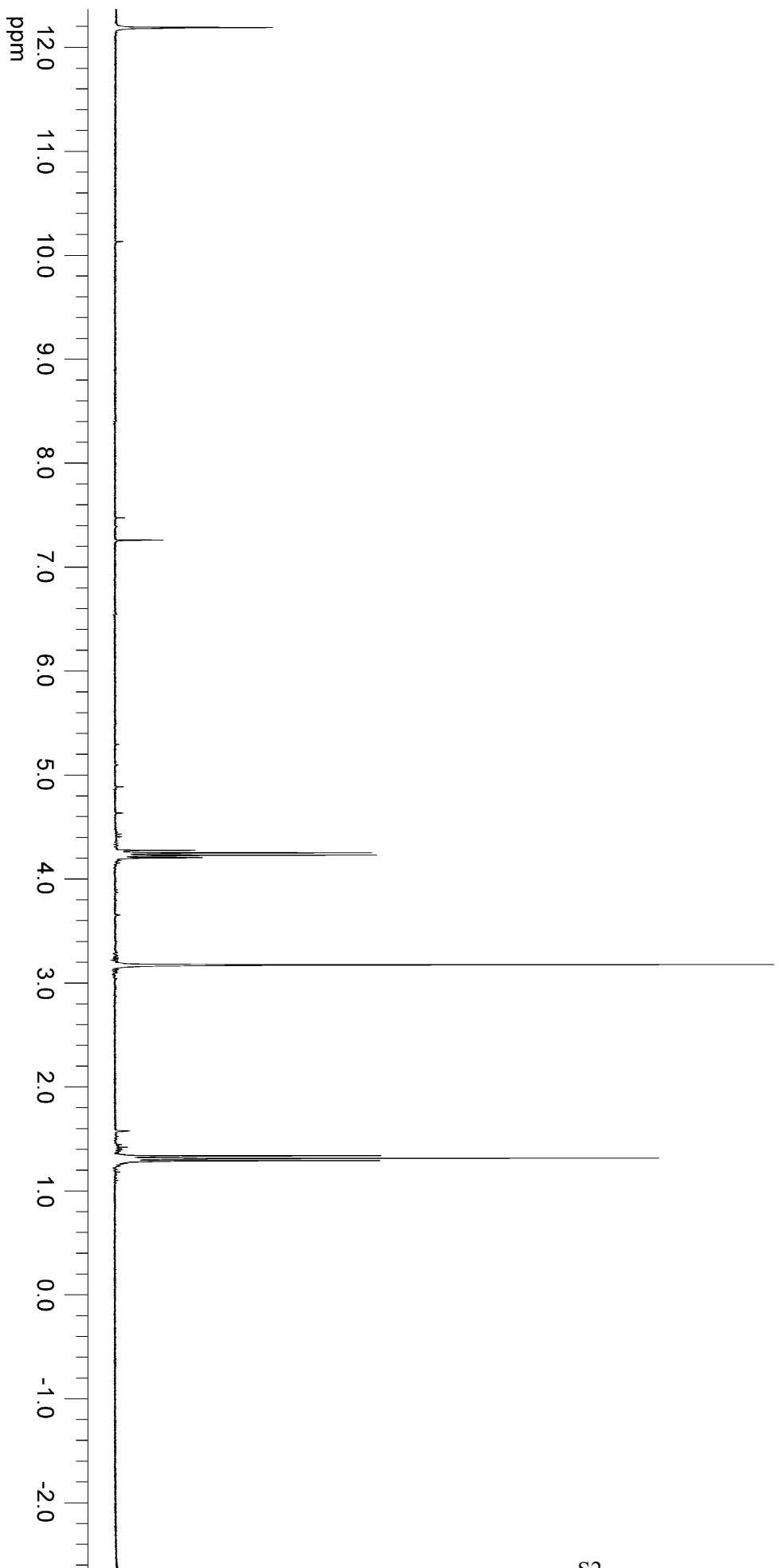
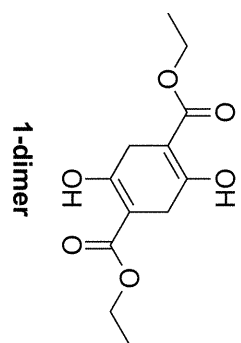
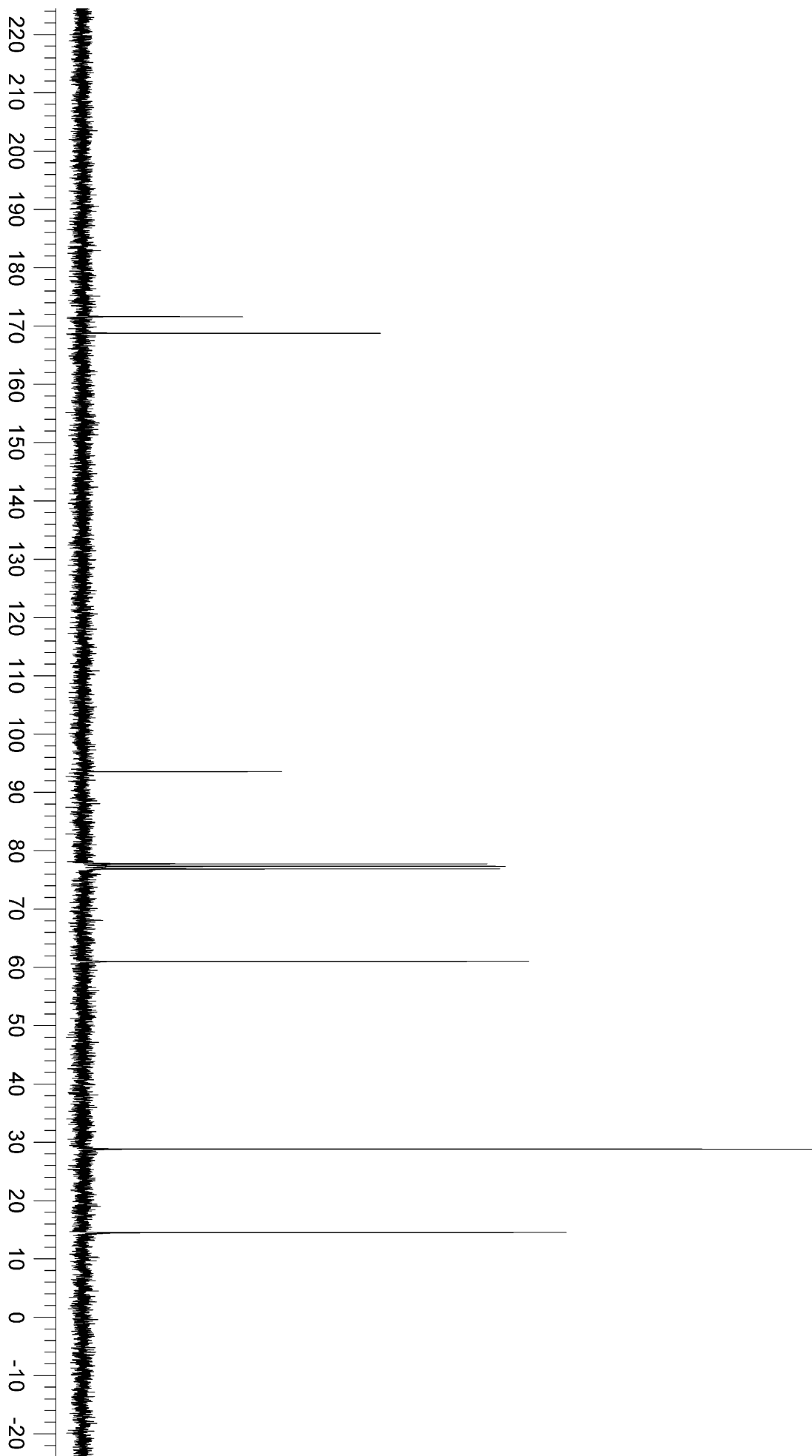
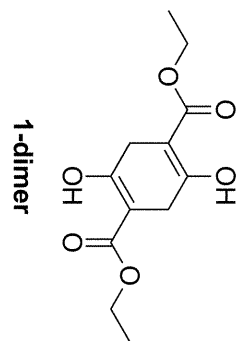


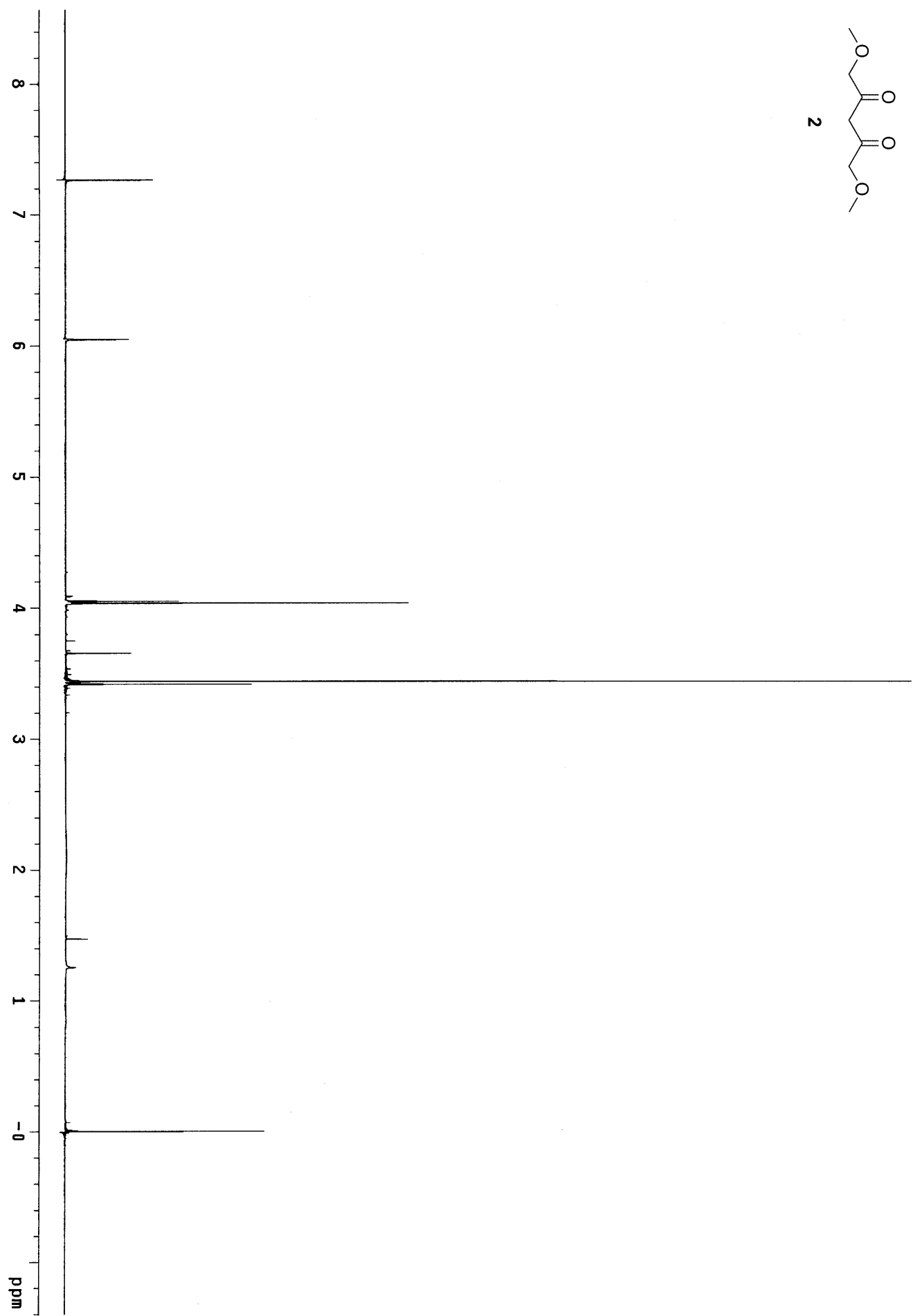
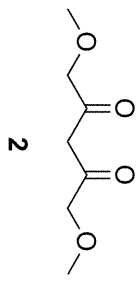
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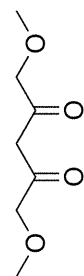
**Synthesis of Diverse Acyclic Precursors to Pyrroles for  
Studies of Prebiotic Routes to Tetrapyrrole Macrocycles**

Vanampally Chandrasher, Marcin Ptaszek, Masahiko Taniguchi and Jonathan S. Lindsey

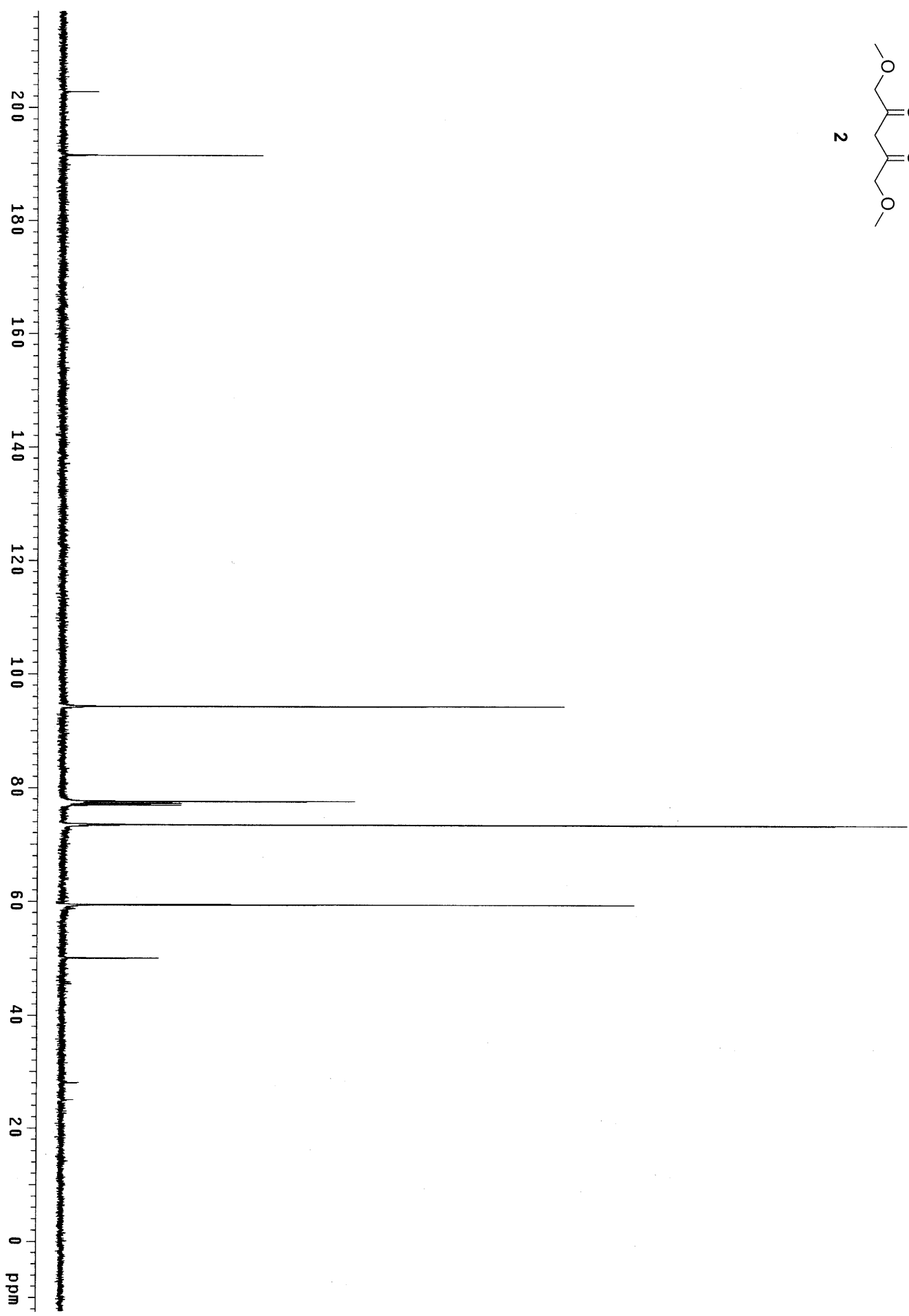


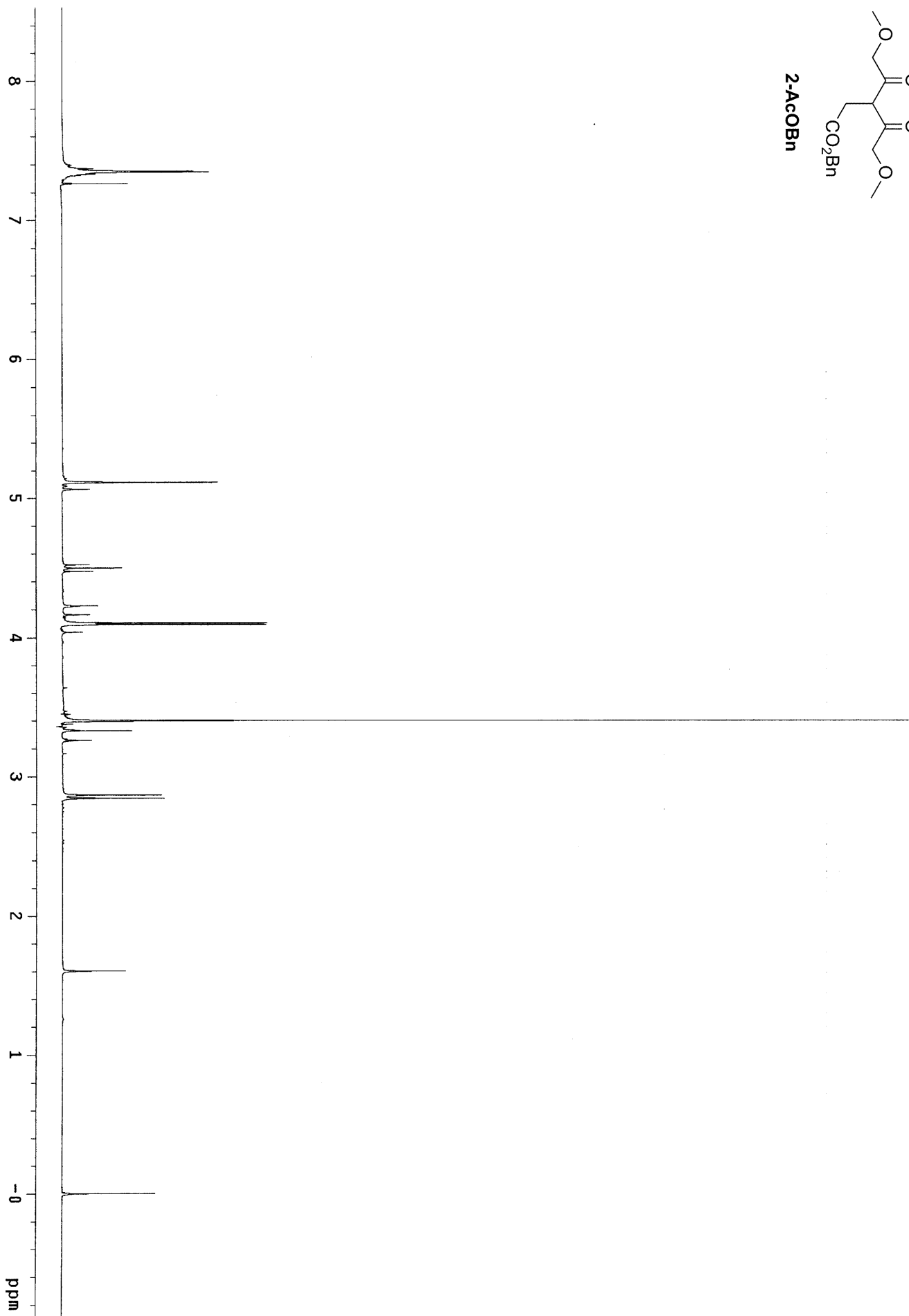
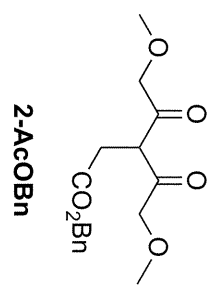


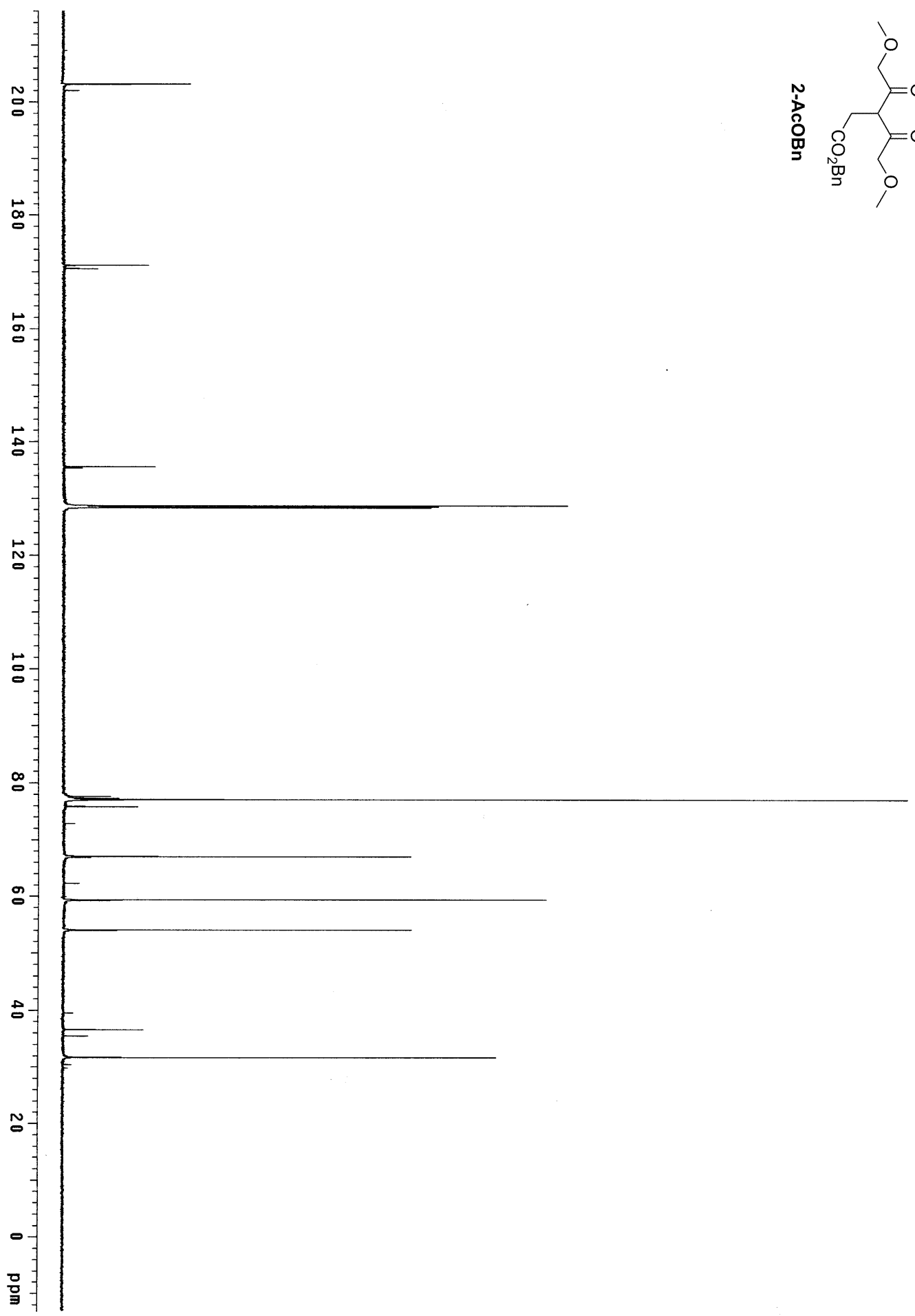
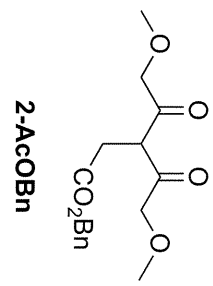


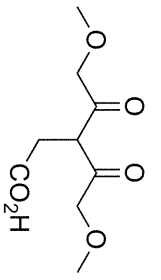


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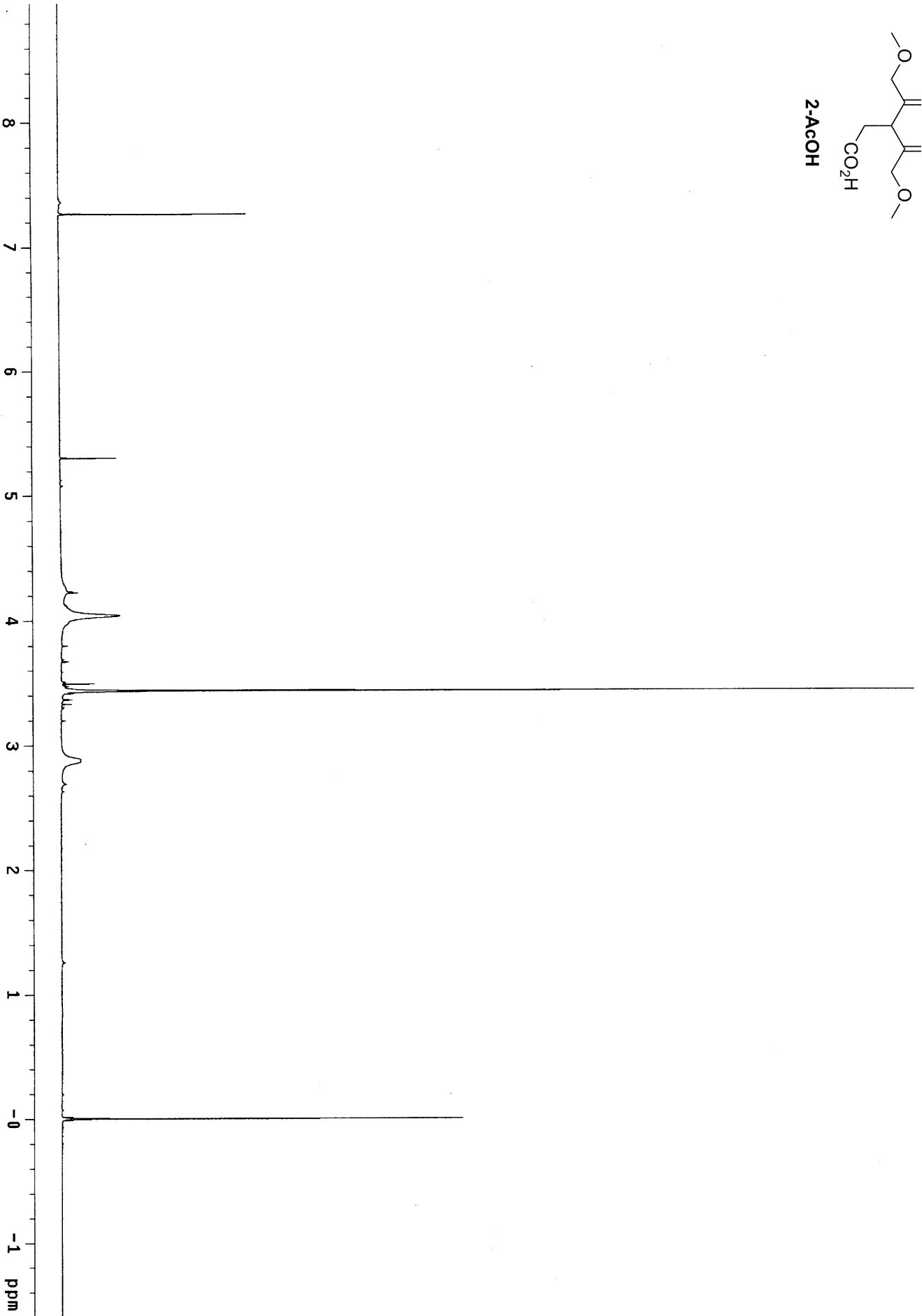




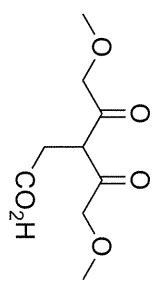




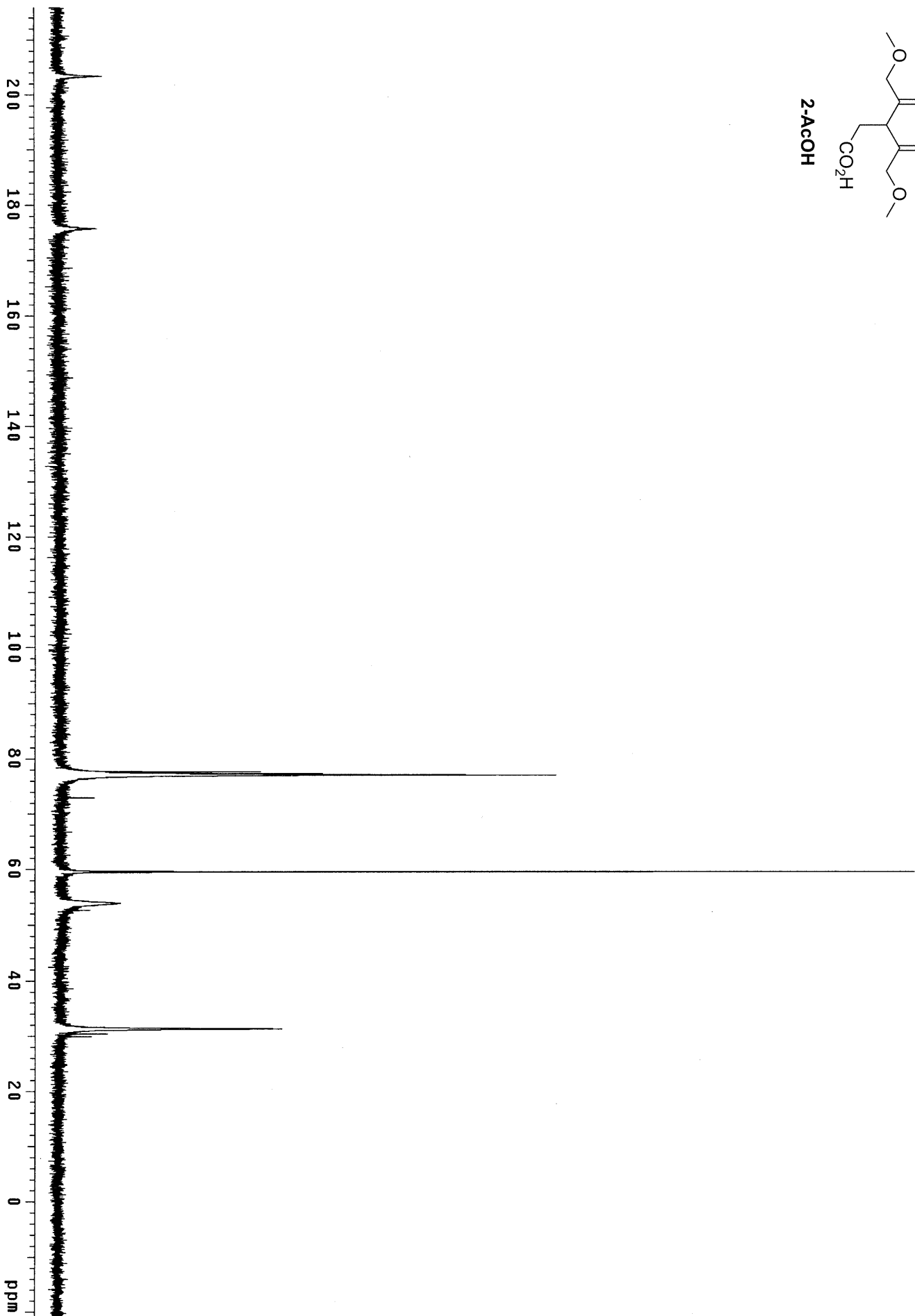
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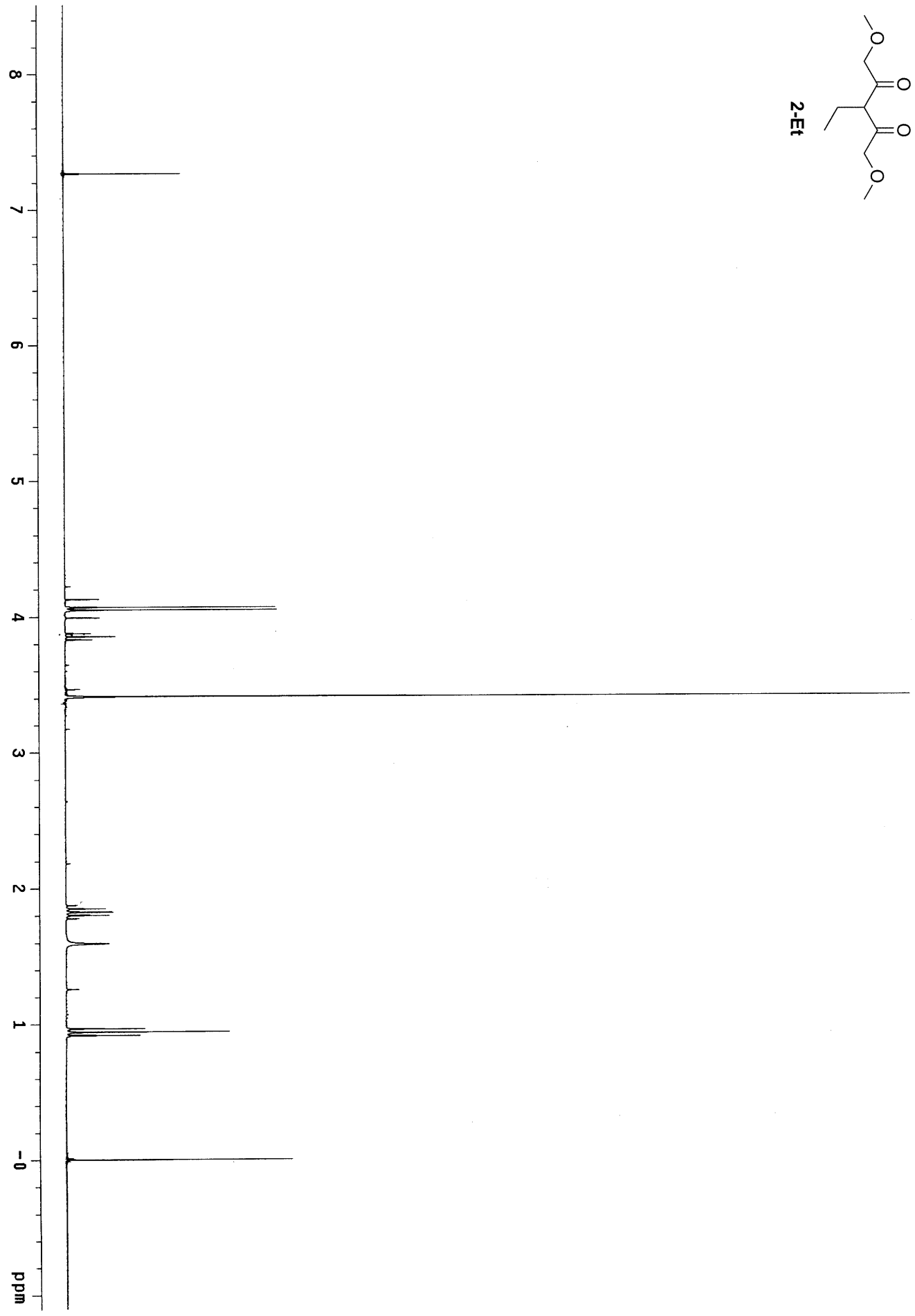
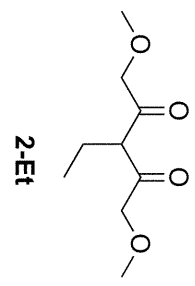


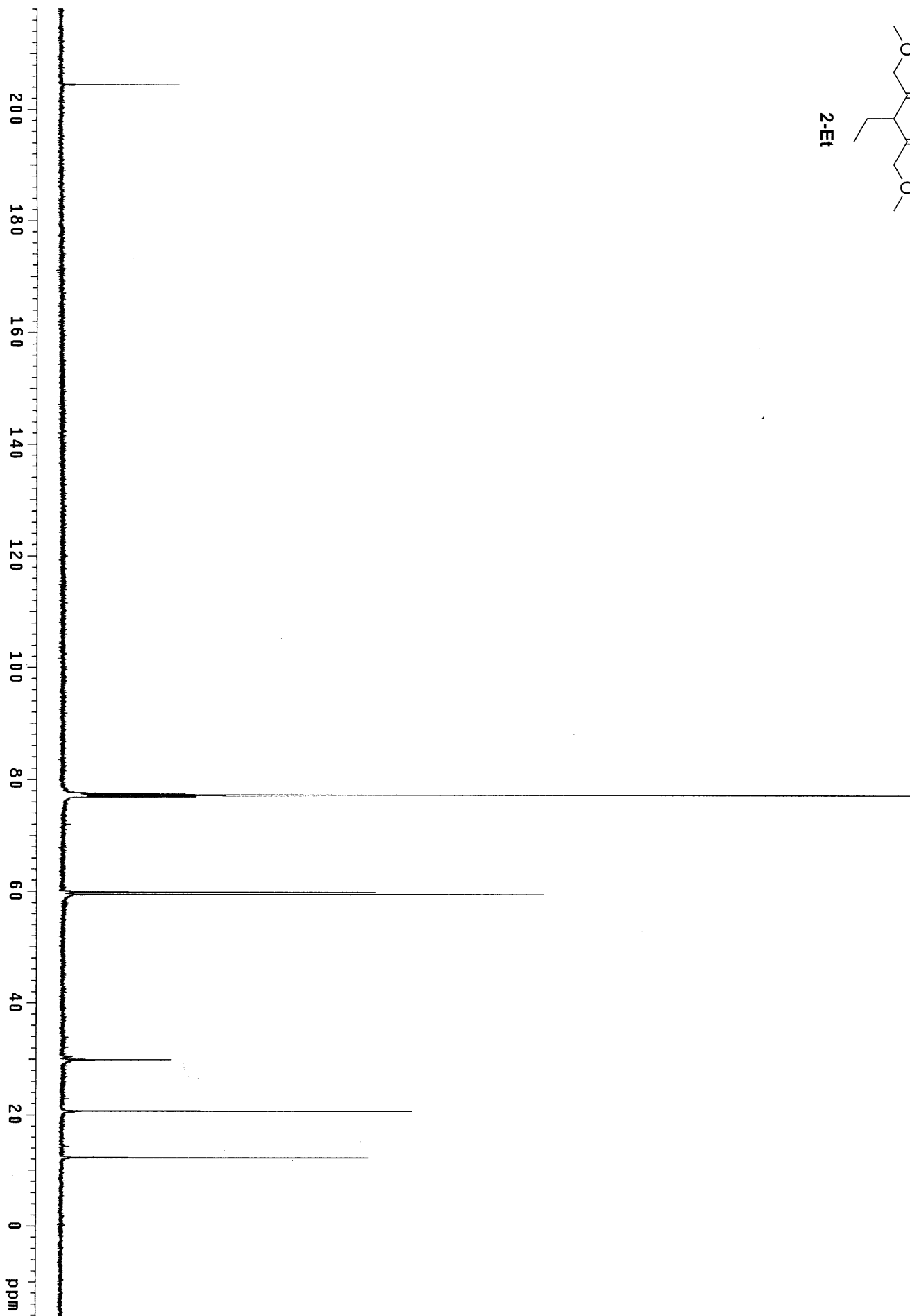
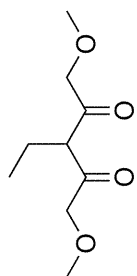


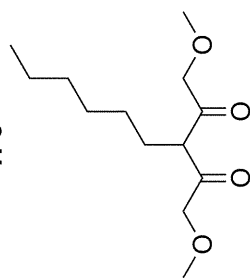


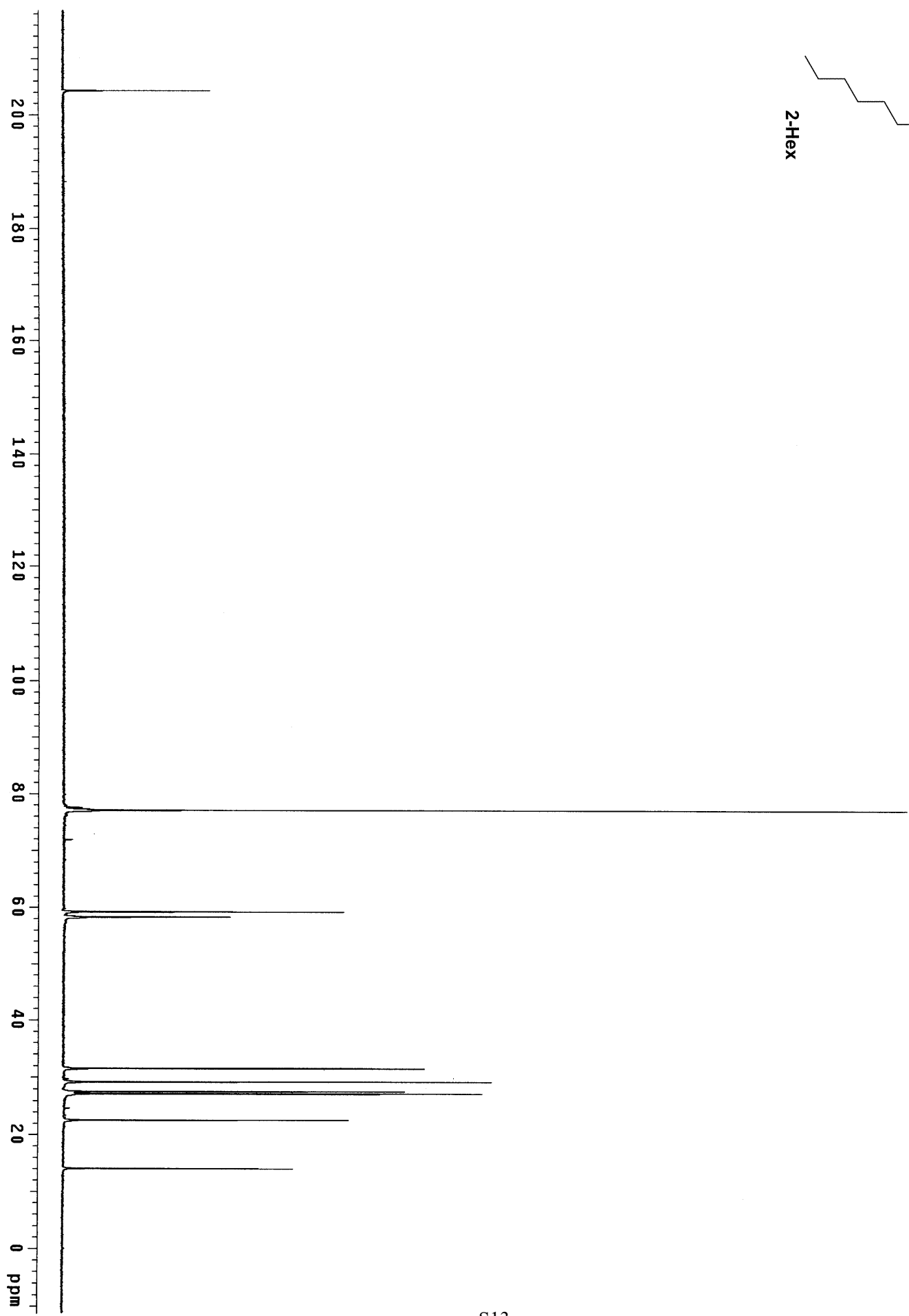
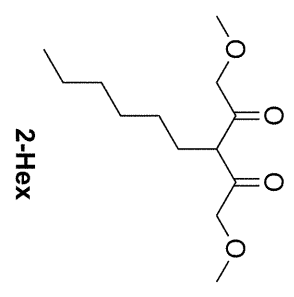
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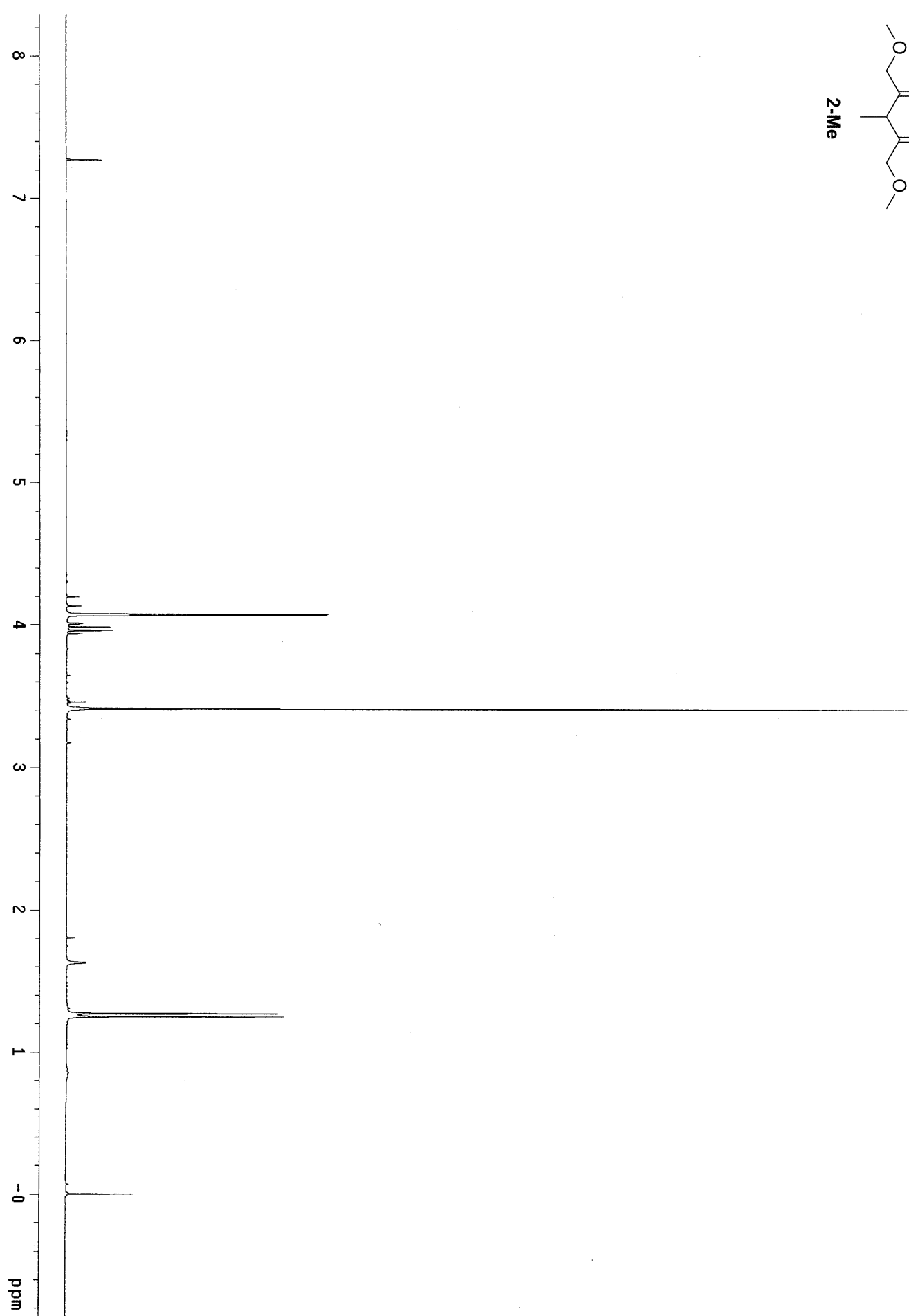
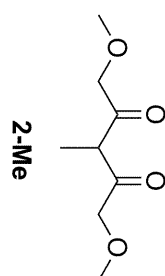


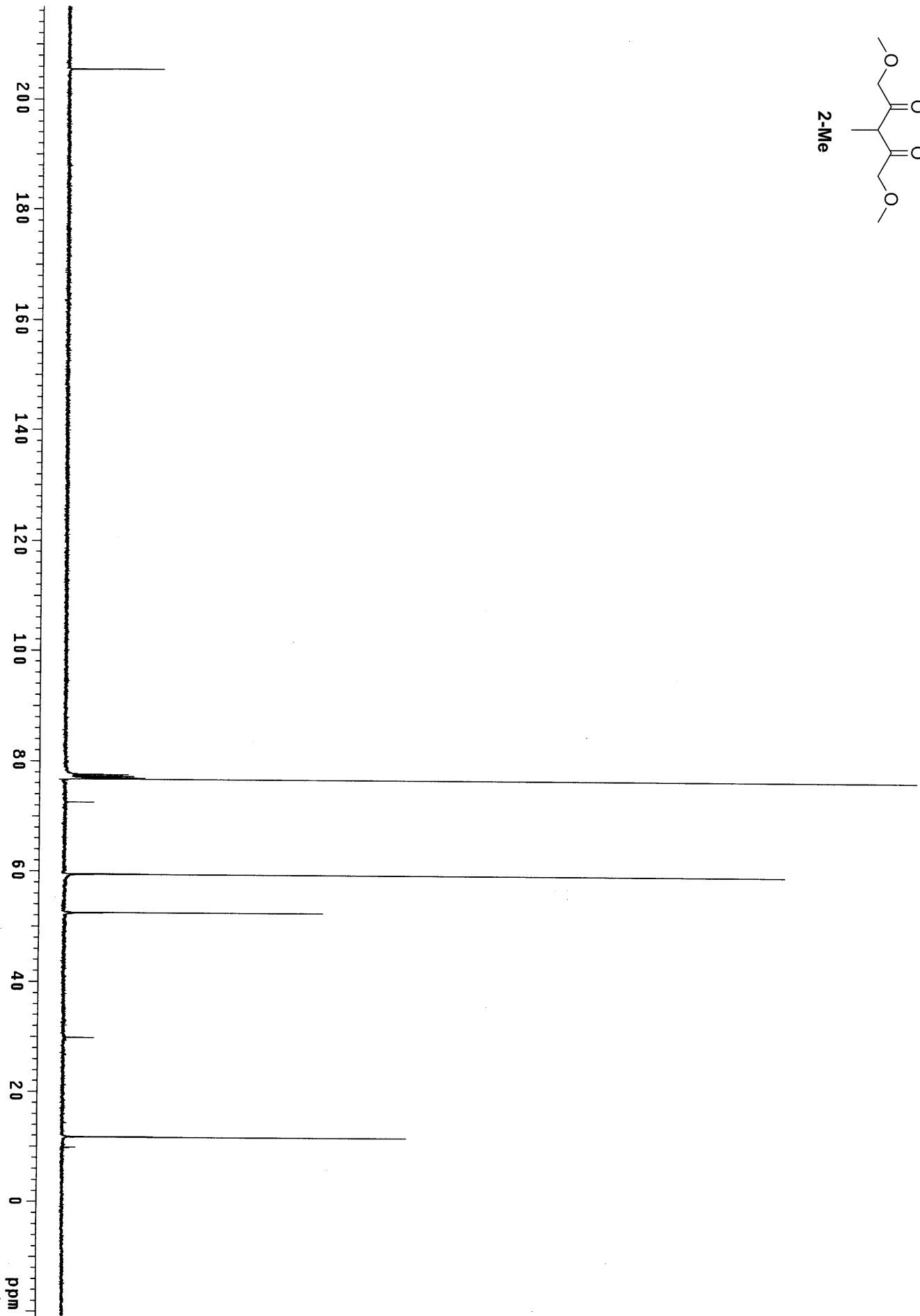
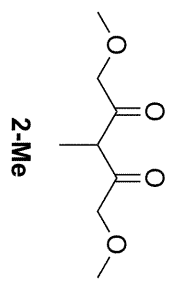


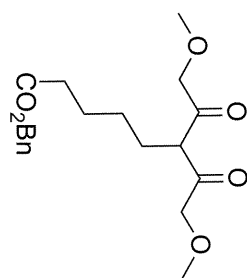




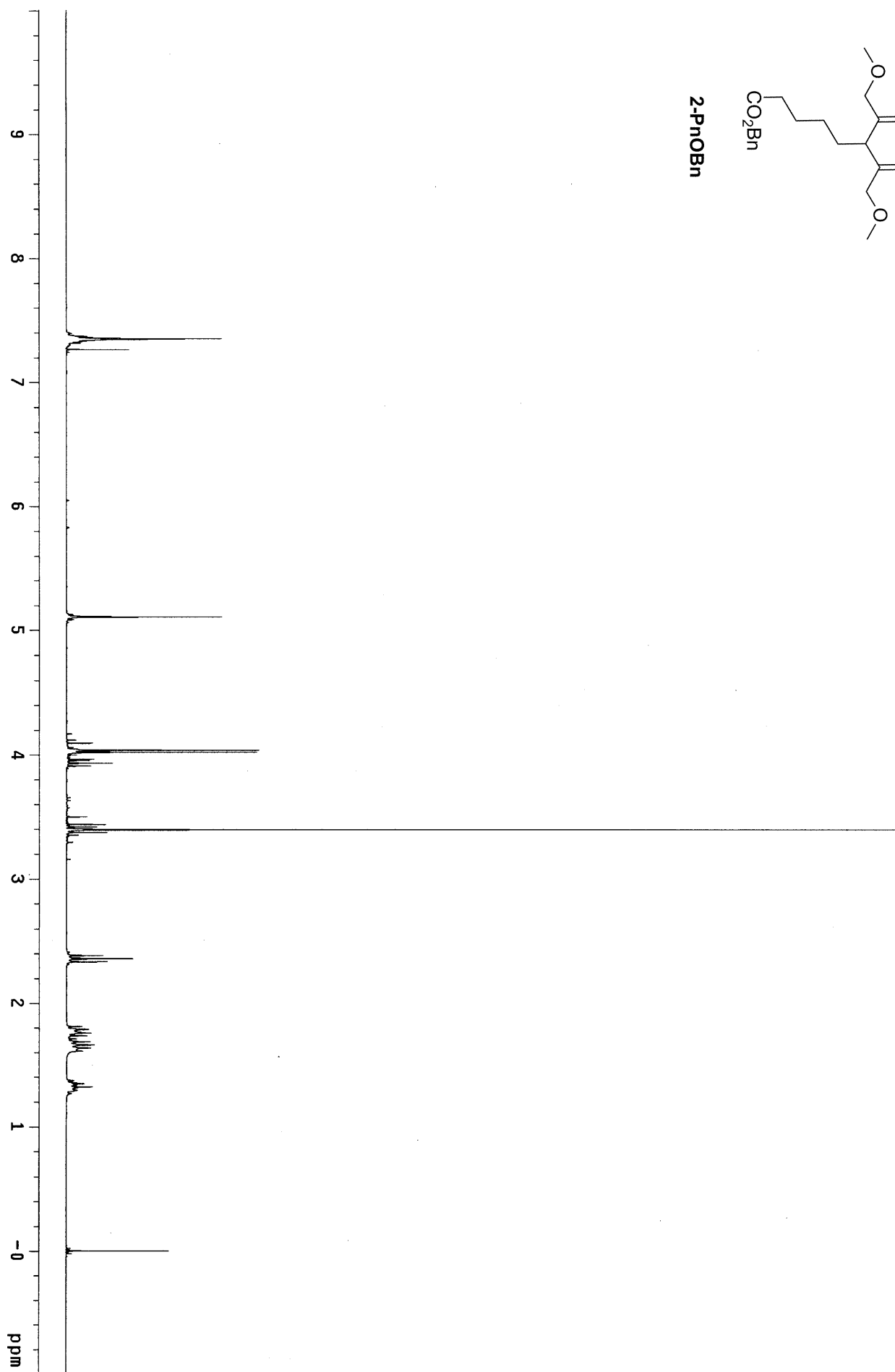




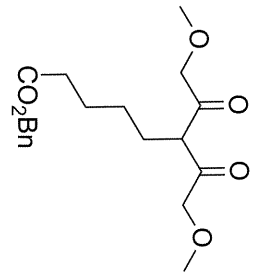




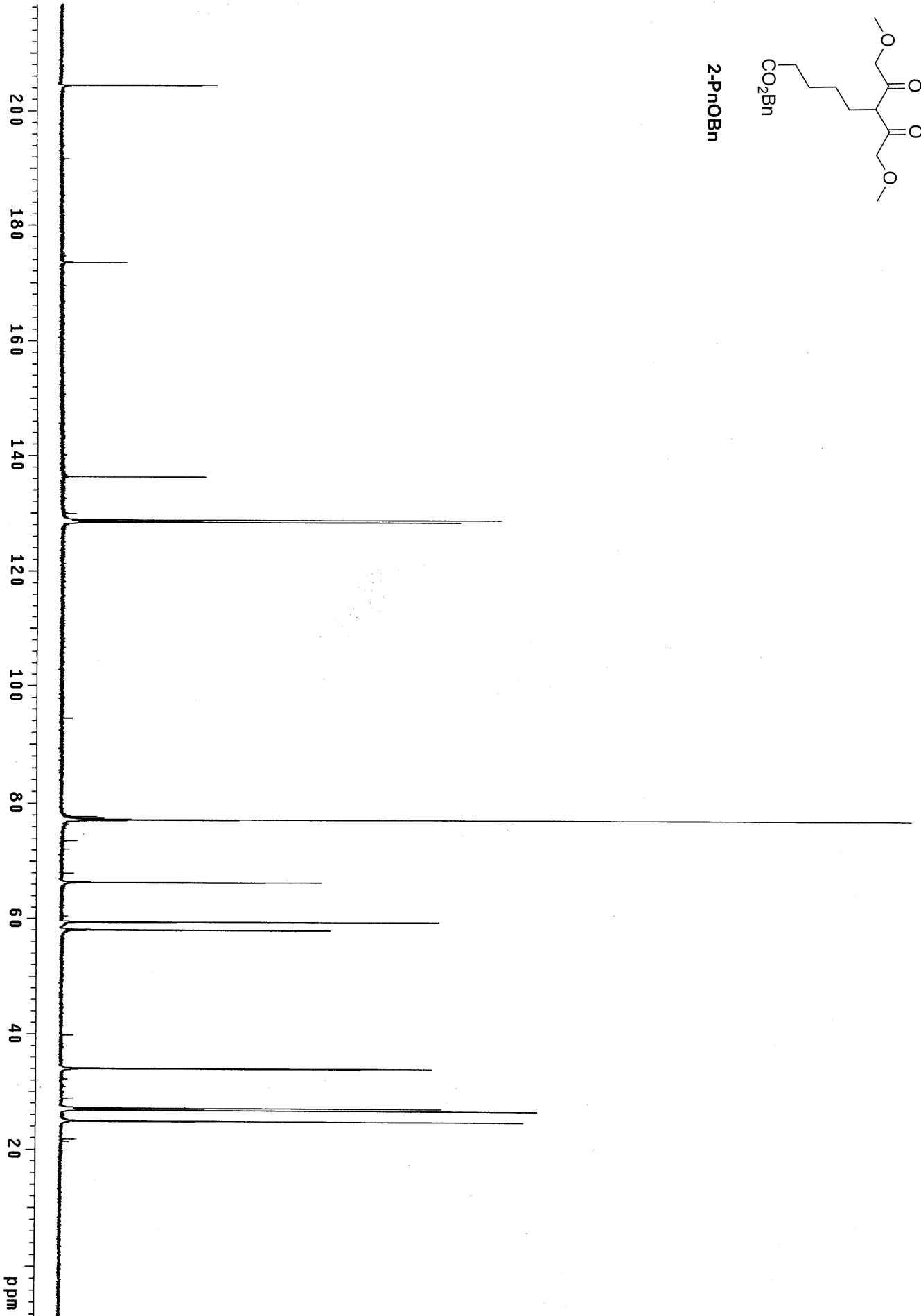
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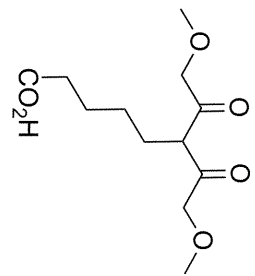




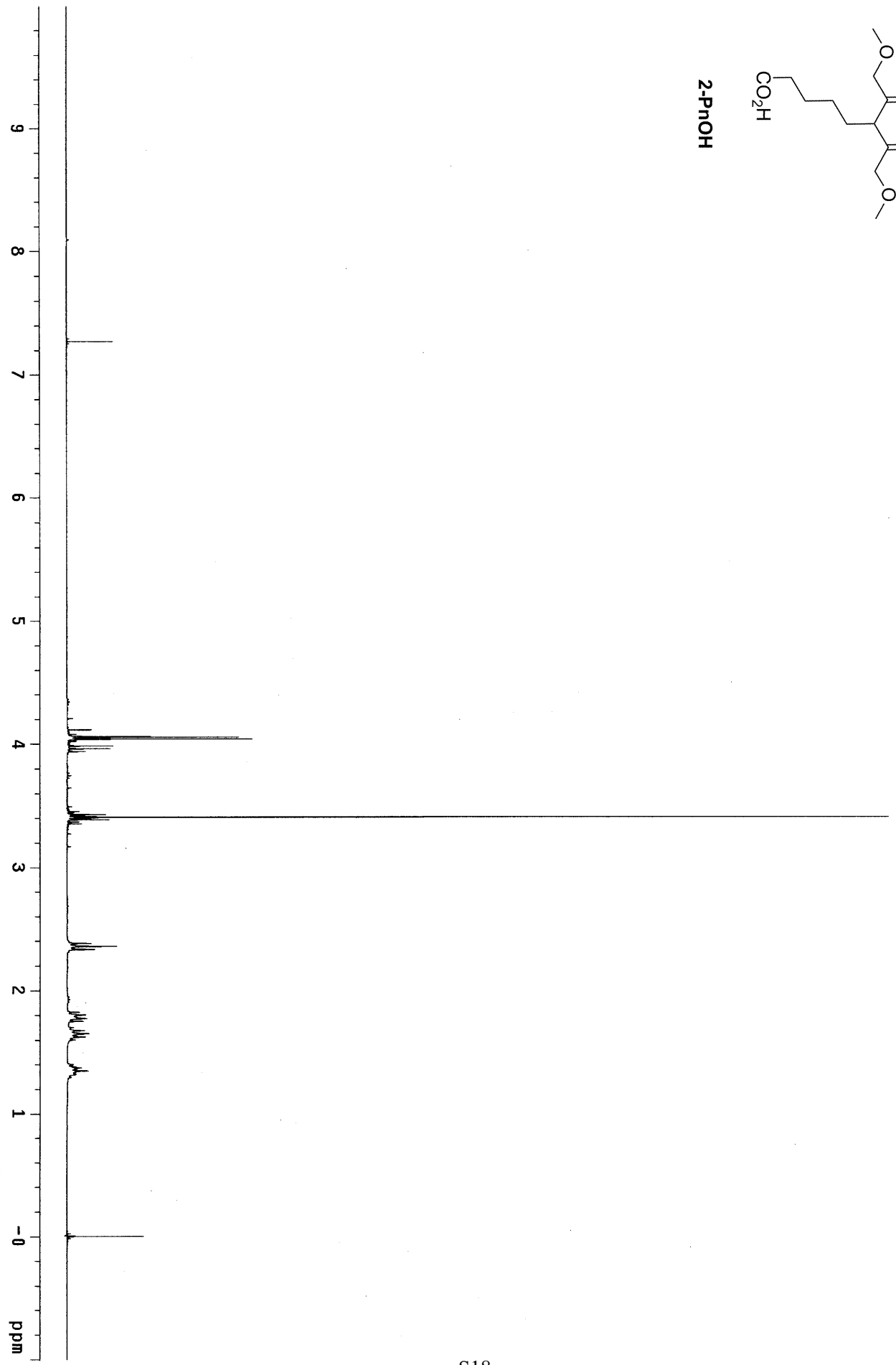


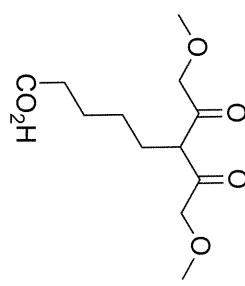
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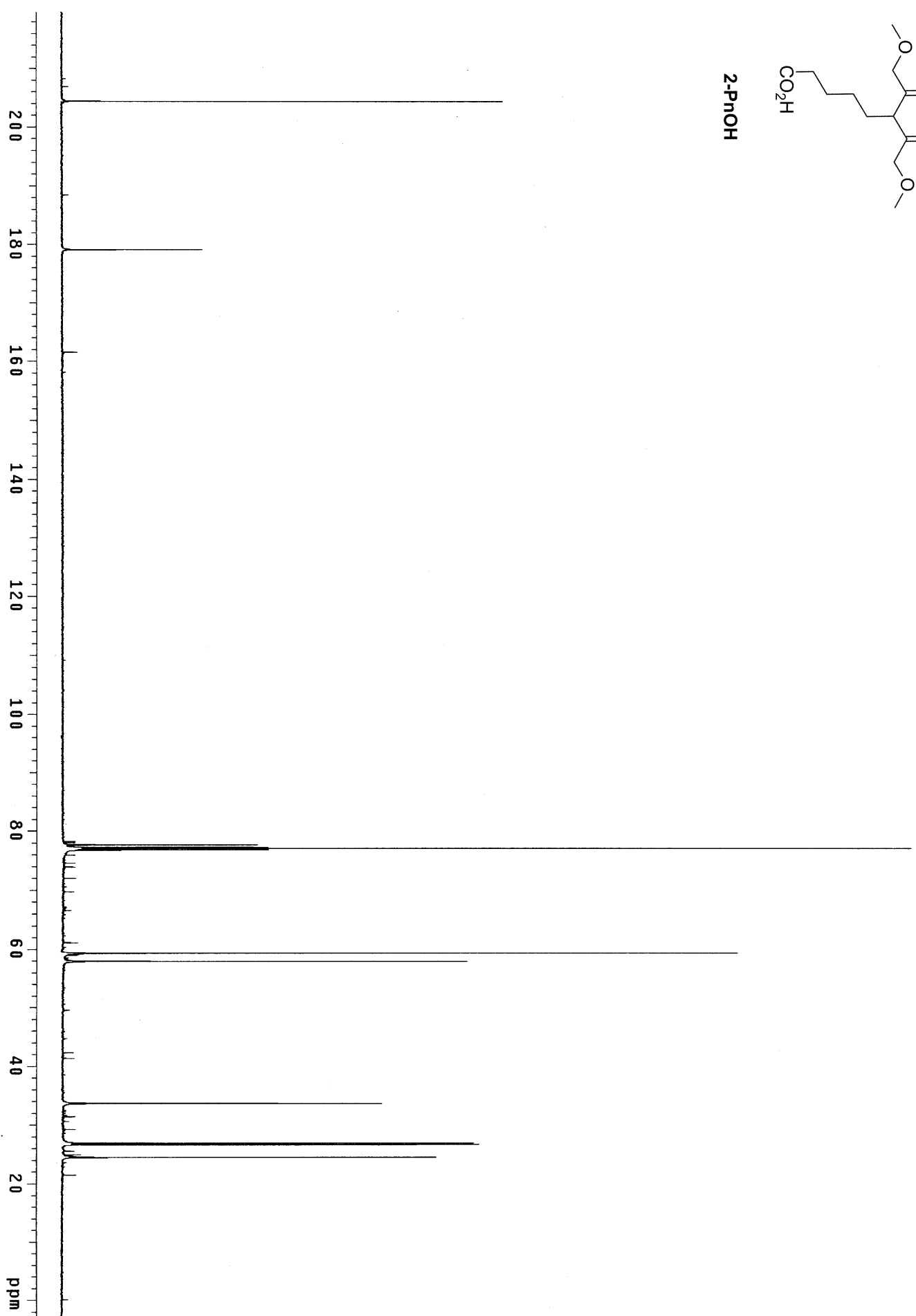


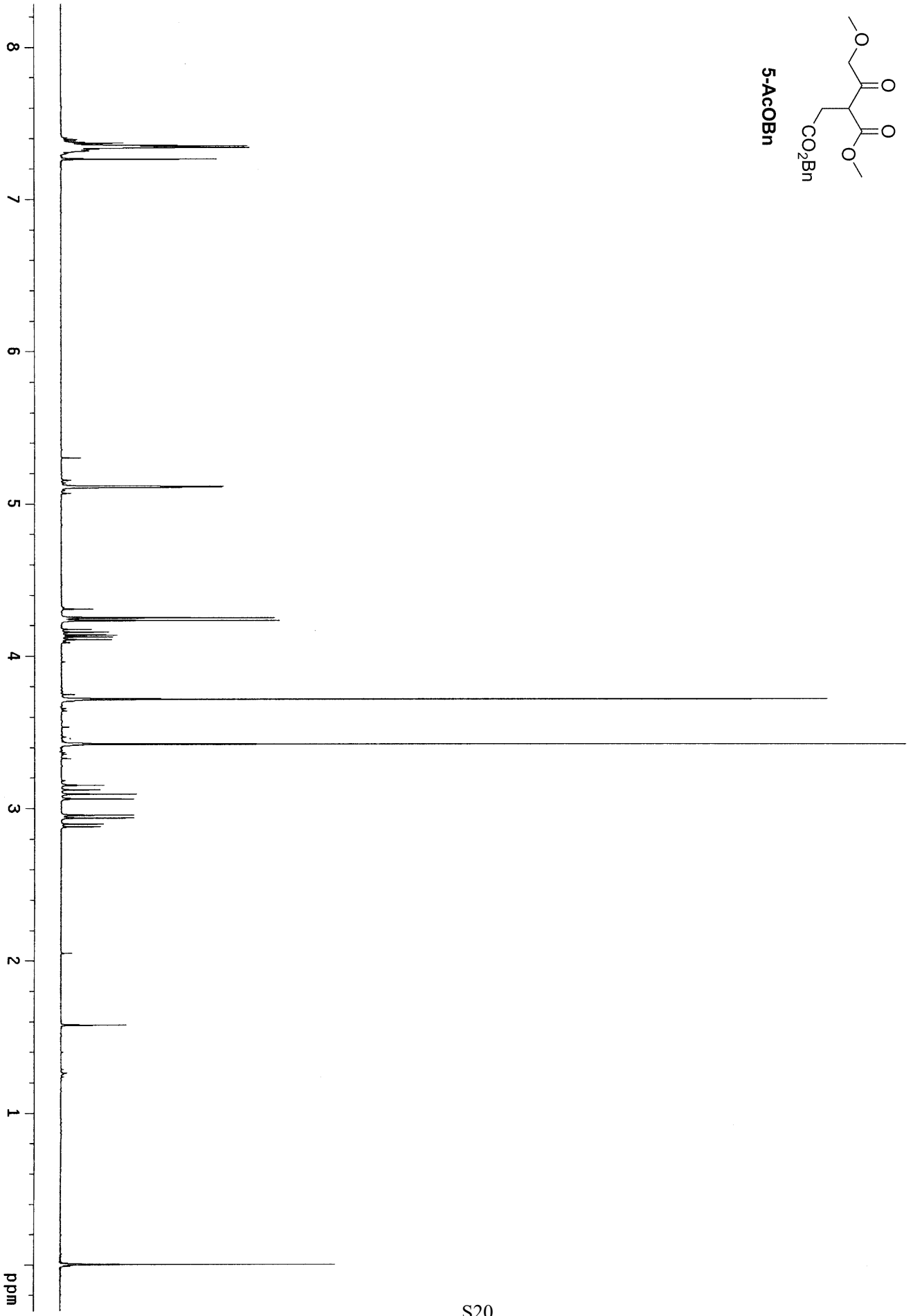
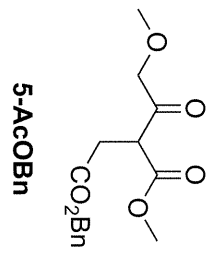
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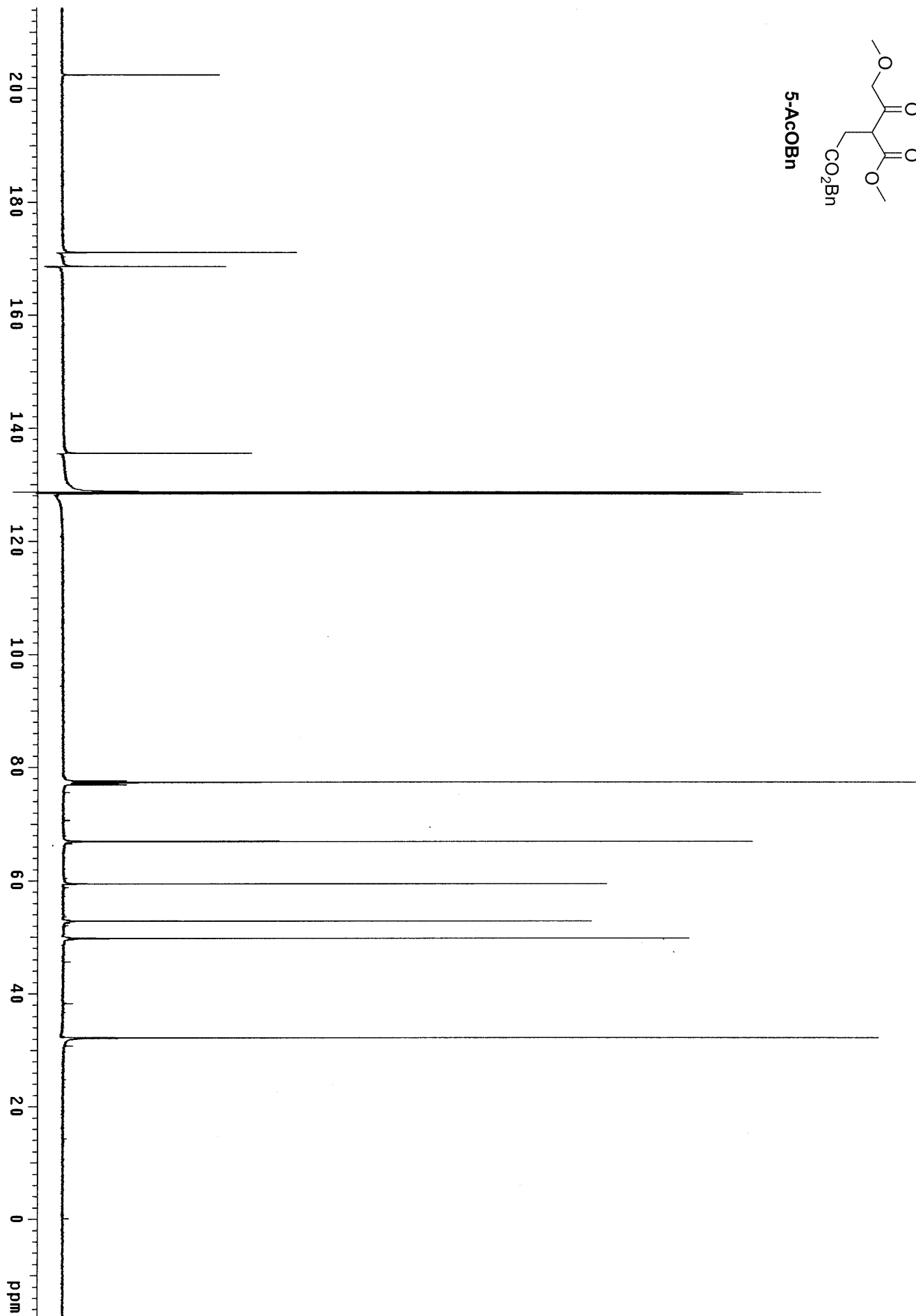
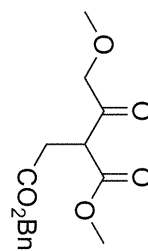


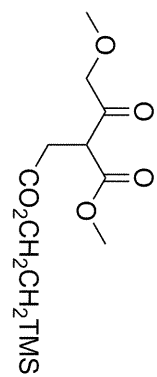
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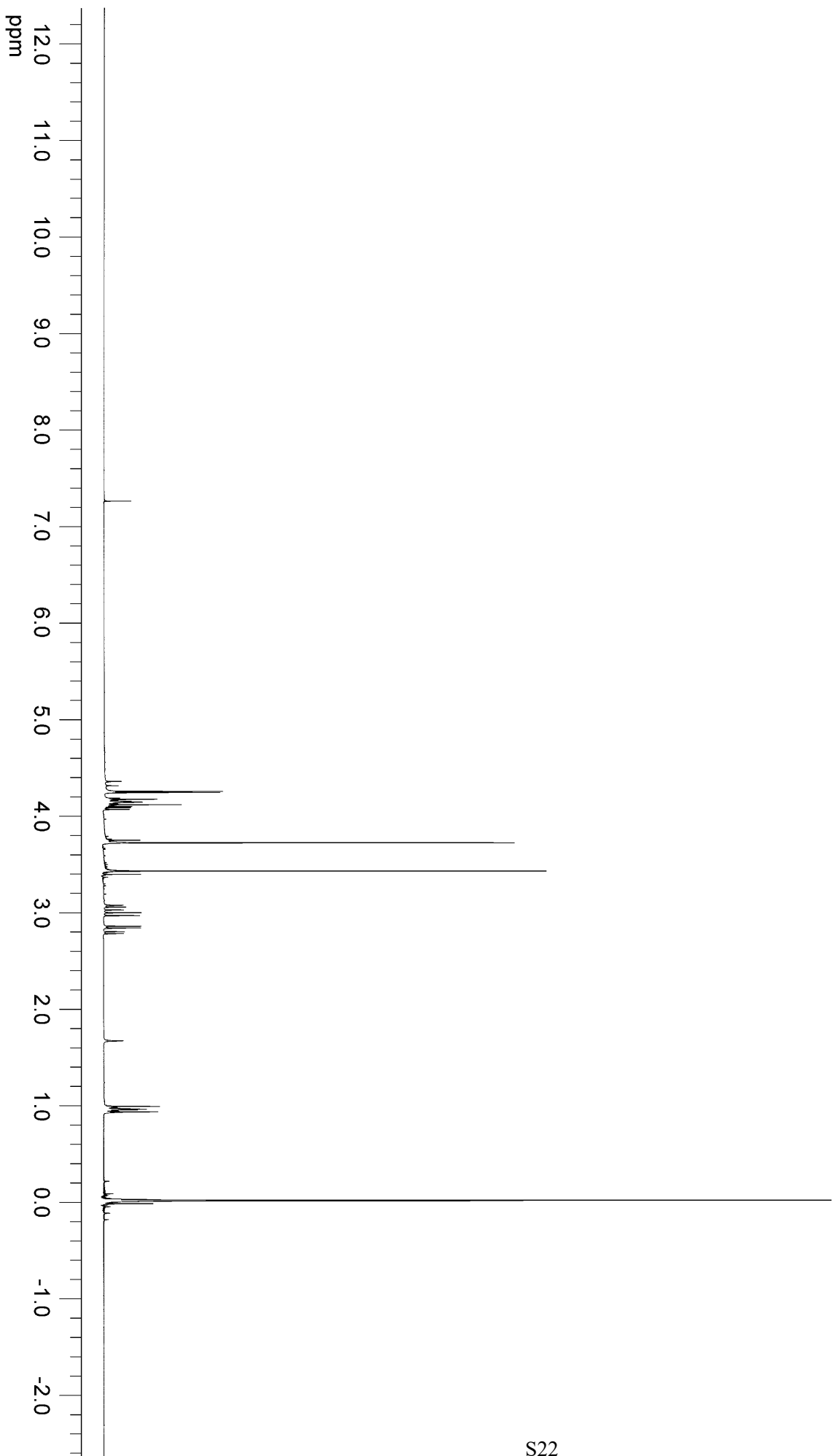


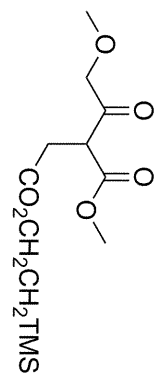
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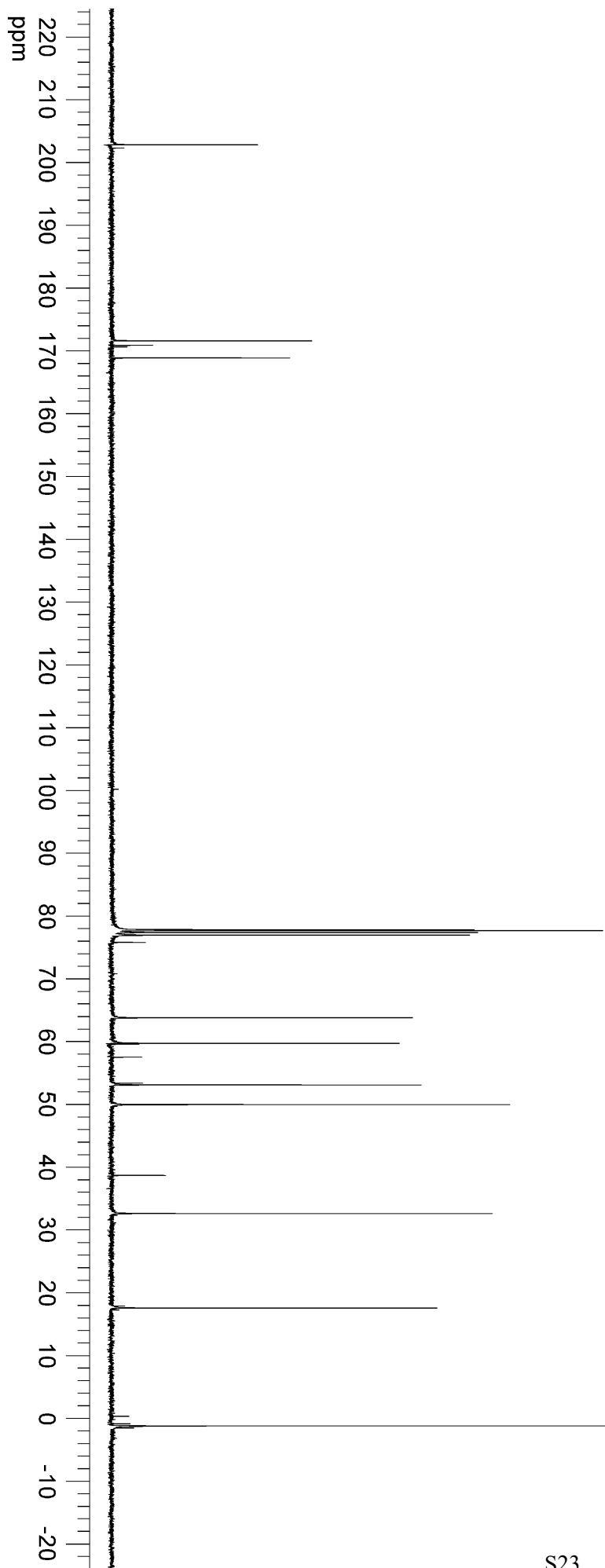


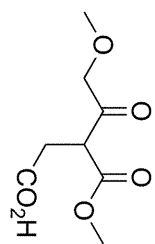
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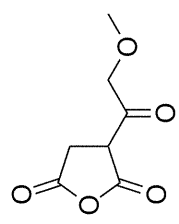
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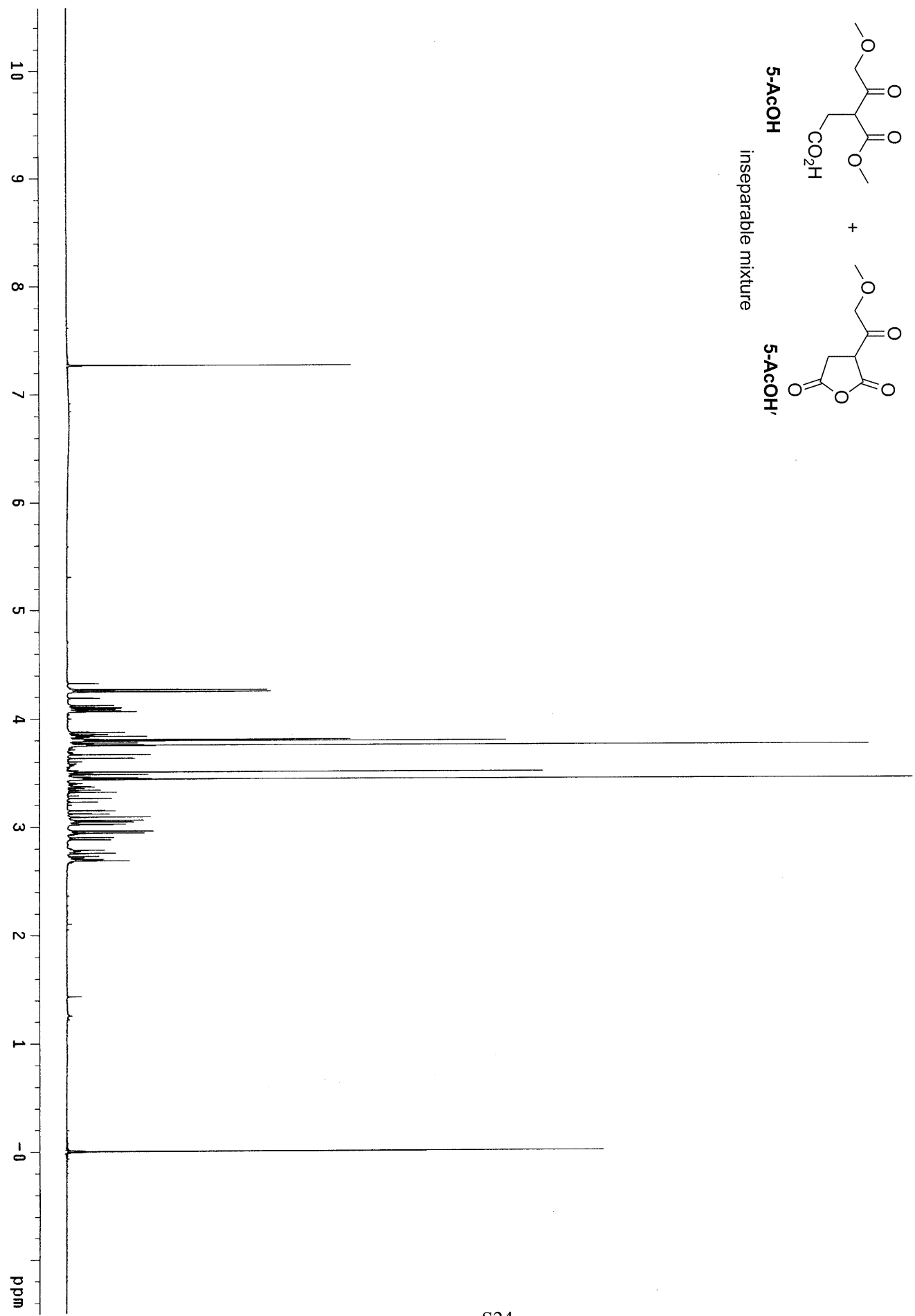
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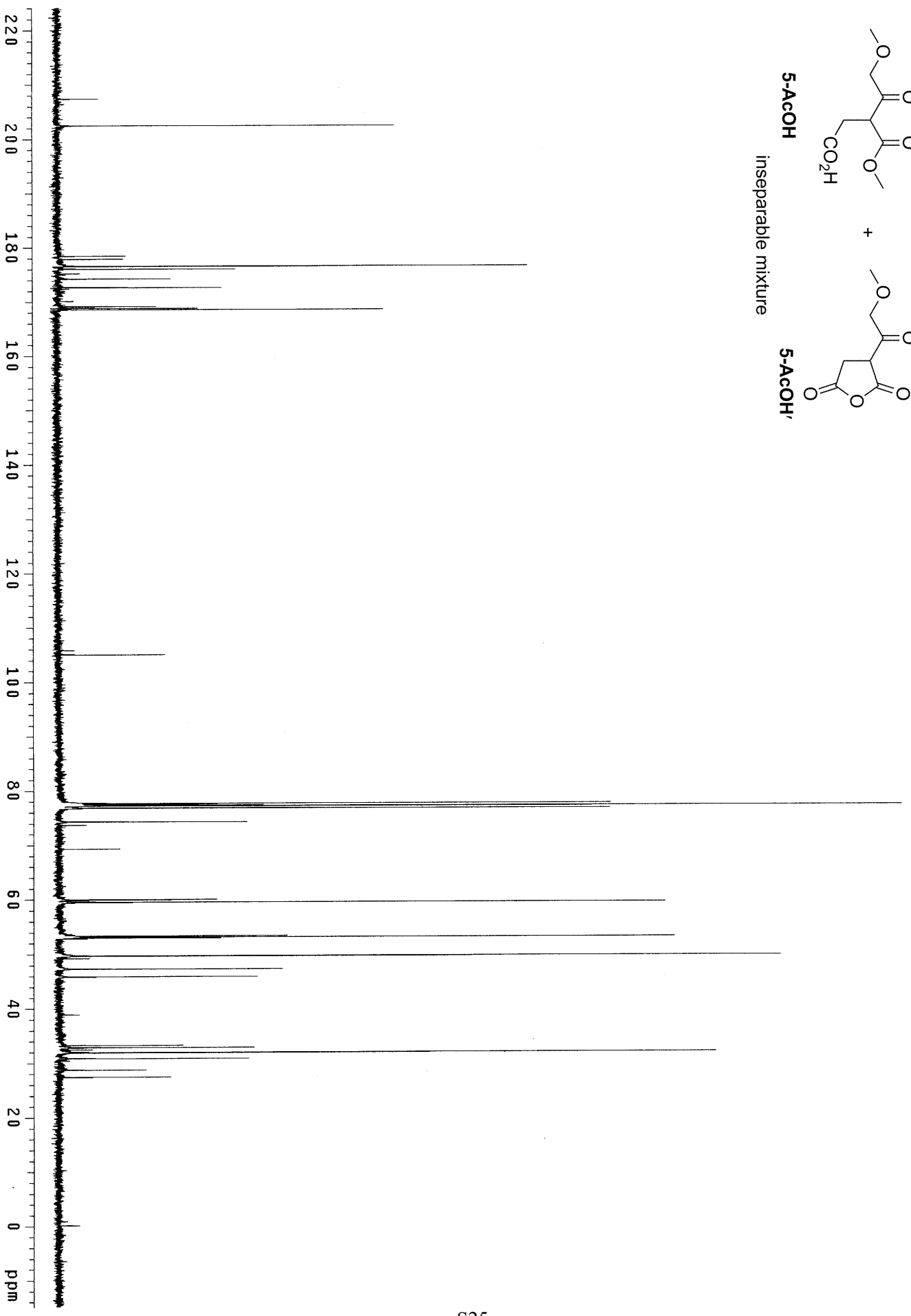
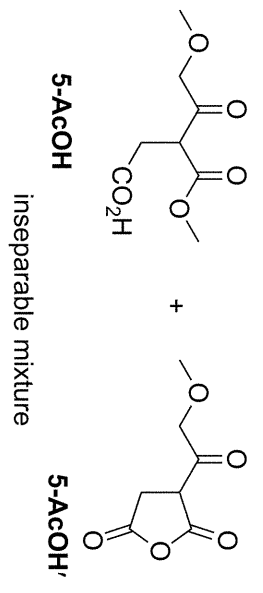


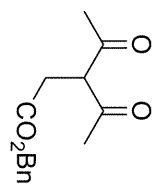
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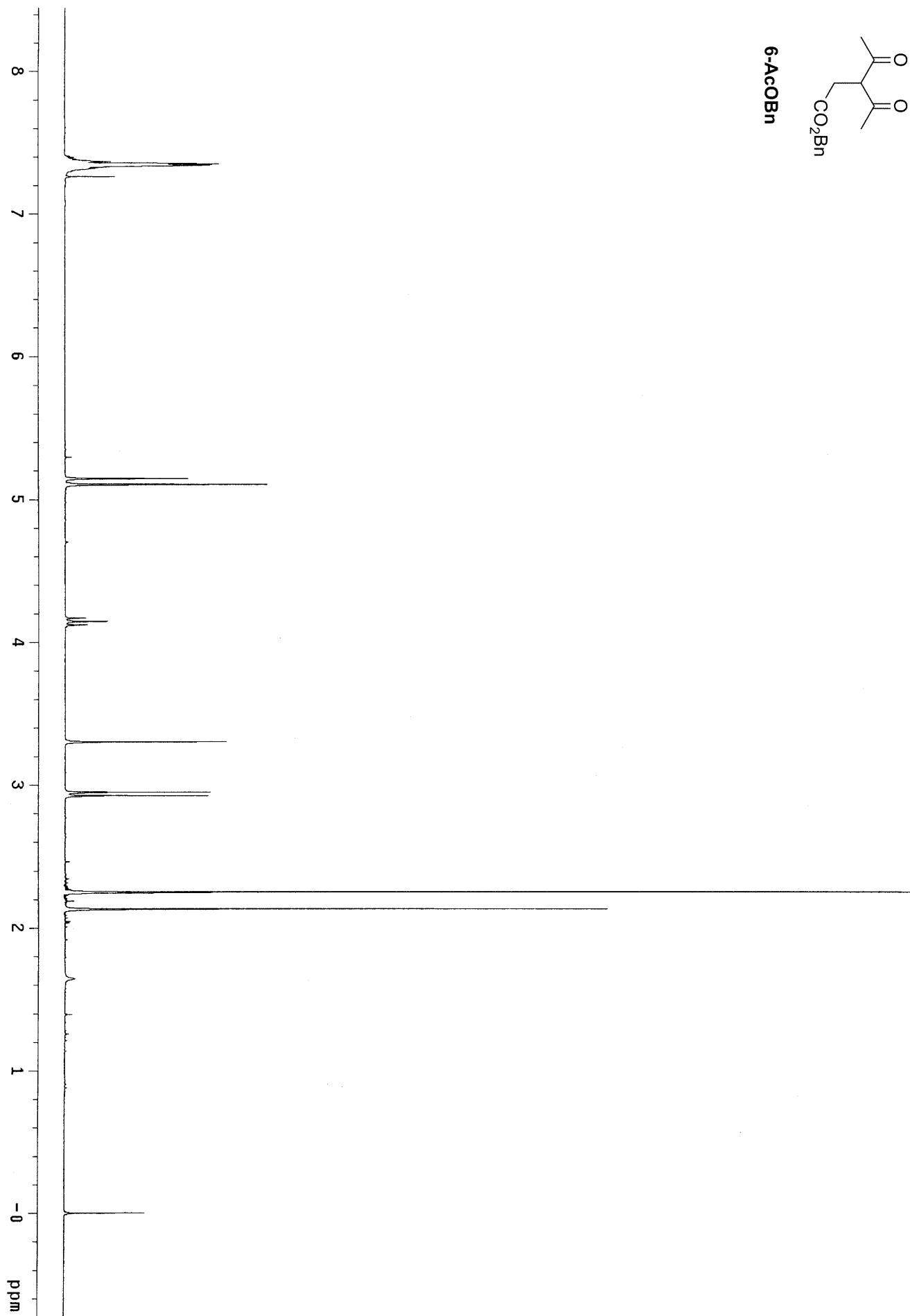


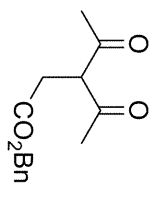




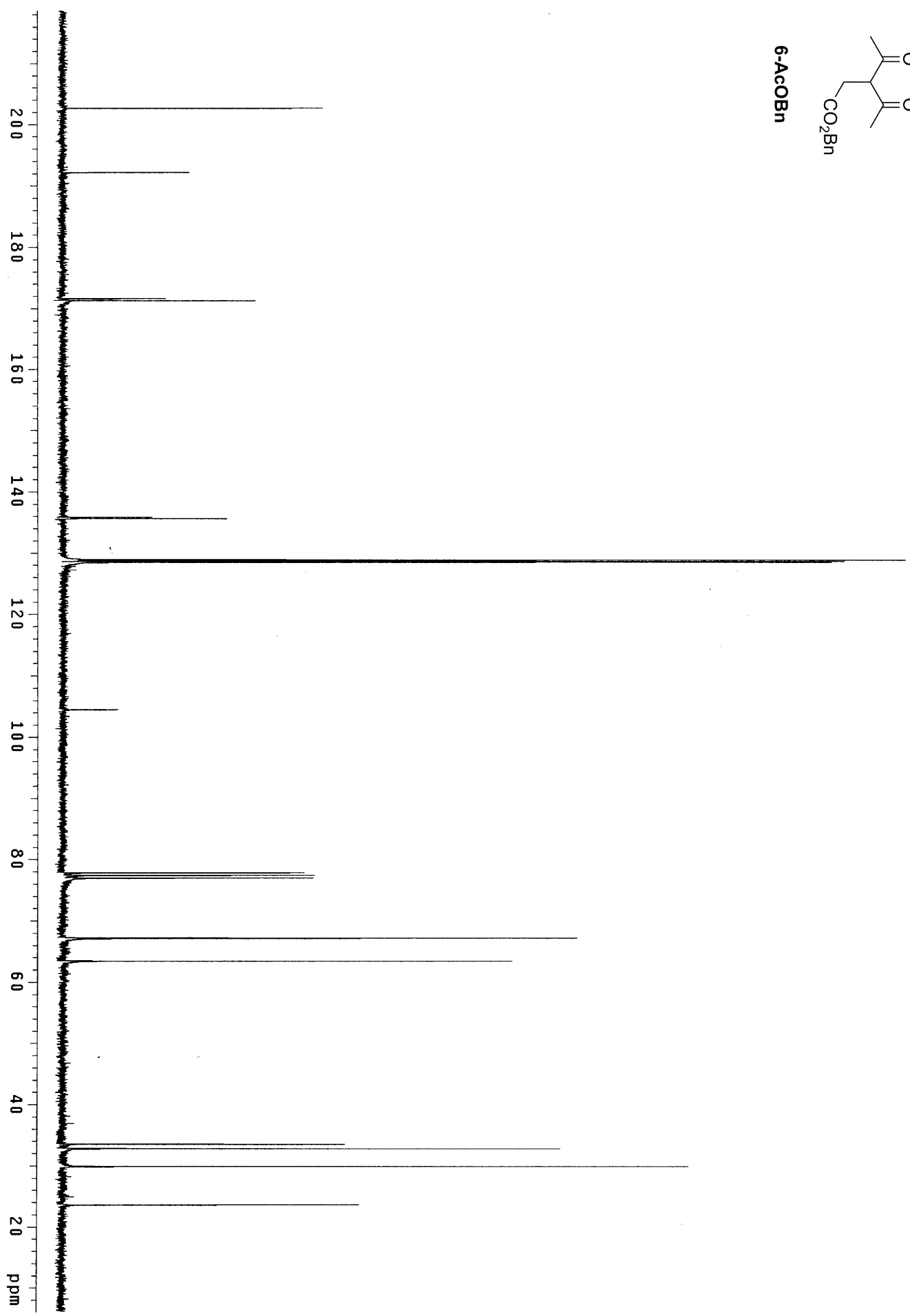


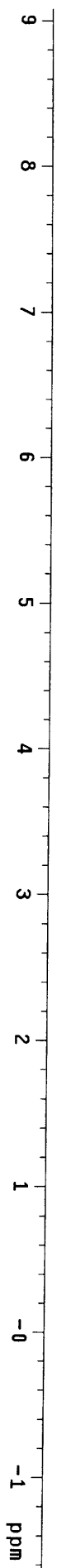
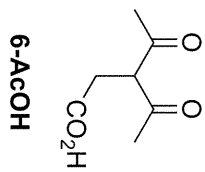
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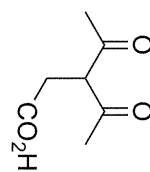




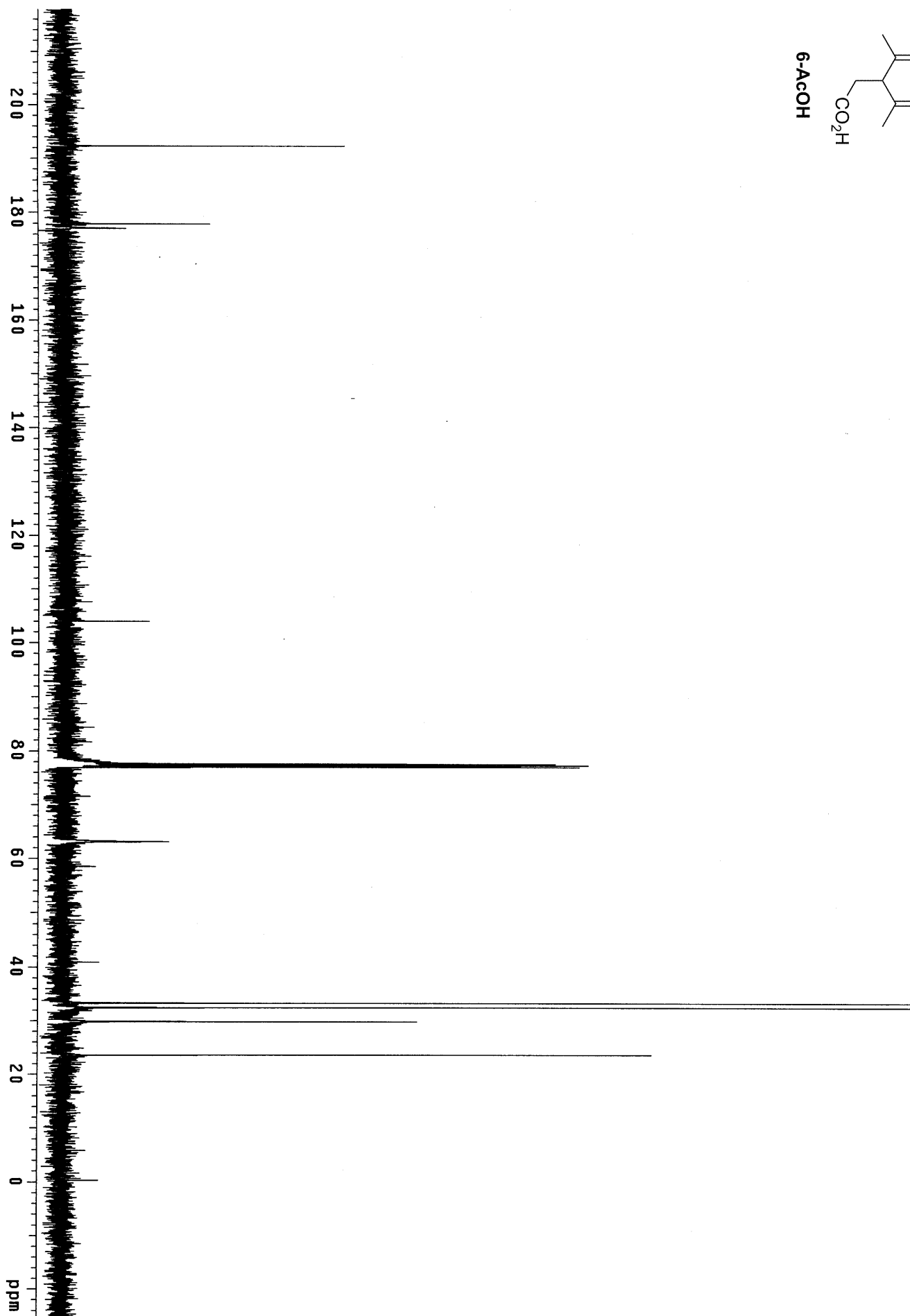
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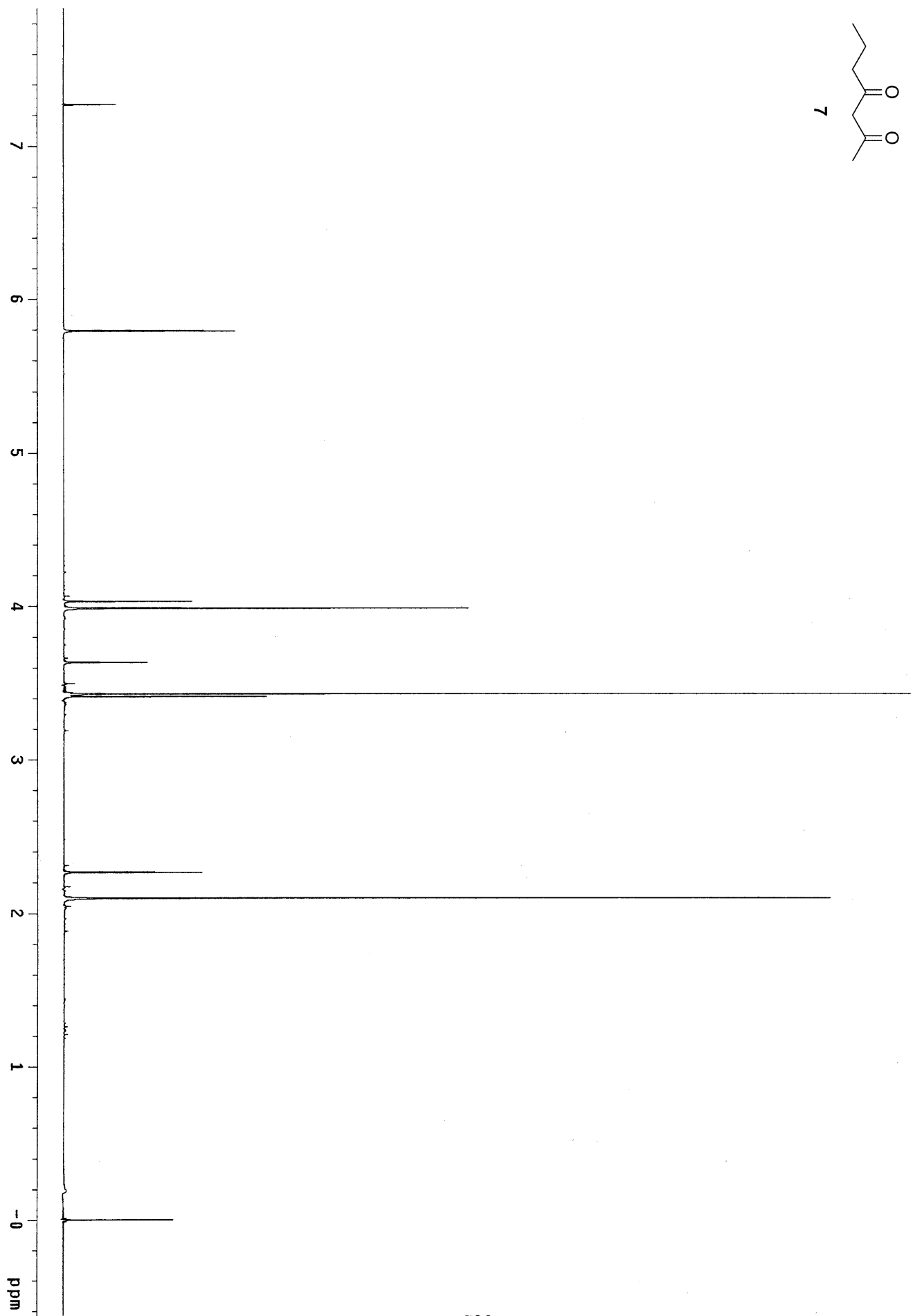
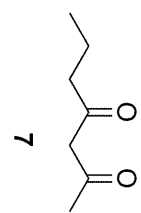


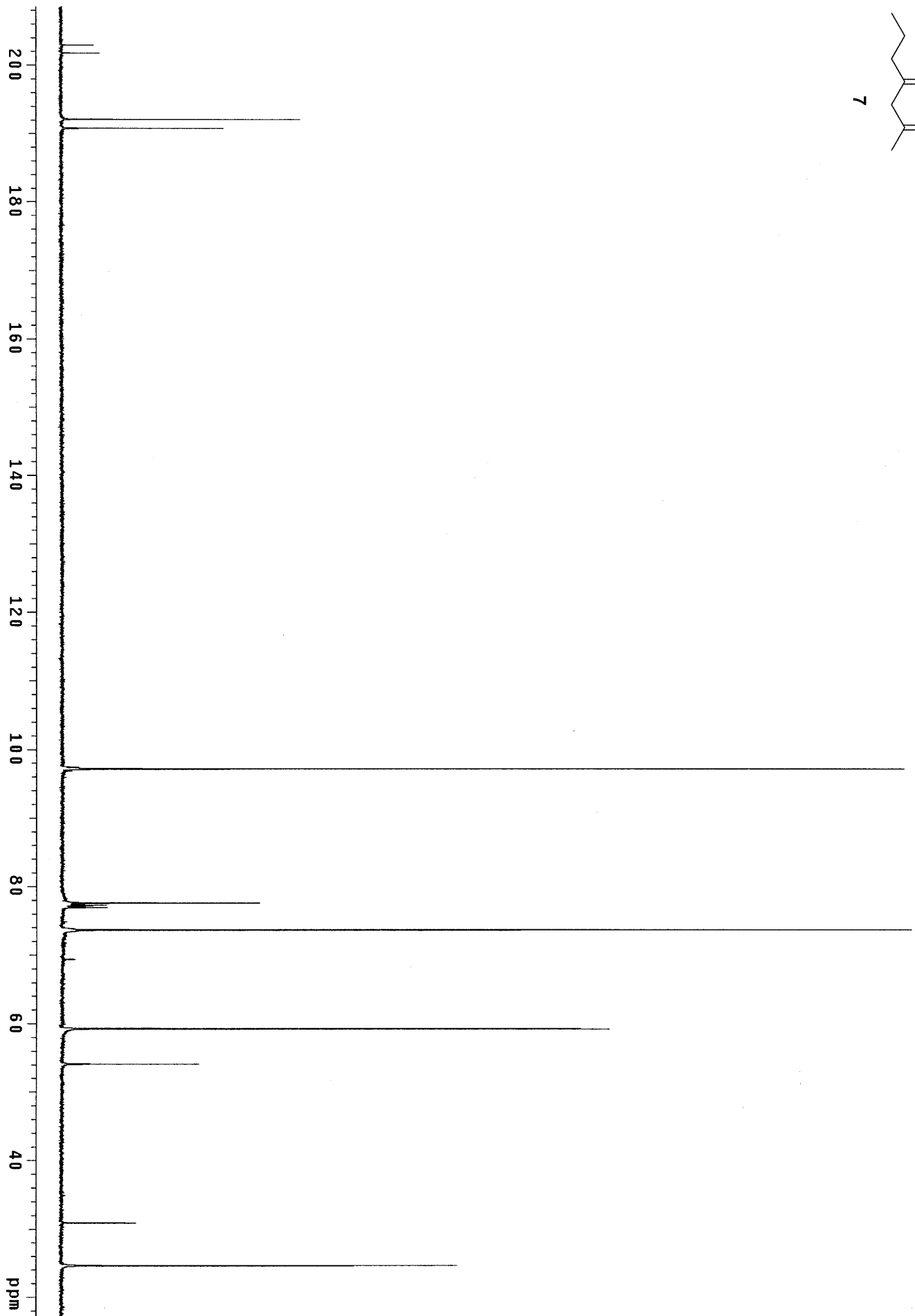
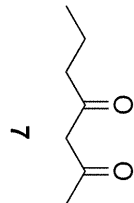


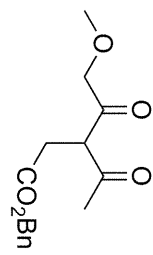


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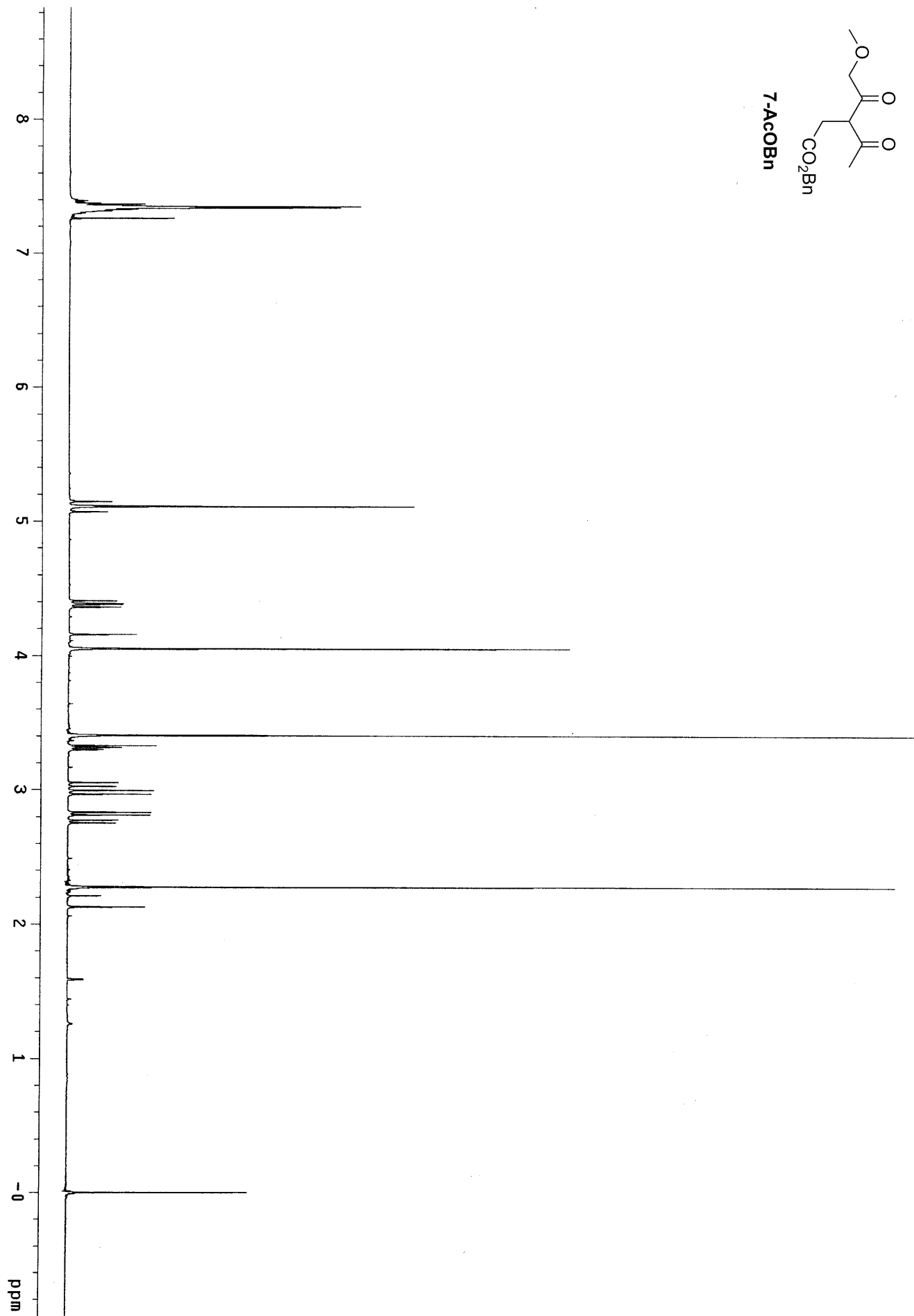




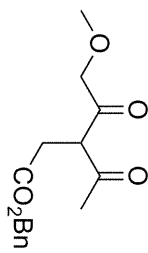




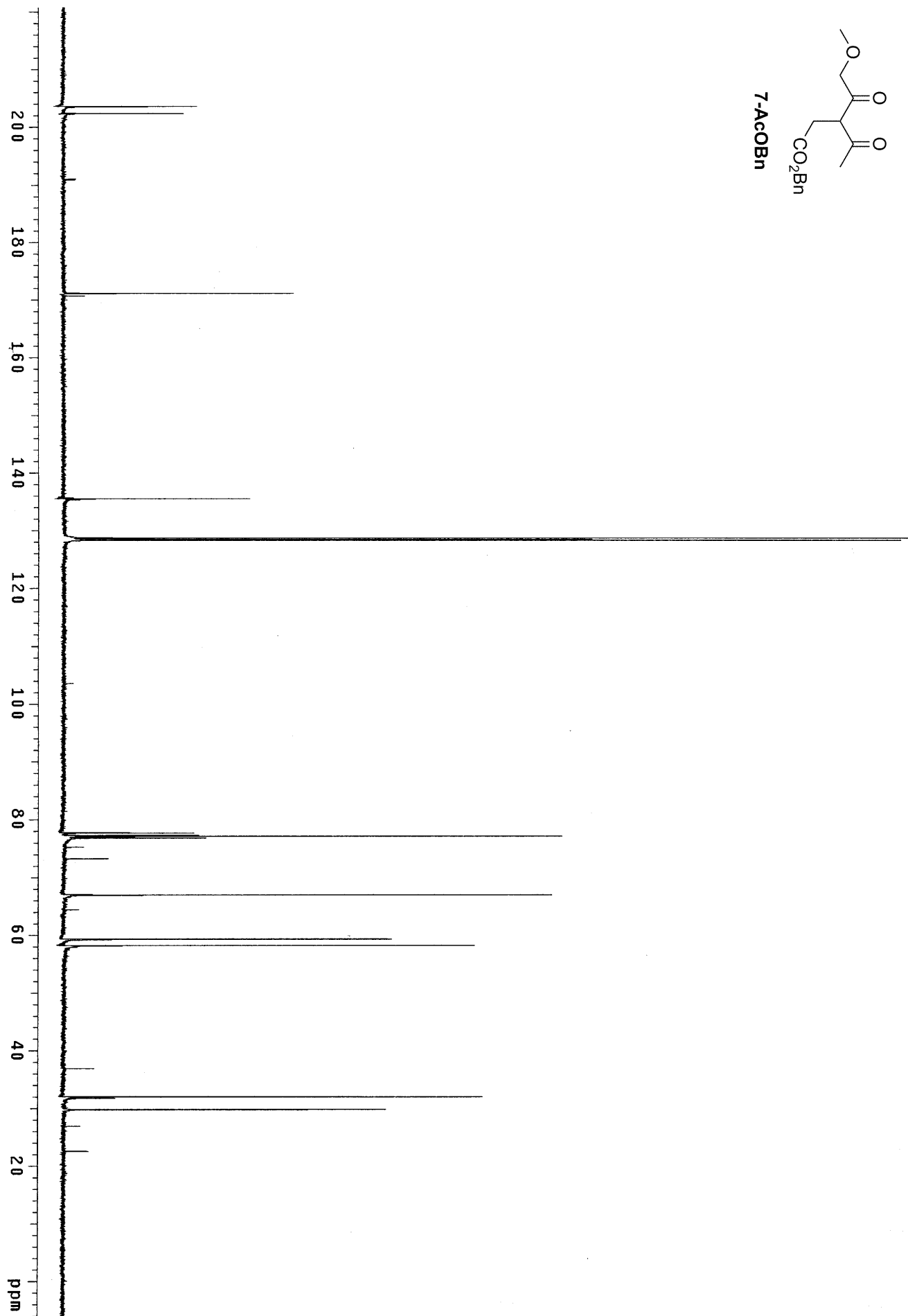
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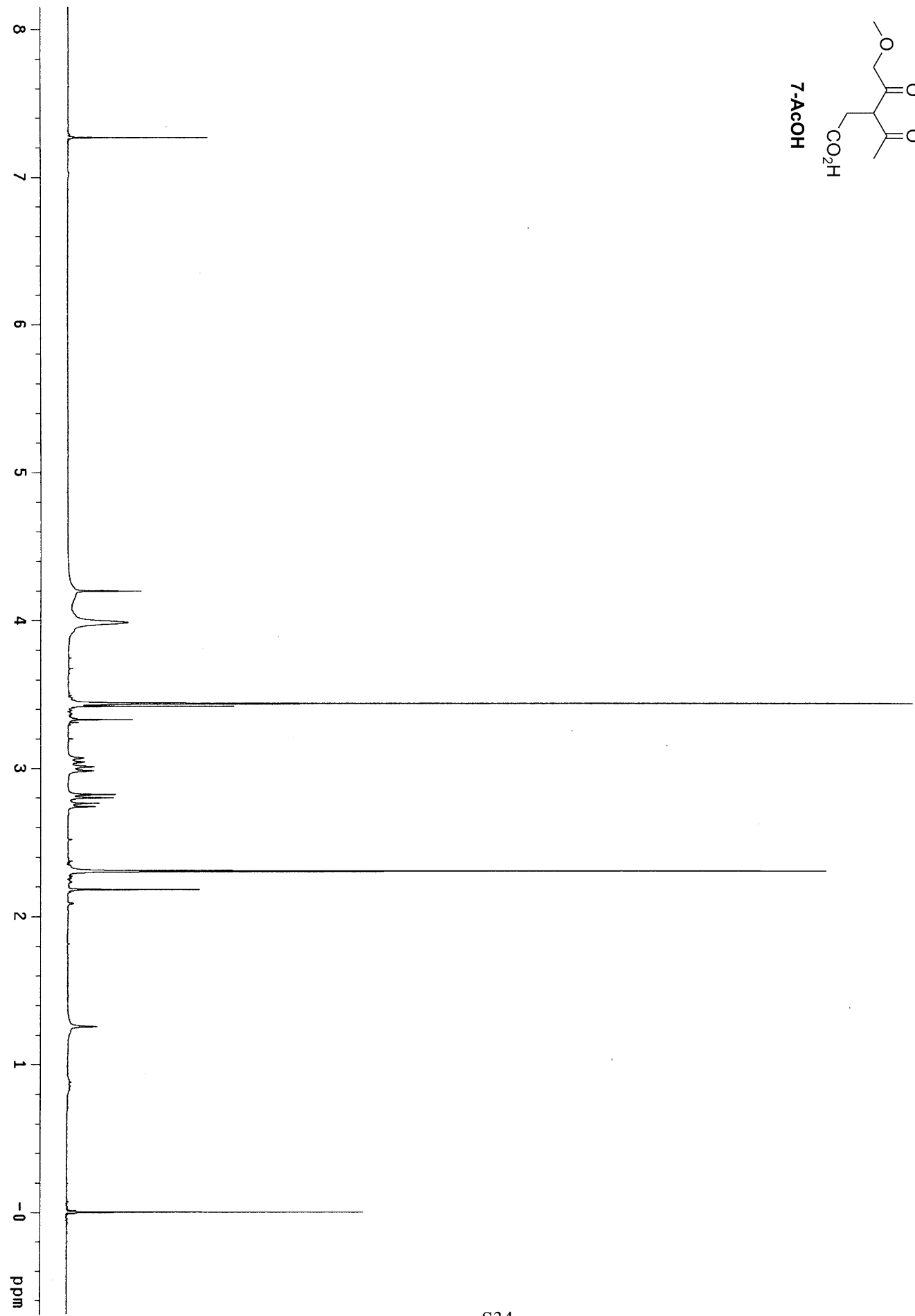
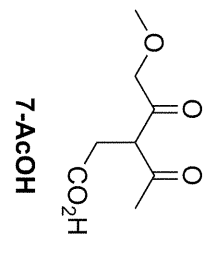


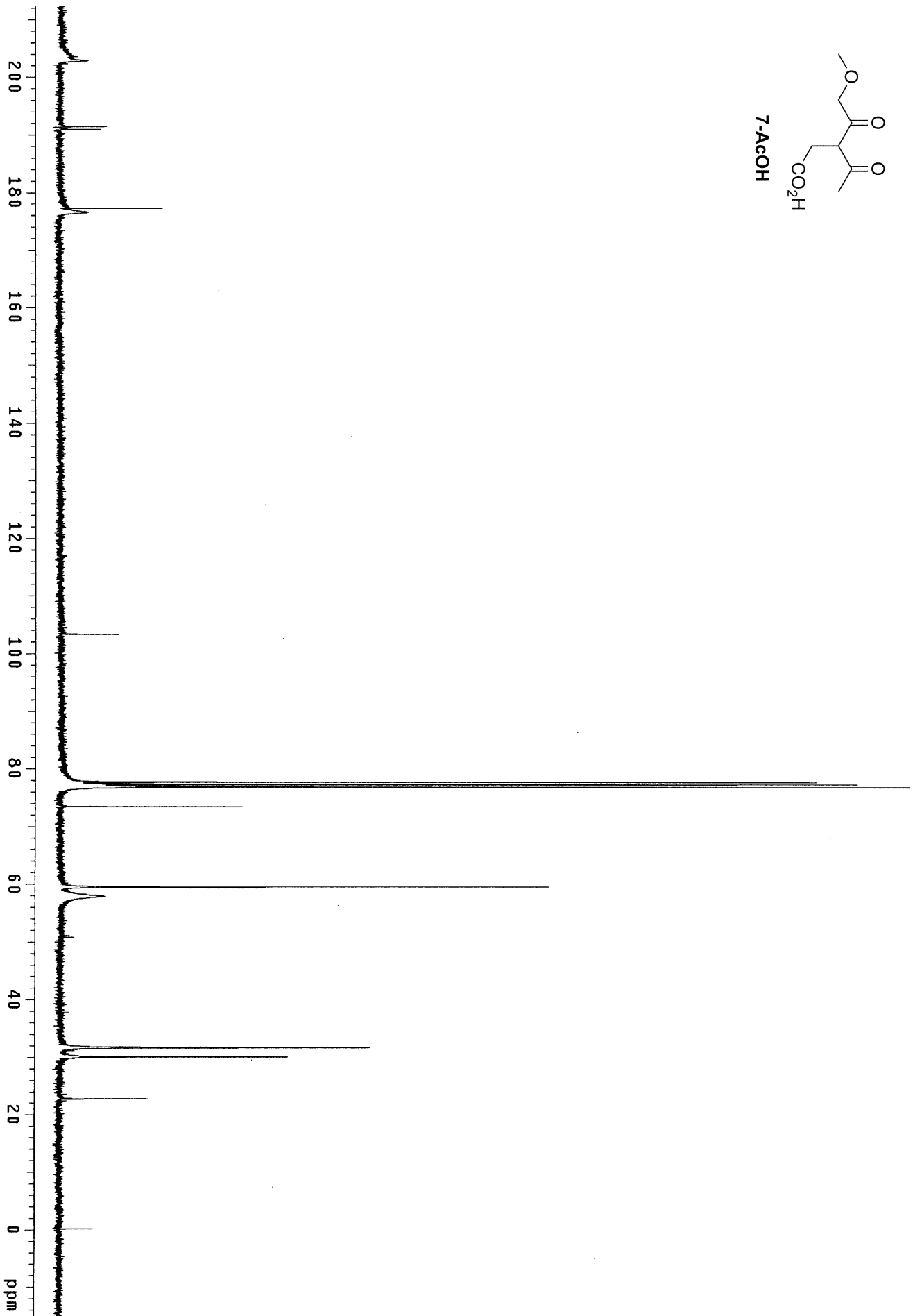
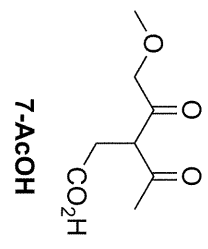


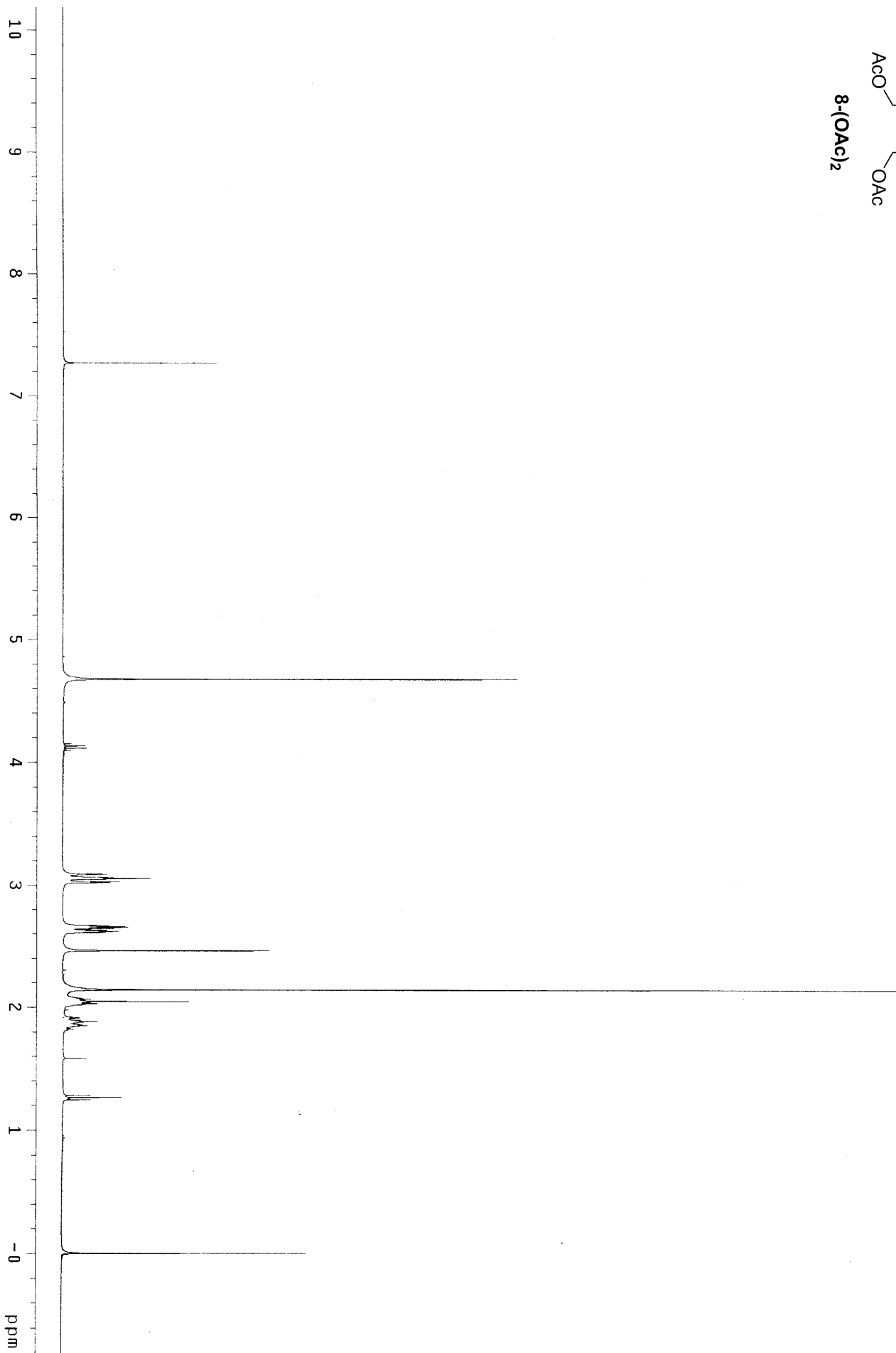
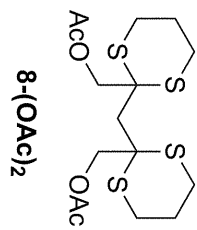


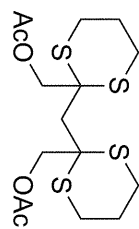
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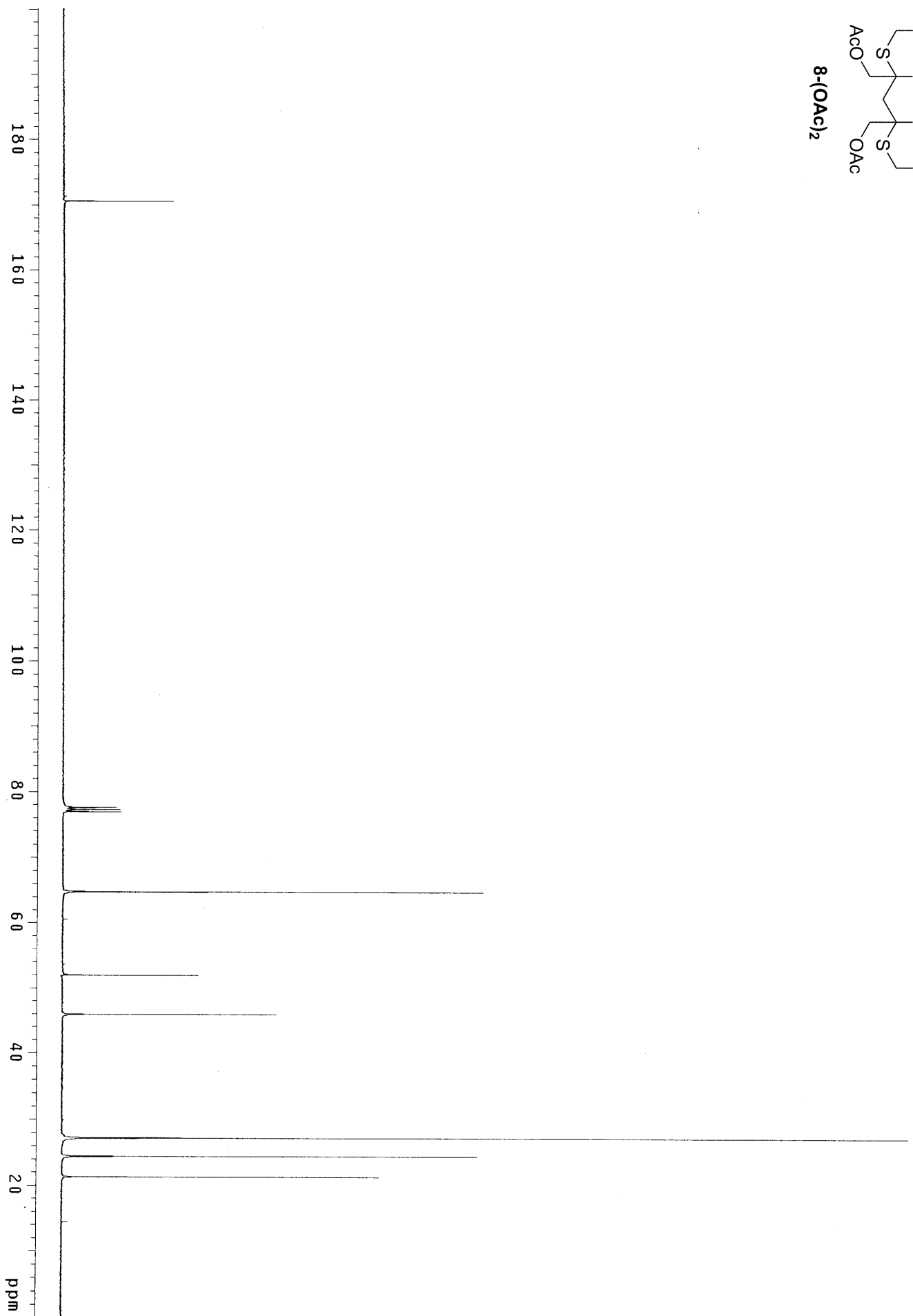


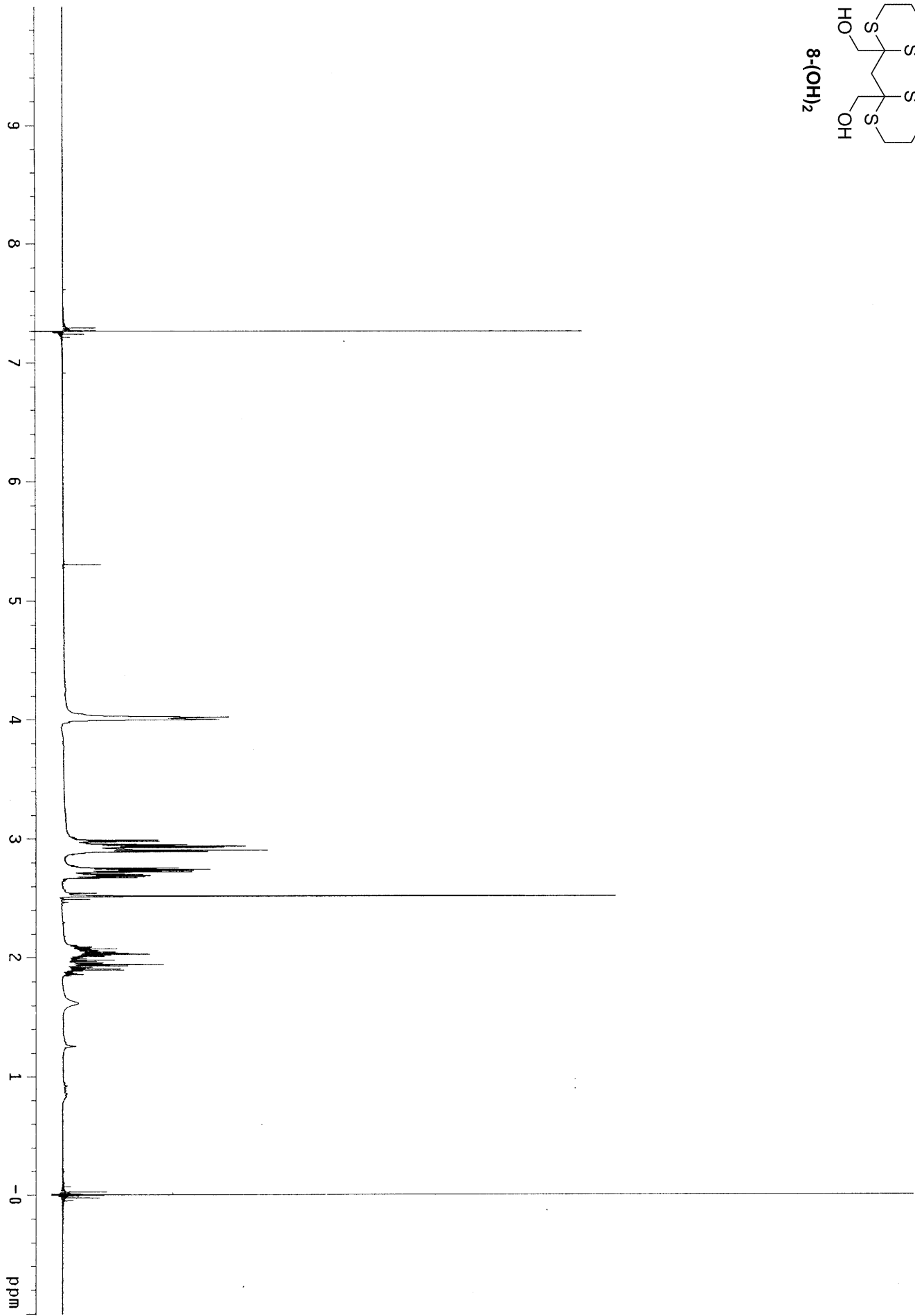
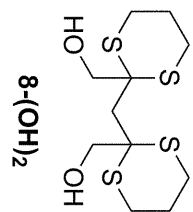


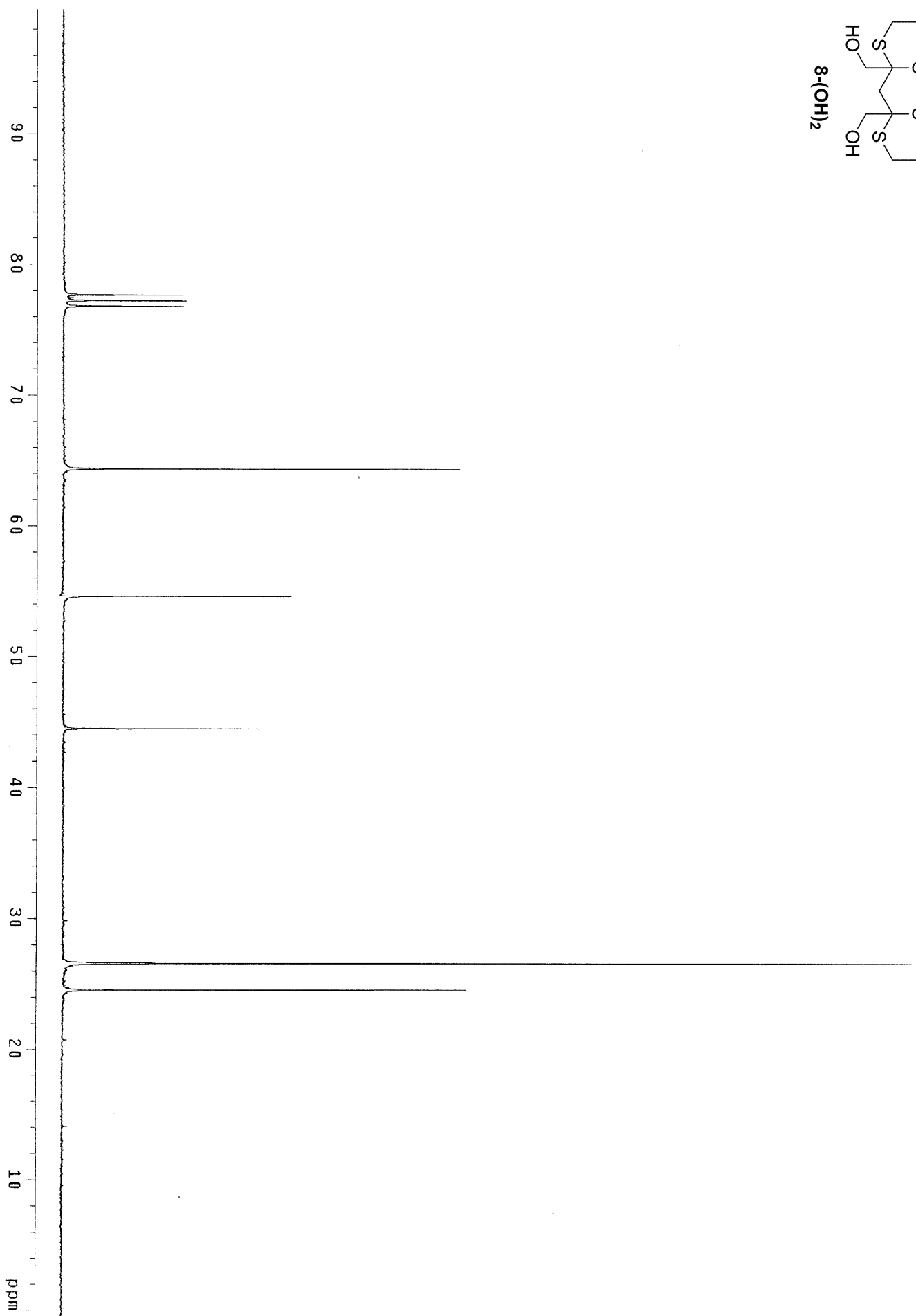
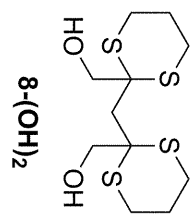


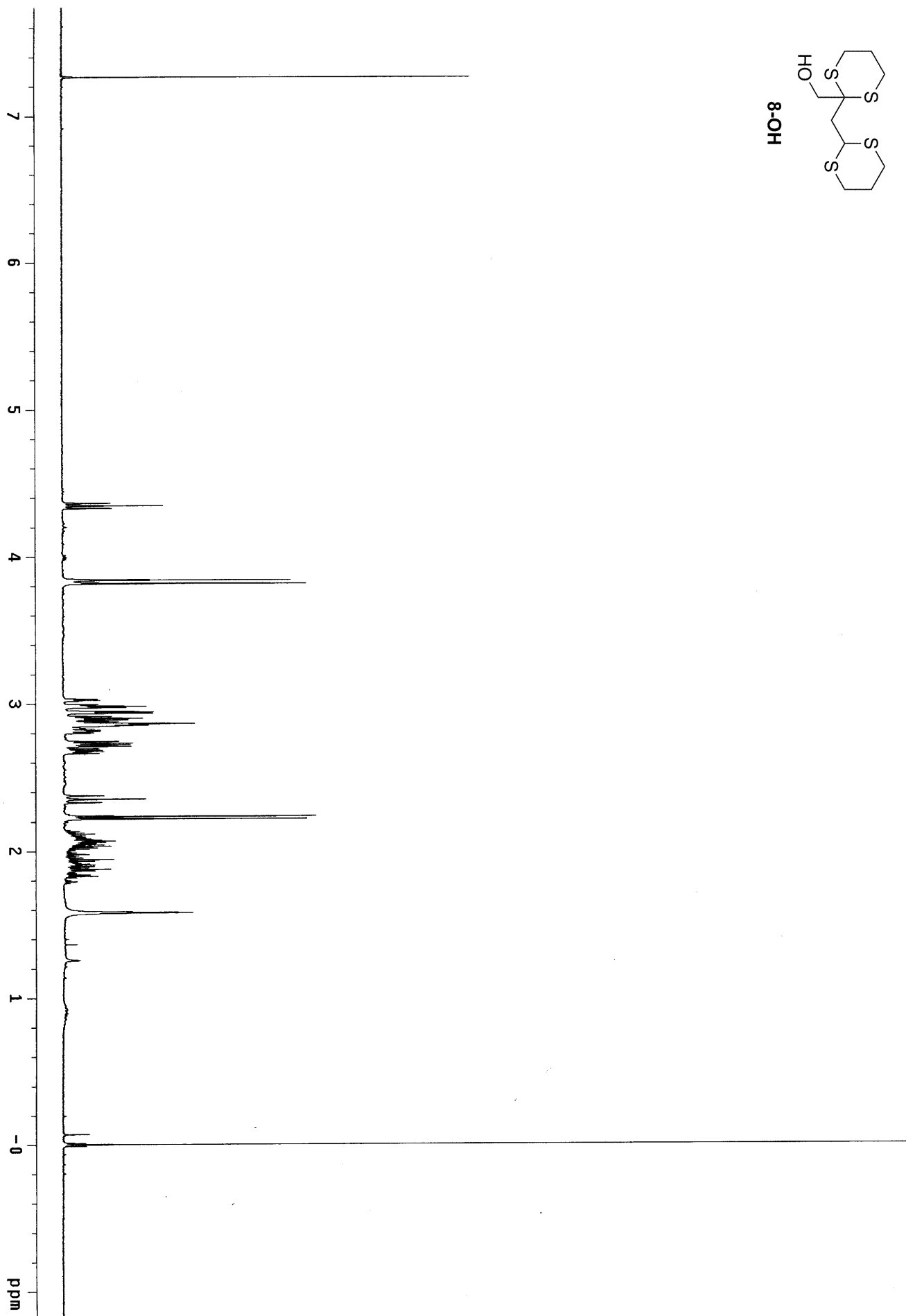
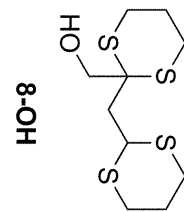


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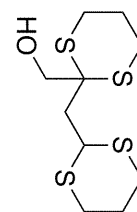




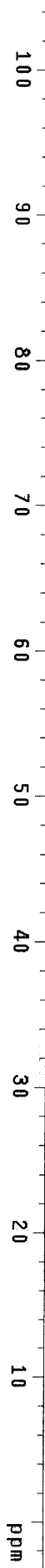


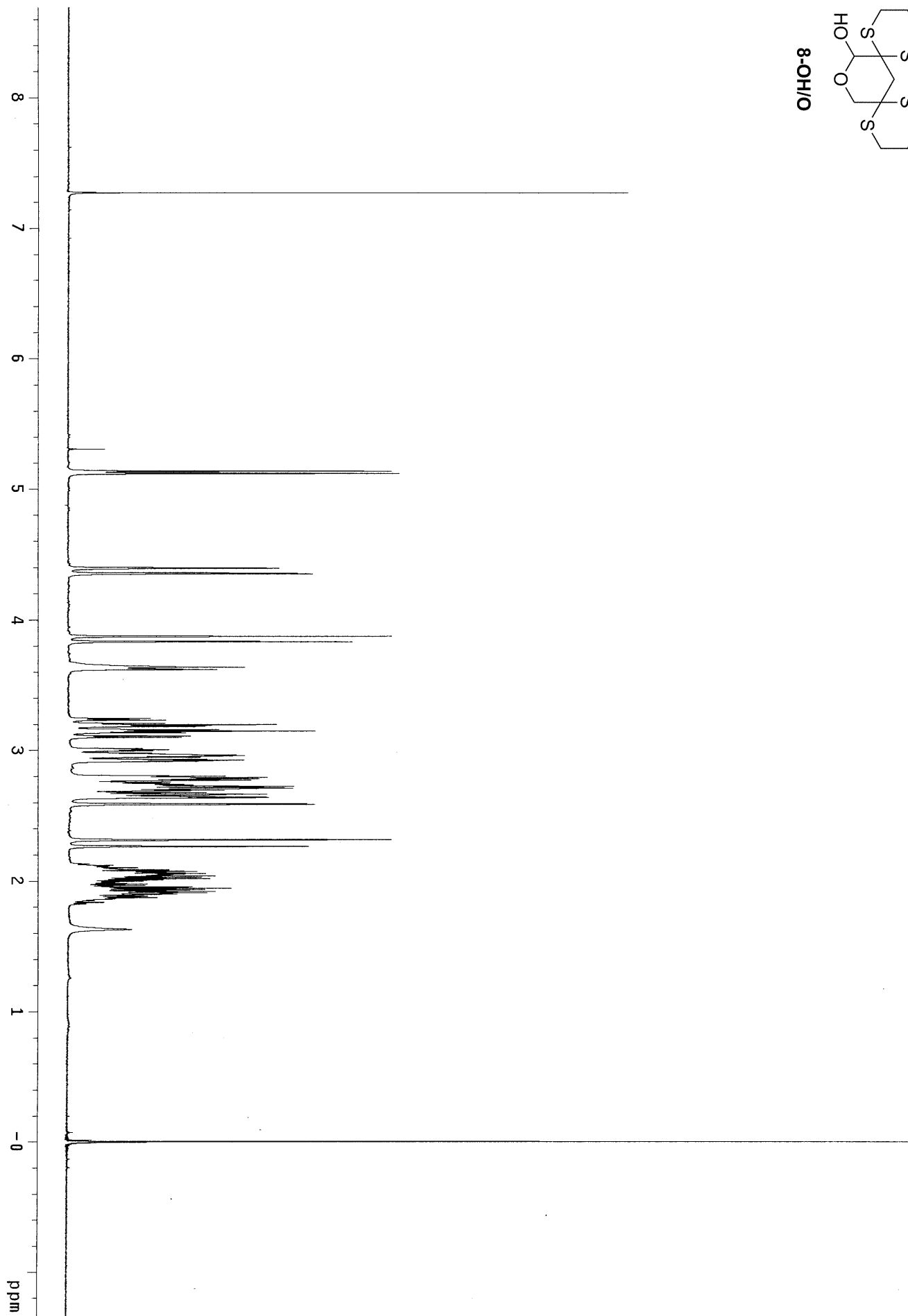
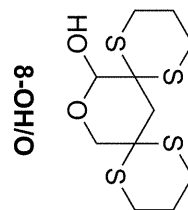


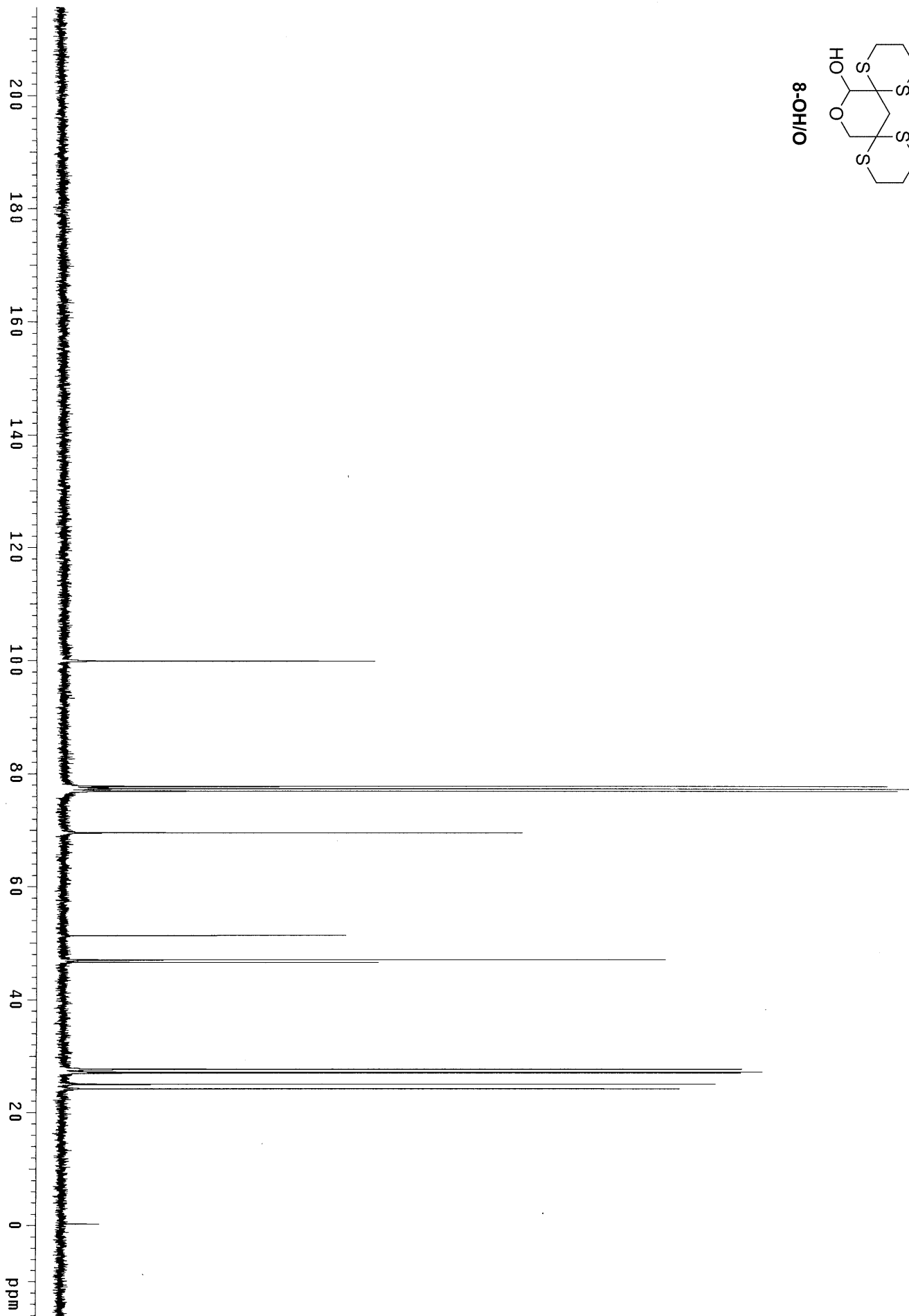
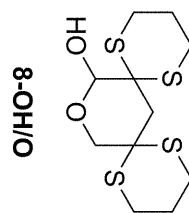


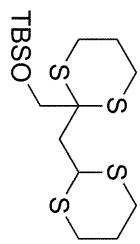


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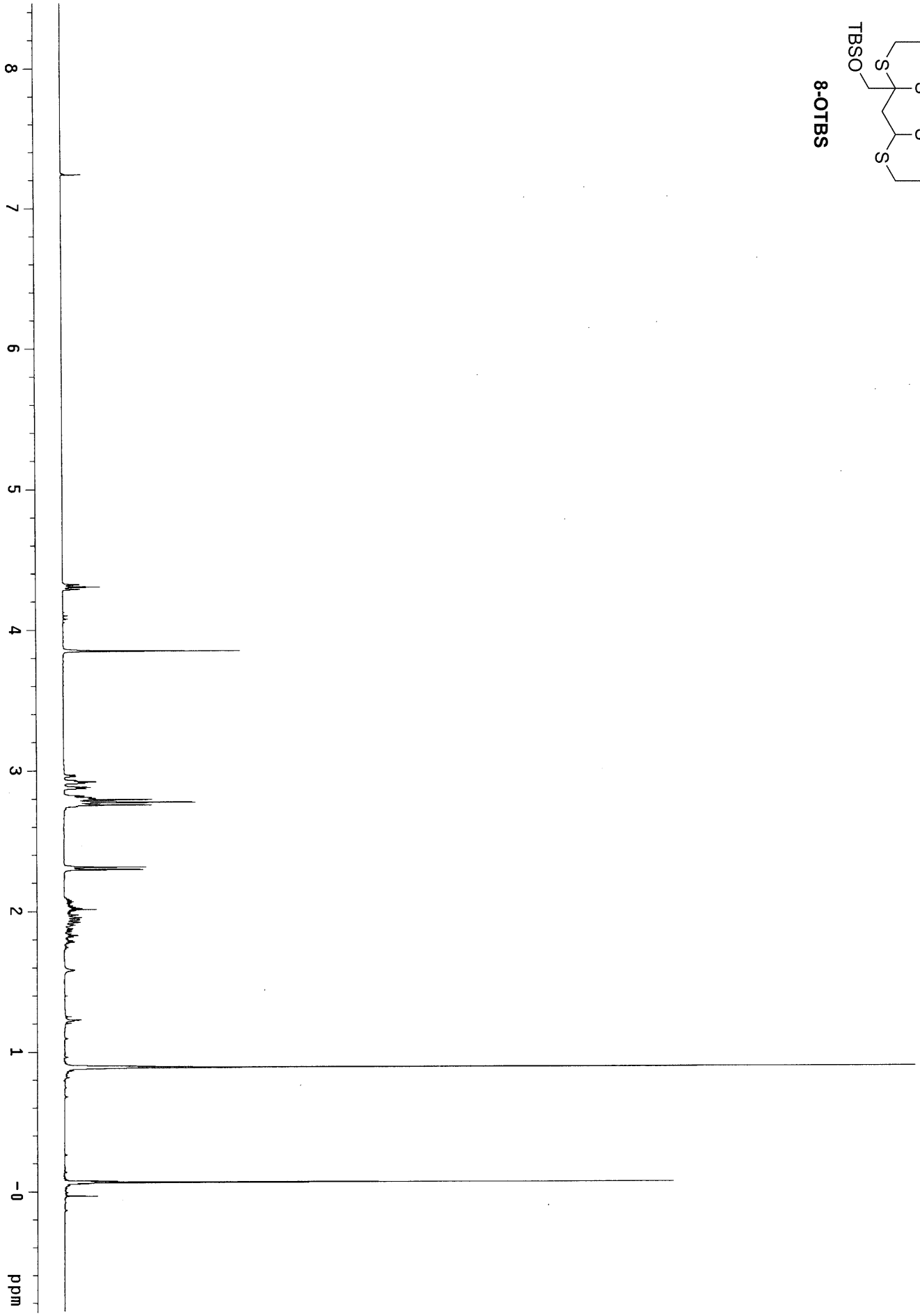


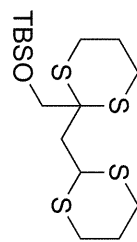




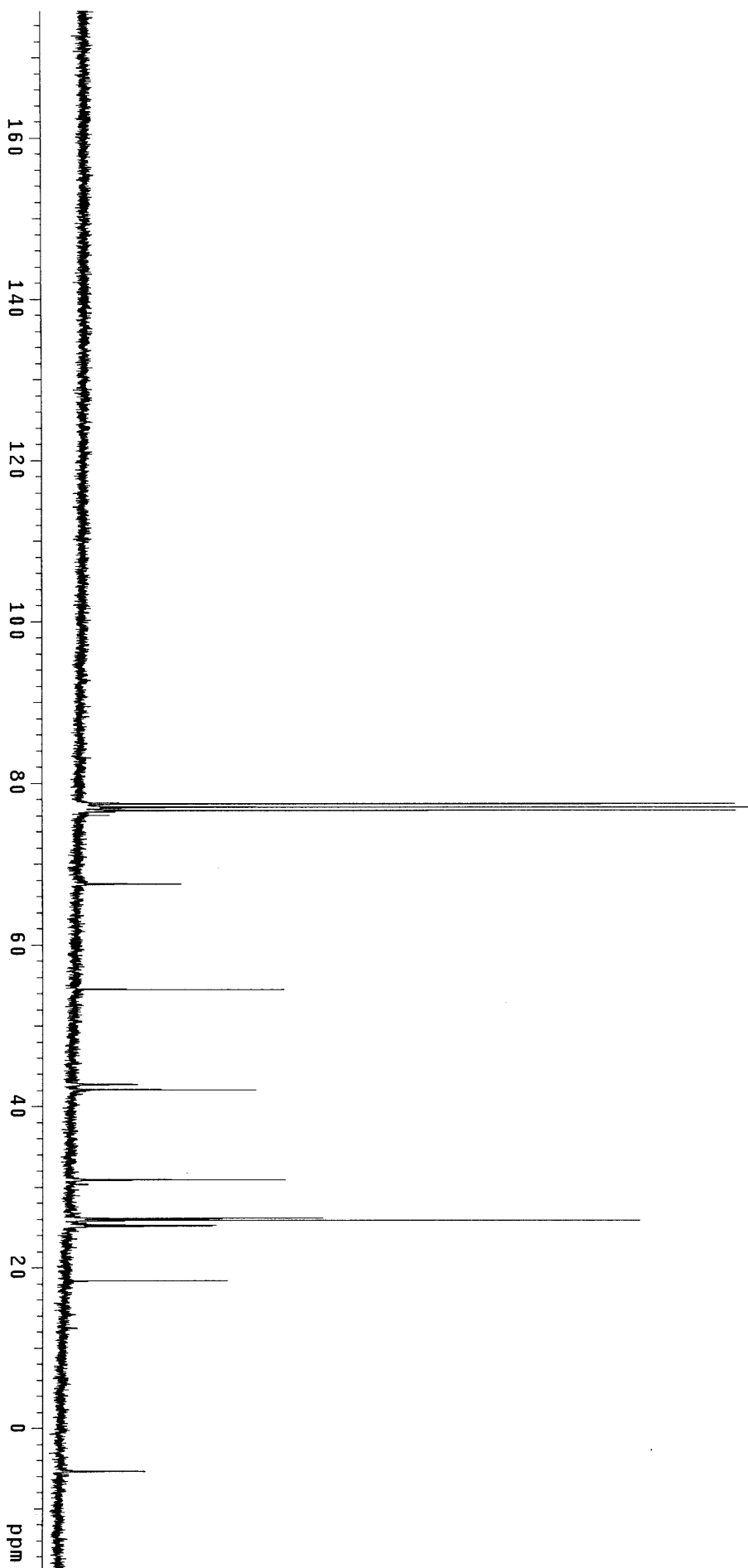


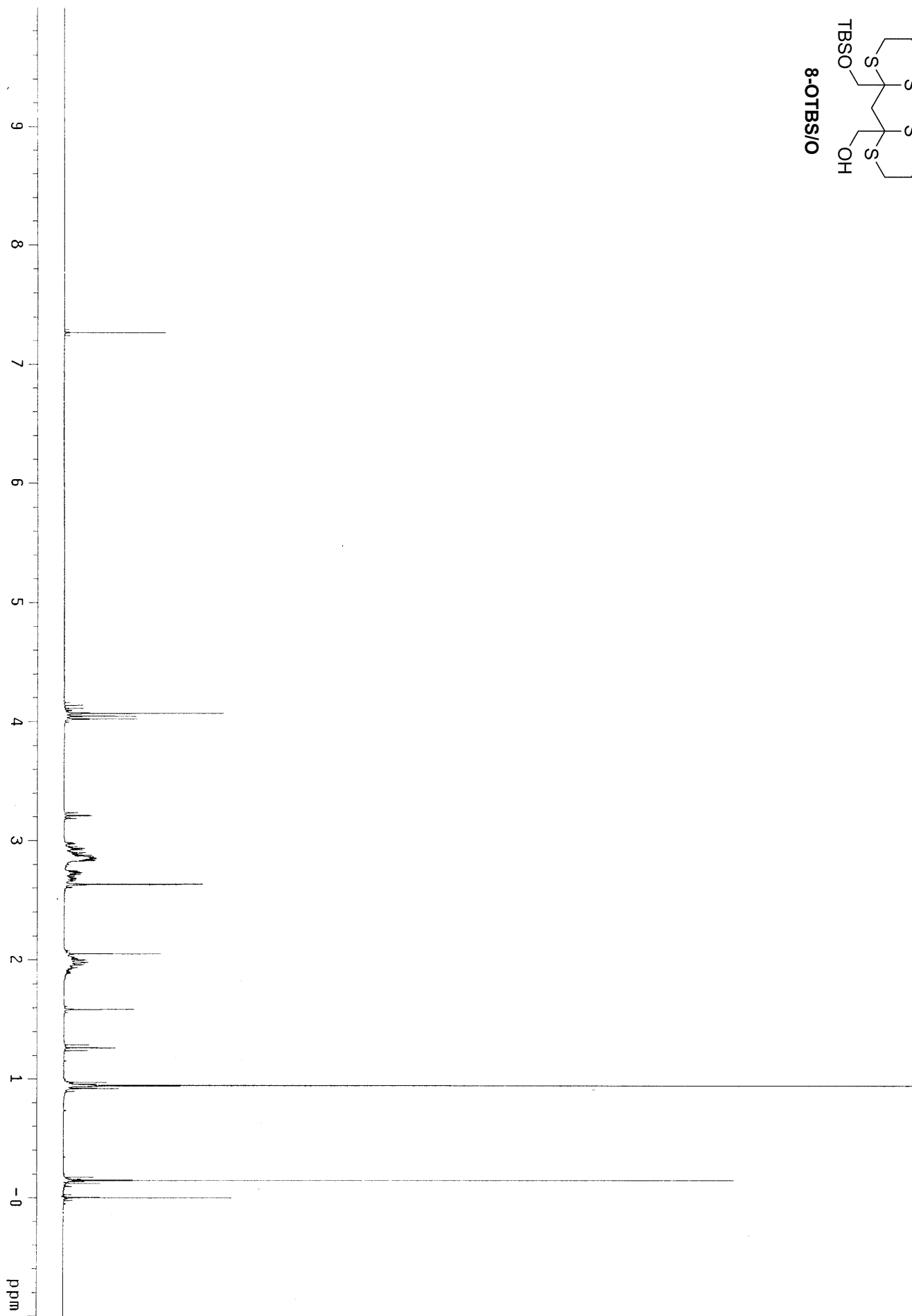
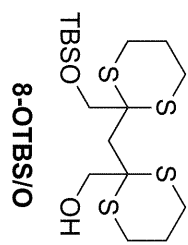
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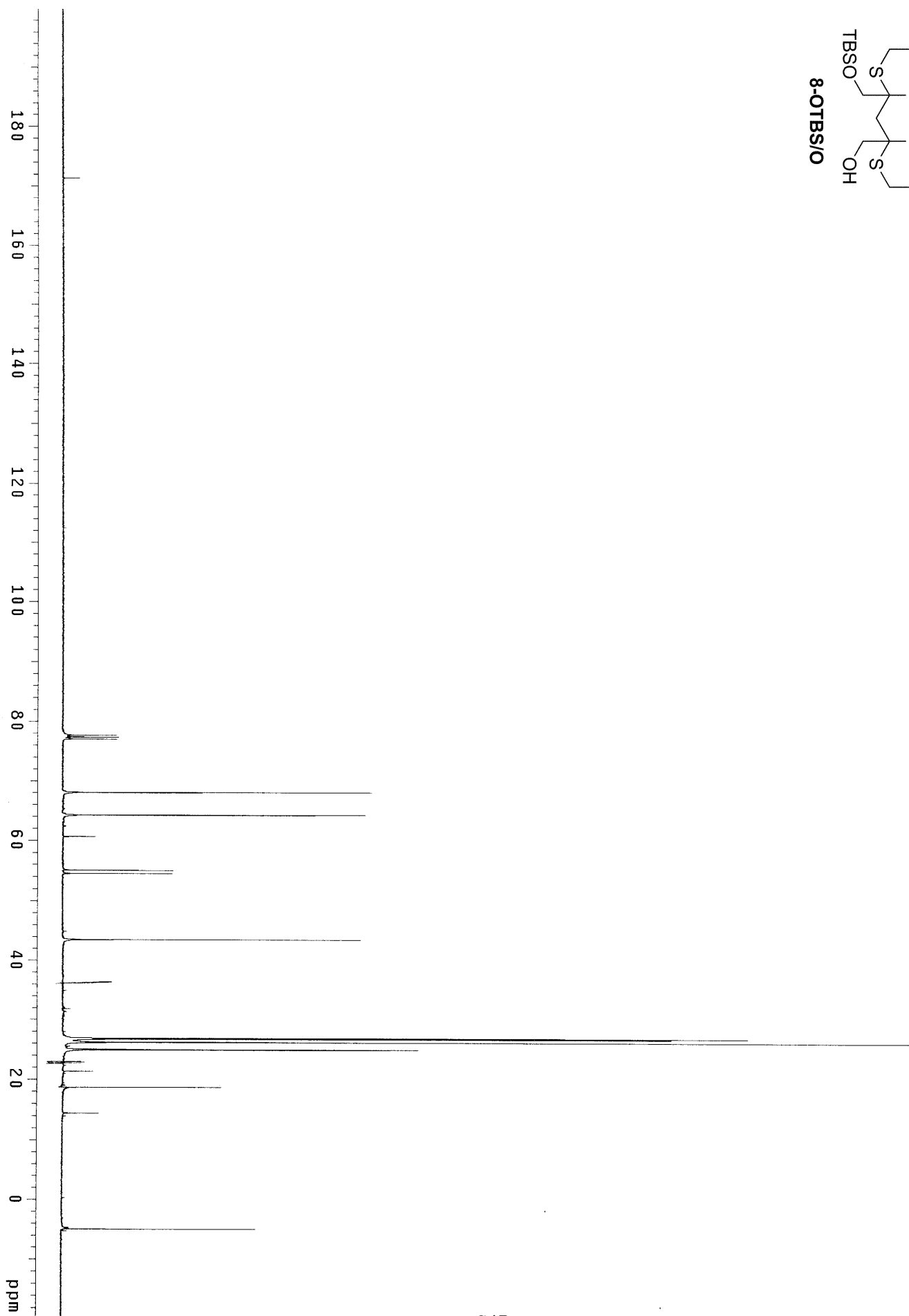
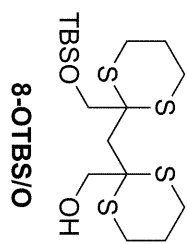


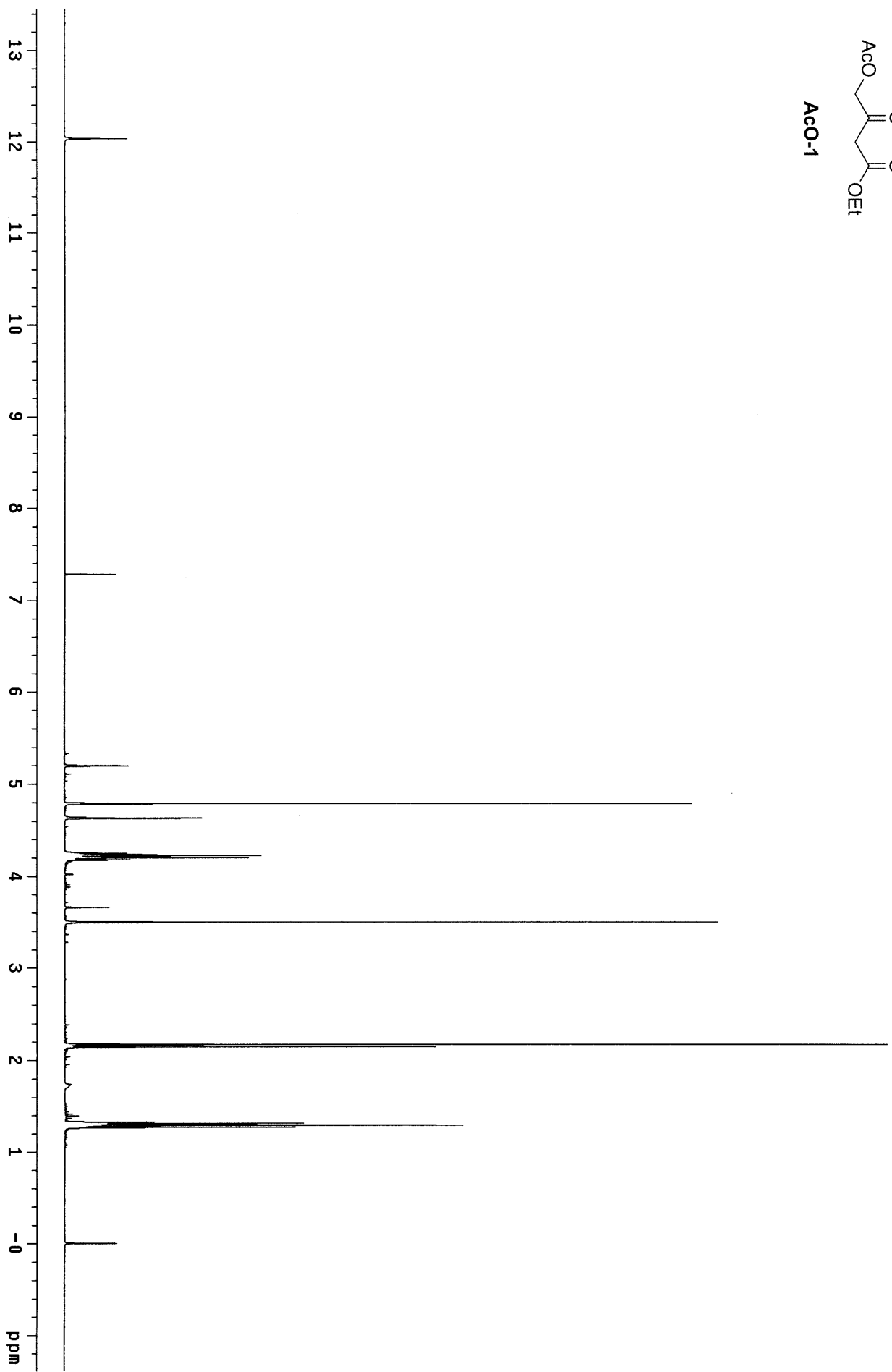
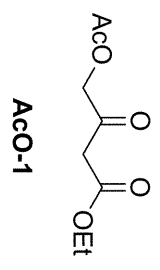


8-OTBS

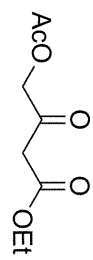




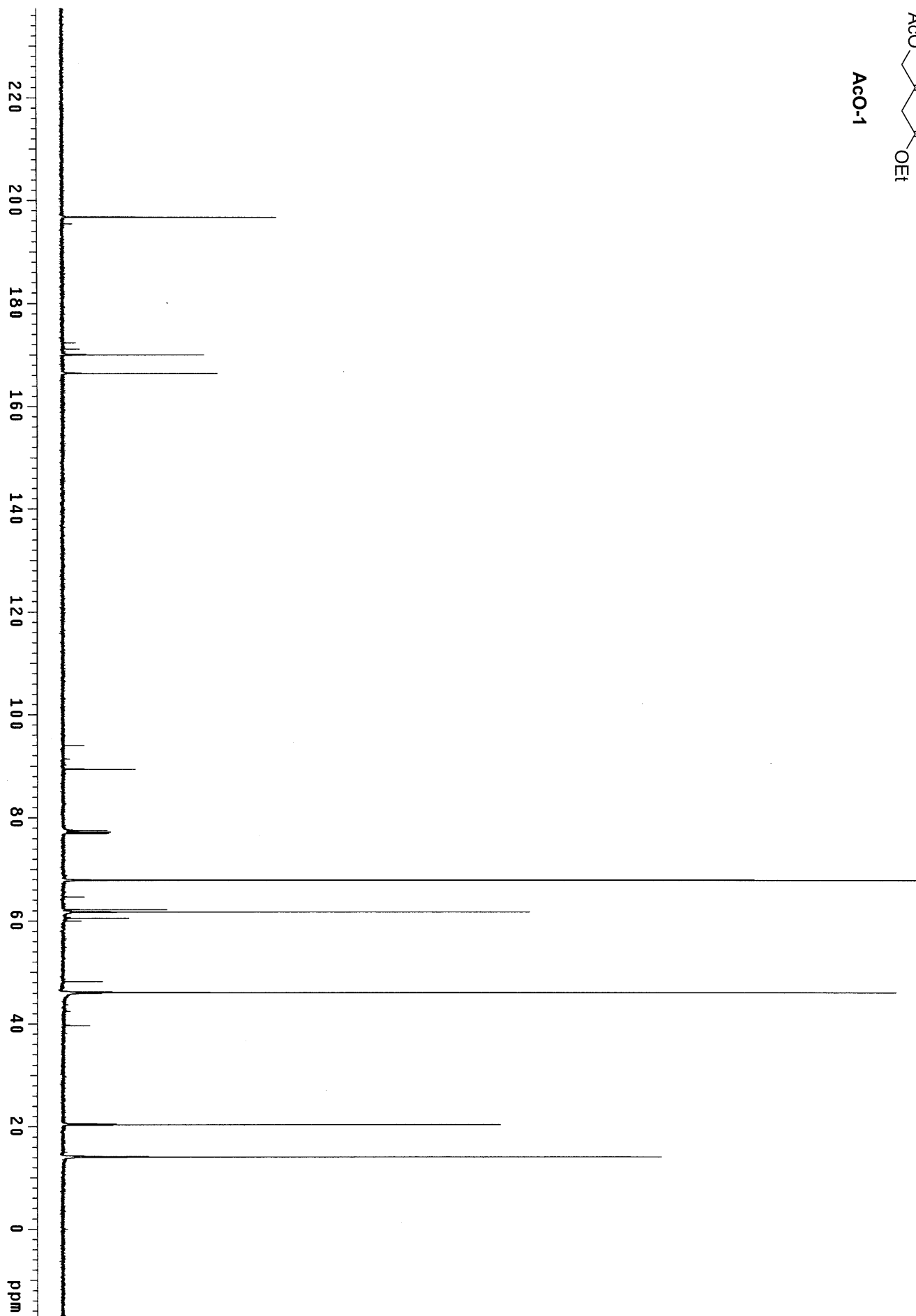


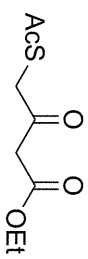




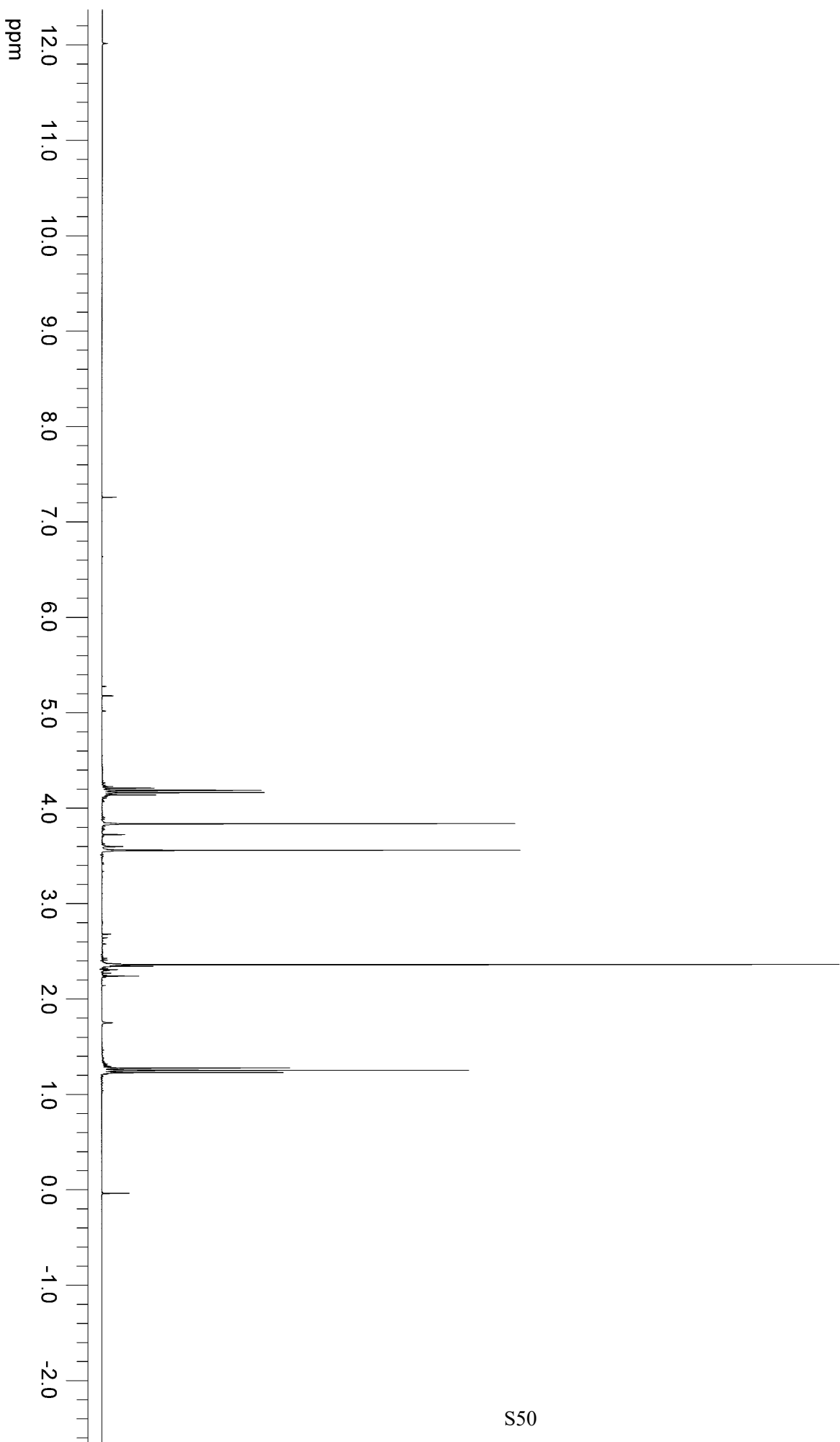


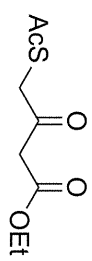
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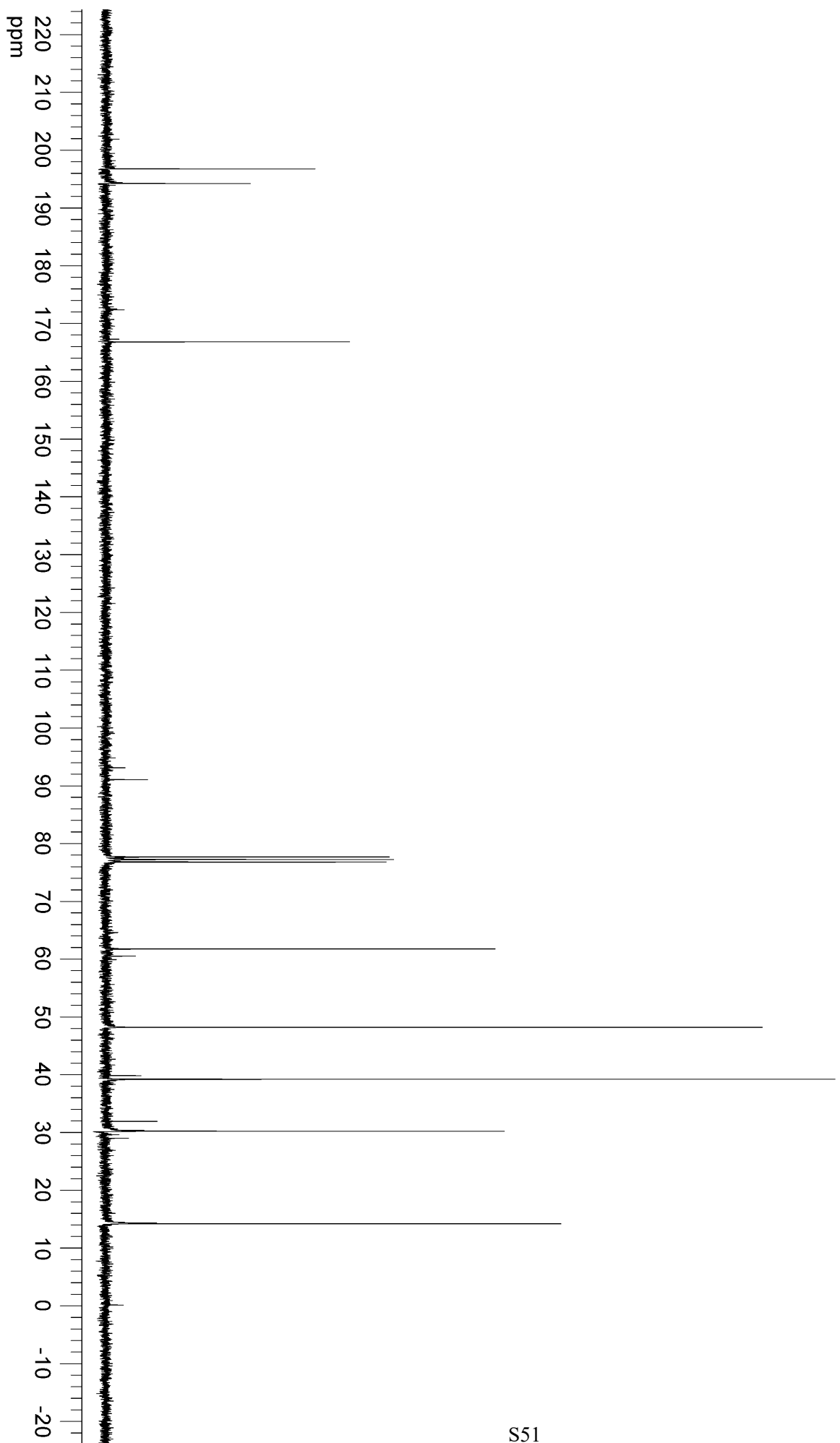


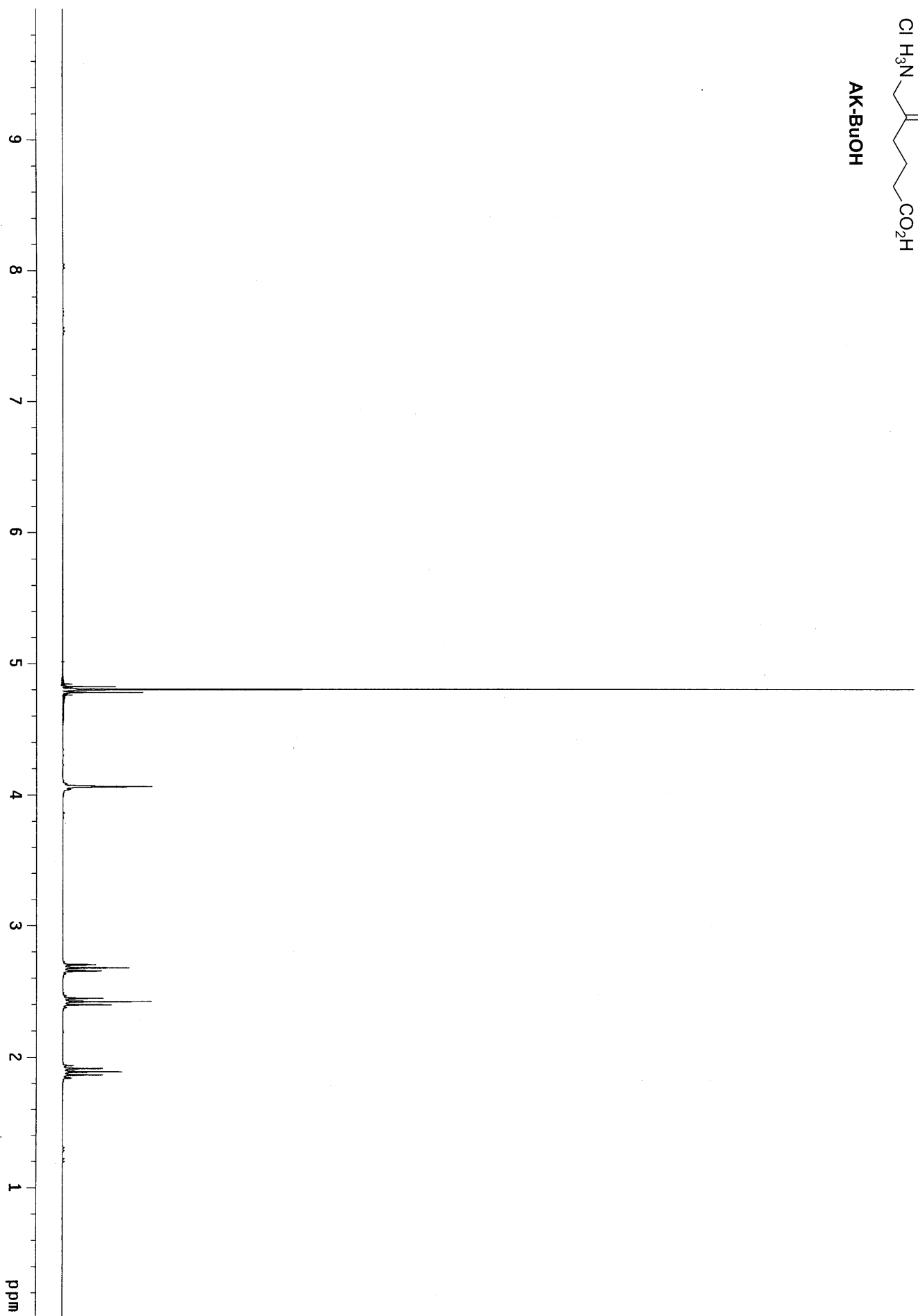
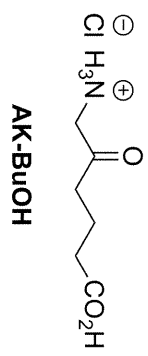
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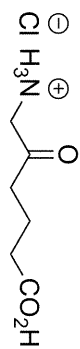




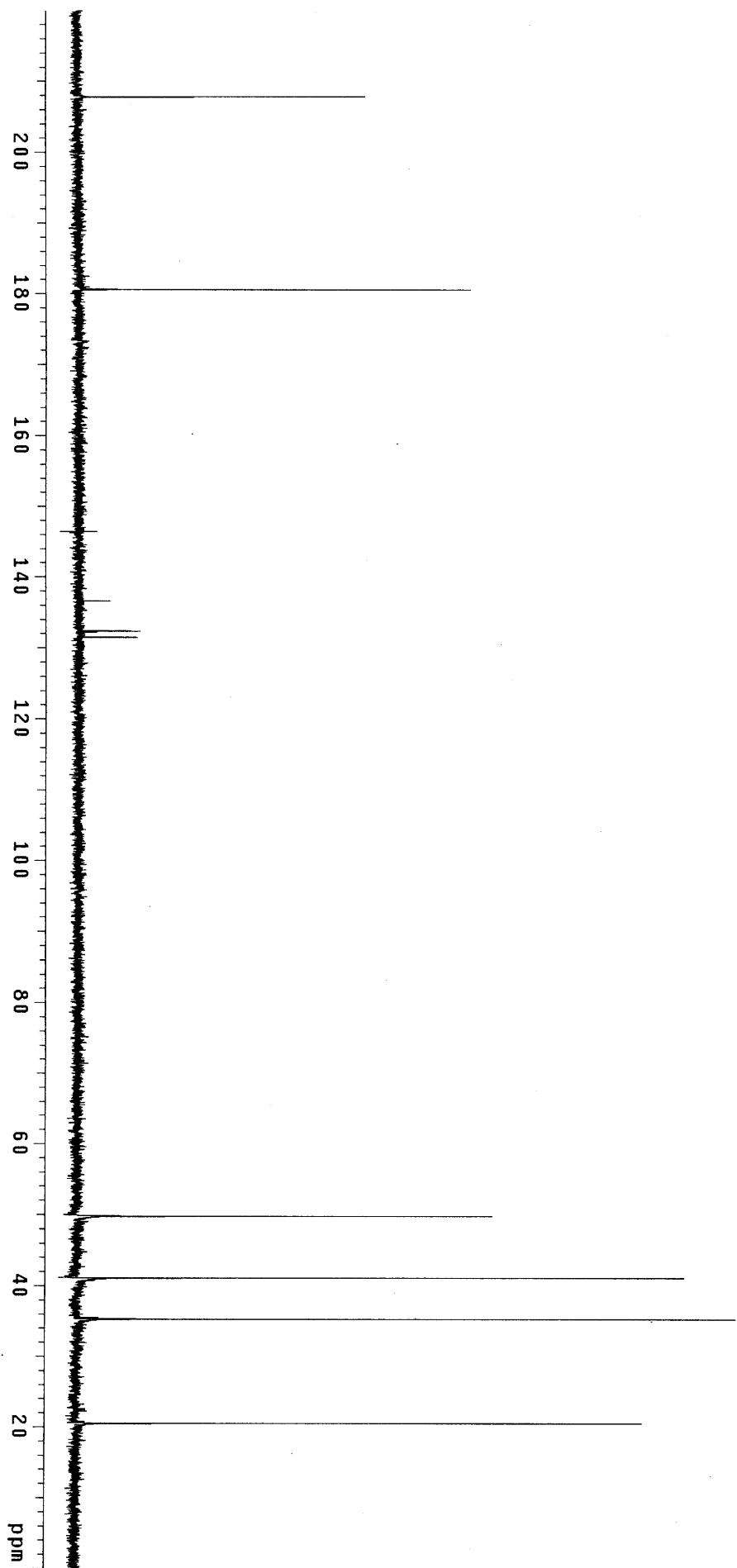
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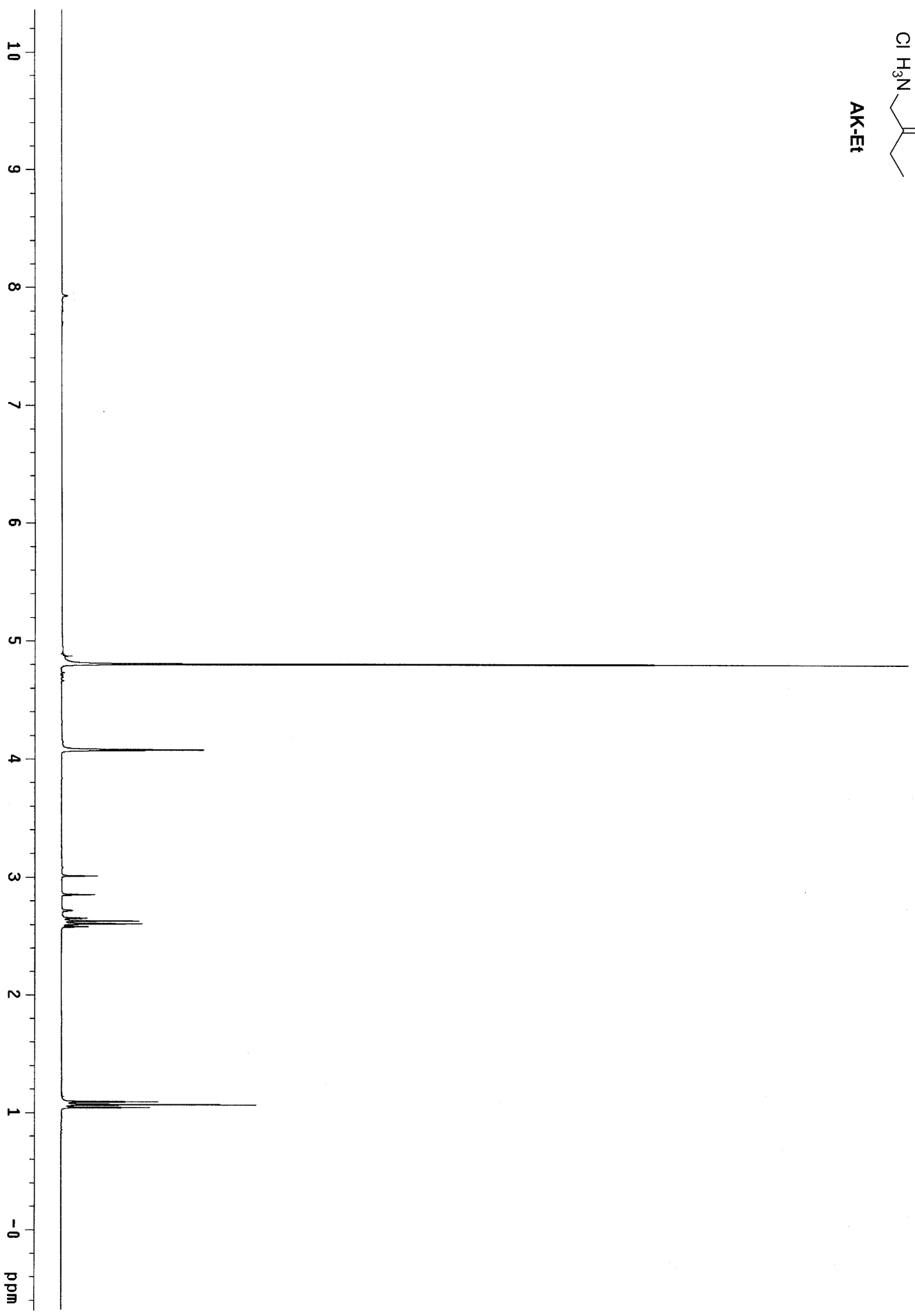
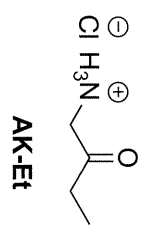


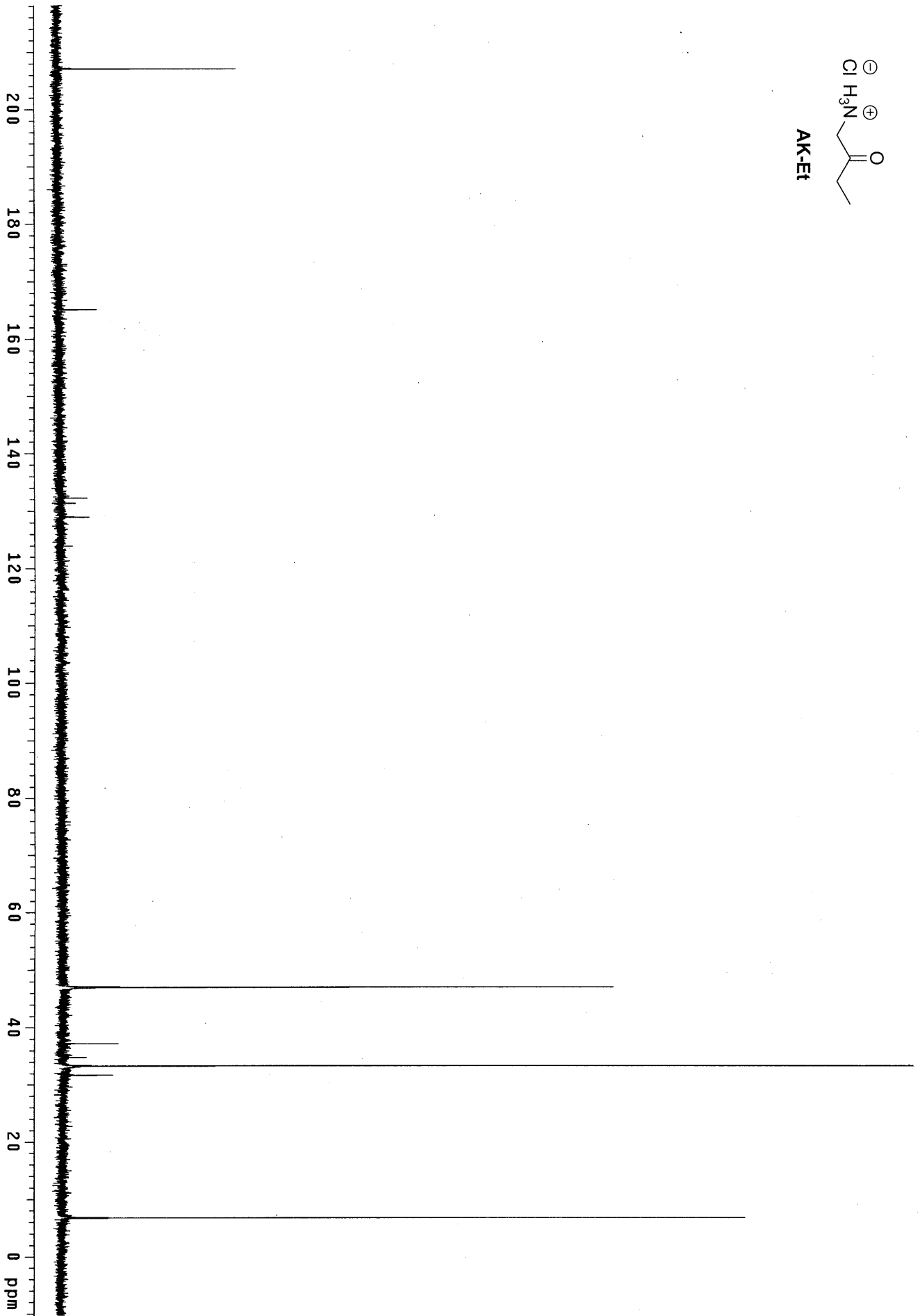
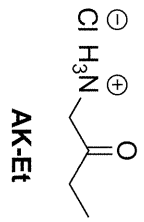


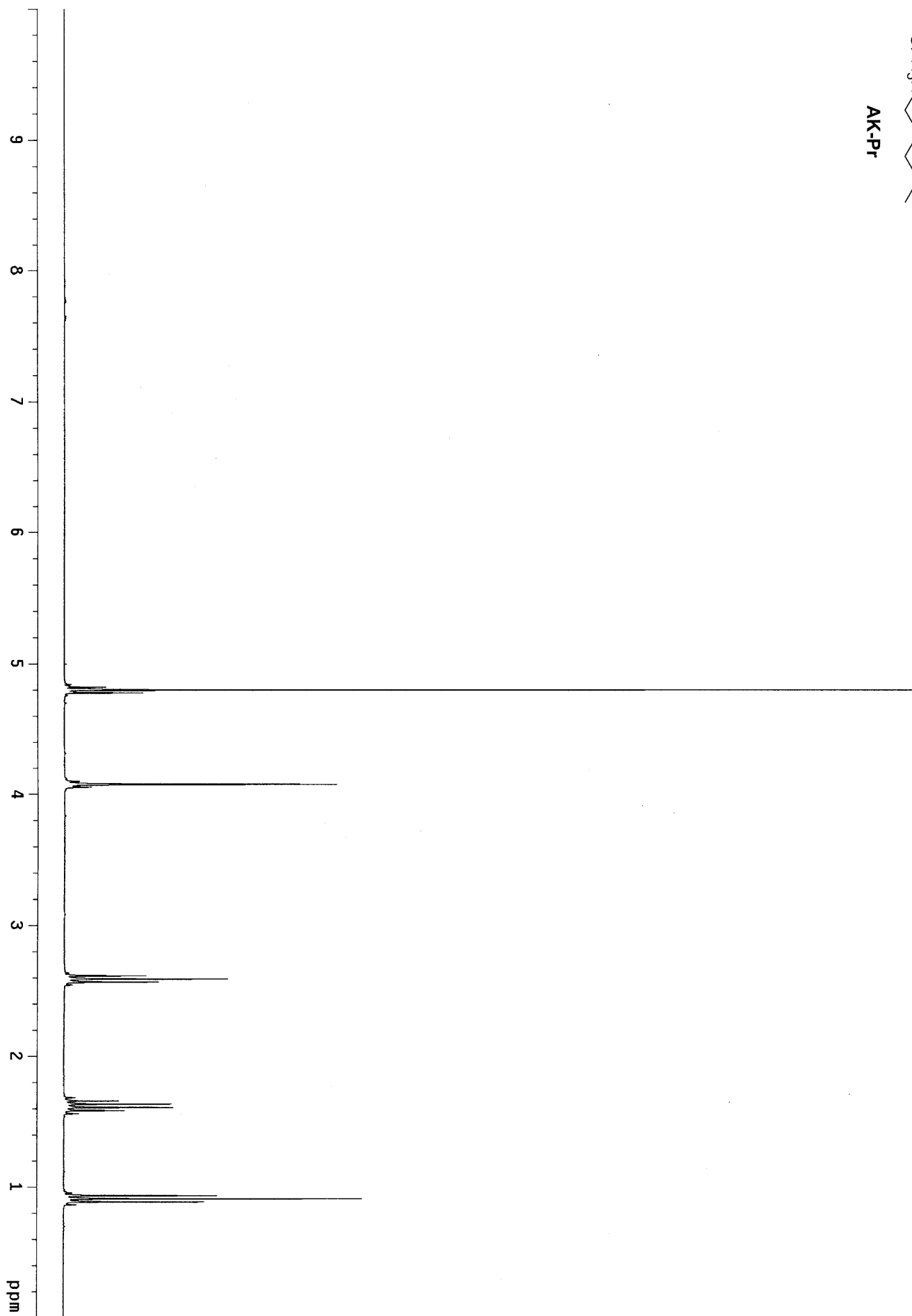
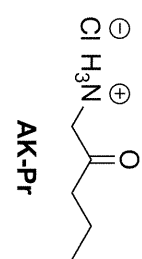


AK-BuOH

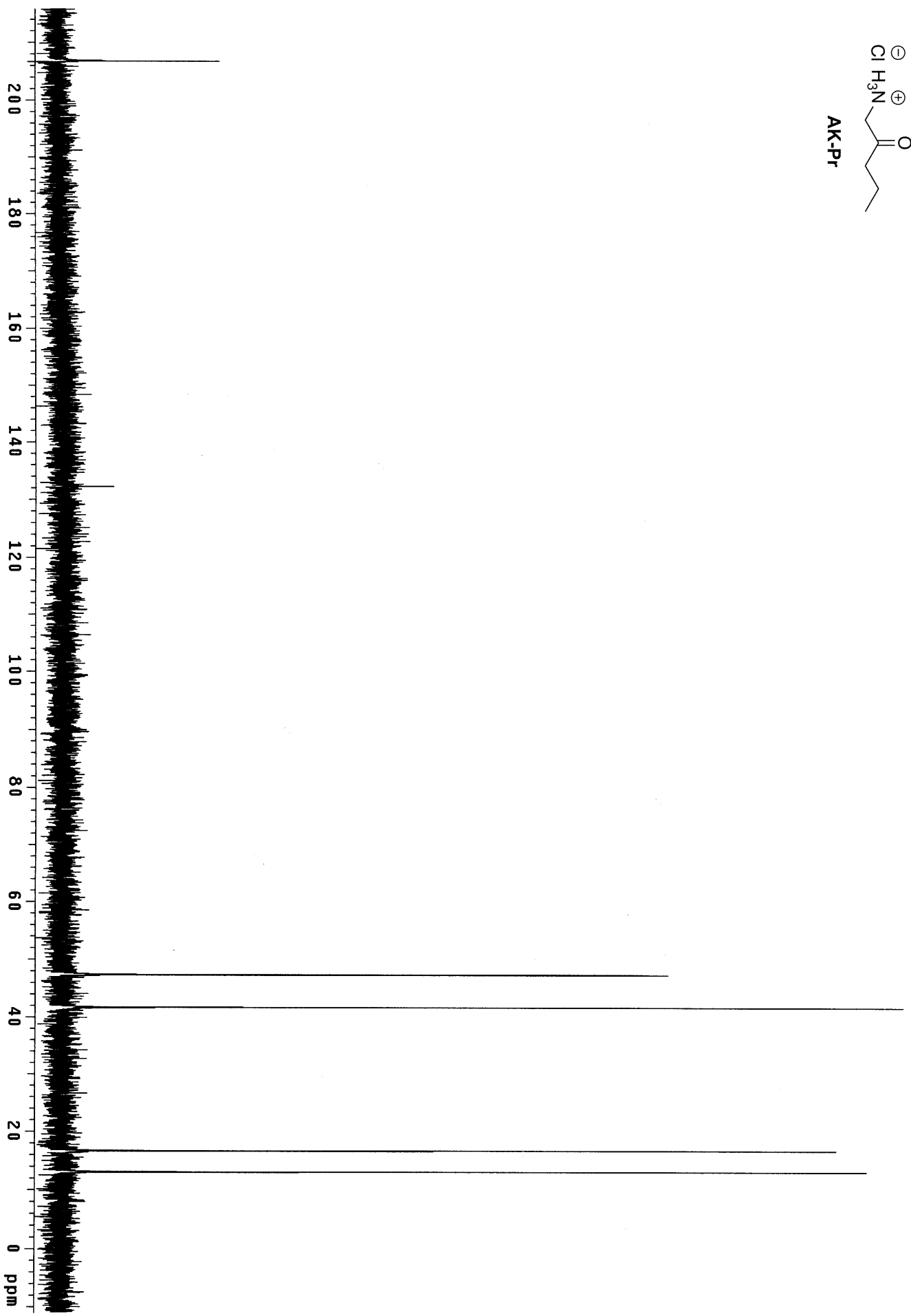
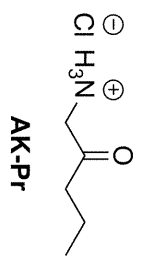


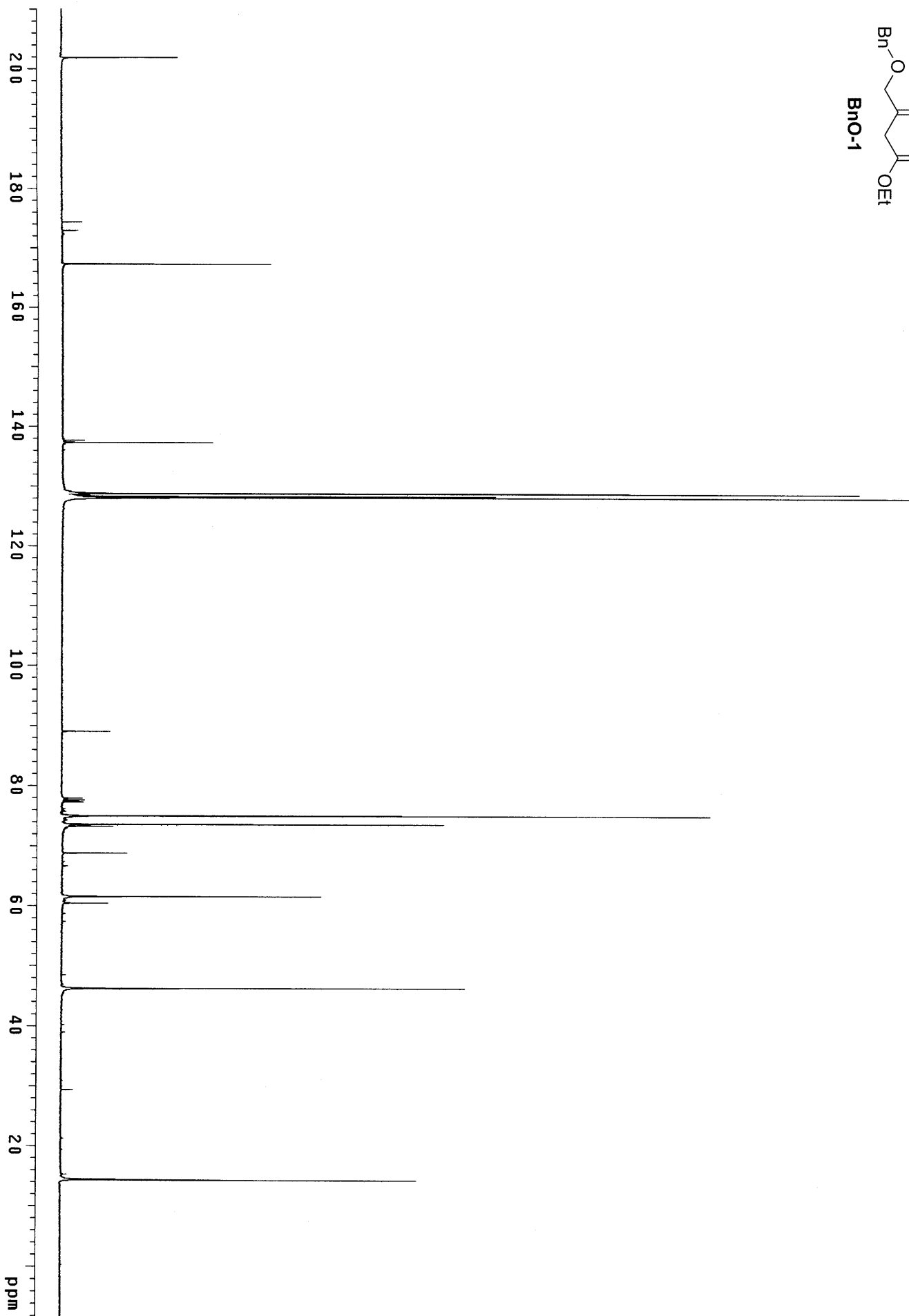
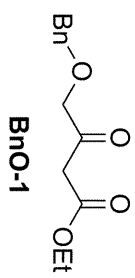


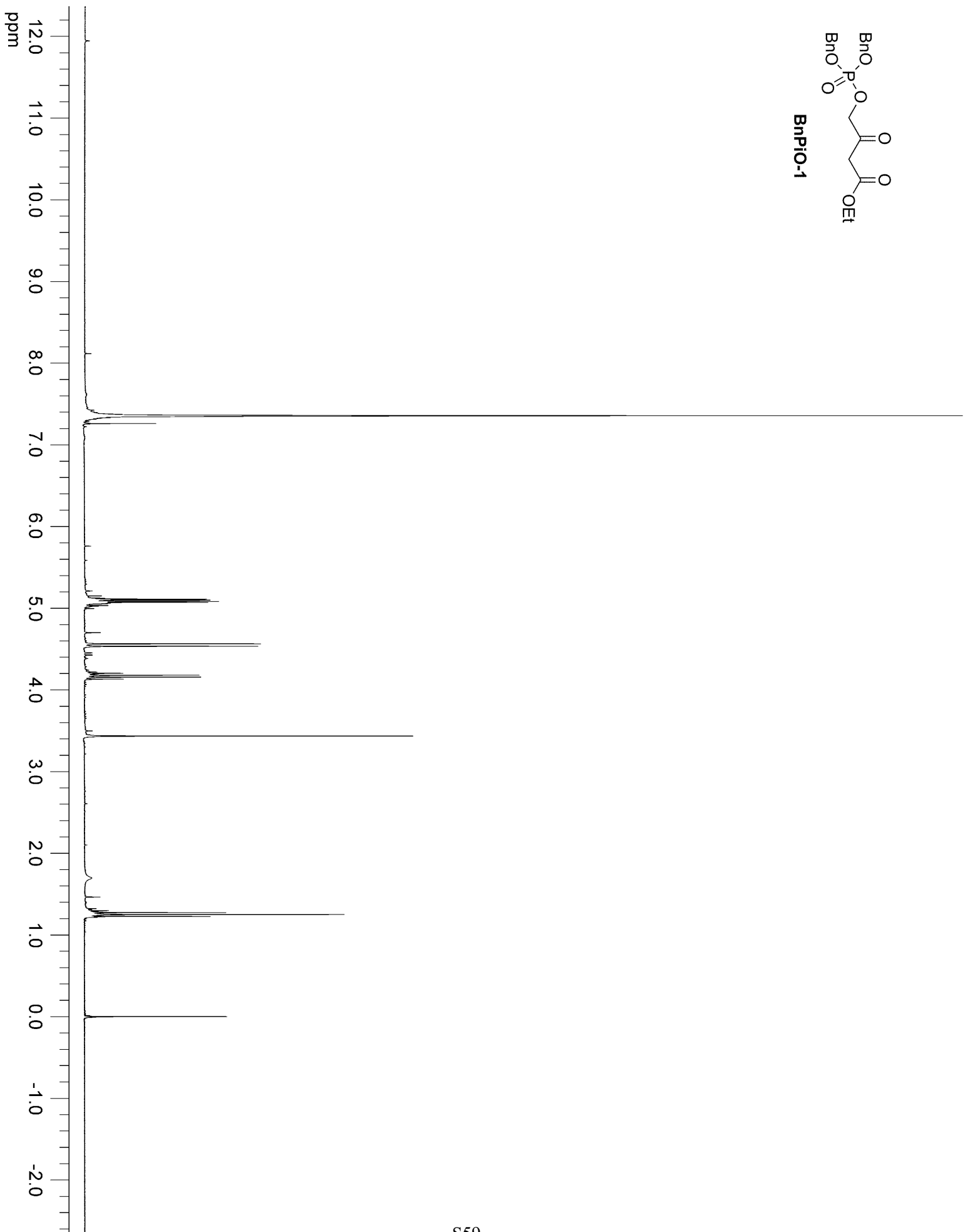
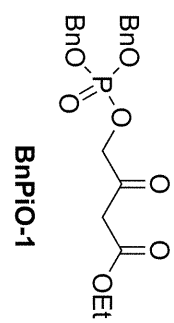


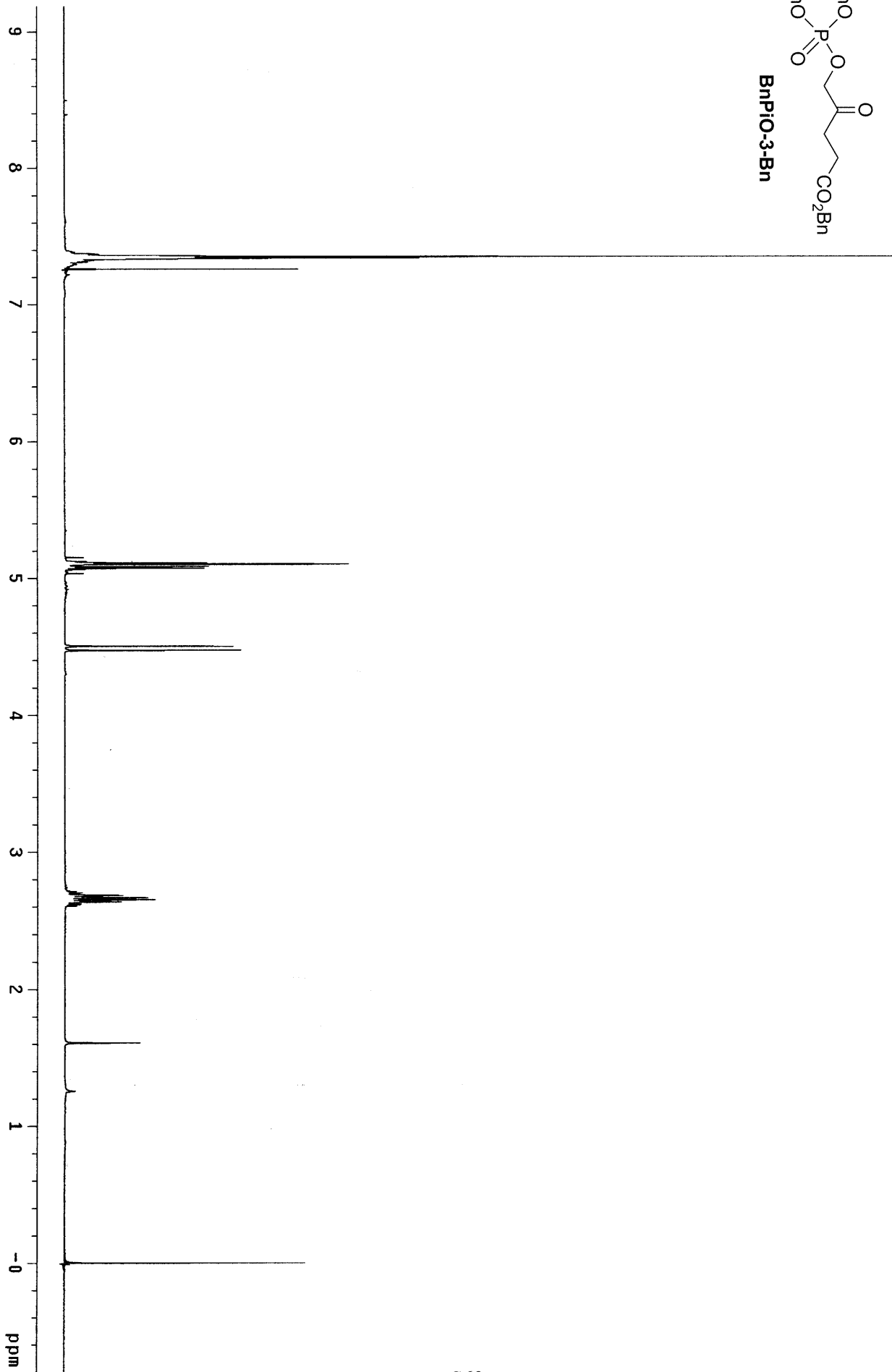
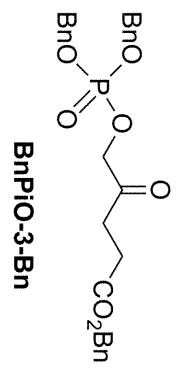


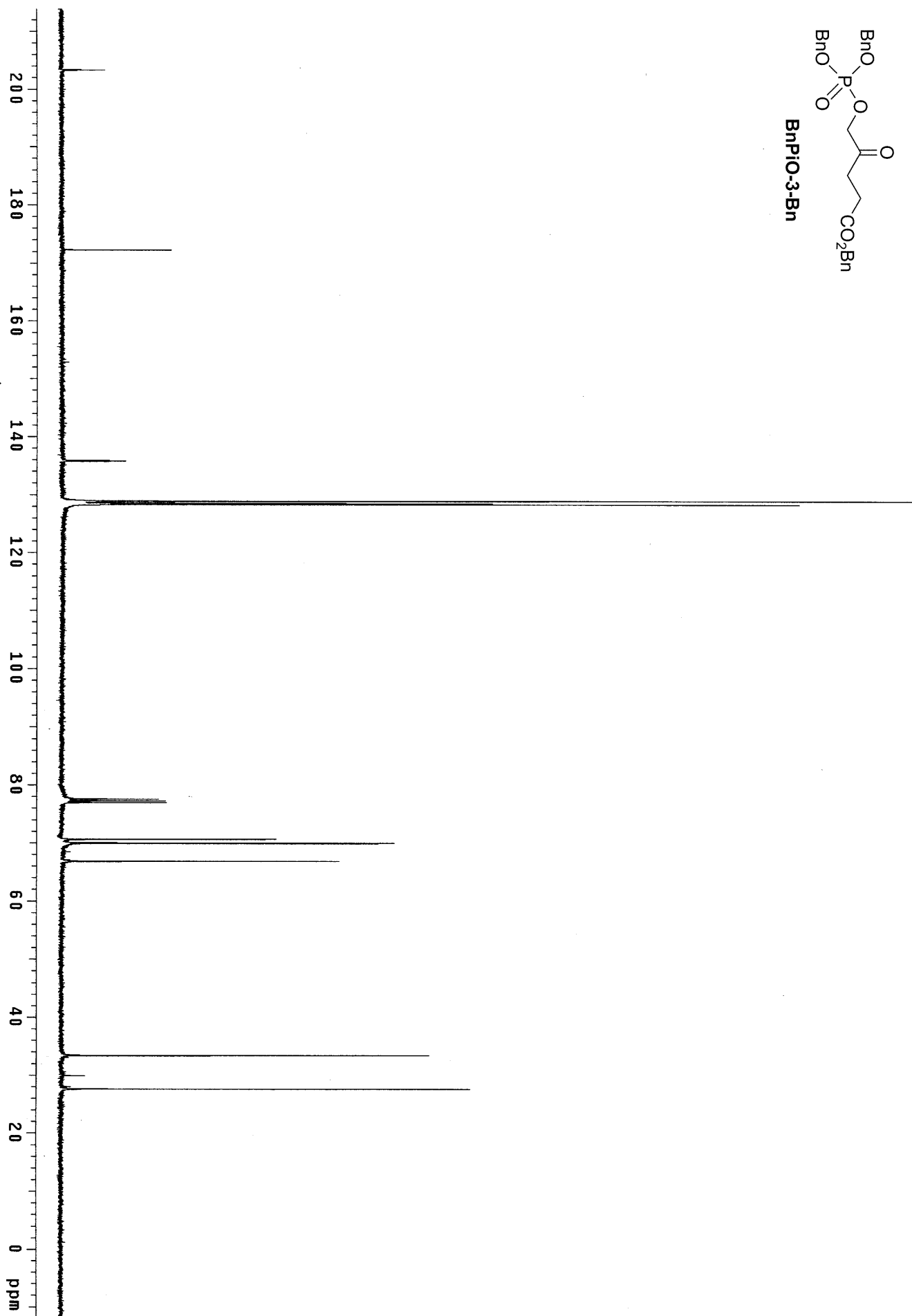
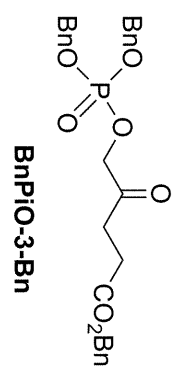


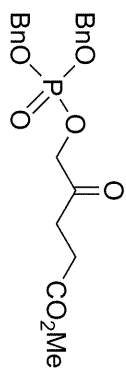




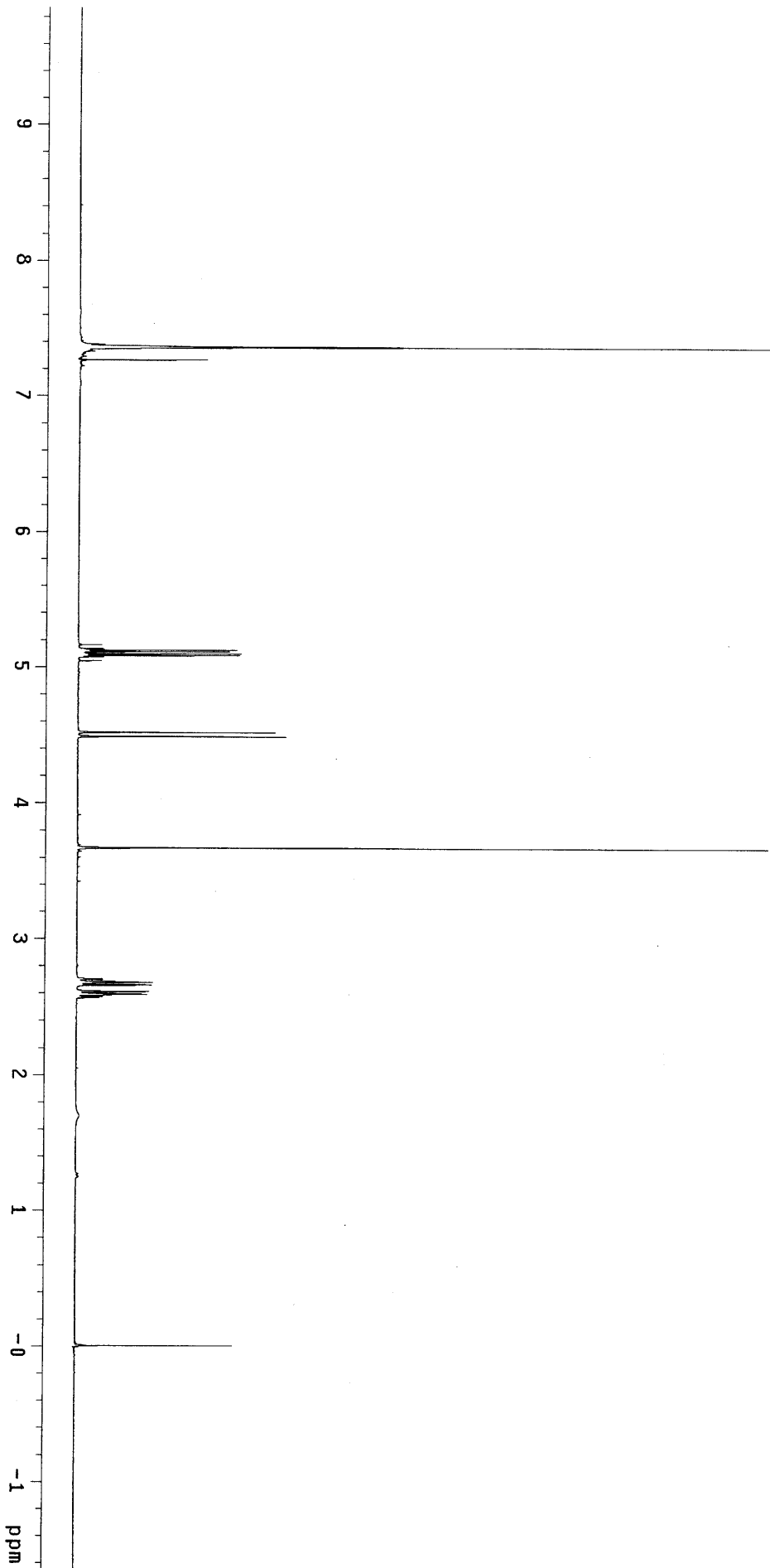


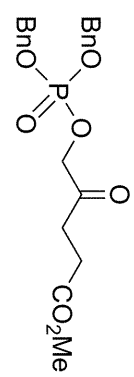




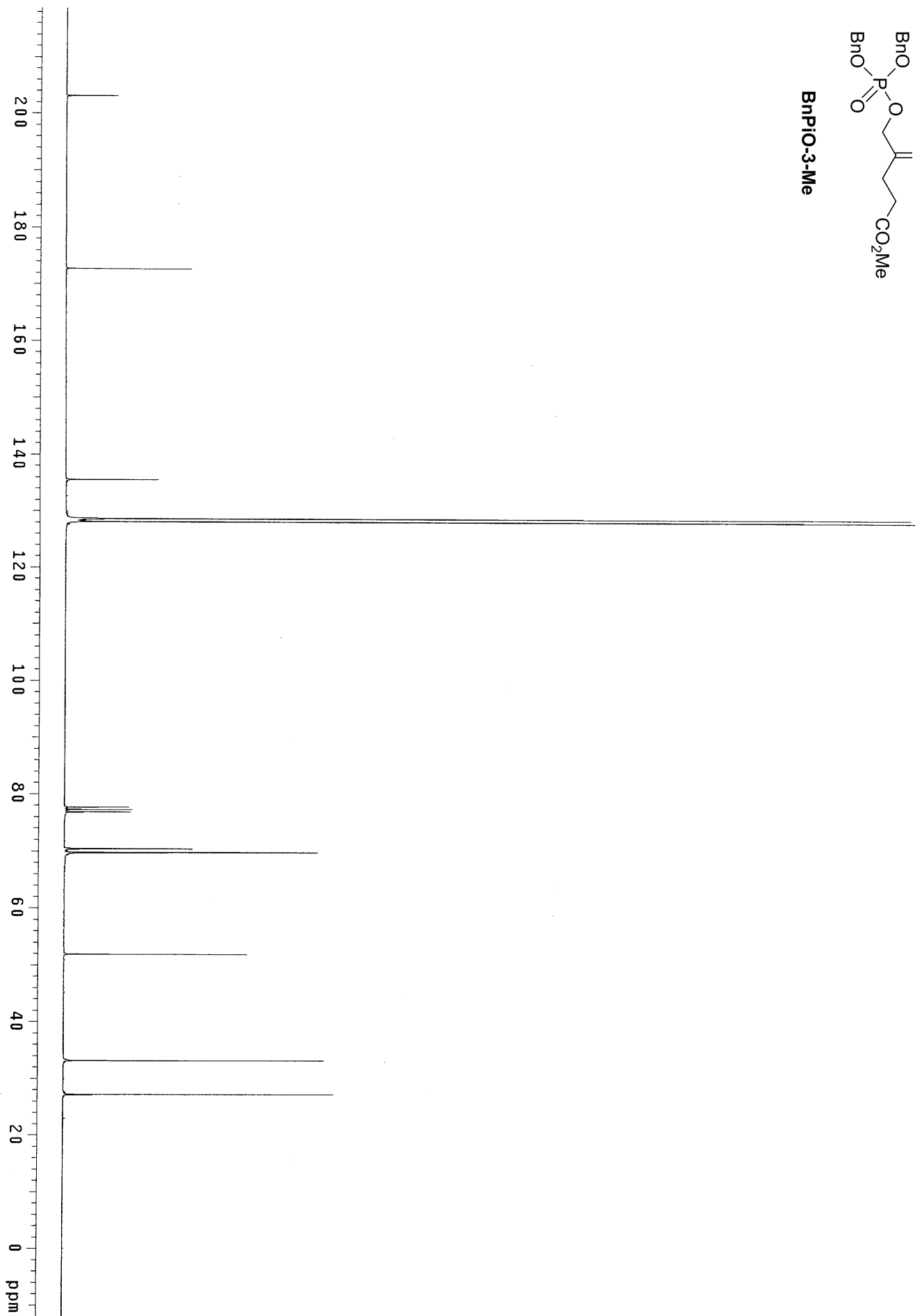


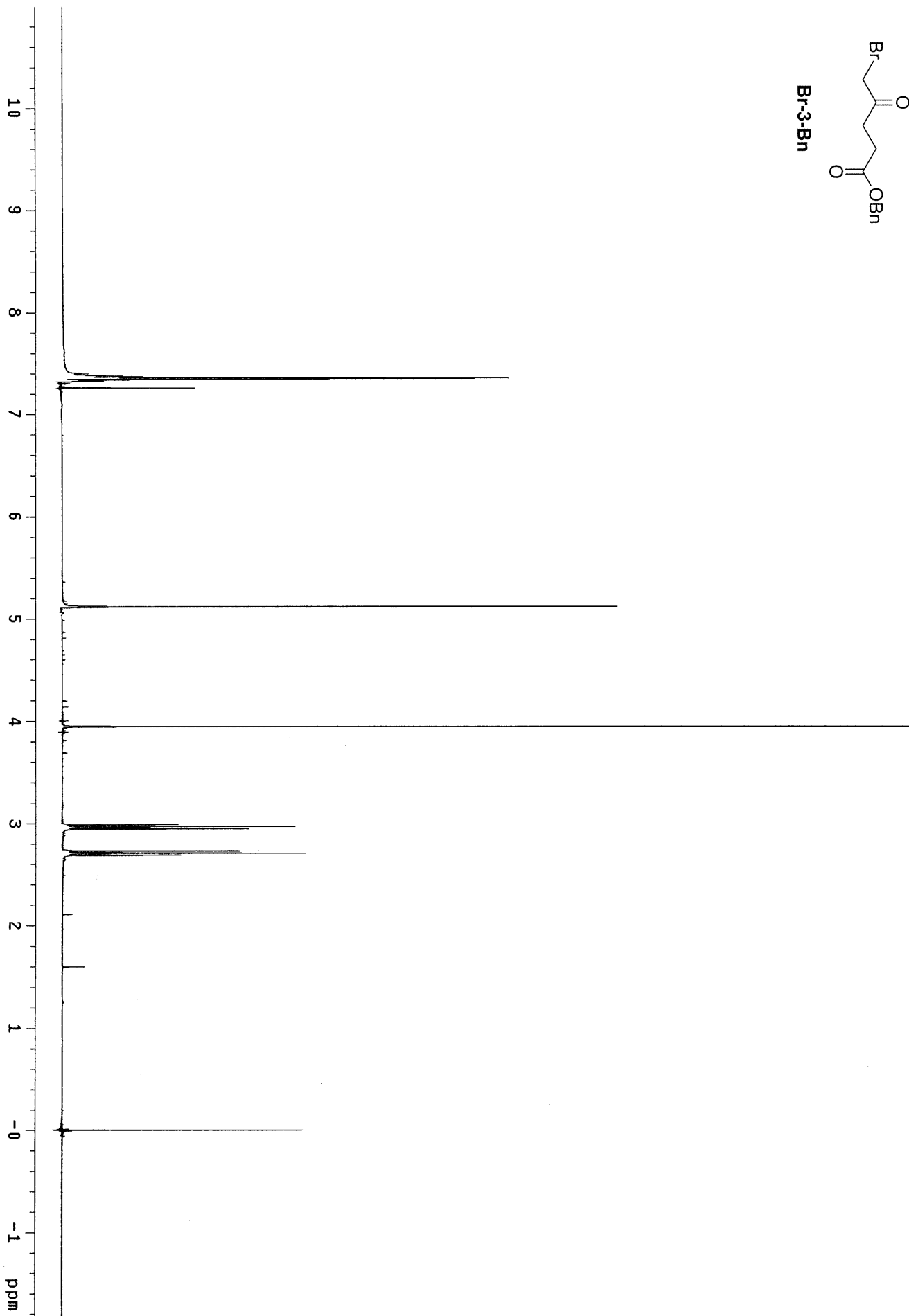
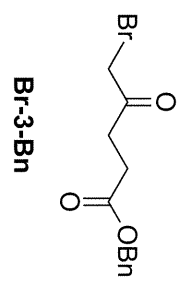
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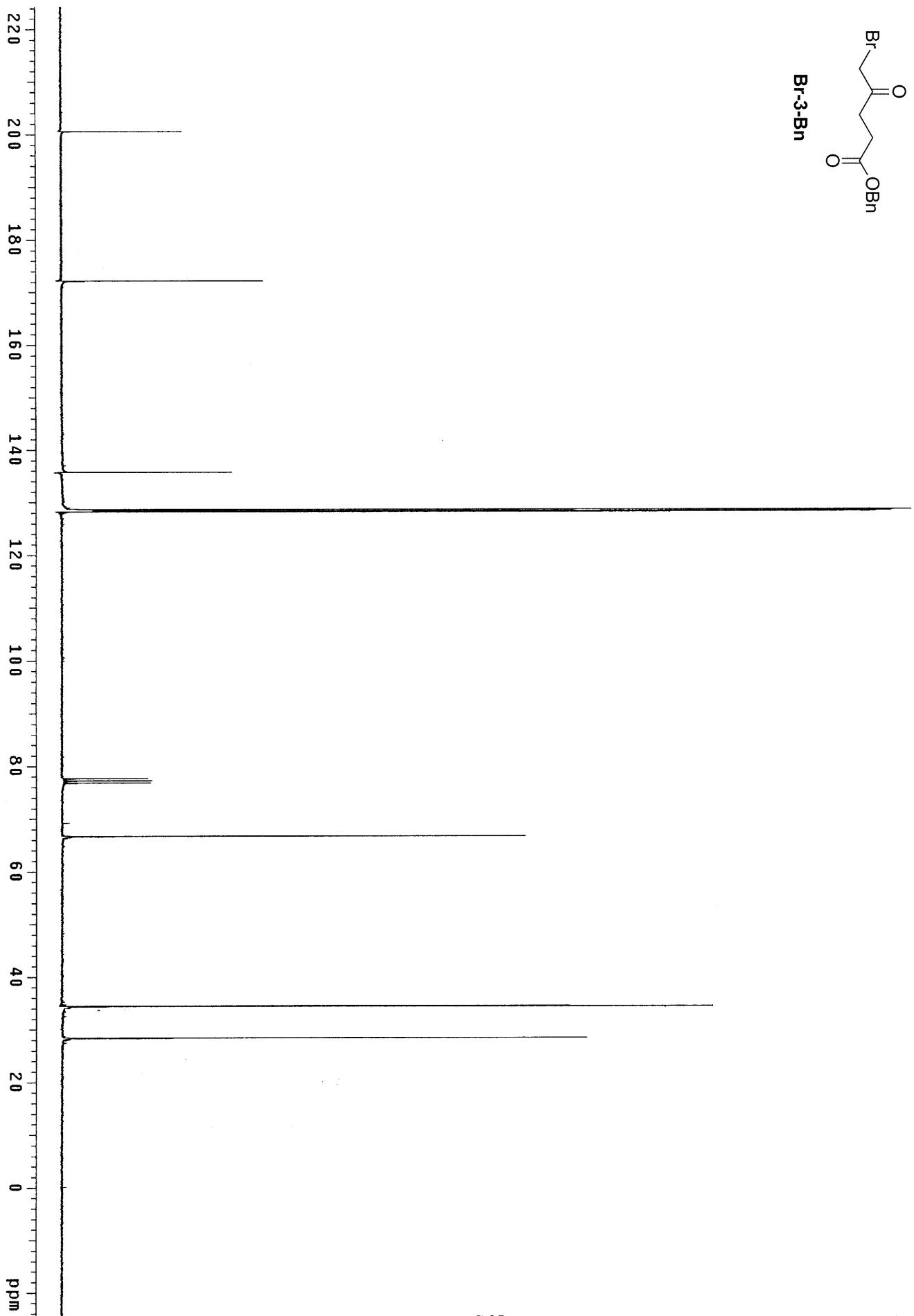
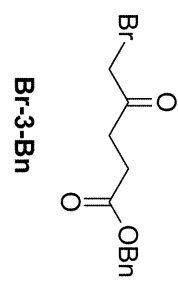


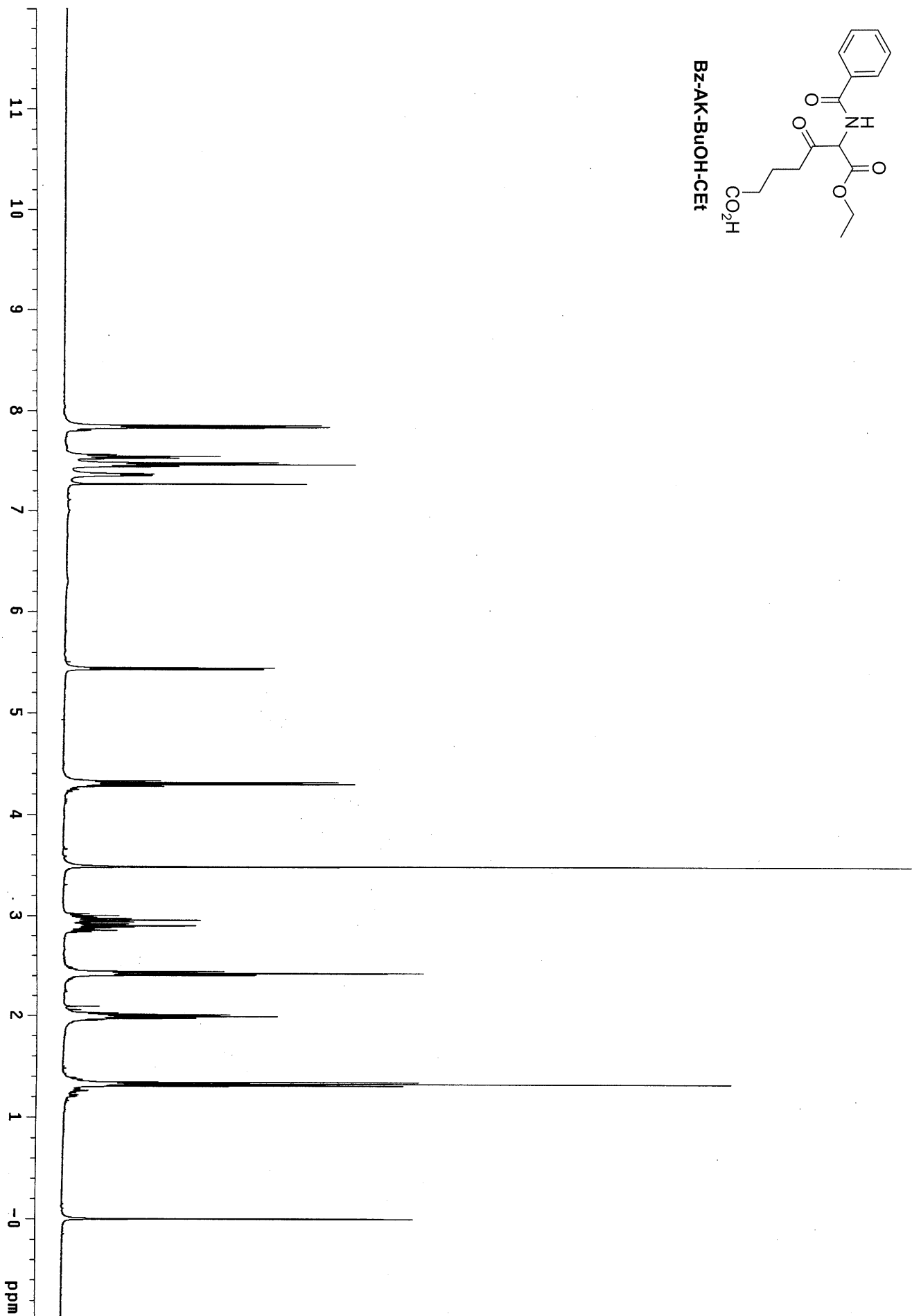
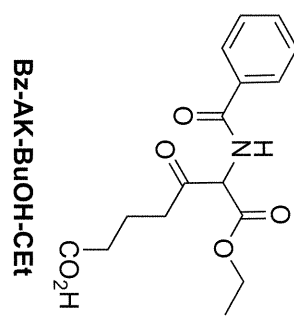
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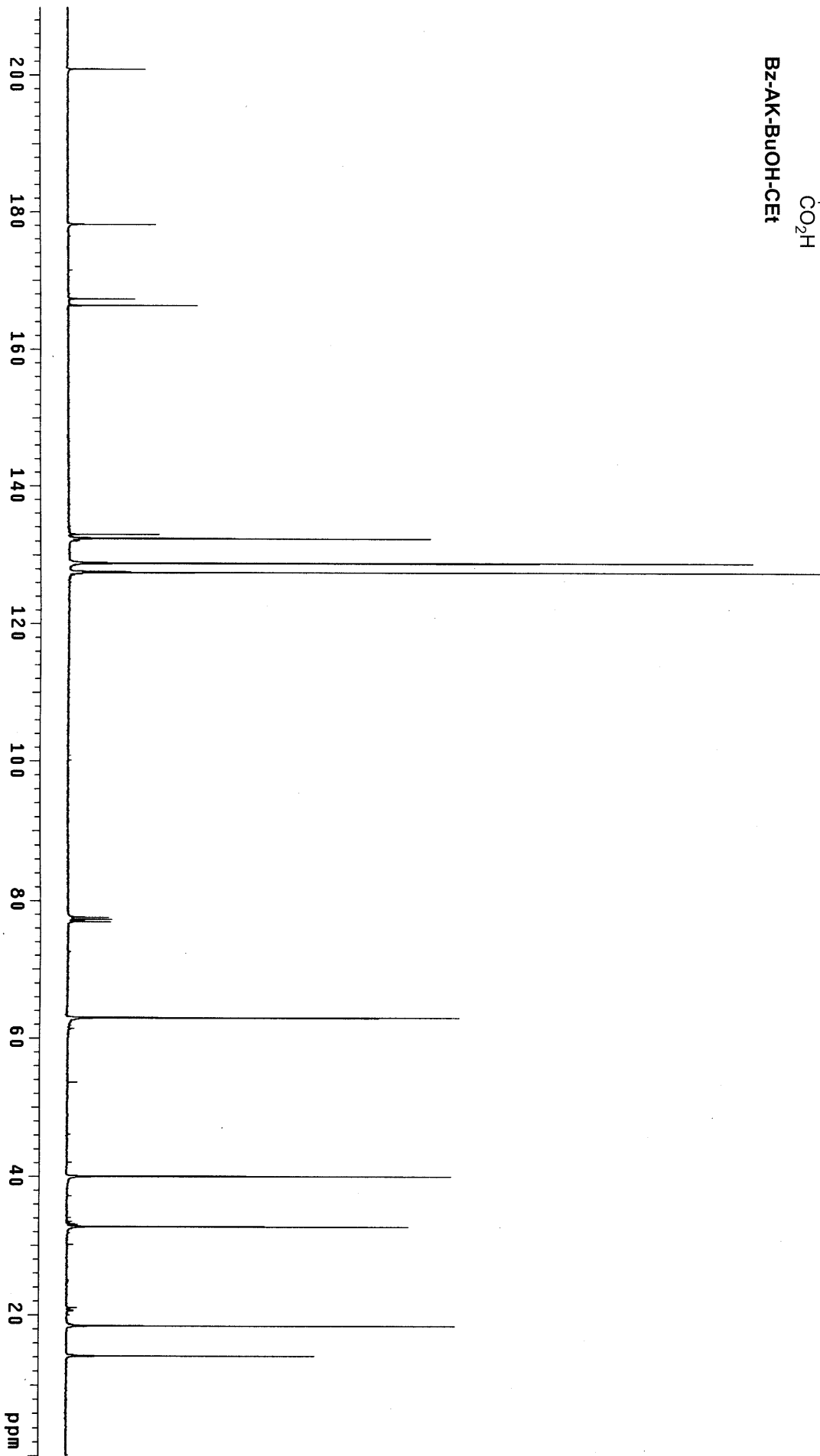
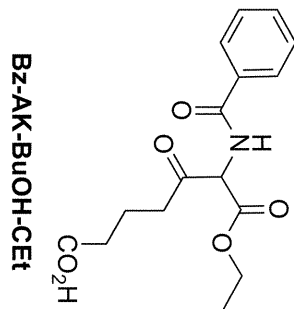


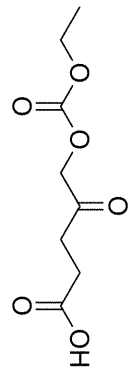




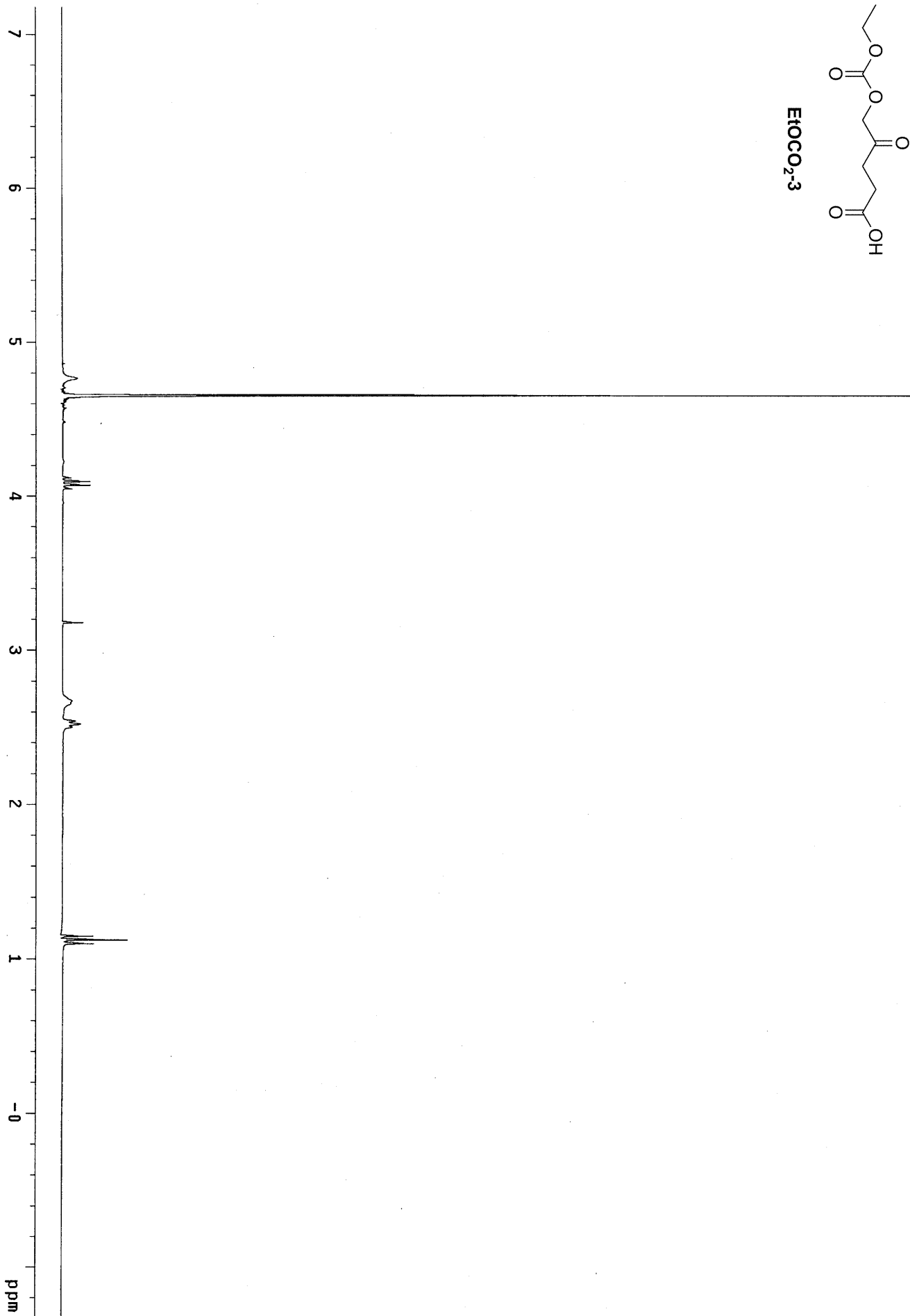


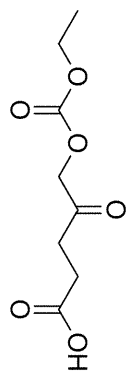




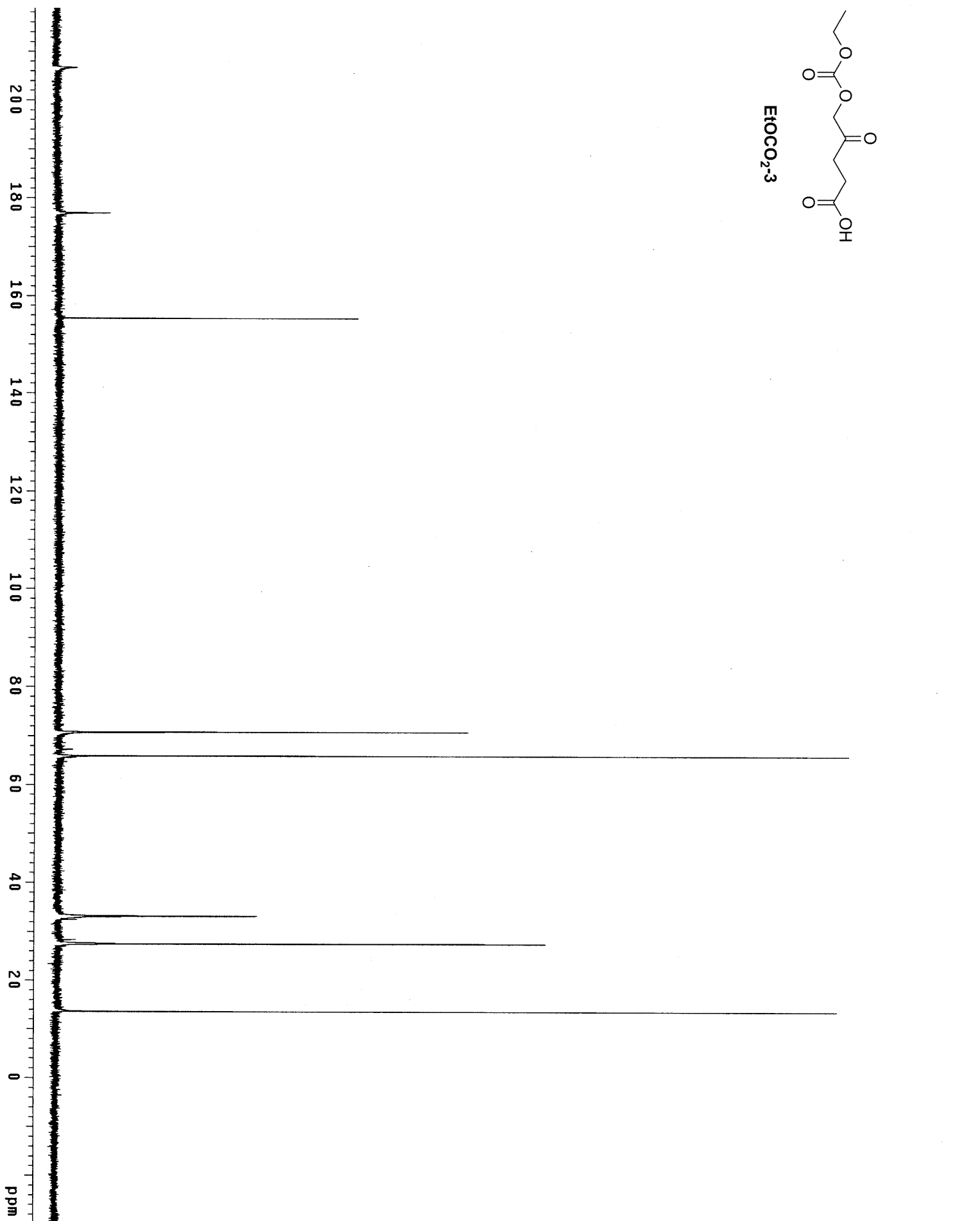


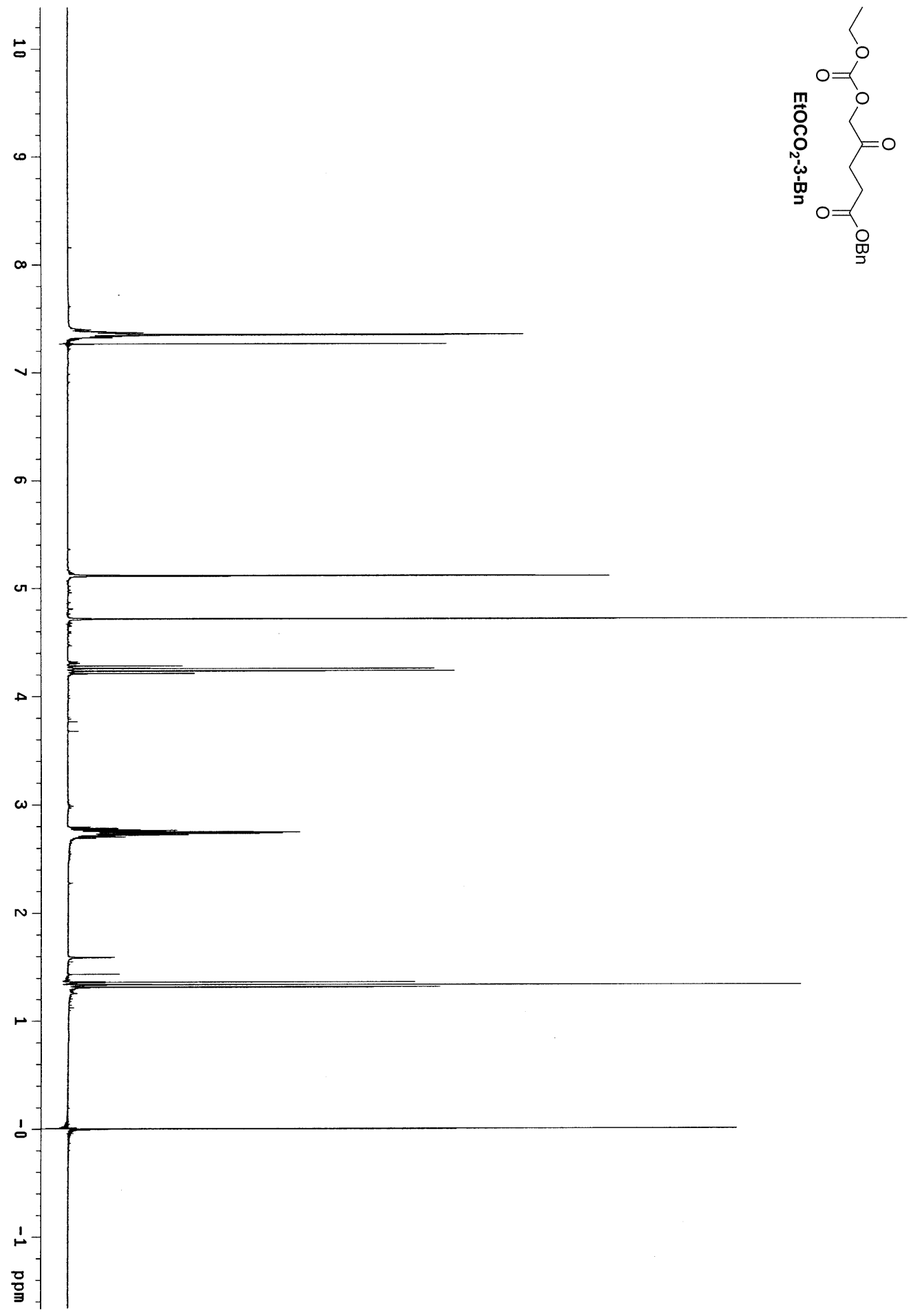
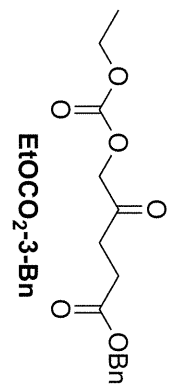
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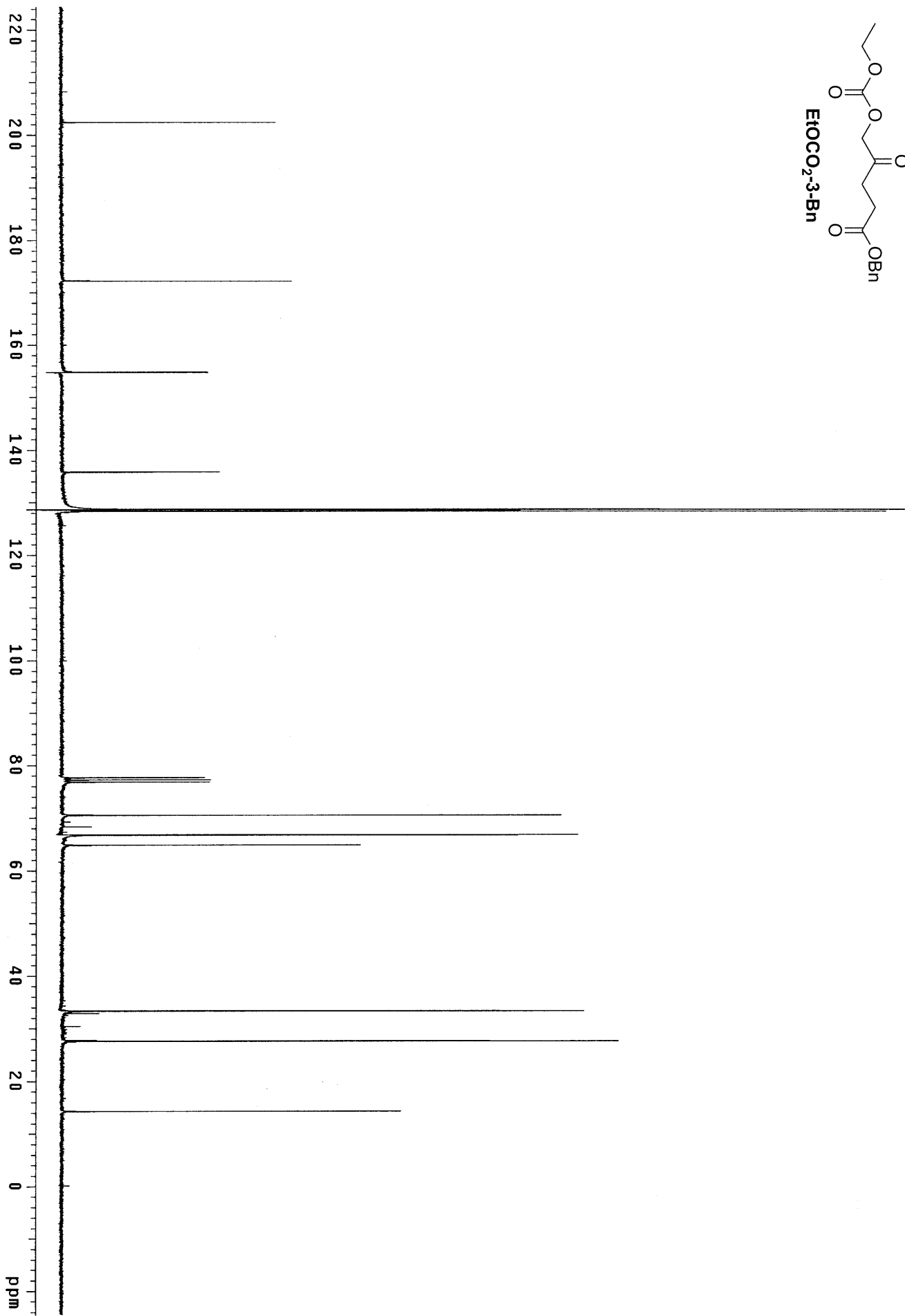
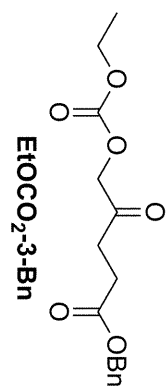


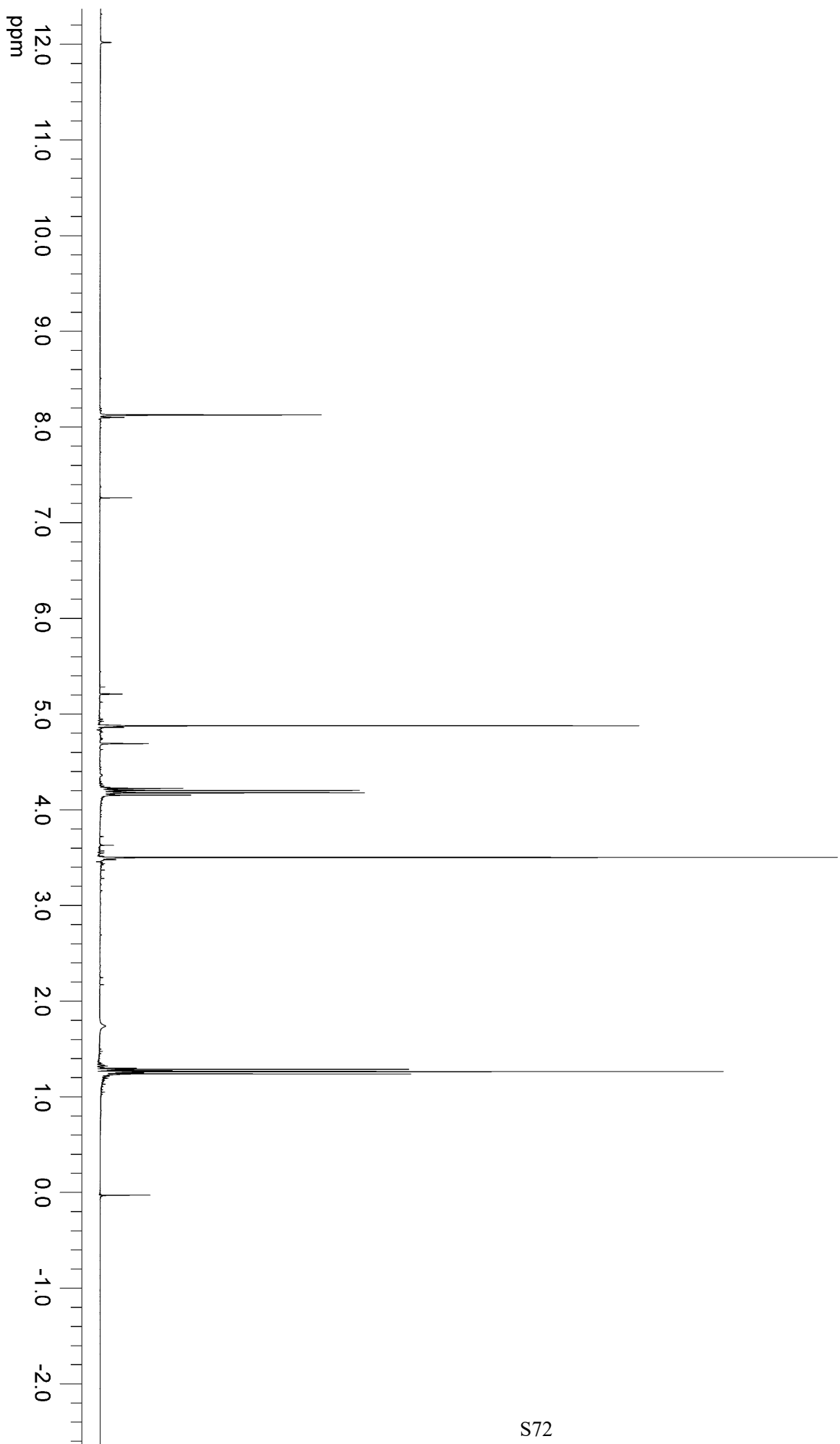
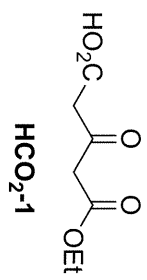


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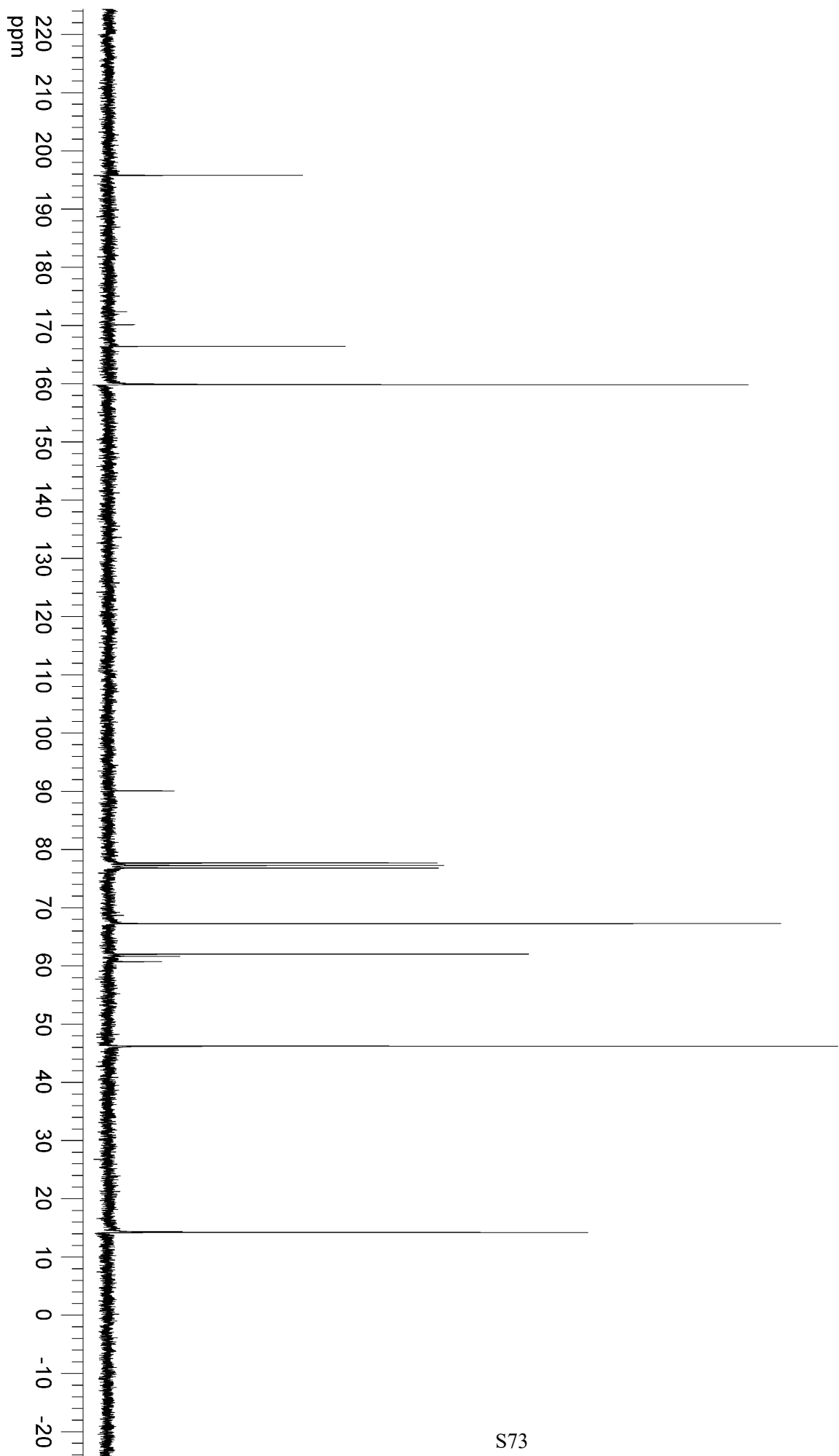
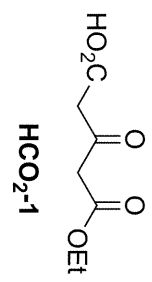


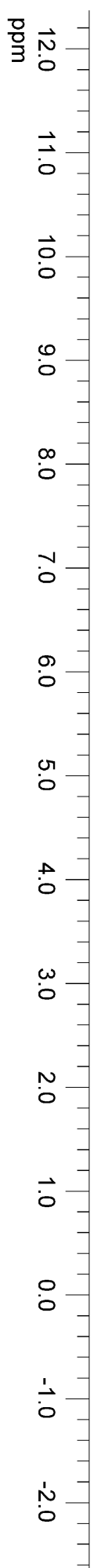
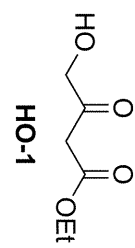


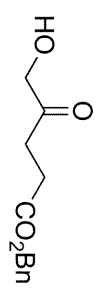




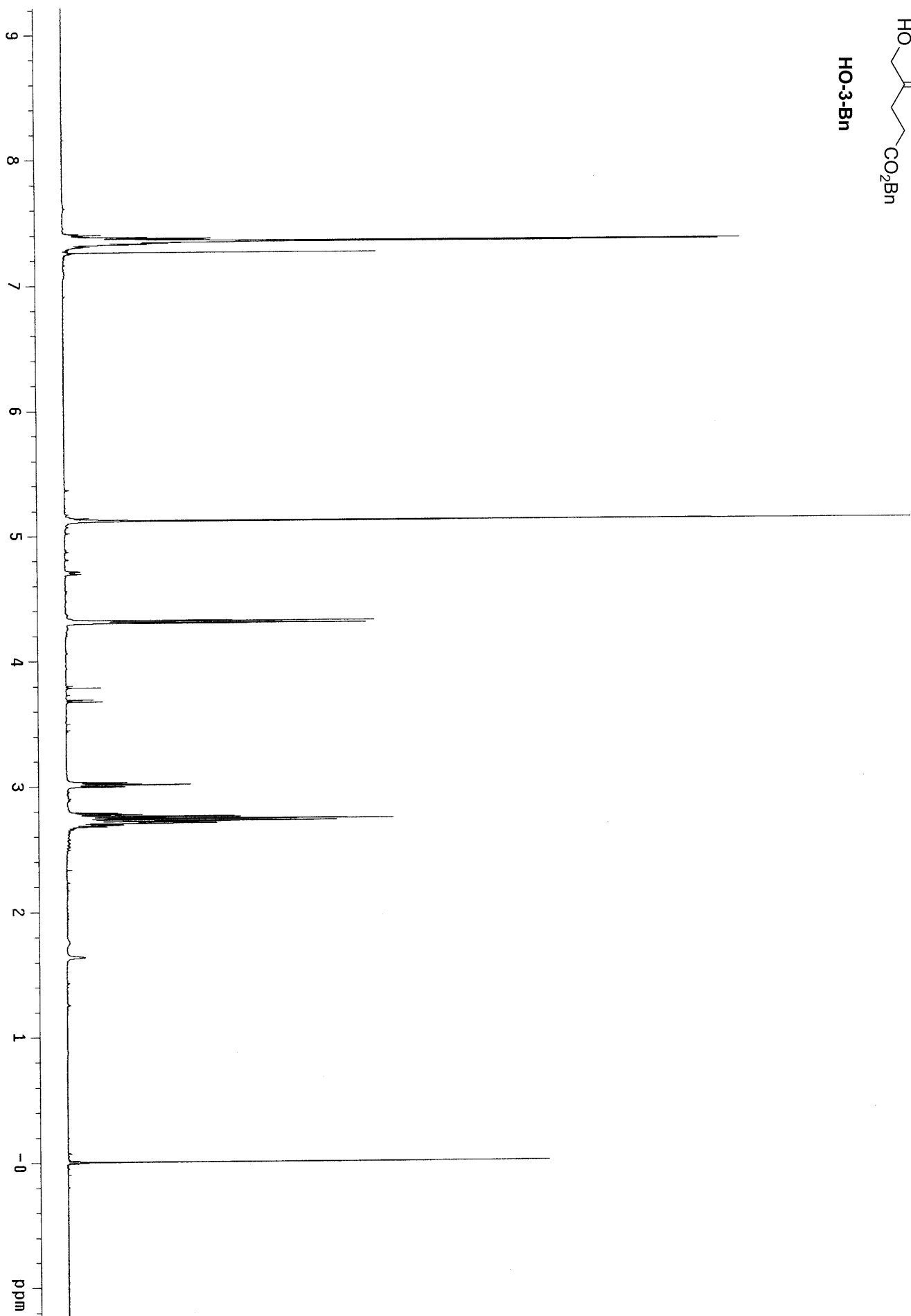


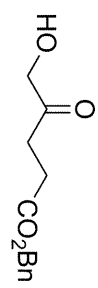




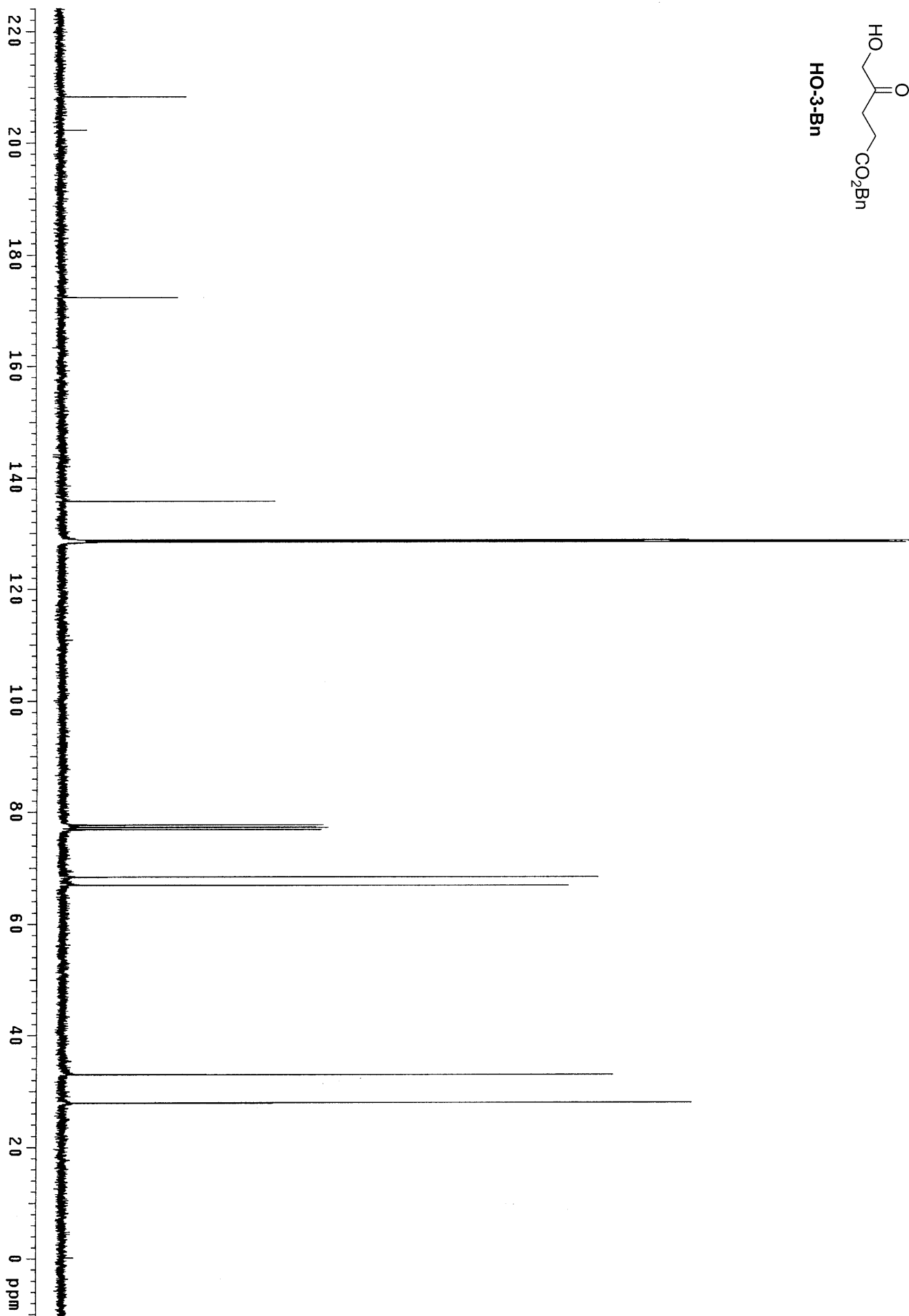


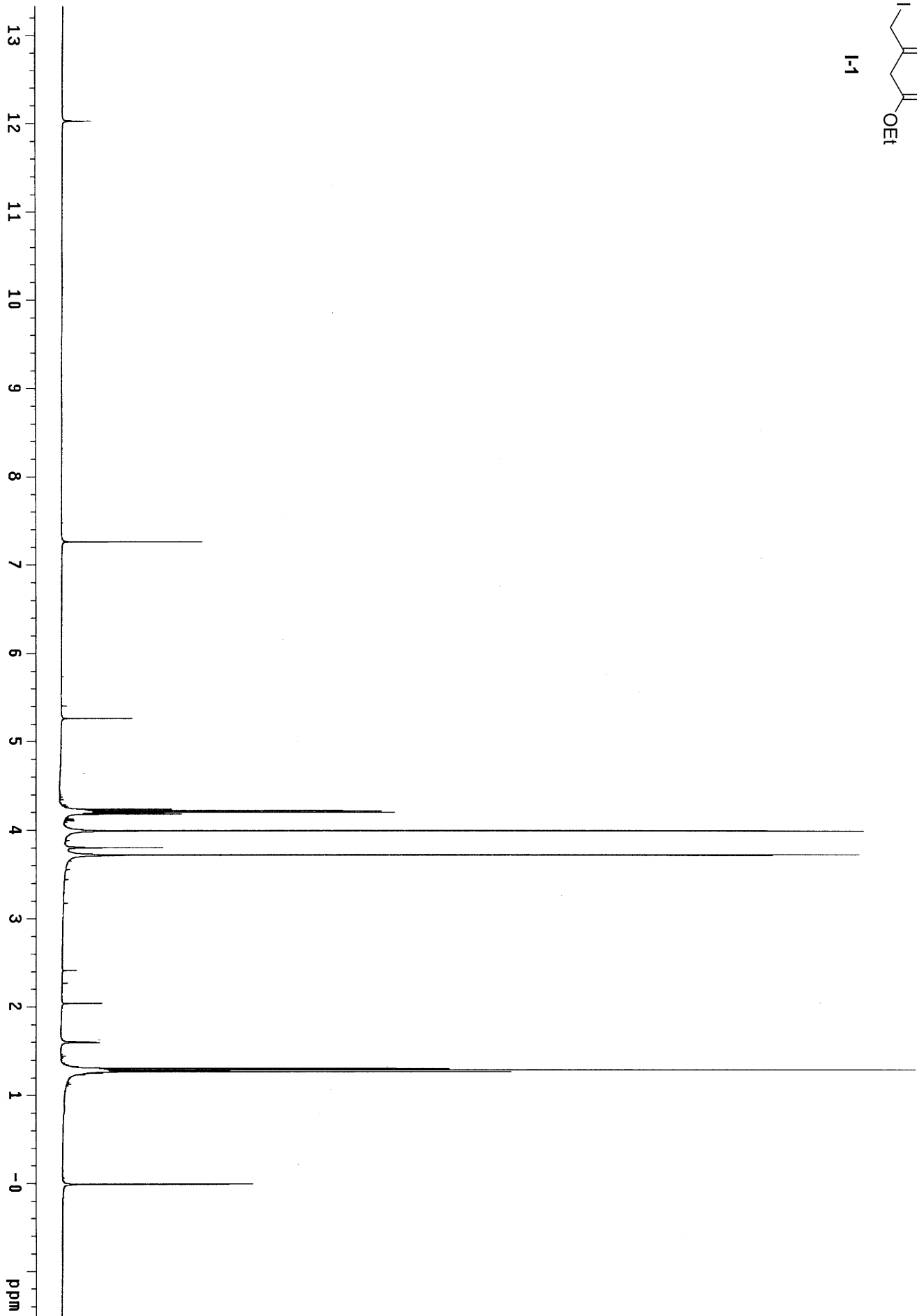
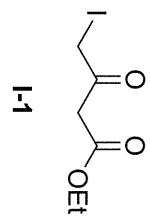
HO-3-Bn

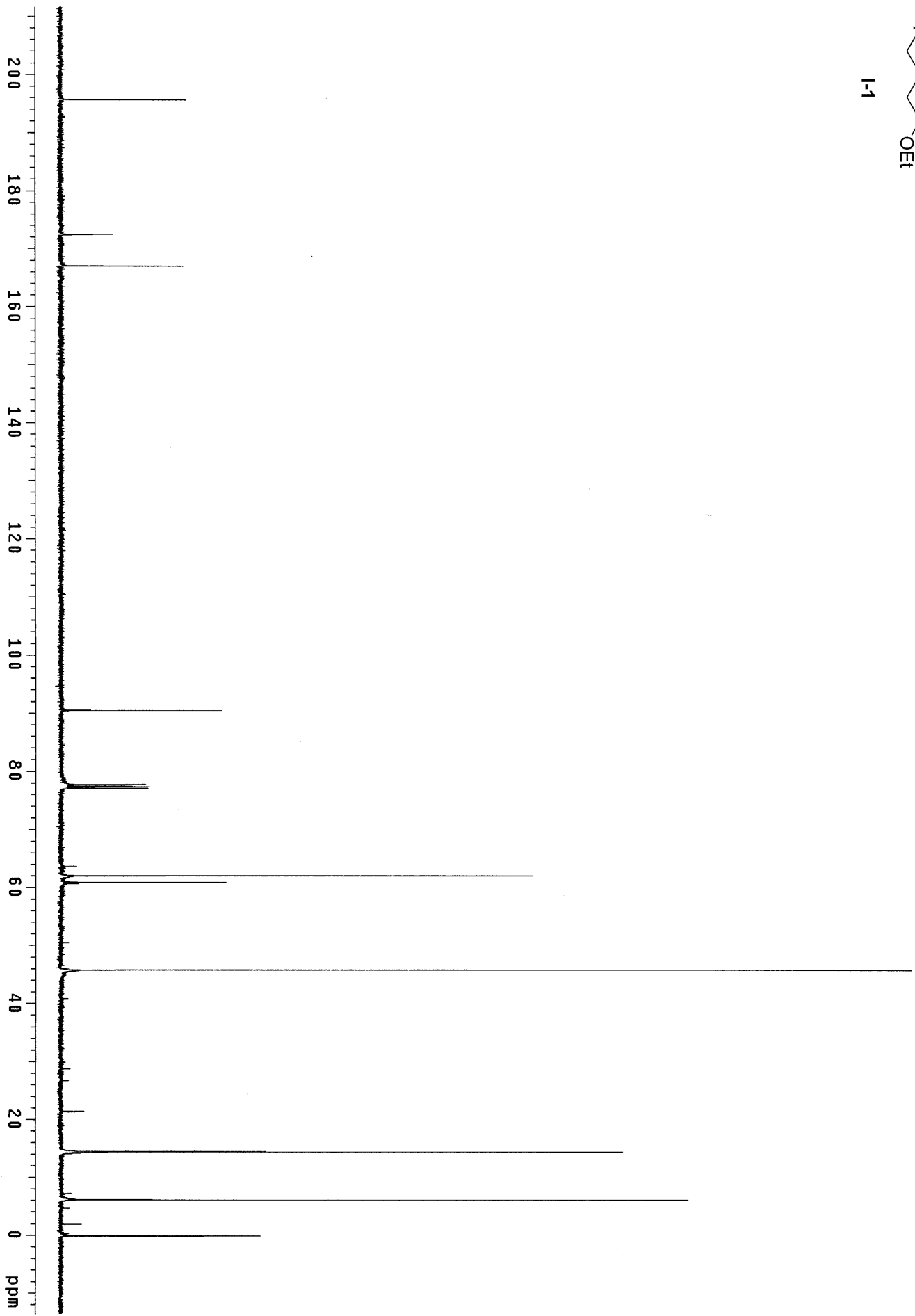
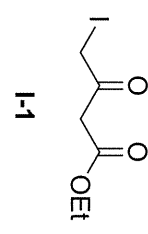


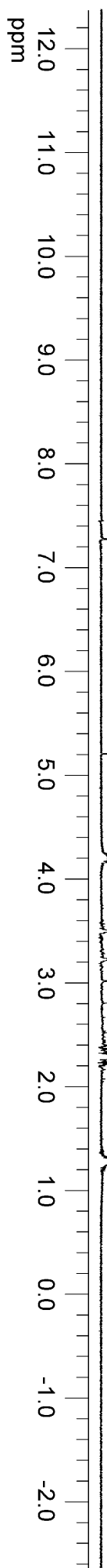
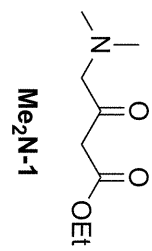


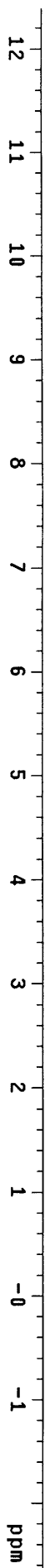
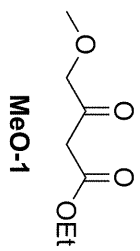
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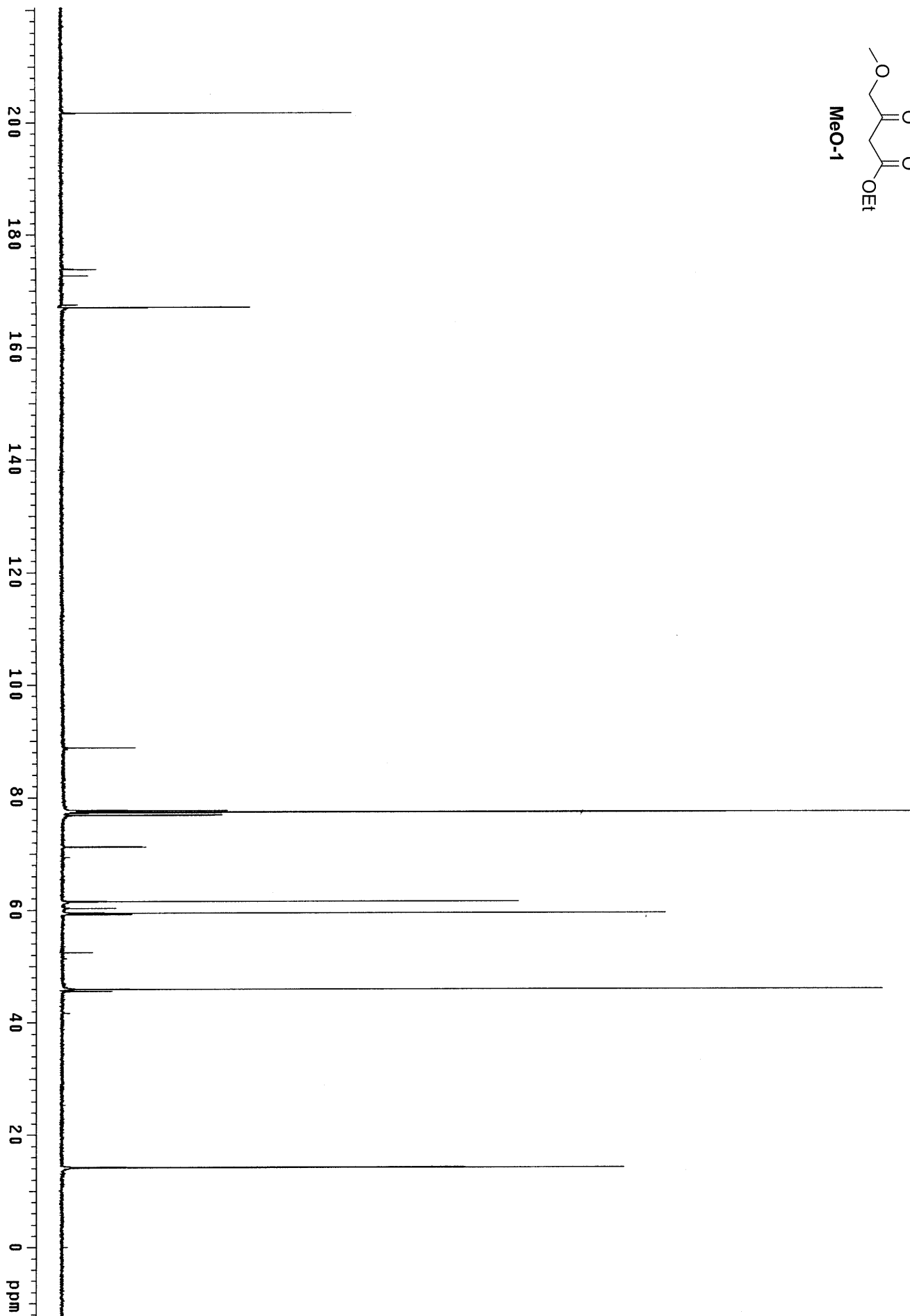
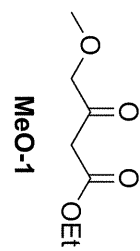


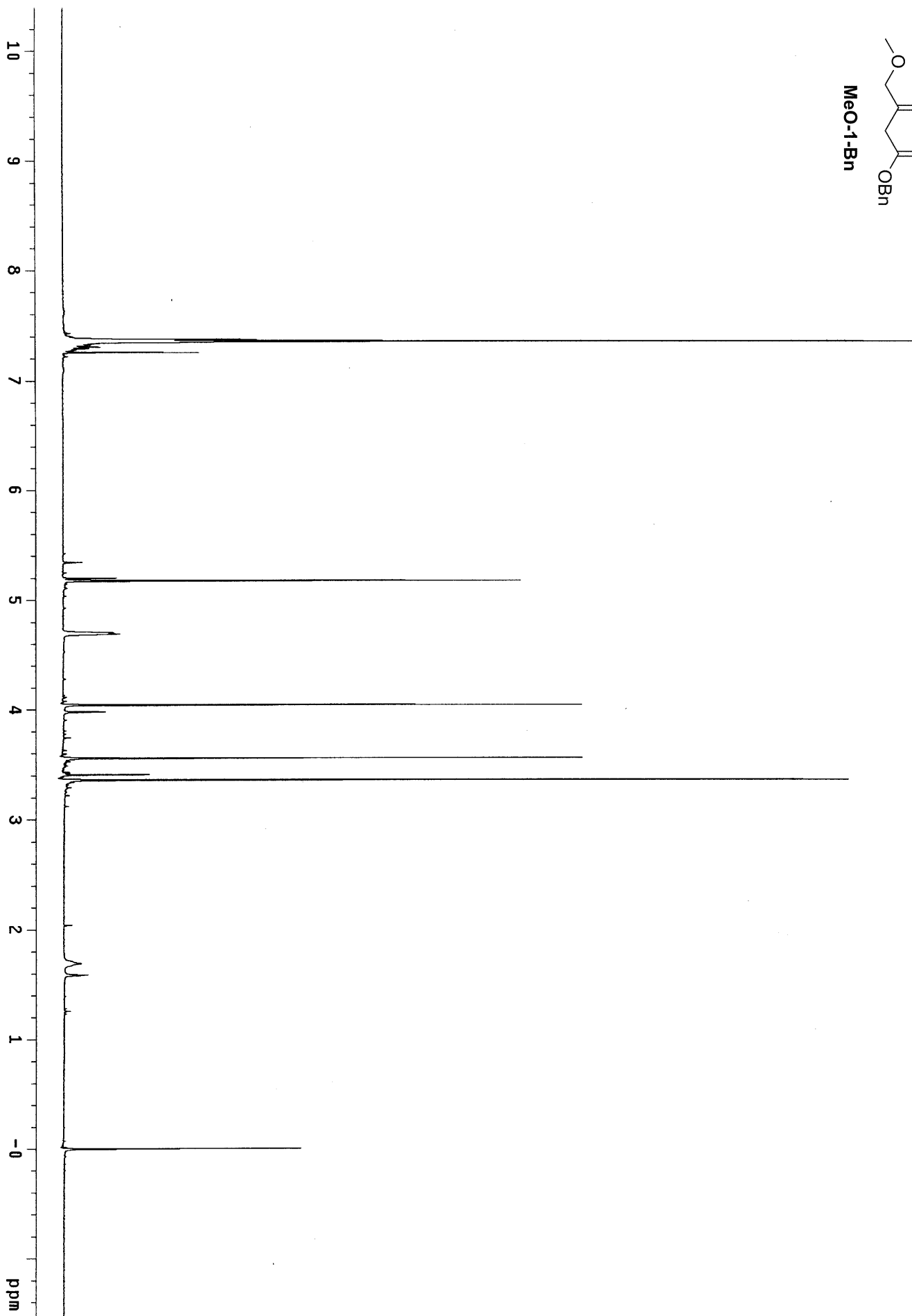
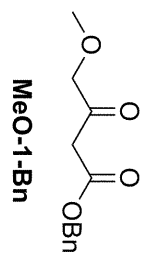


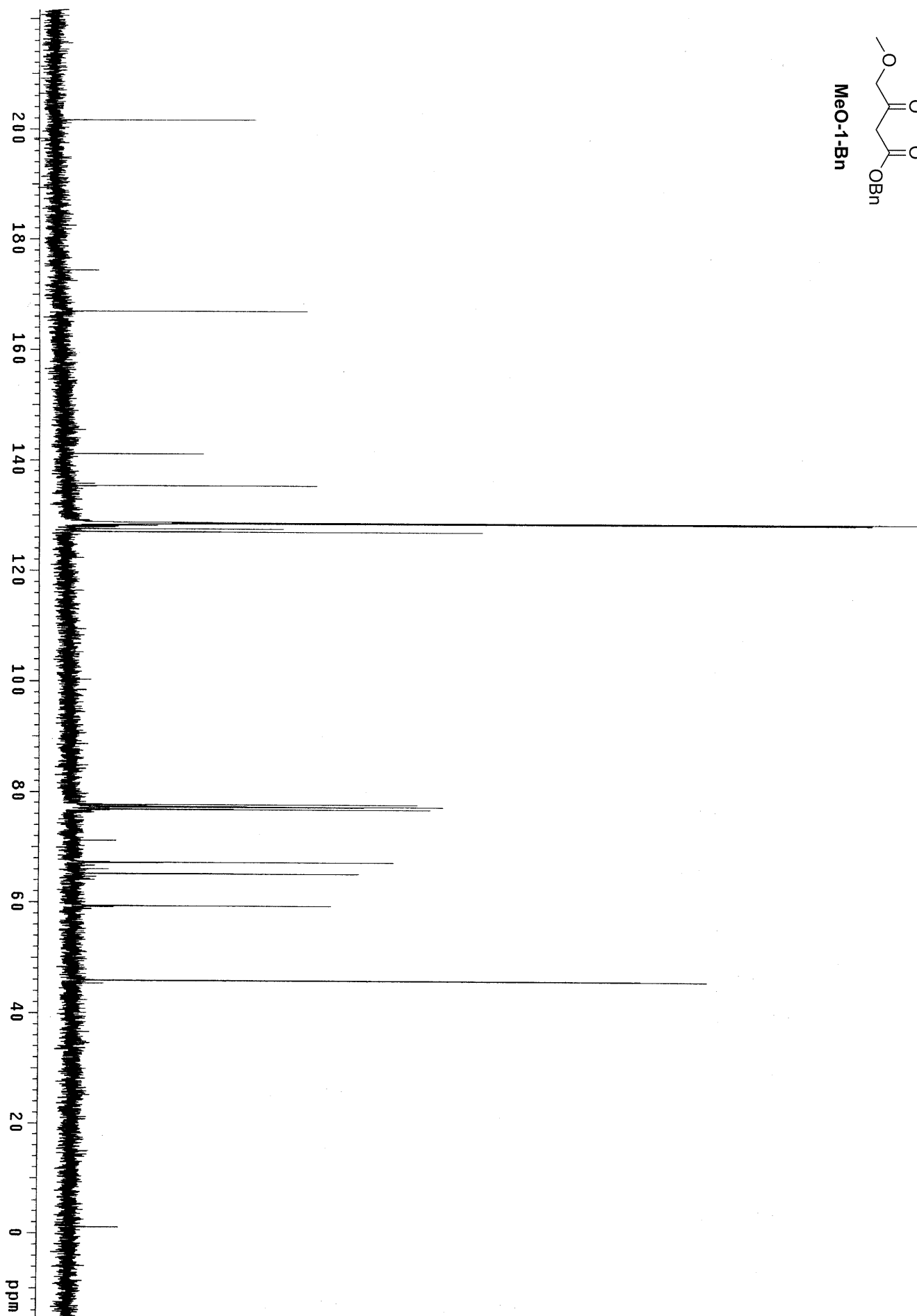
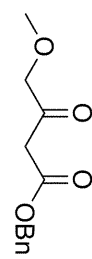


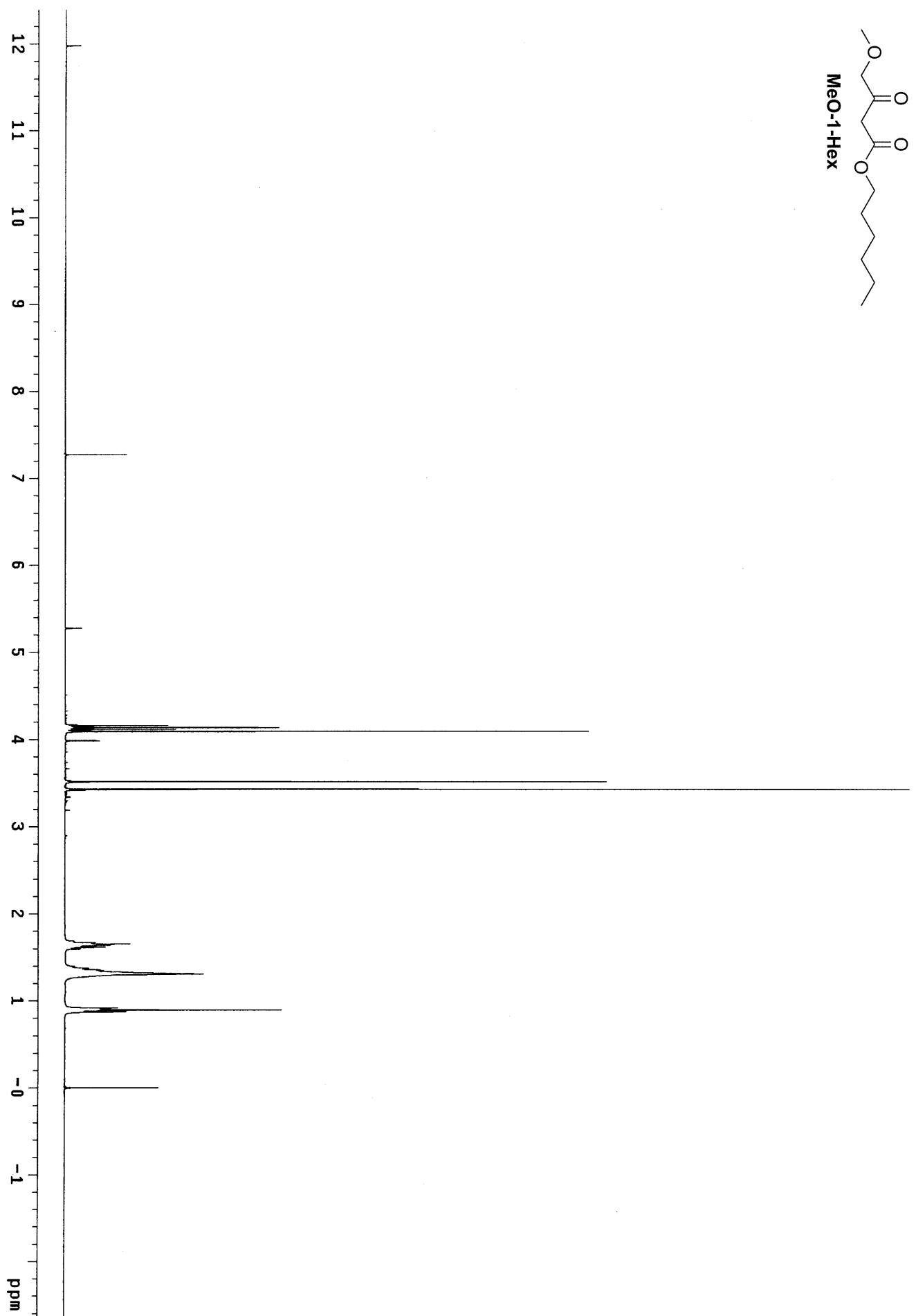
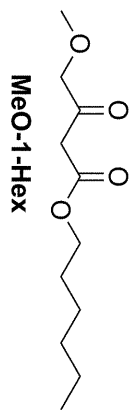


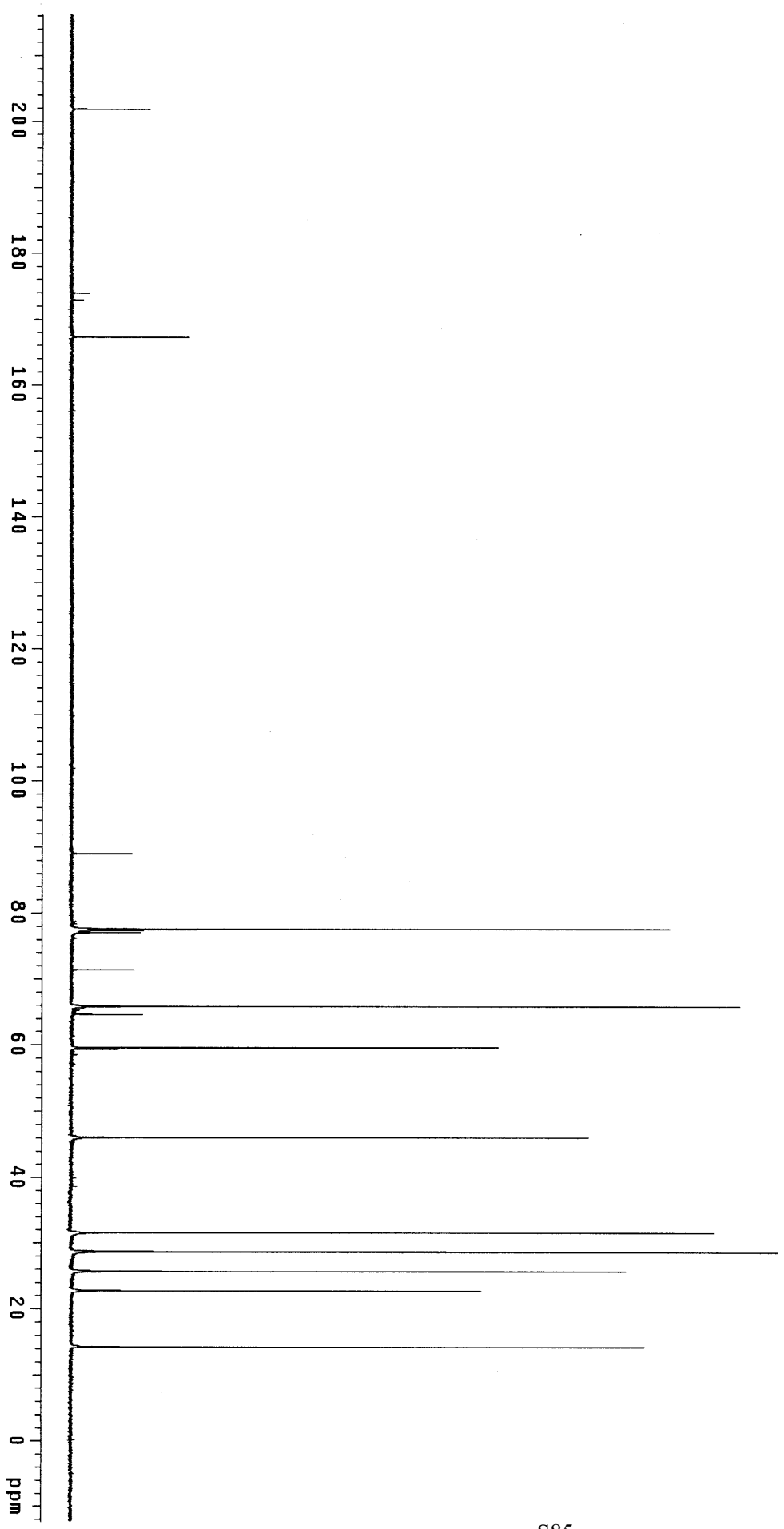
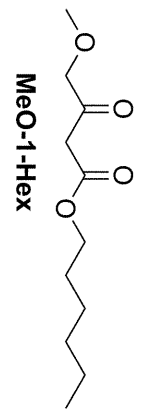


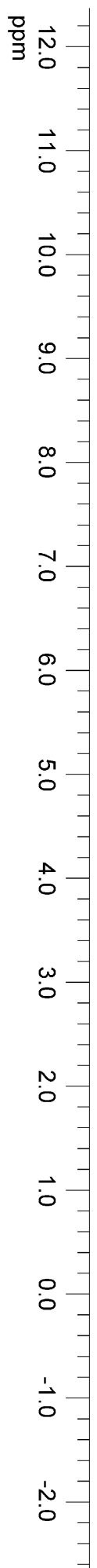
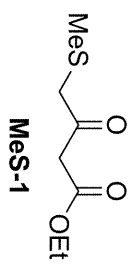


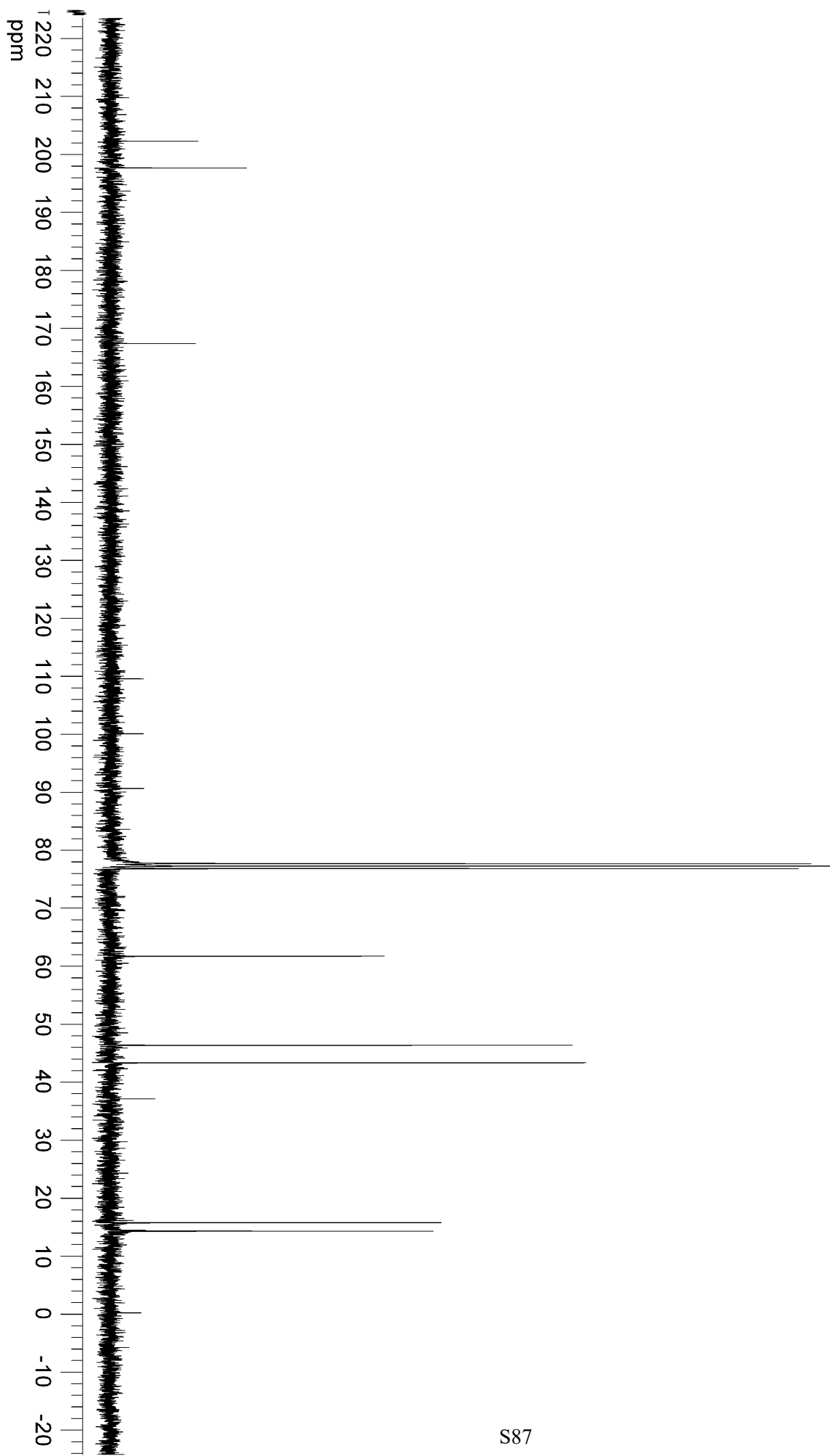
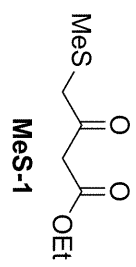


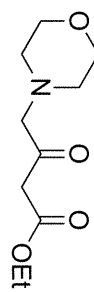




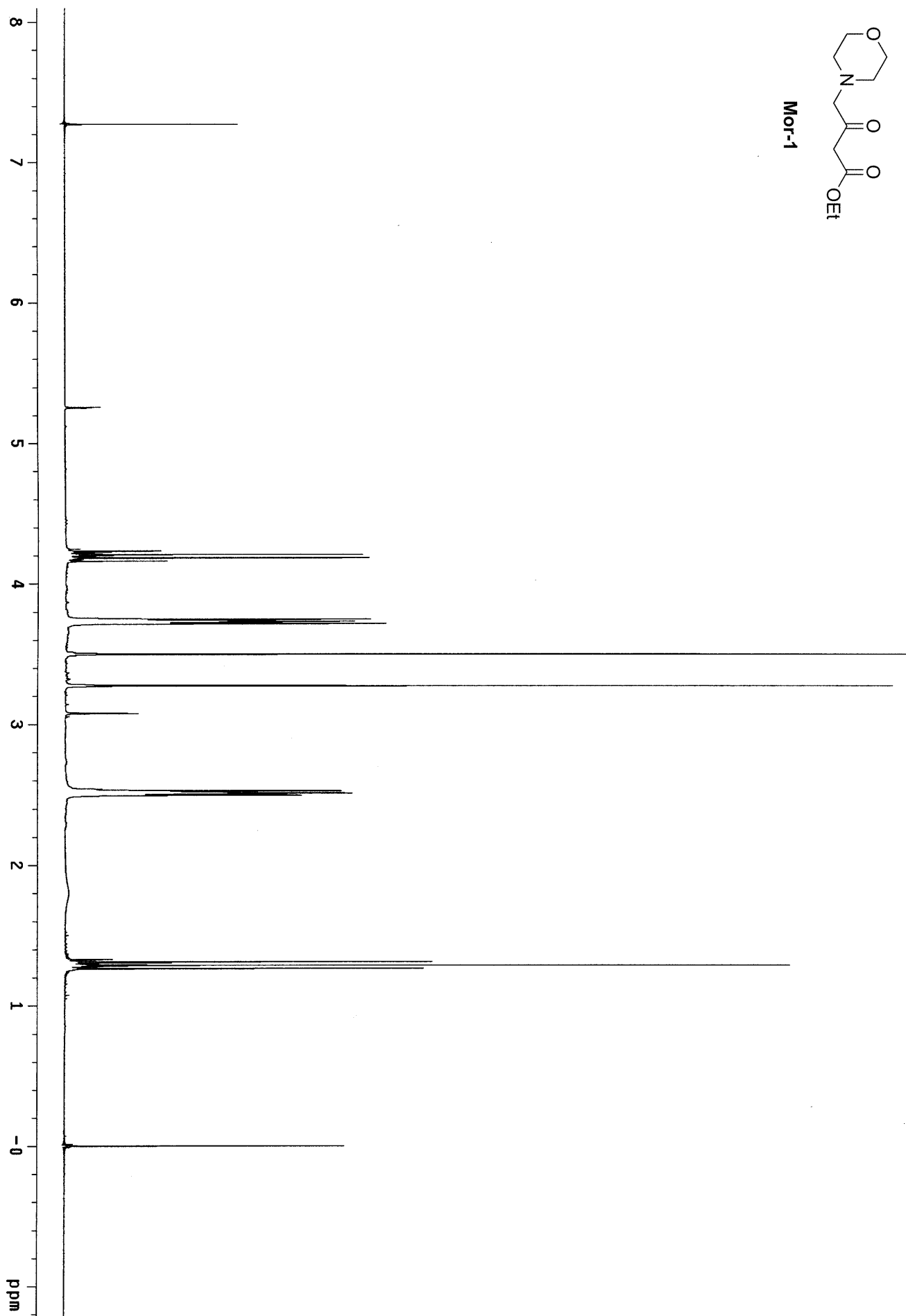




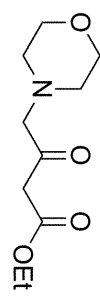




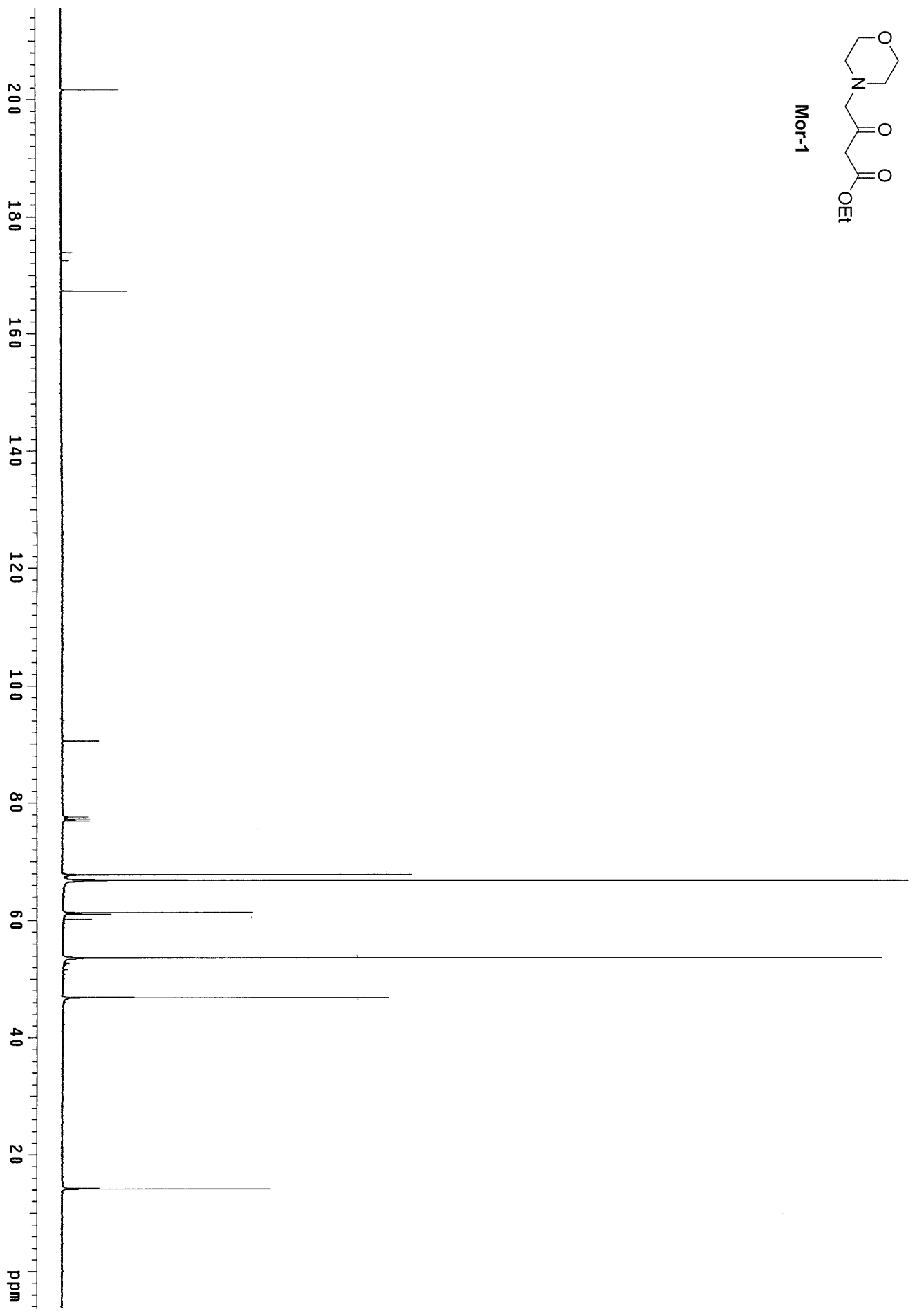
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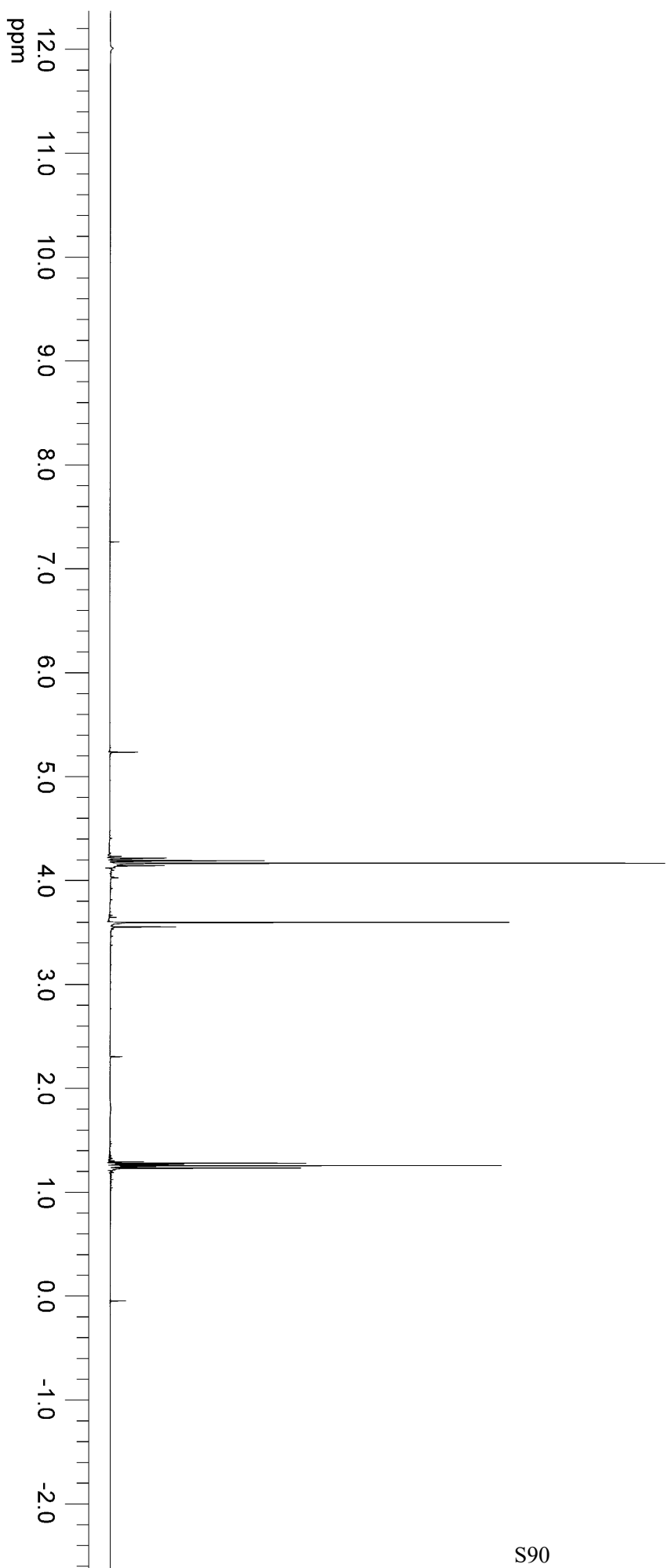
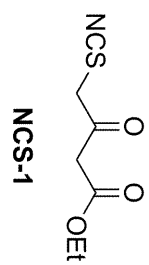


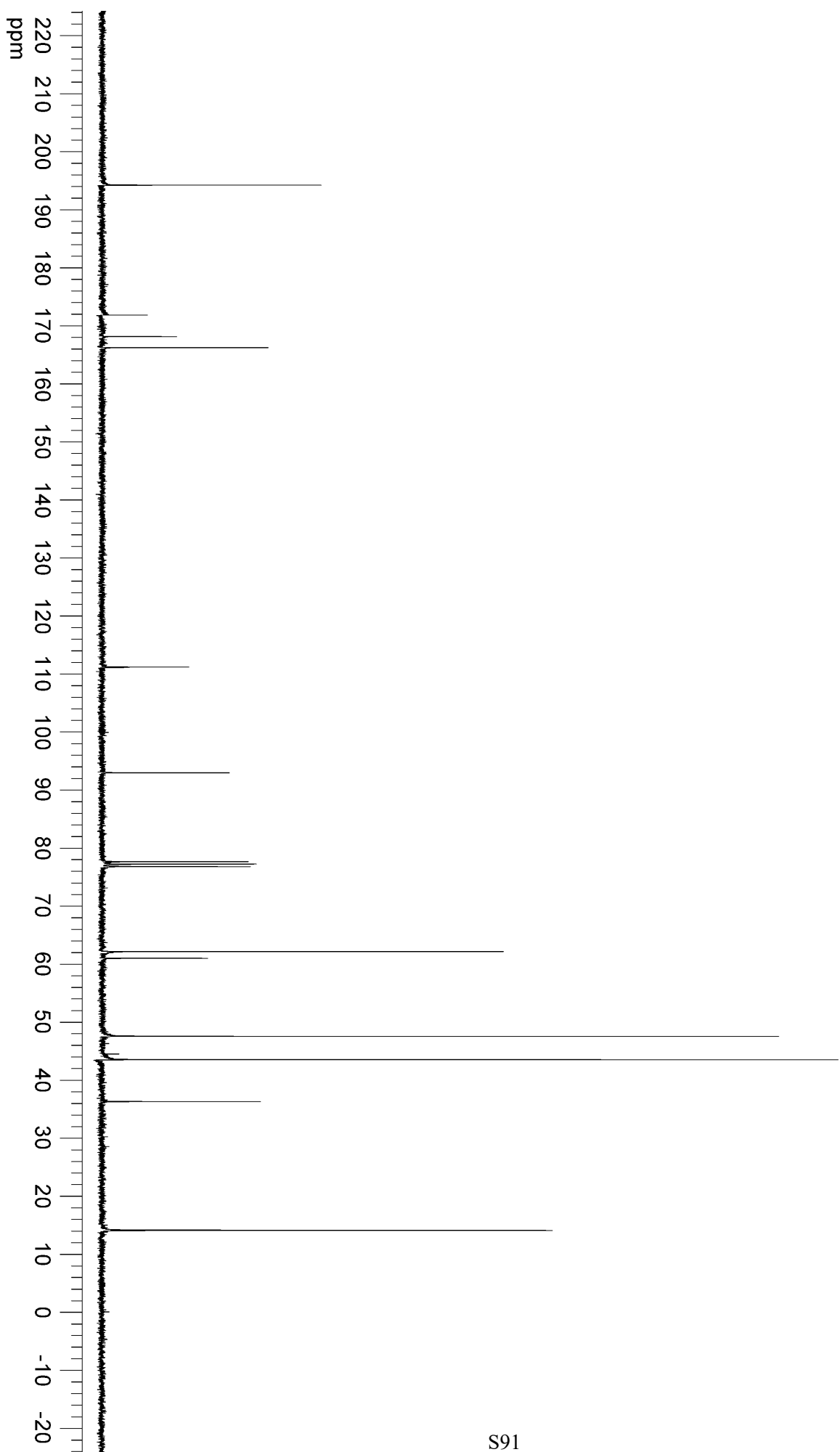
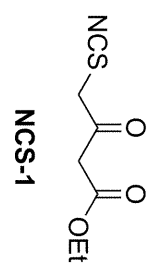


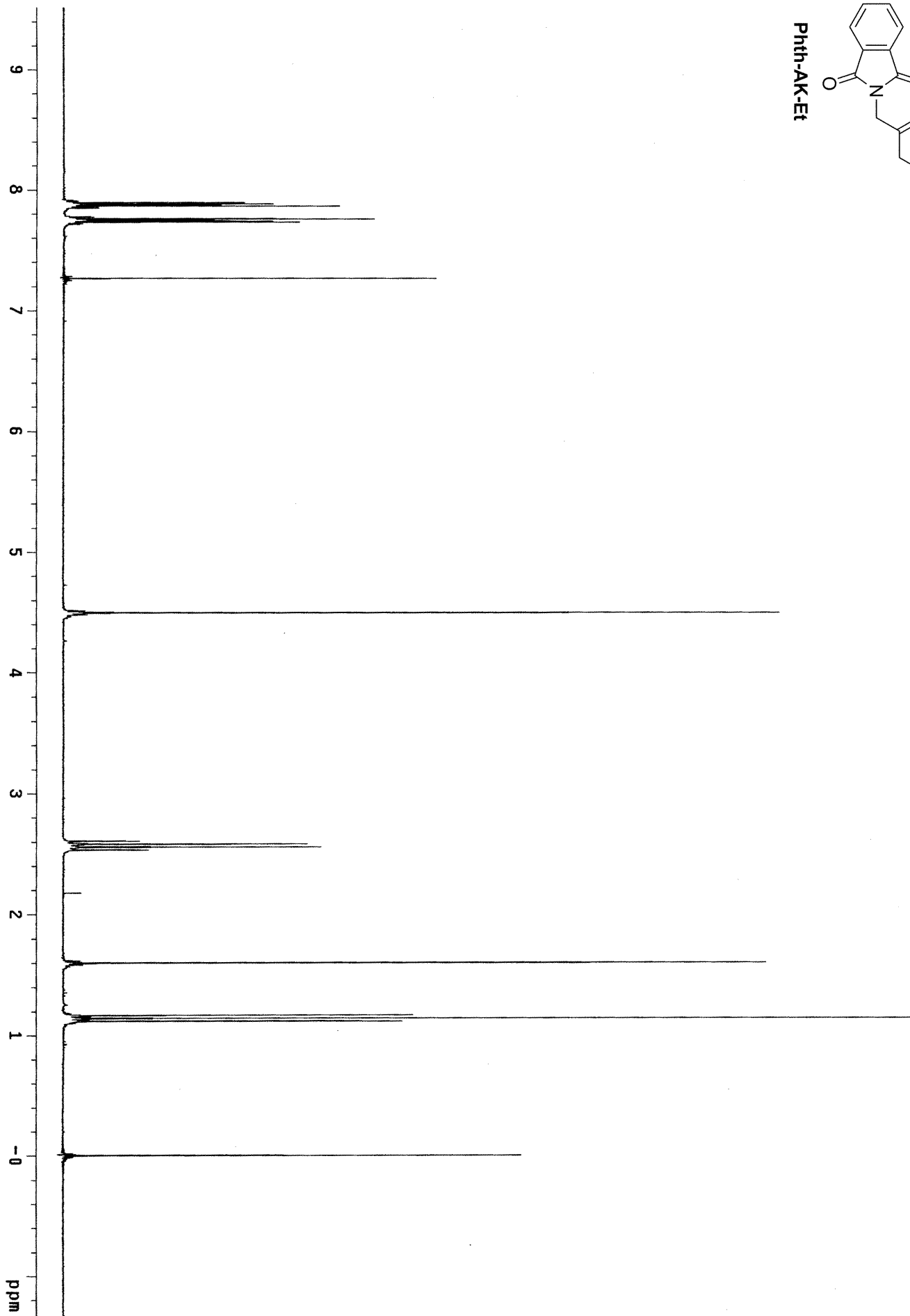
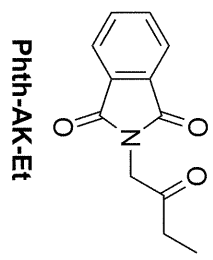


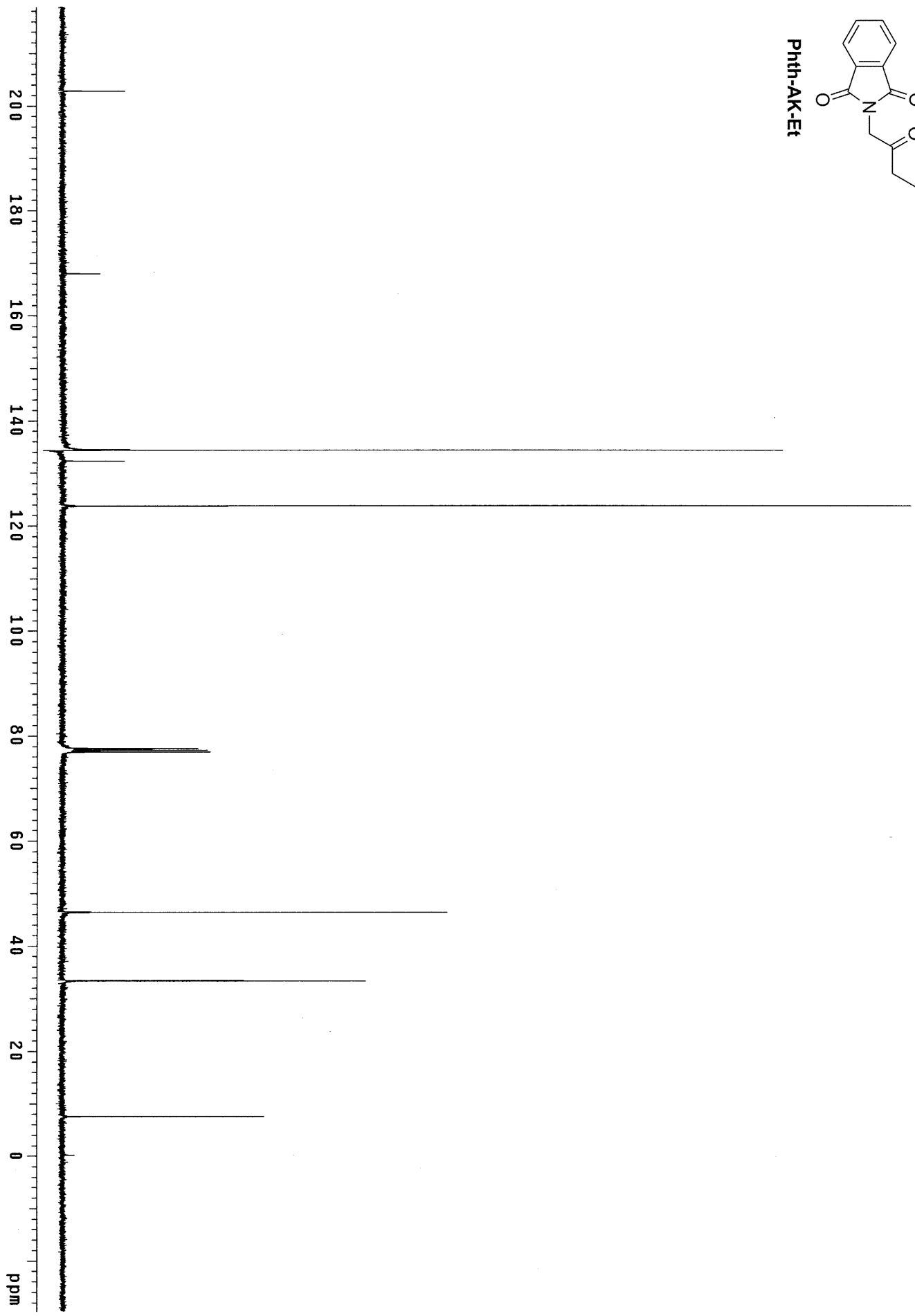
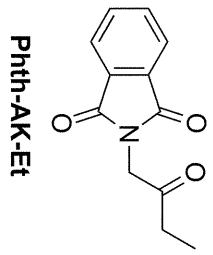
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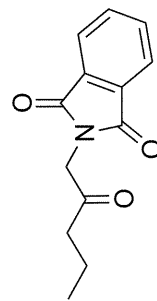




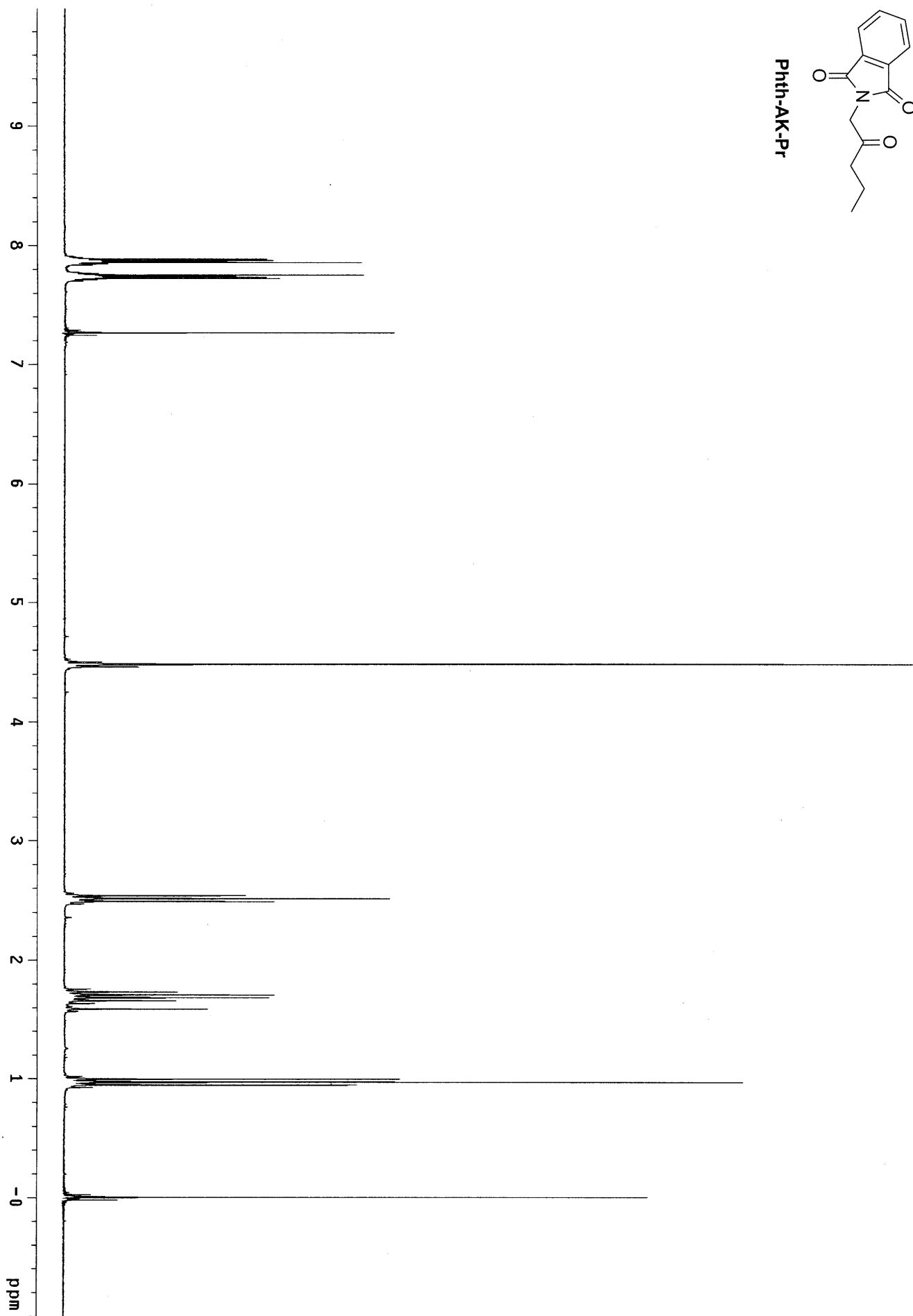


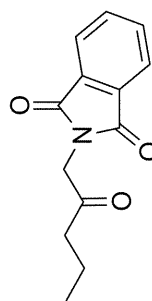




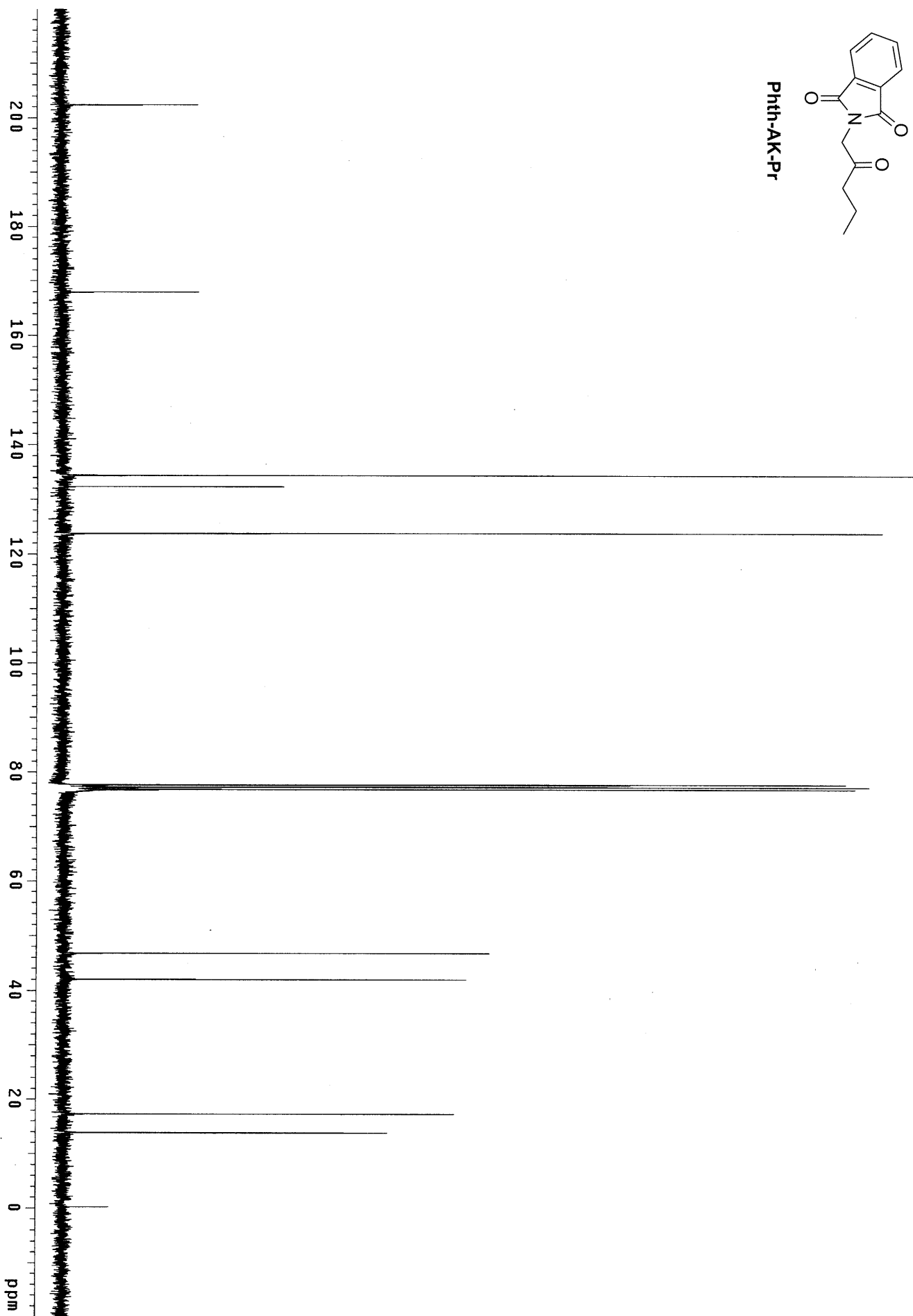


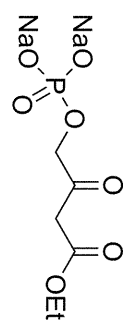
Phth-AK-Pr



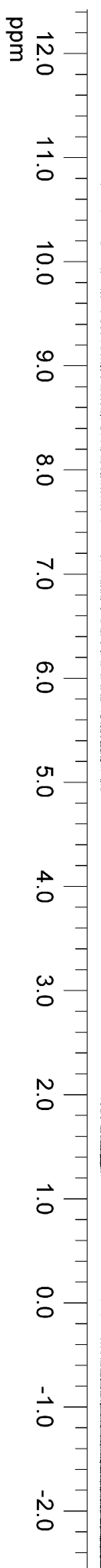


Phth-AK-Pr

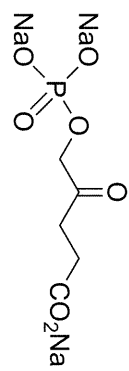




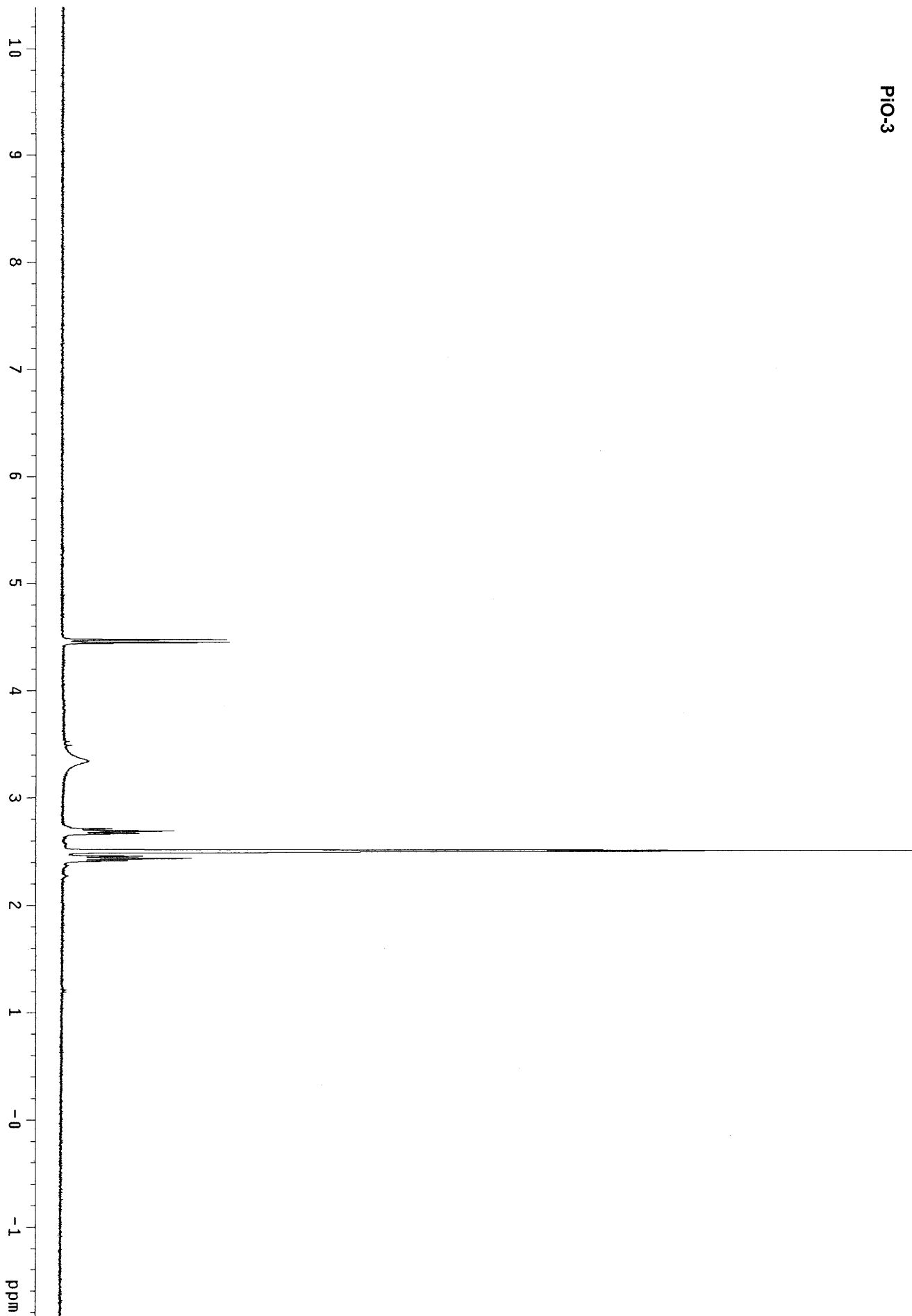
PIO-1

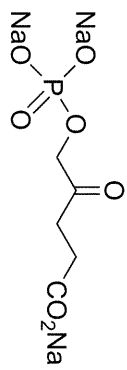






P10-3





PIO-3

