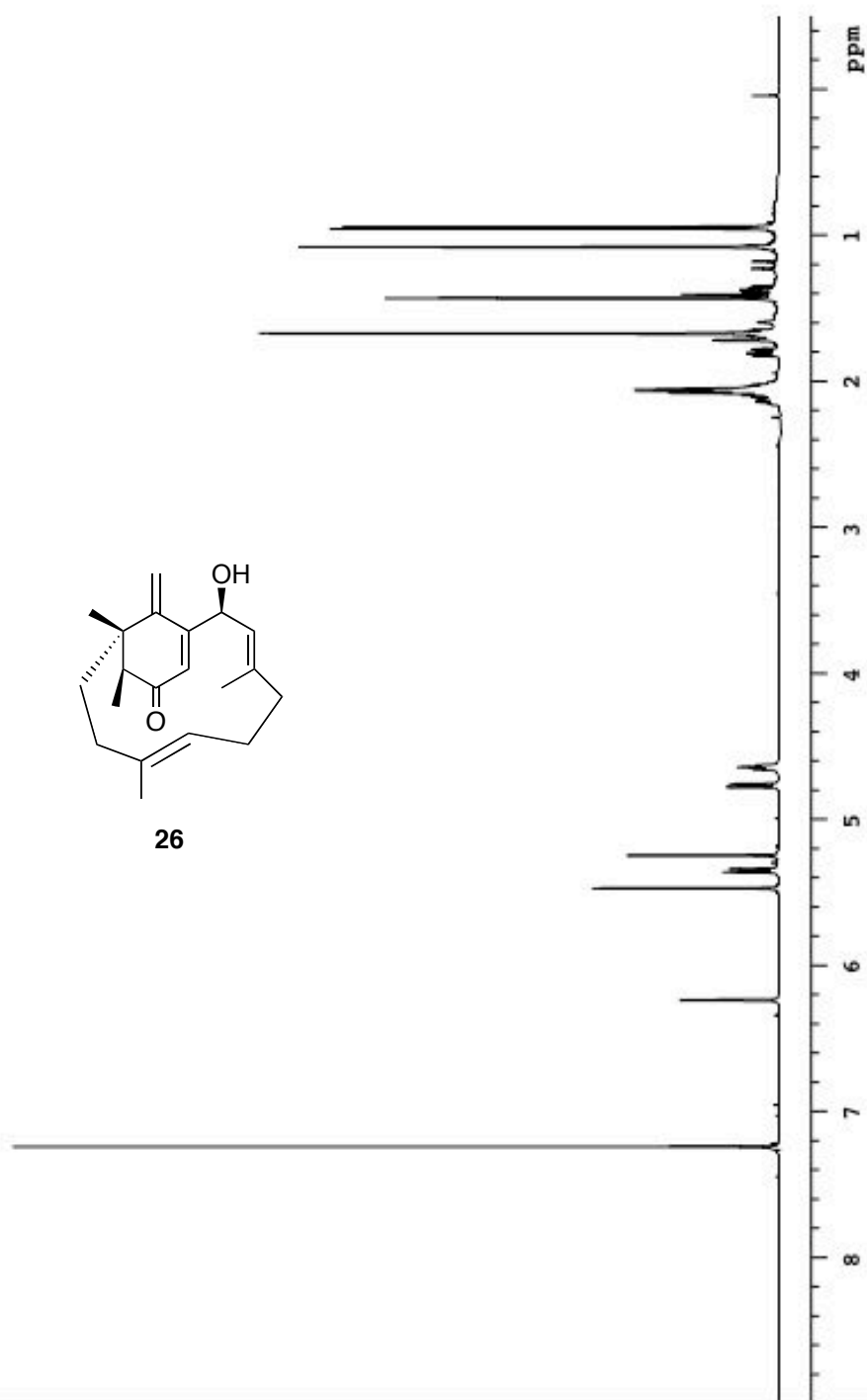


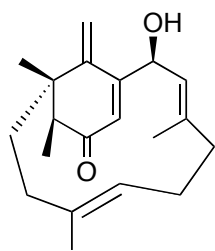
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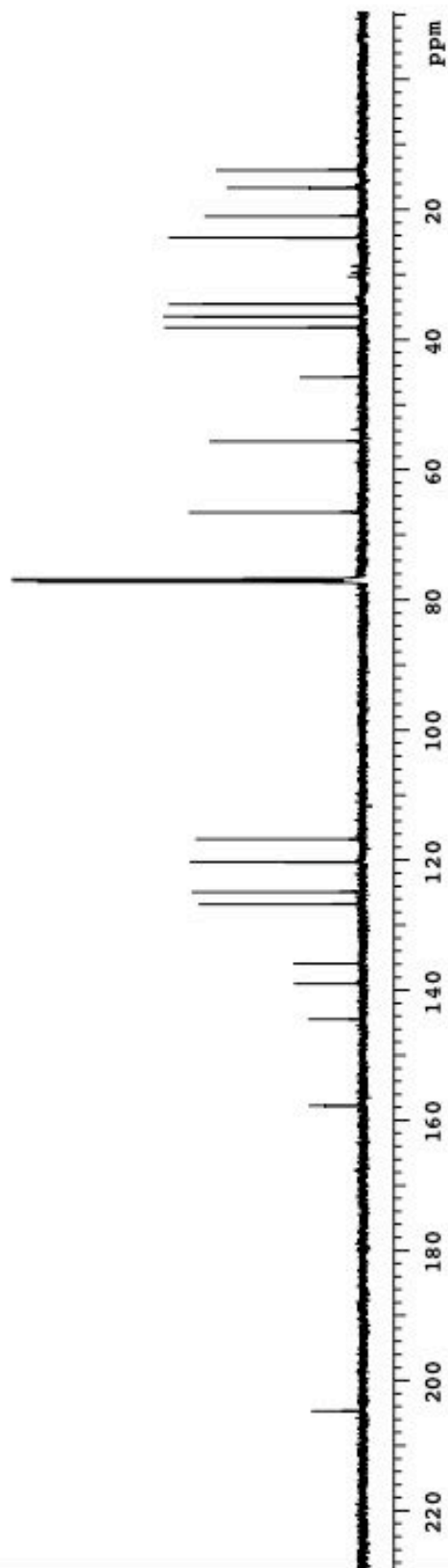


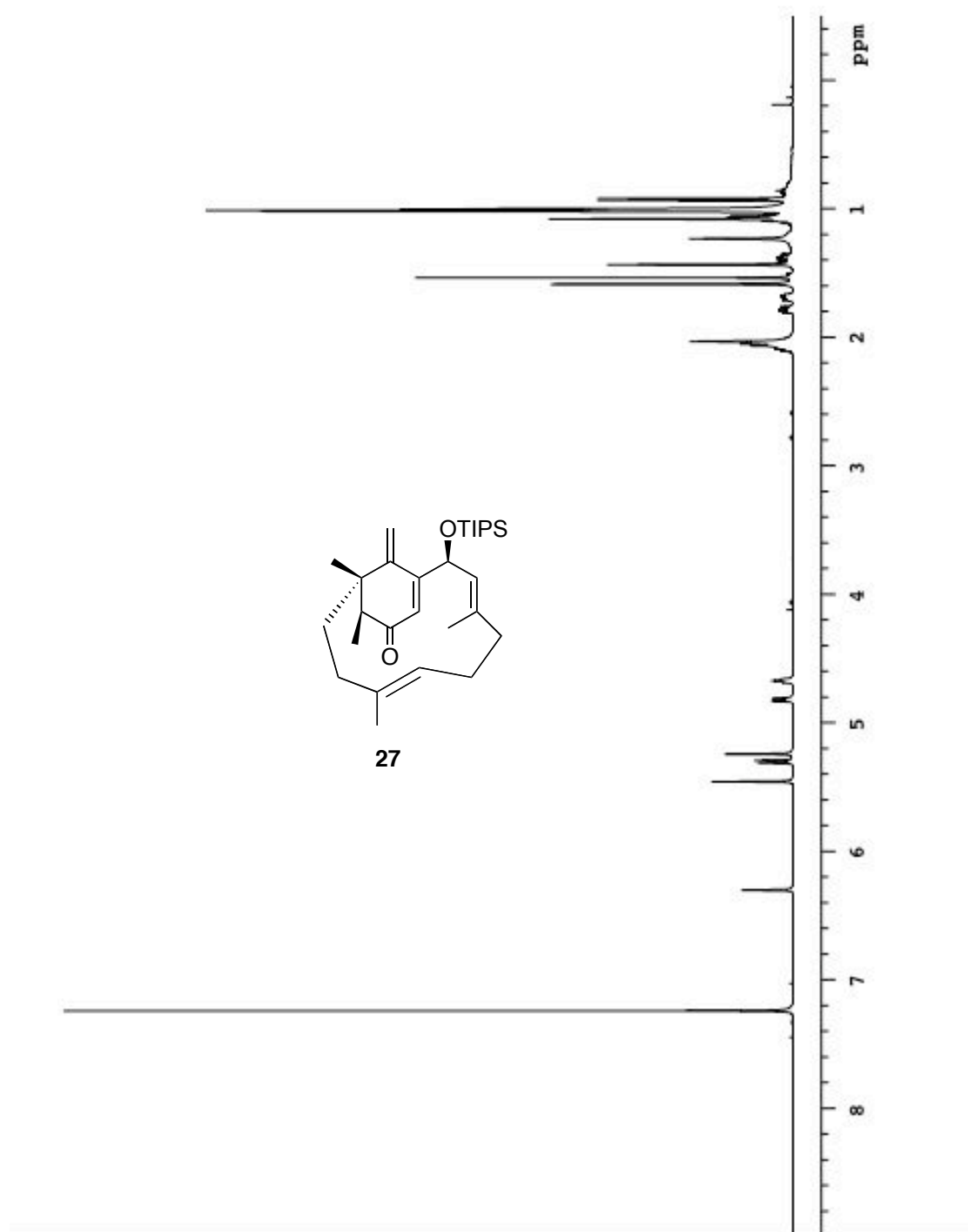
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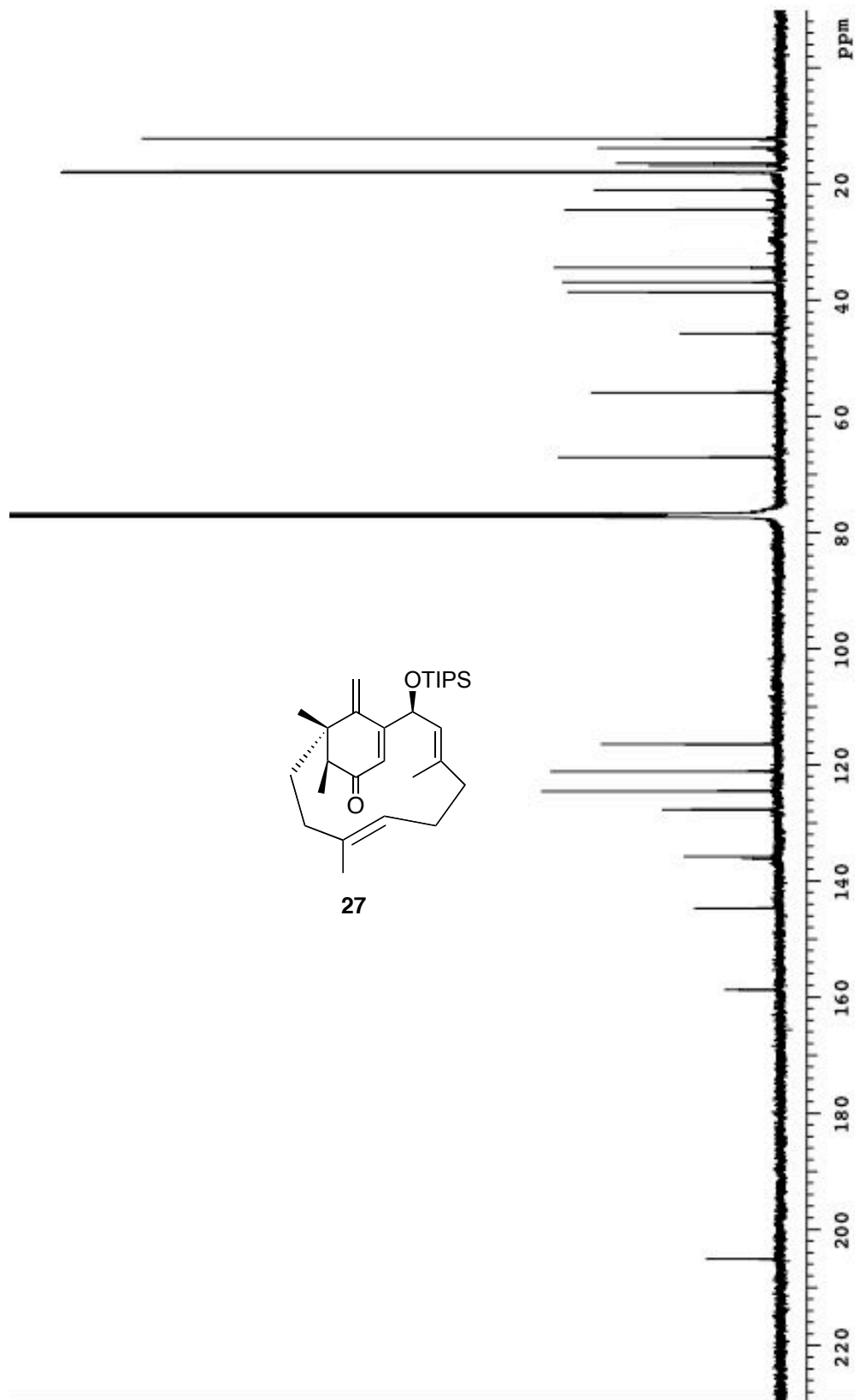


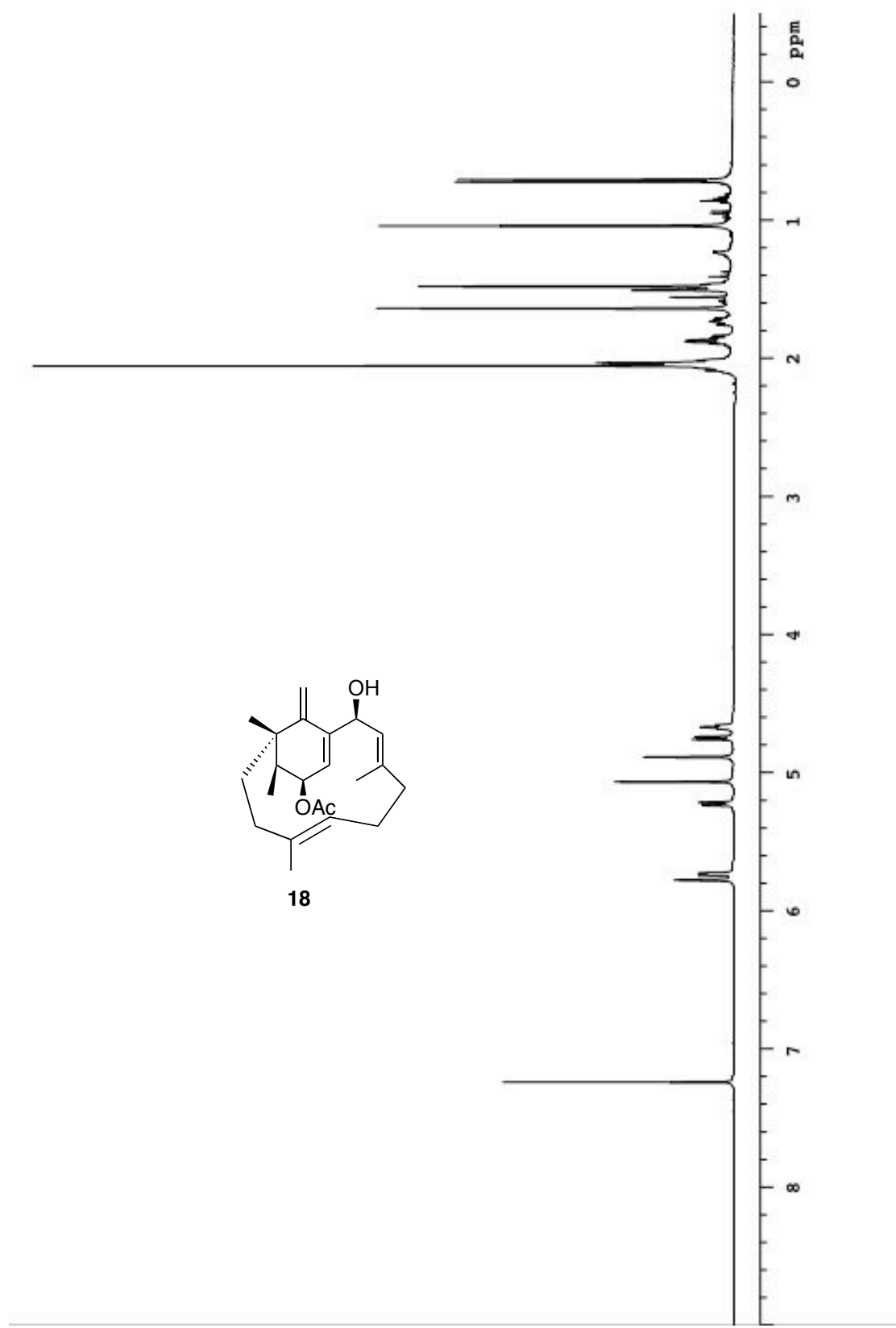


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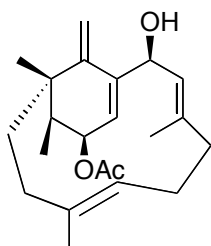
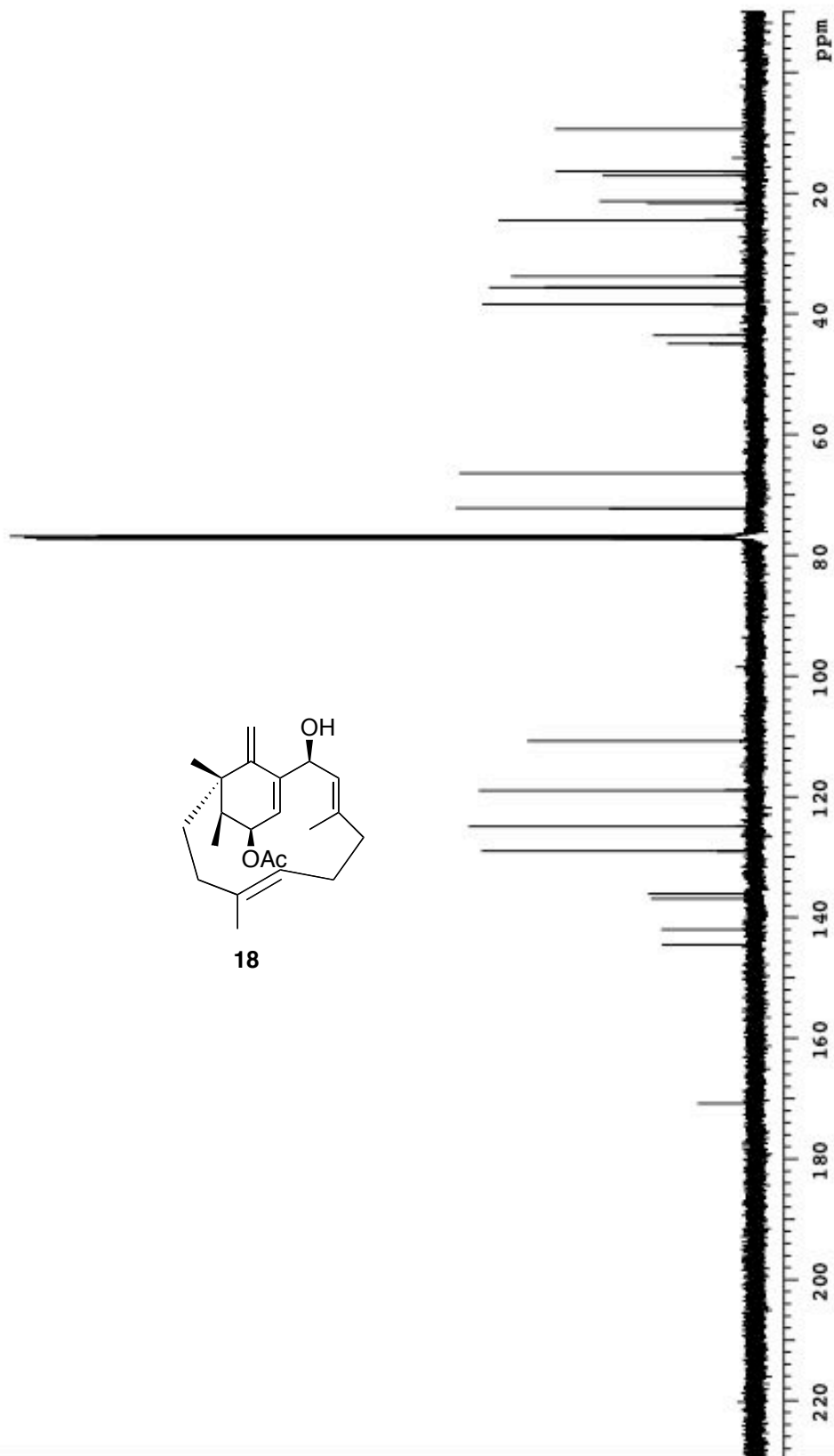




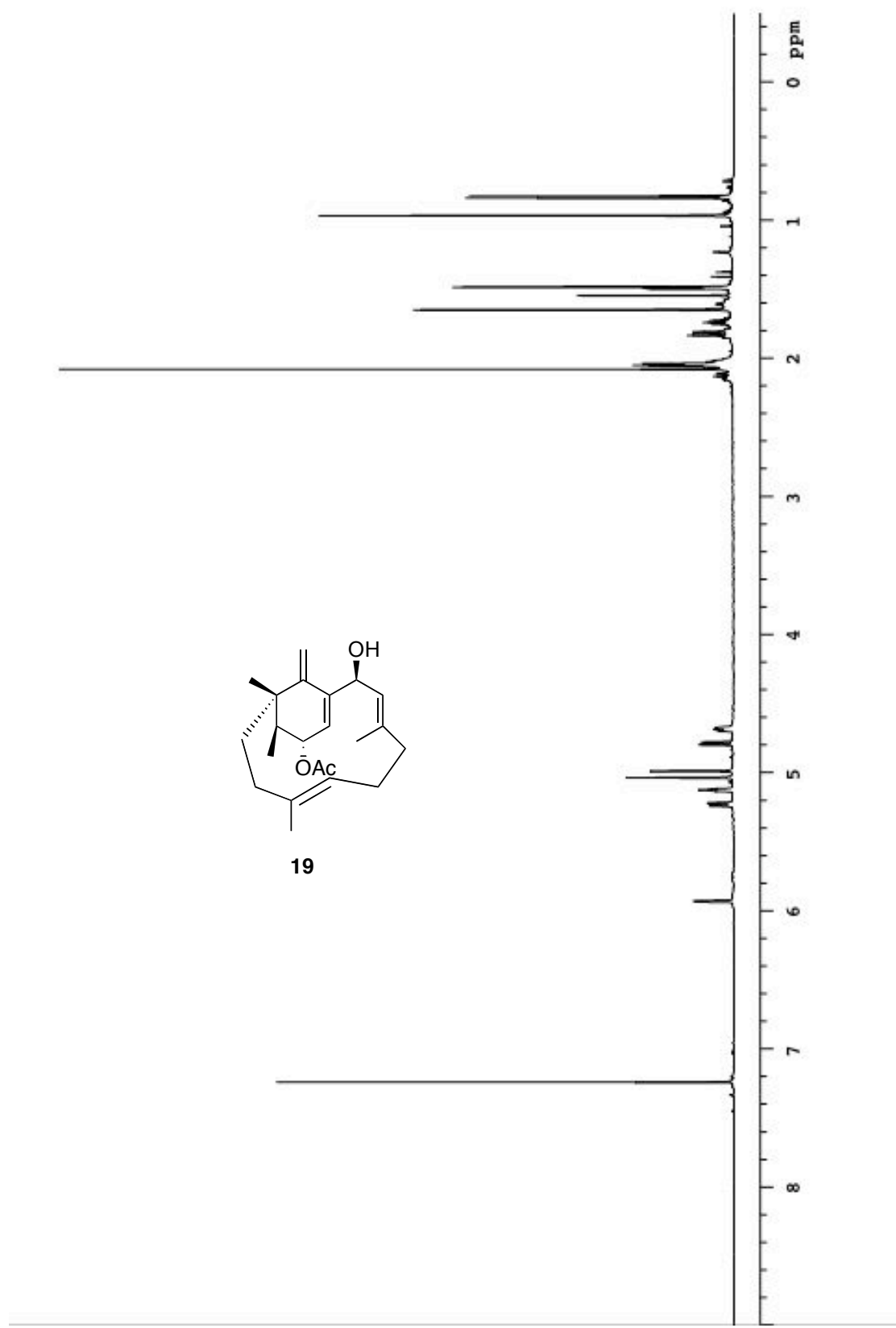


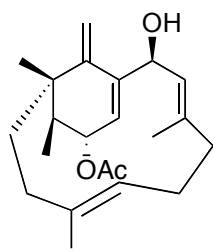
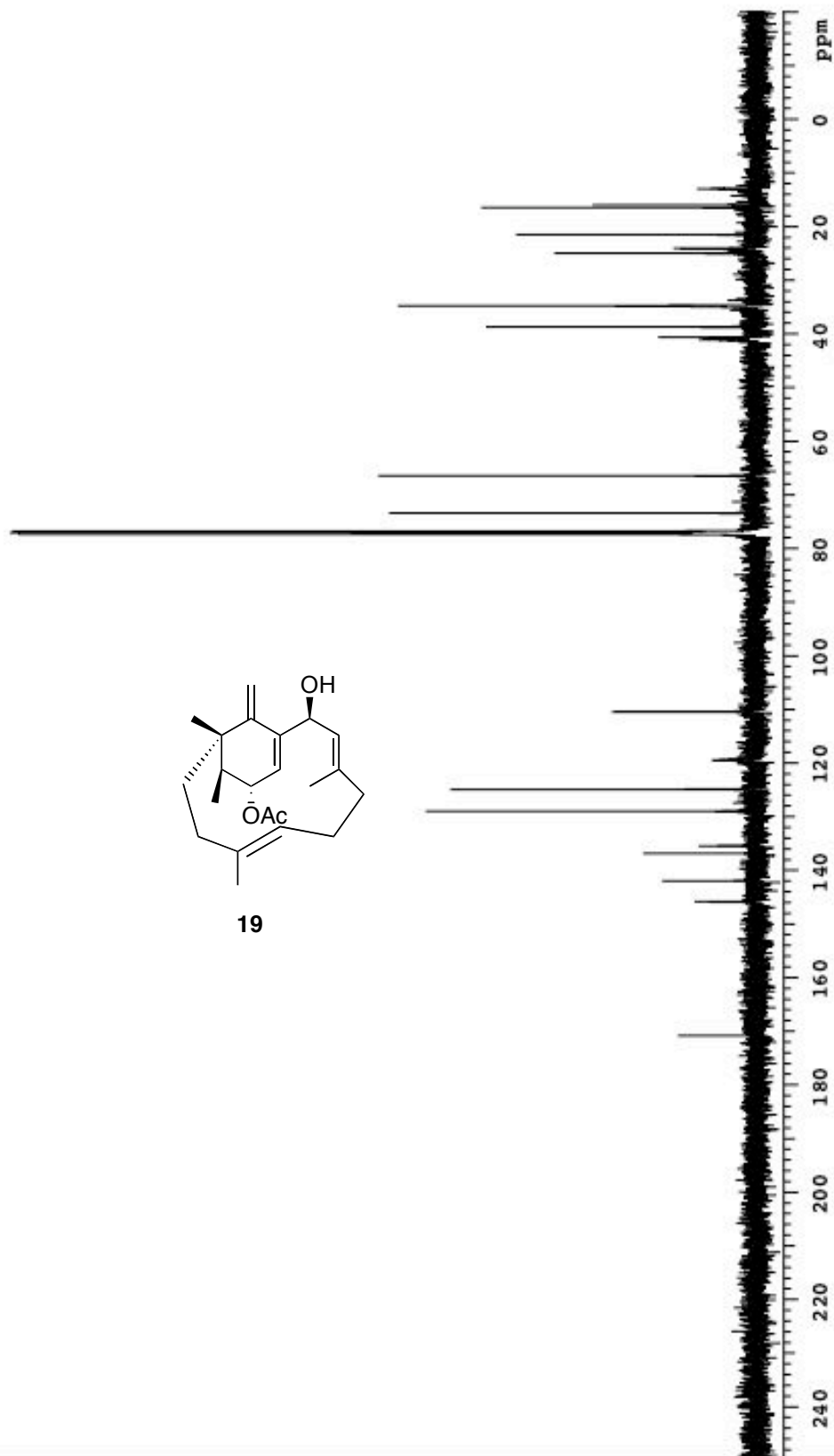




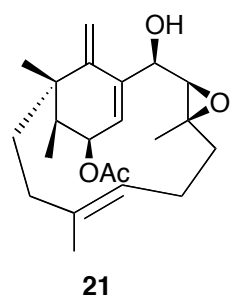
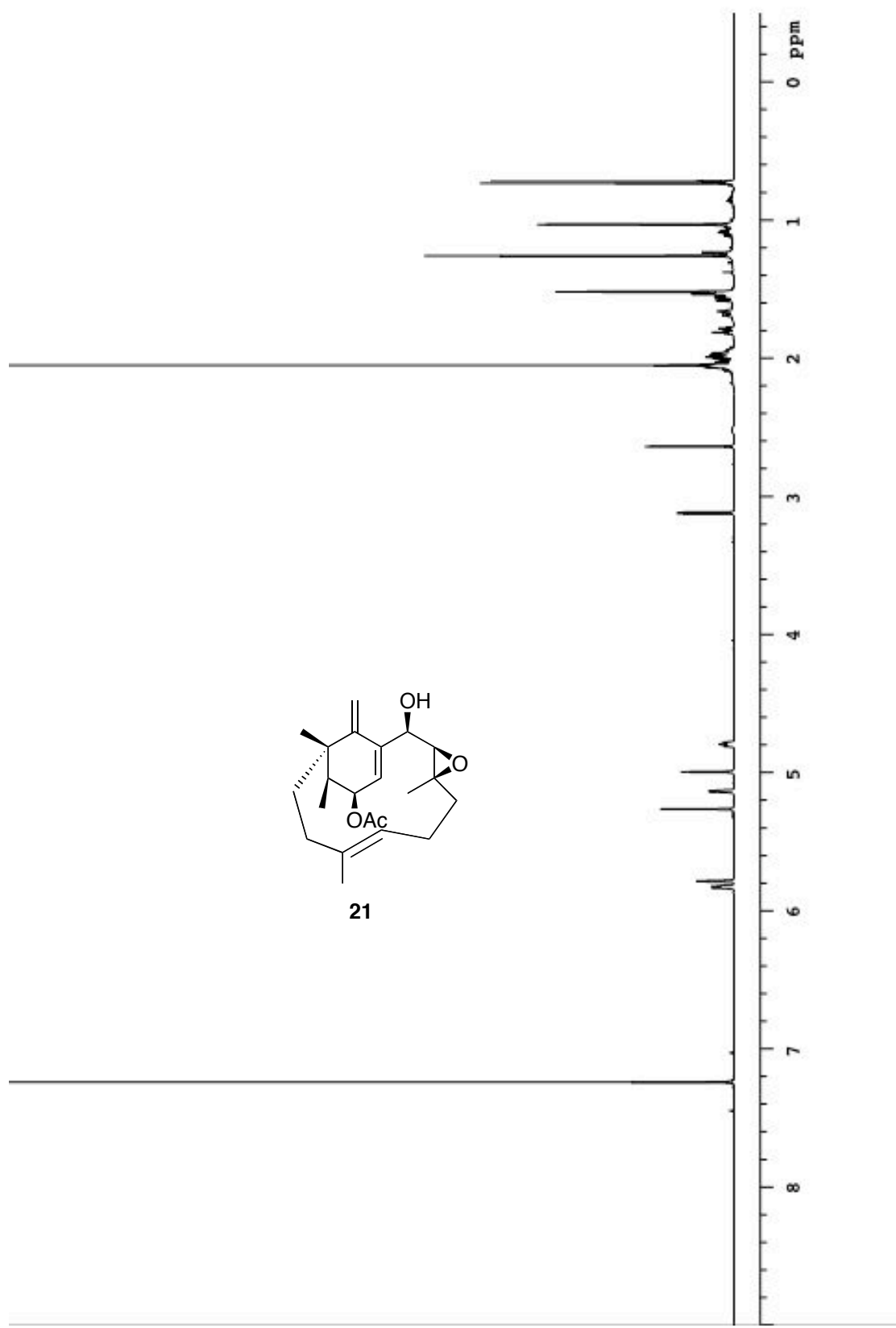


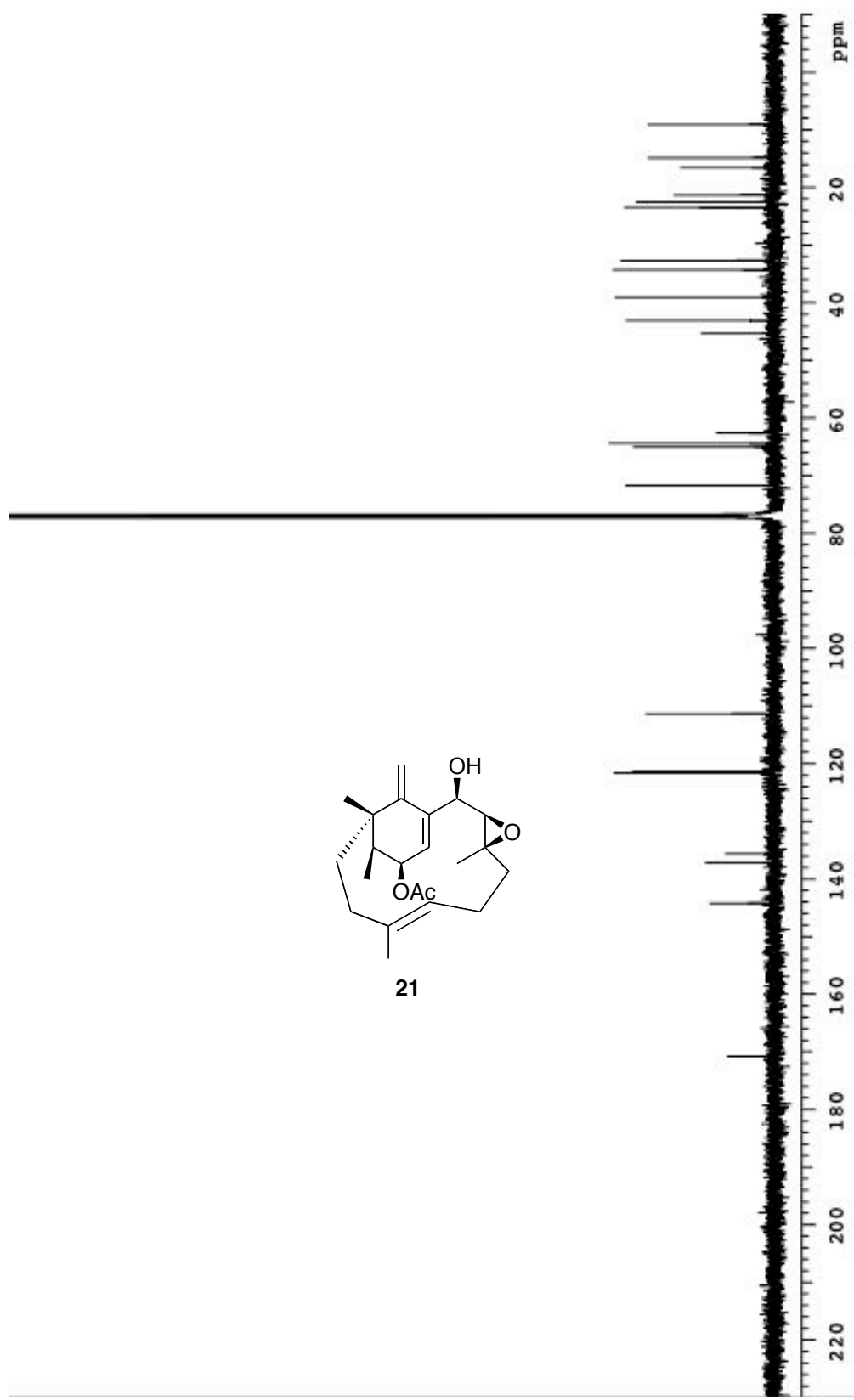
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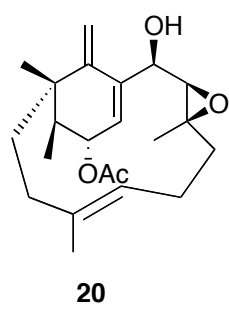
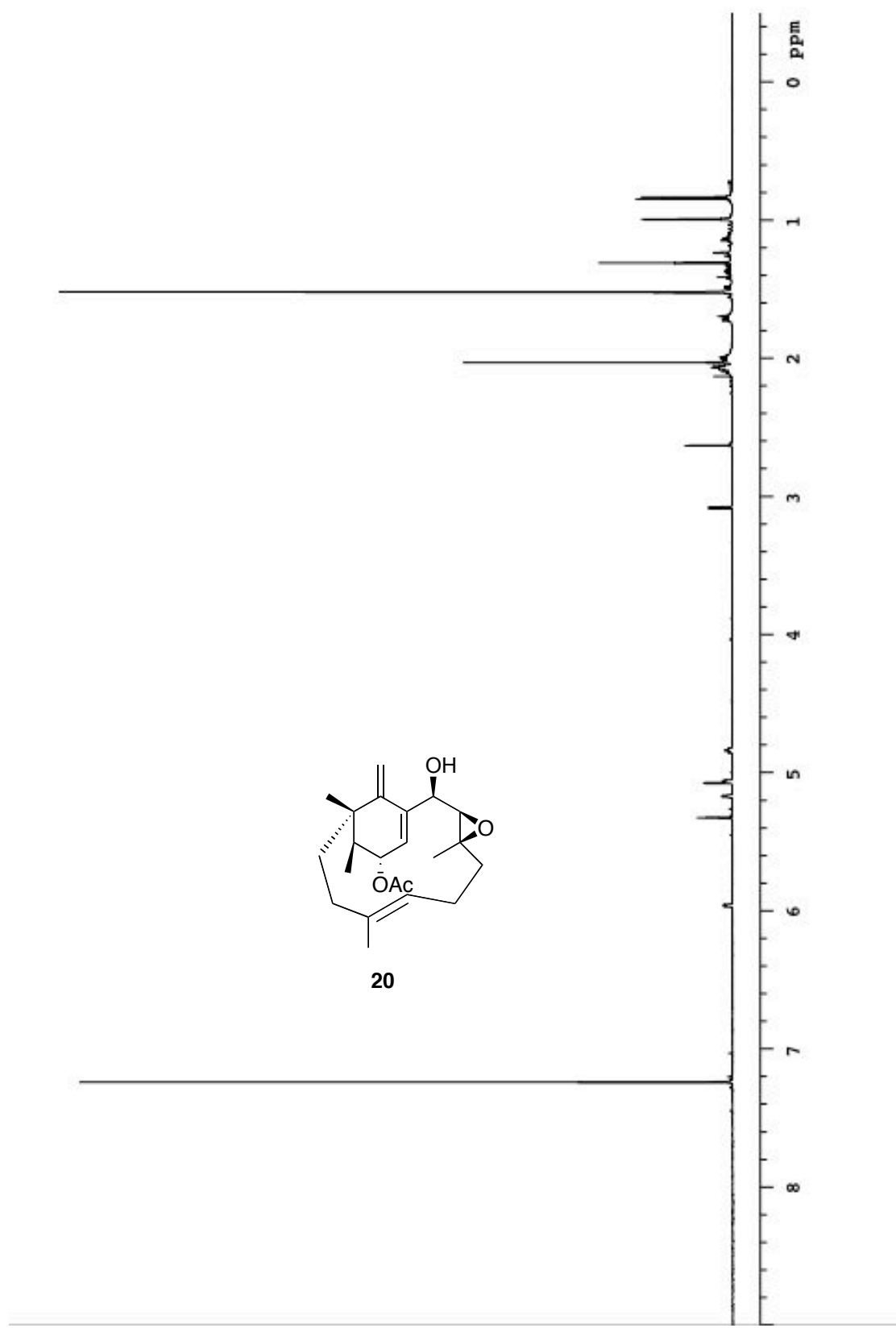


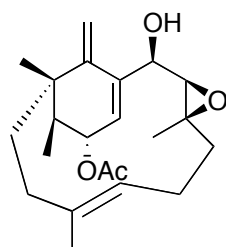
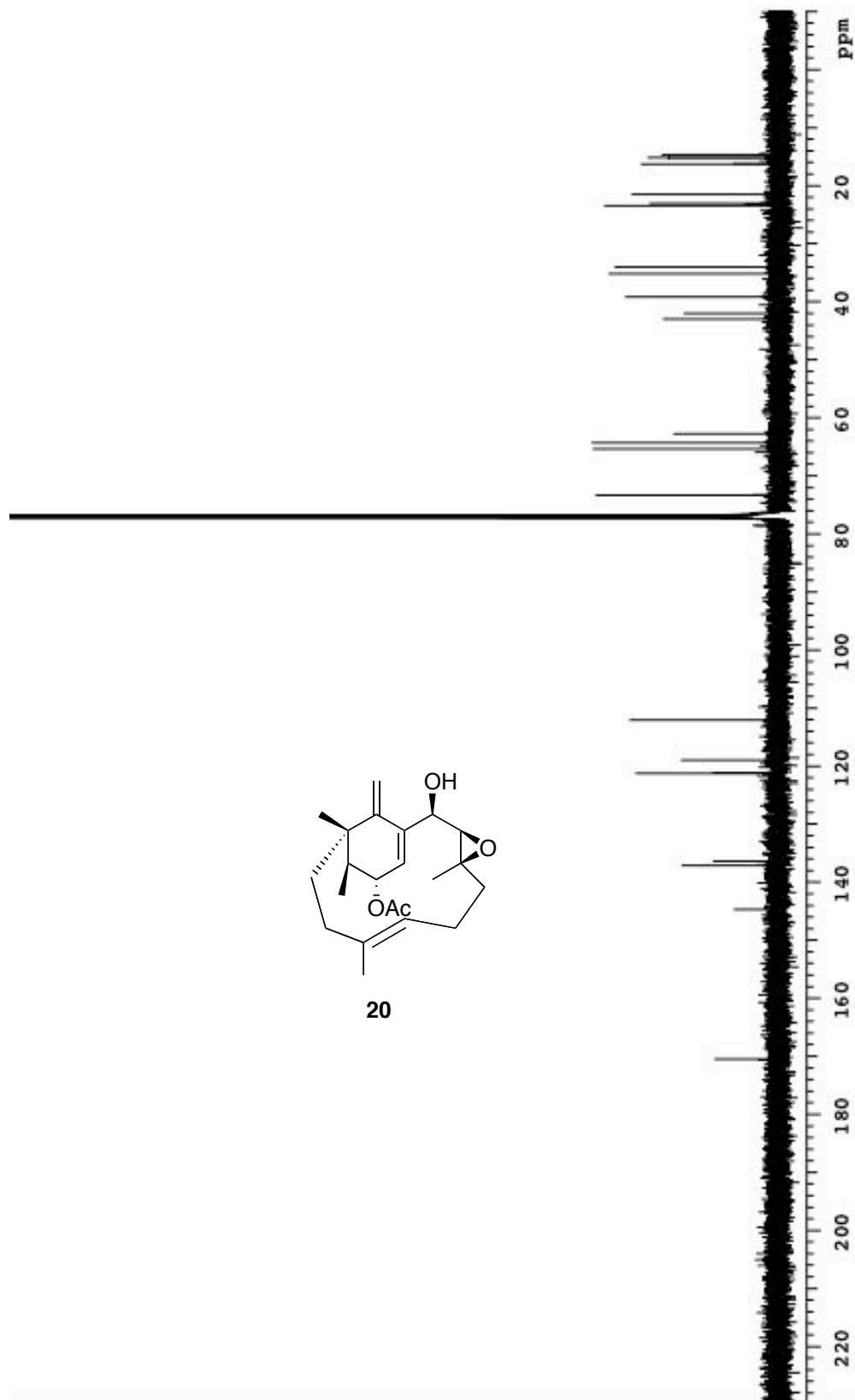


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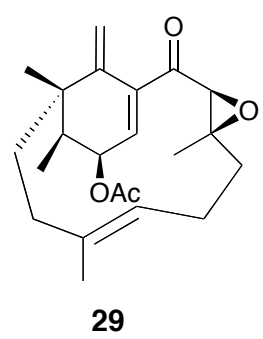
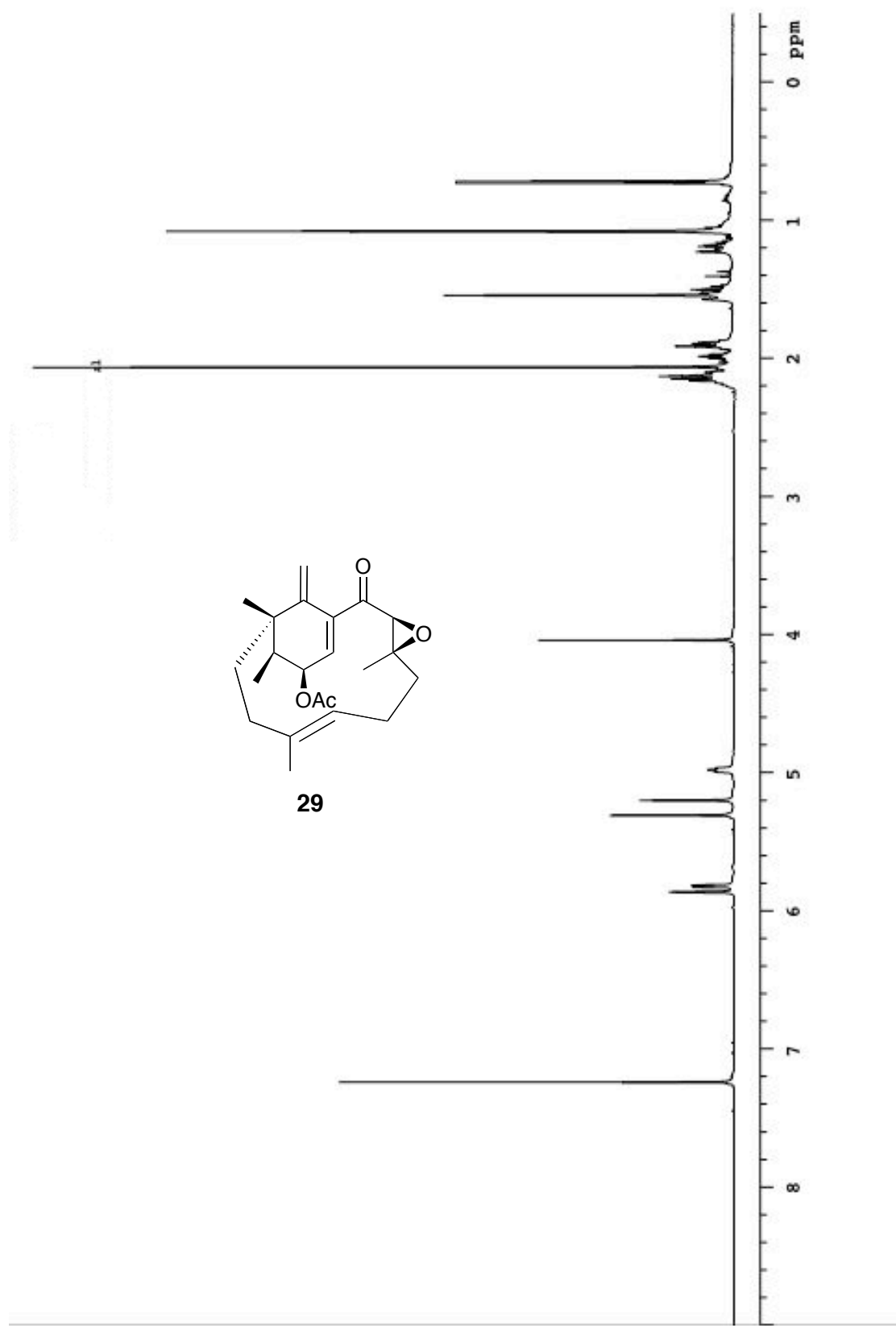




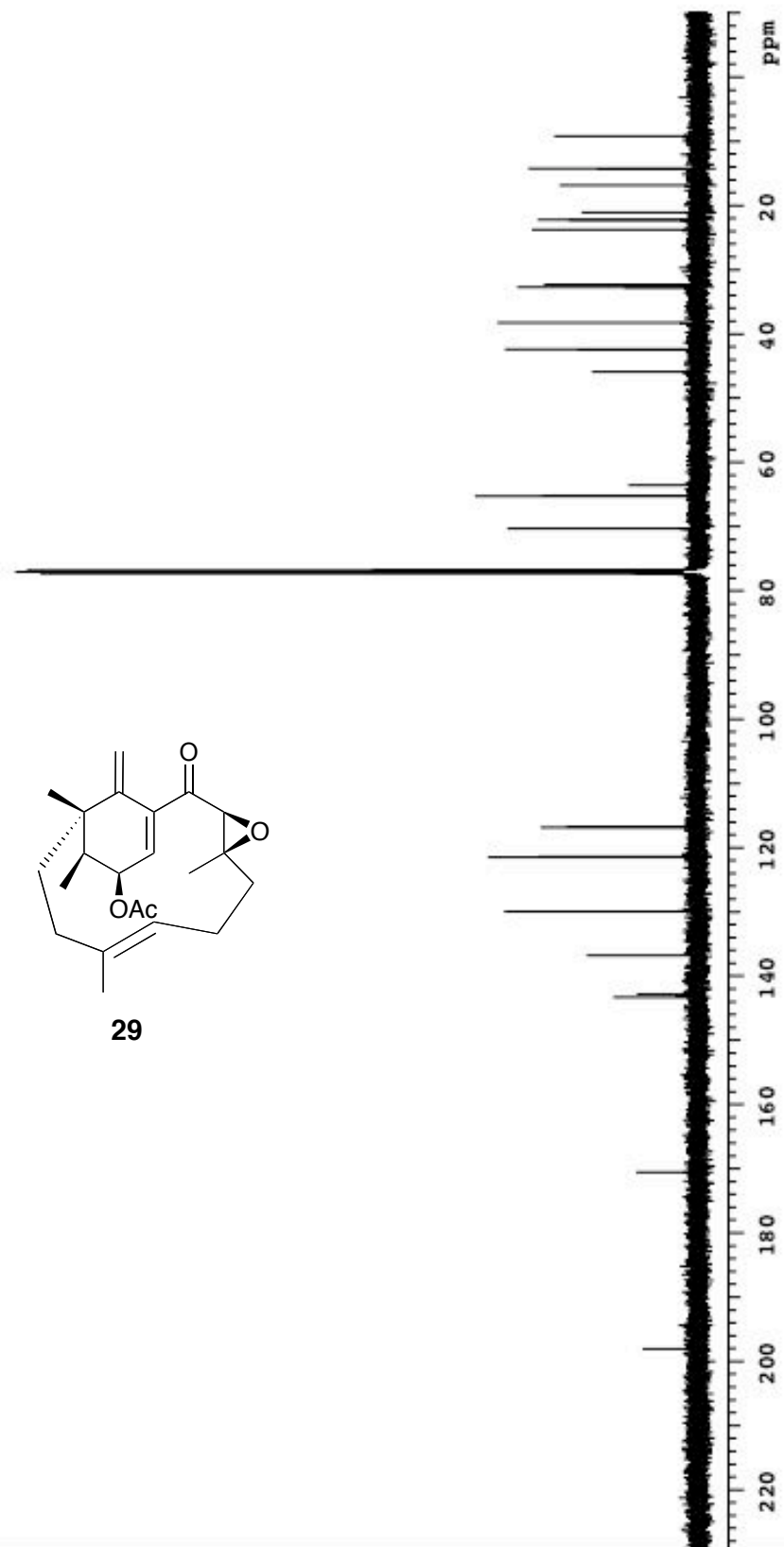


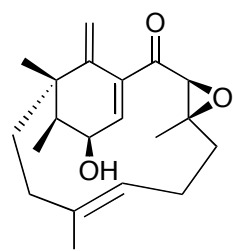
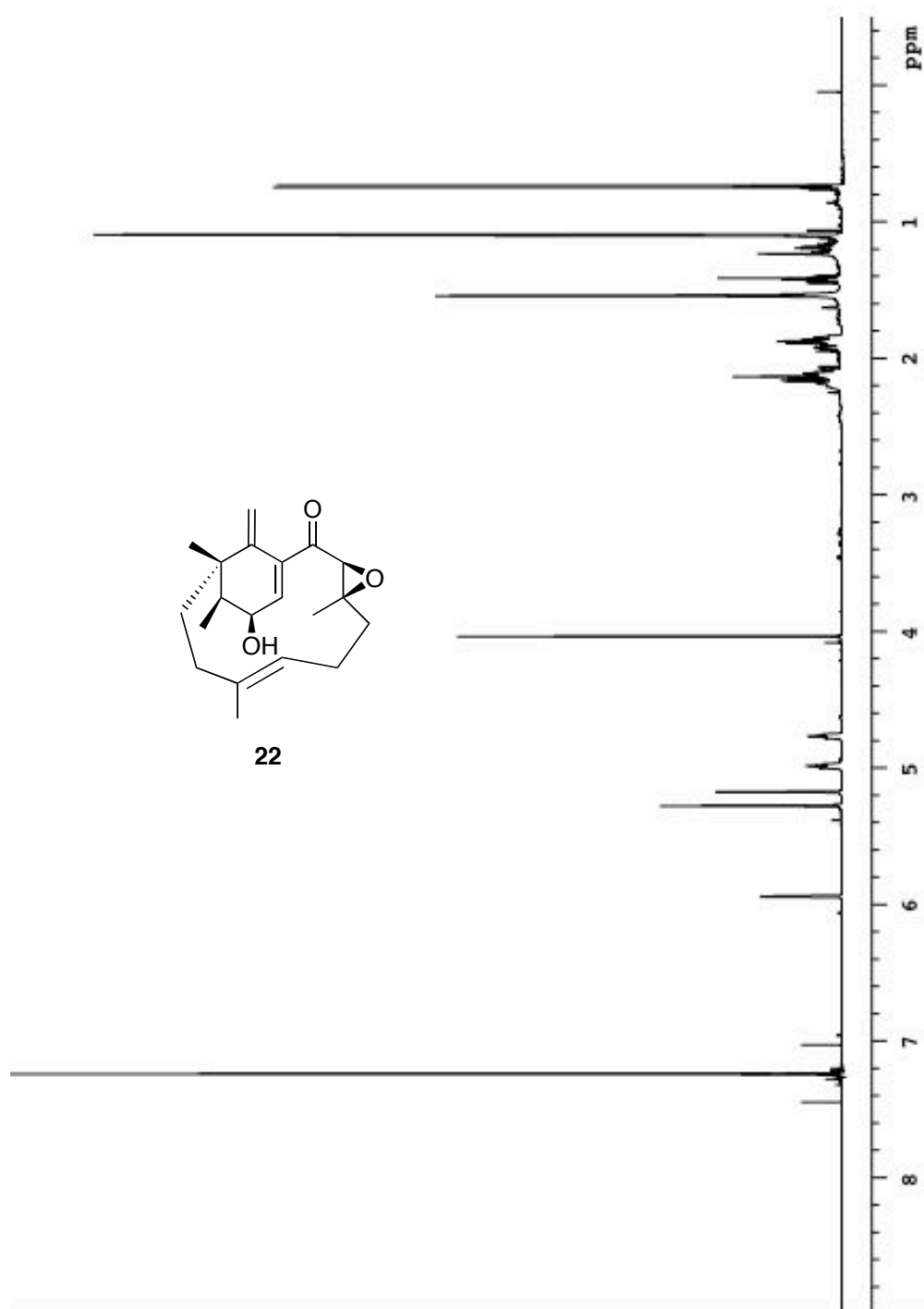


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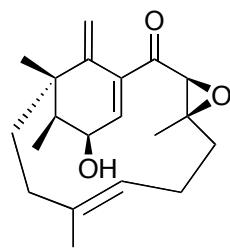




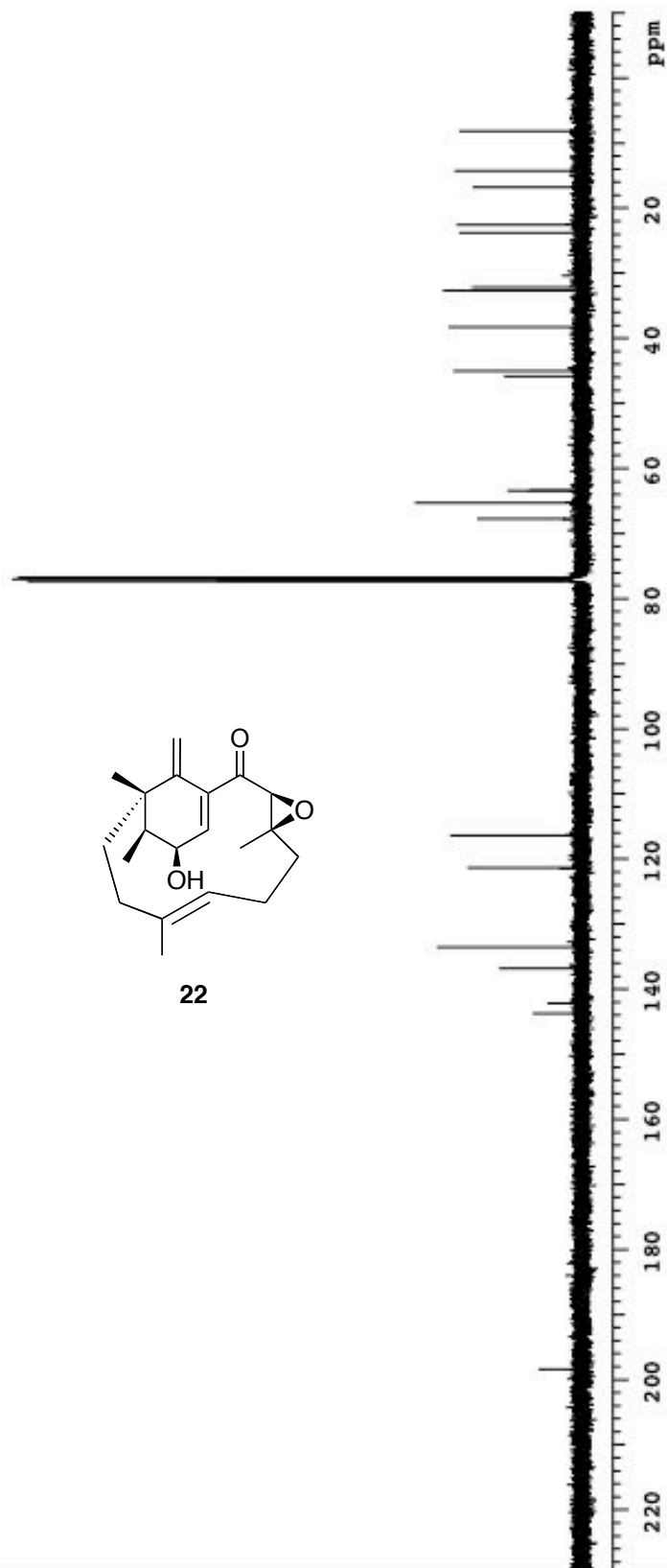


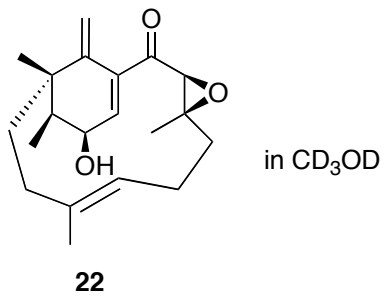
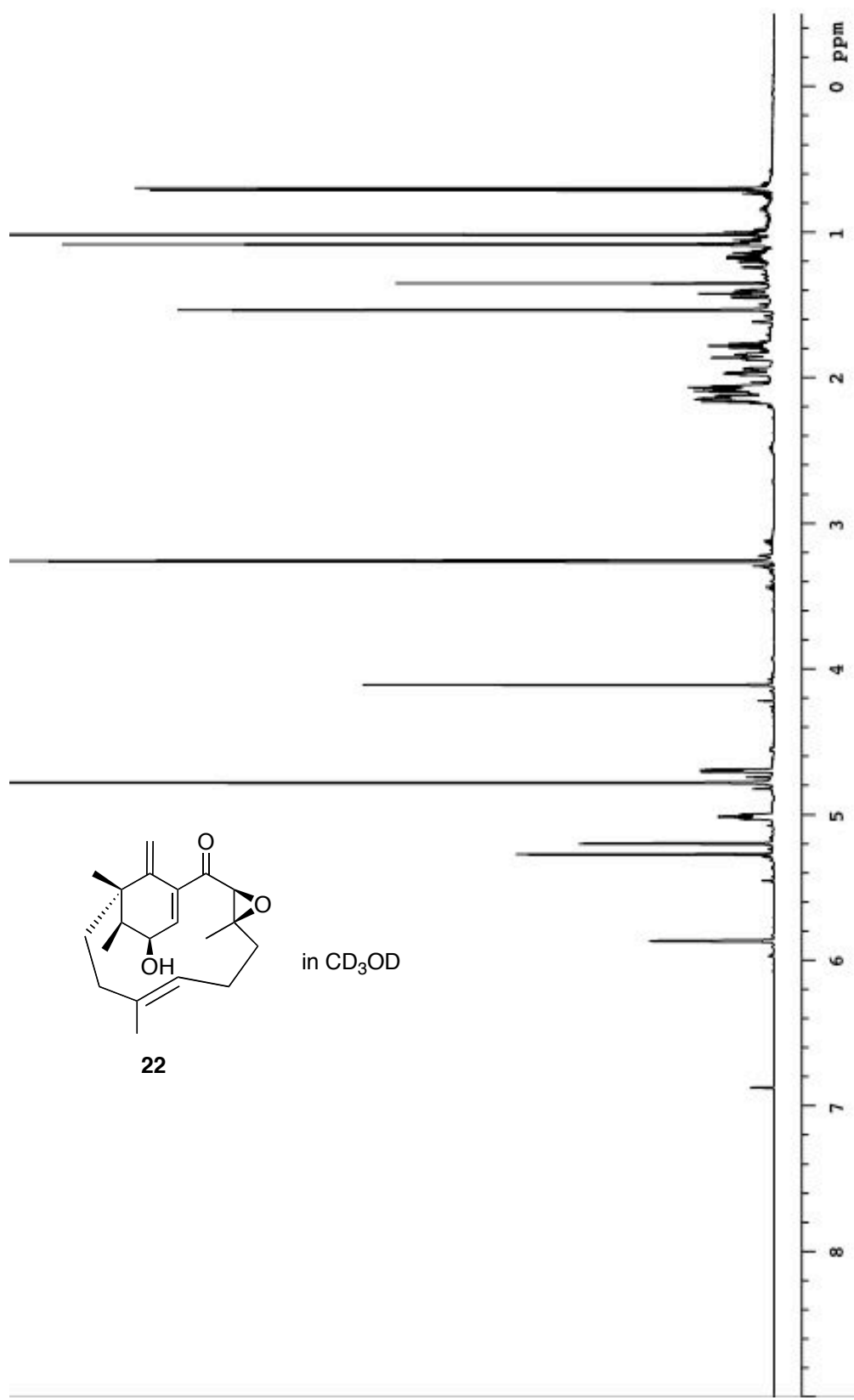


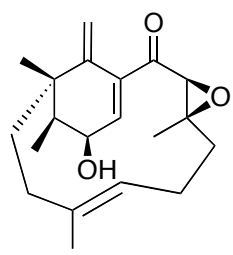
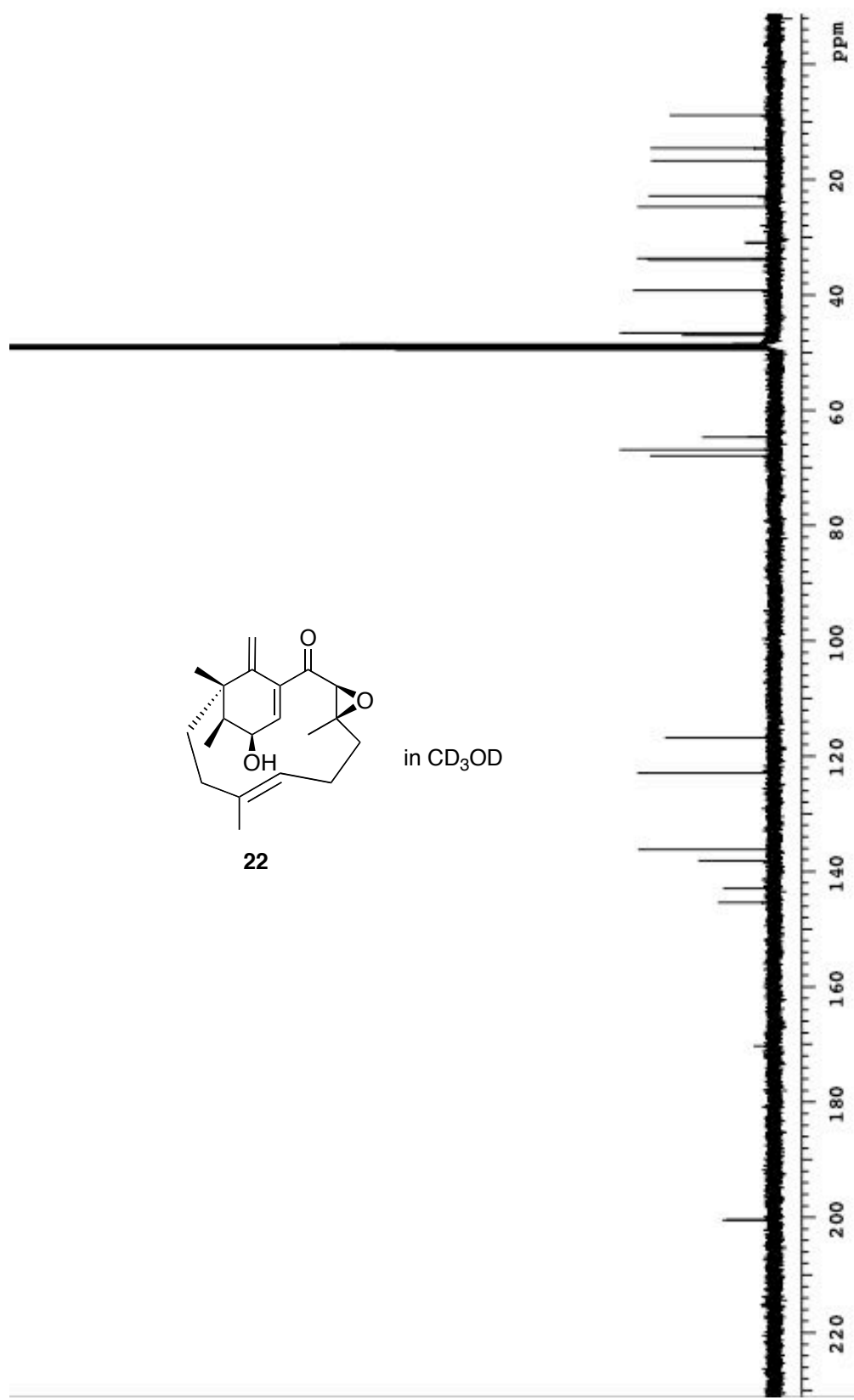
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22

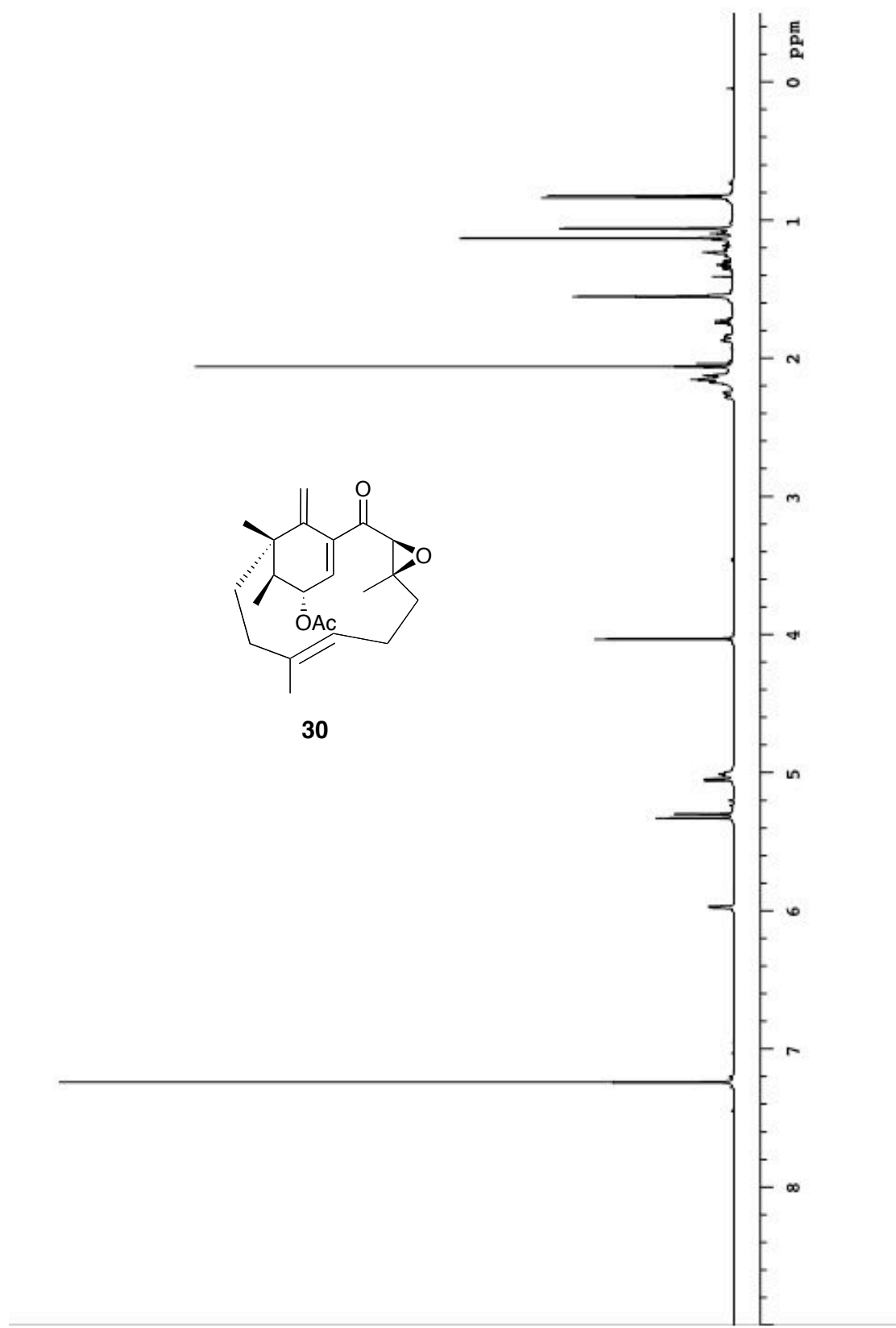


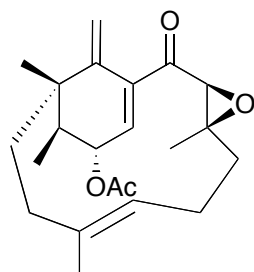
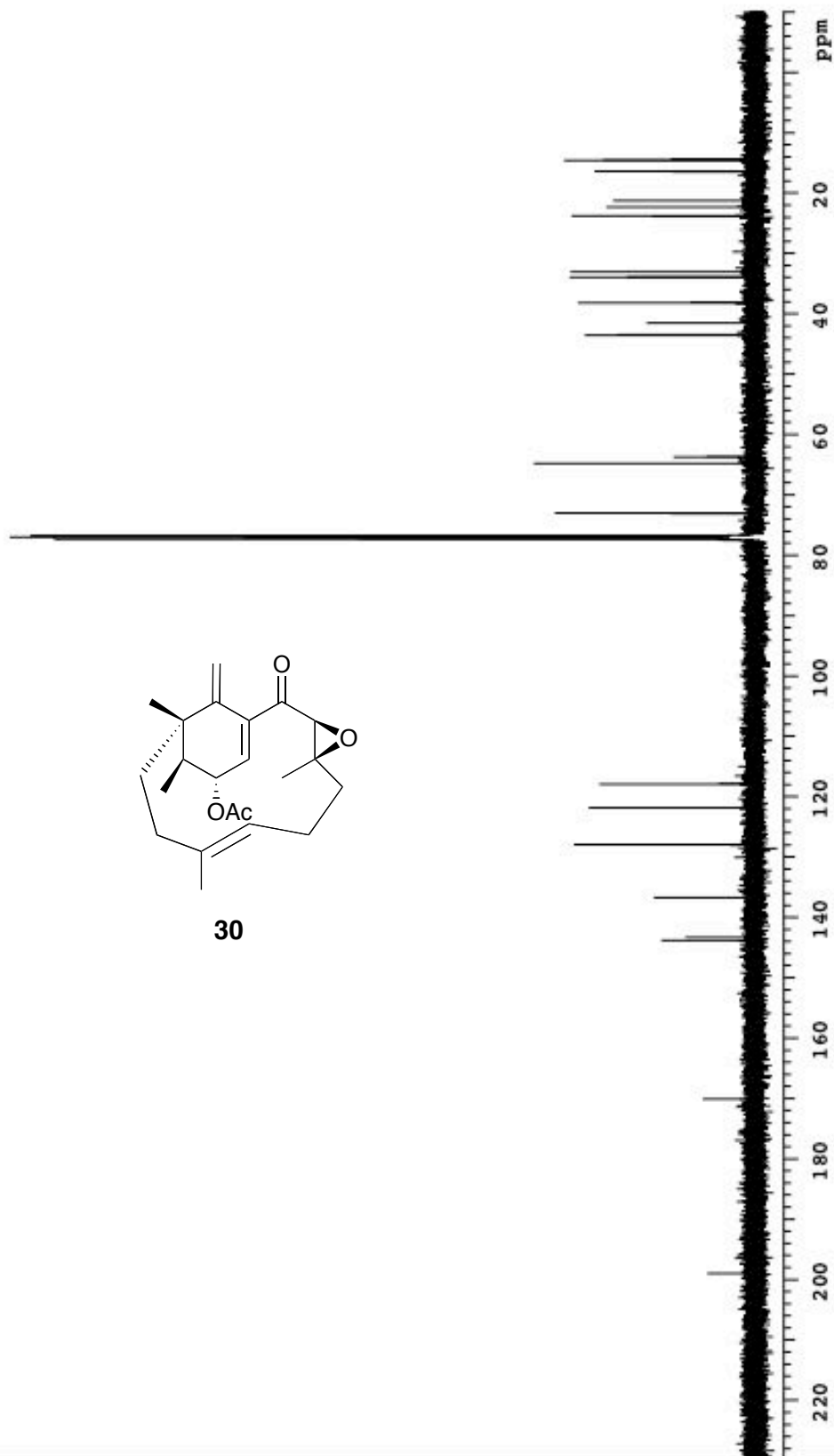




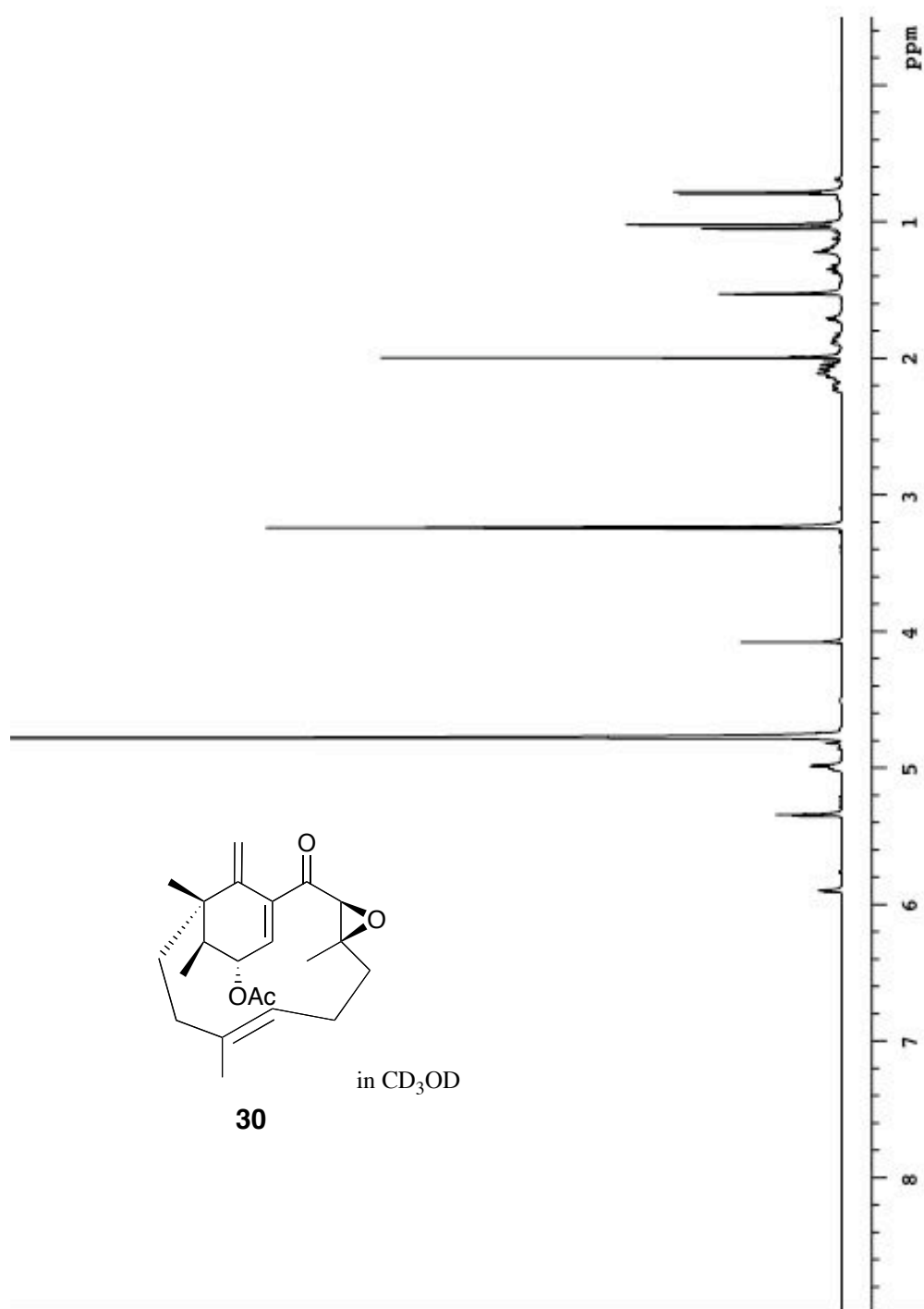
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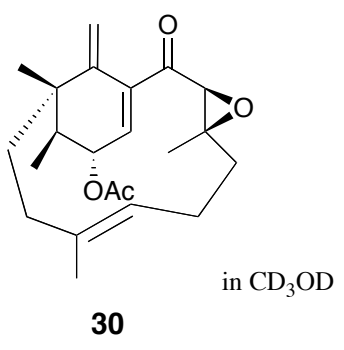
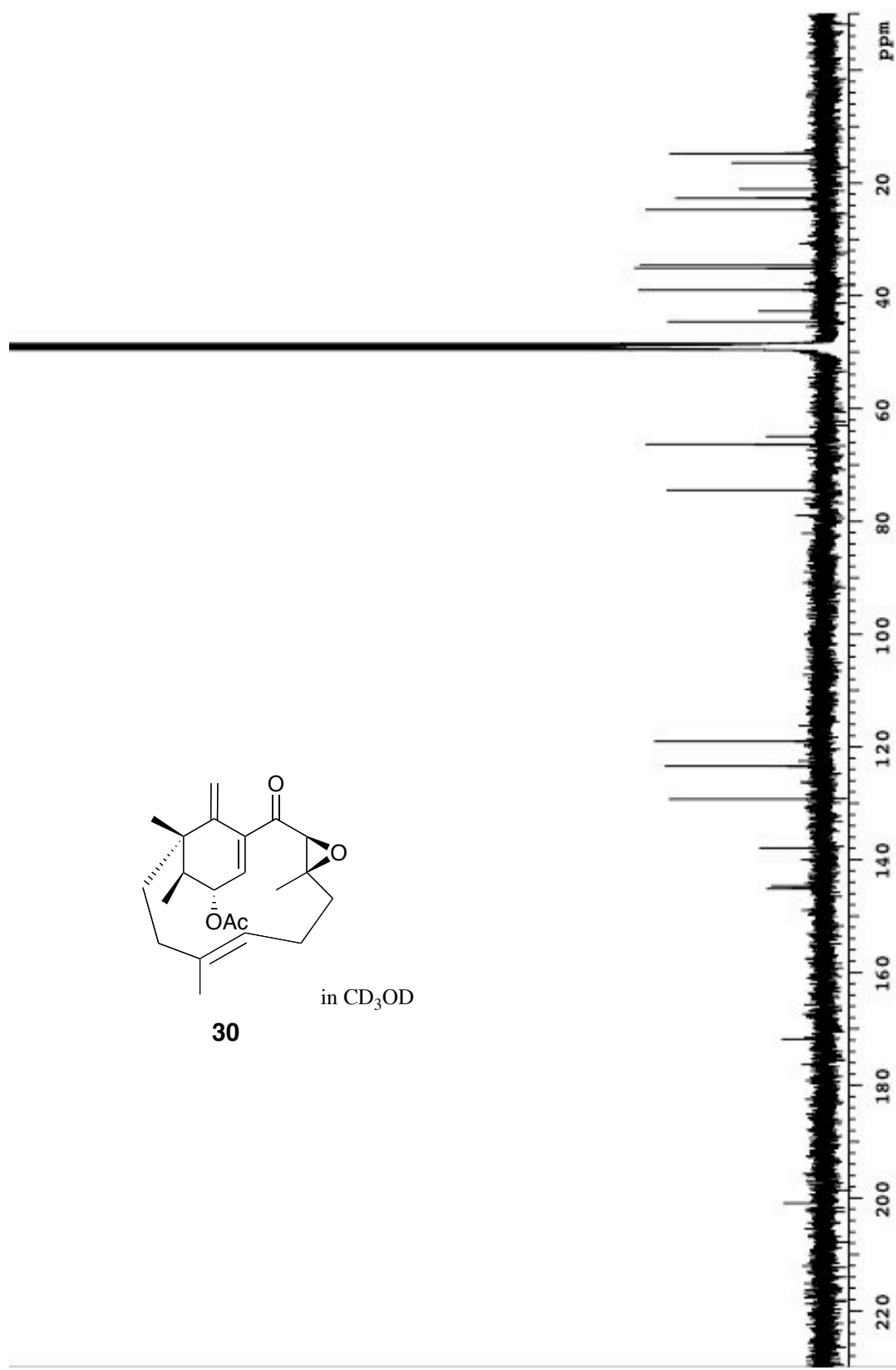


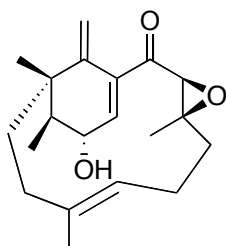


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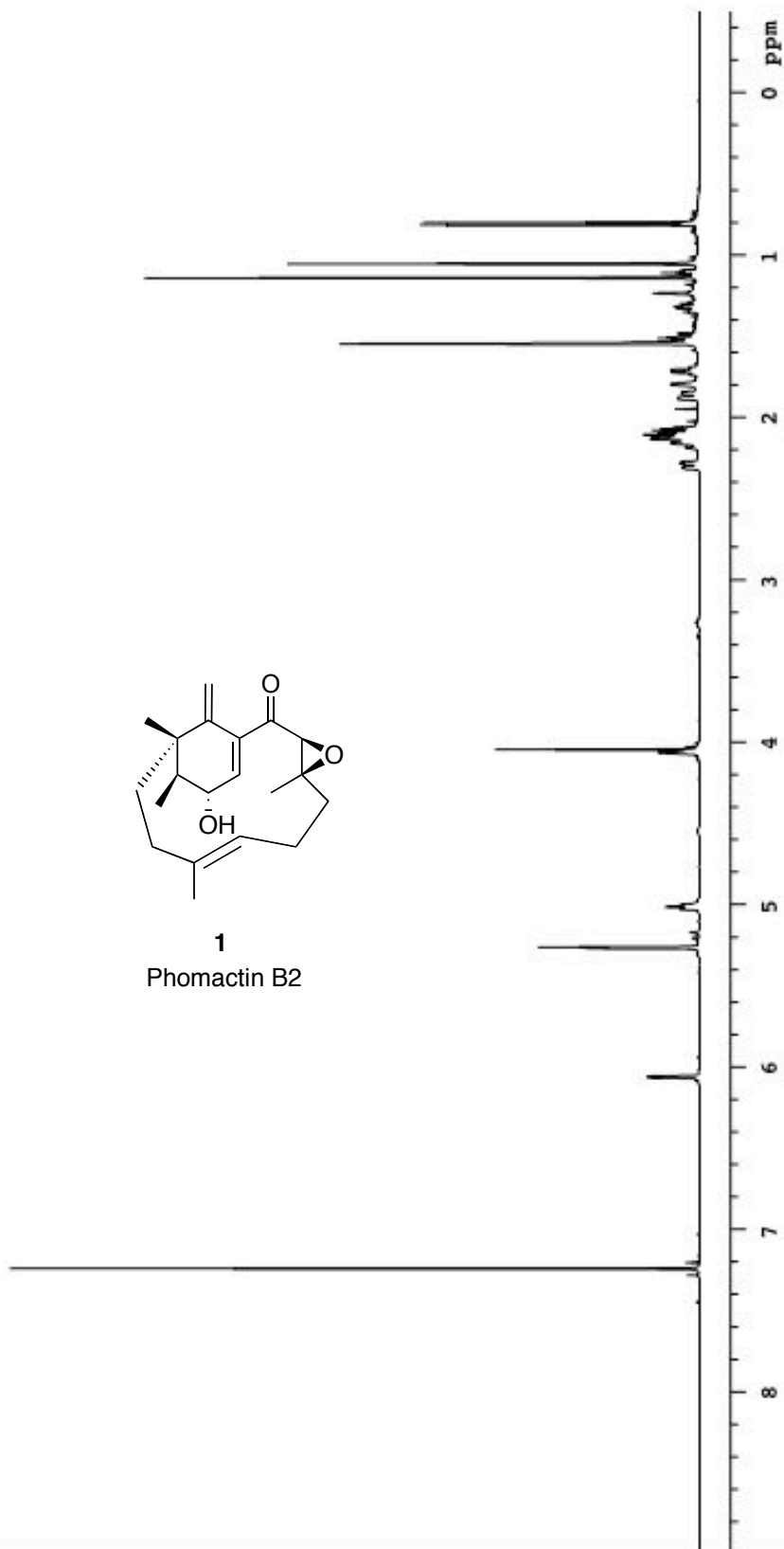


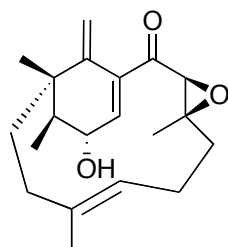




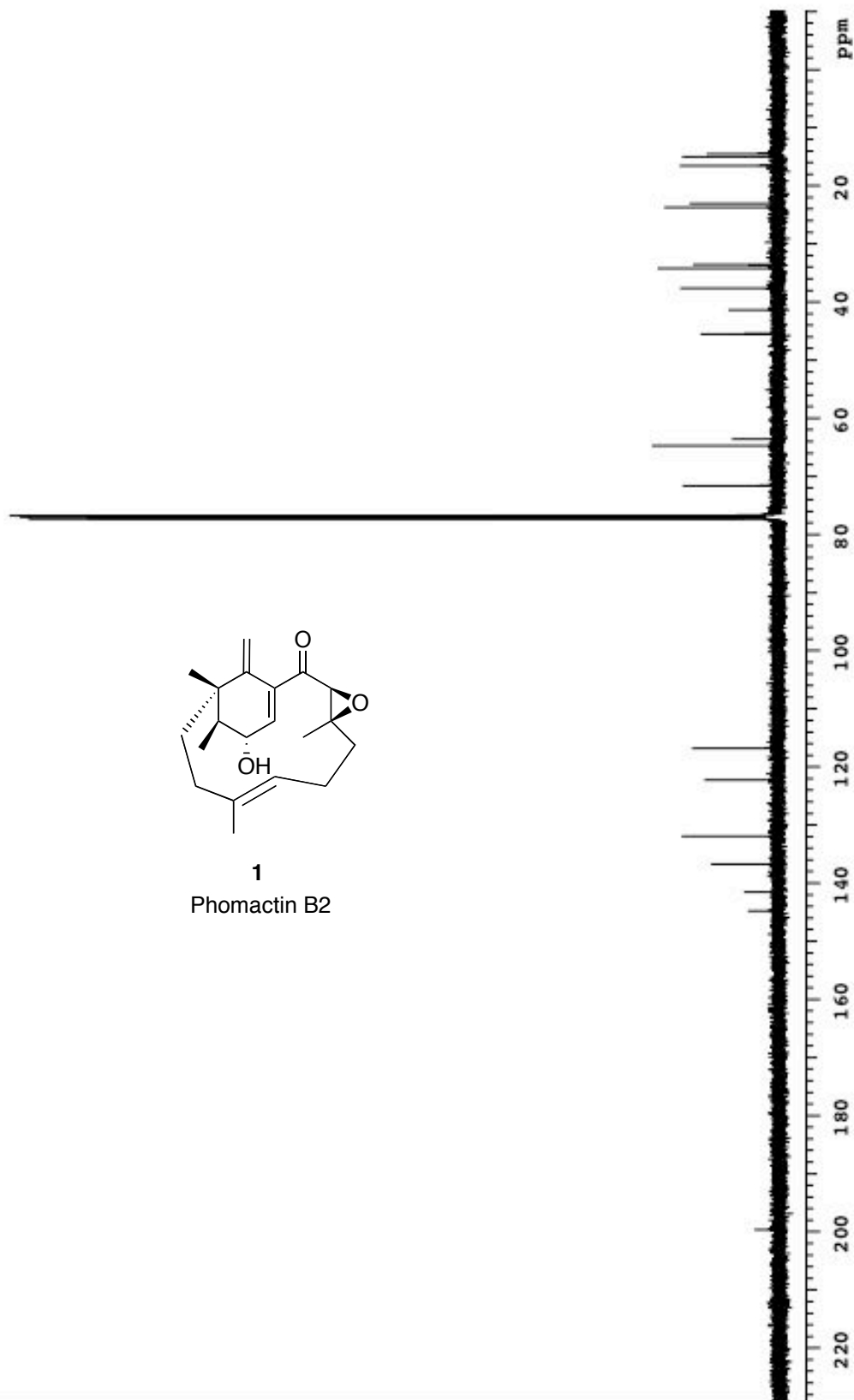
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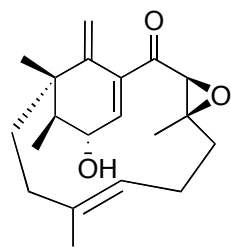
Phomactin B2





**1**  
Phomactin B2

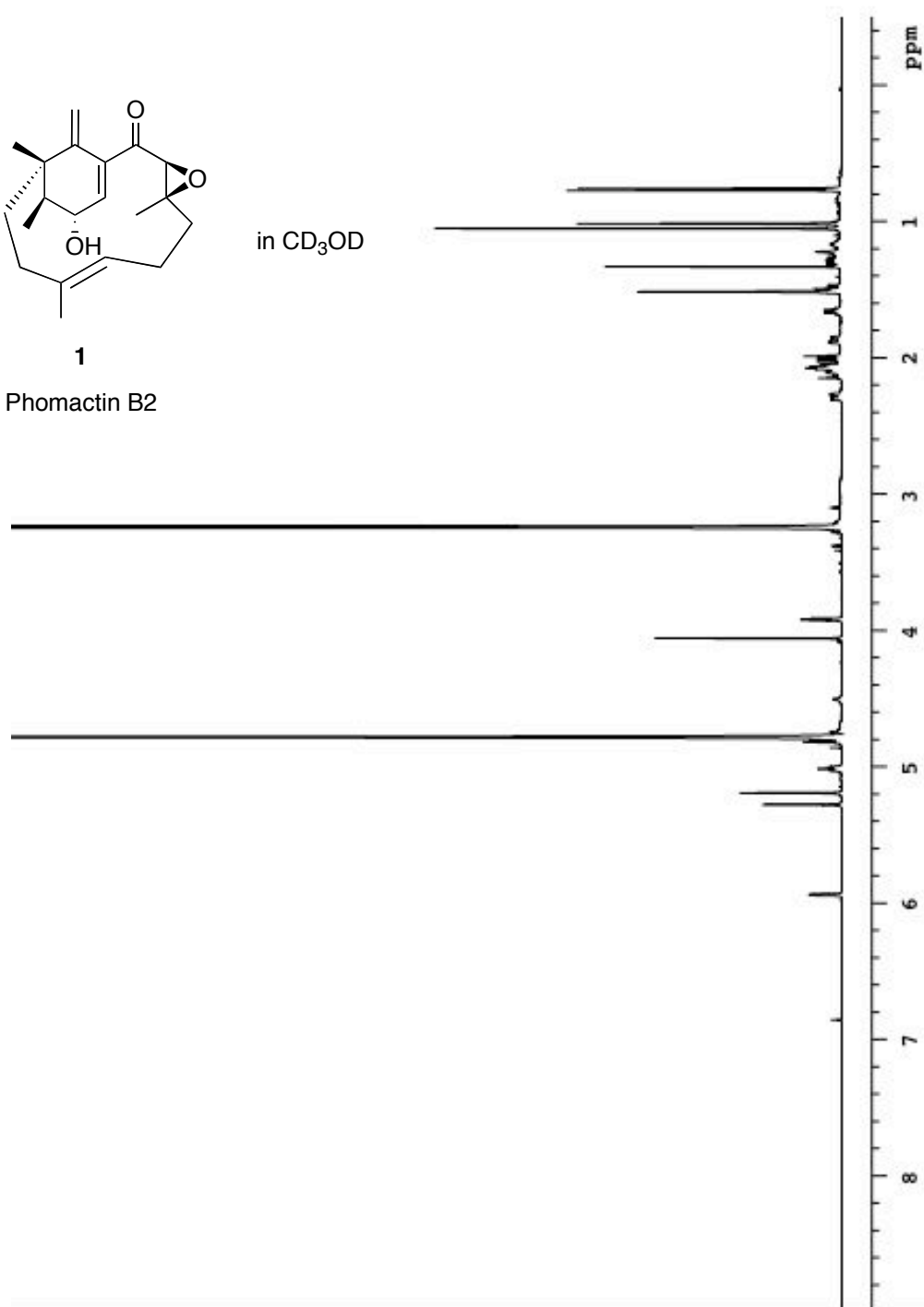


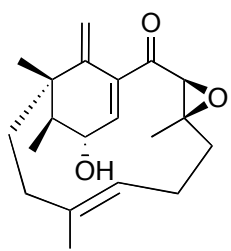


**1**

Phomactin B2

in CD<sub>3</sub>OD

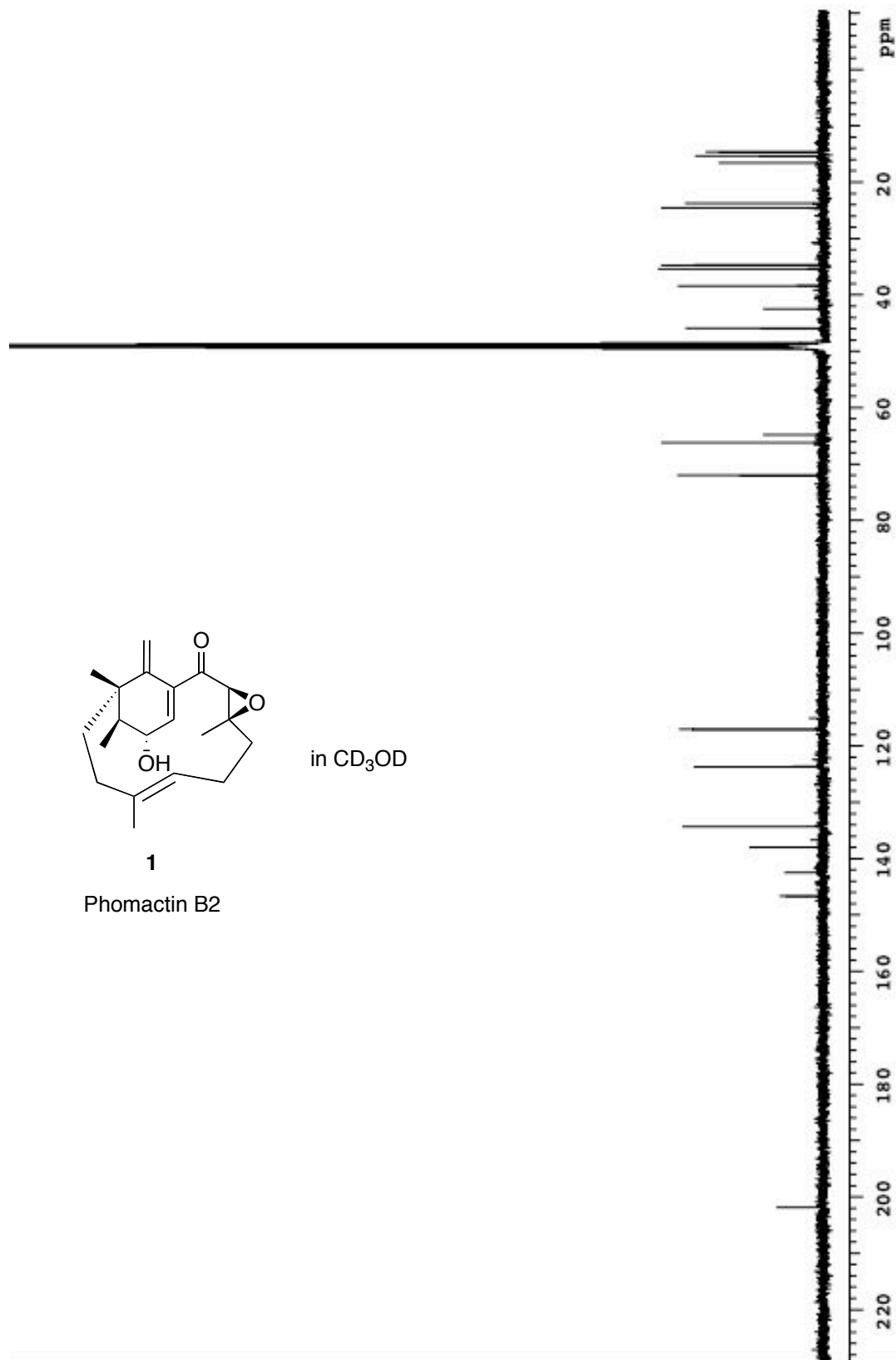


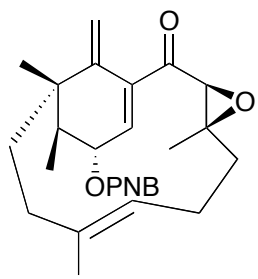


**1**

Phomactin B2

in CD<sub>3</sub>OD





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