

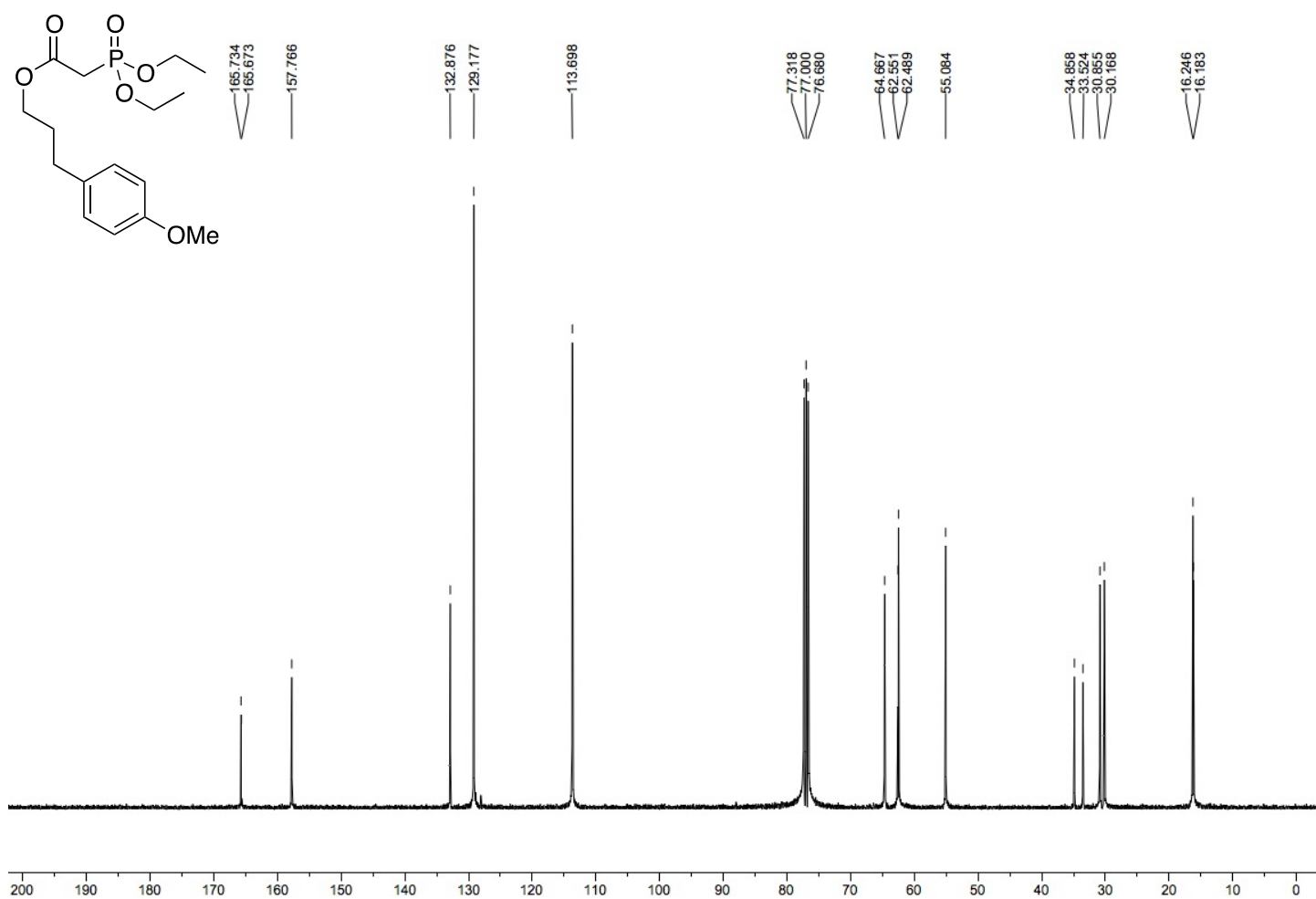
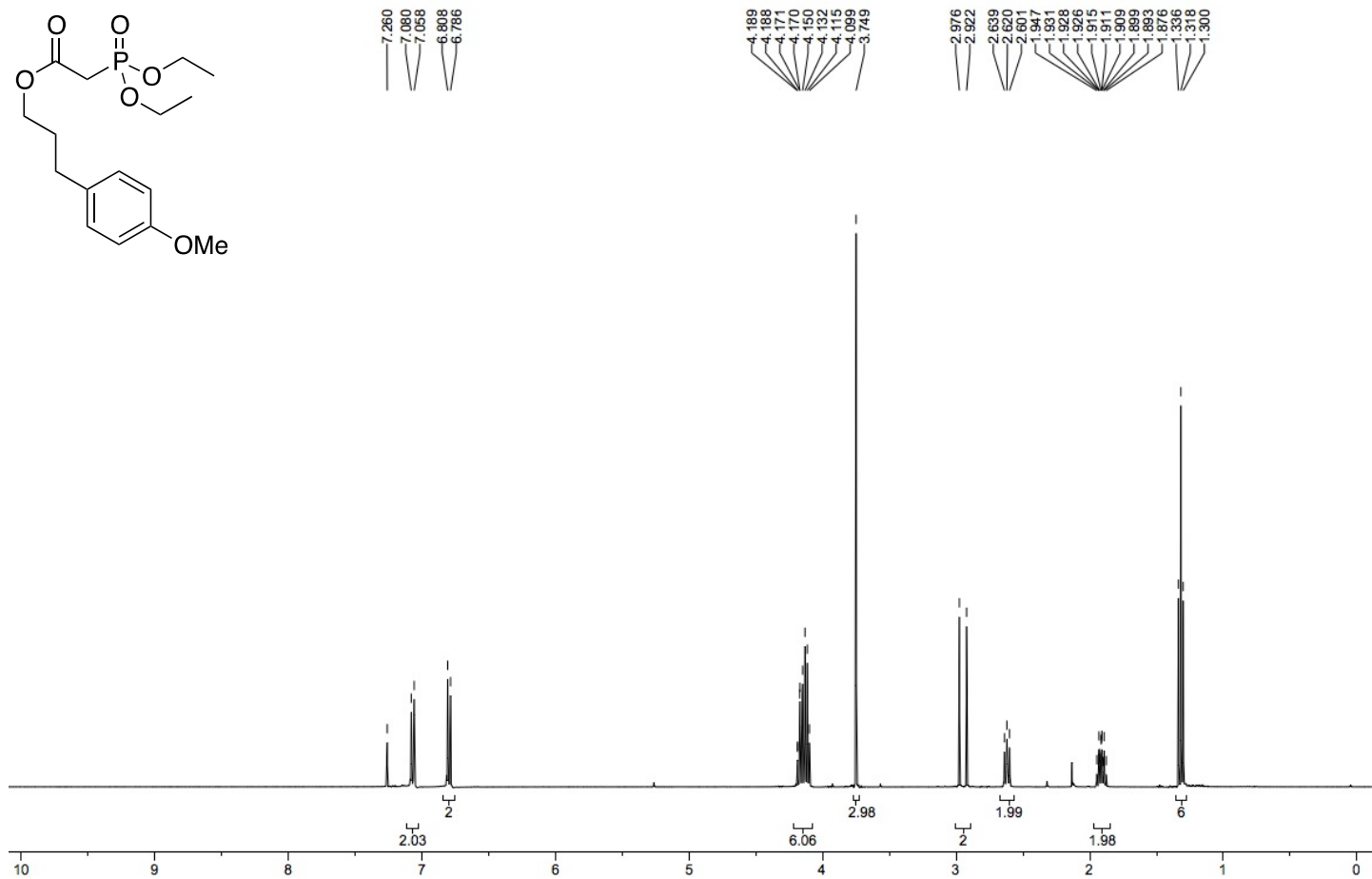
**Phosphorylated cyclopropanes in the
synthesis of α -alkylidene- γ -butyrolactones:
total synthesis of ($\pm$)-savinin, ($\pm$)-gadain and ($\pm$)-peperomin E**

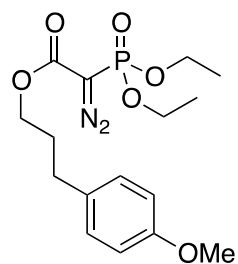
Matthew G. Lloyd, Richard J. K. Taylor* and William P. Unsworth*

Department of Chemistry, University of York, Heslington, York YO10 5DD, U.K.

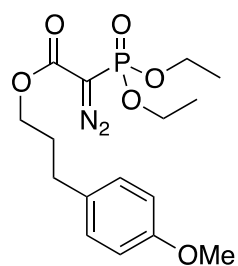
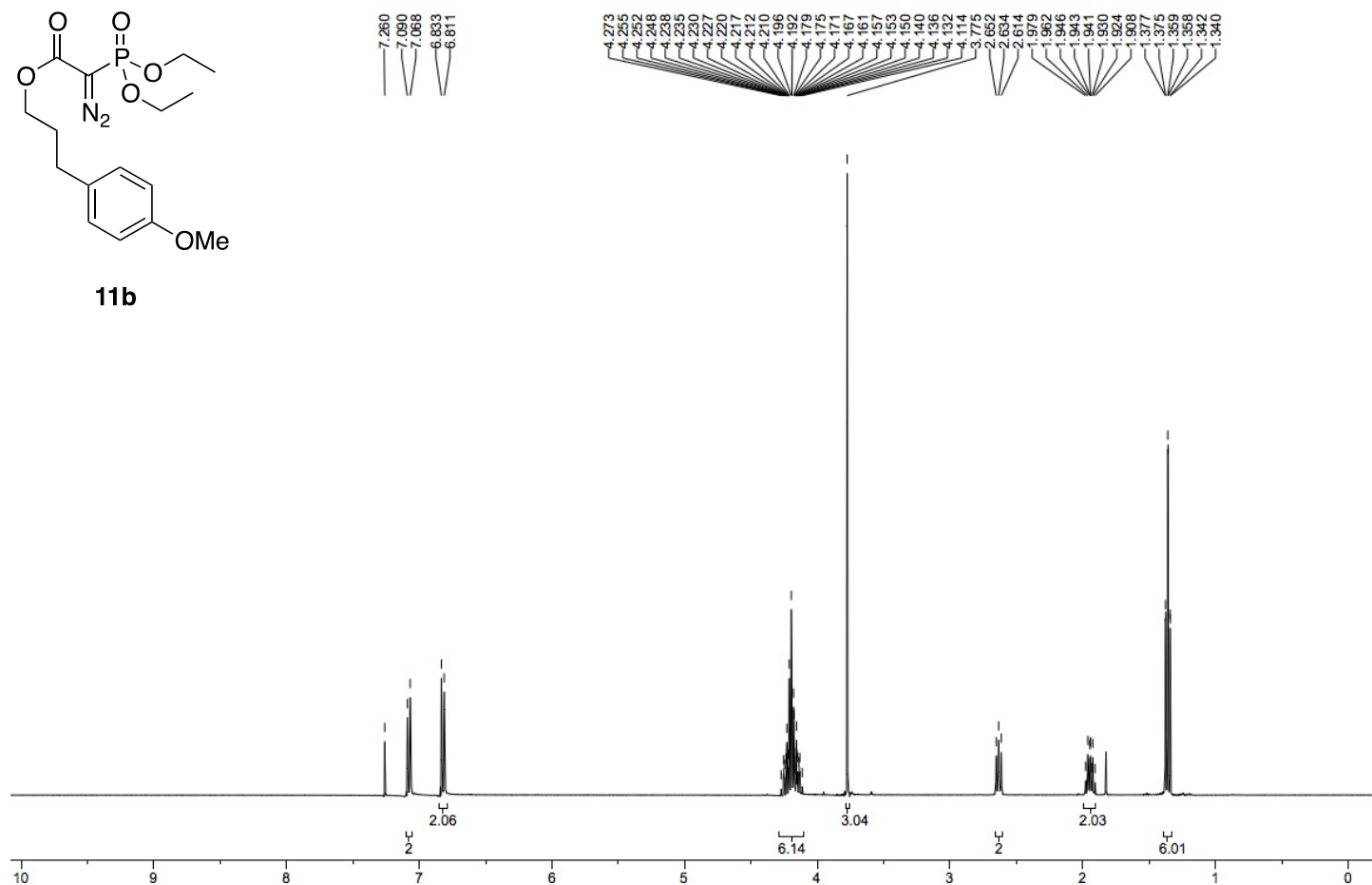
richard.taylor@york.ac.uk, william.unsworth@york.ac.uk

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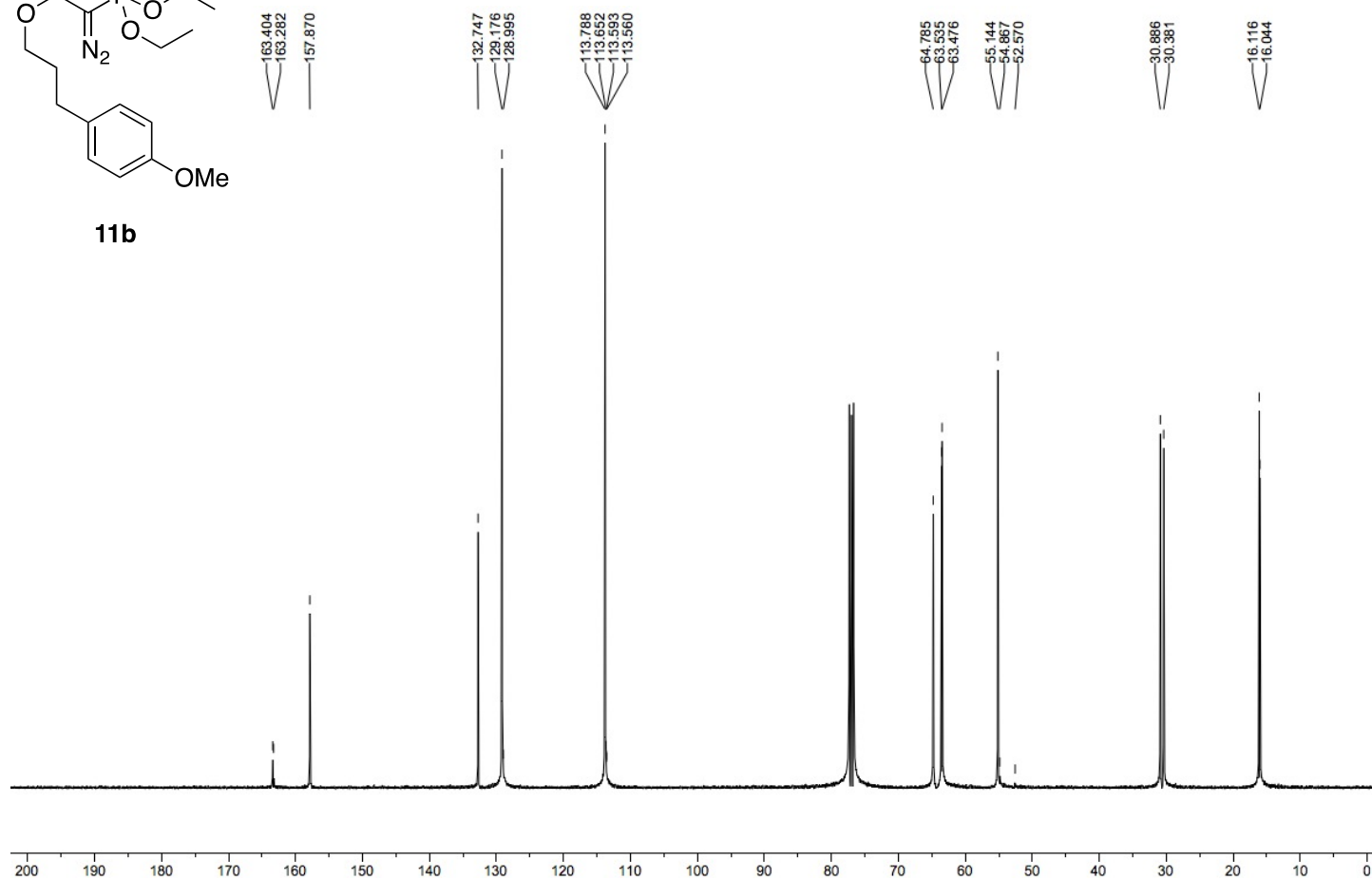


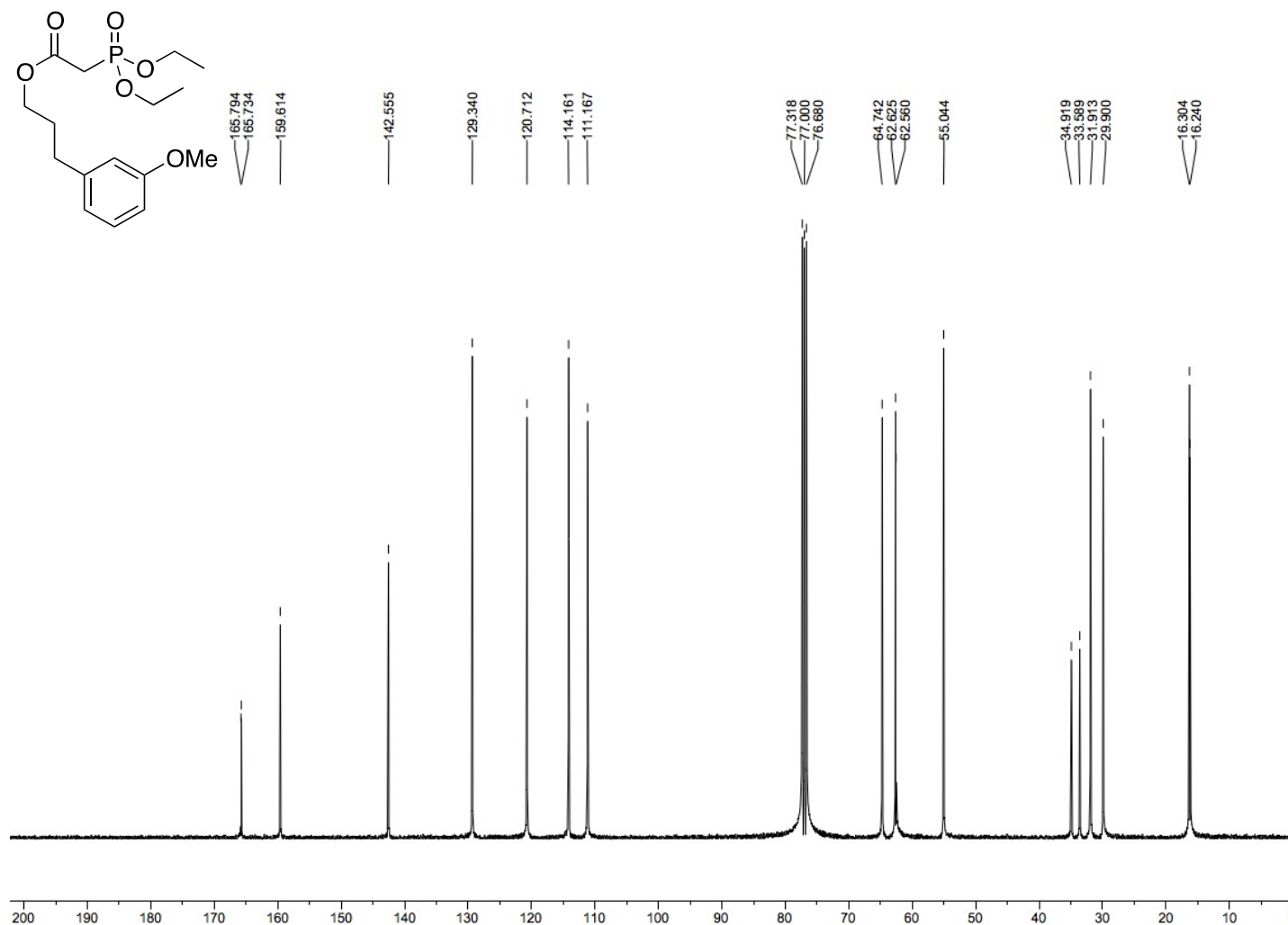
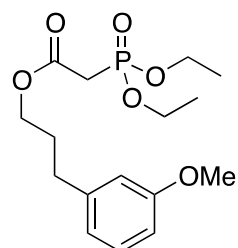
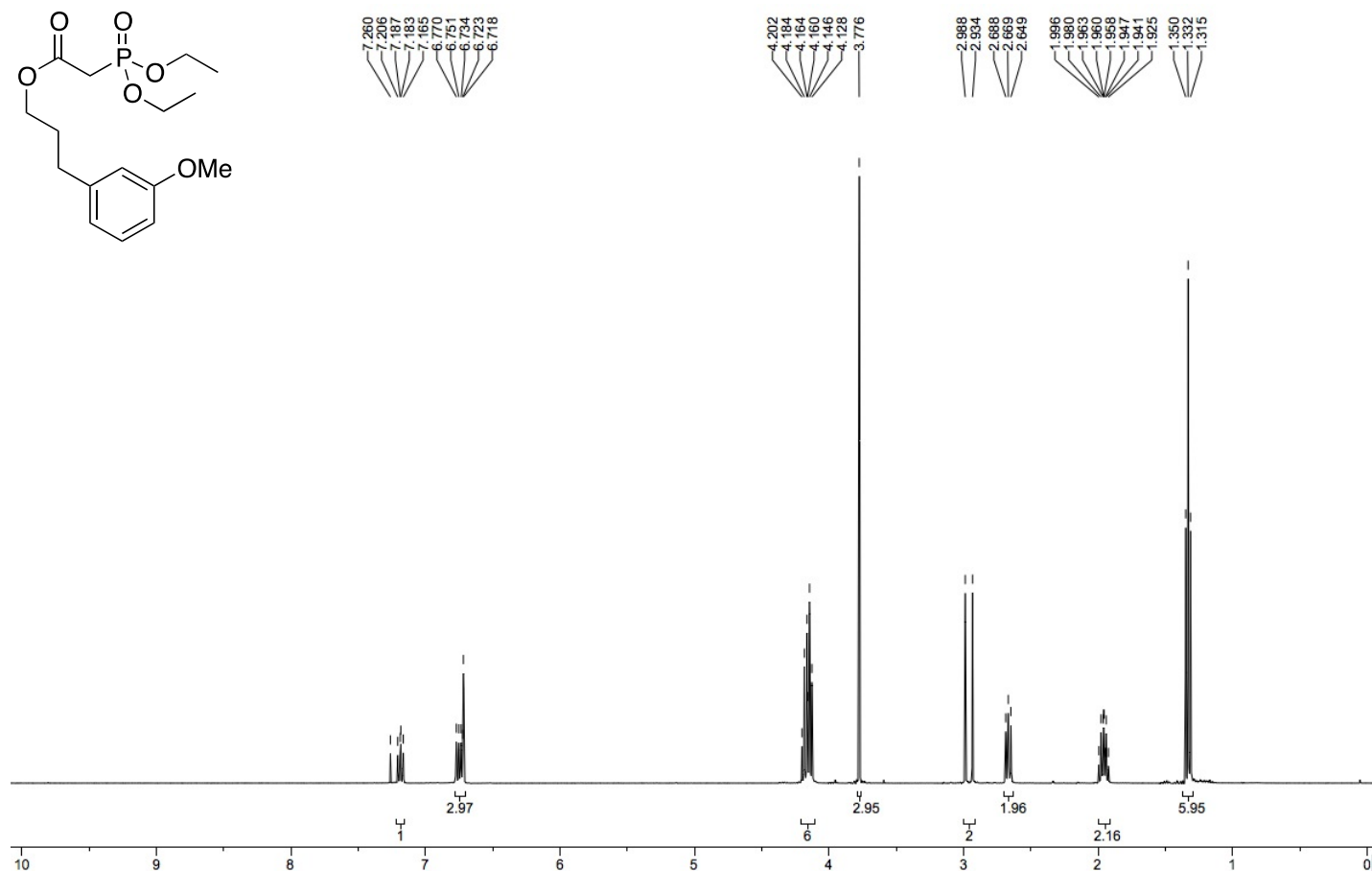
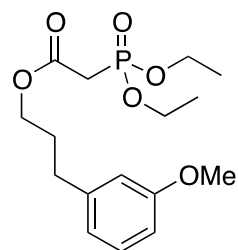


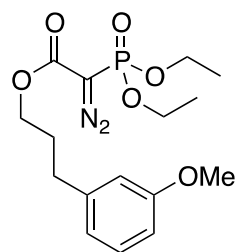
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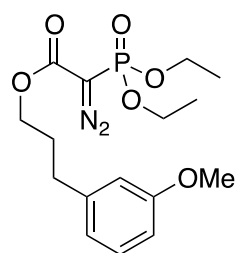
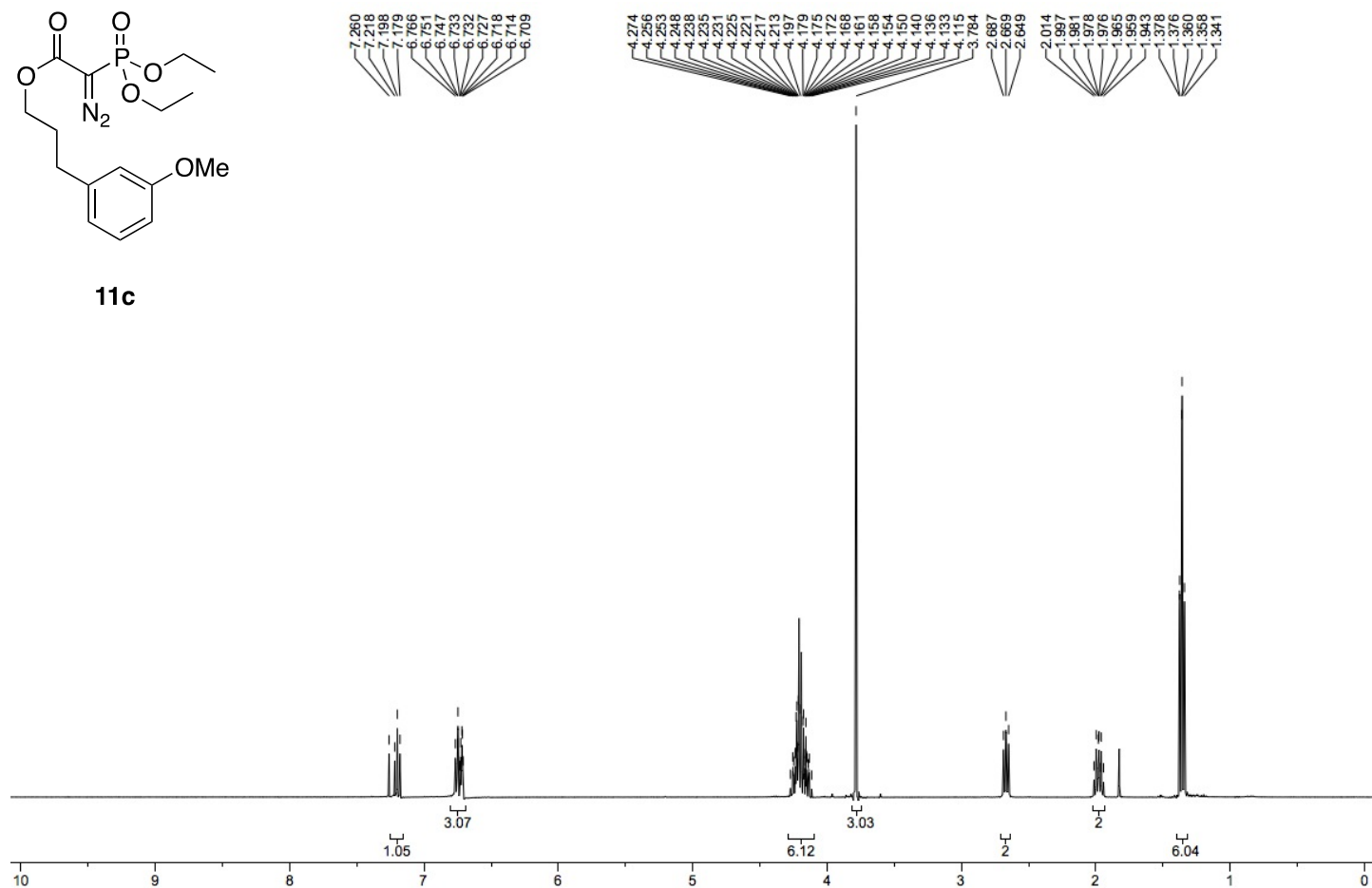
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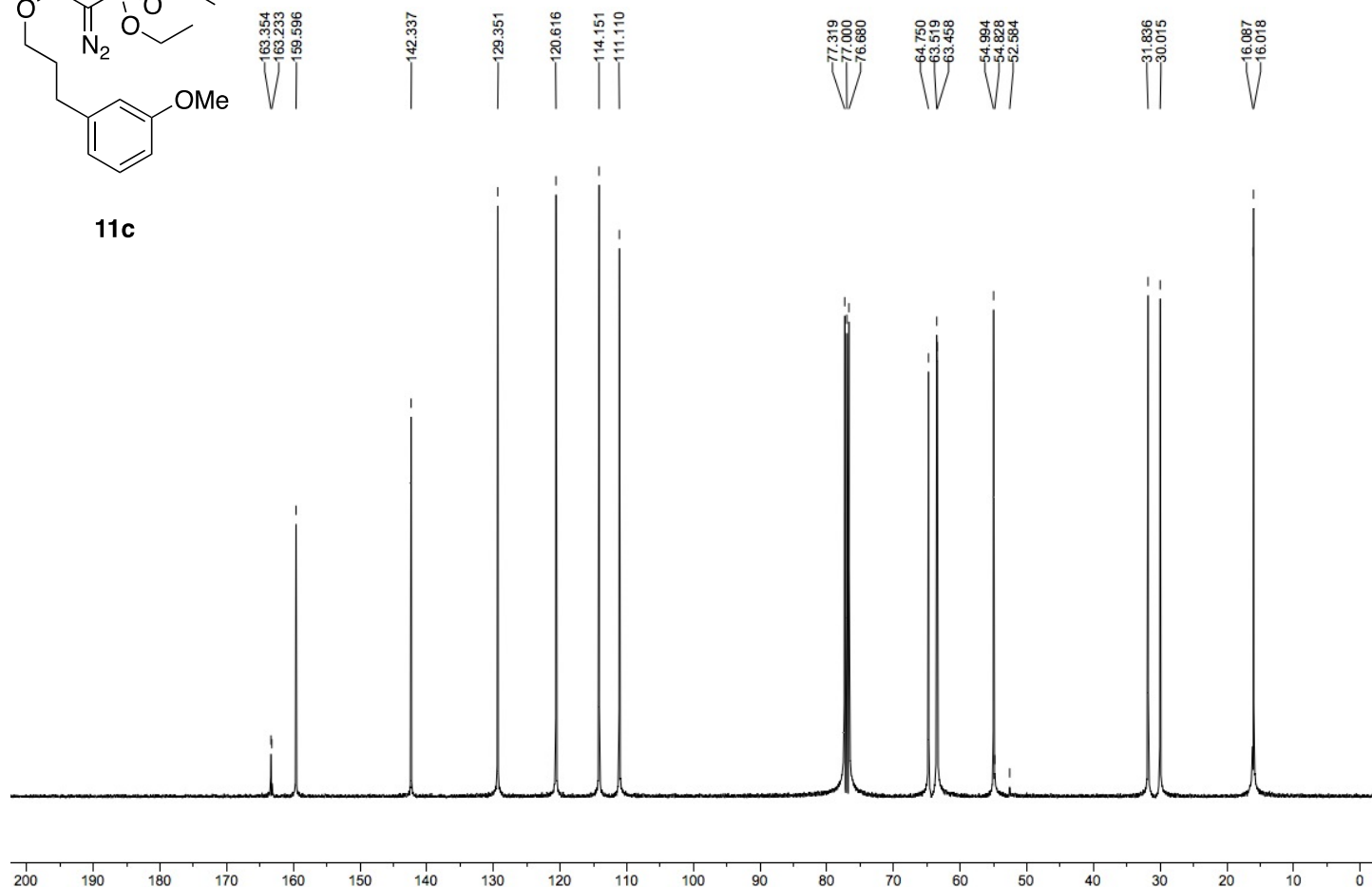


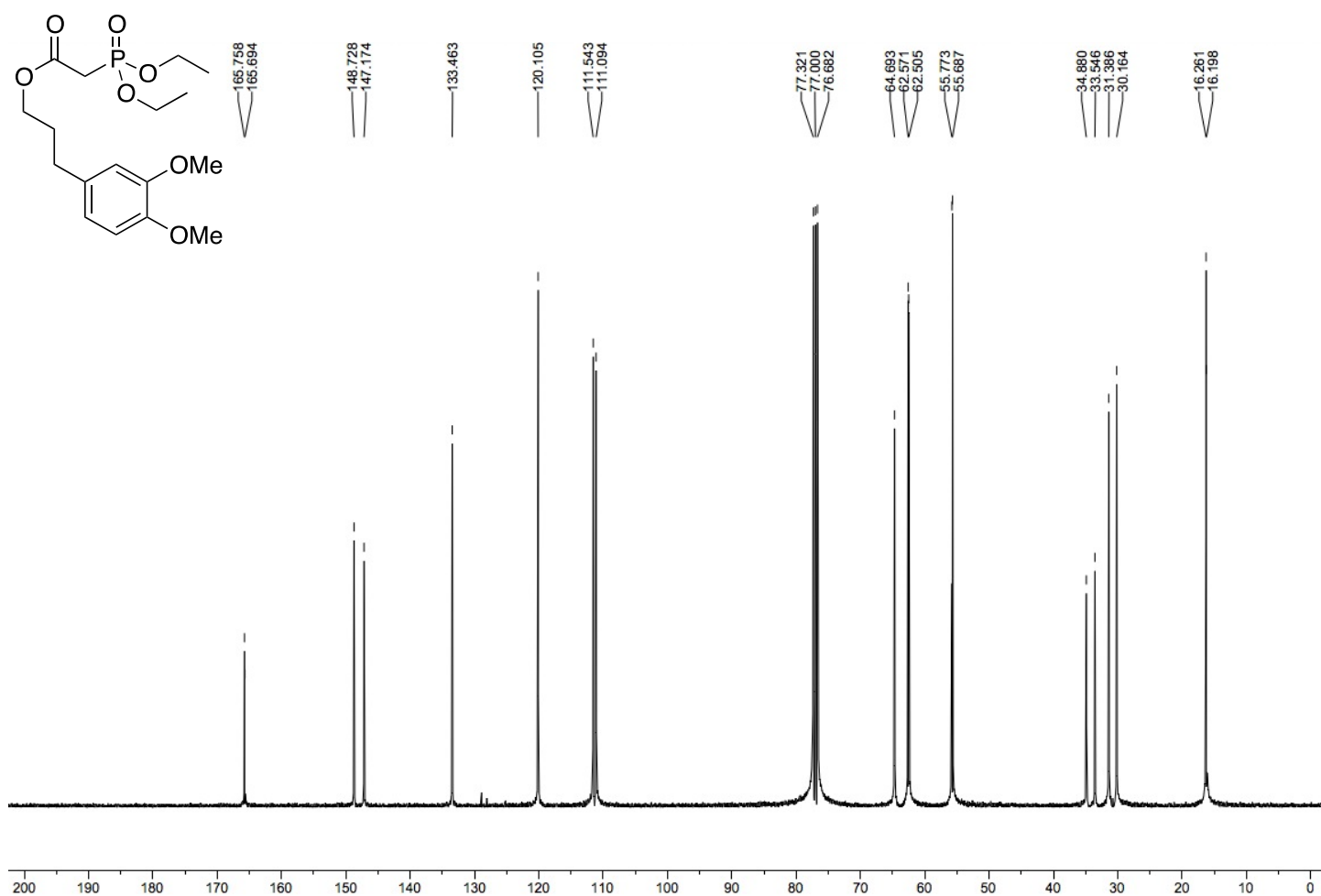
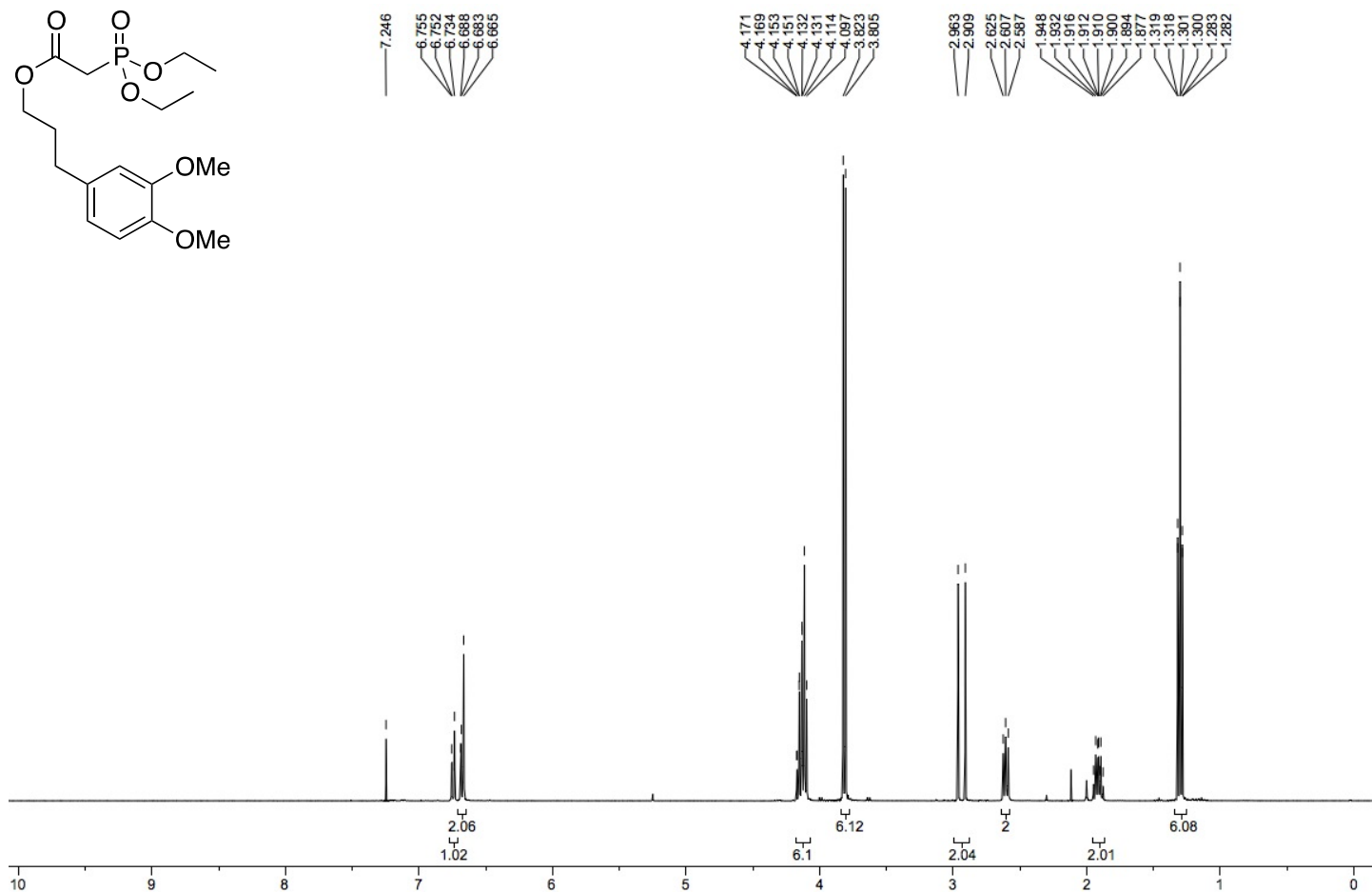


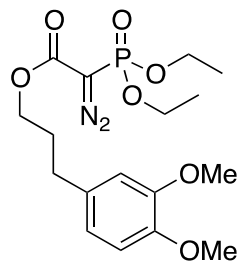
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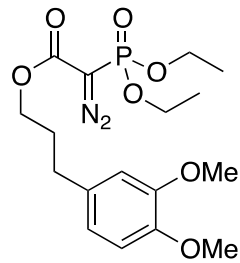
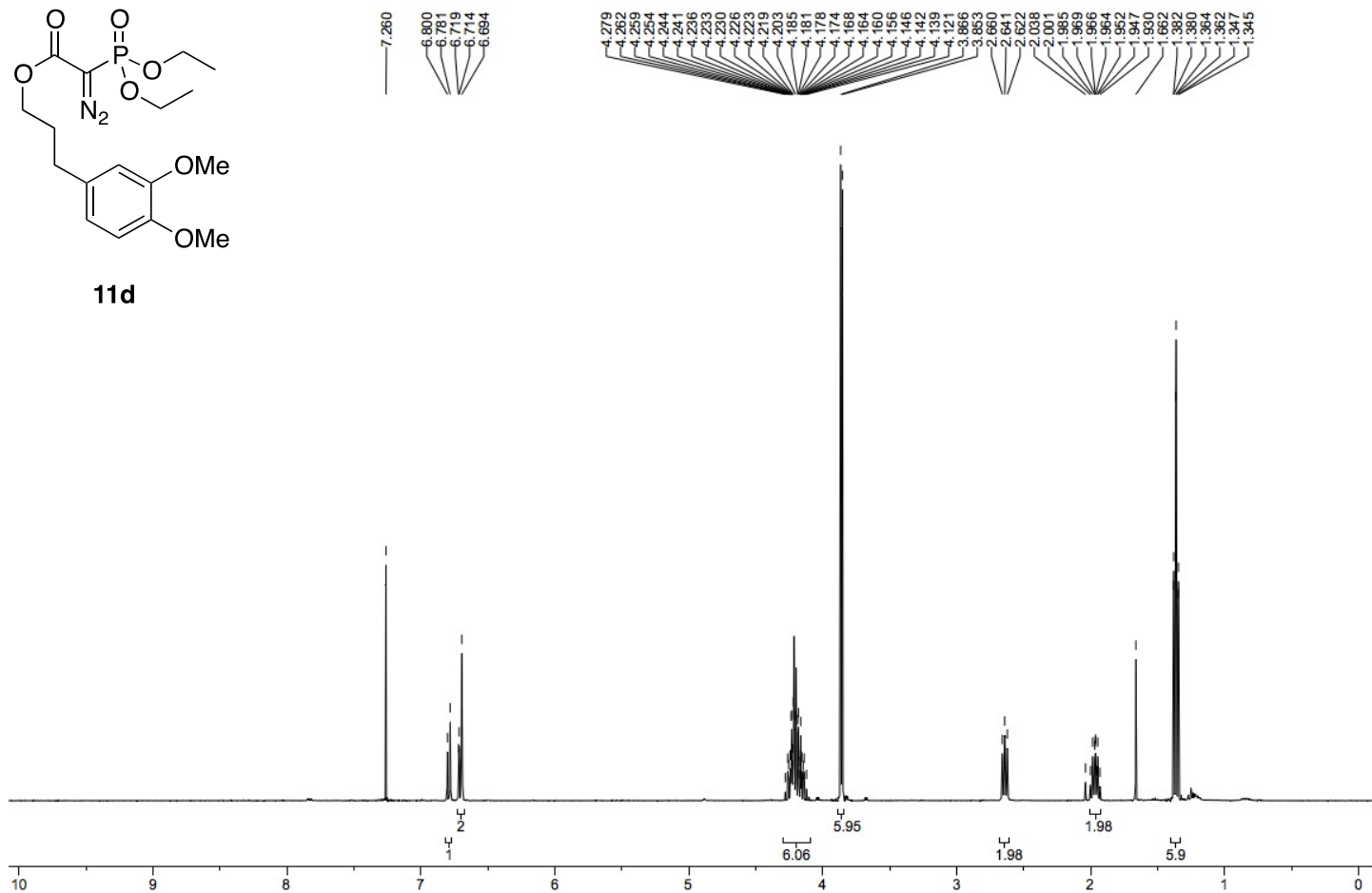
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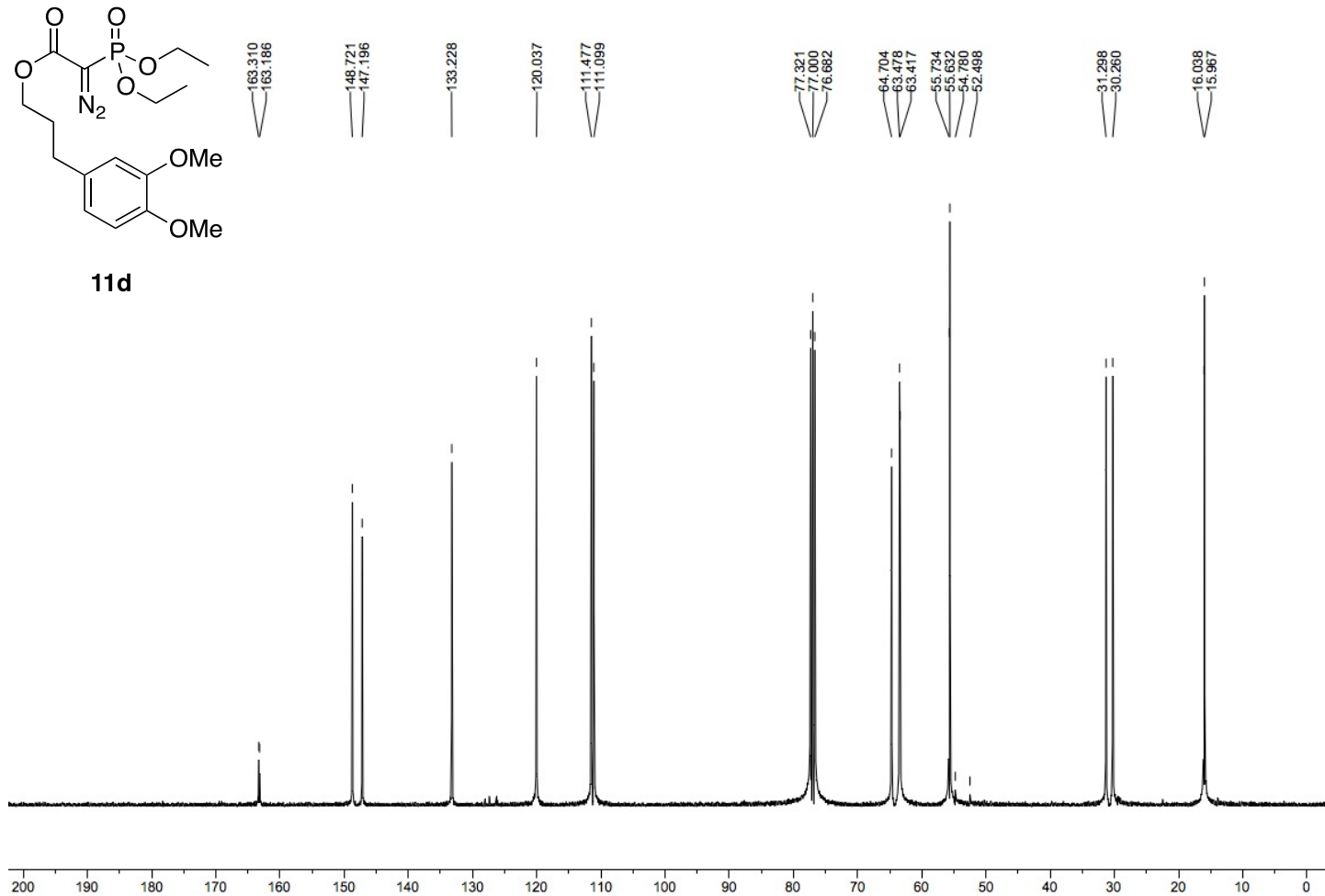


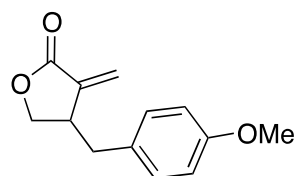


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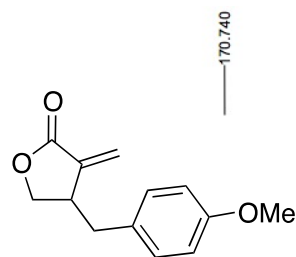
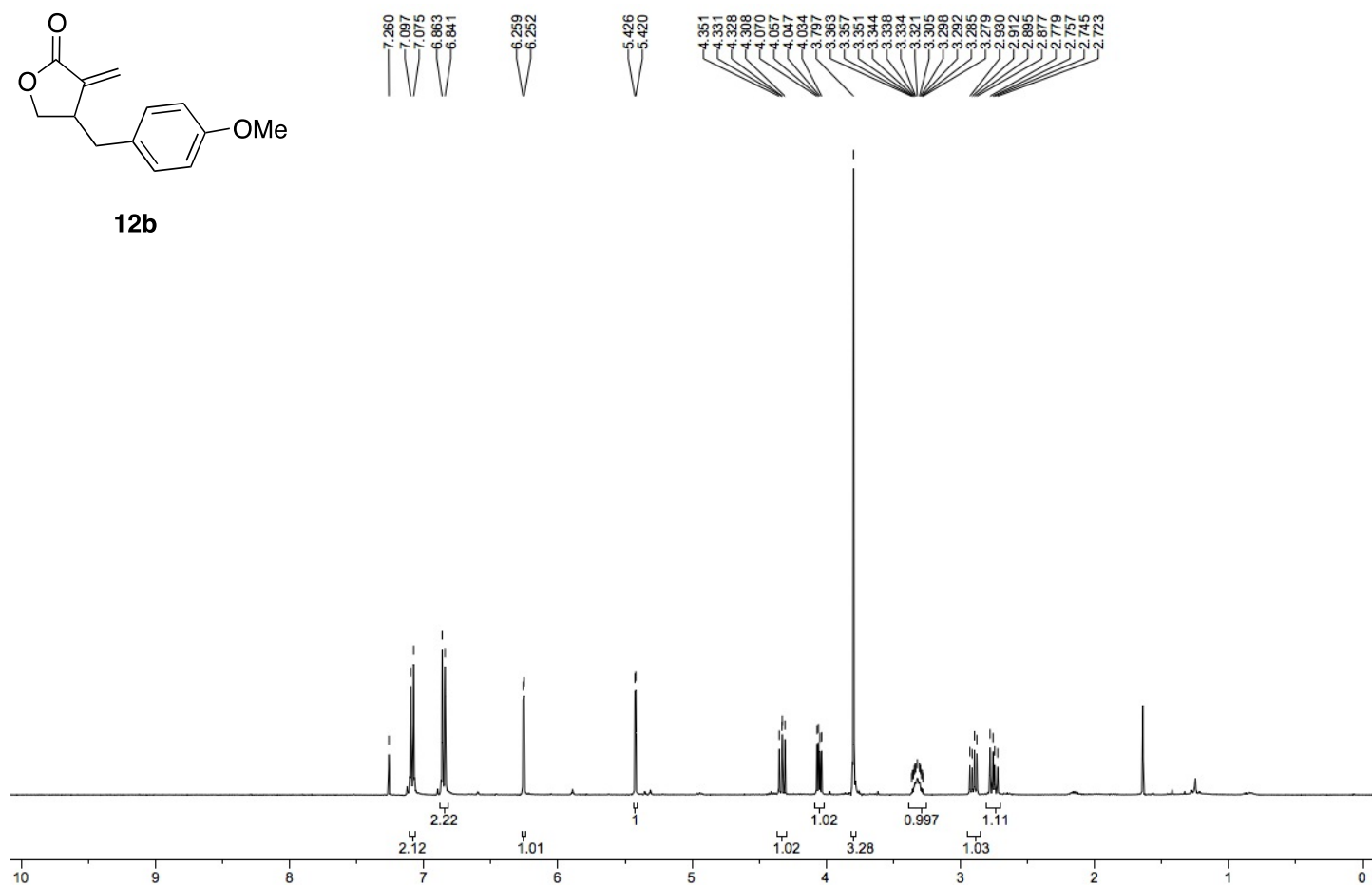


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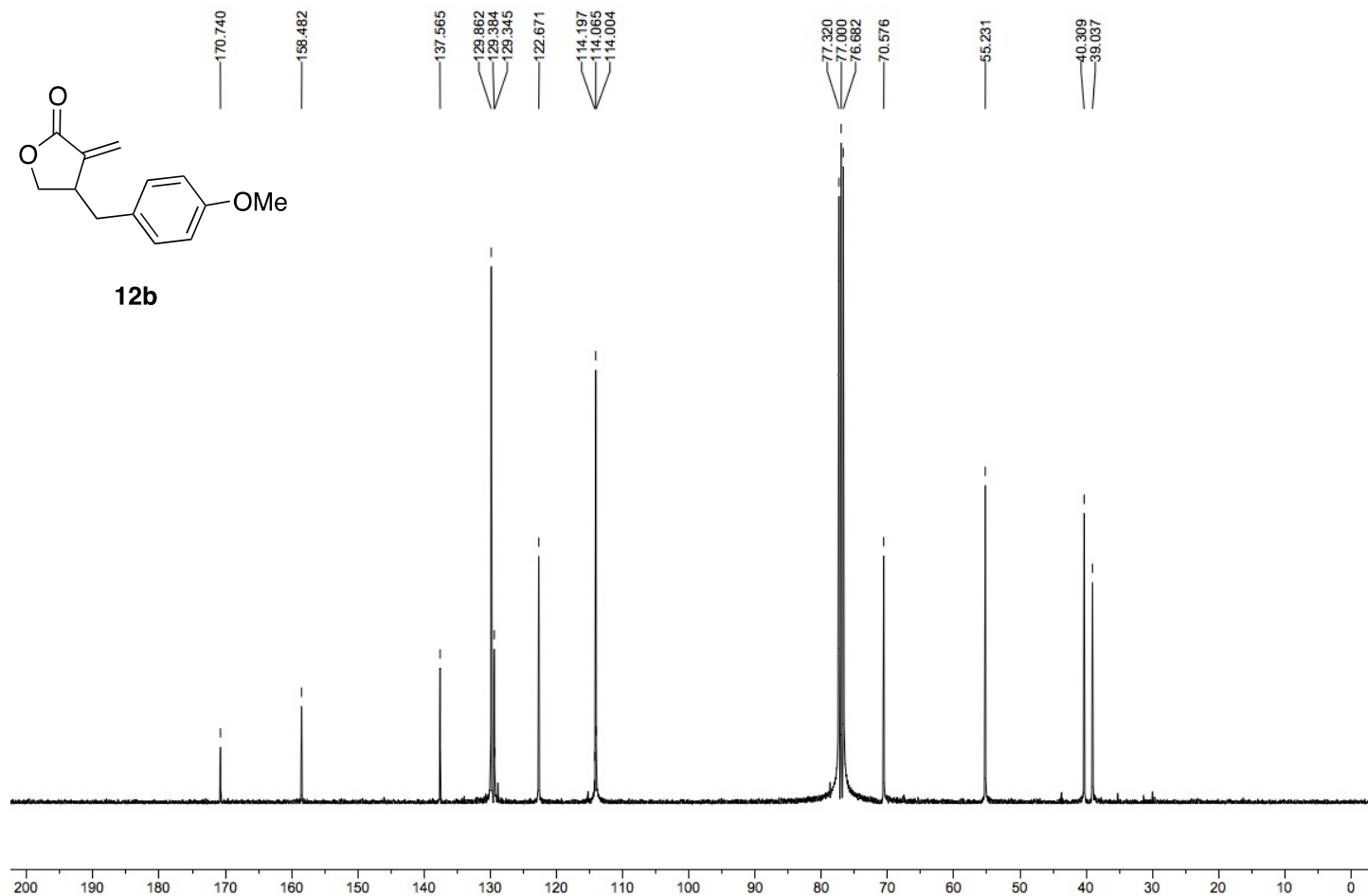


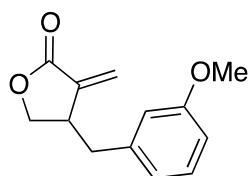


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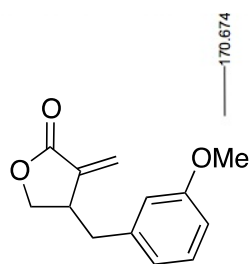
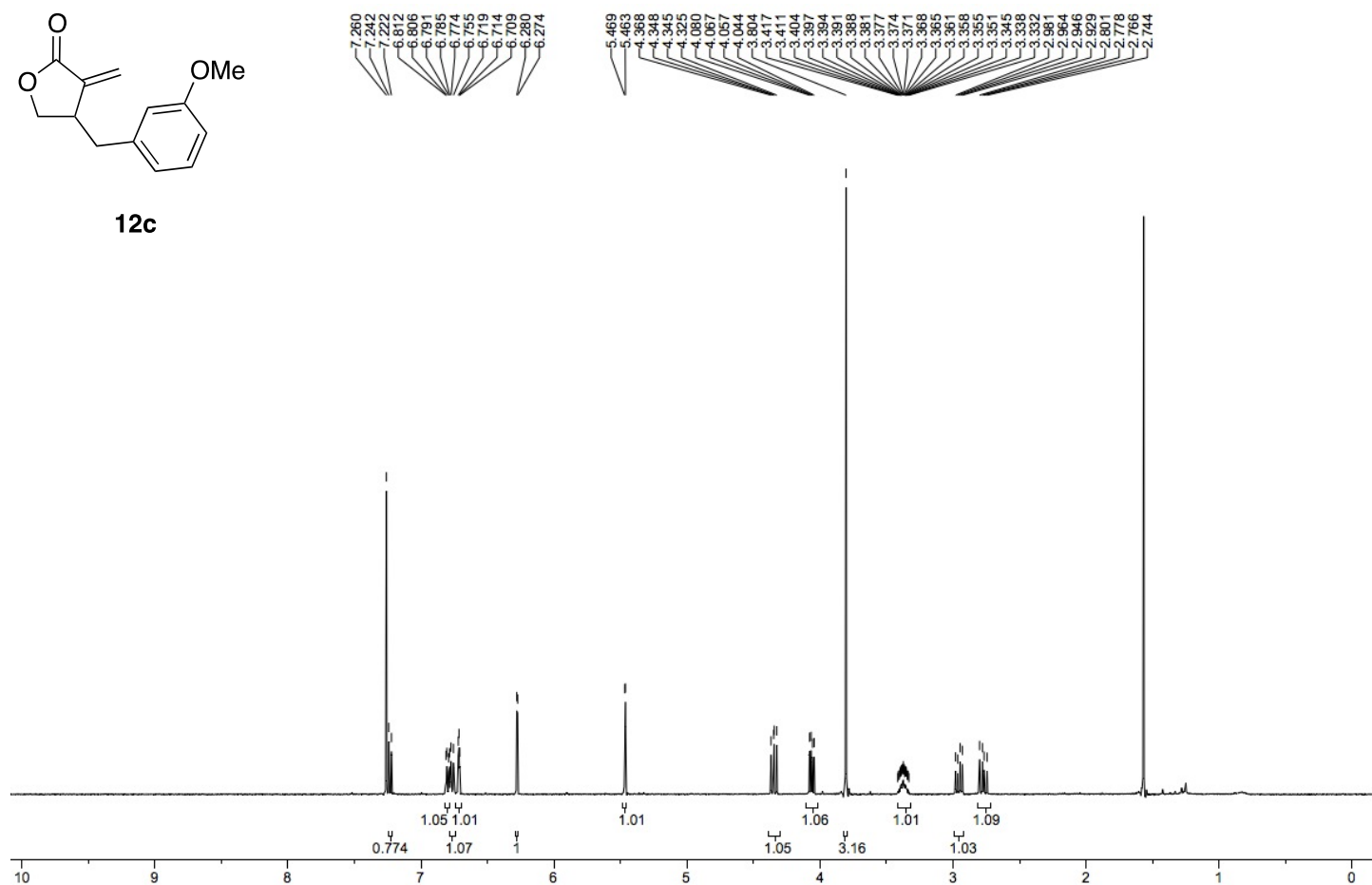


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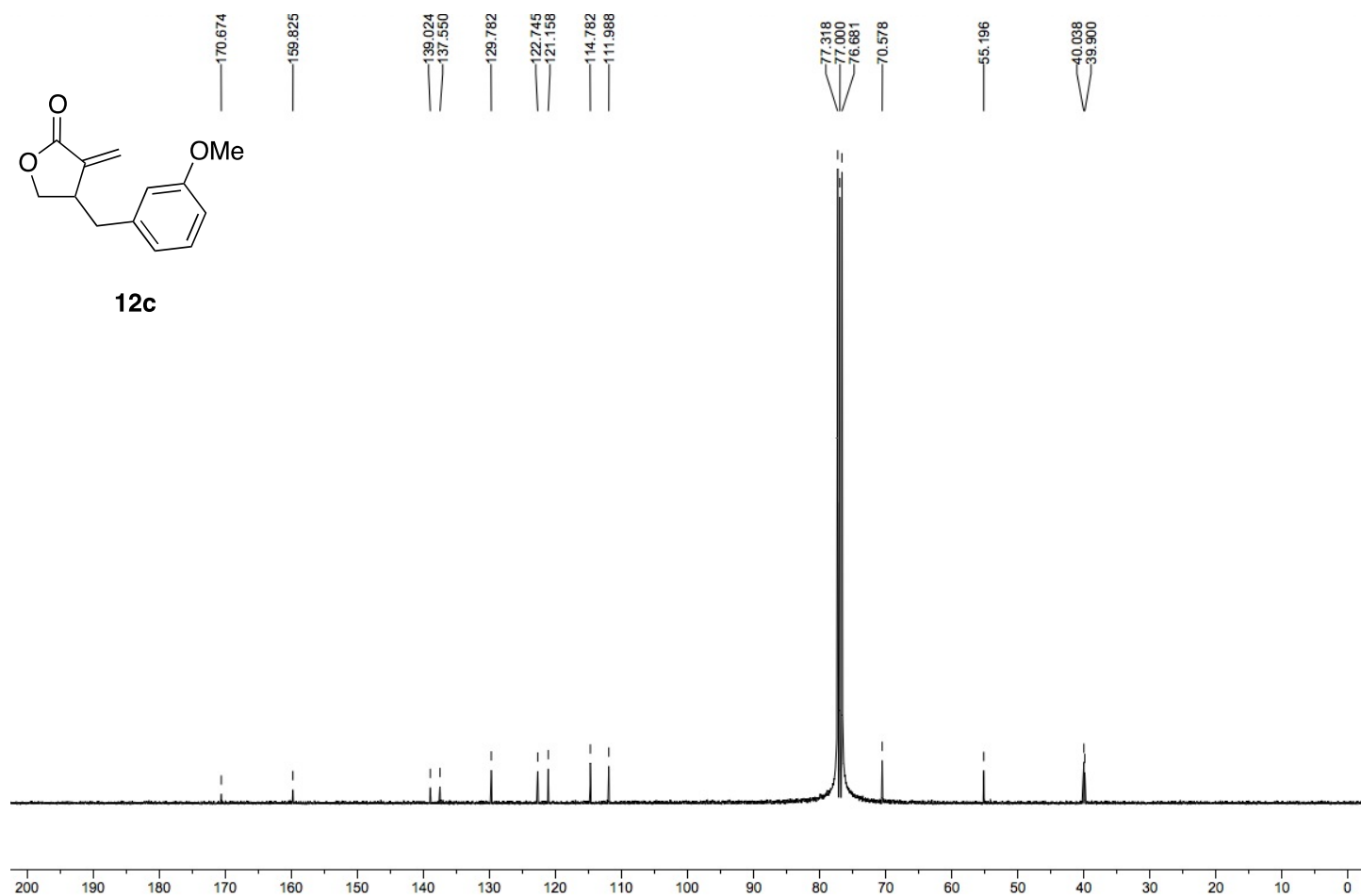


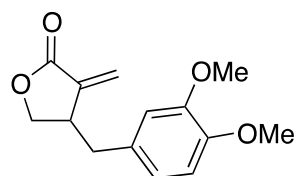


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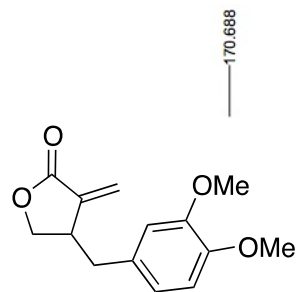
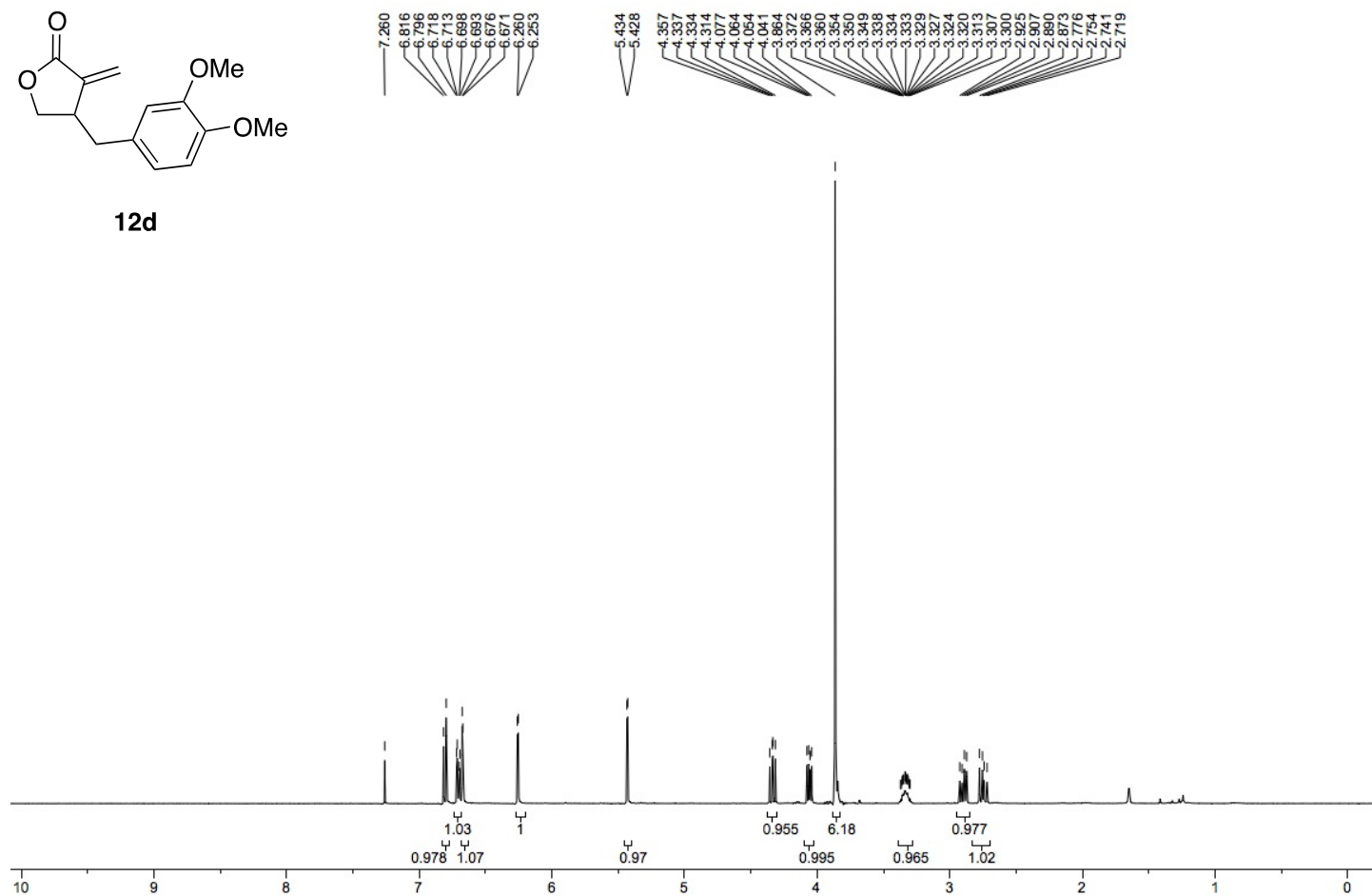


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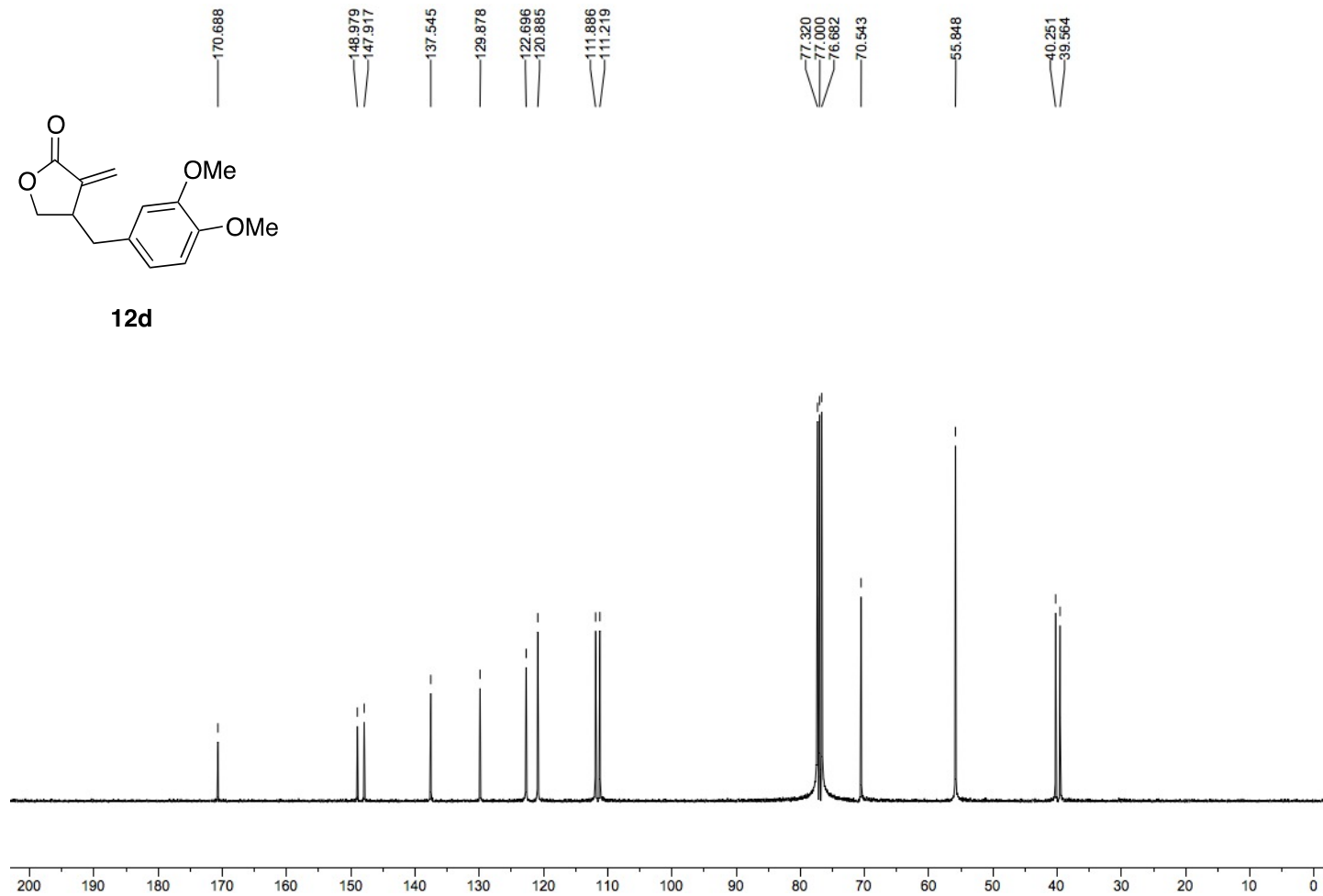


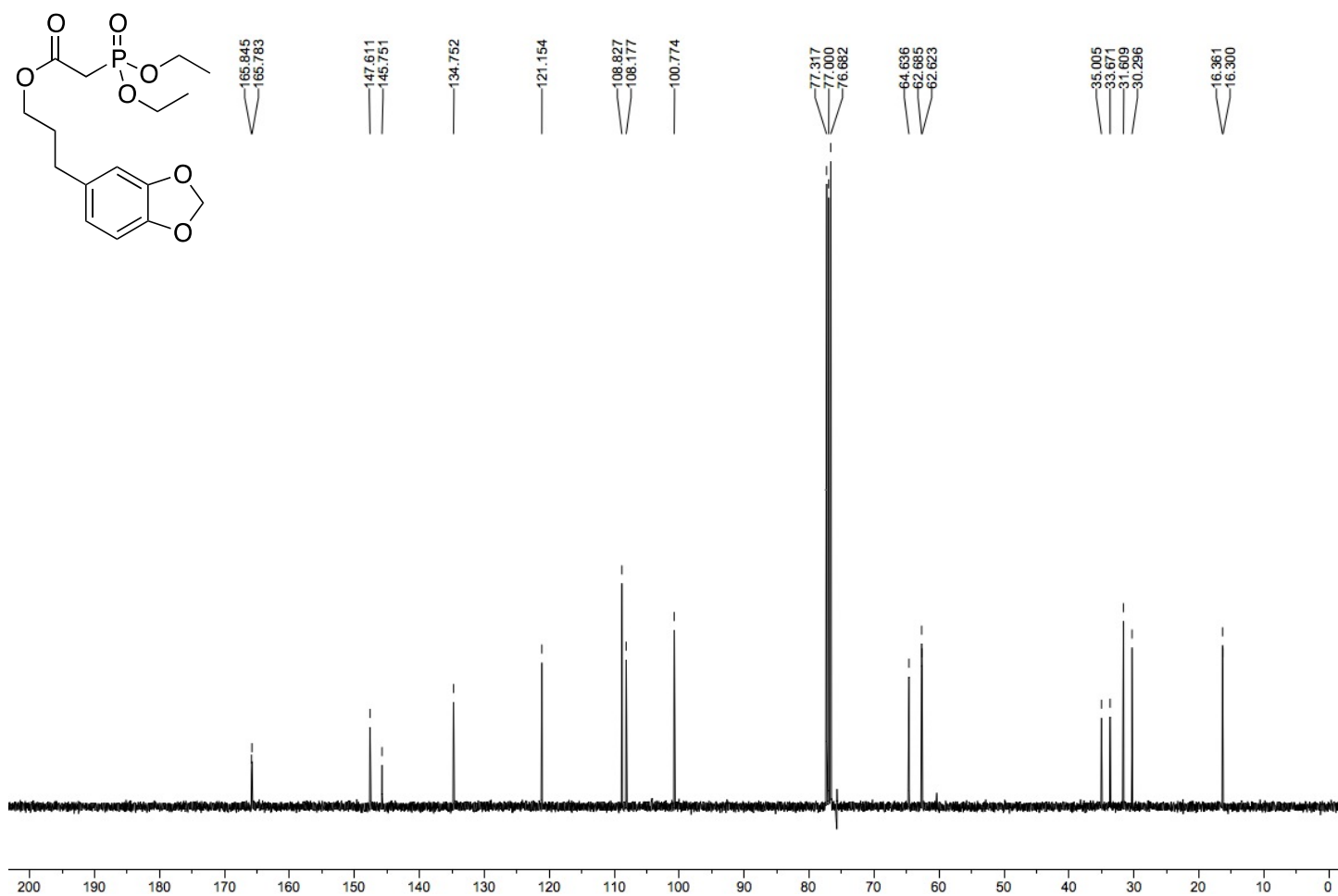
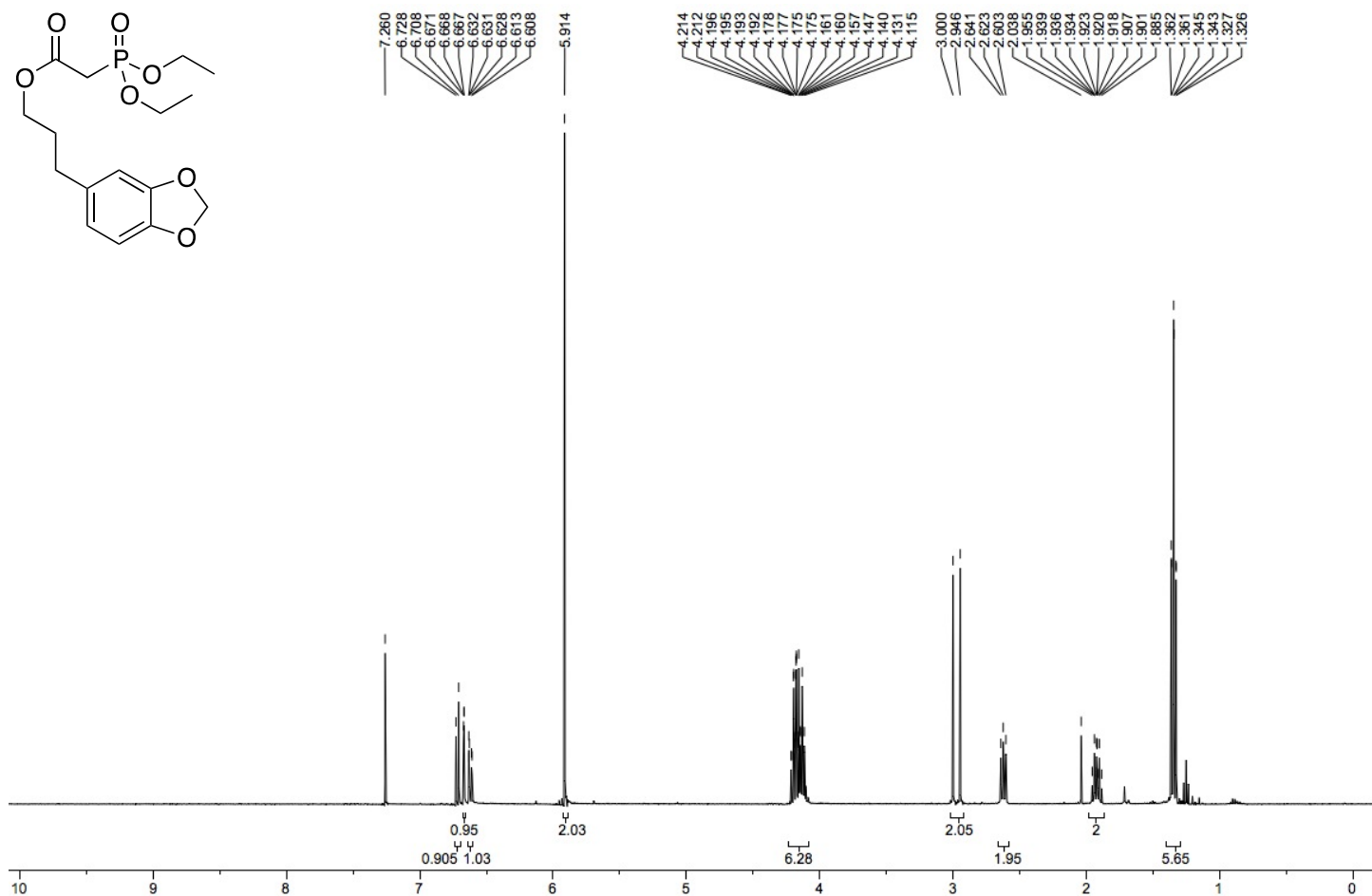


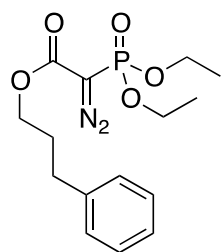
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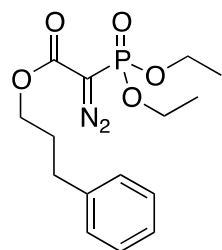
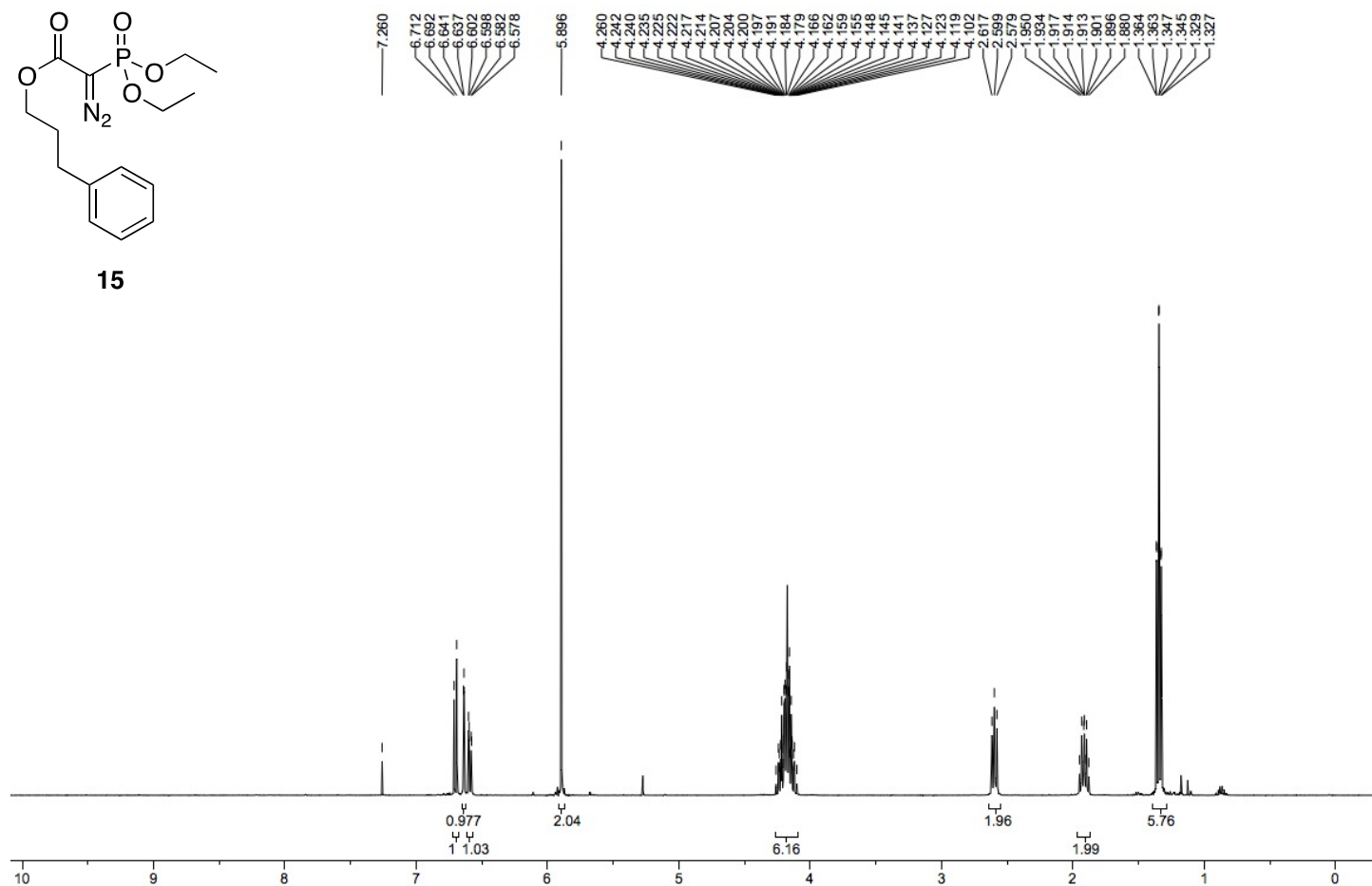
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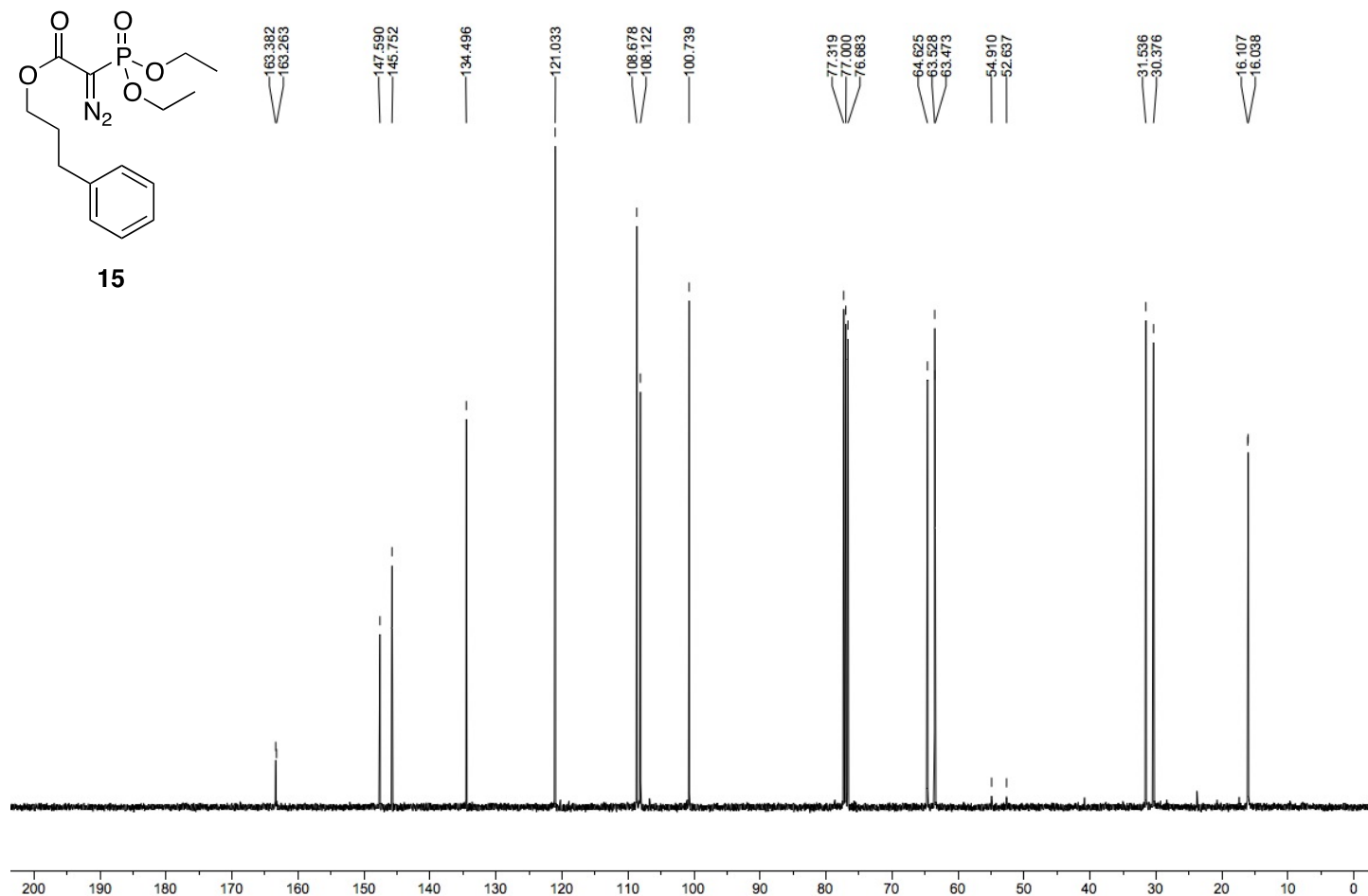


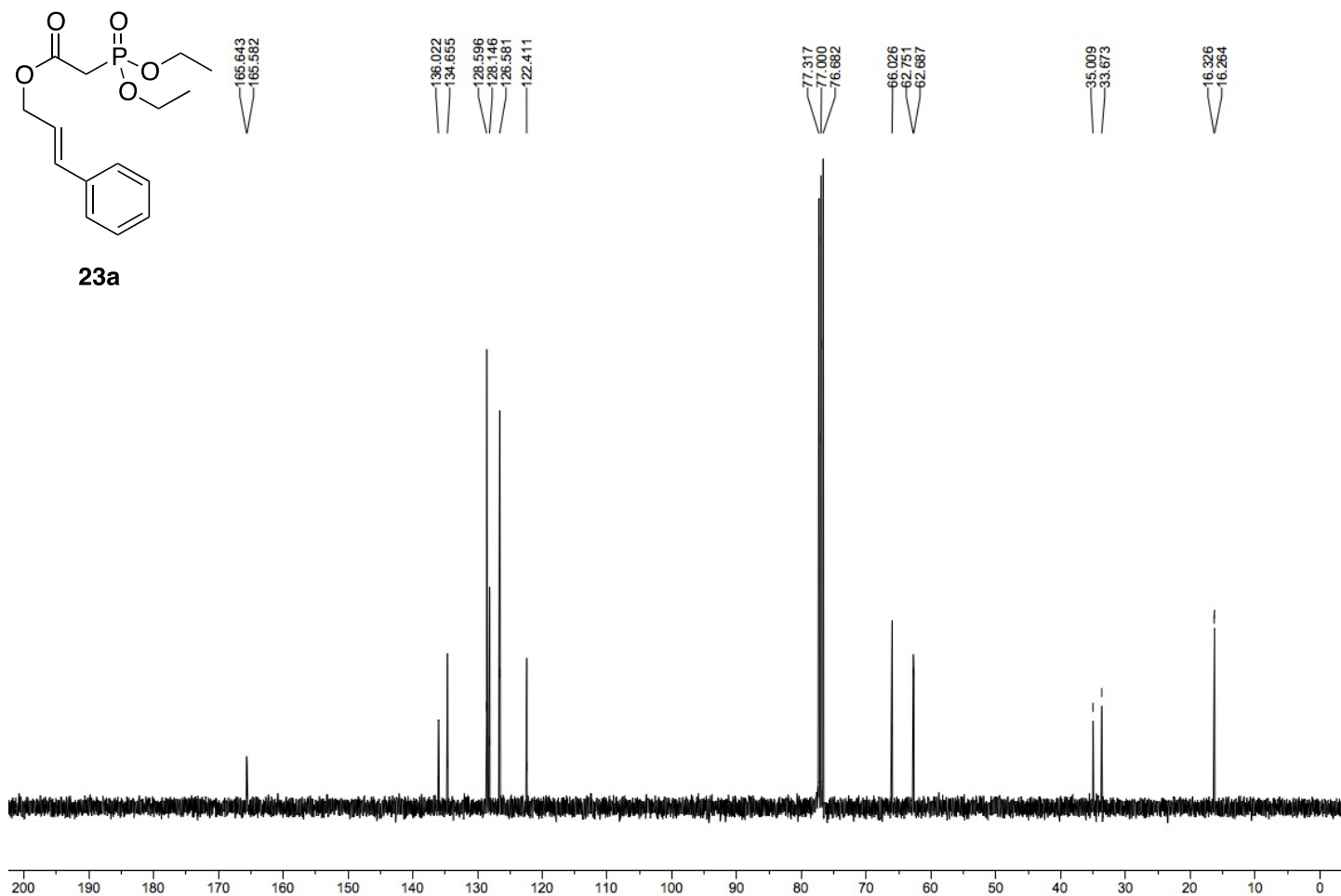
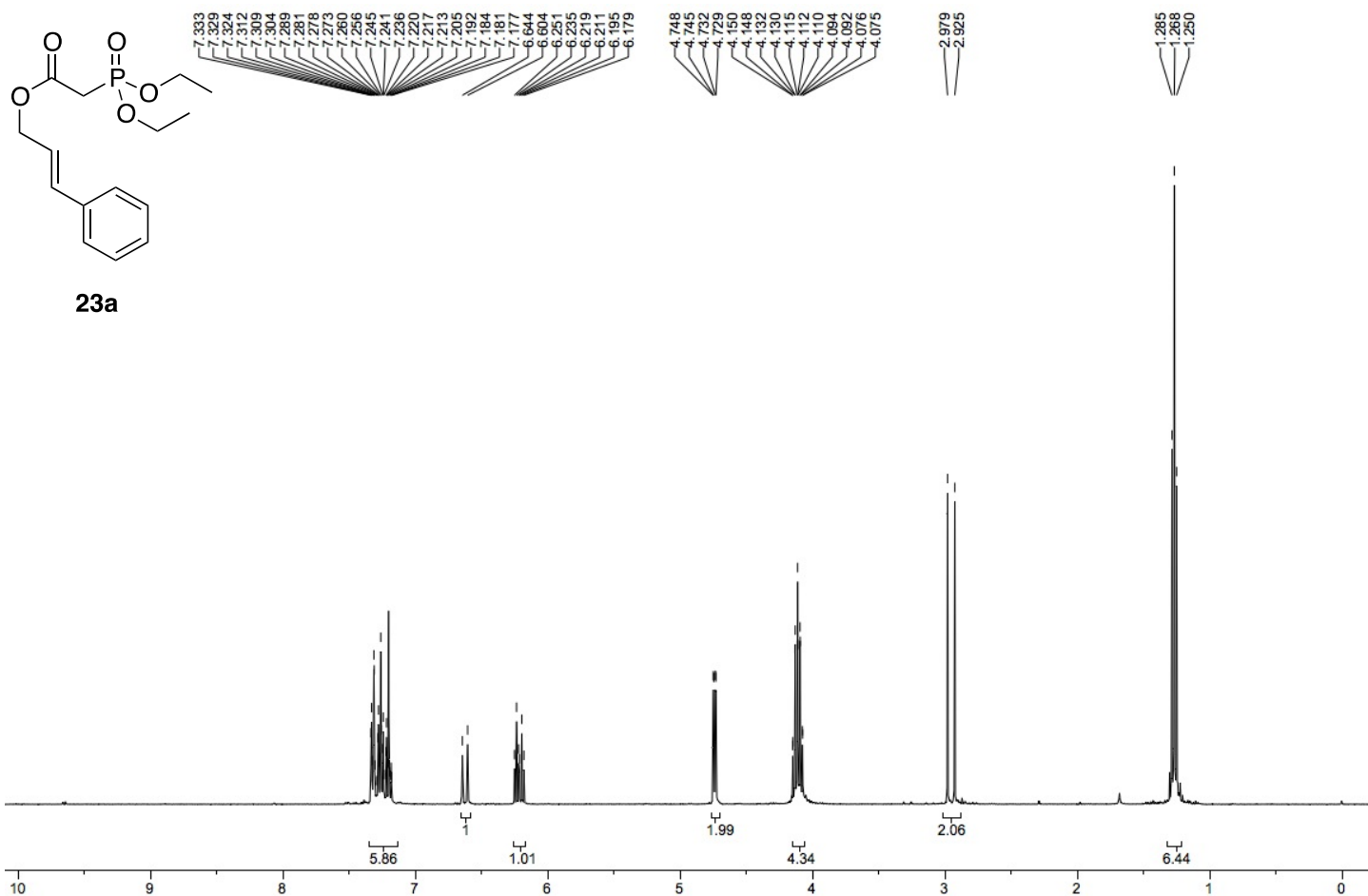


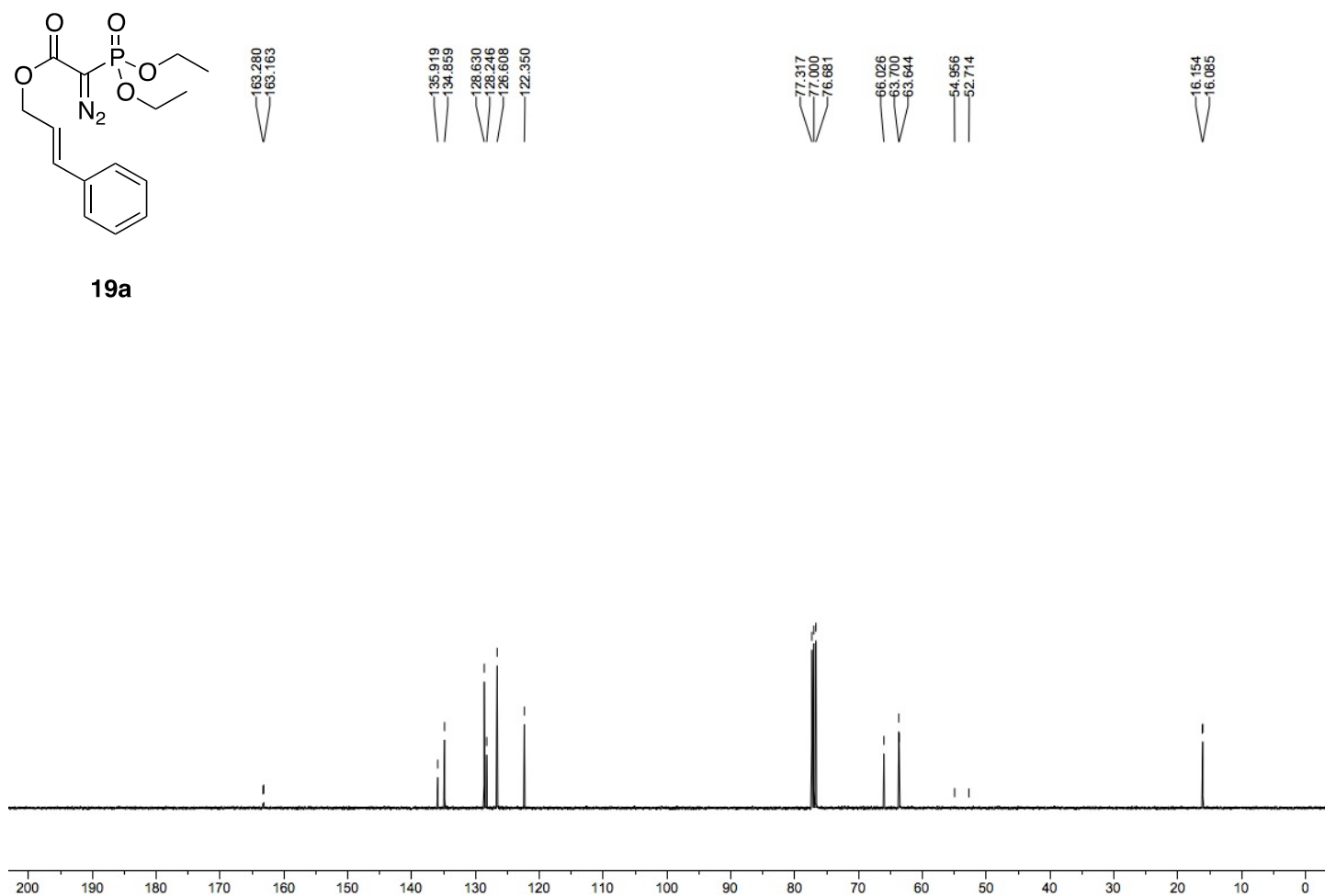
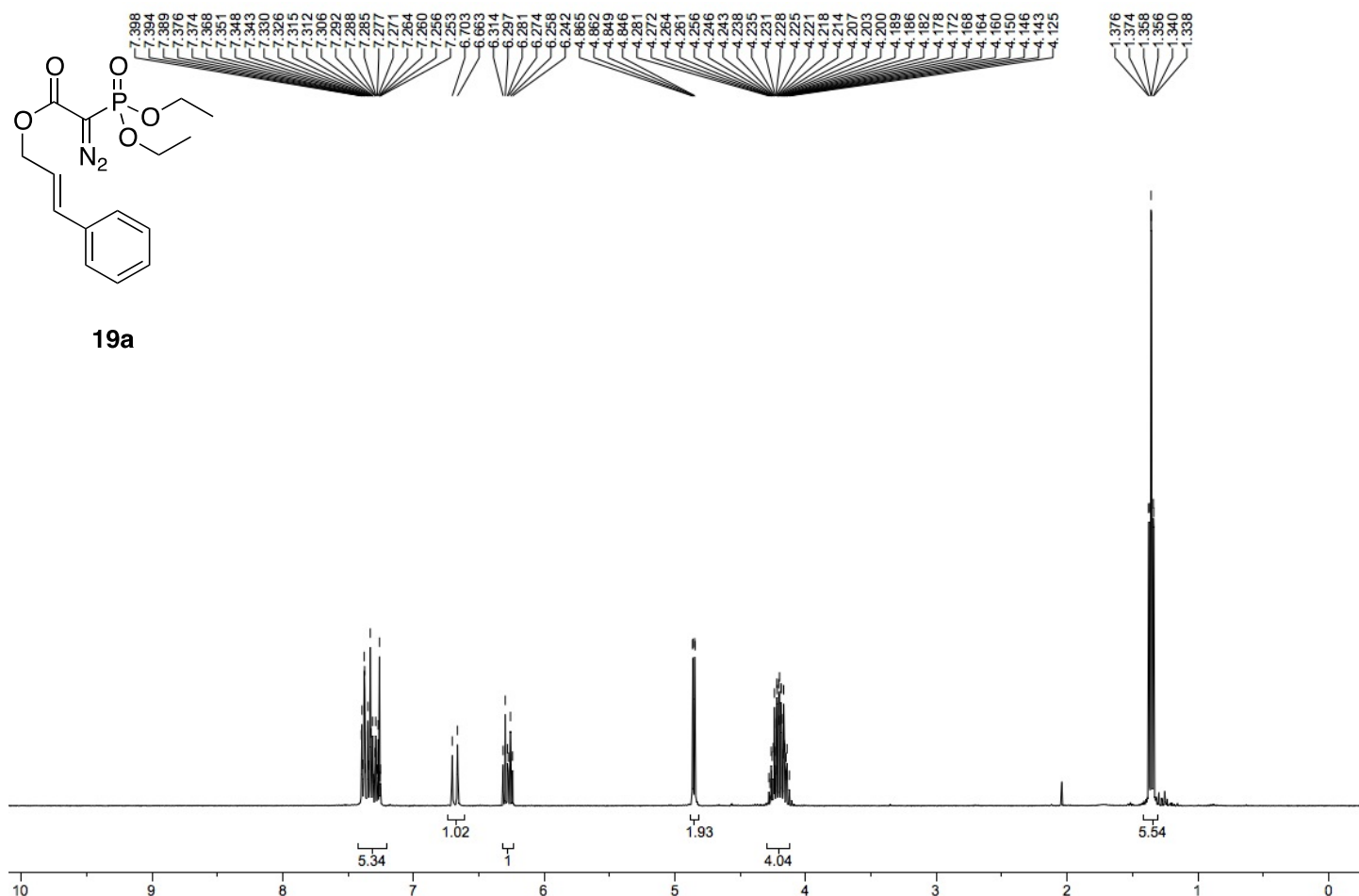
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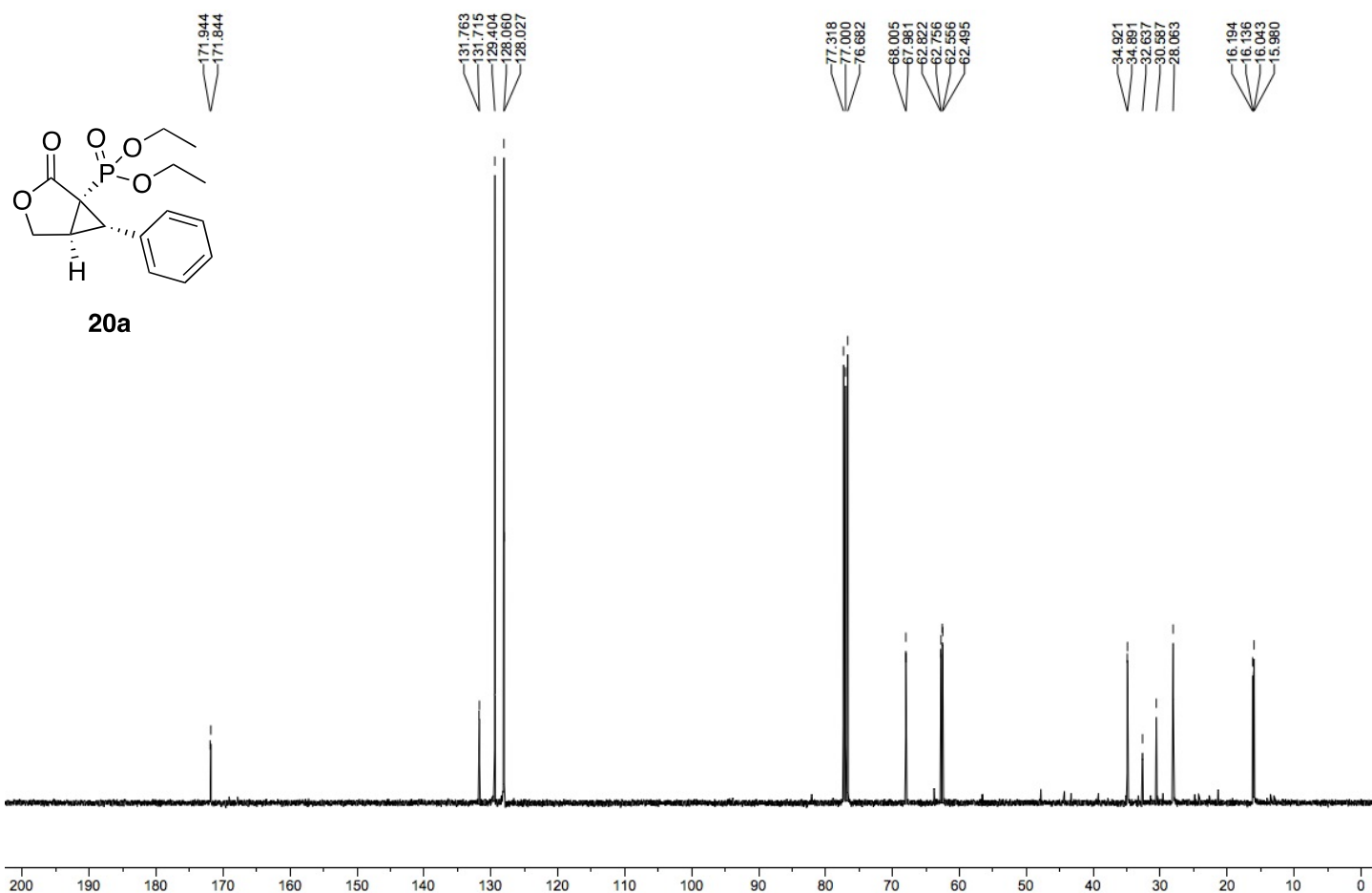
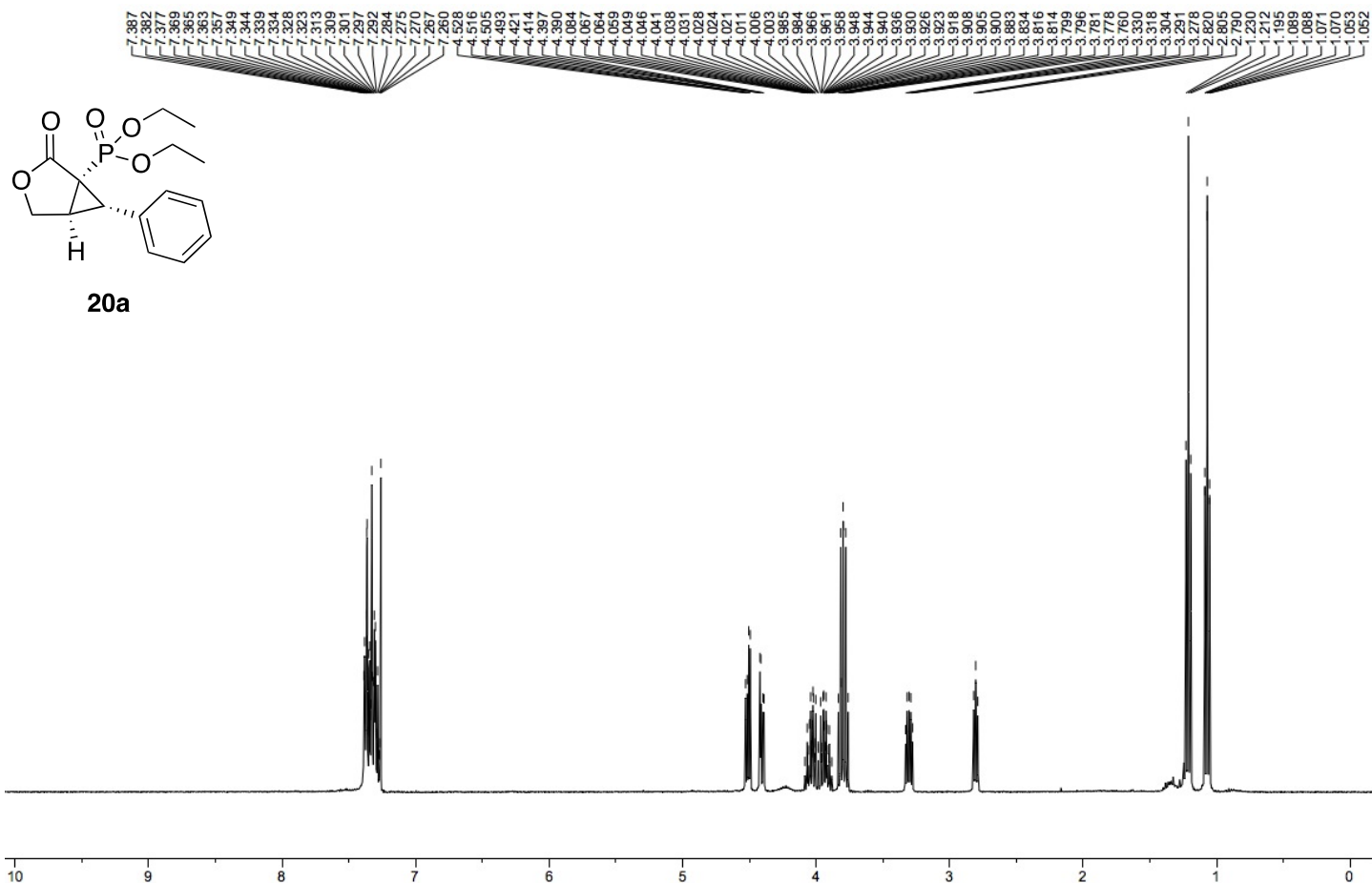


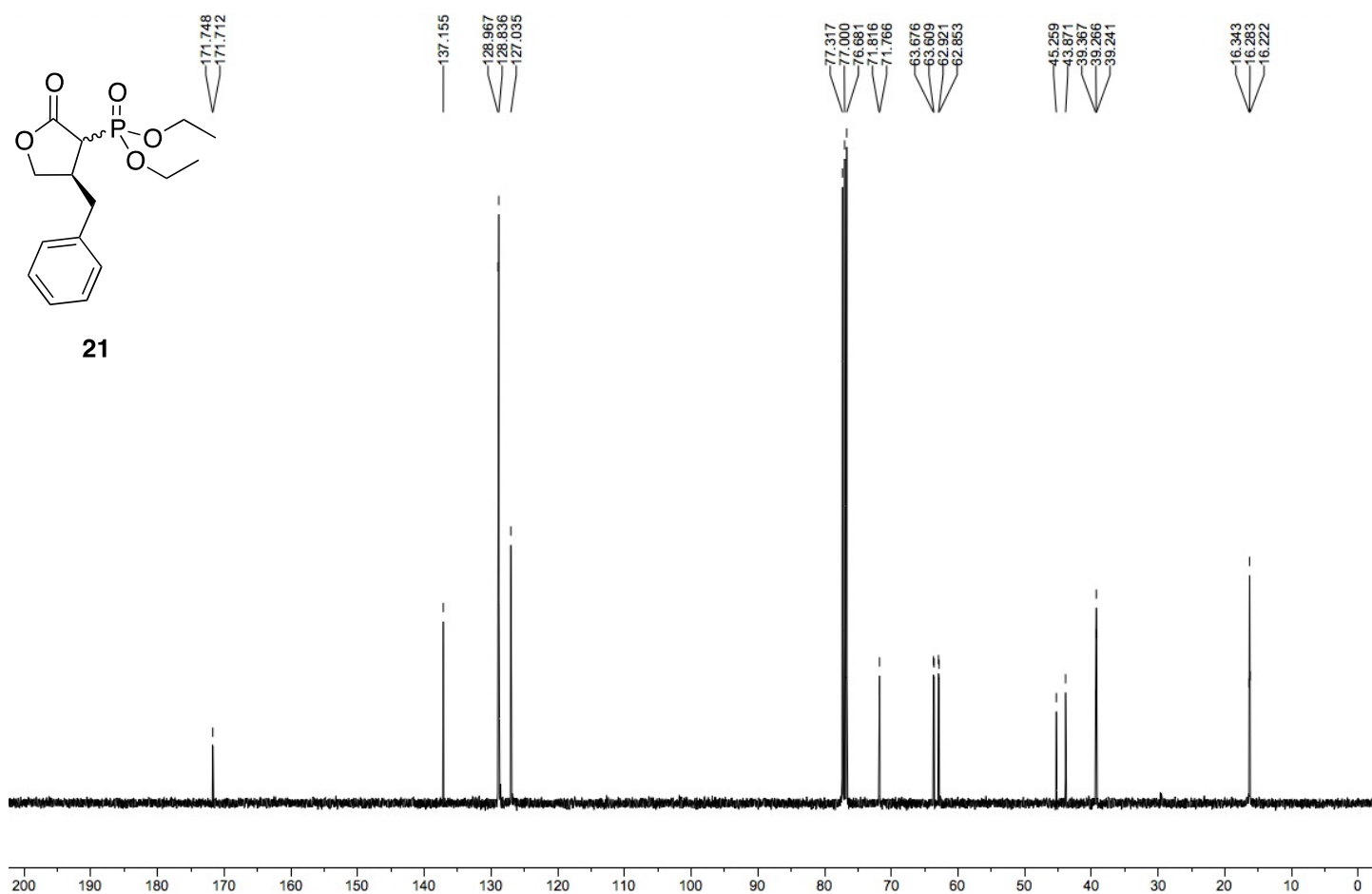
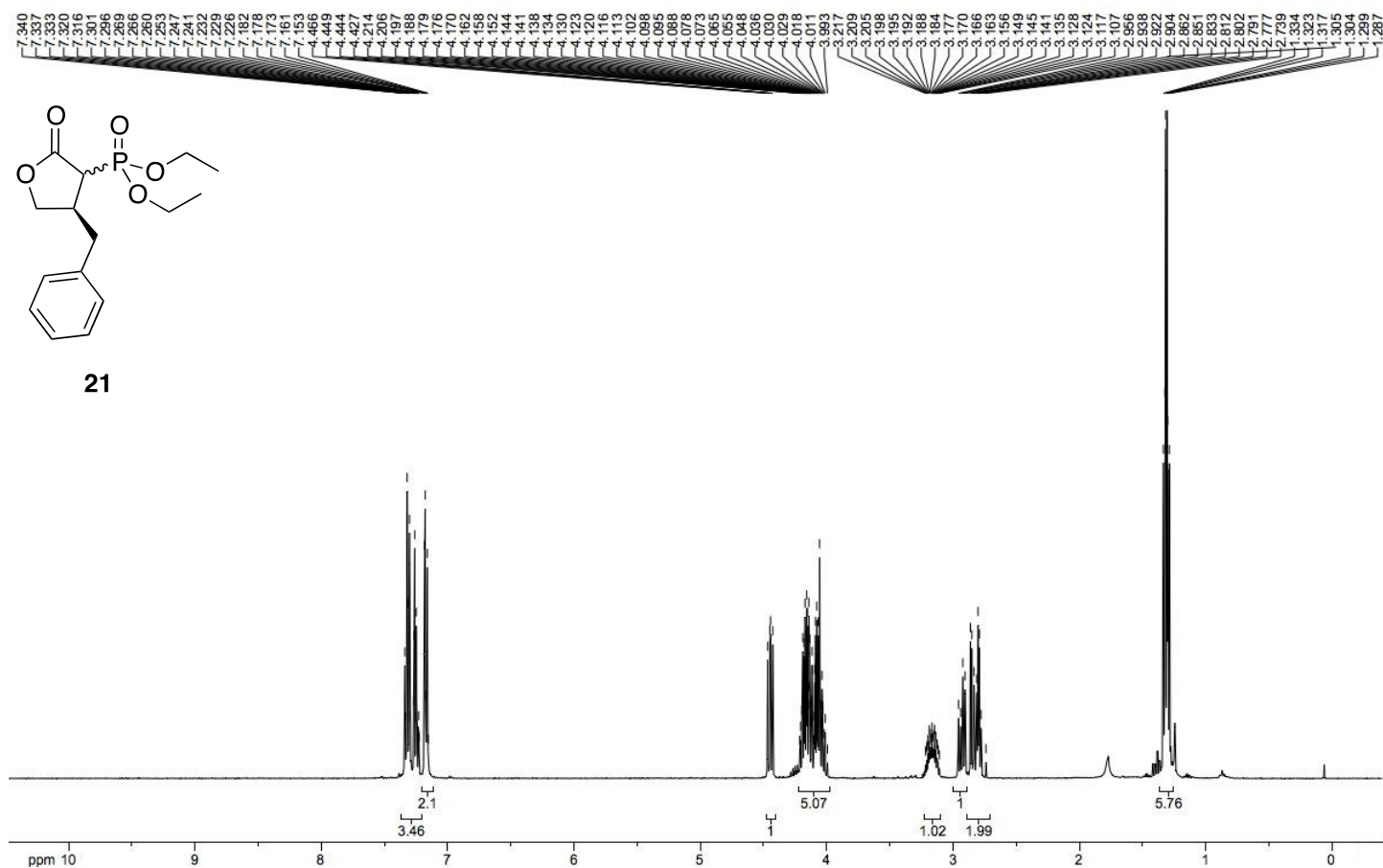
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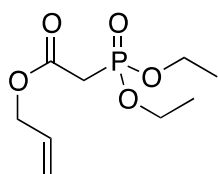




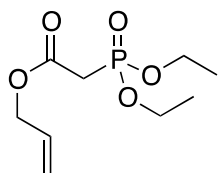
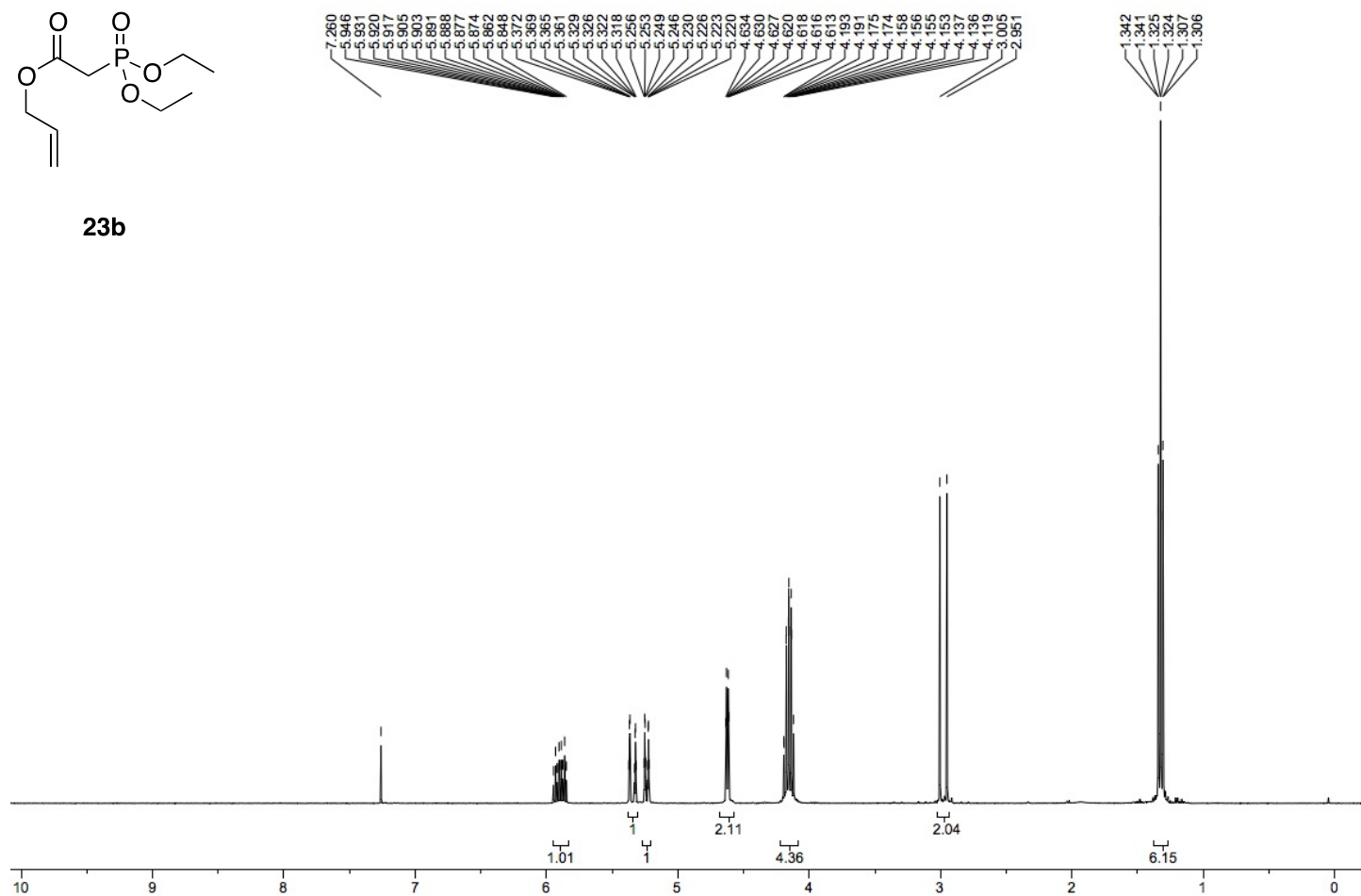




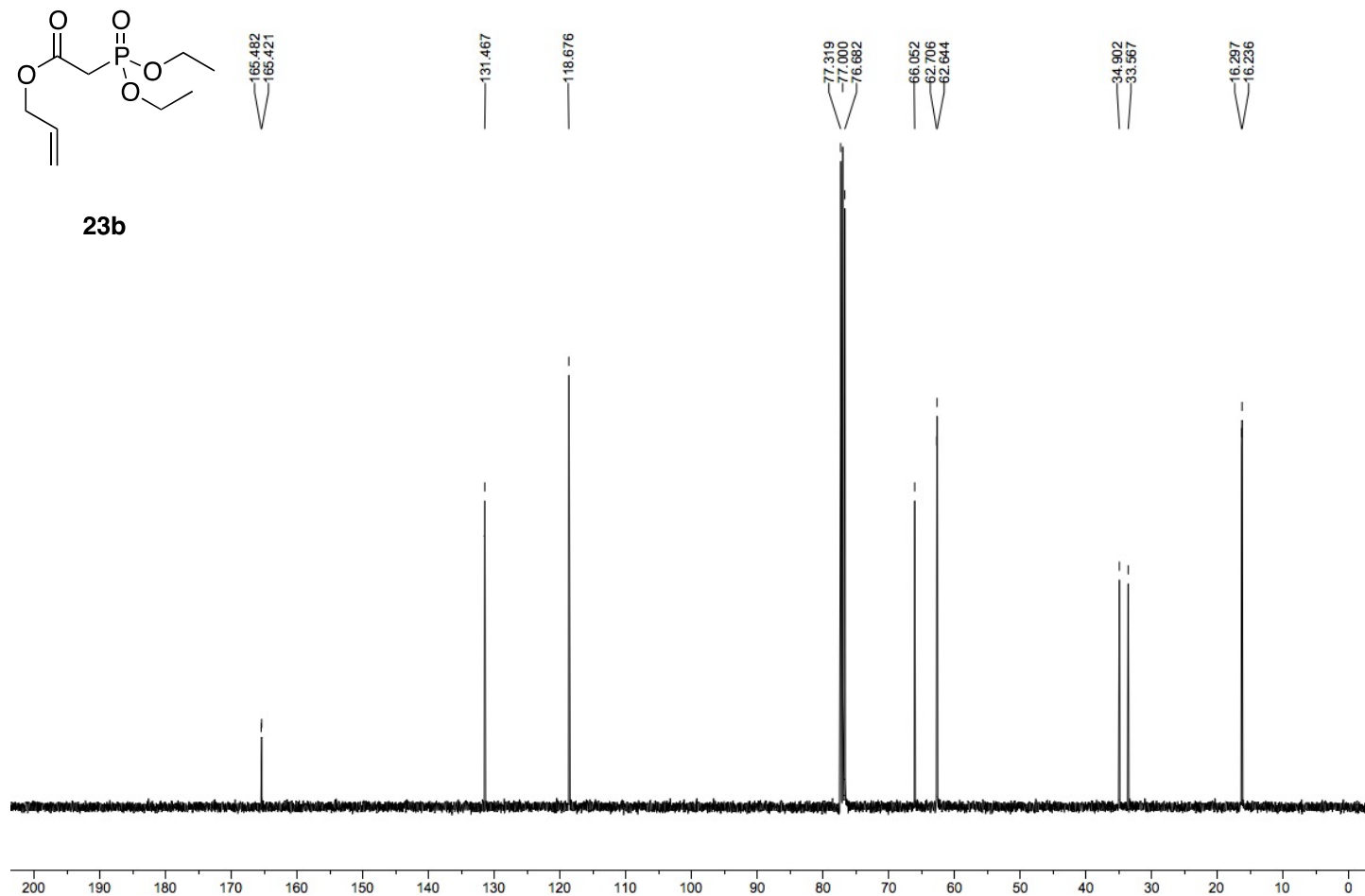


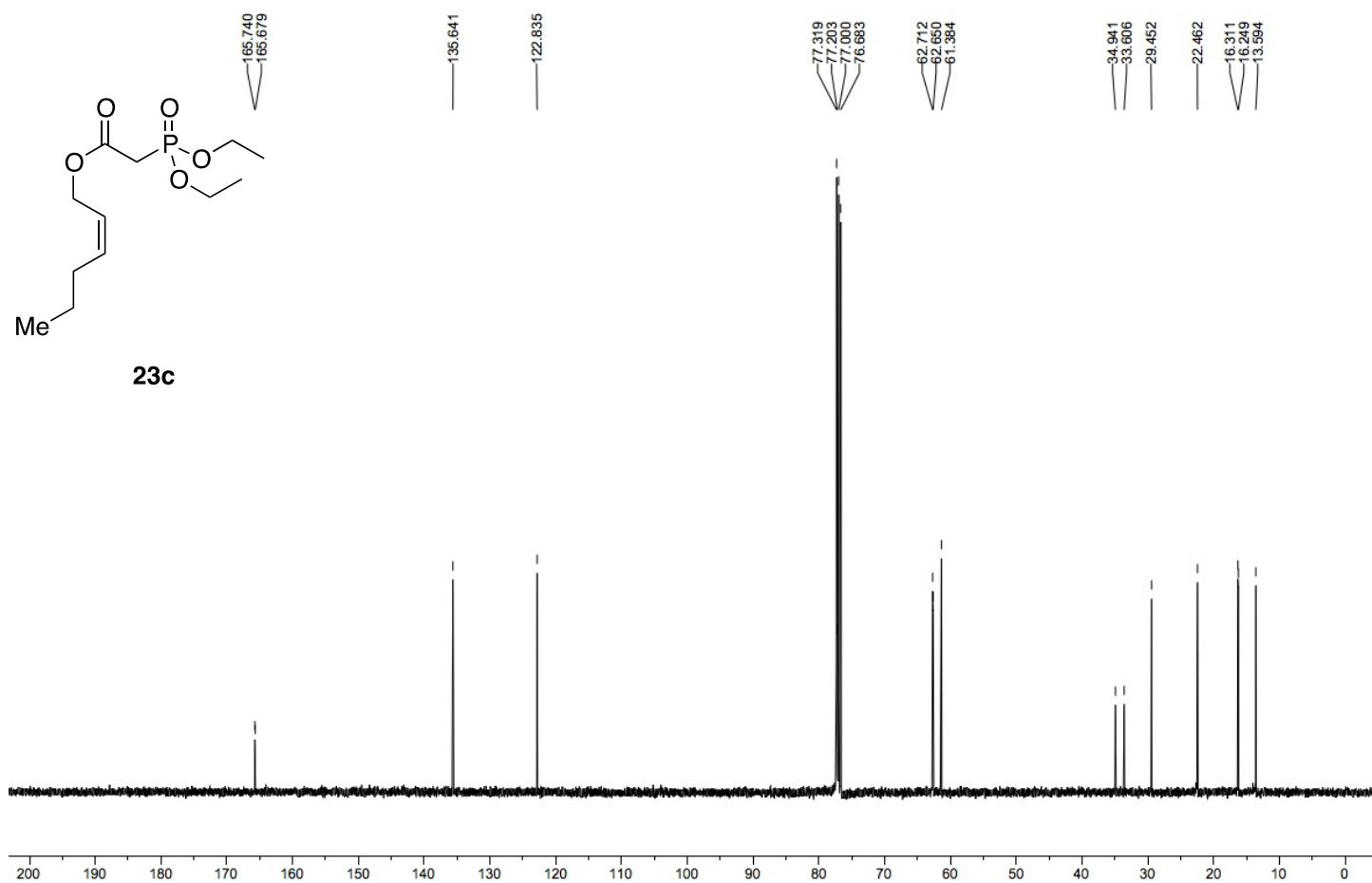
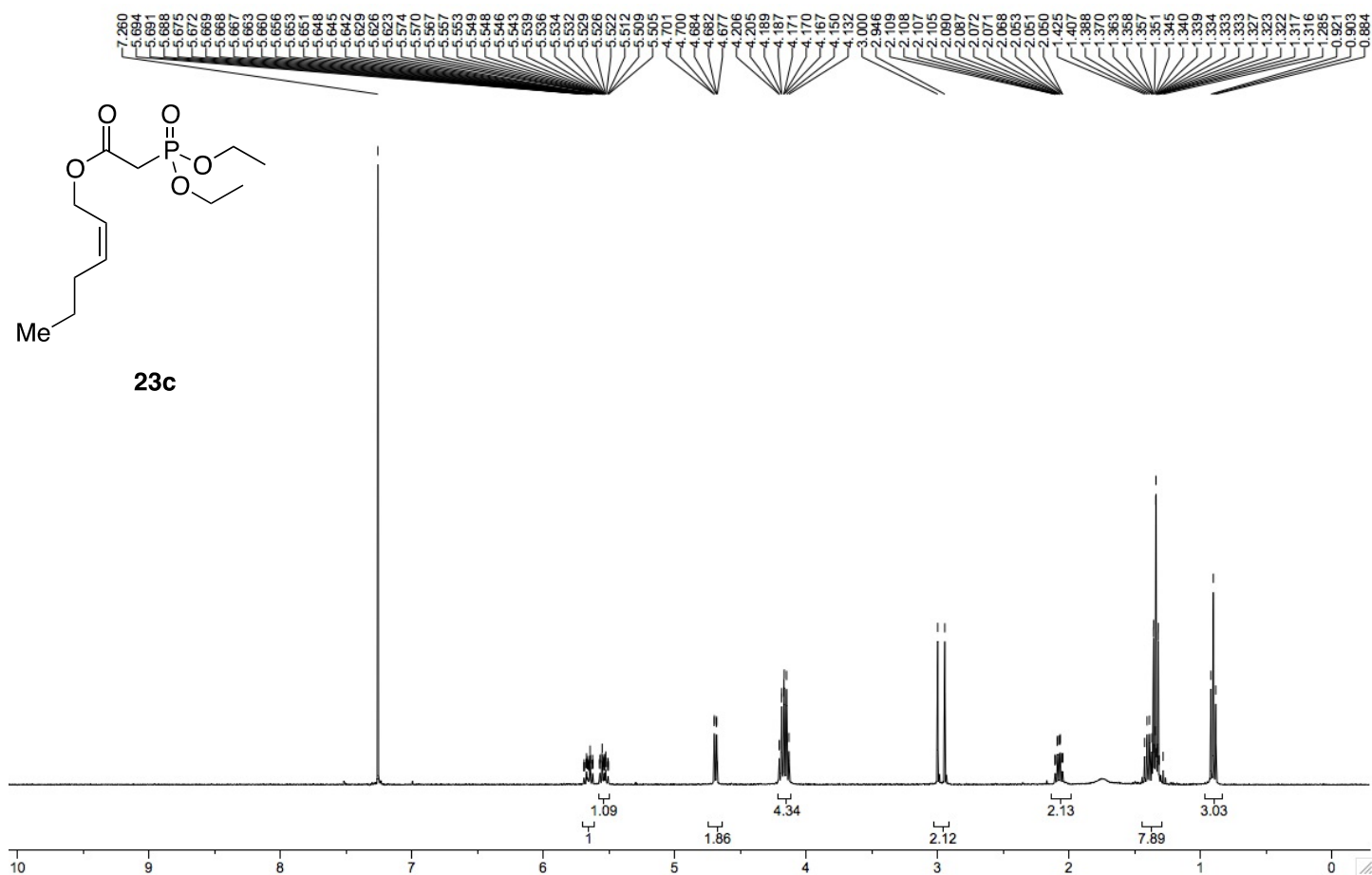


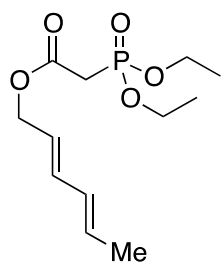
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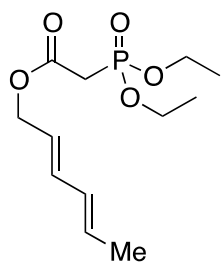
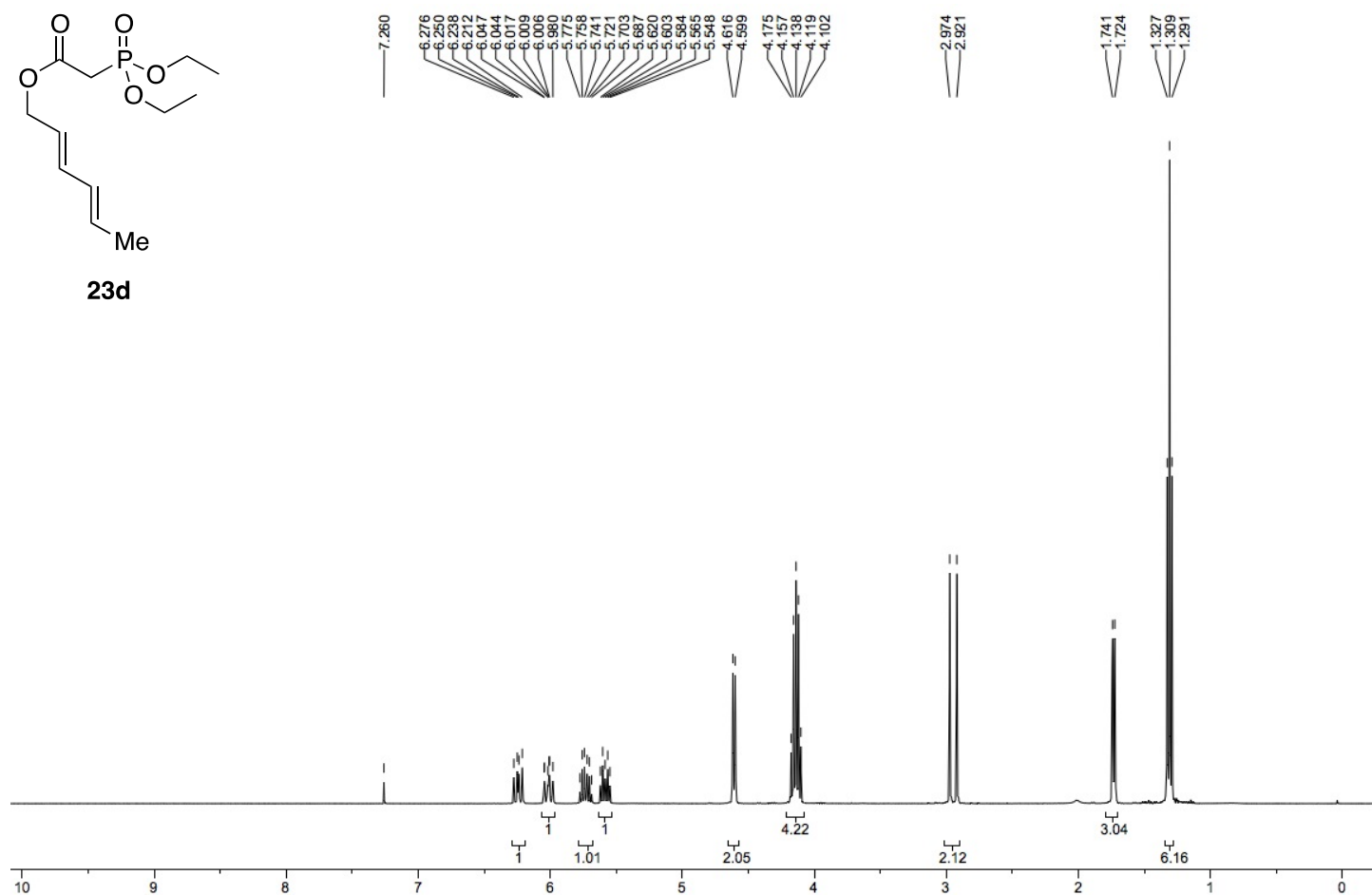
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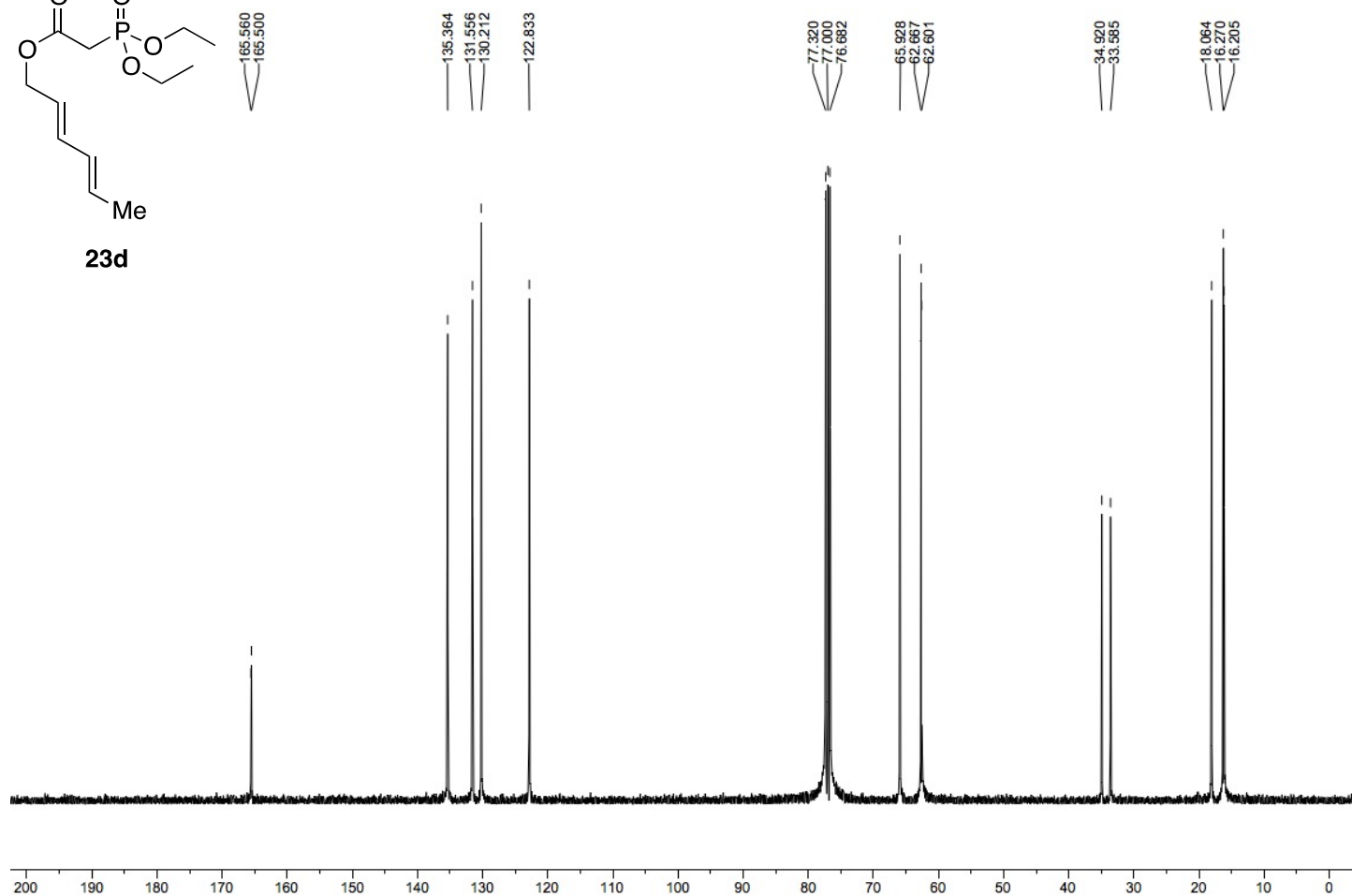


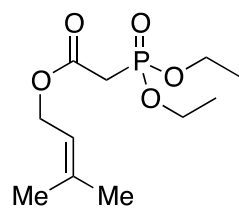


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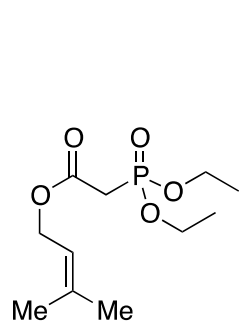
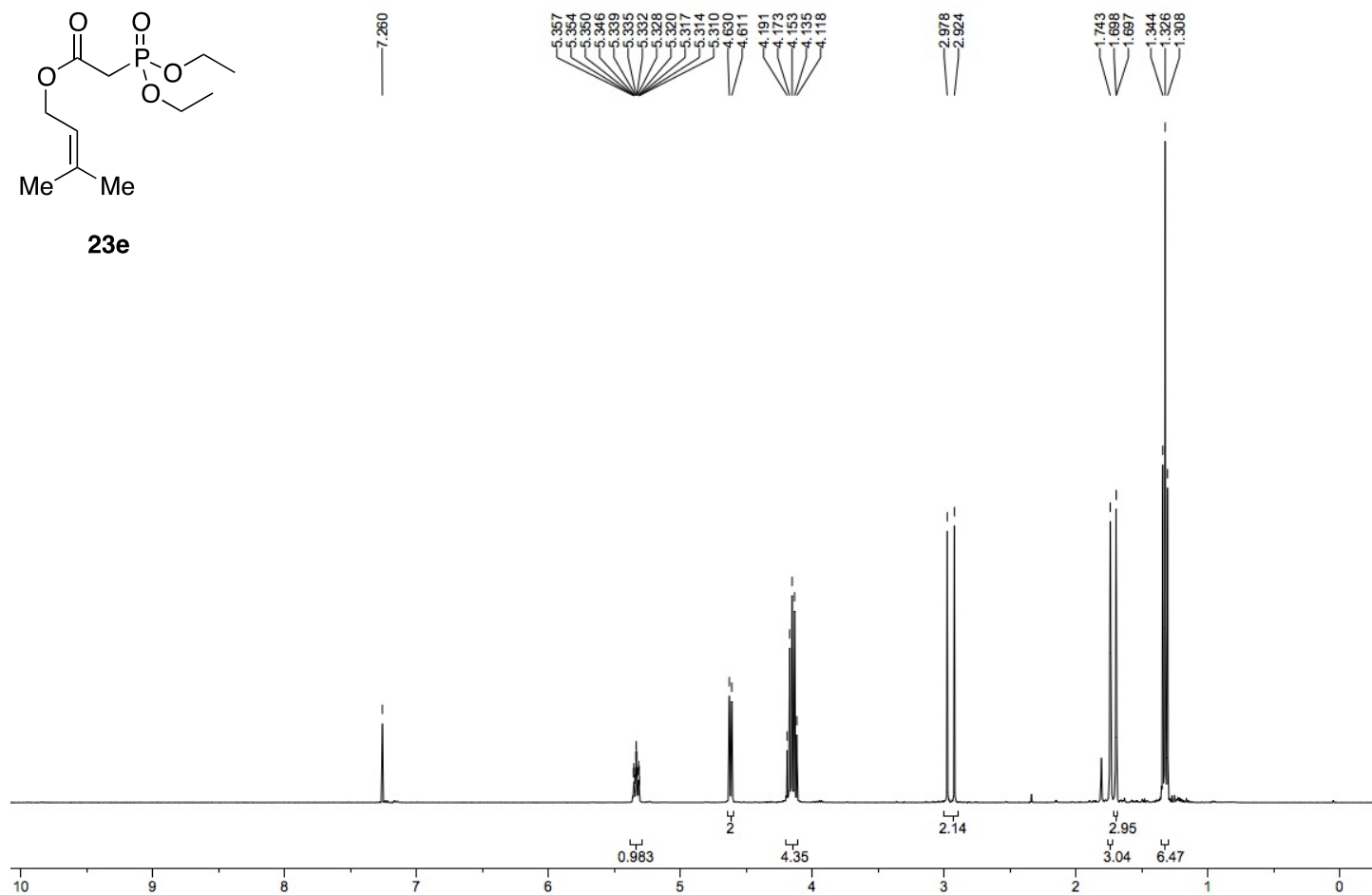


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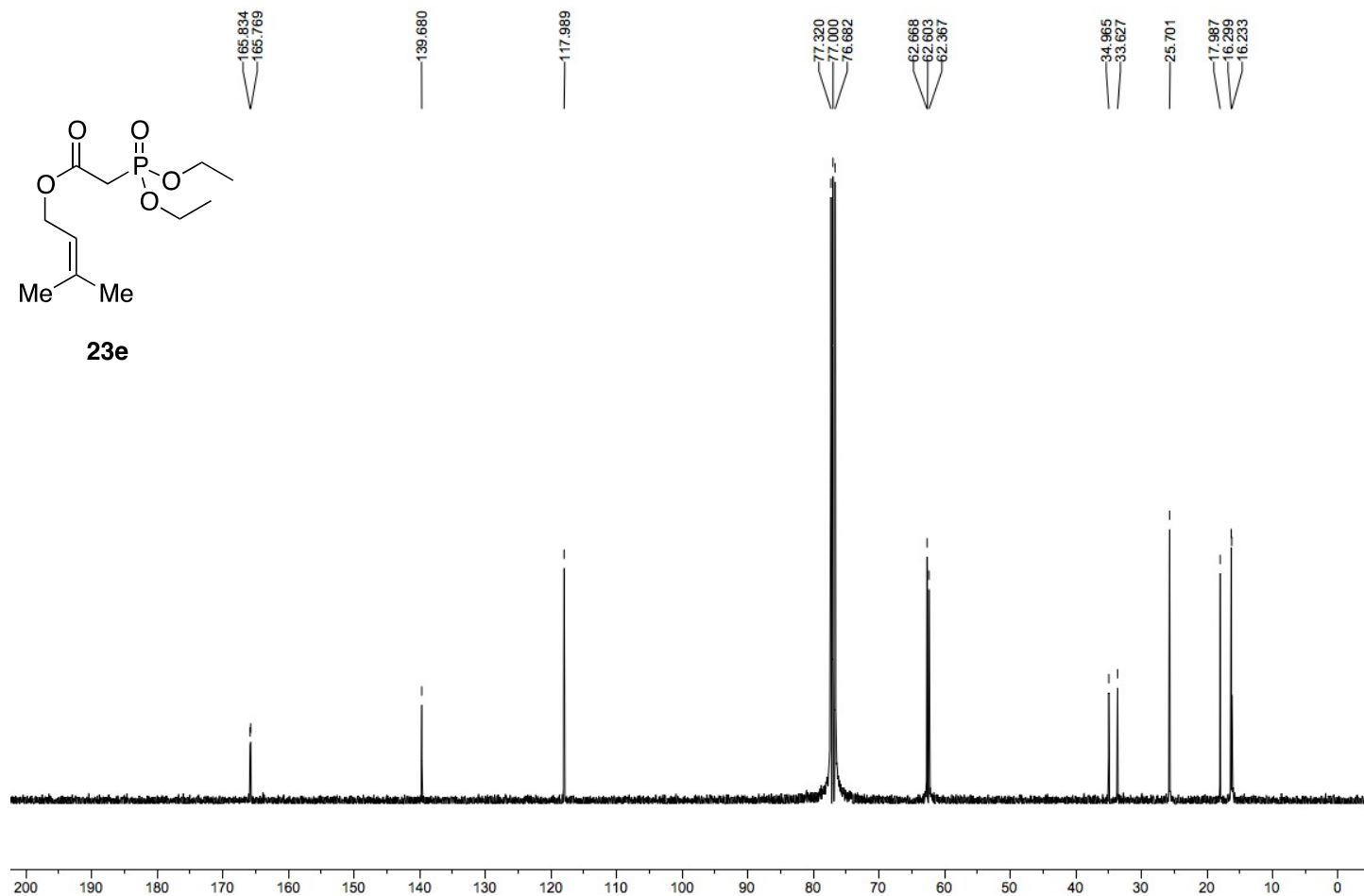


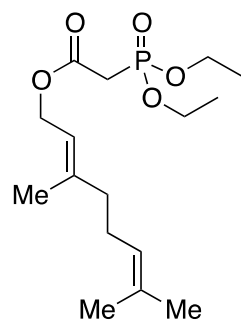


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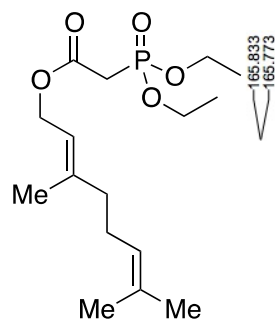
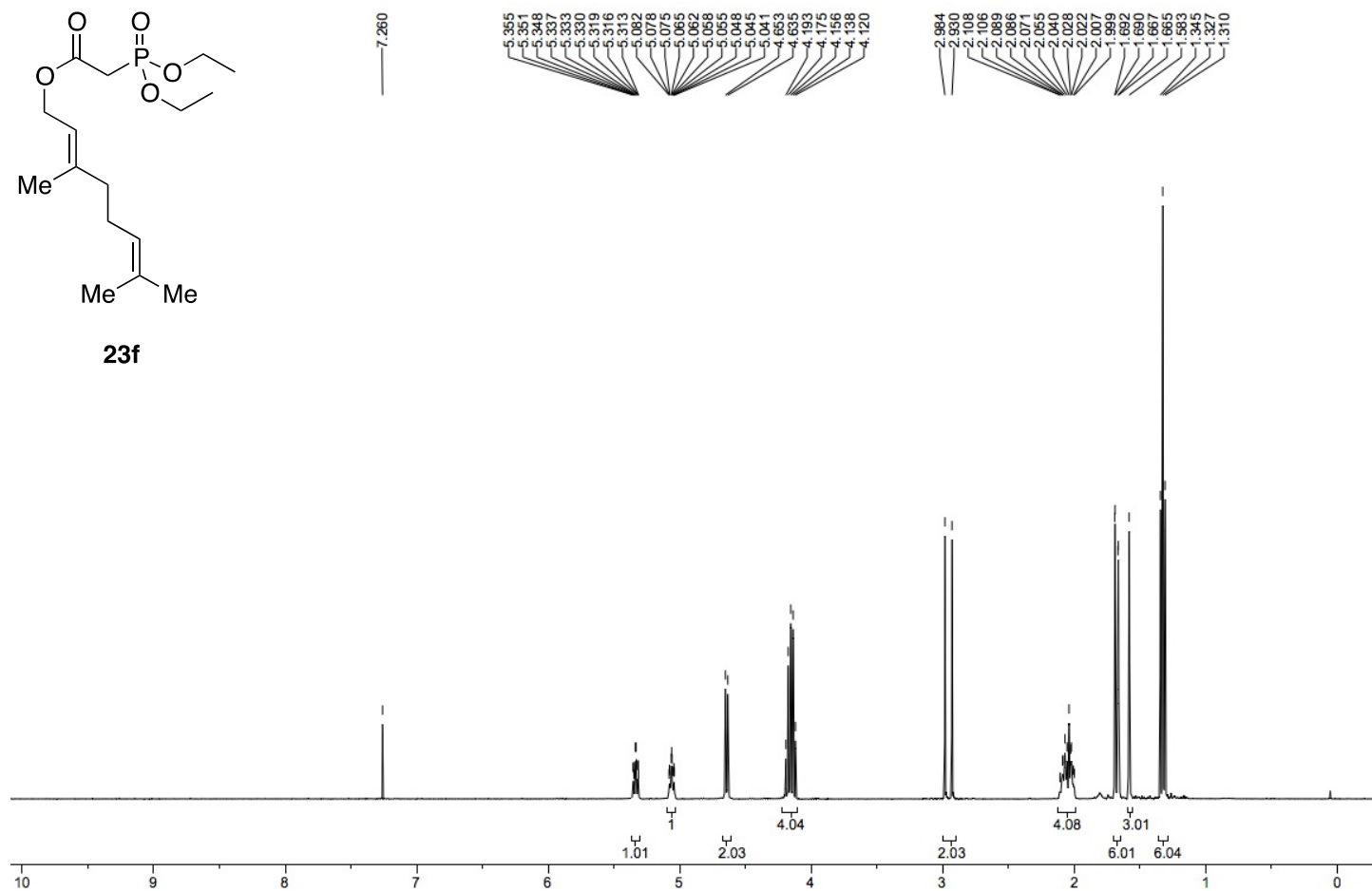


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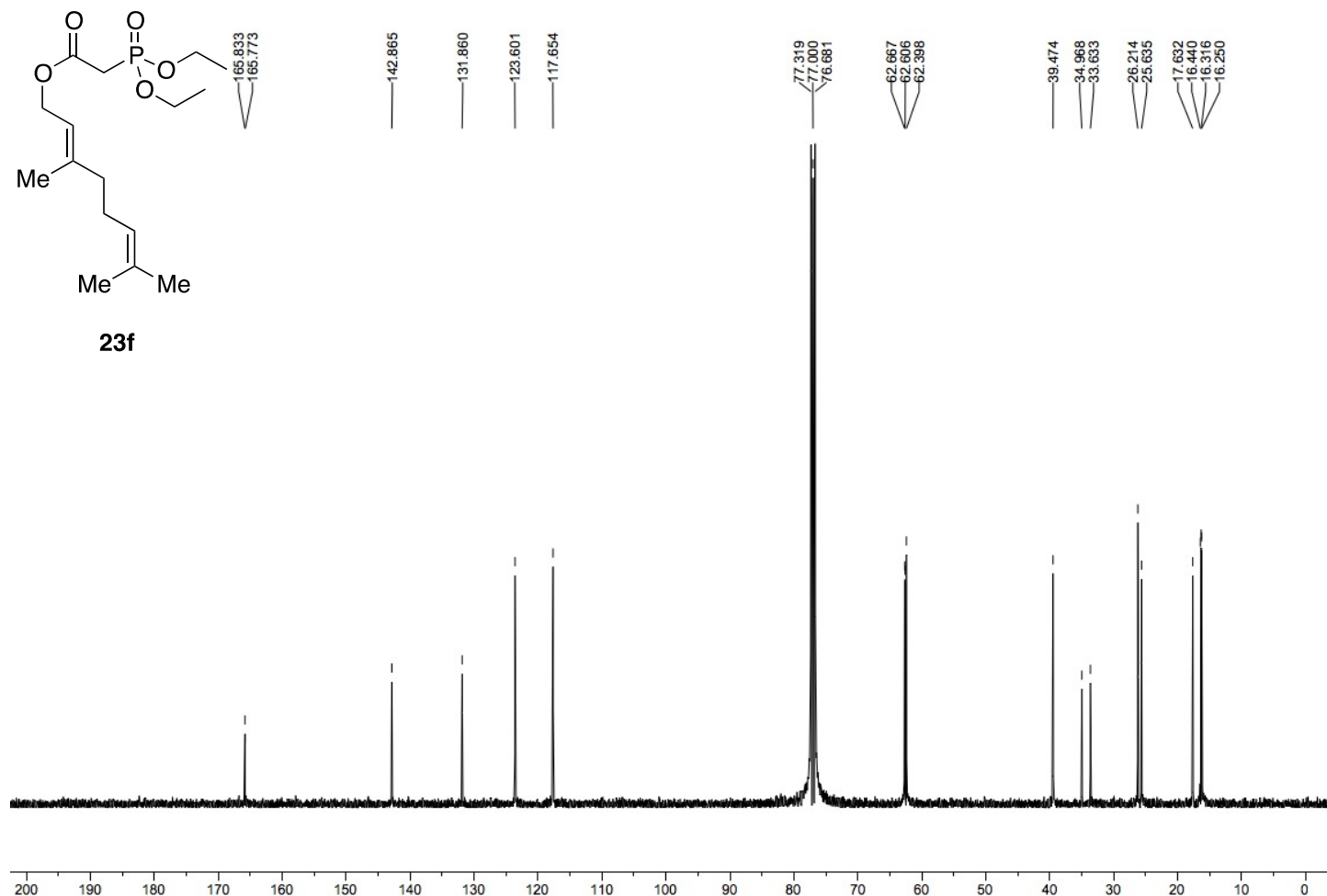


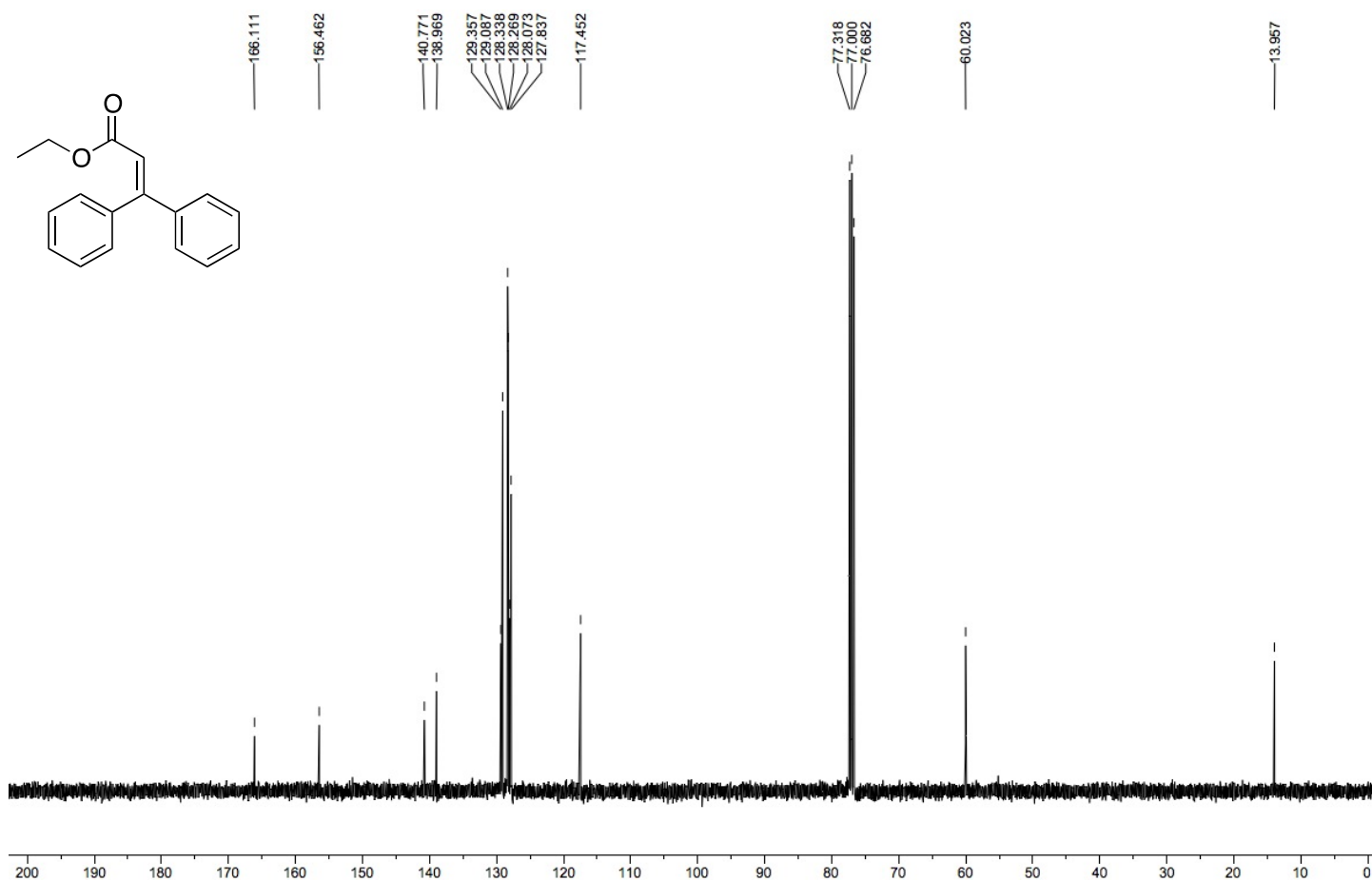
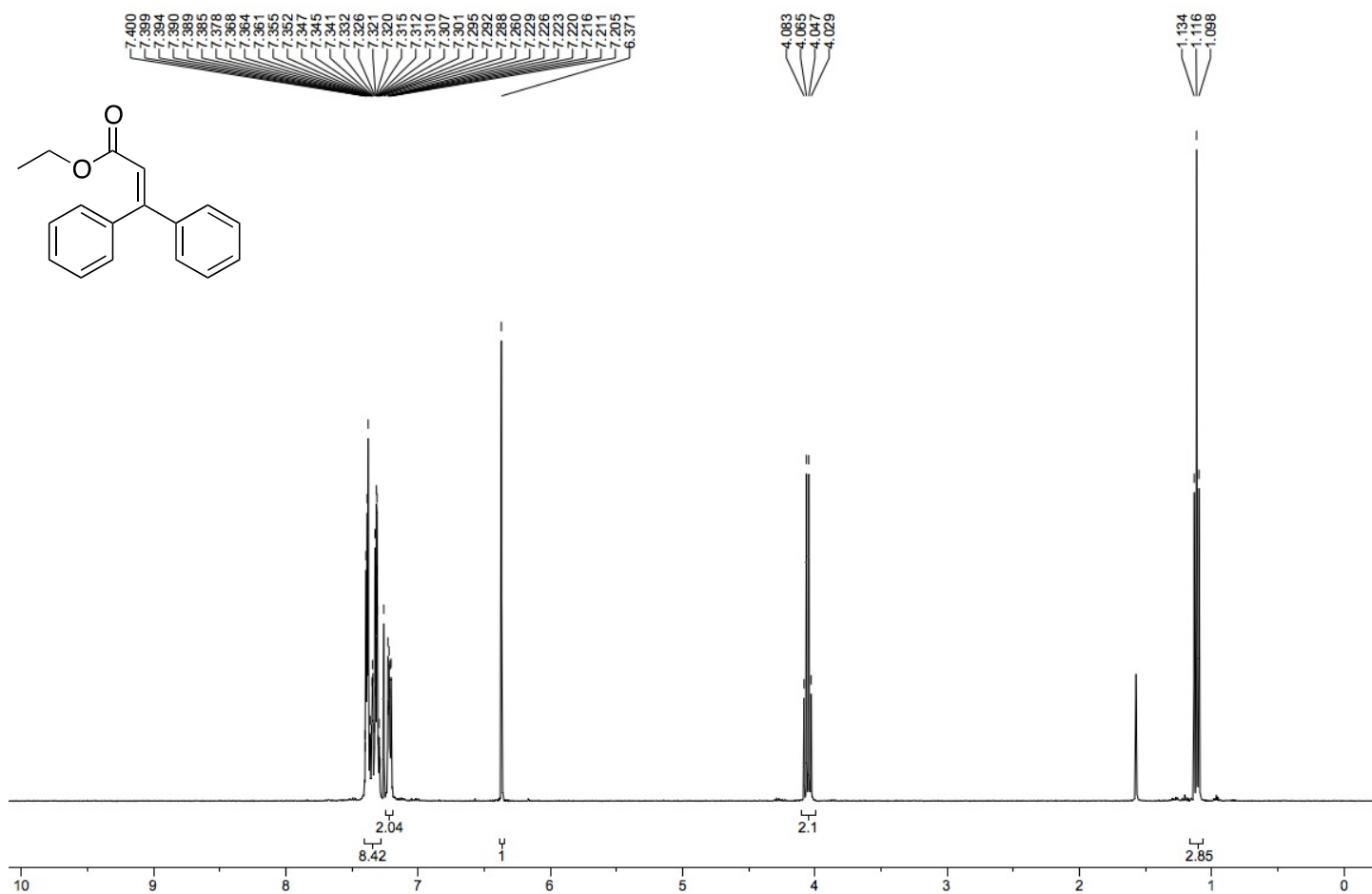


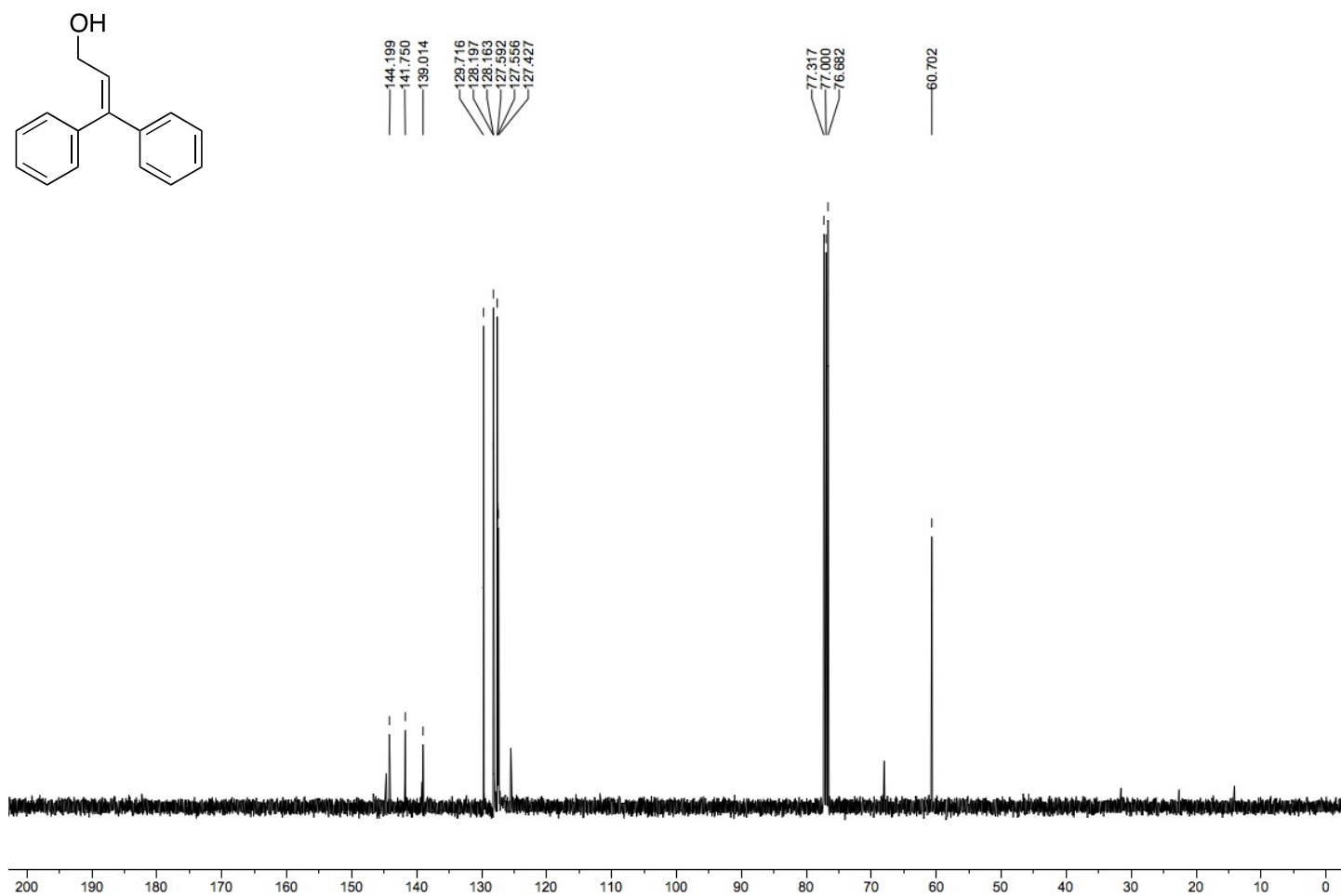
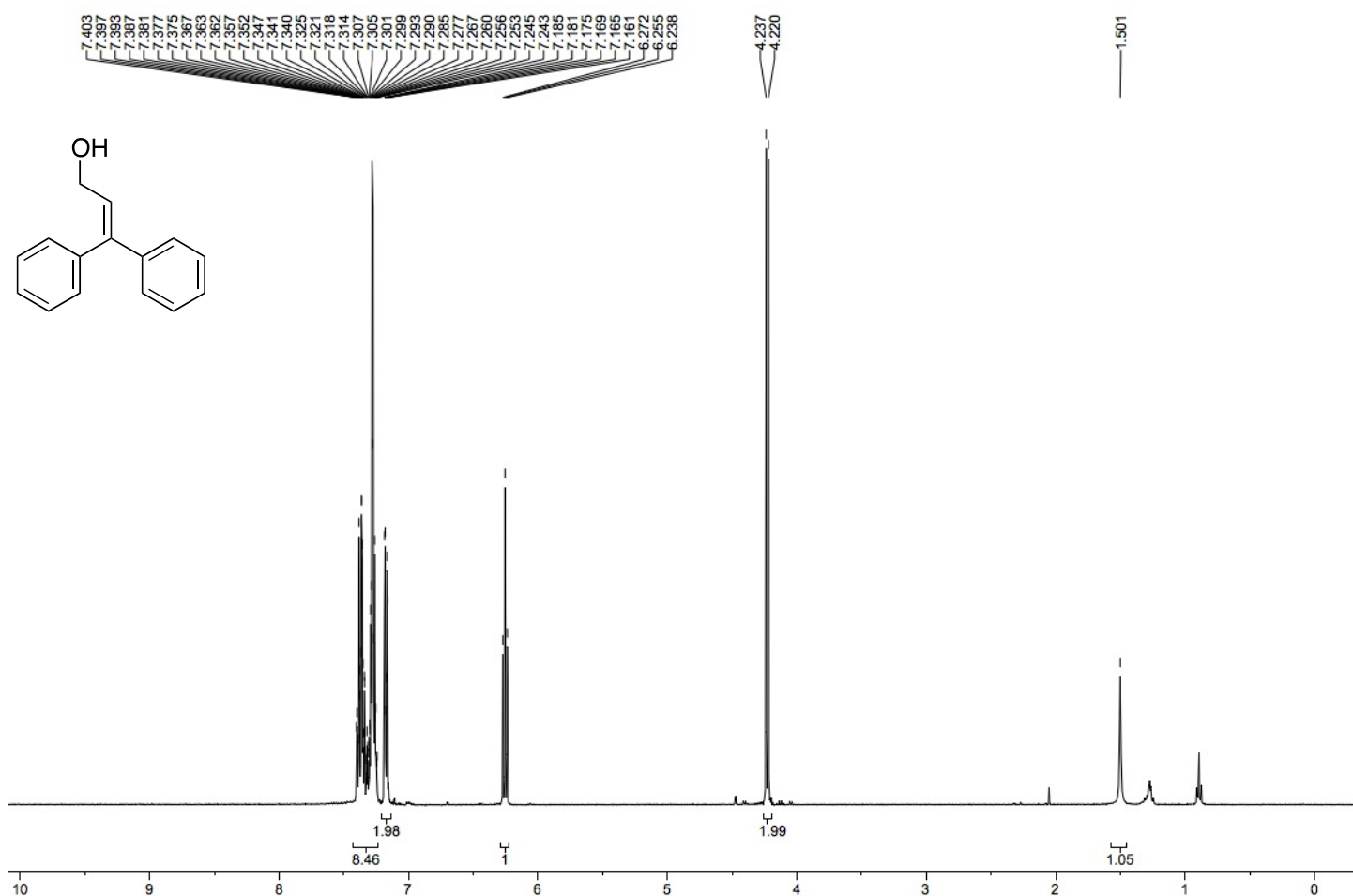
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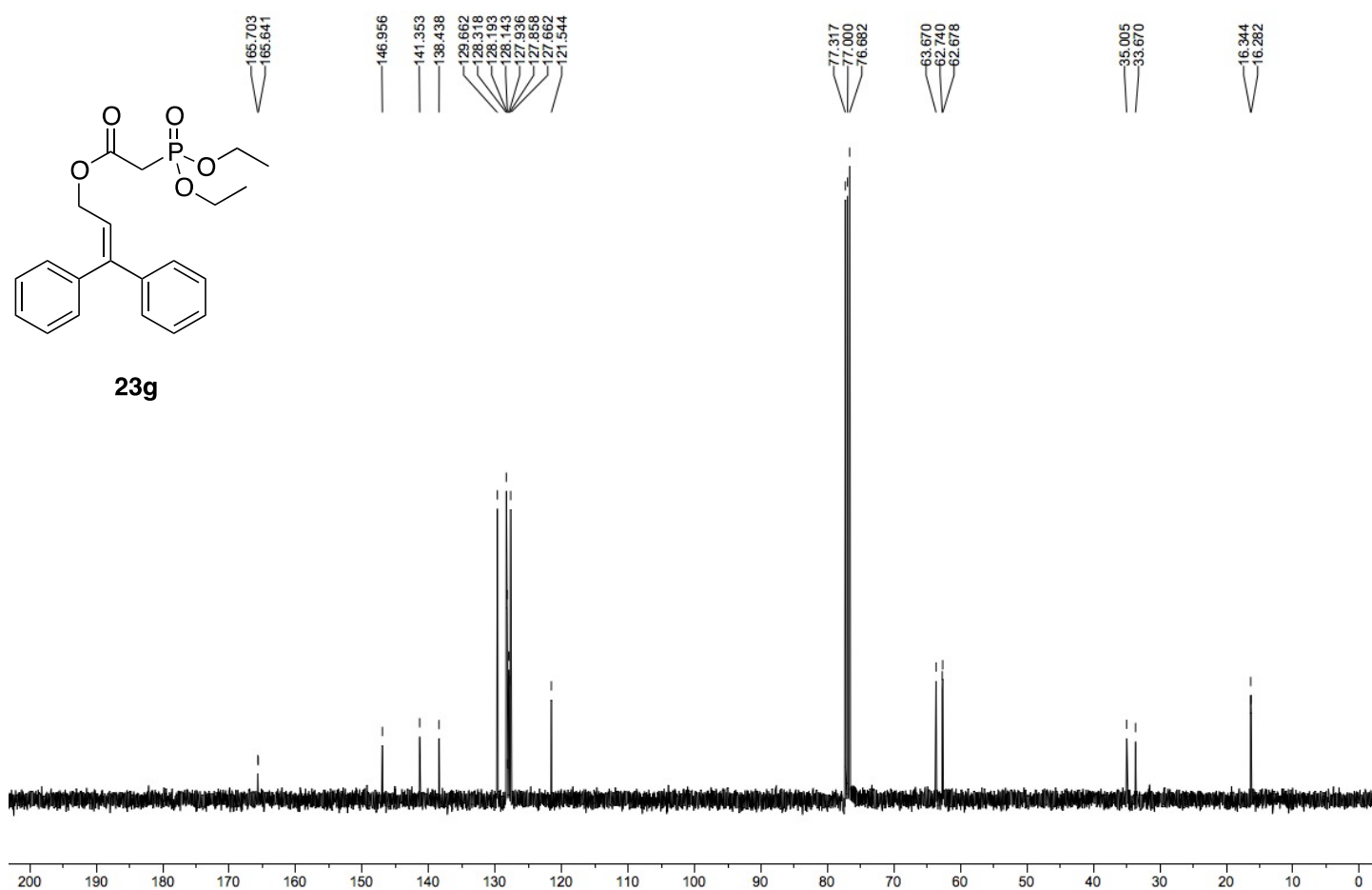
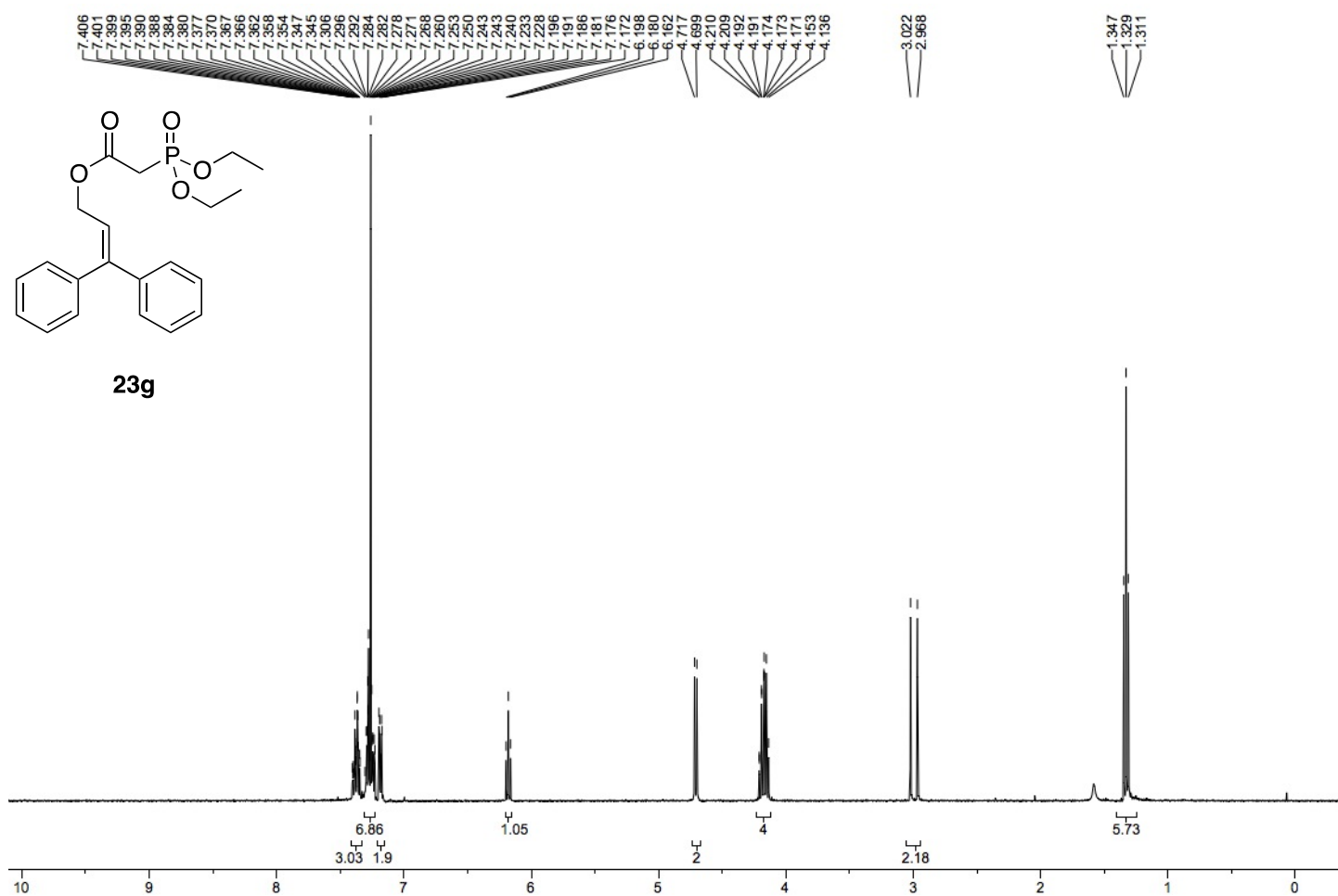


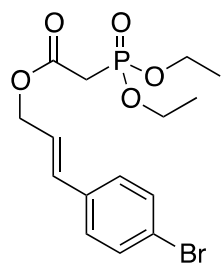
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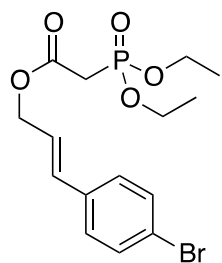
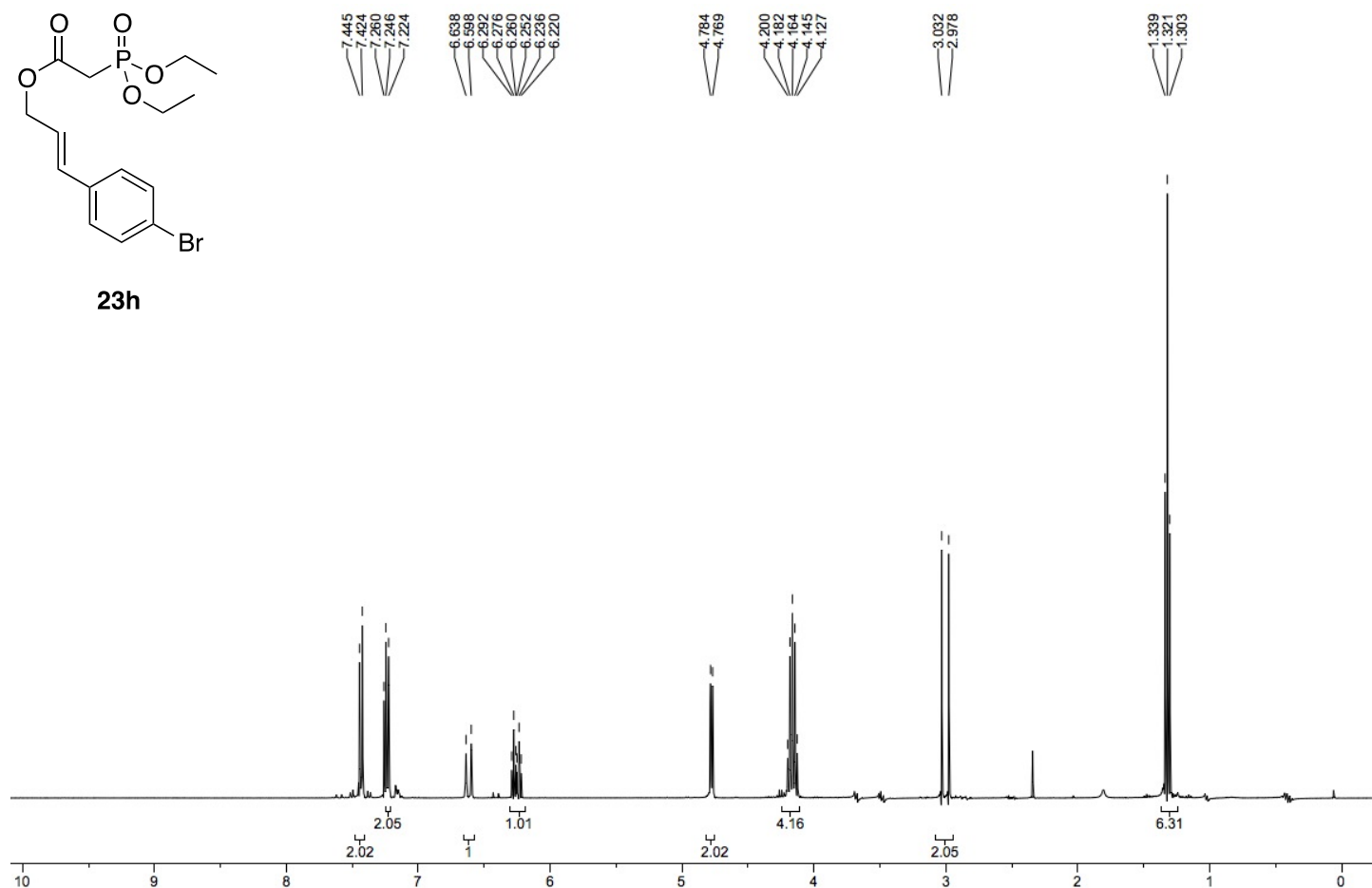




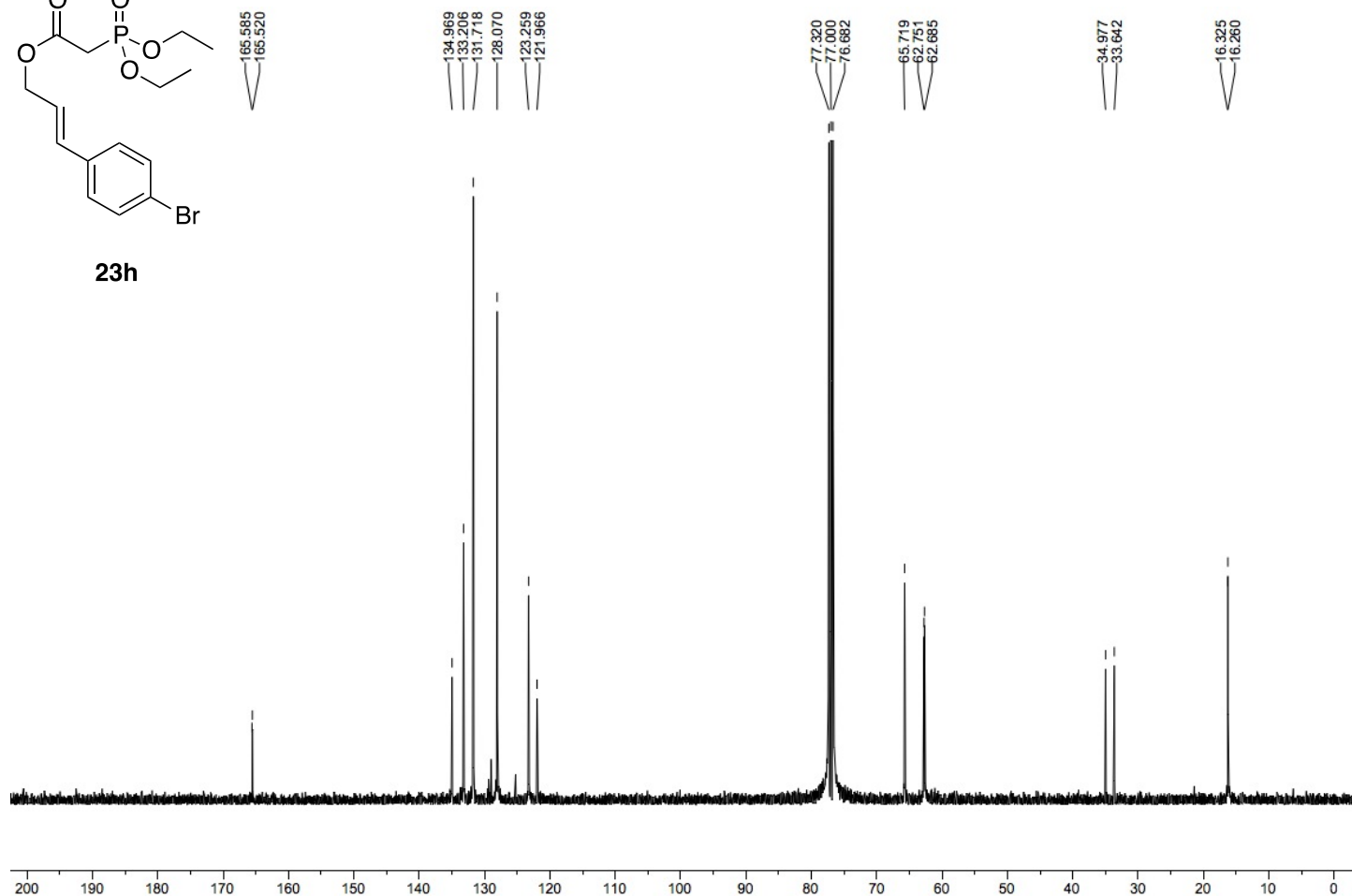


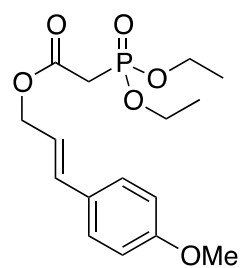


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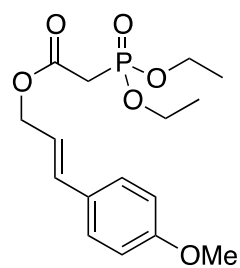
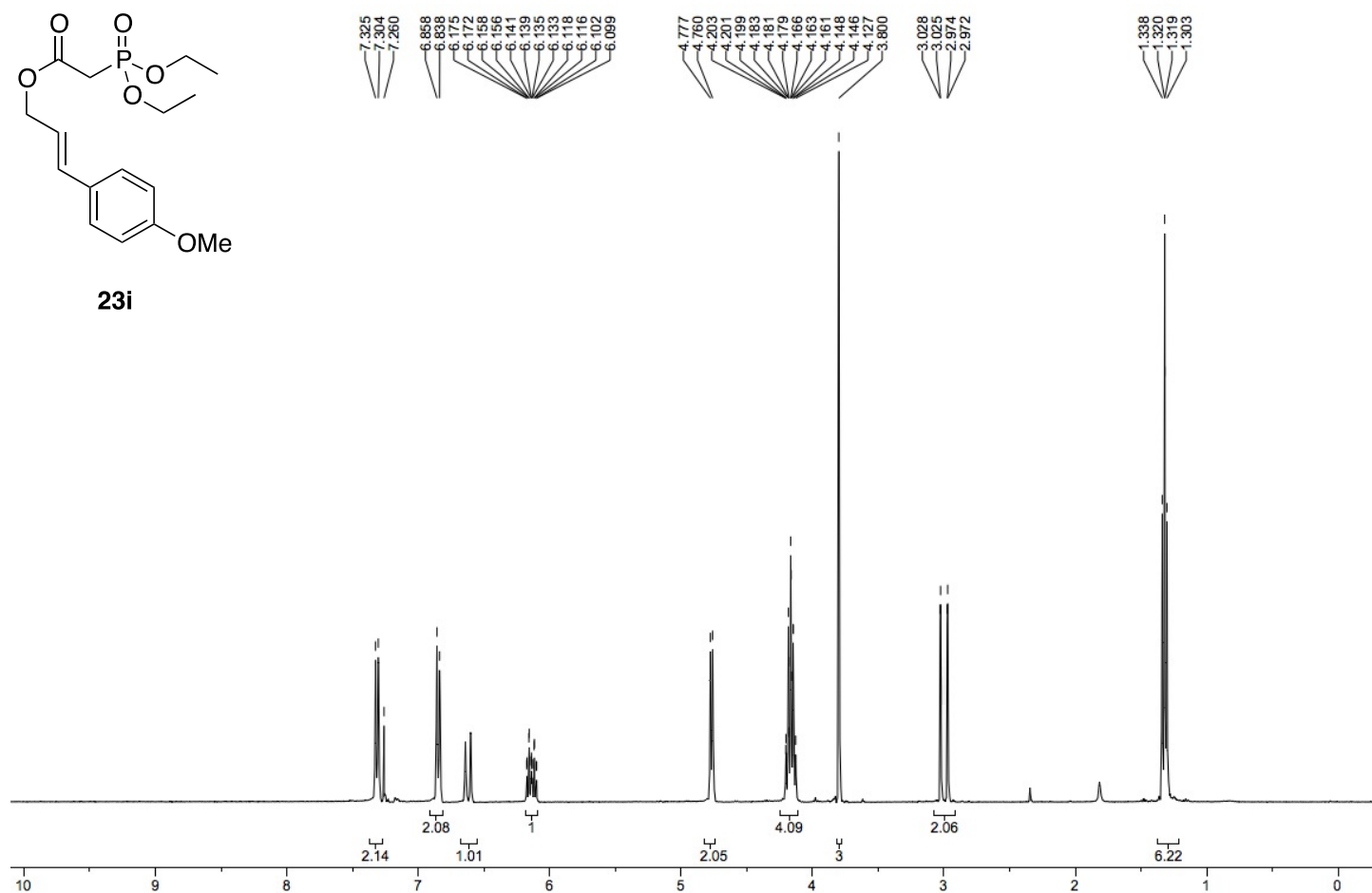


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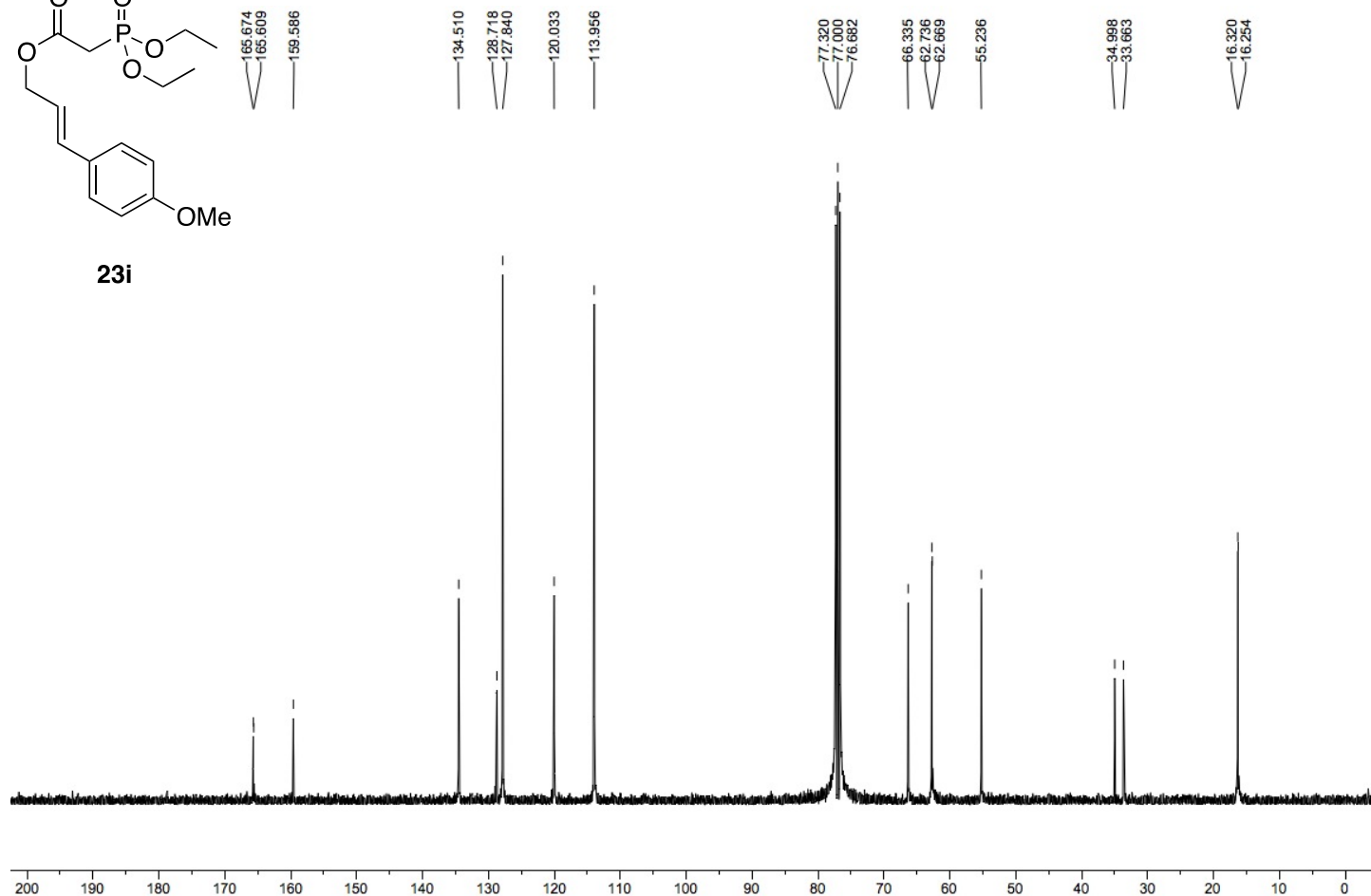


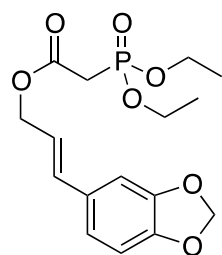


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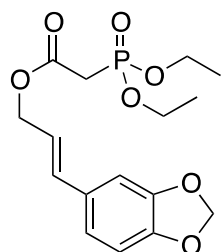
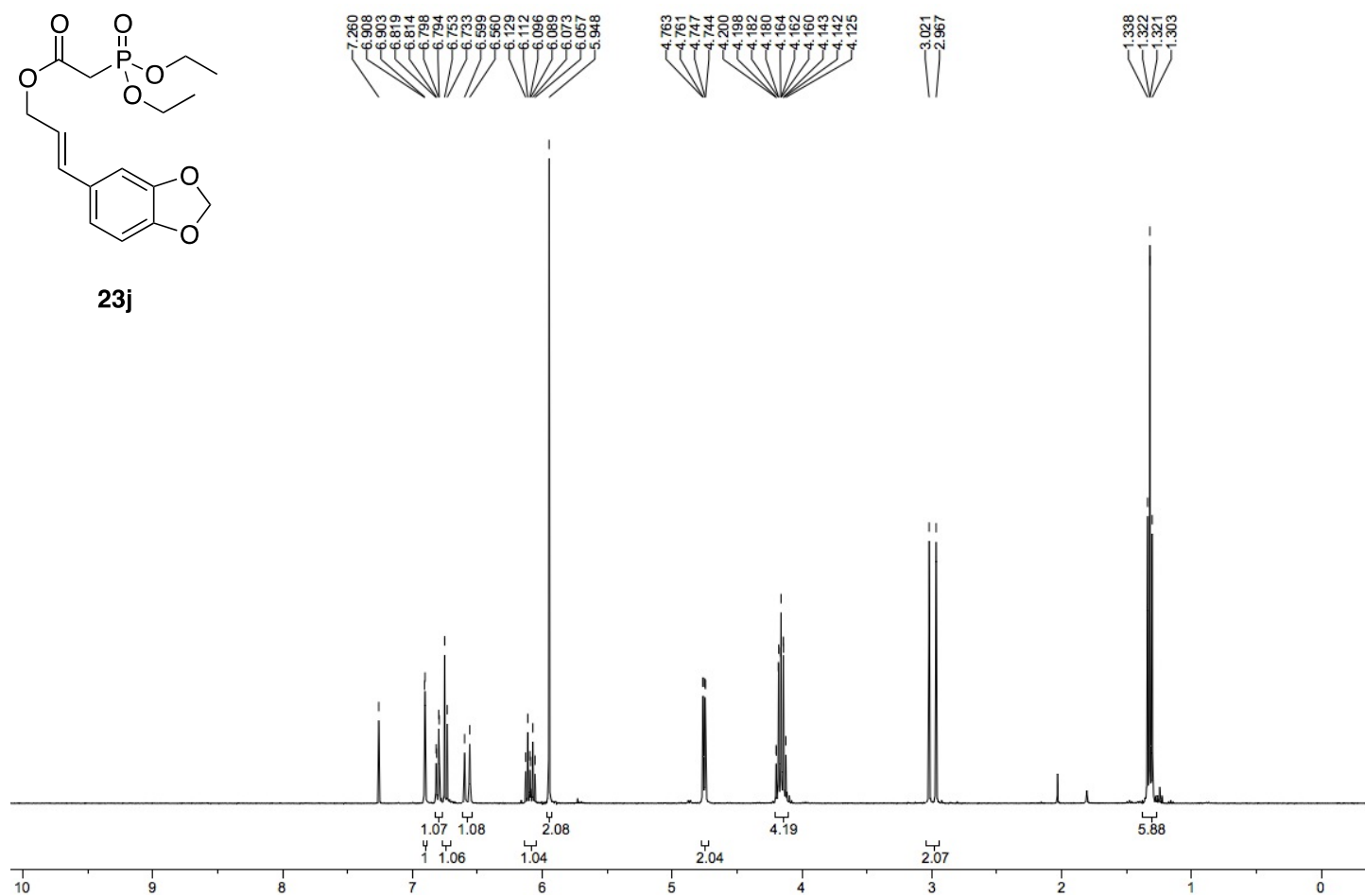


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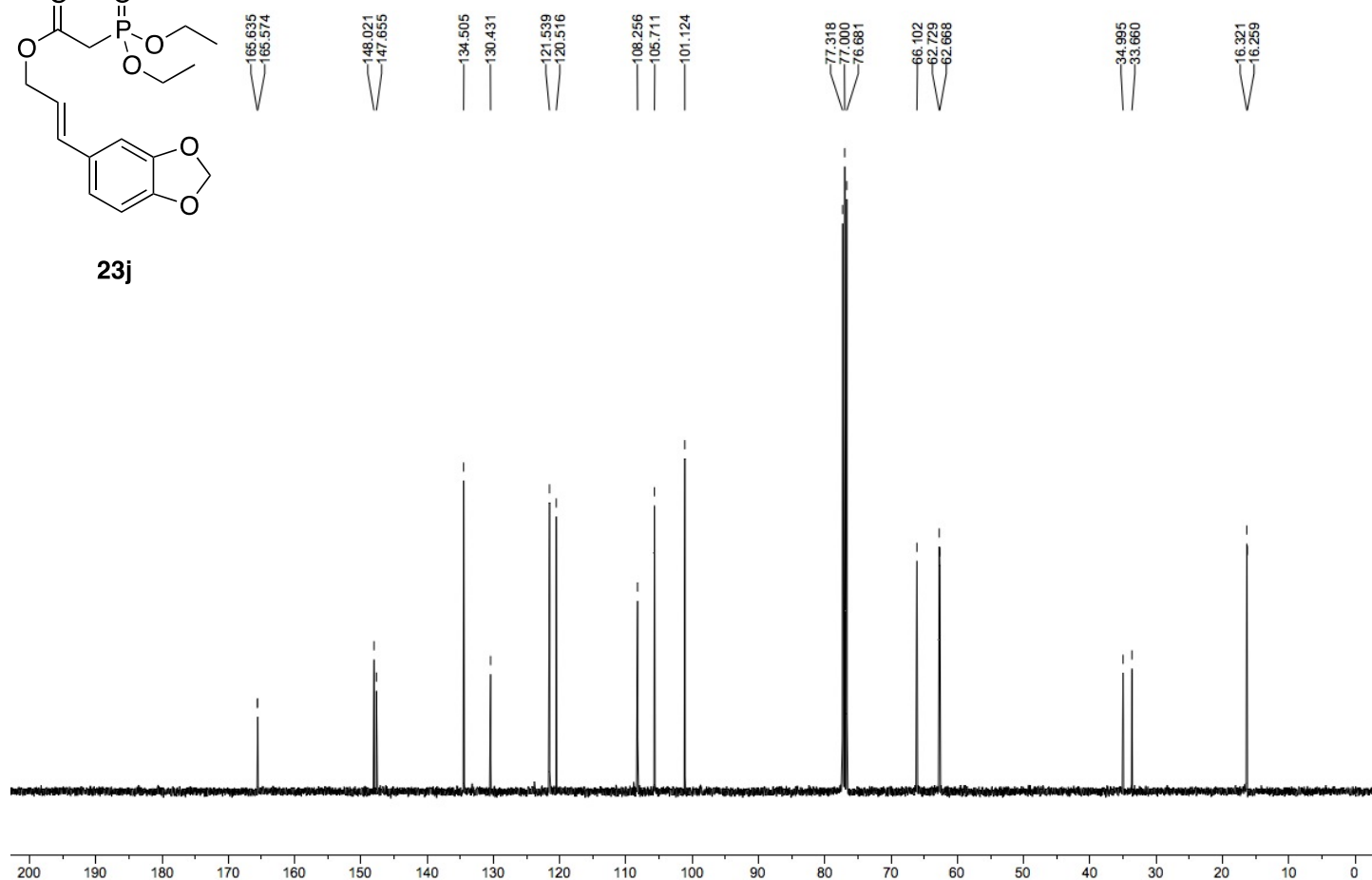


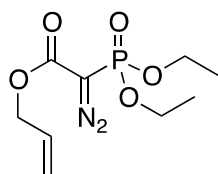


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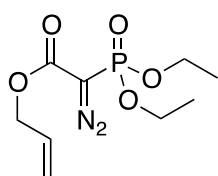
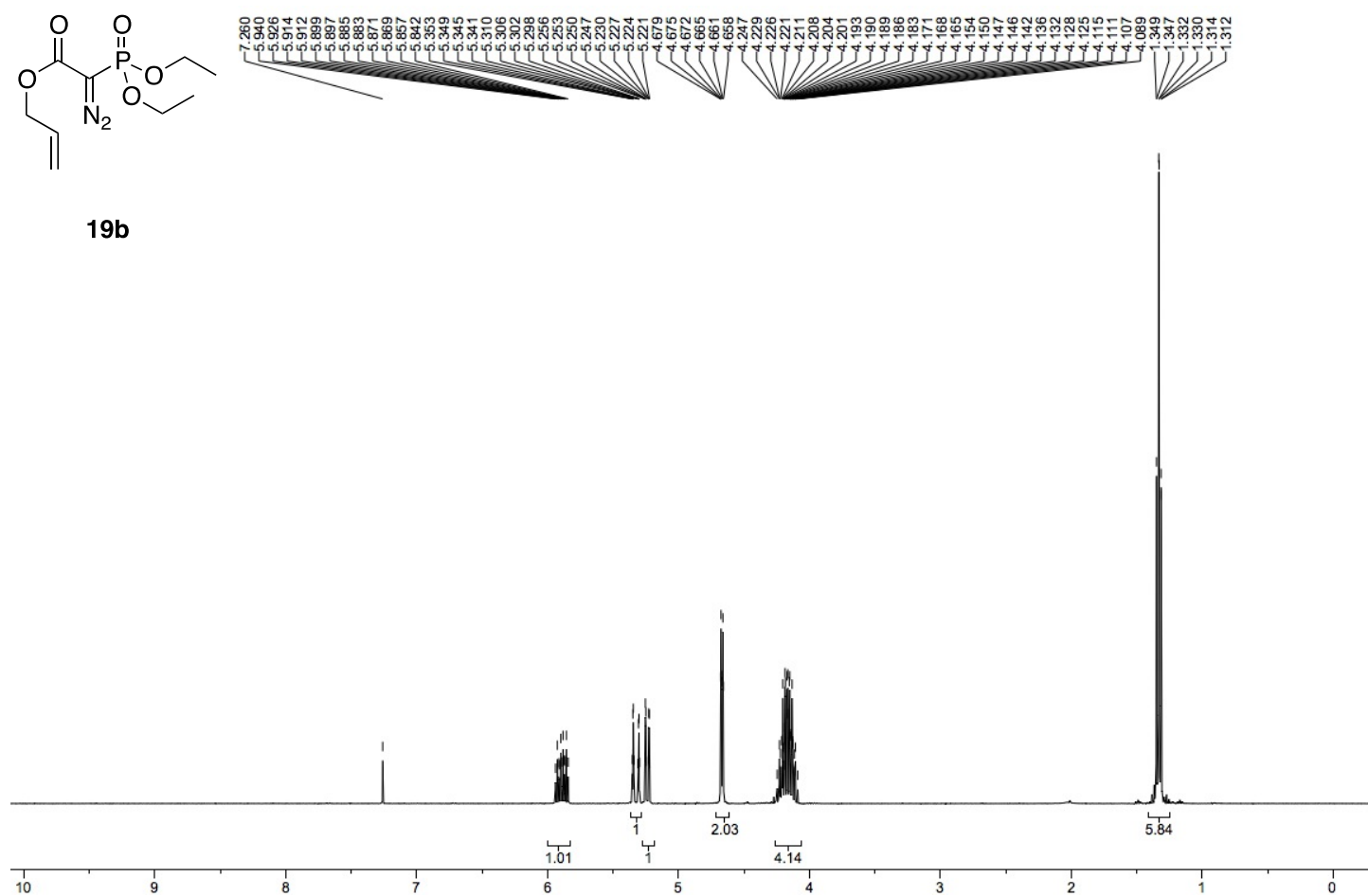


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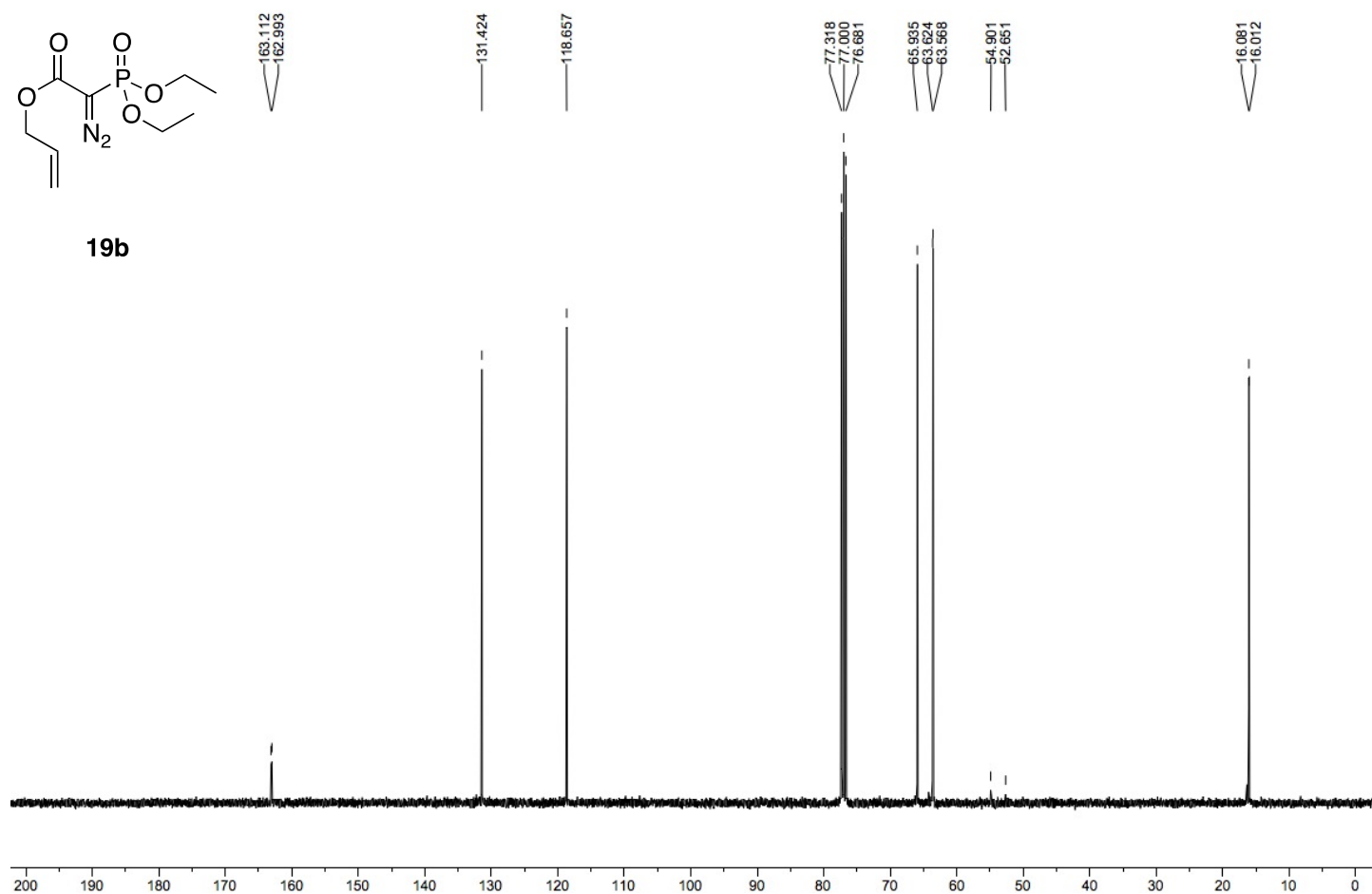


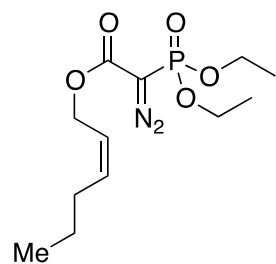


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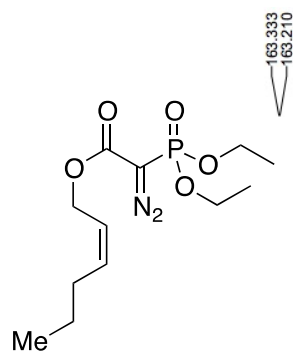
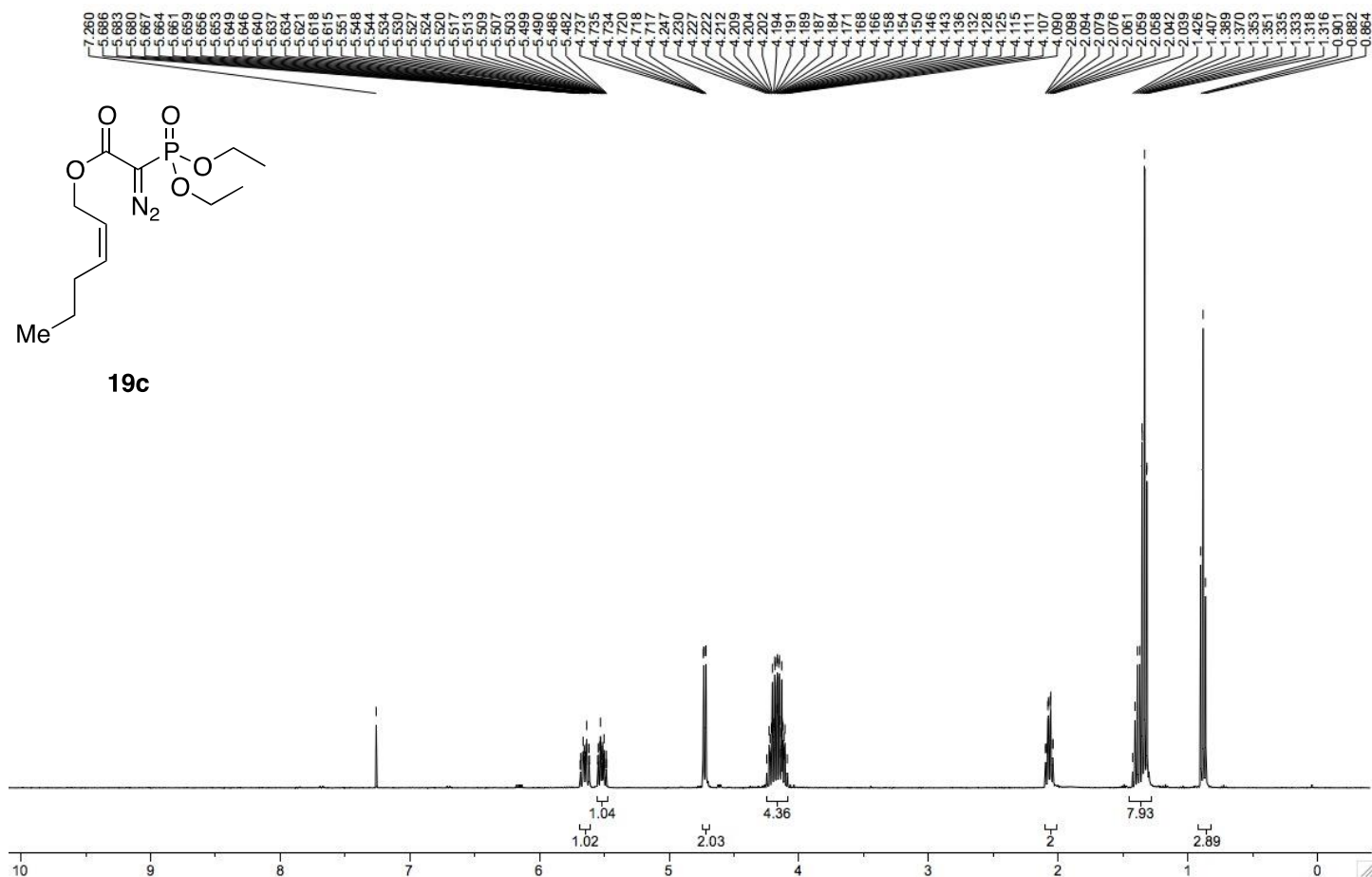


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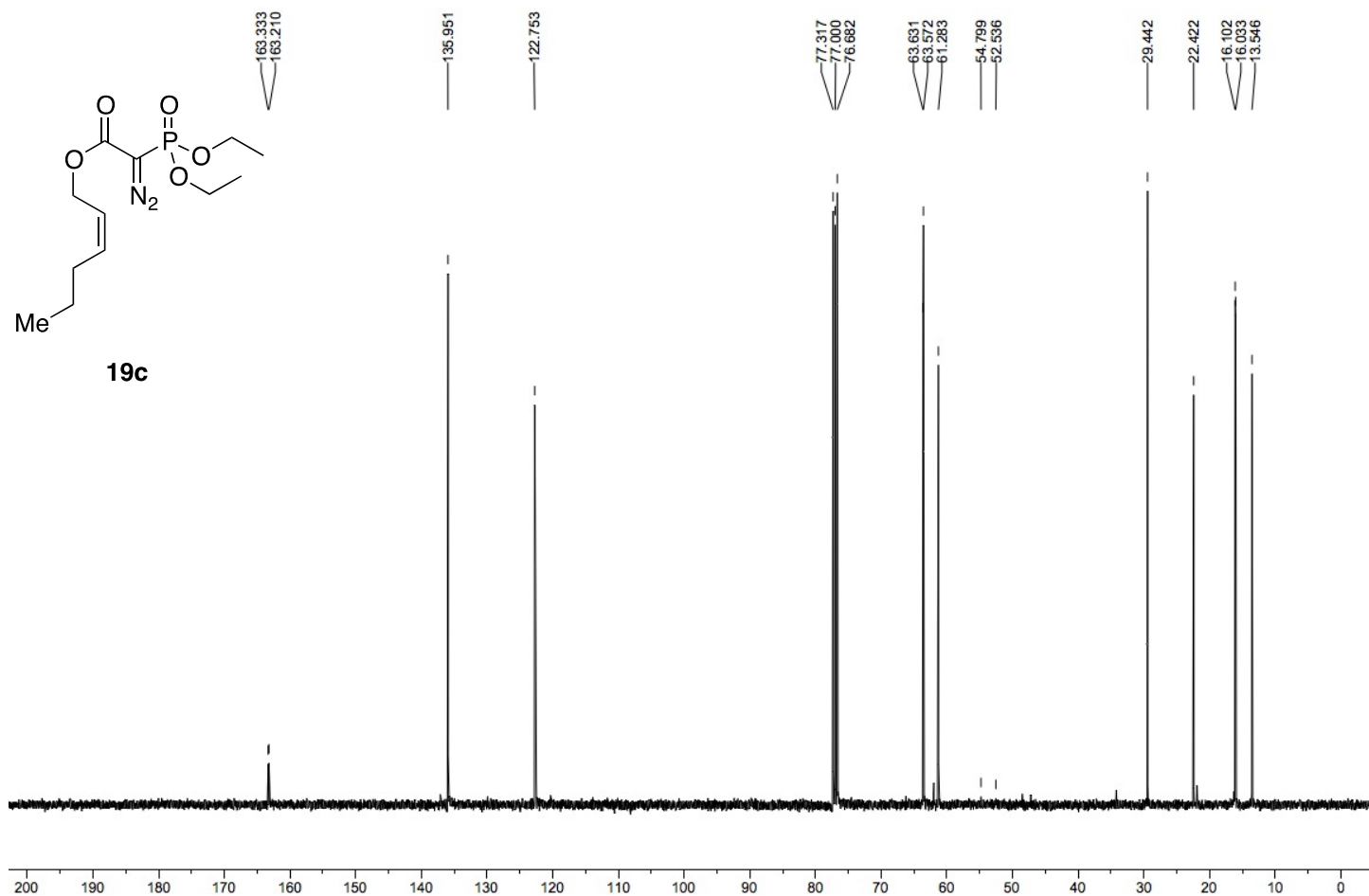


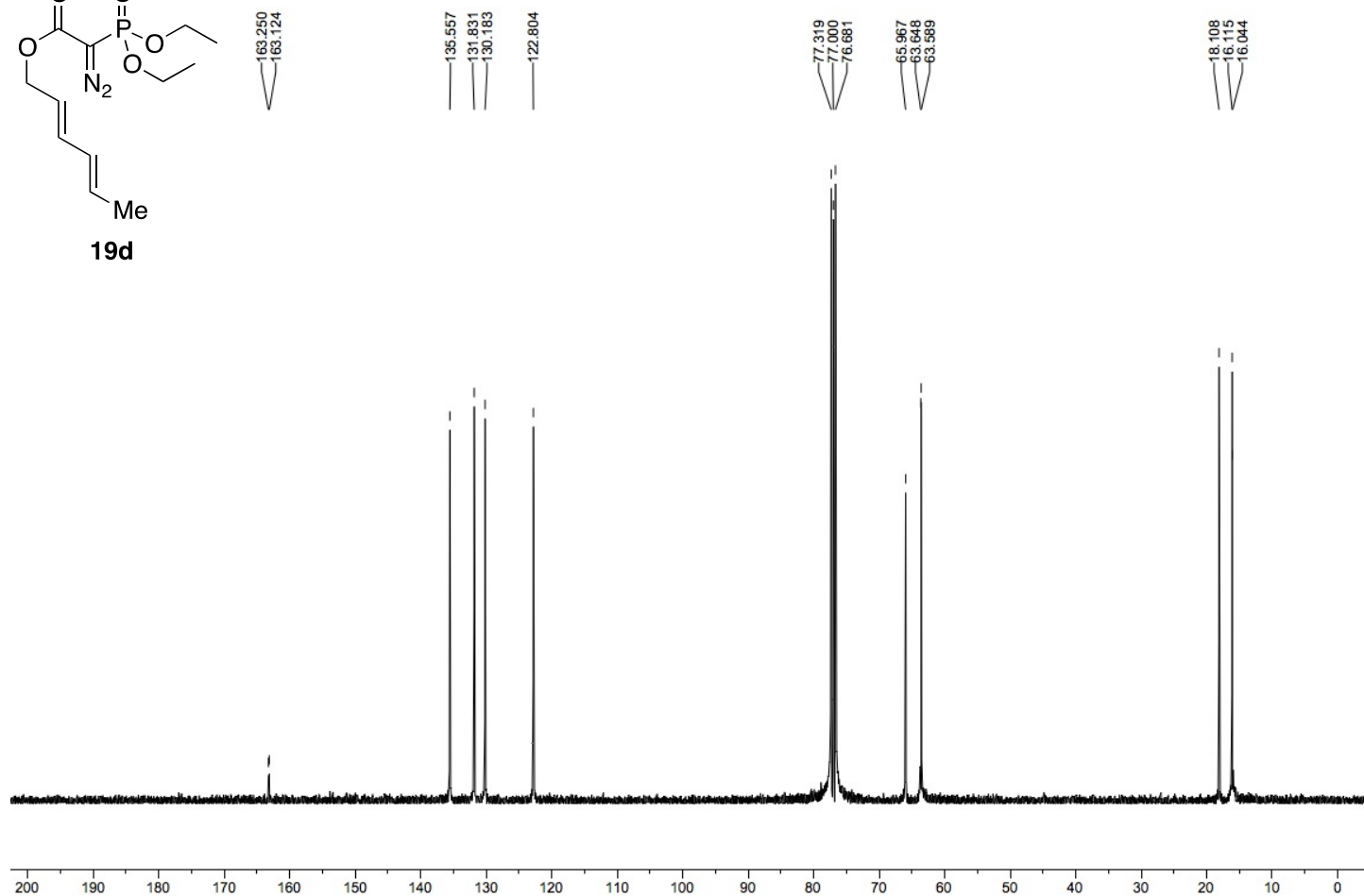
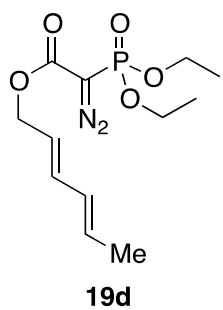
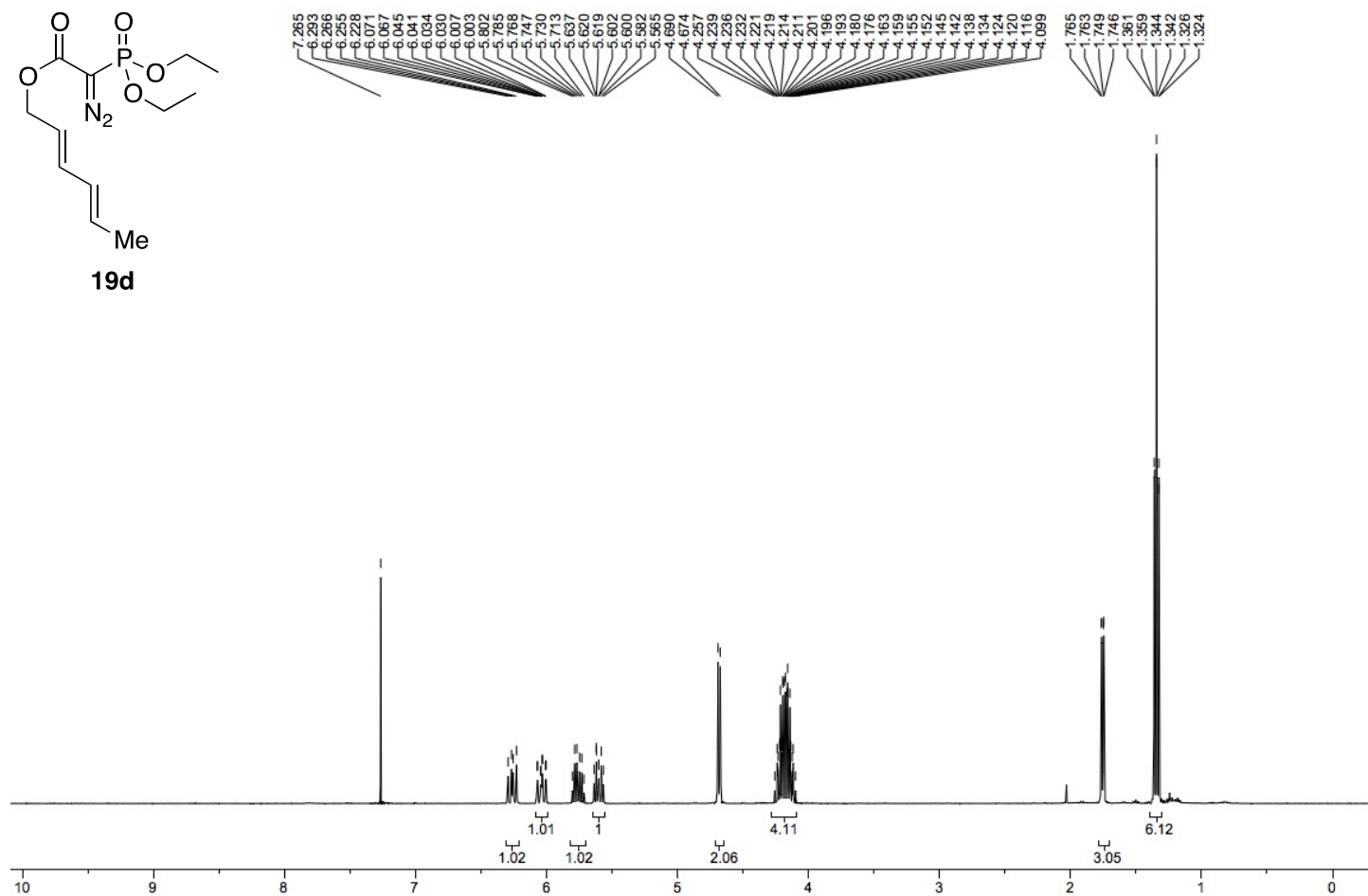
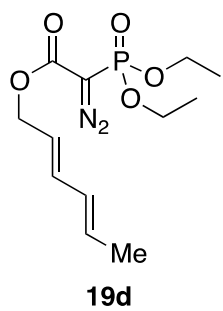


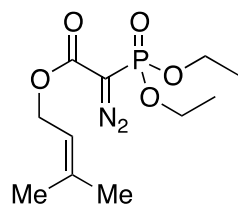
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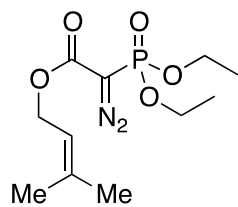
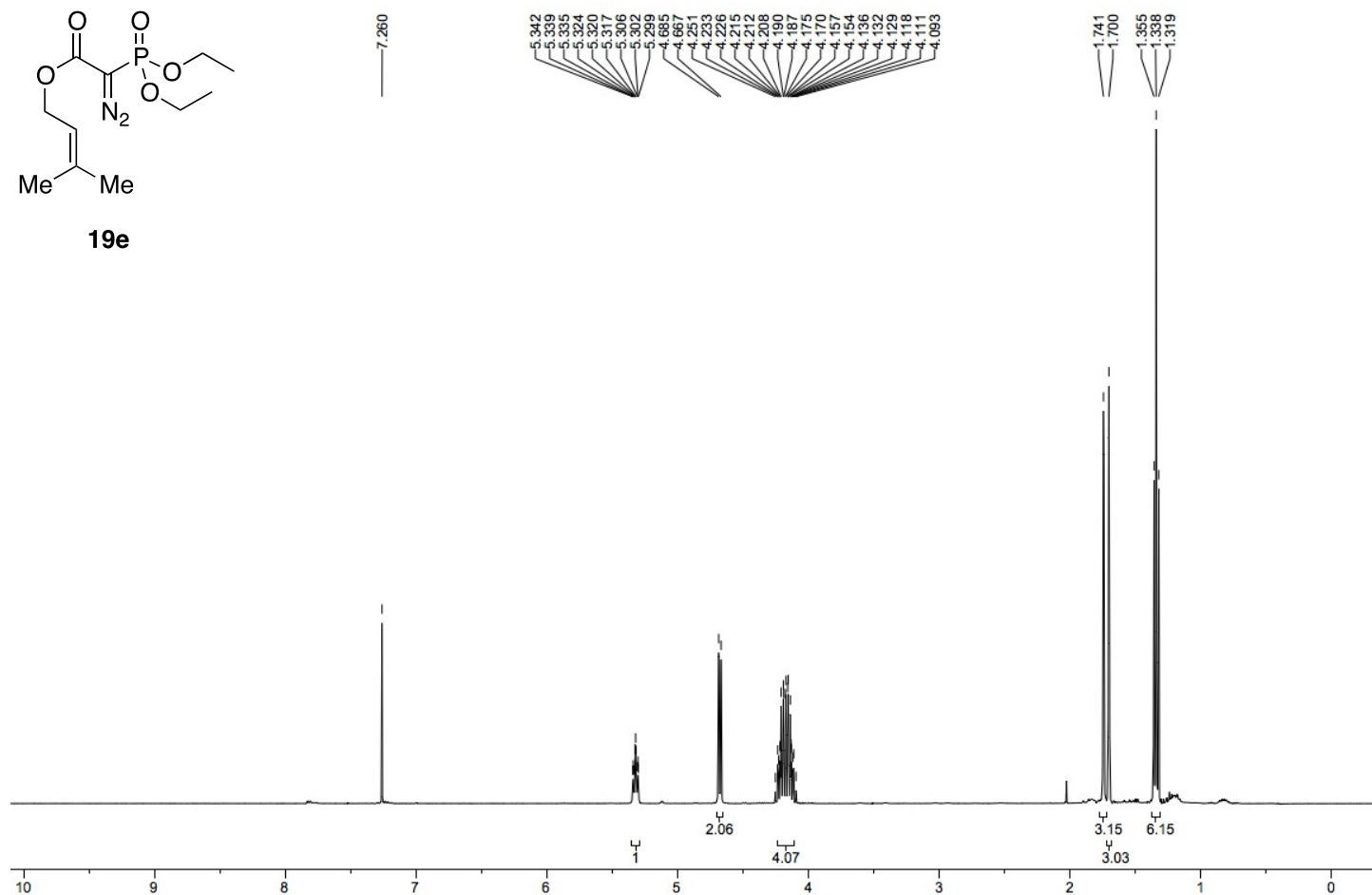
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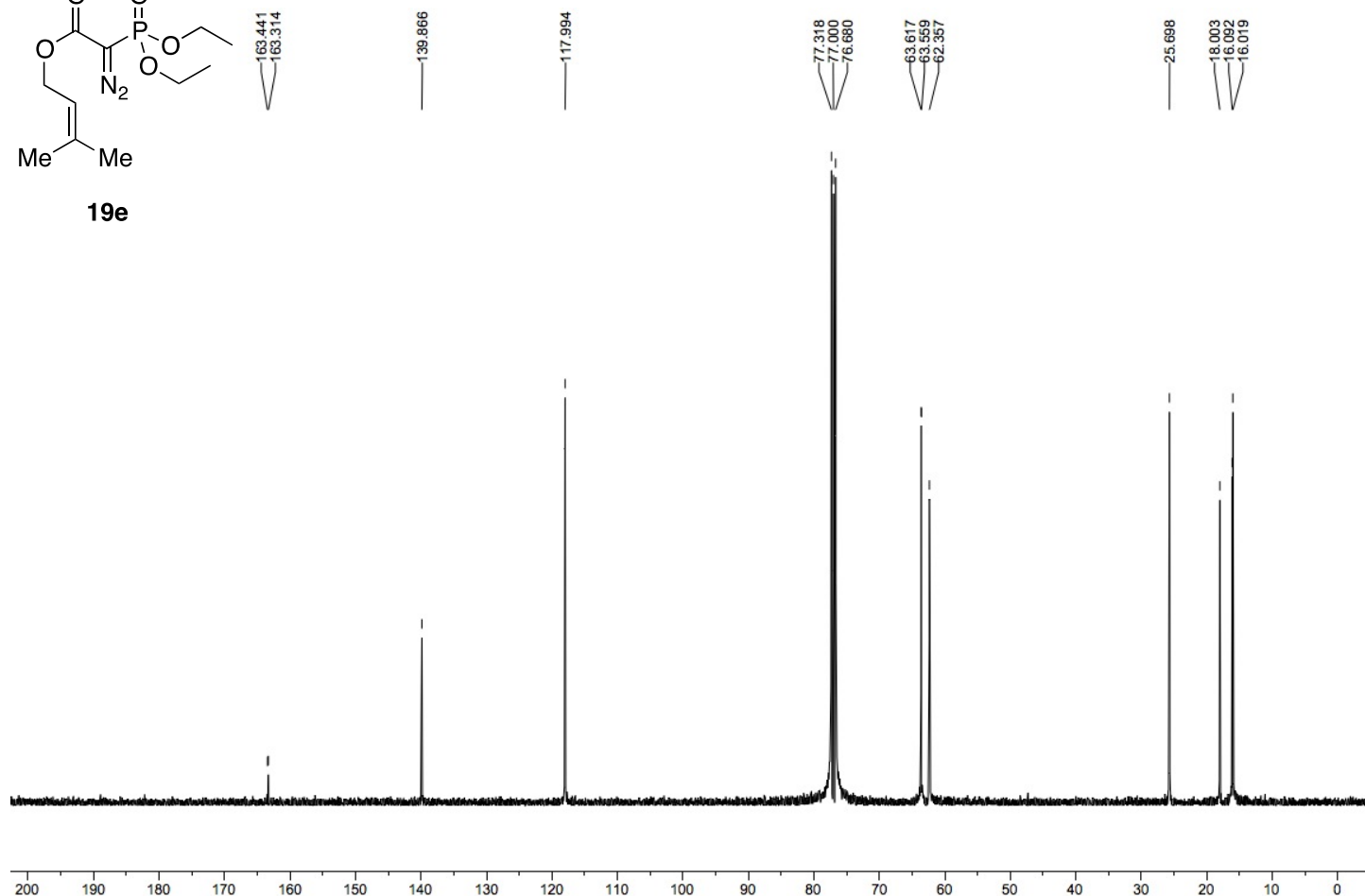


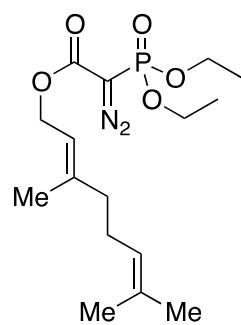


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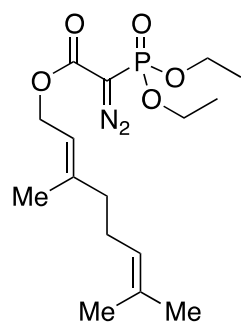
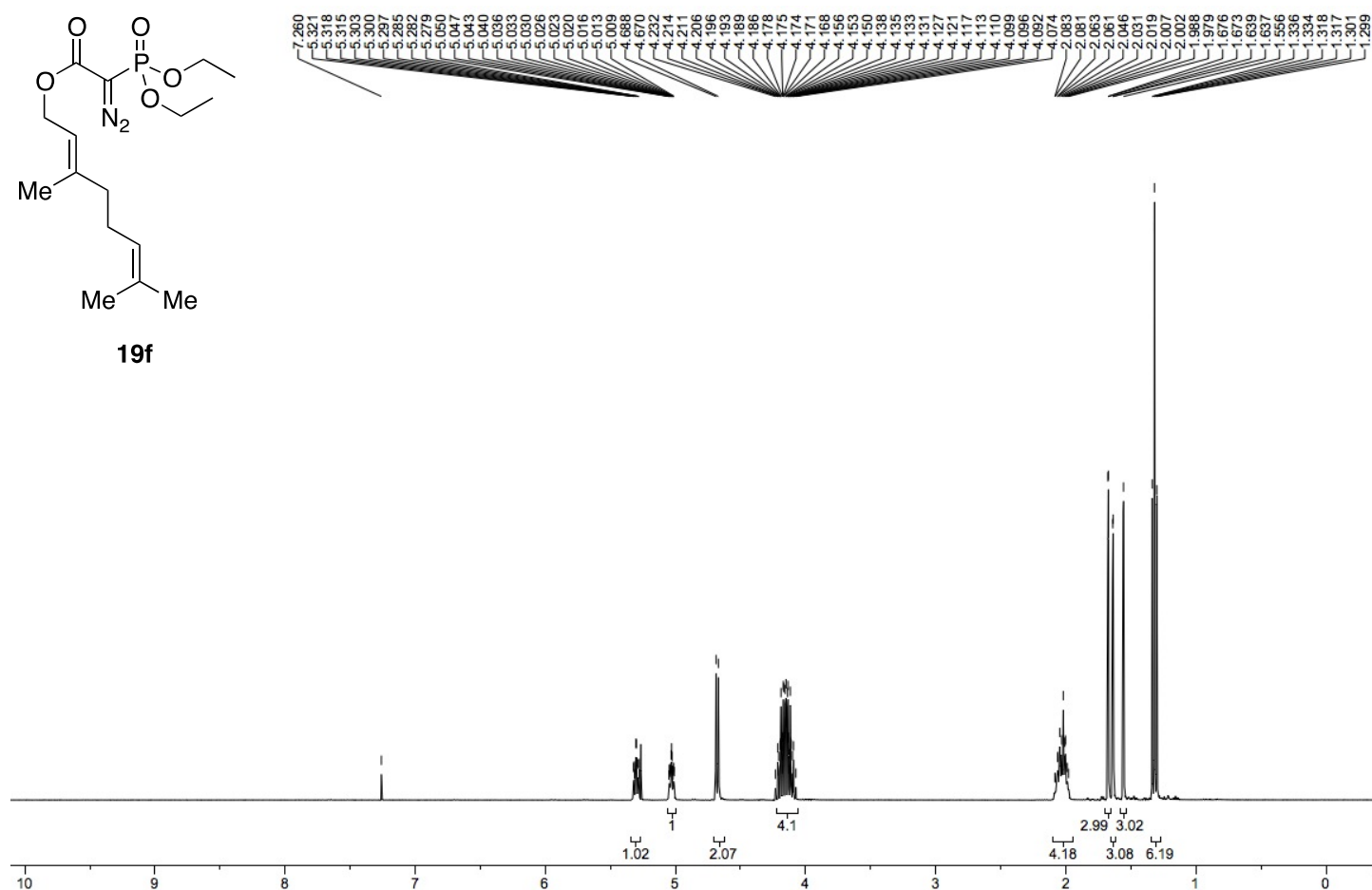


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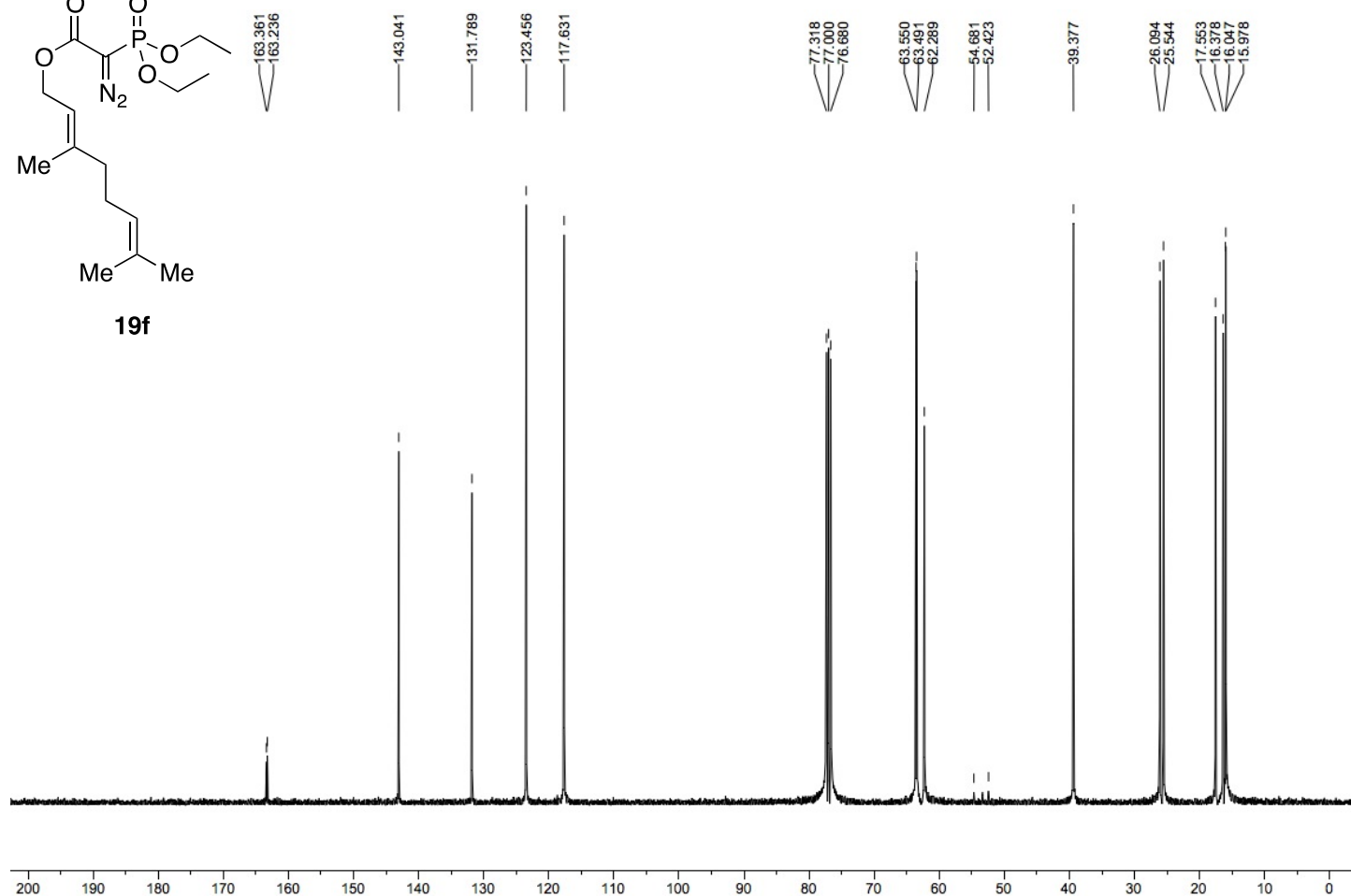


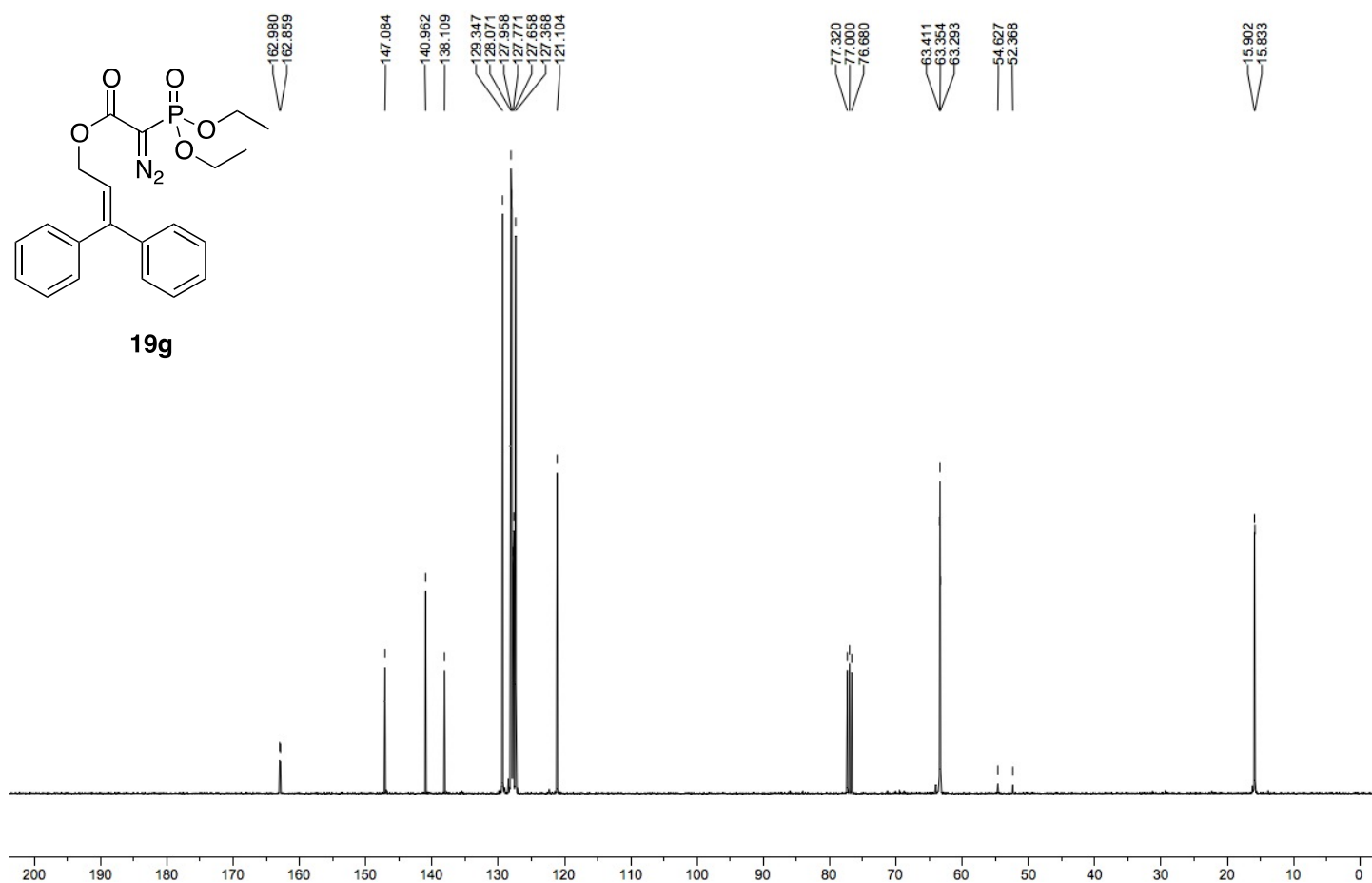
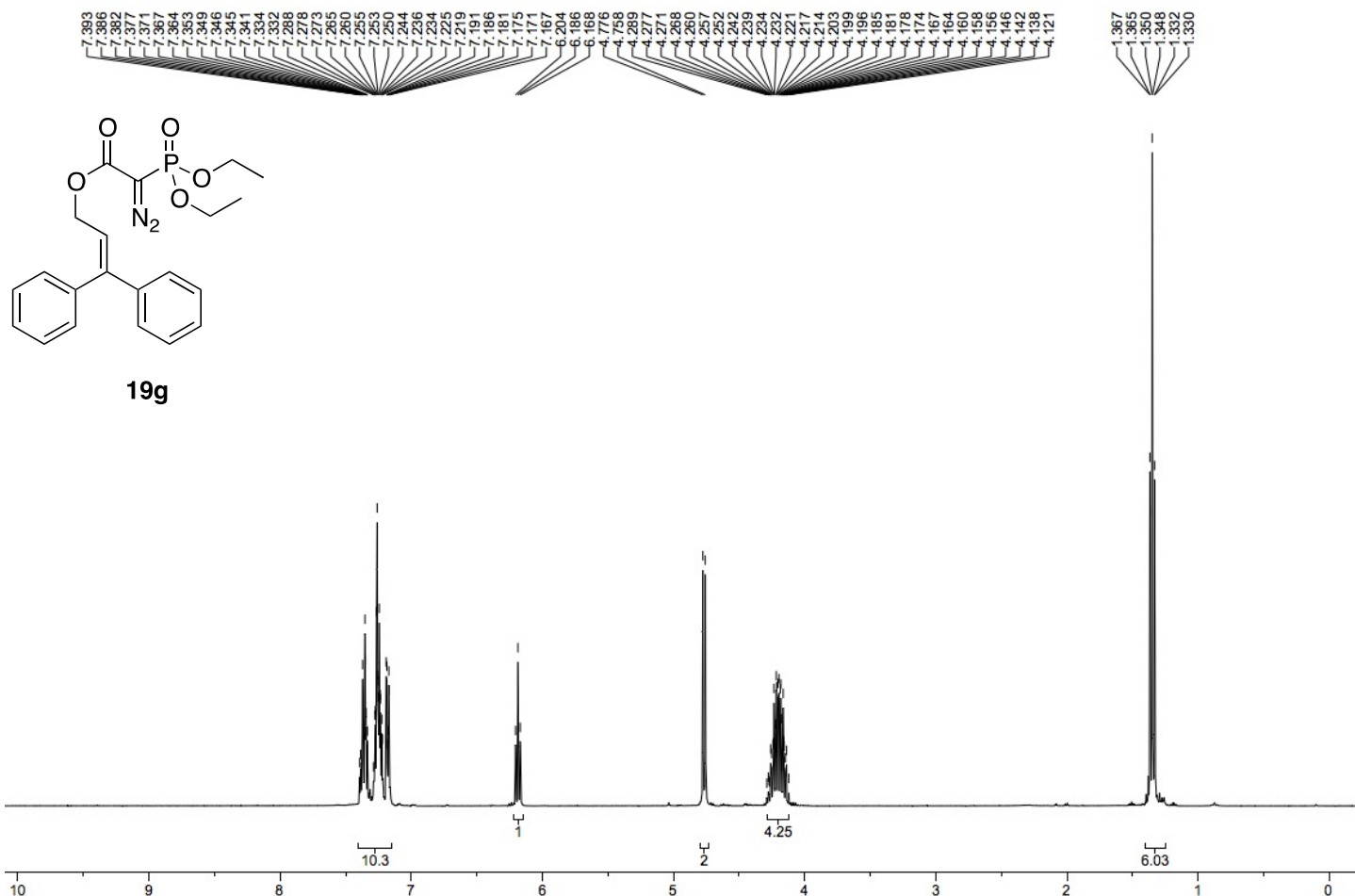


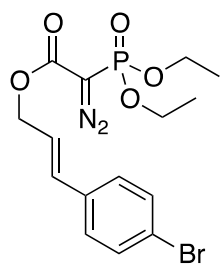
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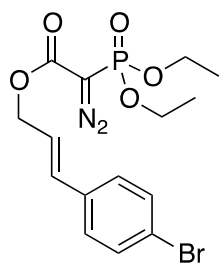
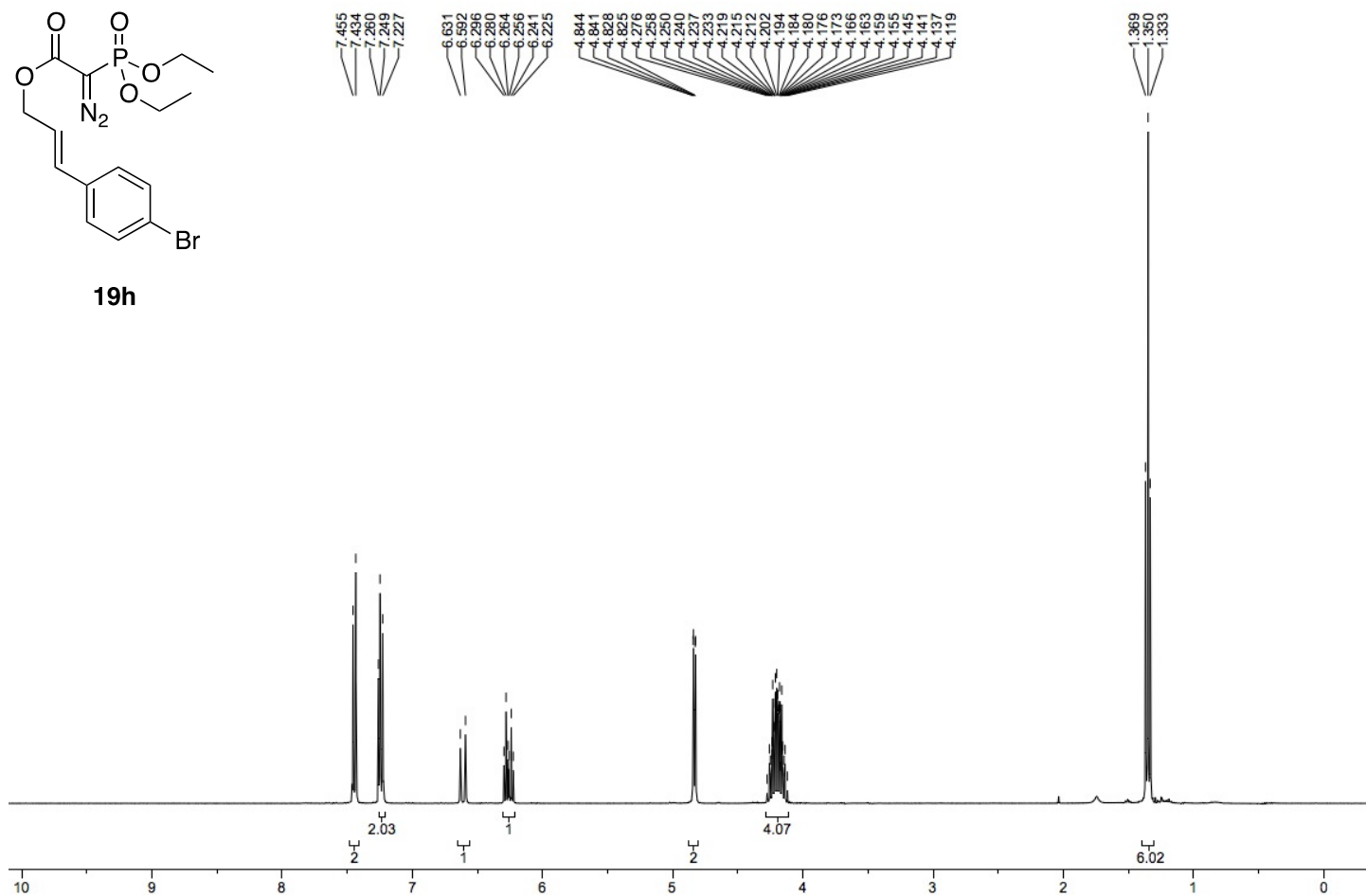
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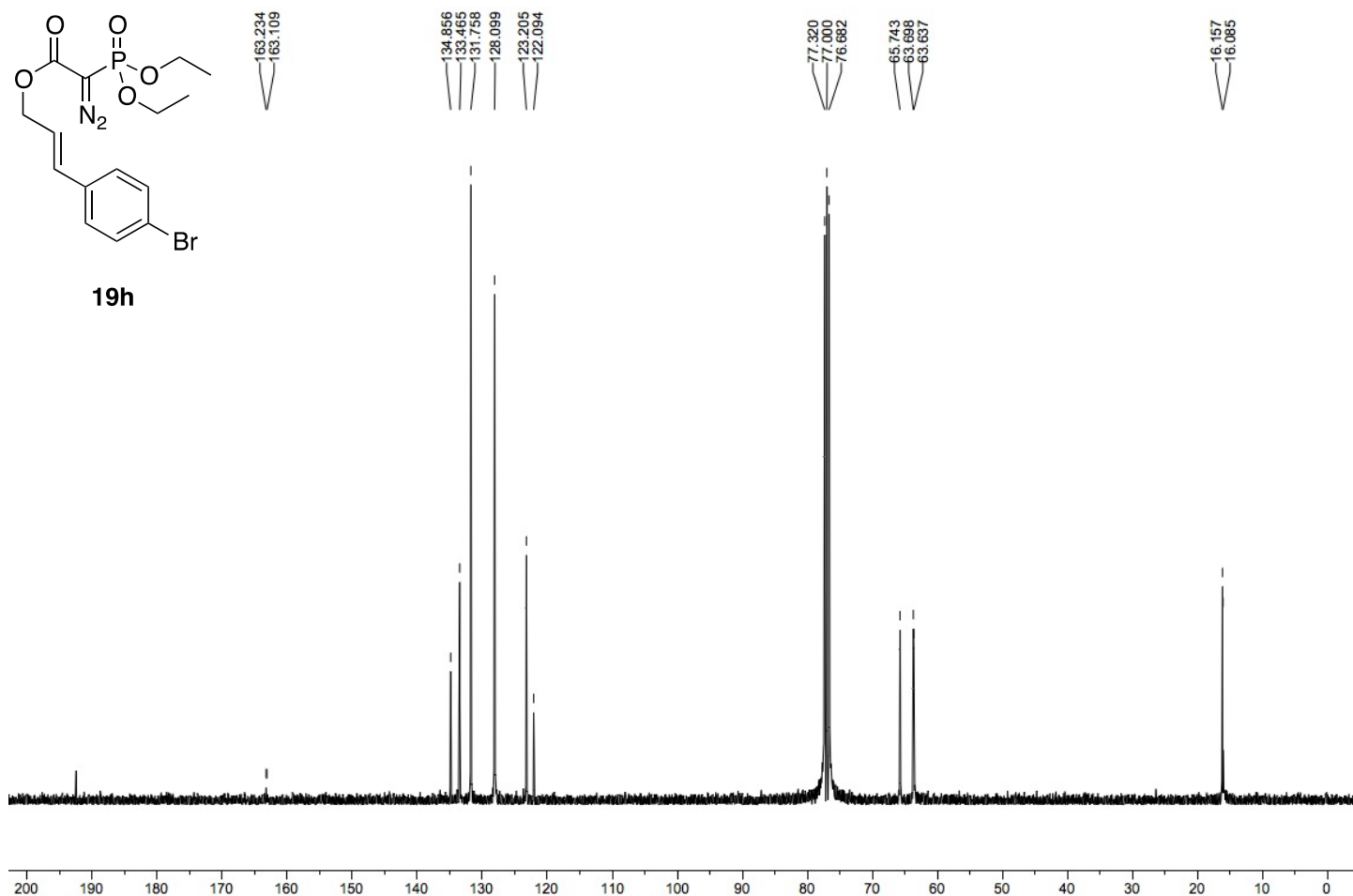


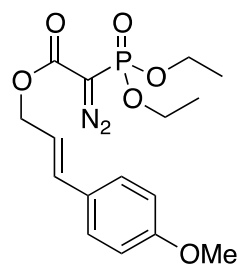


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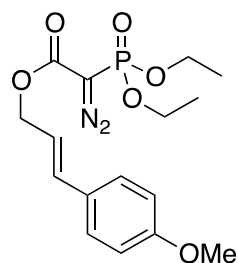
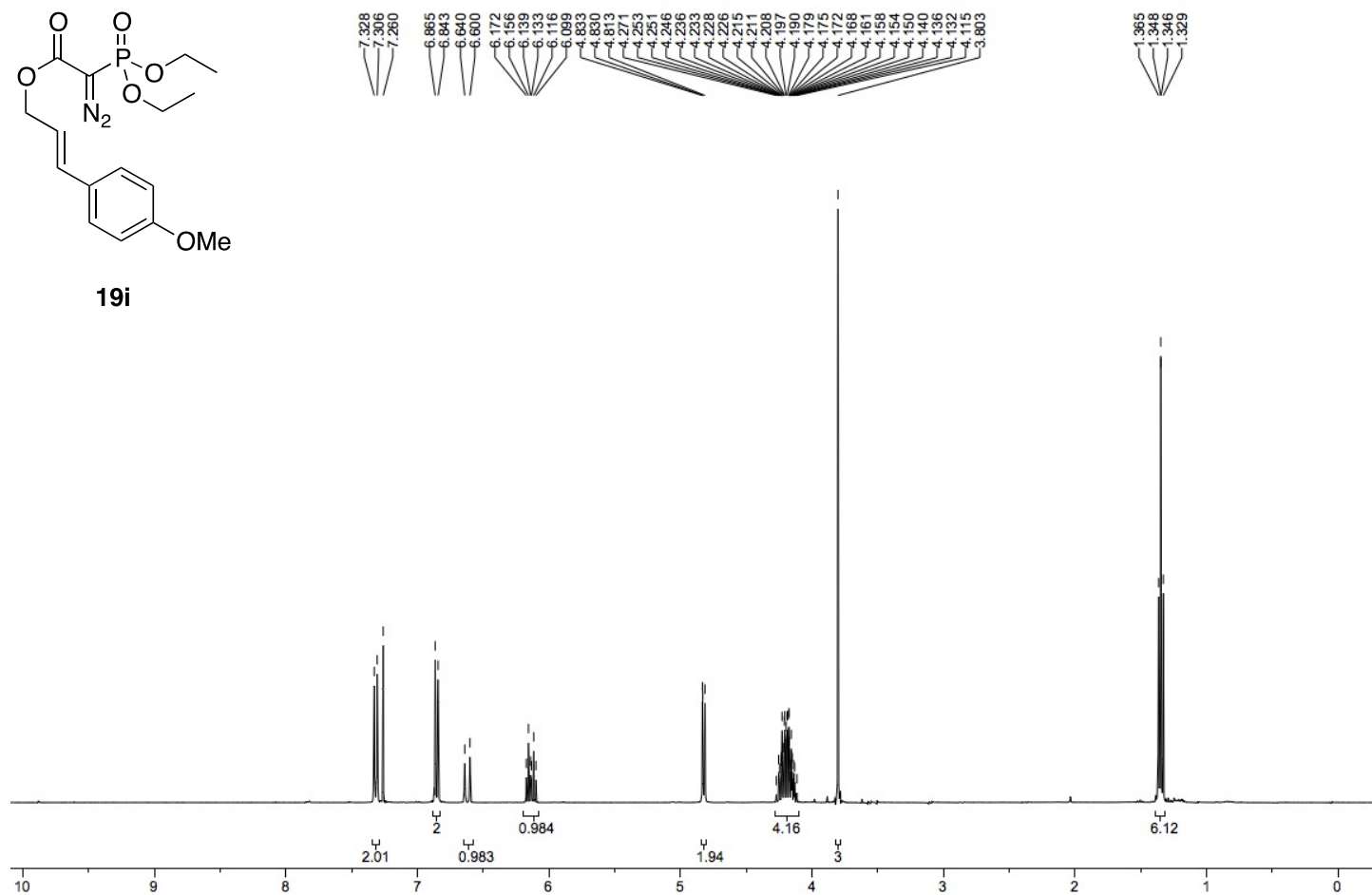


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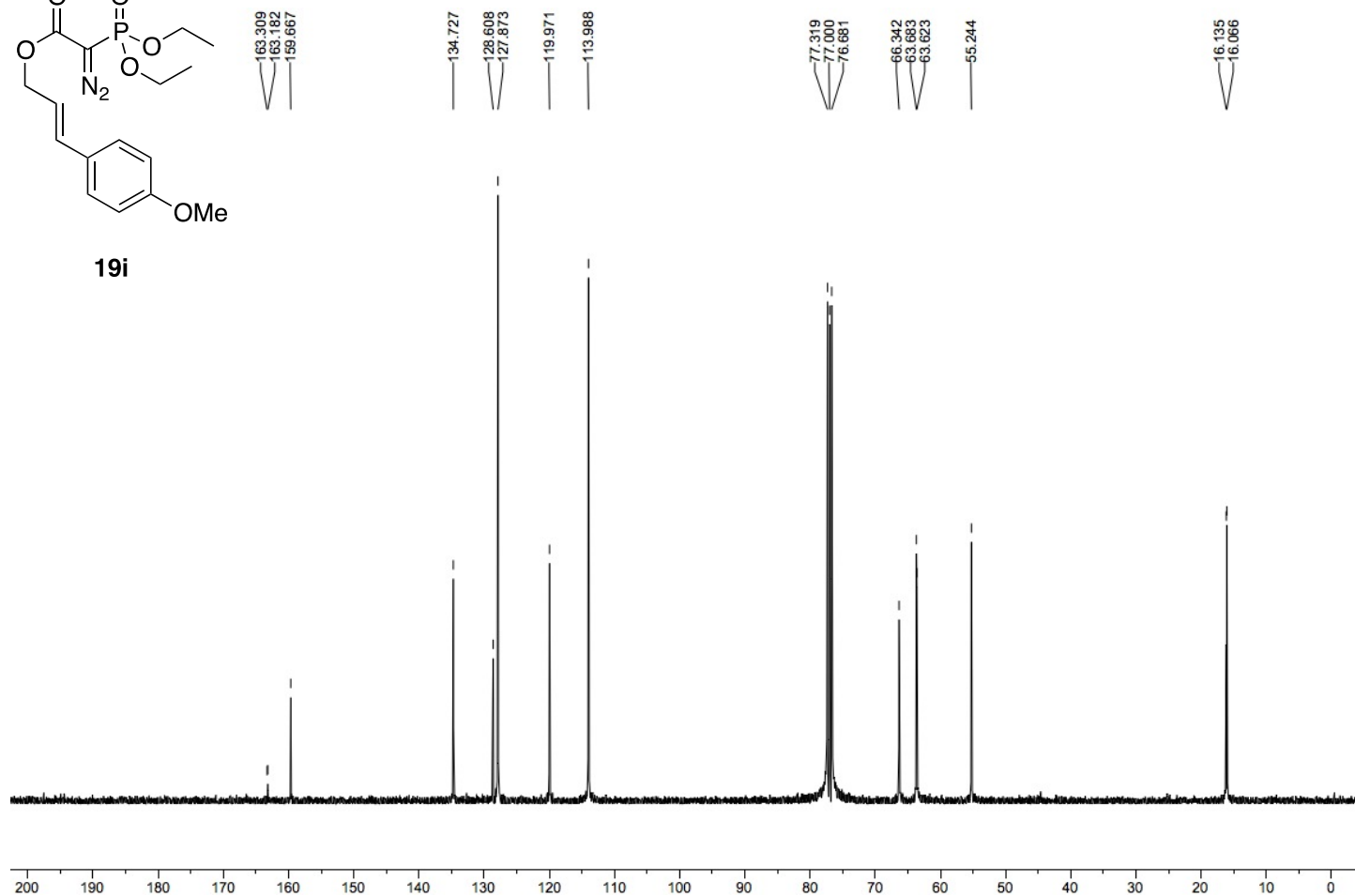


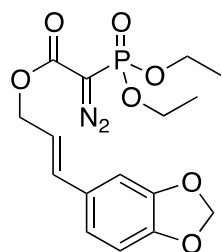


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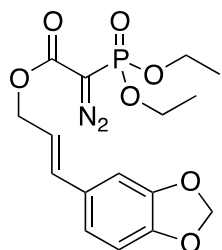
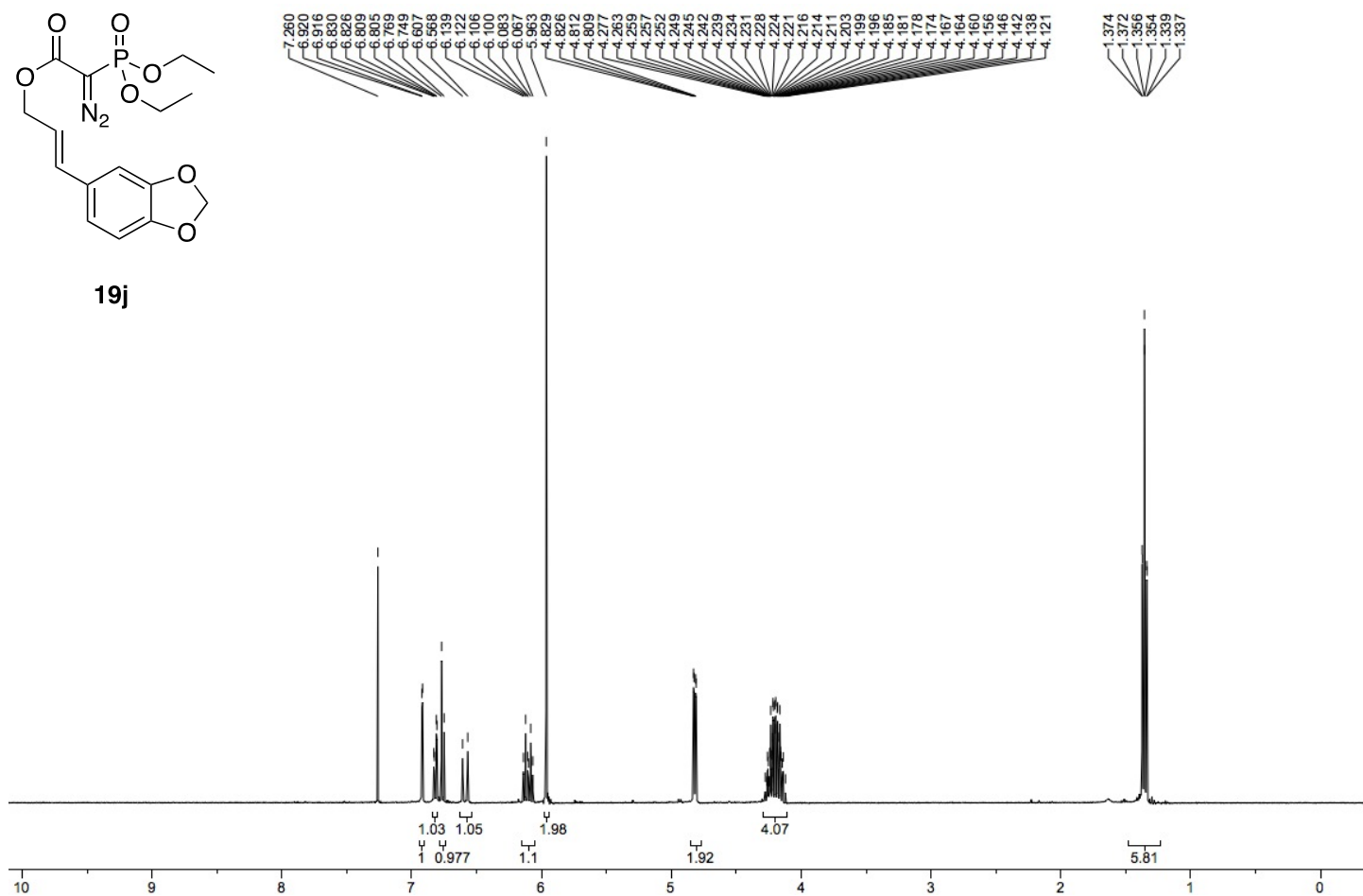


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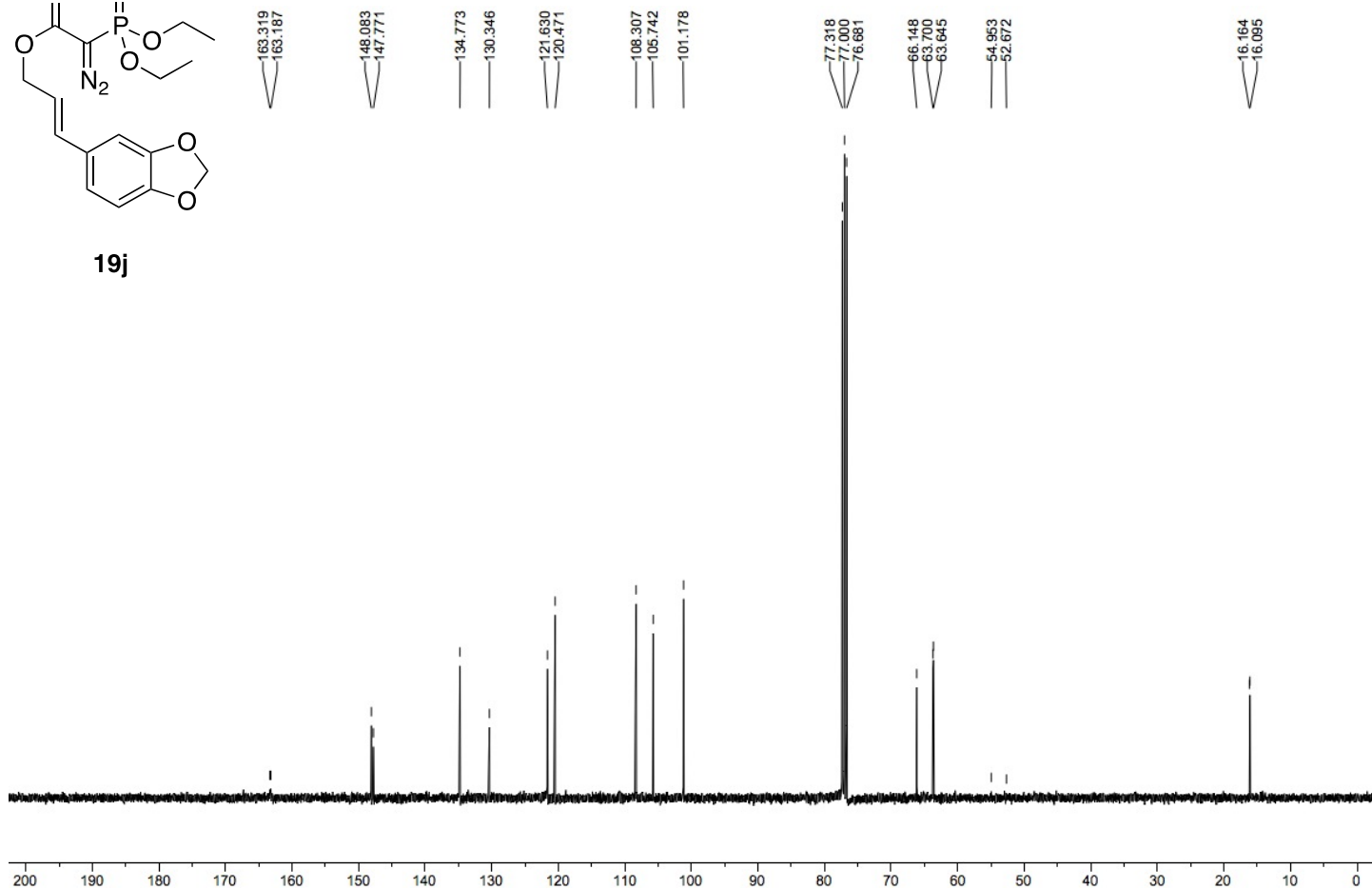


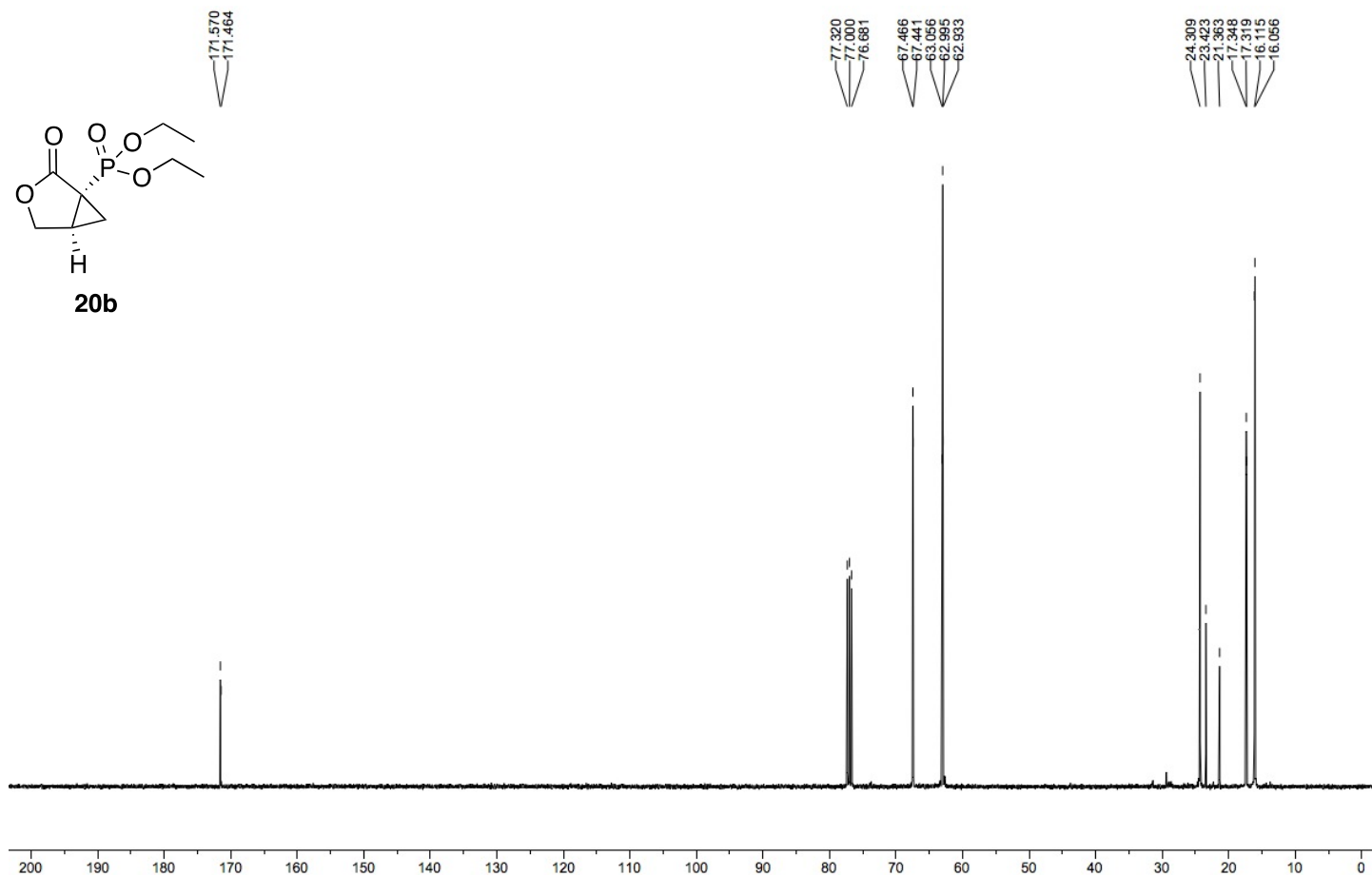
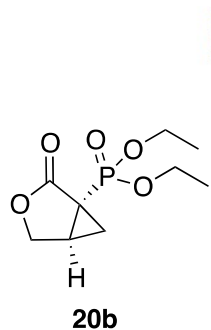
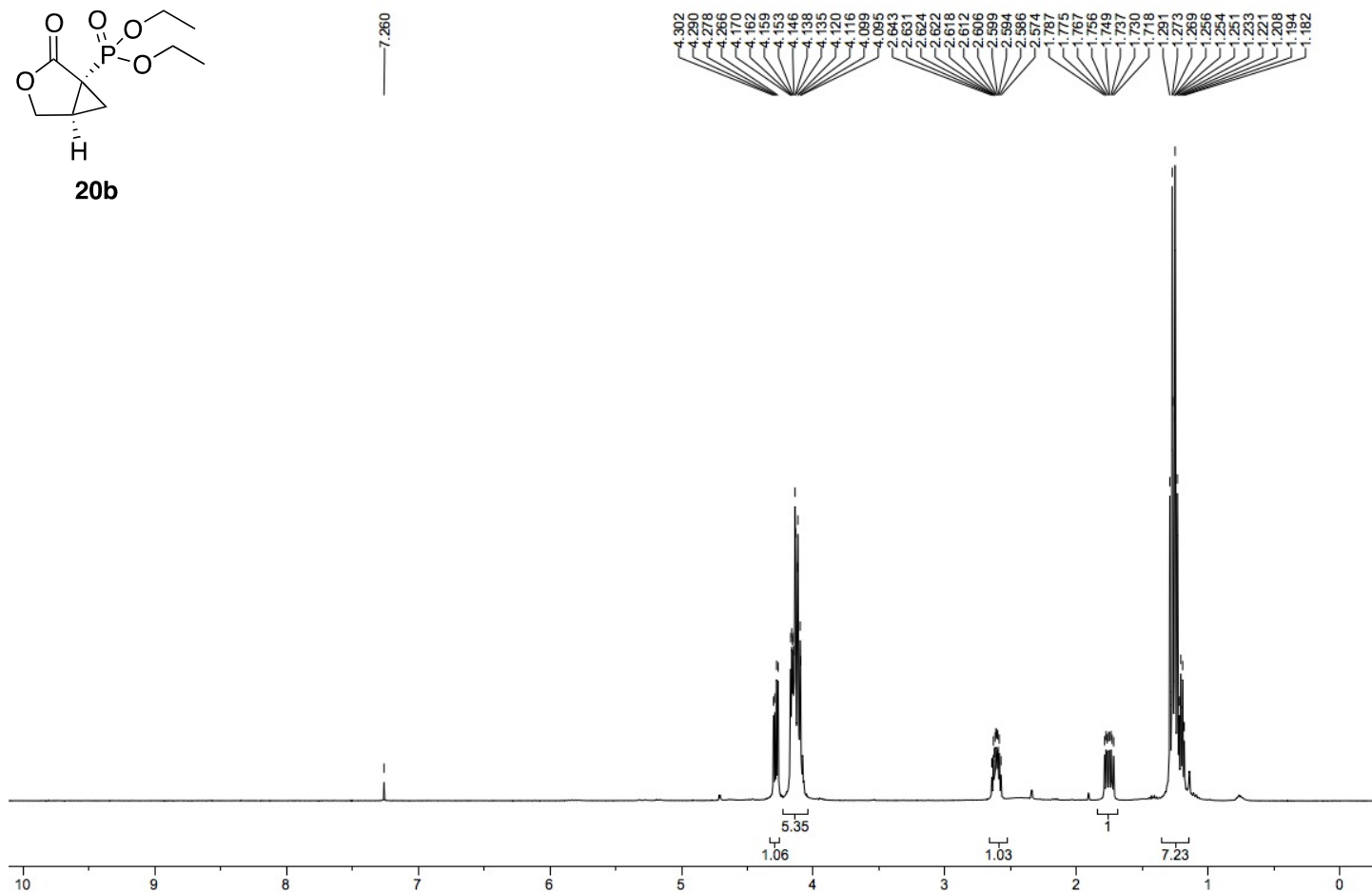
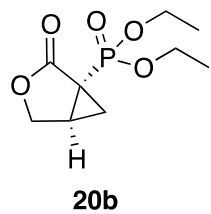


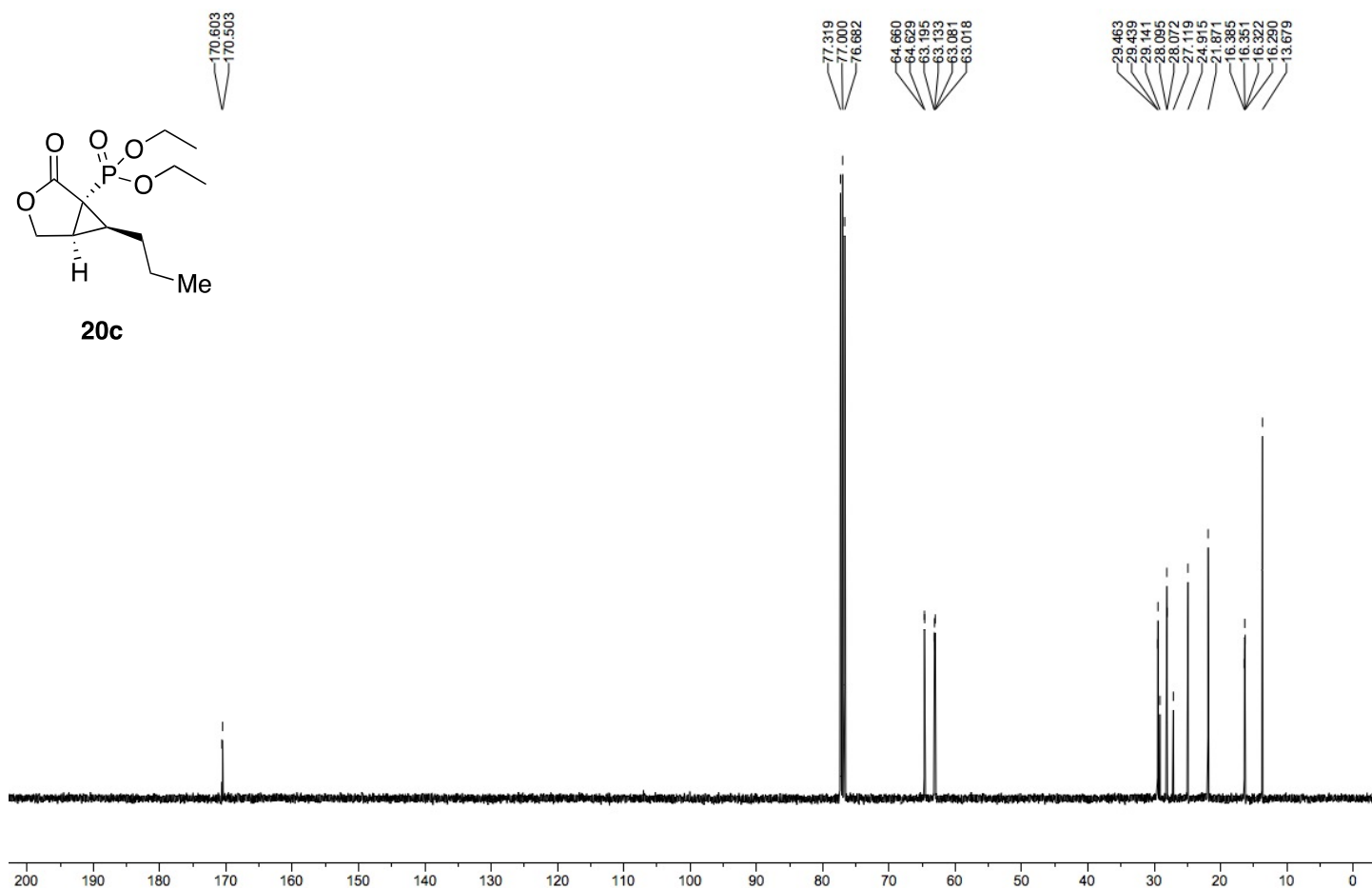
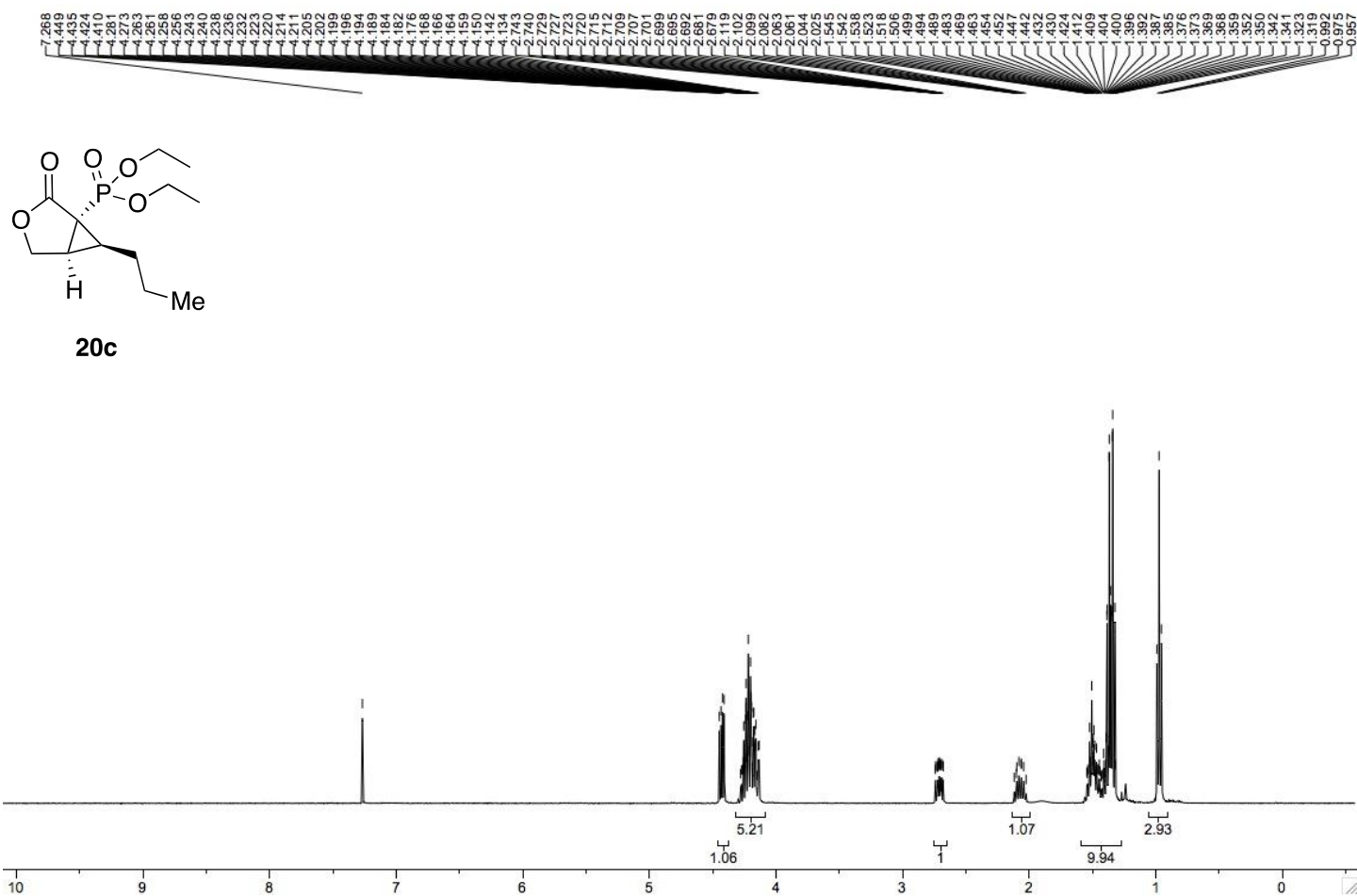
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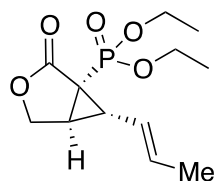


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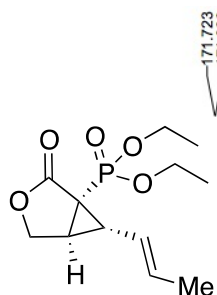
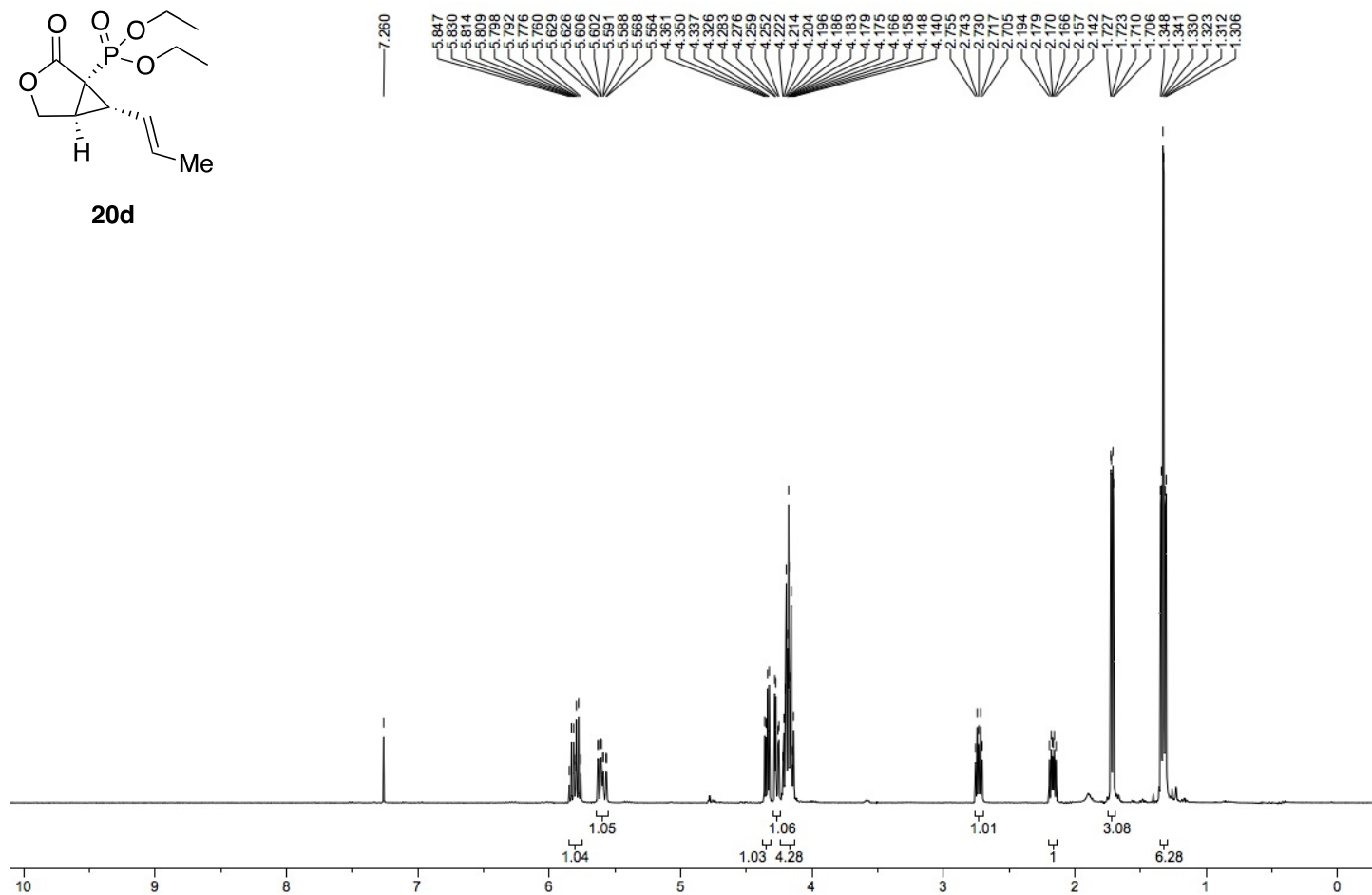




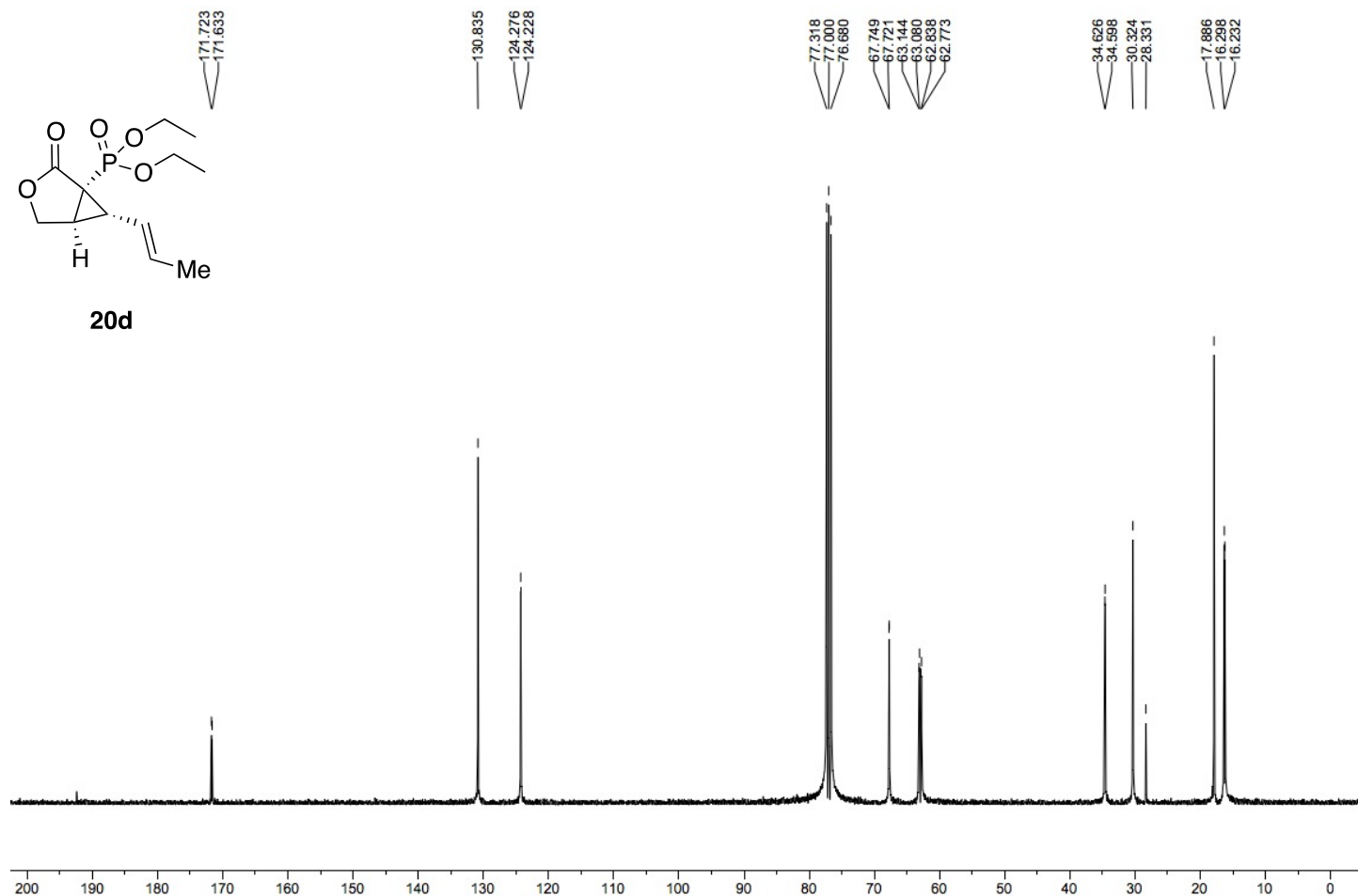


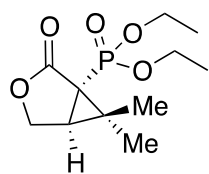


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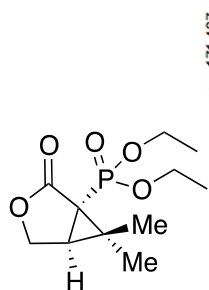
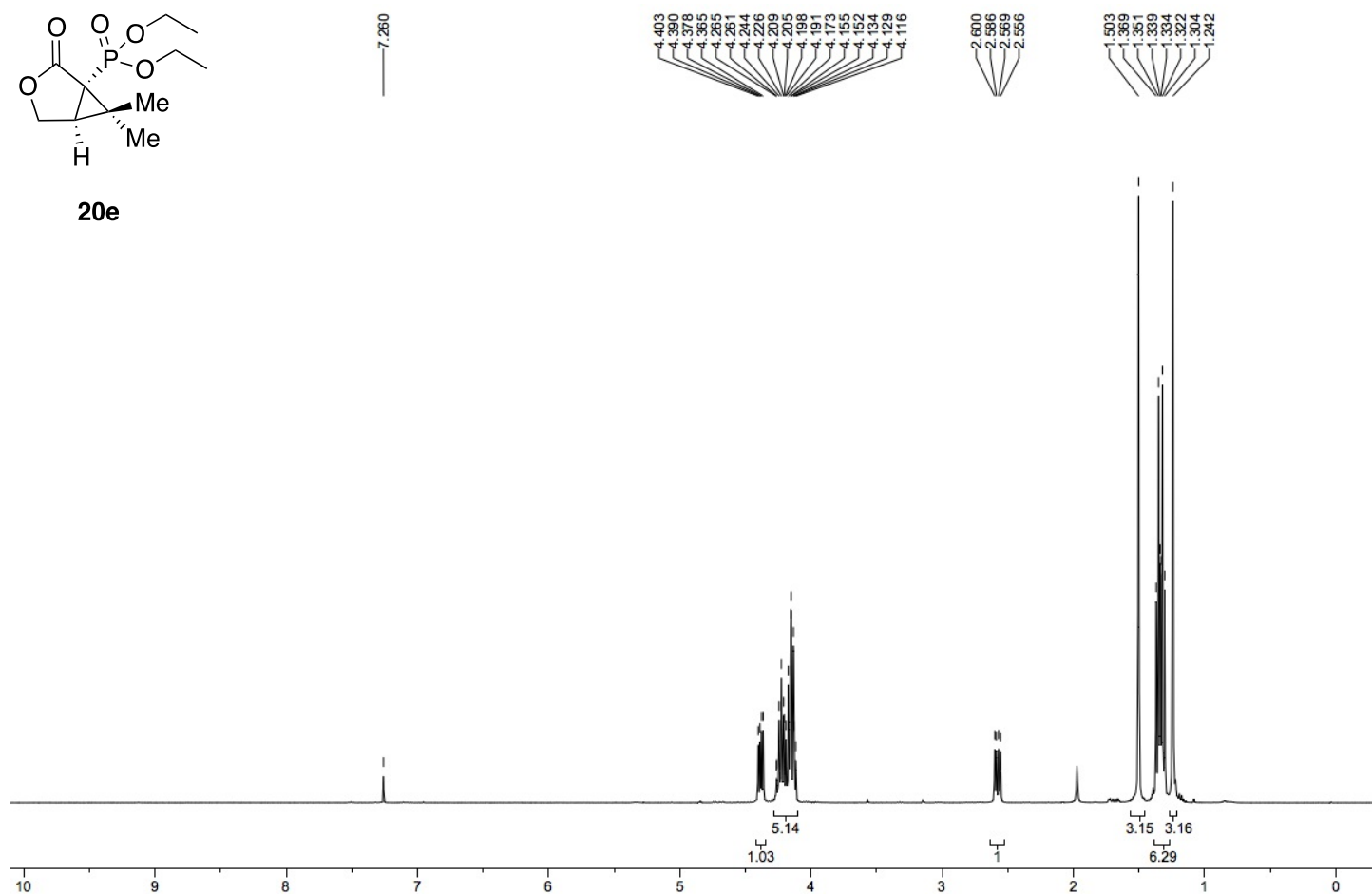


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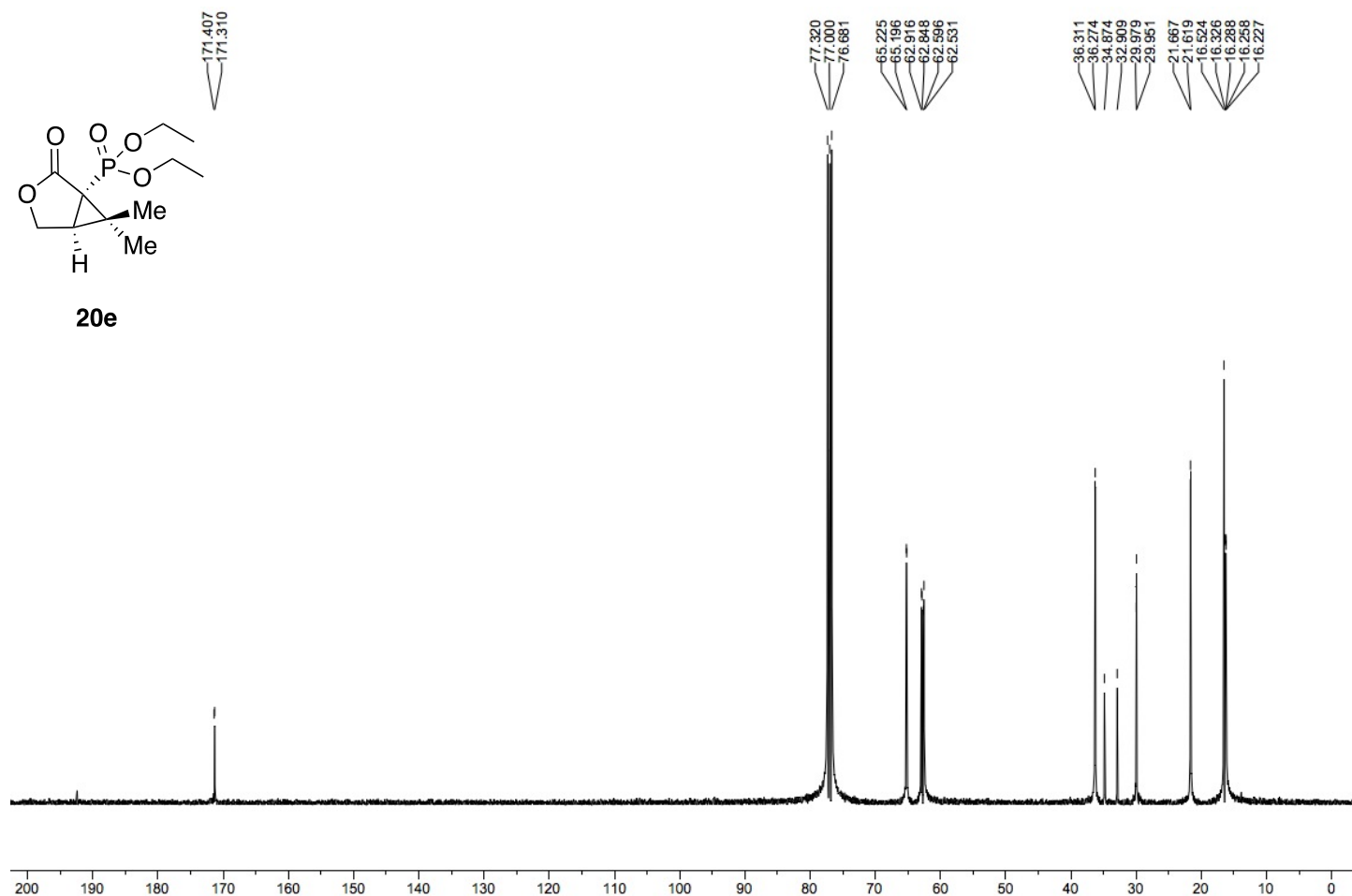


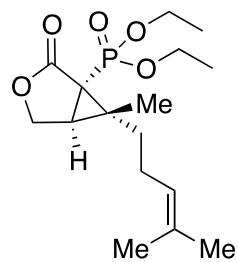


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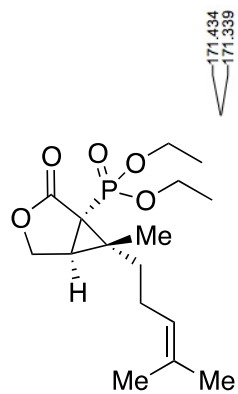
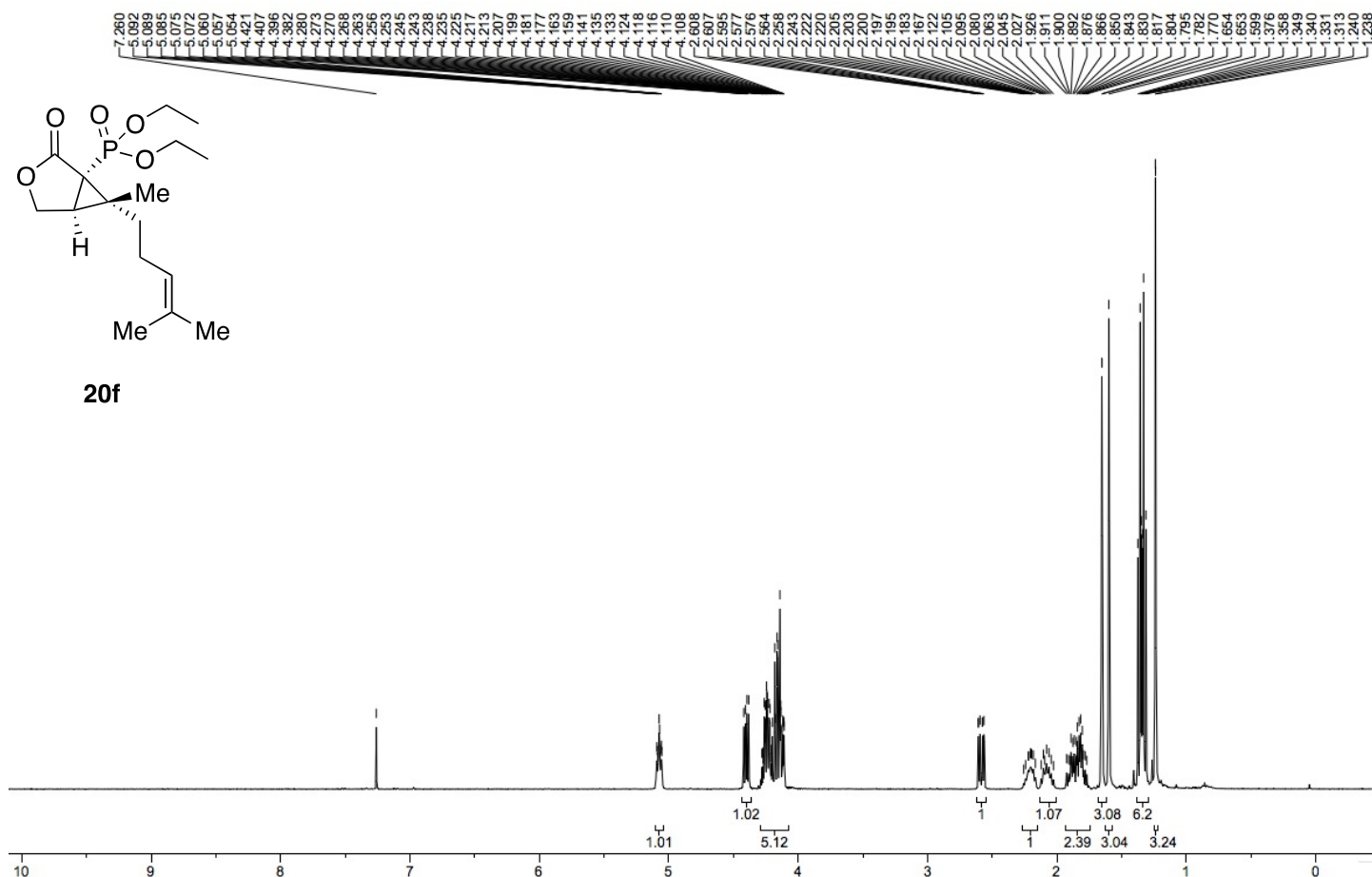


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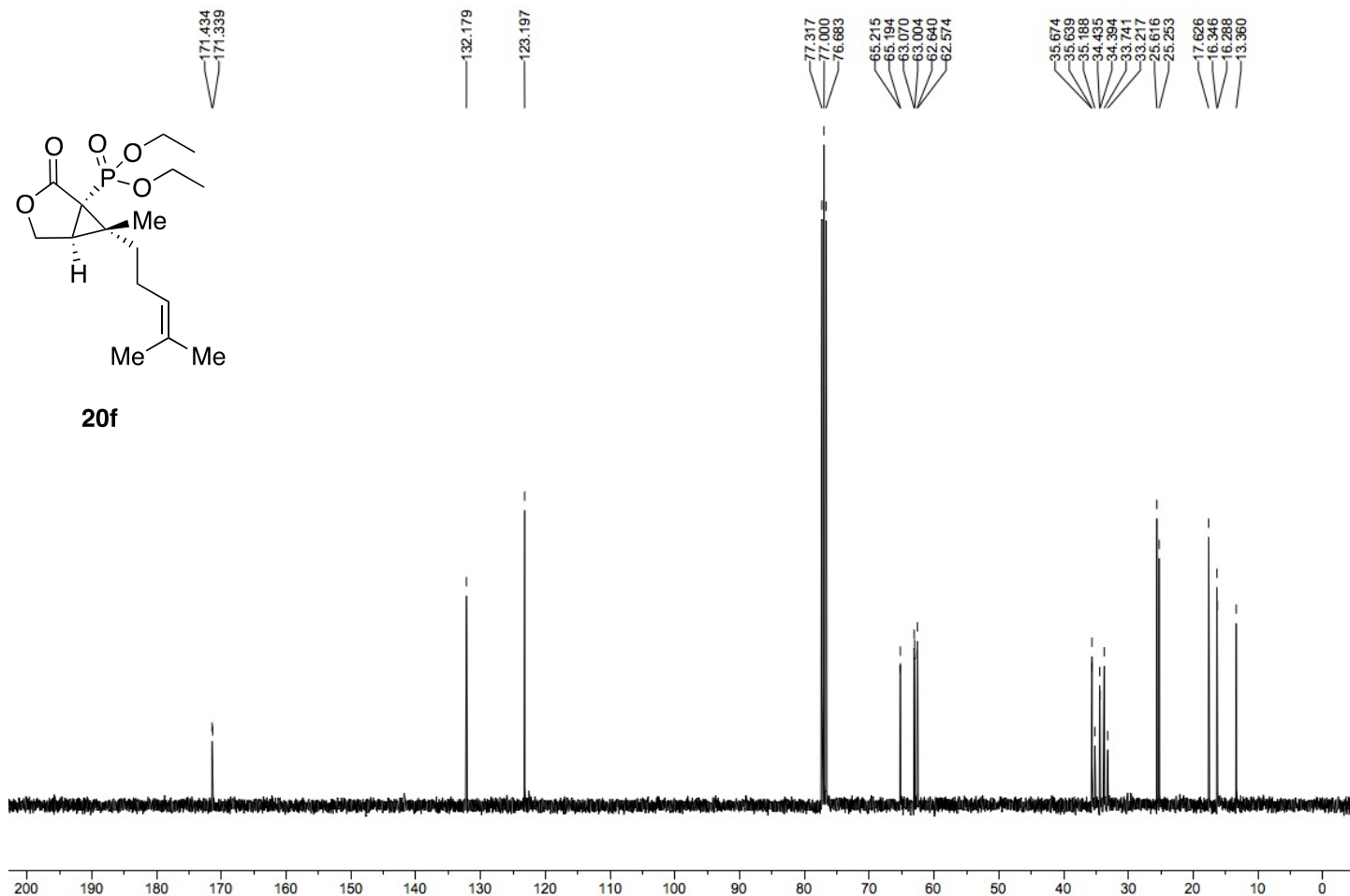


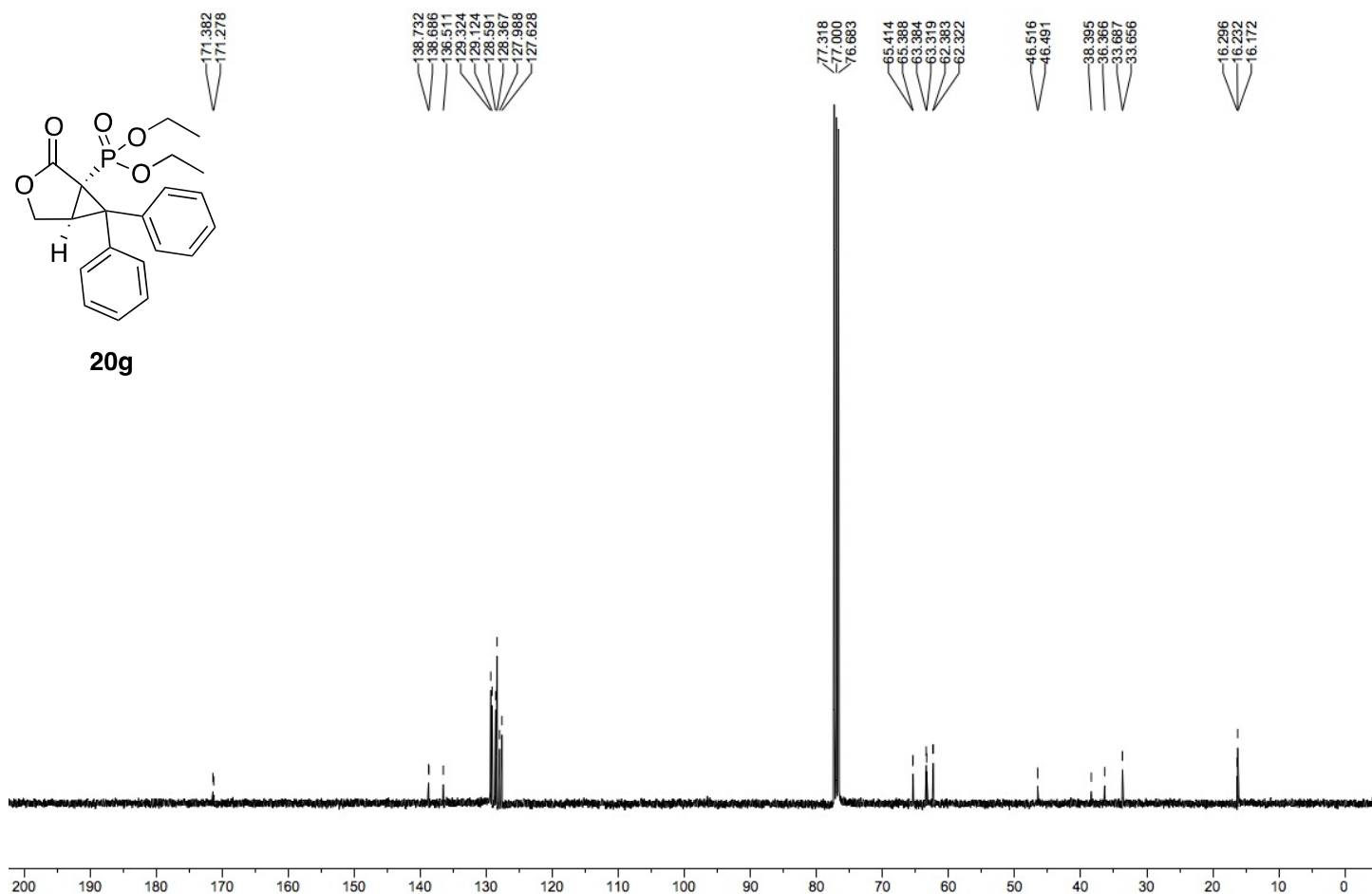
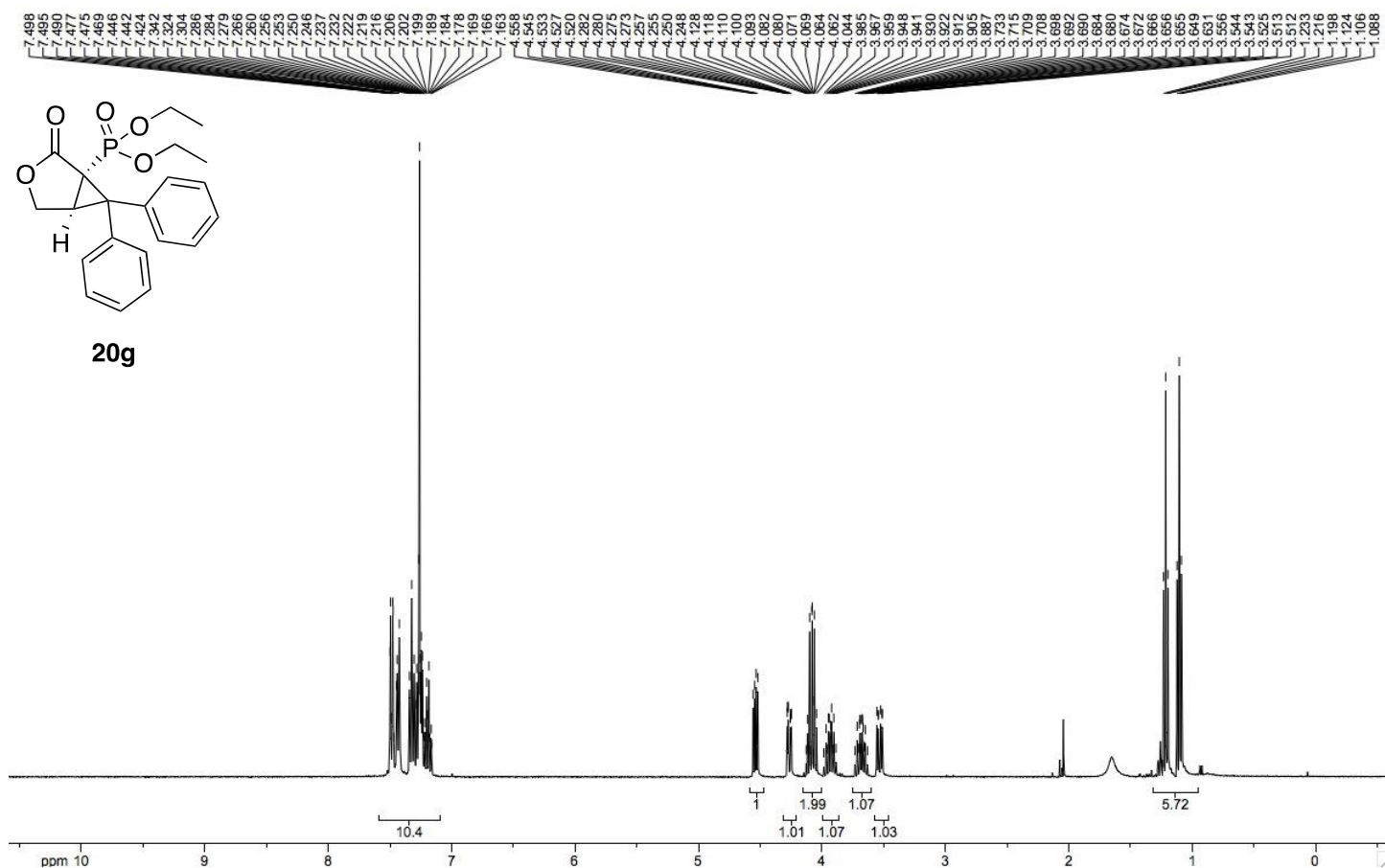


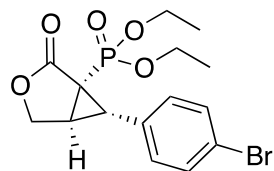
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20f



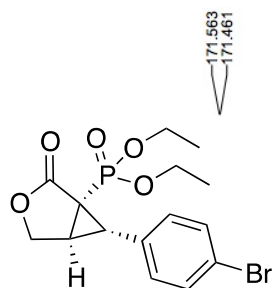
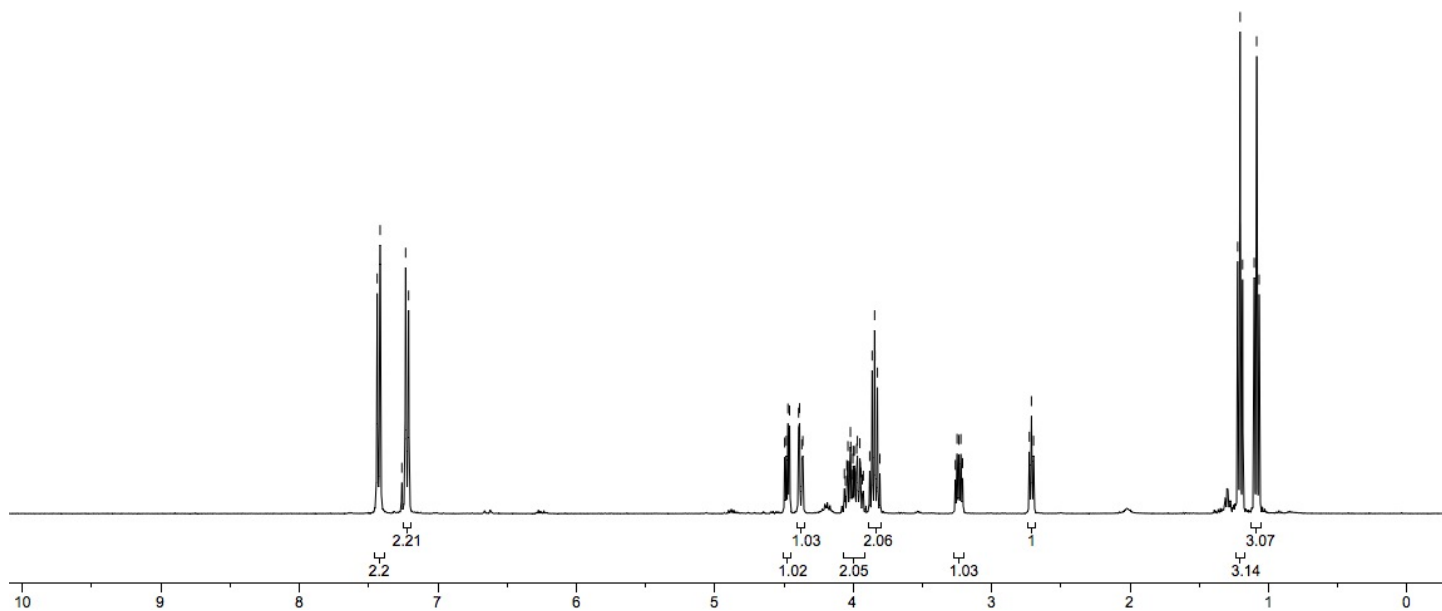




20h

7.438
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7.333
7.211

4.495
4.485
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4.460
4.394
4.388
4.371
4.364
4.064
4.056
4.046
4.043
4.038
4.025
4.020
4.018
4.010
4.002
4.000
3.992
3.984
3.975
3.970
3.952
3.949
3.945
3.934
3.927
3.881
3.863
3.845
3.843
3.825
3.808
3.262
3.250
3.236
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1.104
1.086
1.068



20h

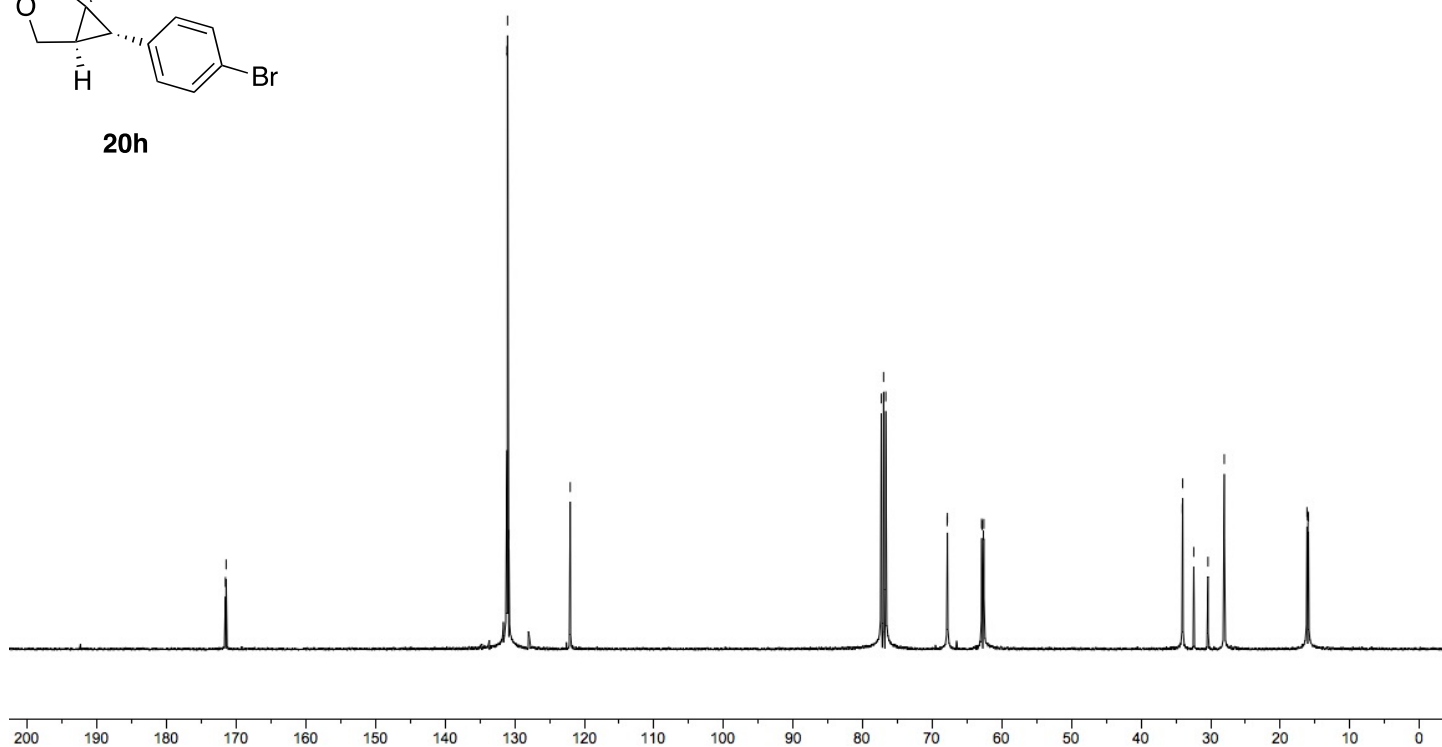
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171.461

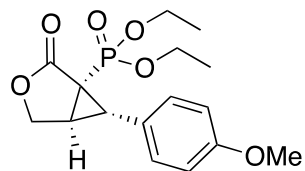
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62.657
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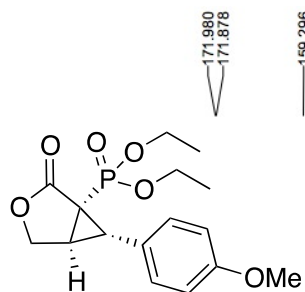
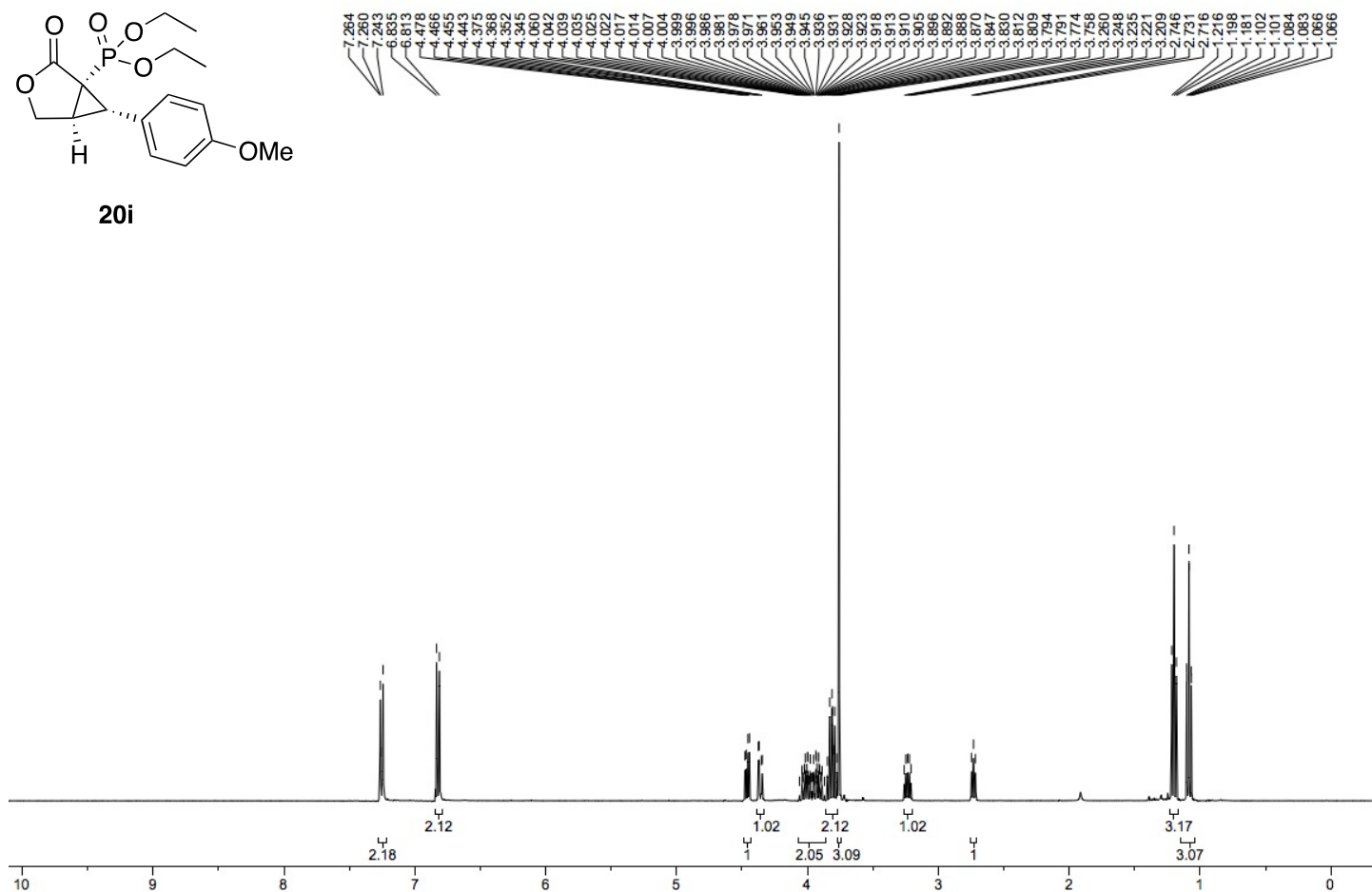
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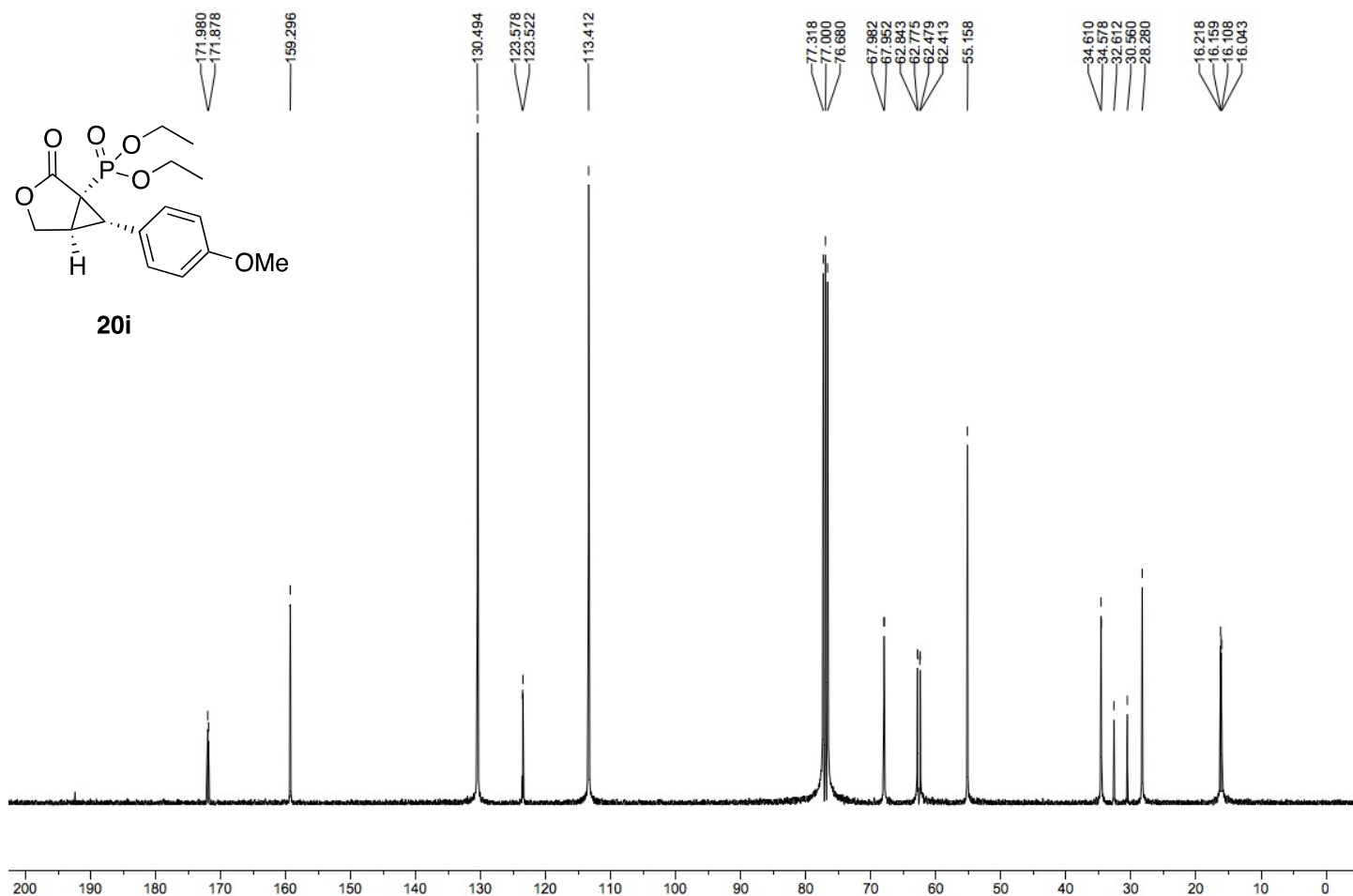


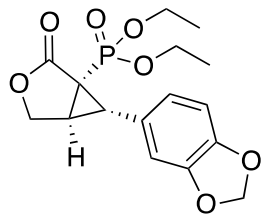


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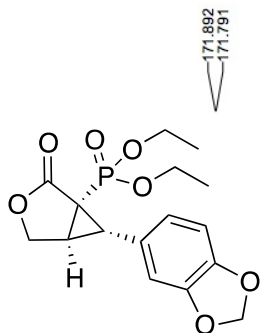
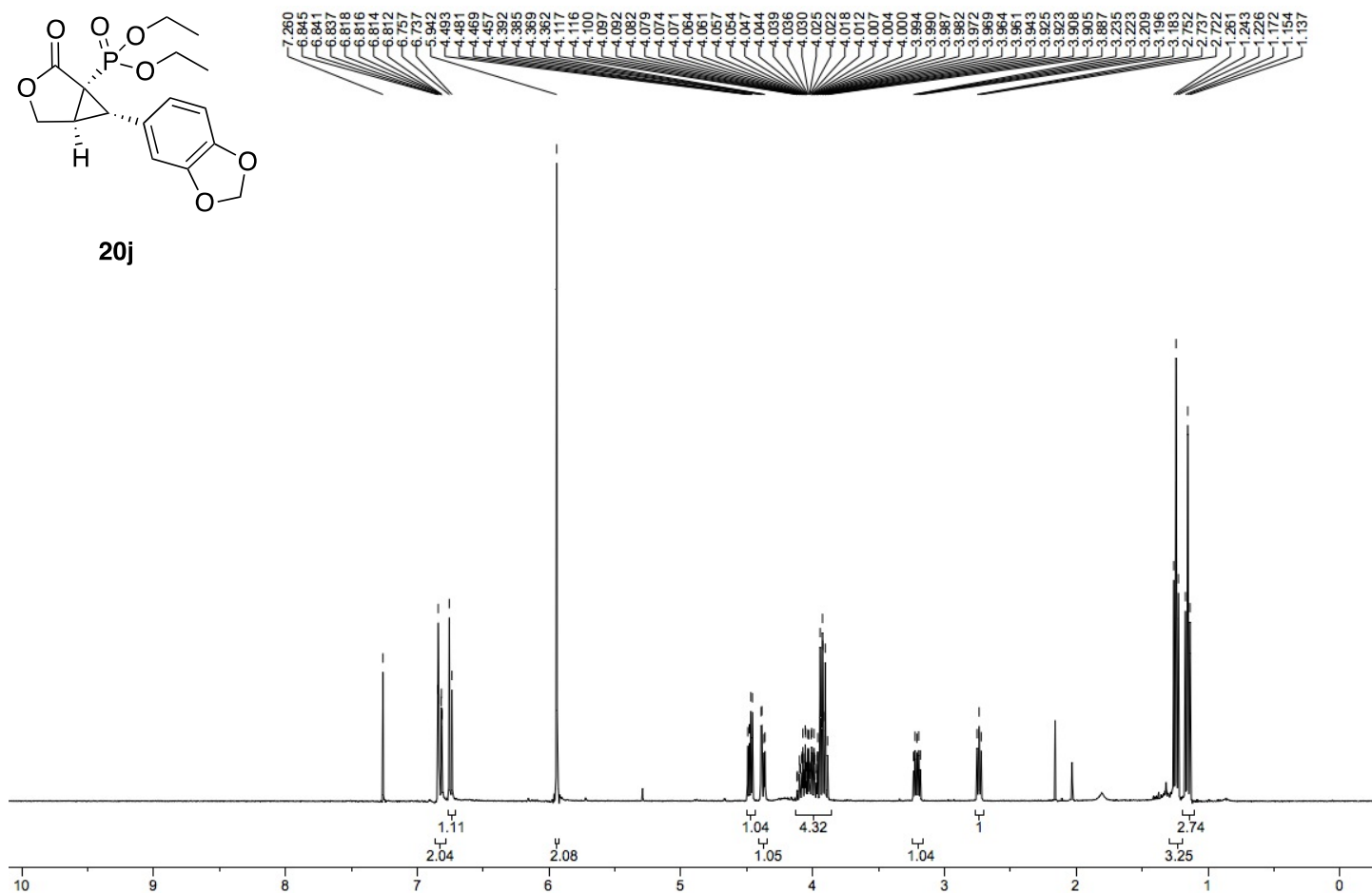


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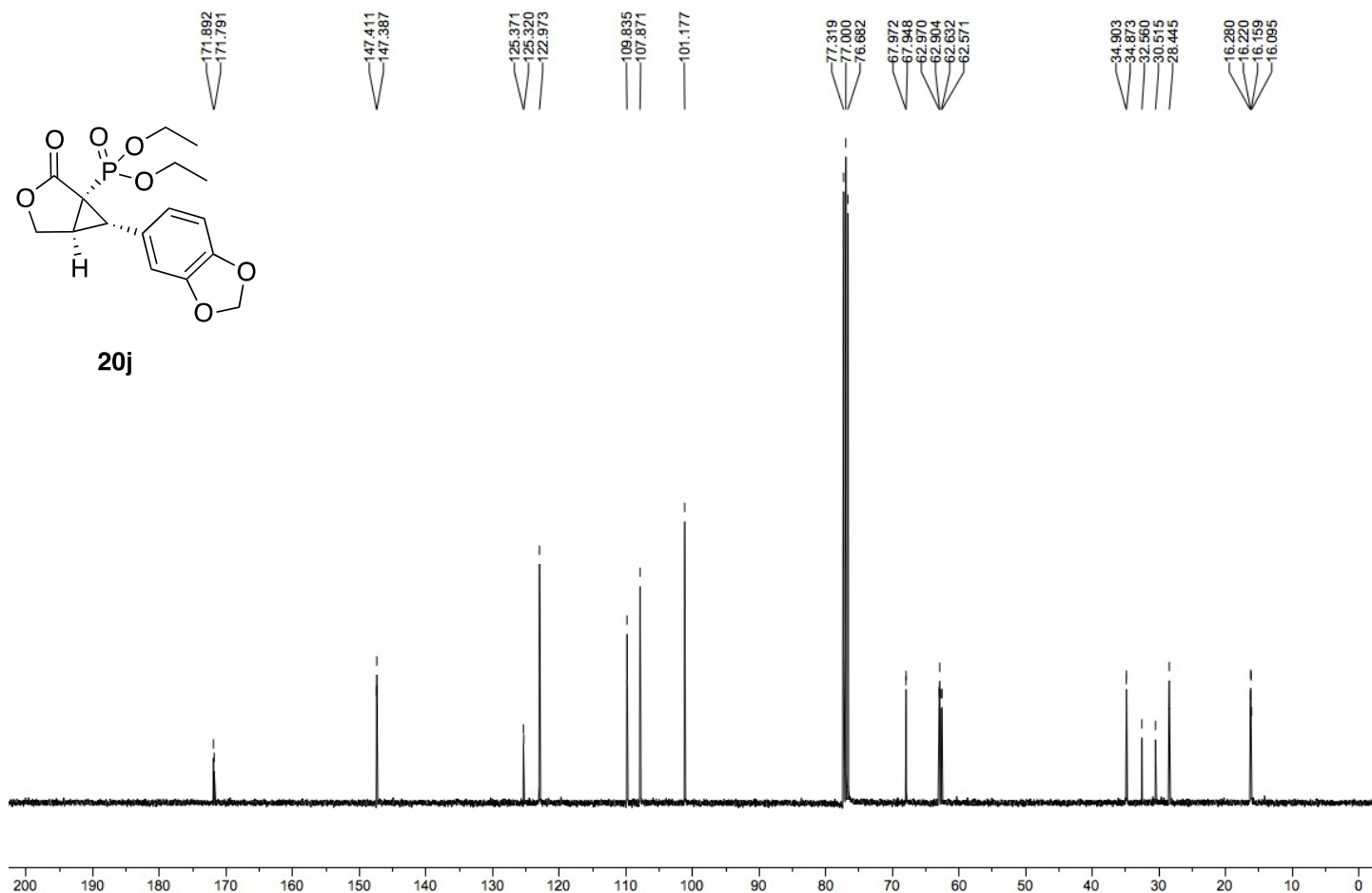


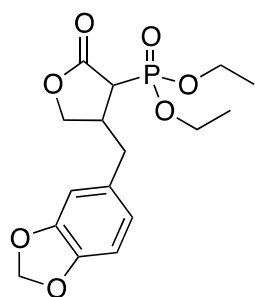


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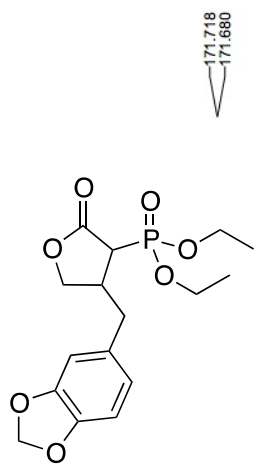
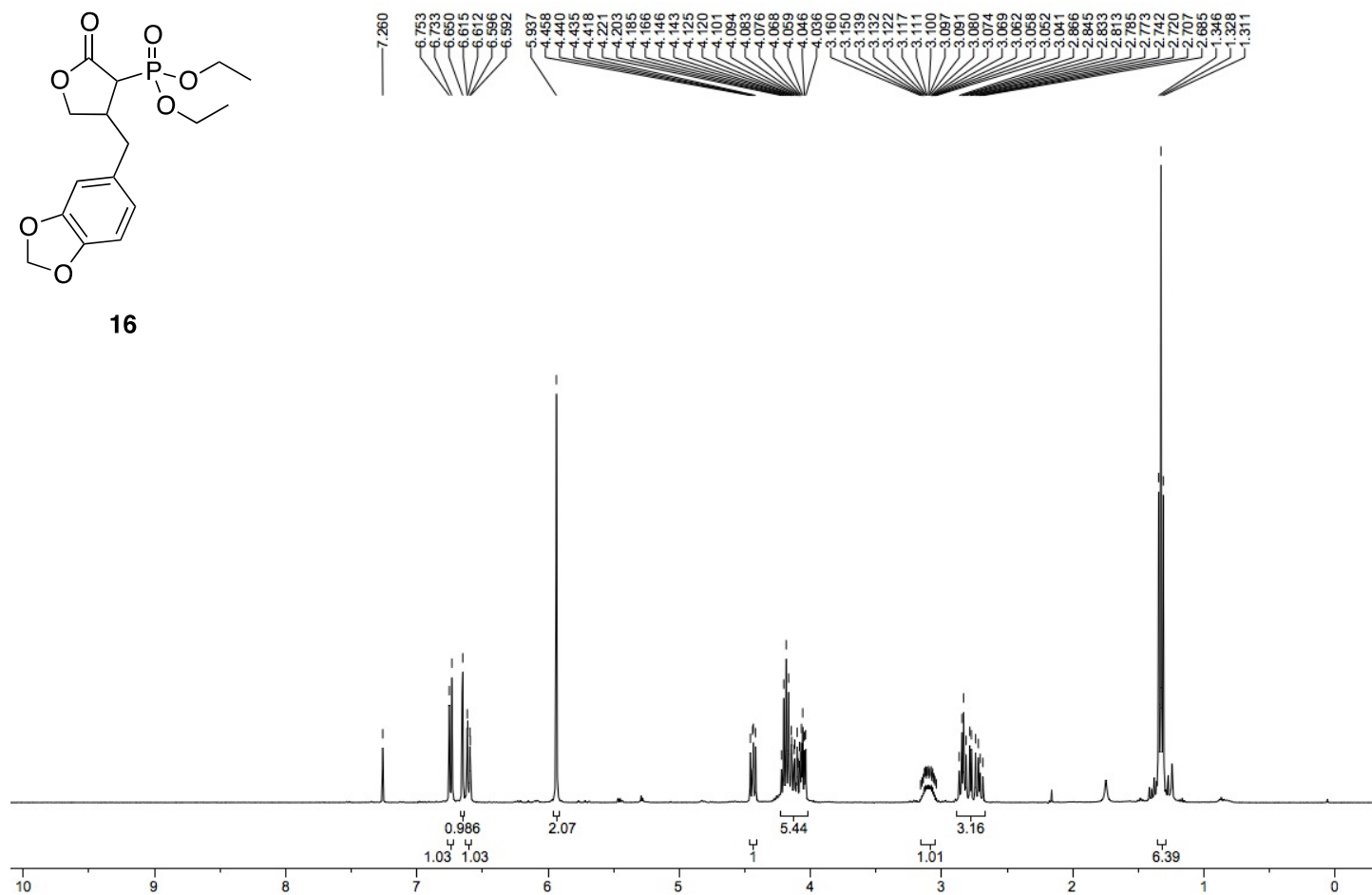


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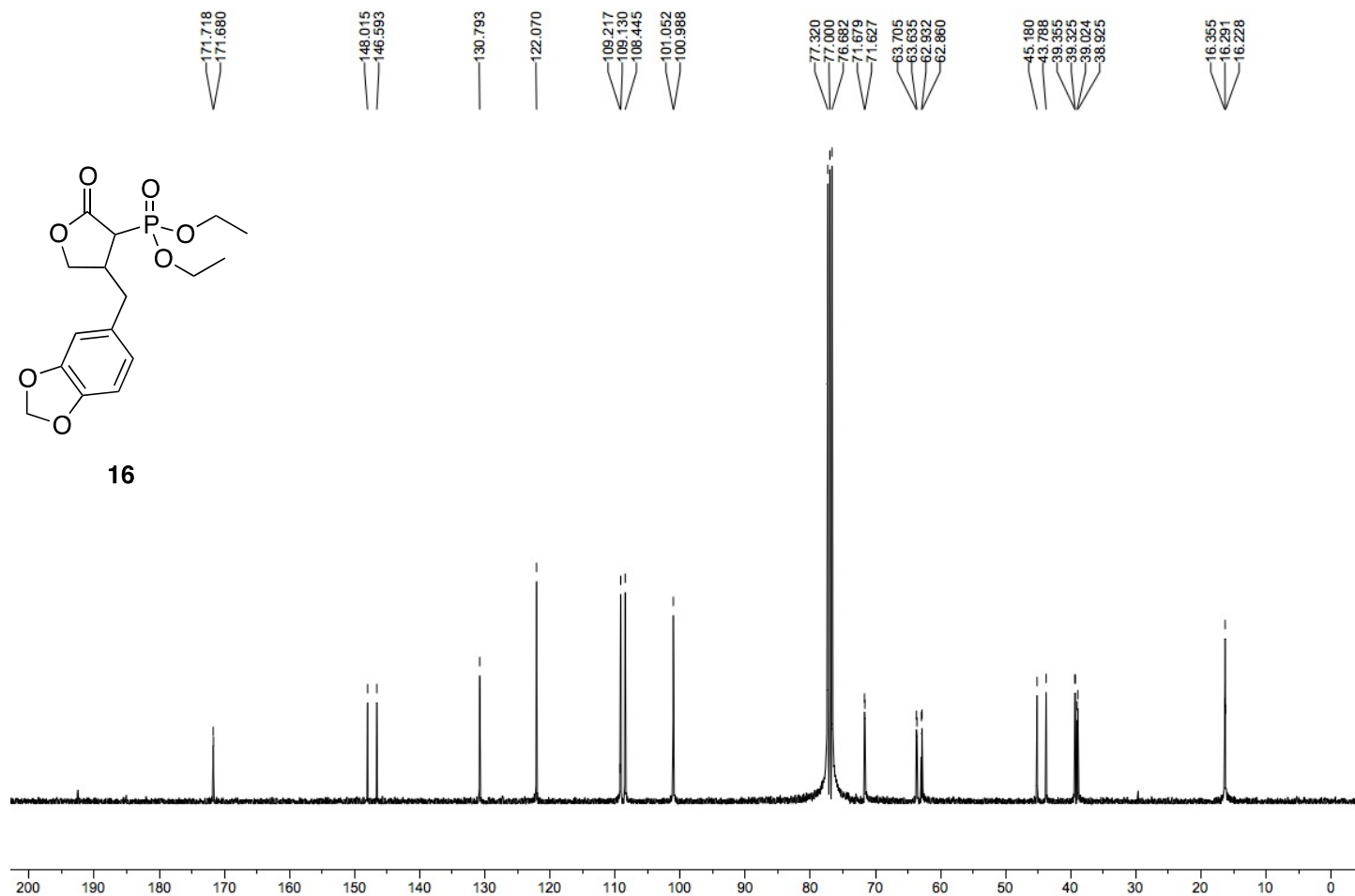


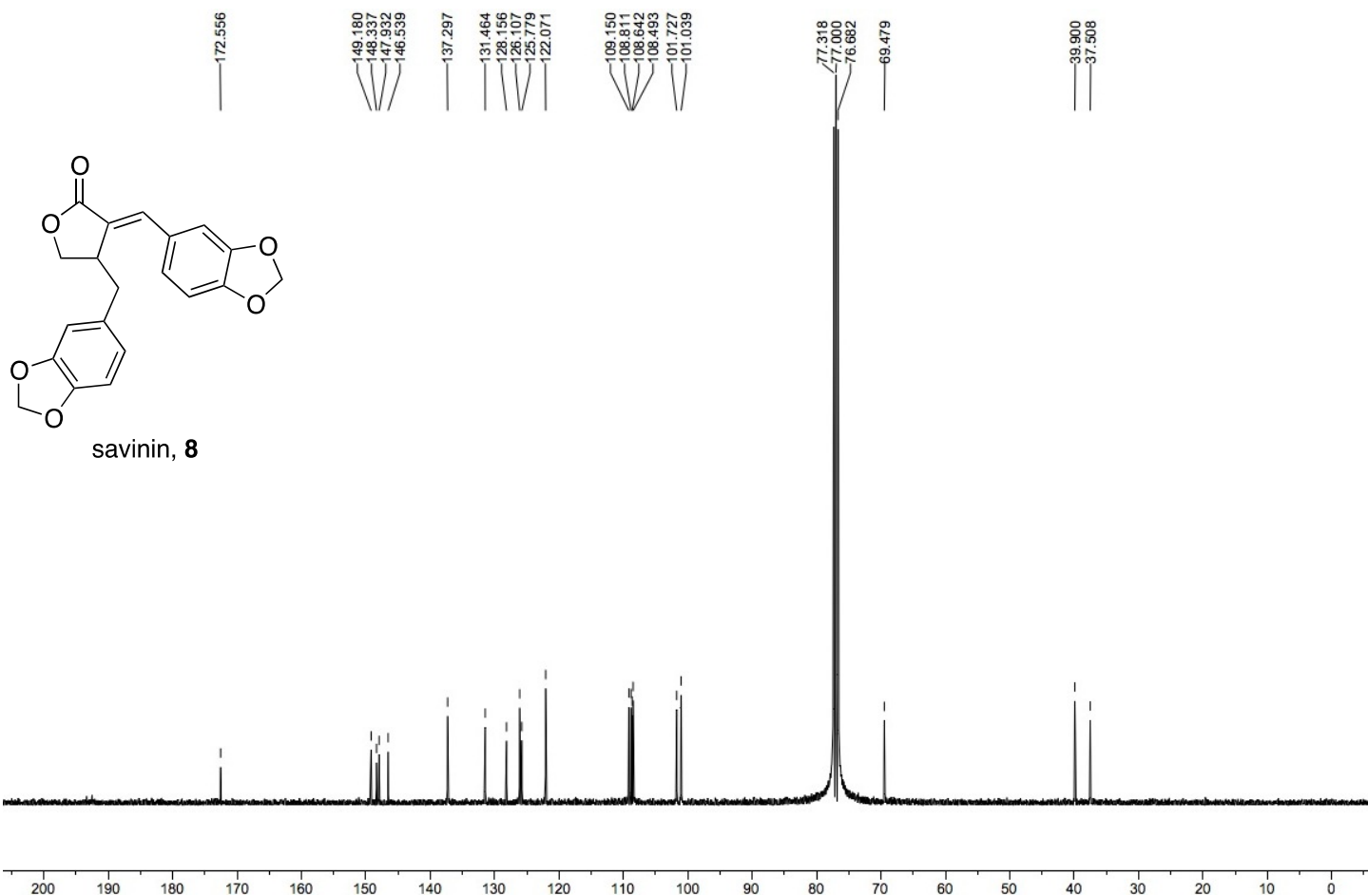
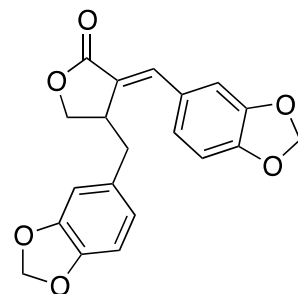


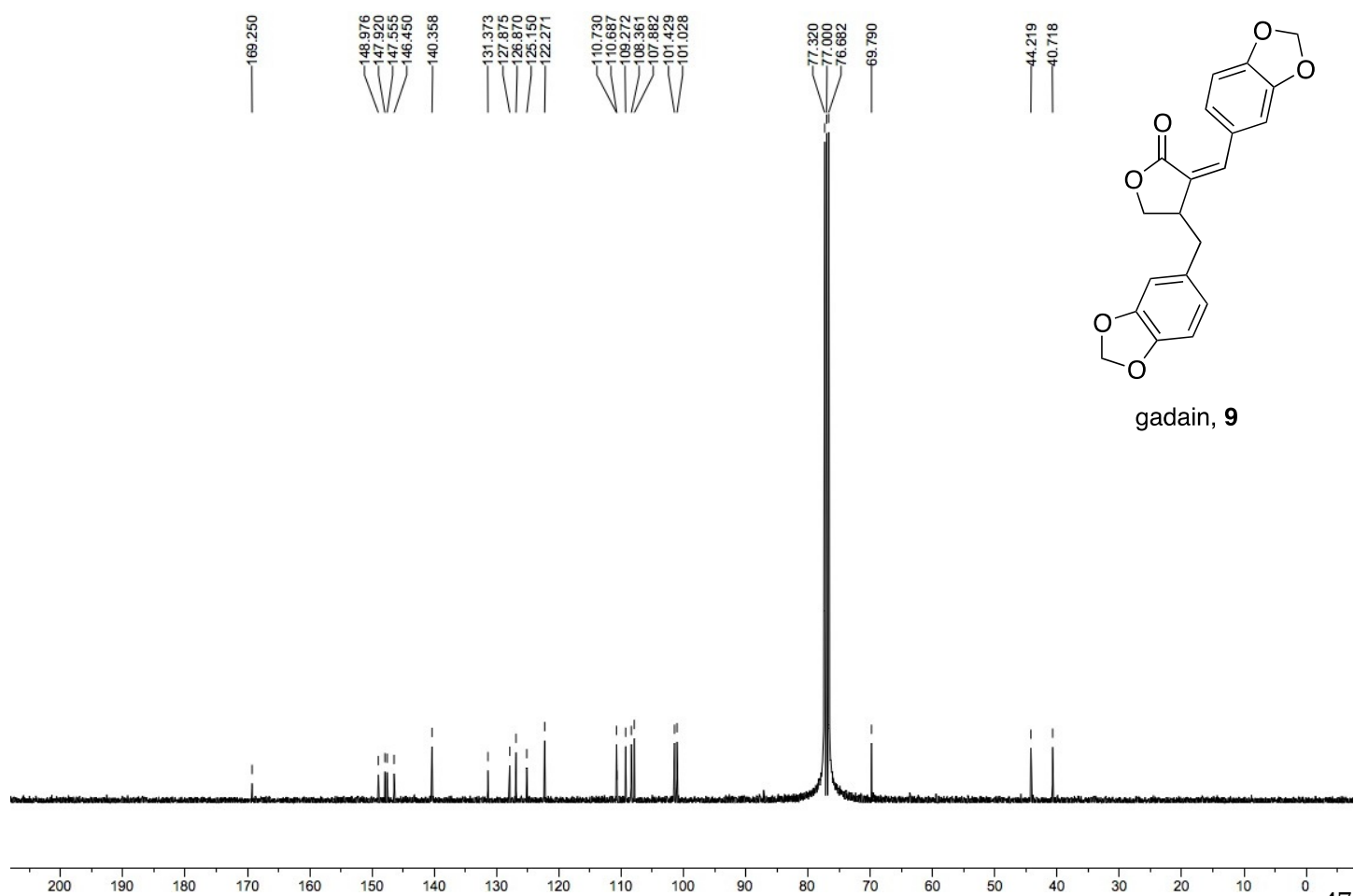
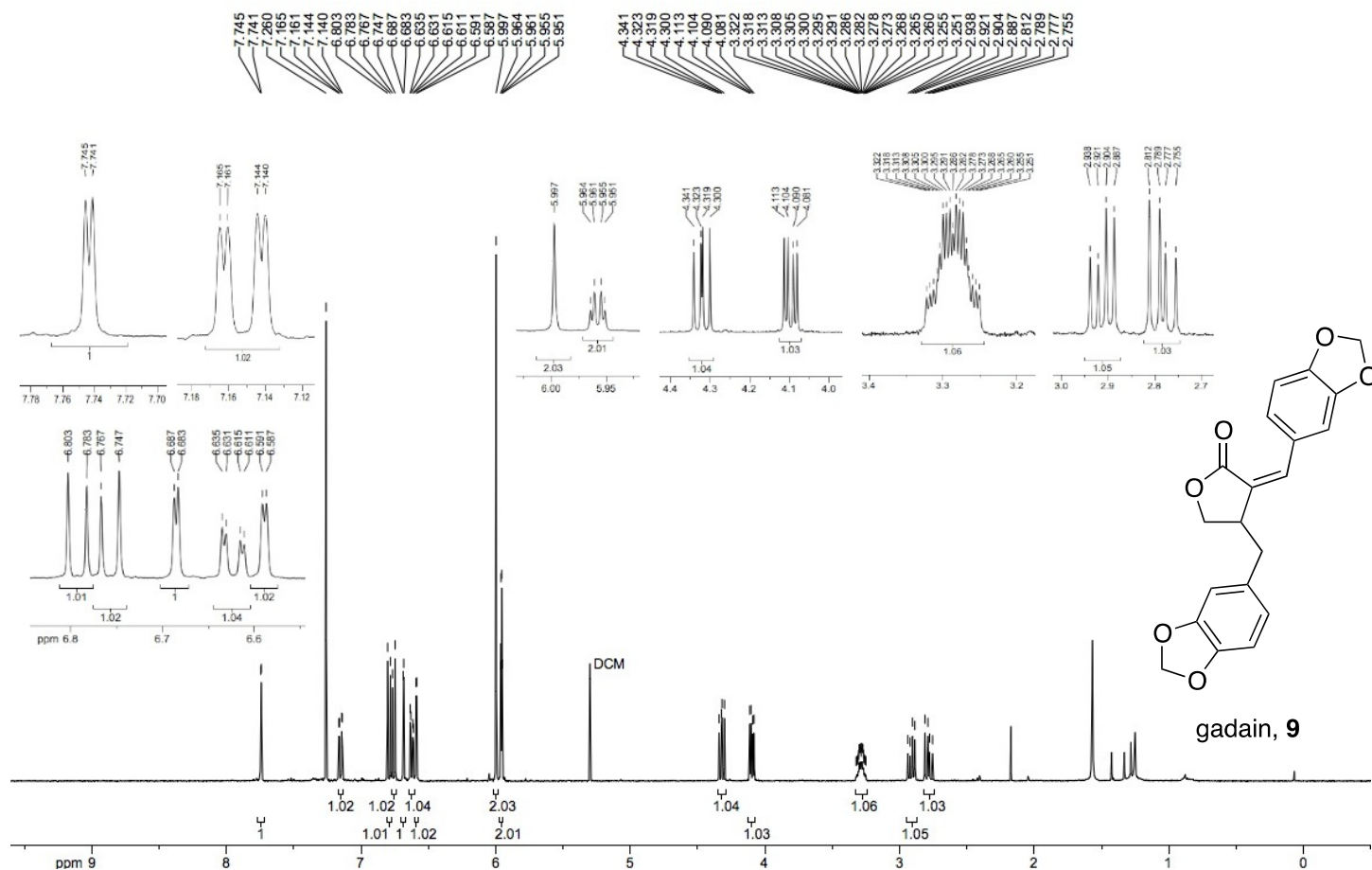
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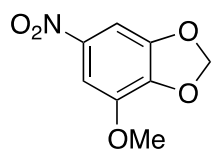


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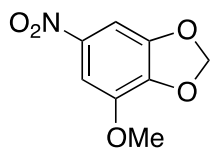
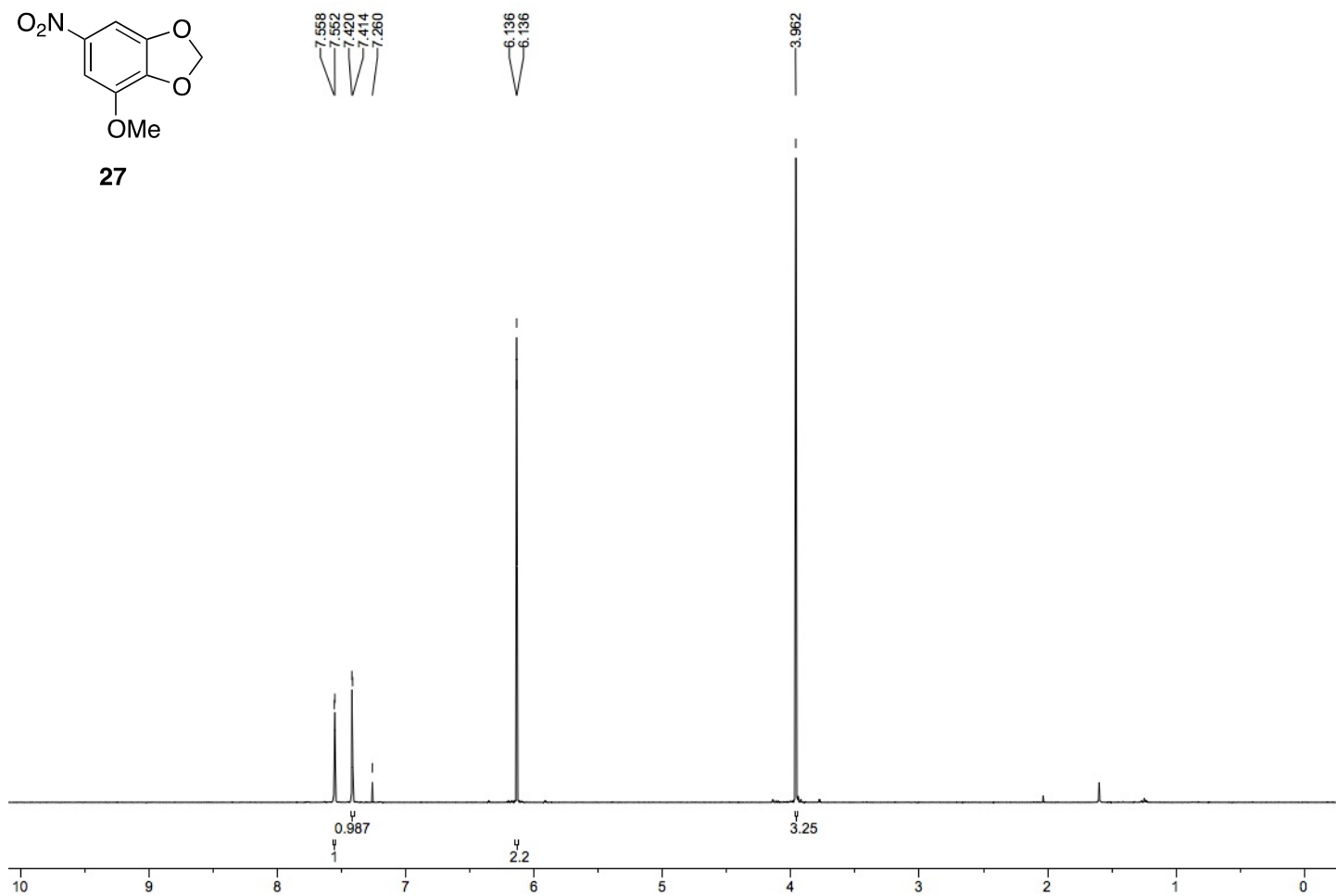




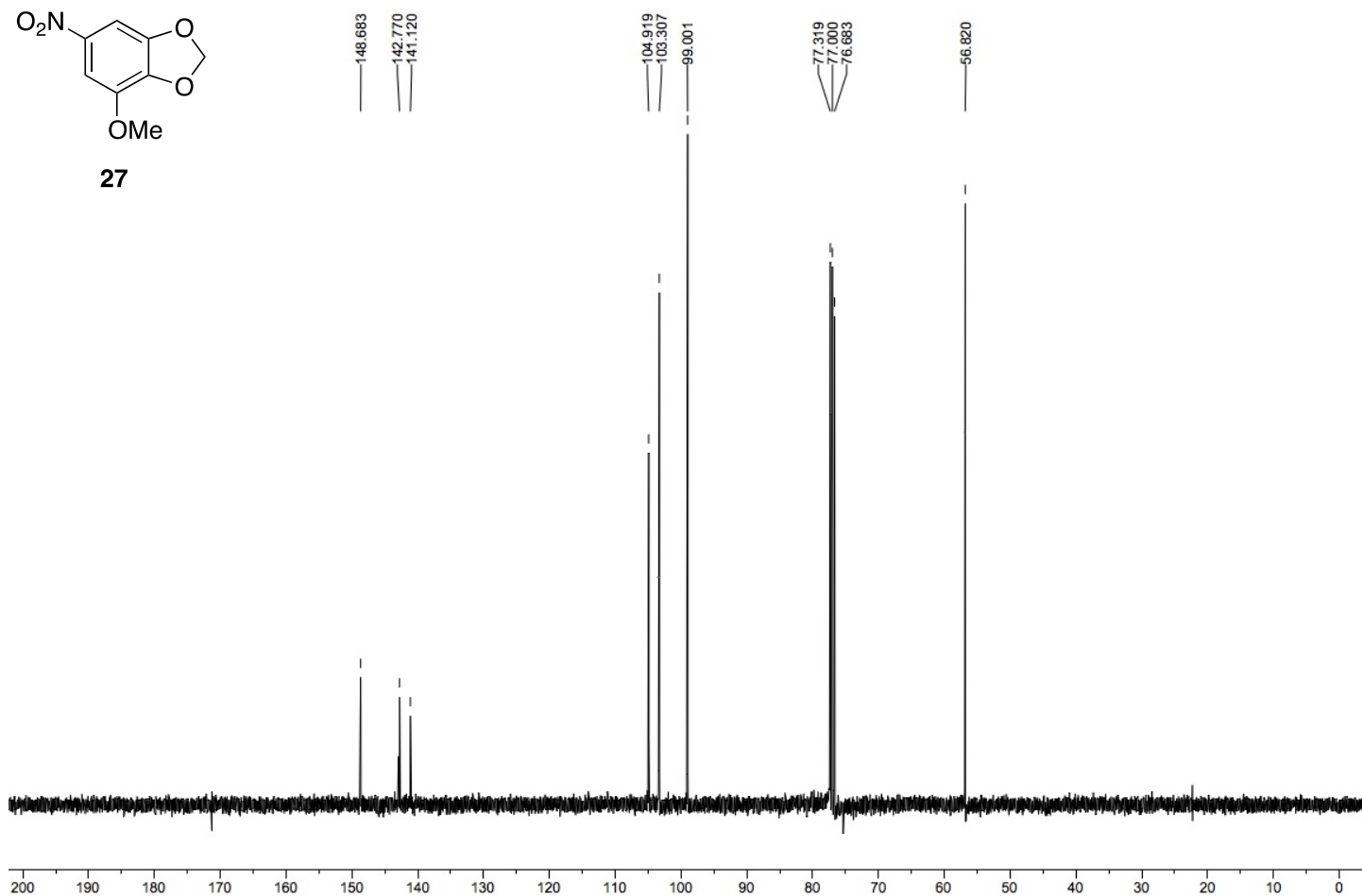


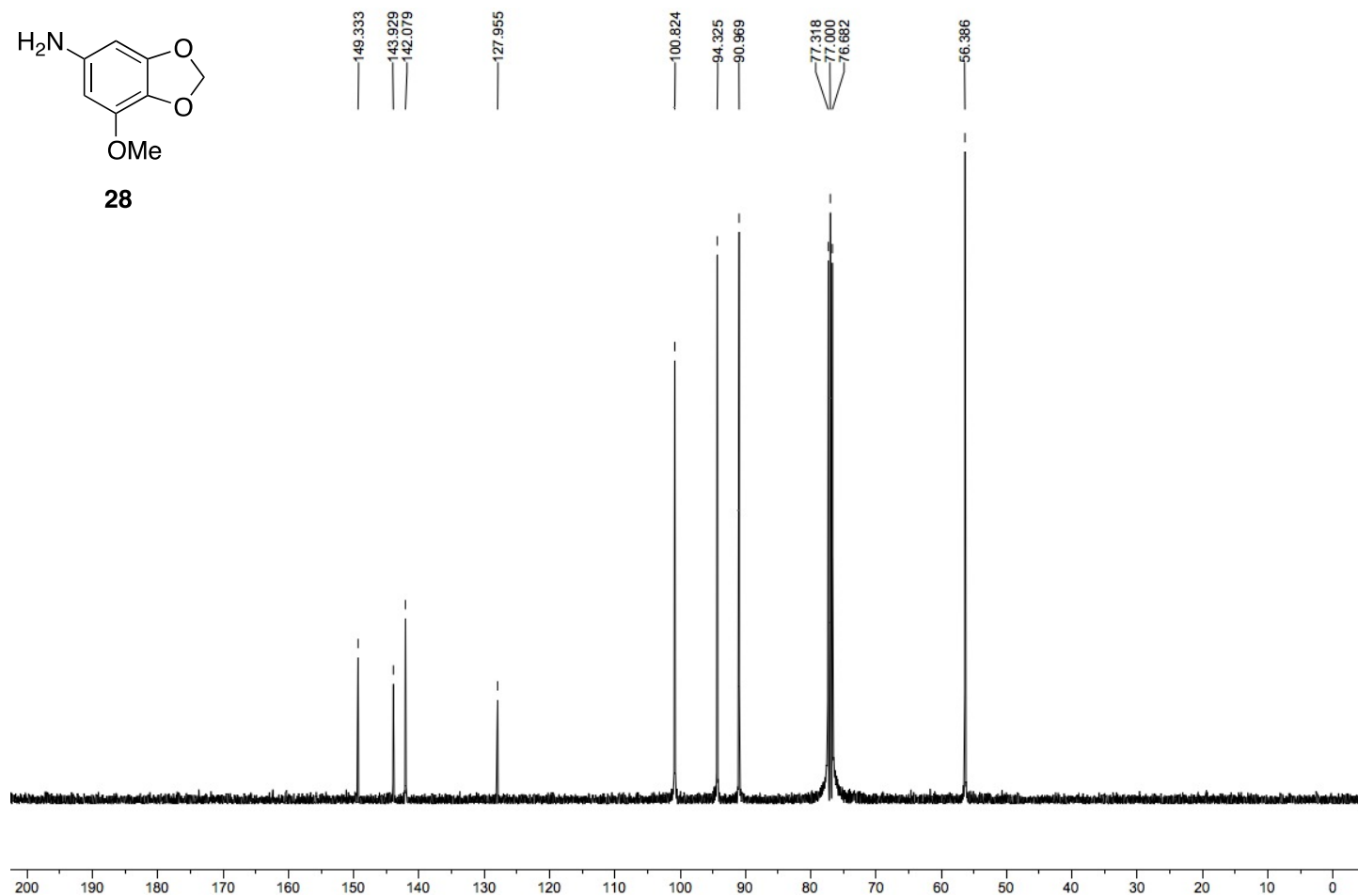
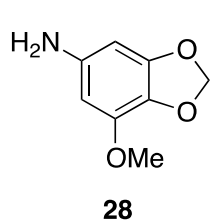
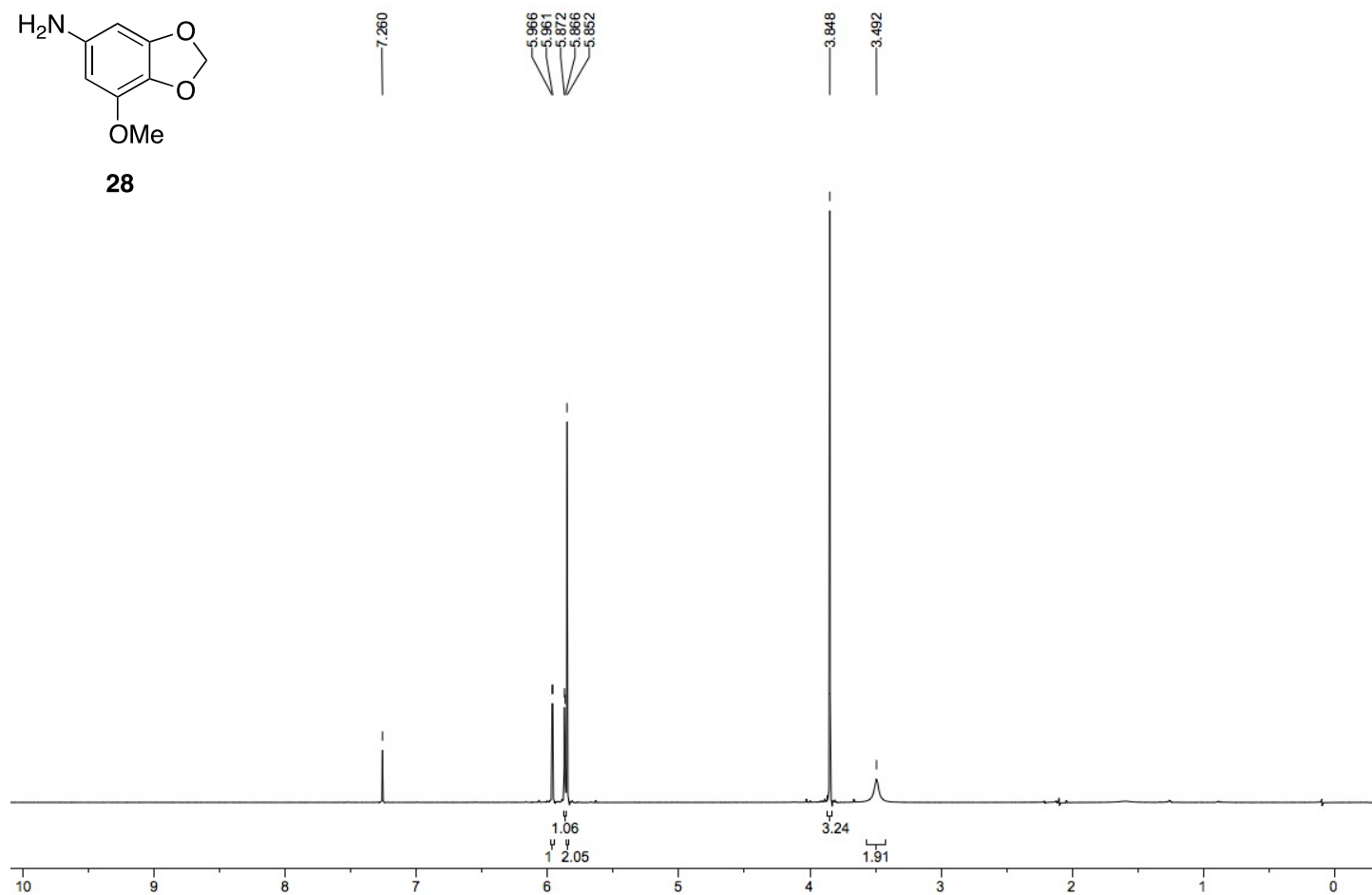
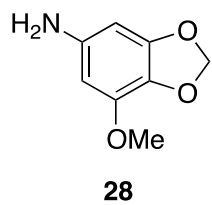


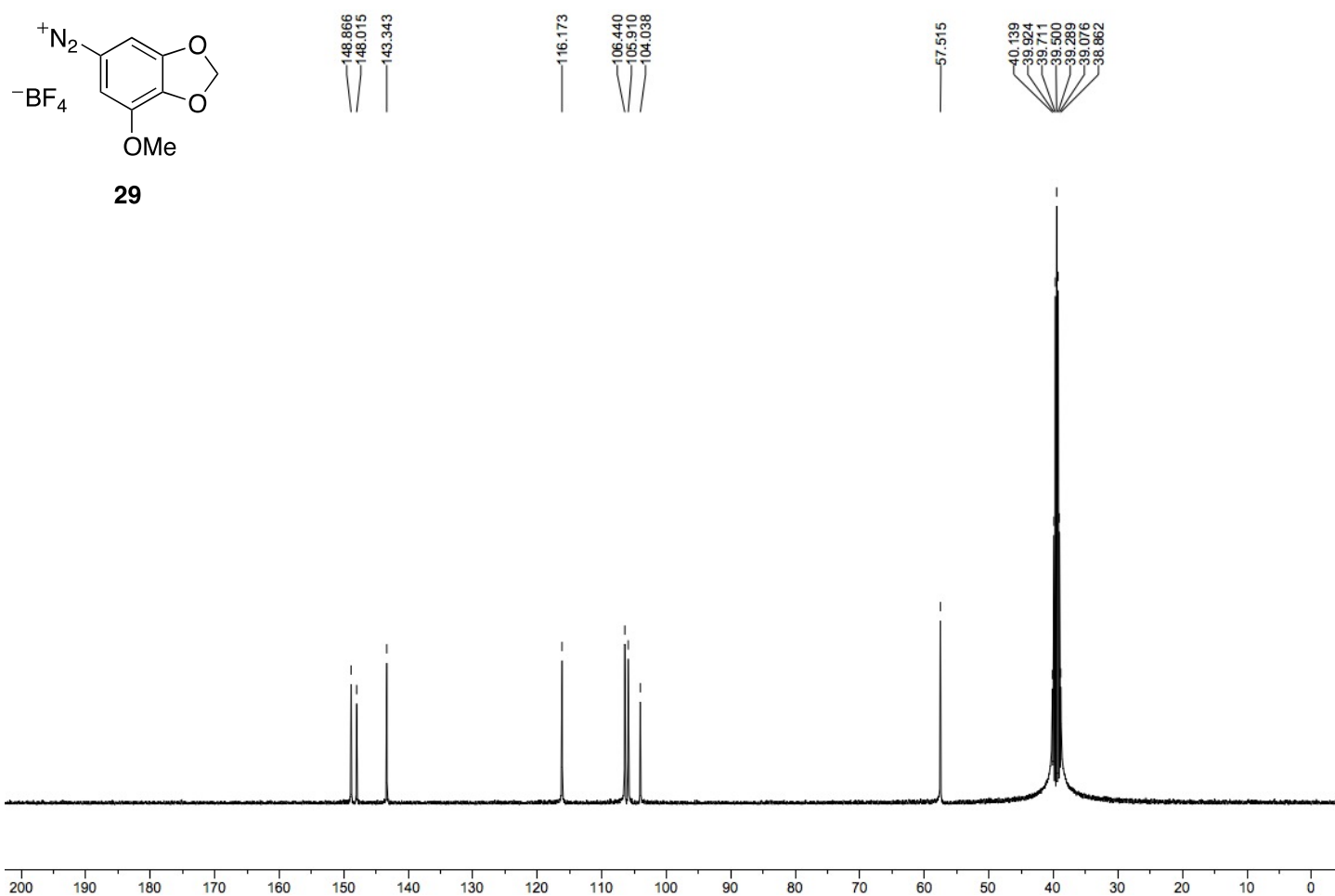
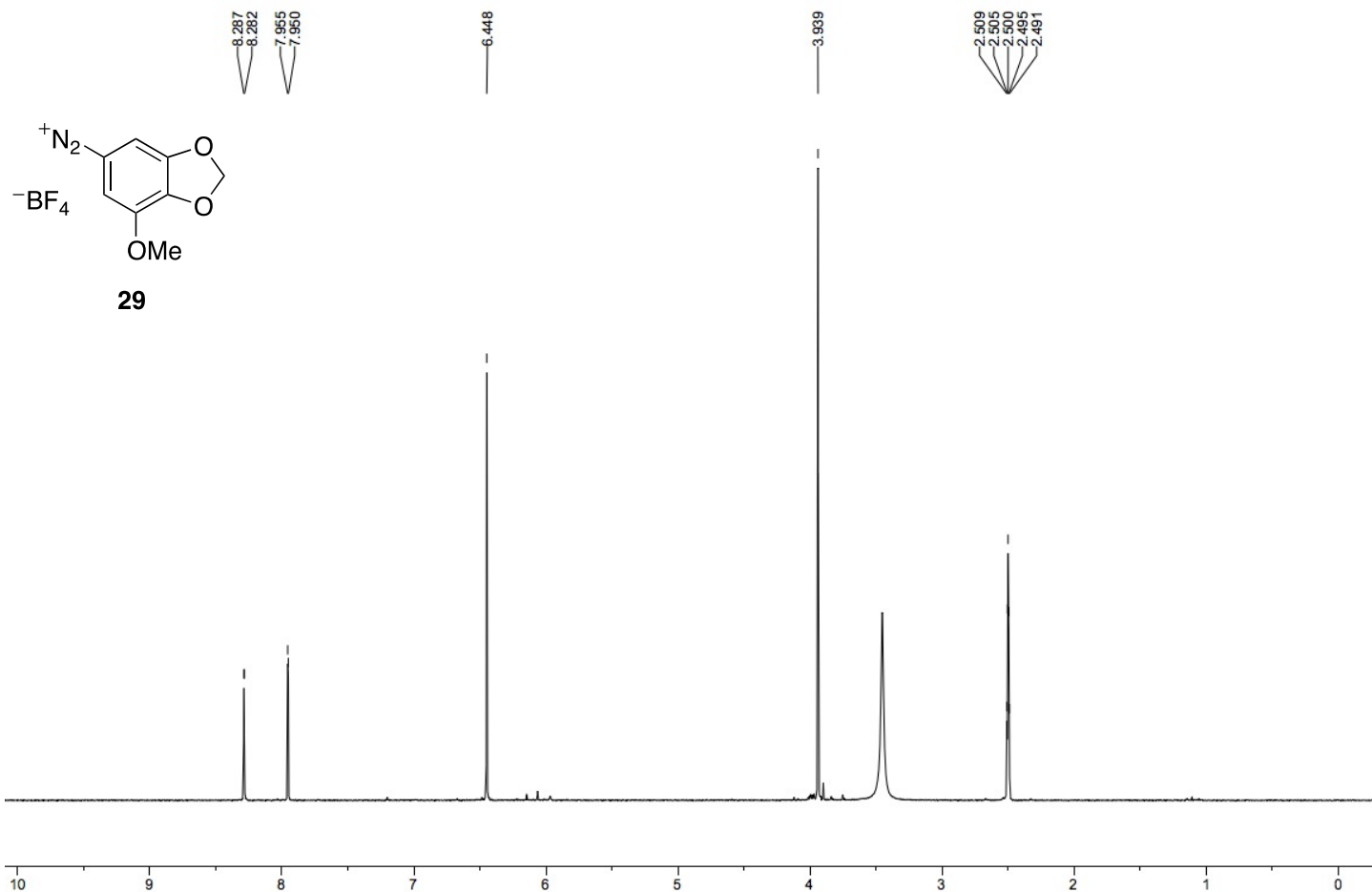
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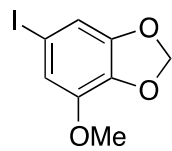


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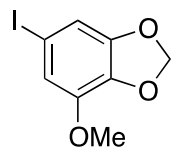
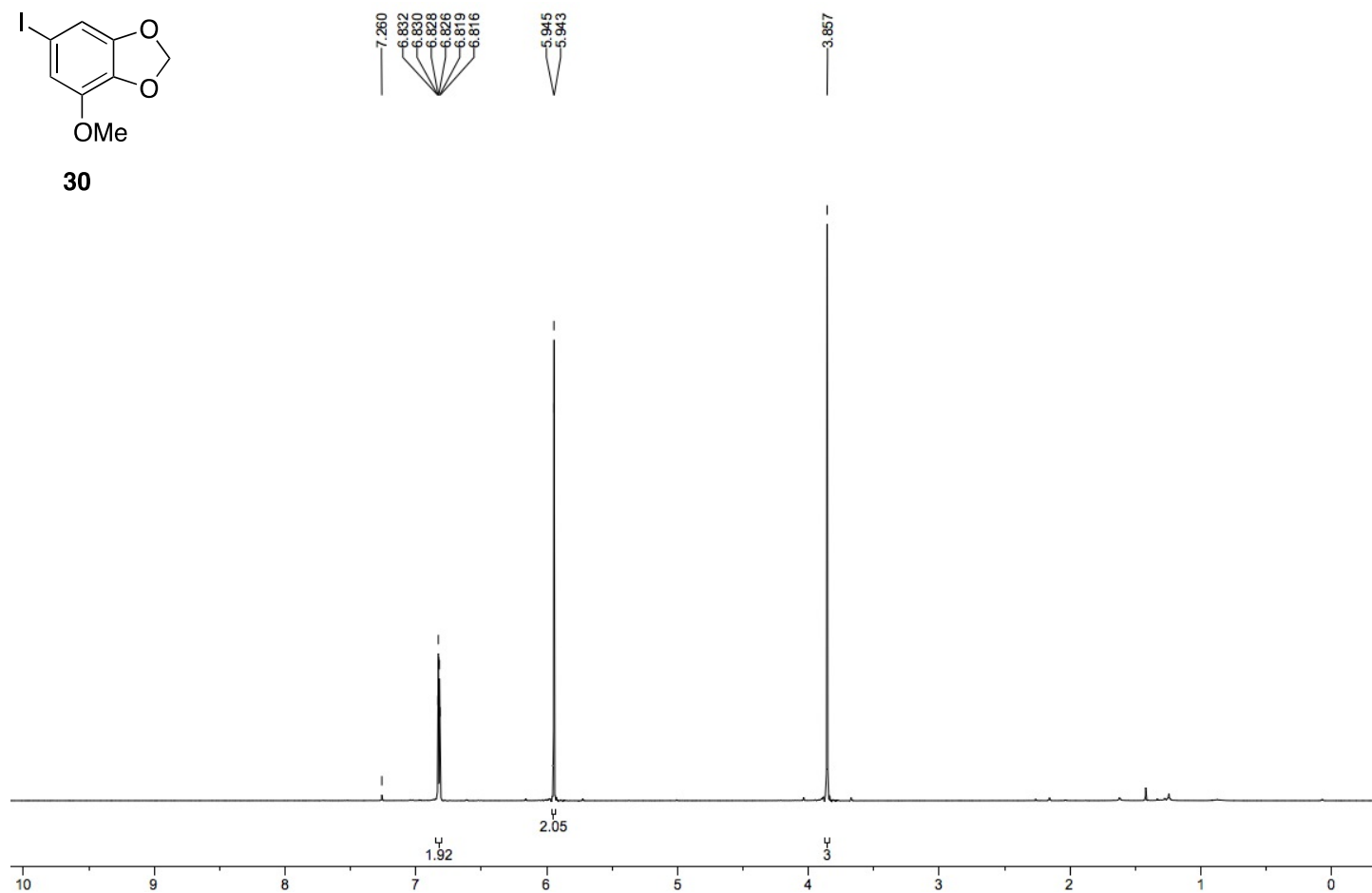




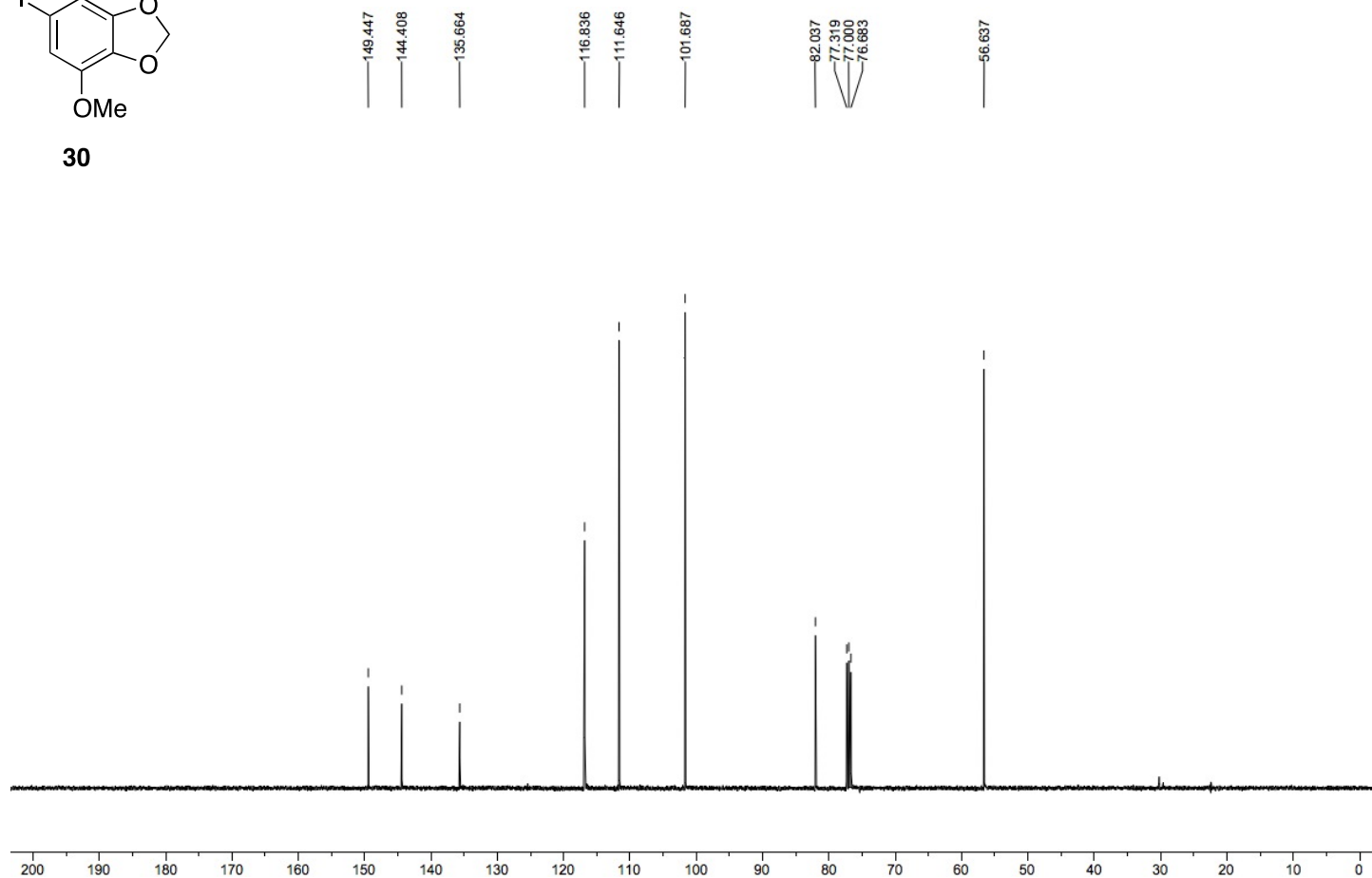


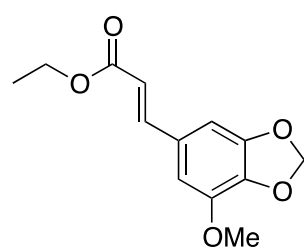


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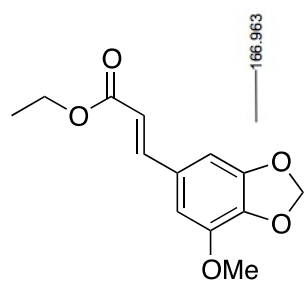
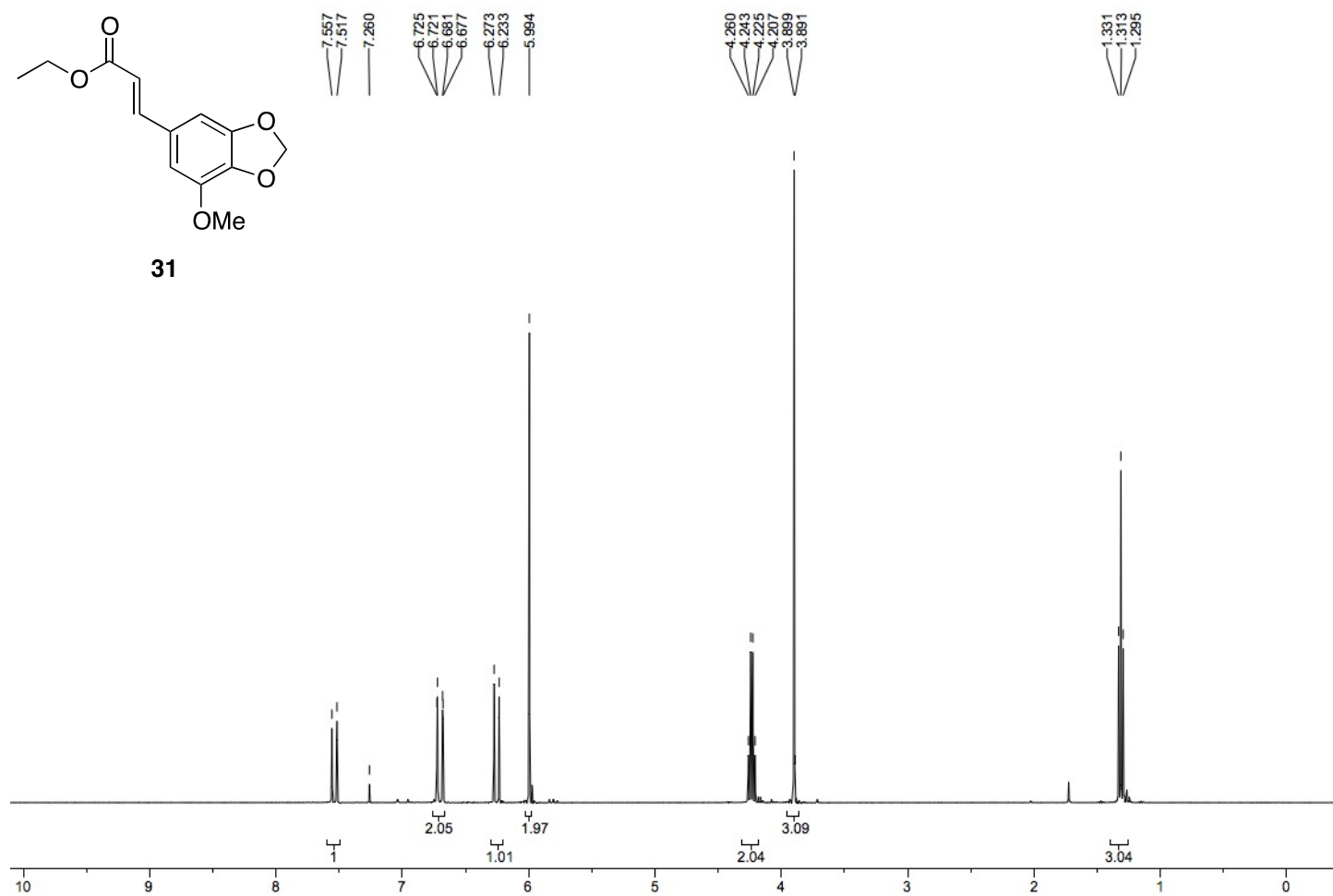


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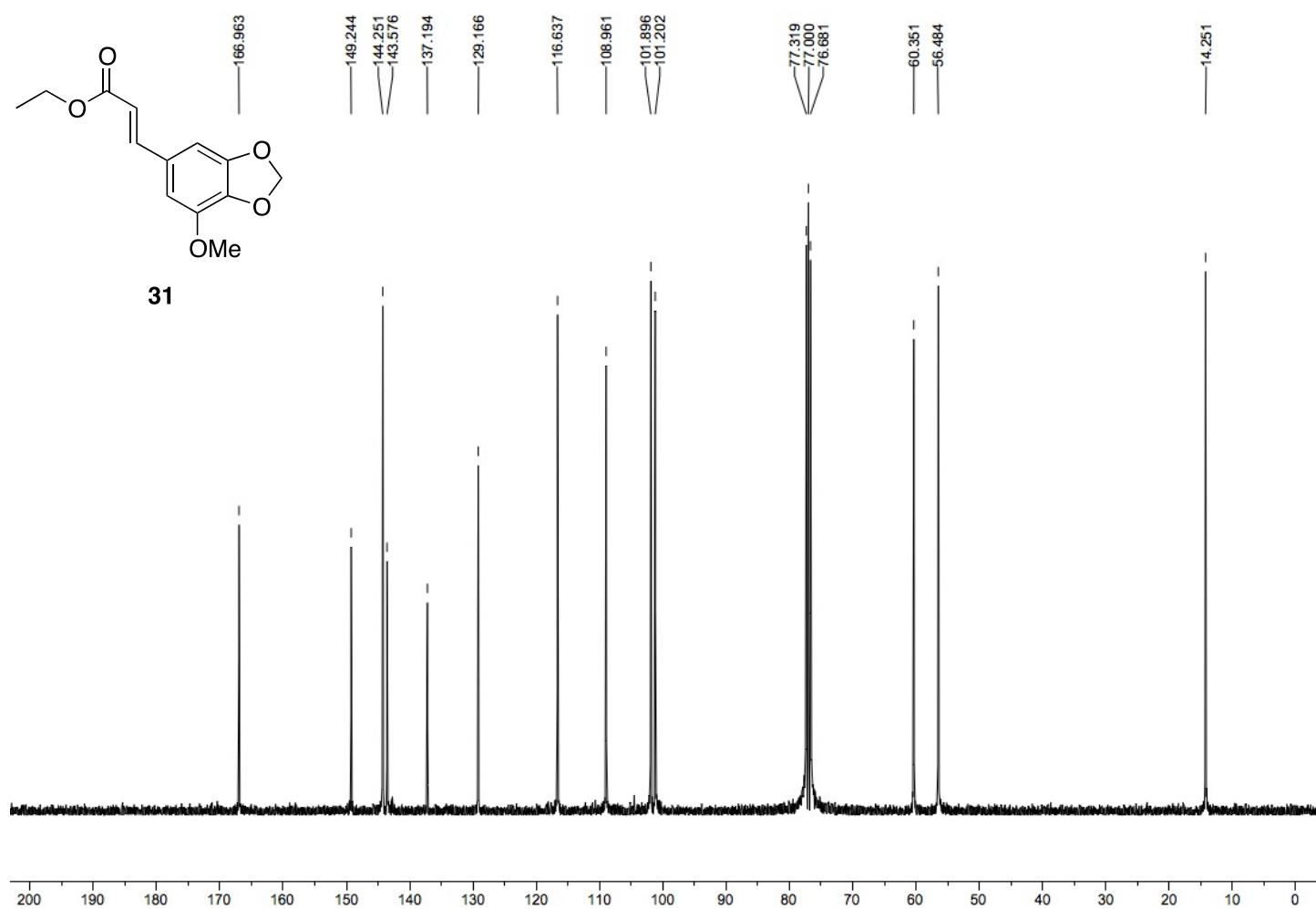


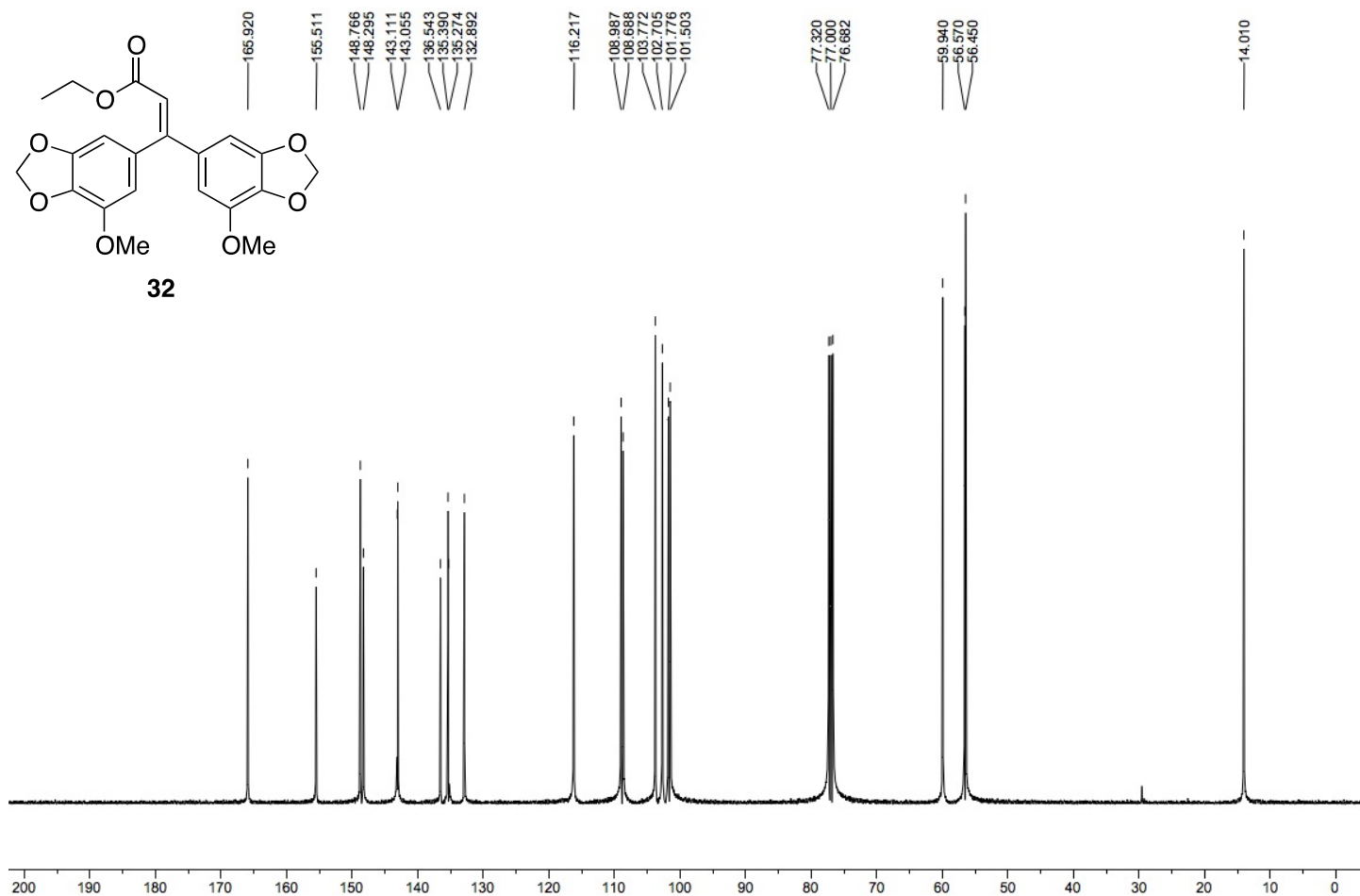
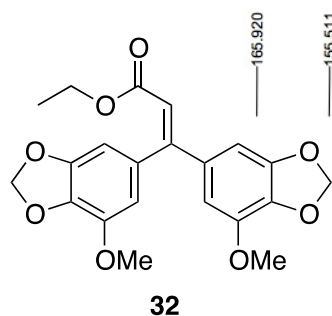
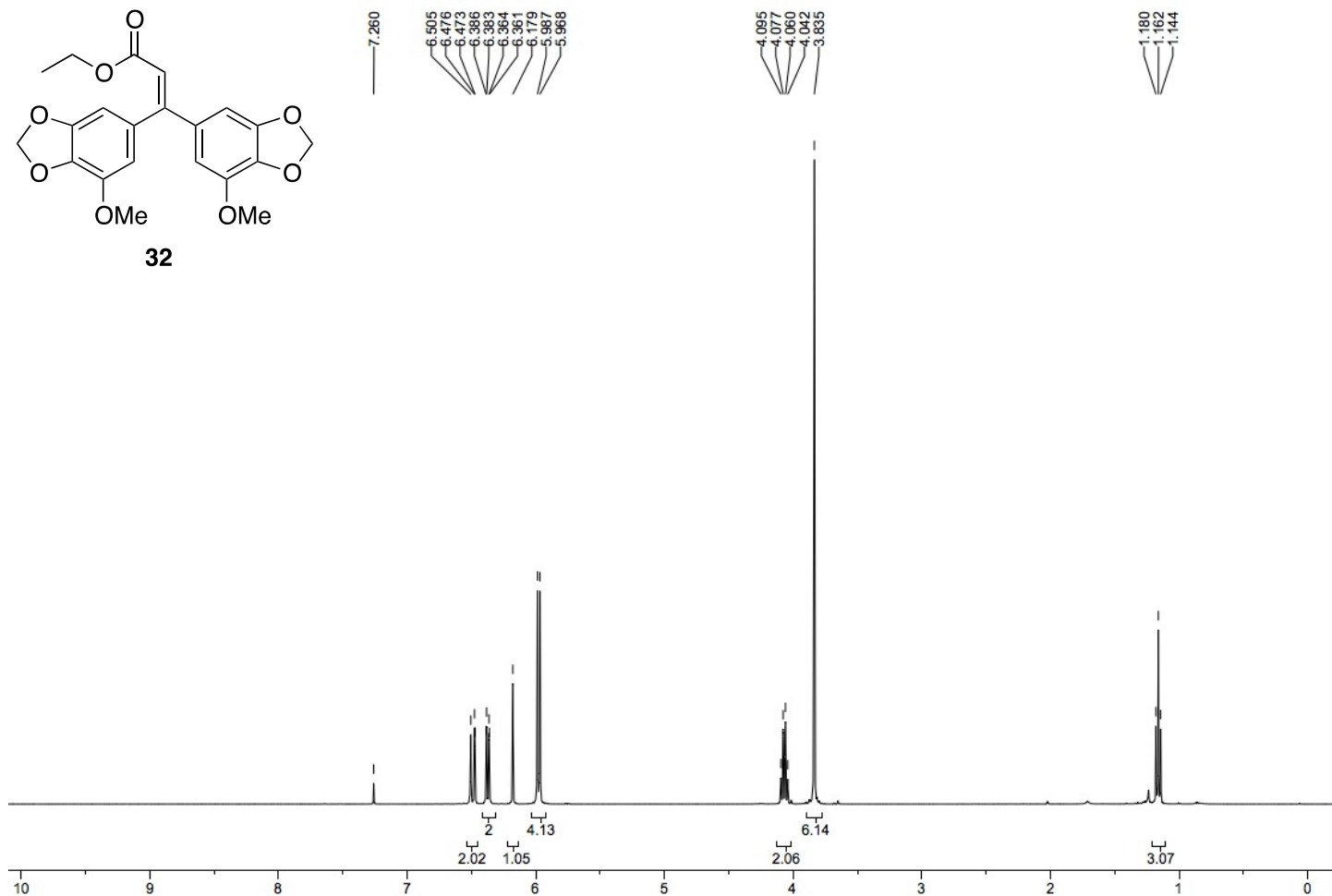
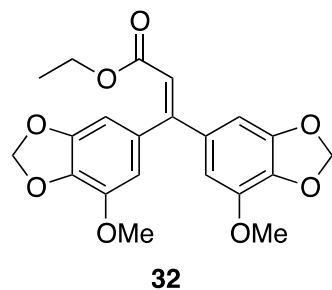


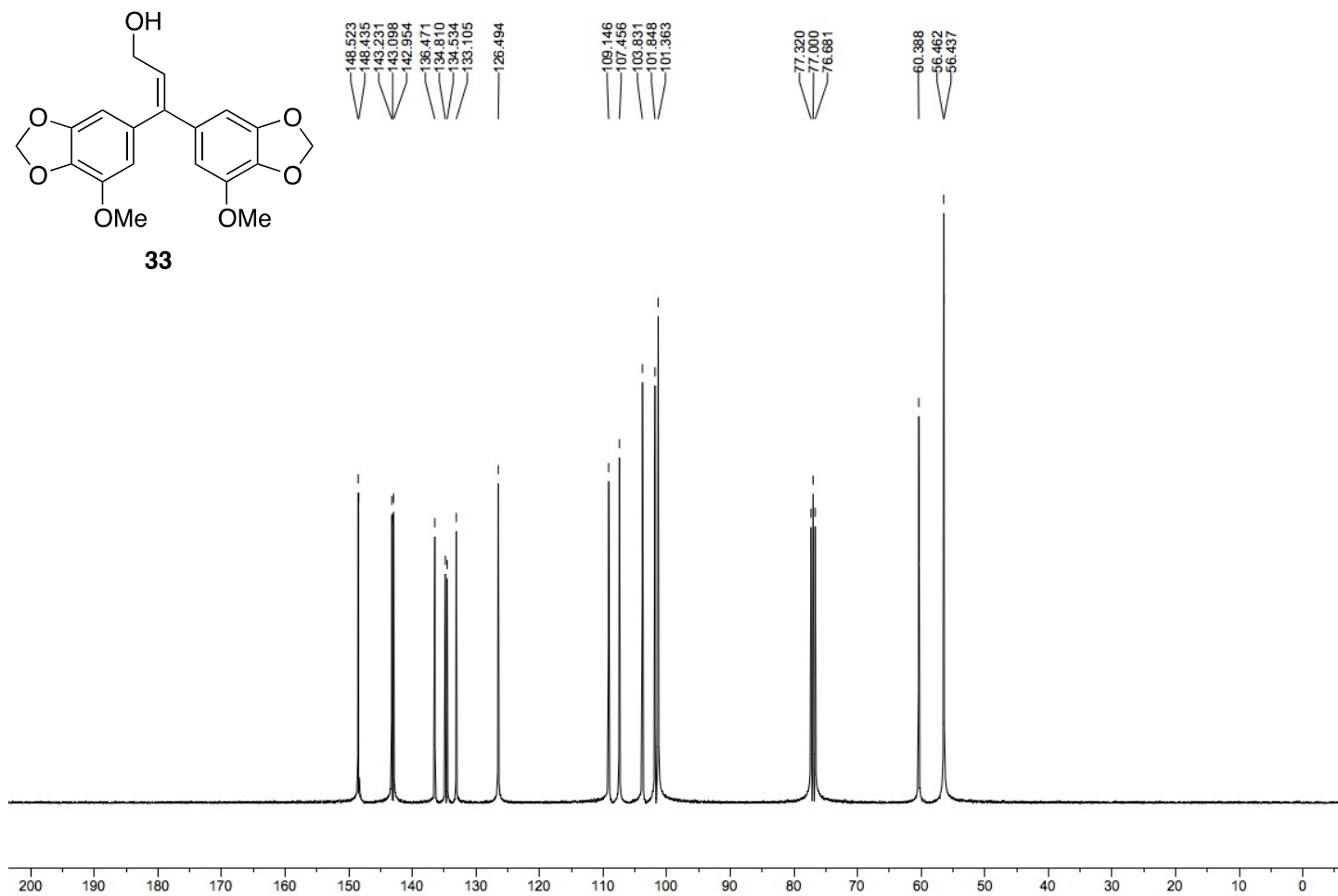
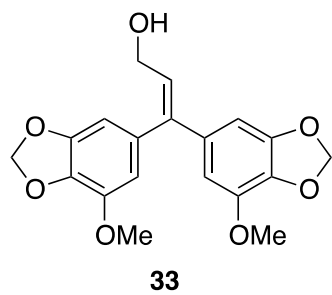
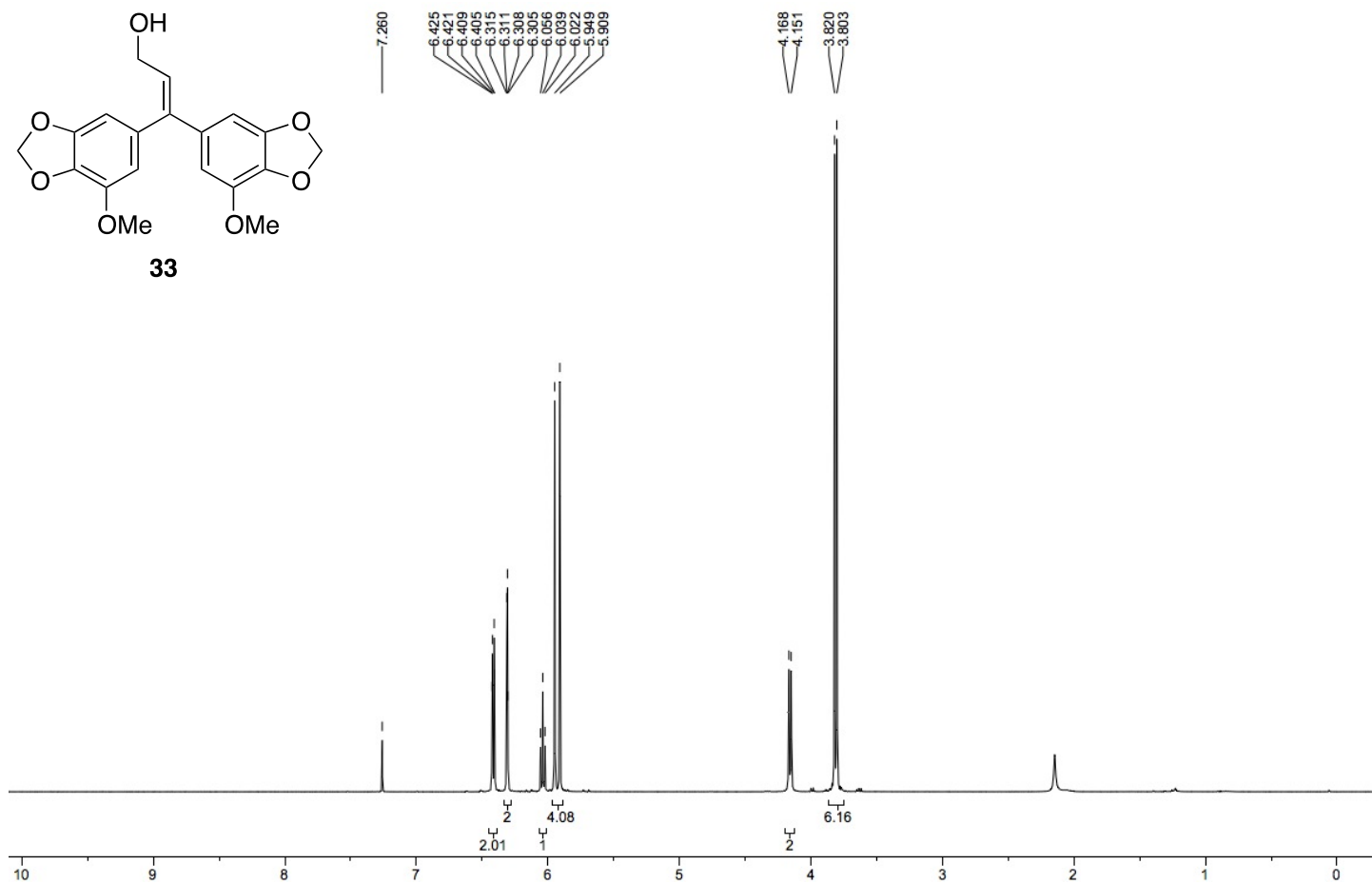
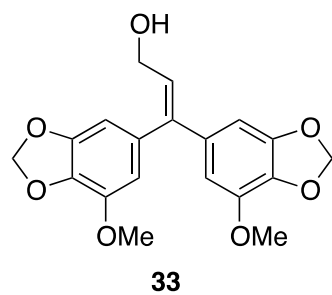
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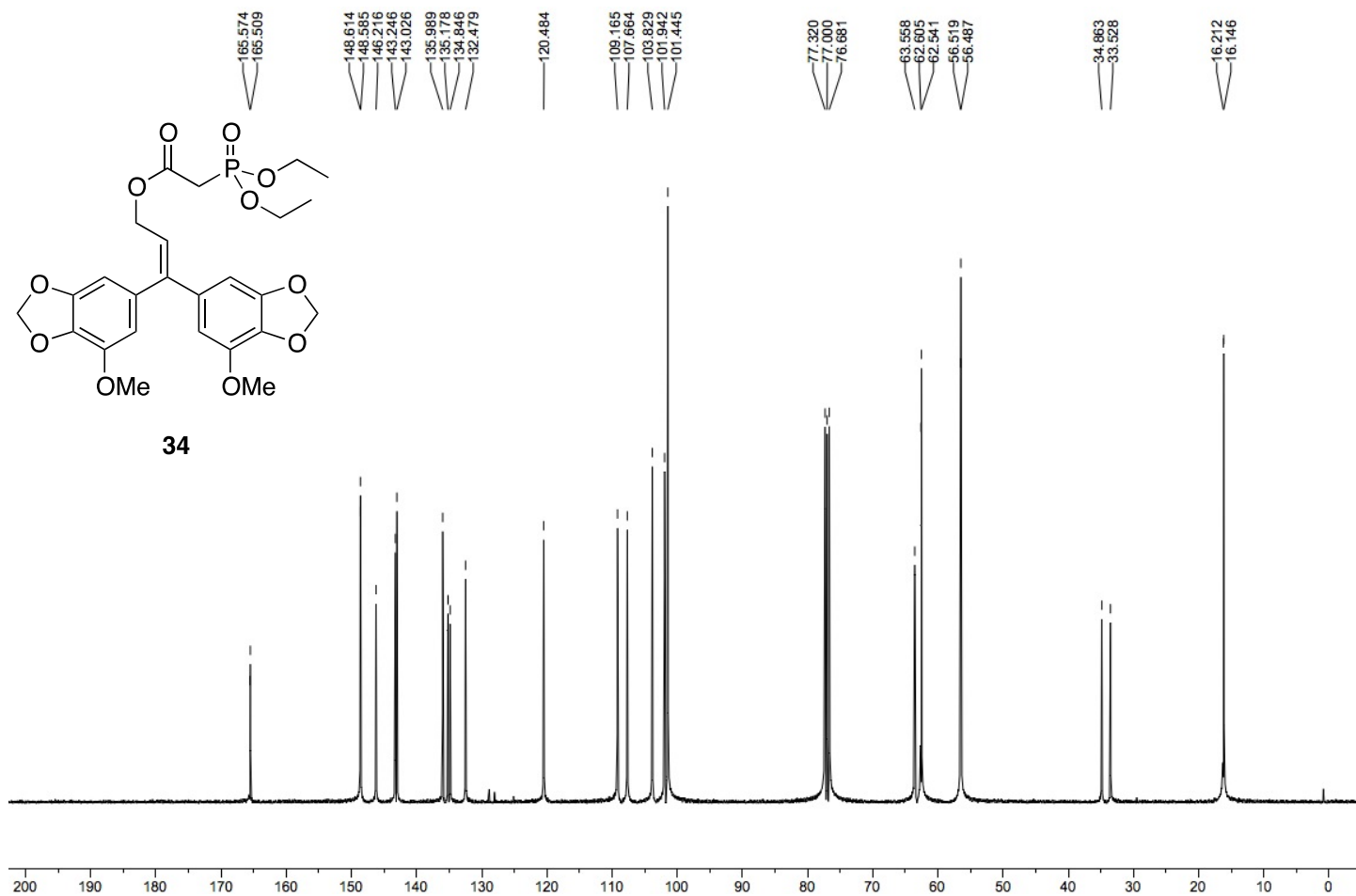
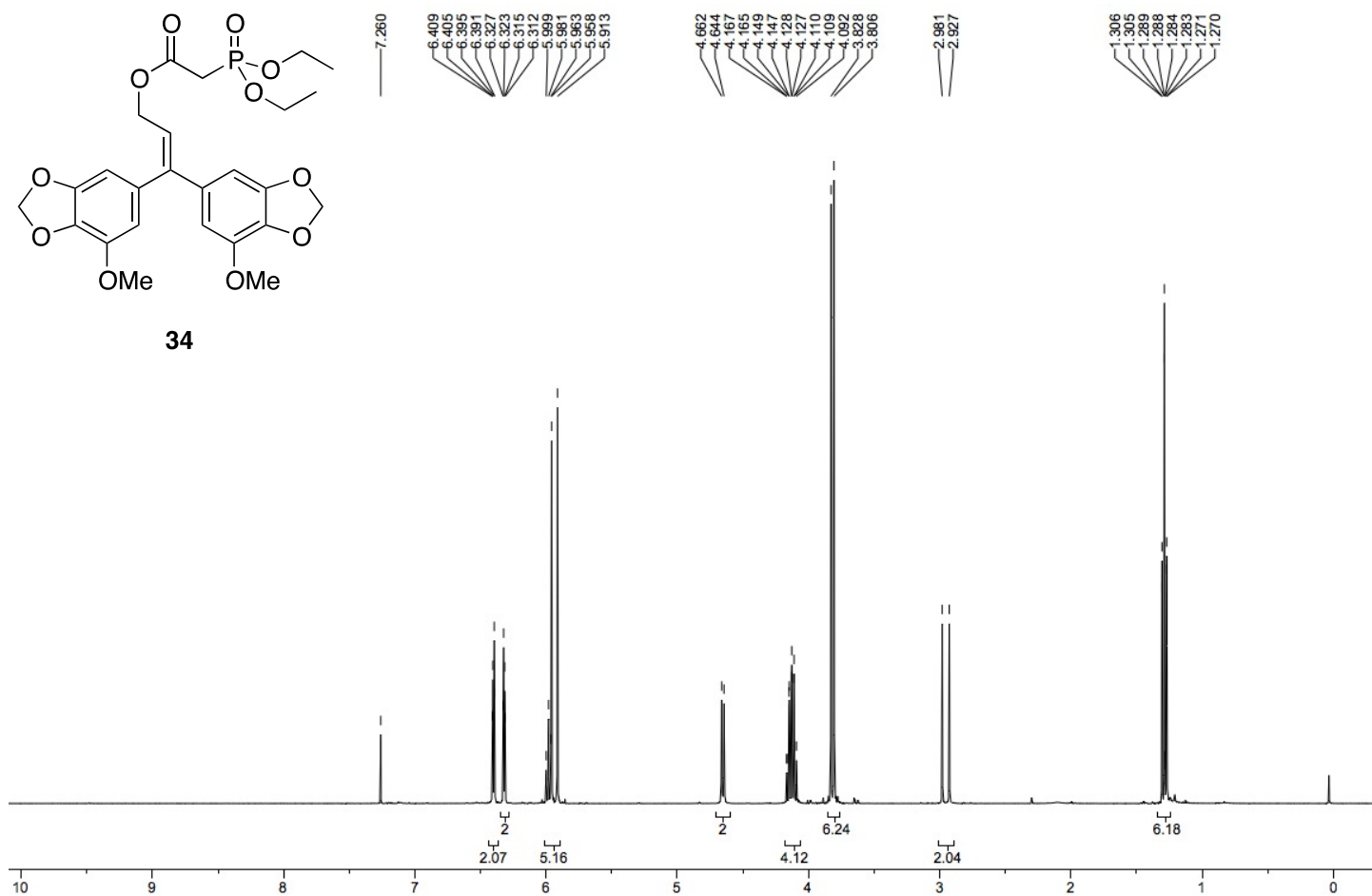


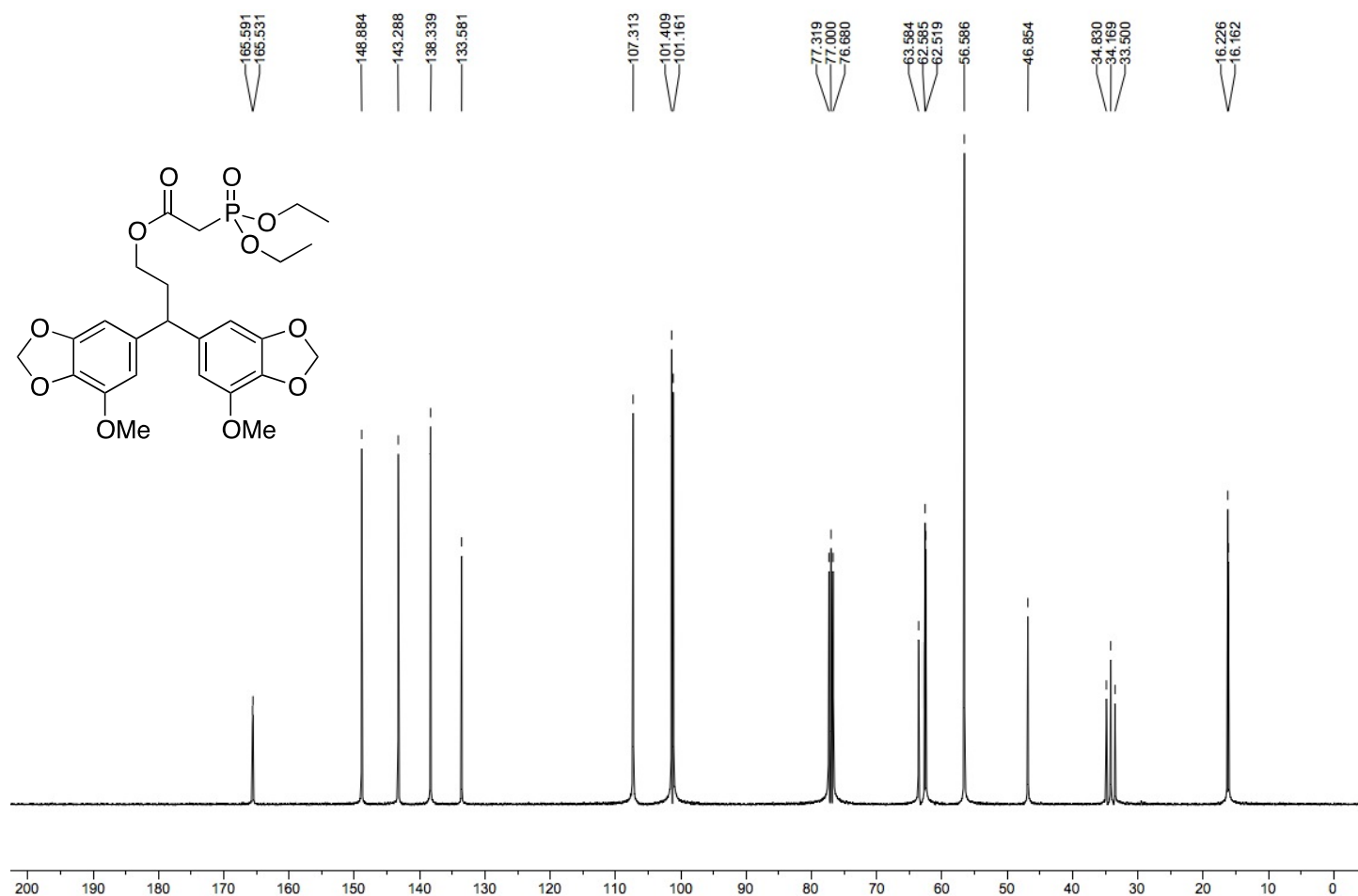
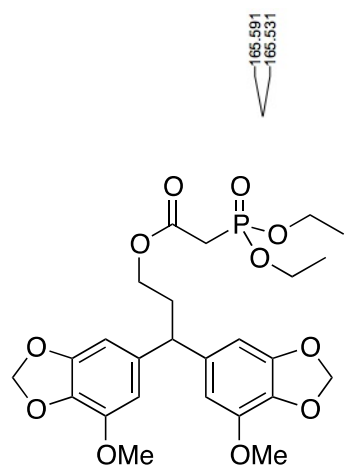
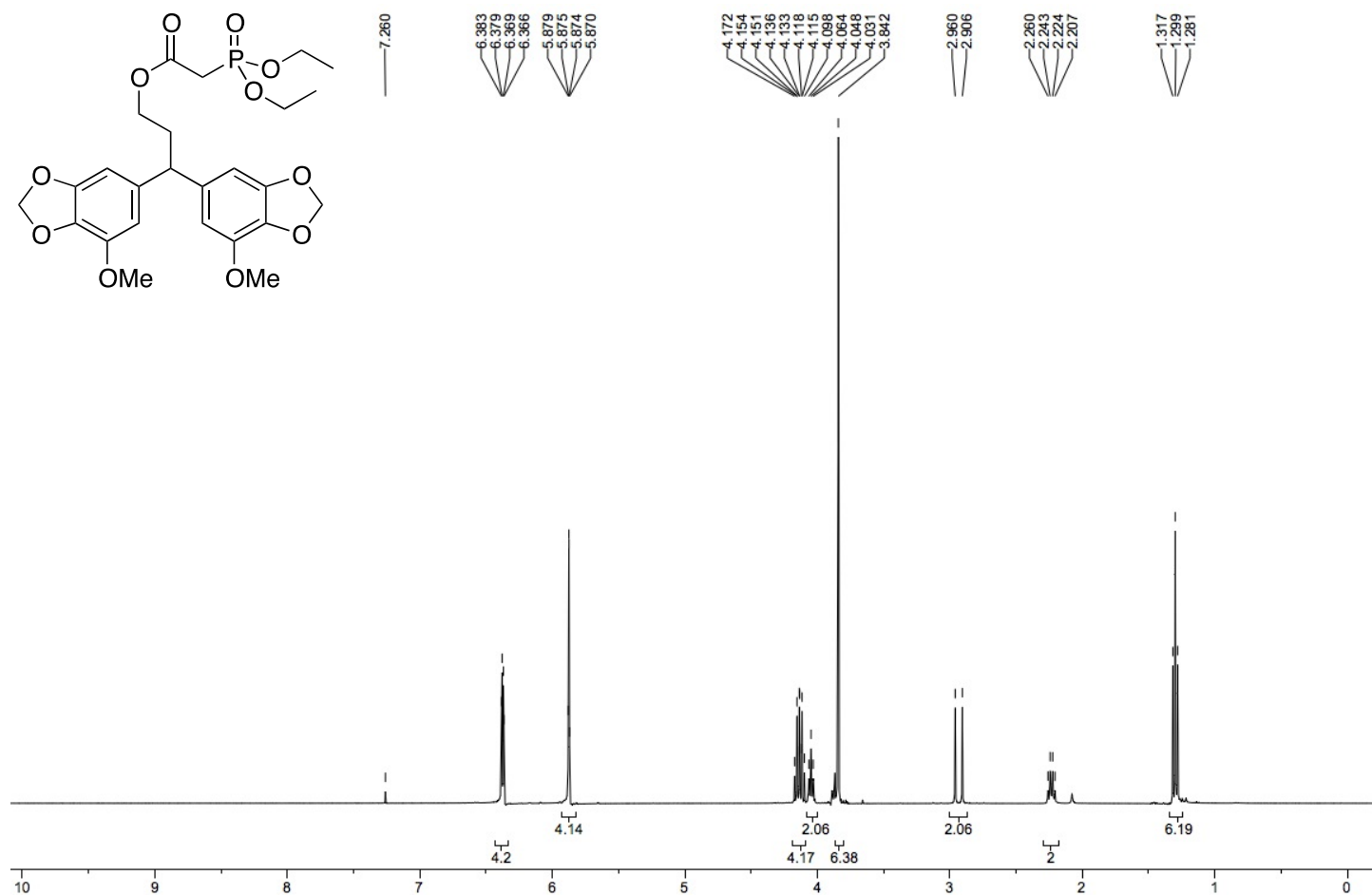
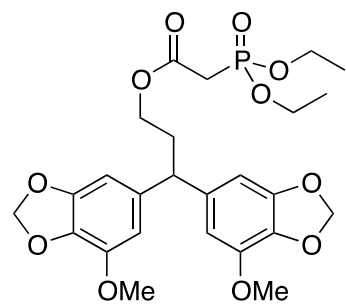
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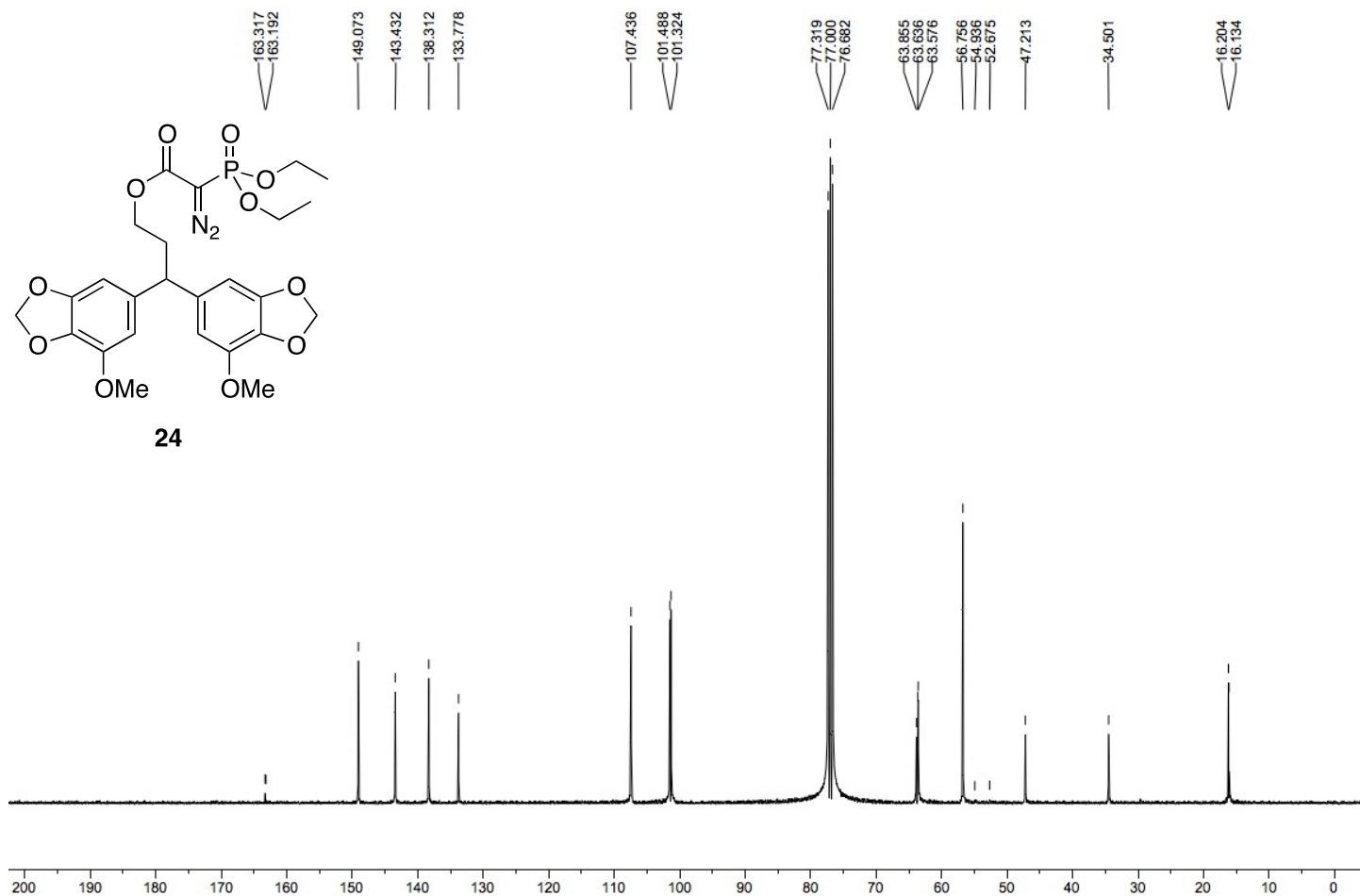
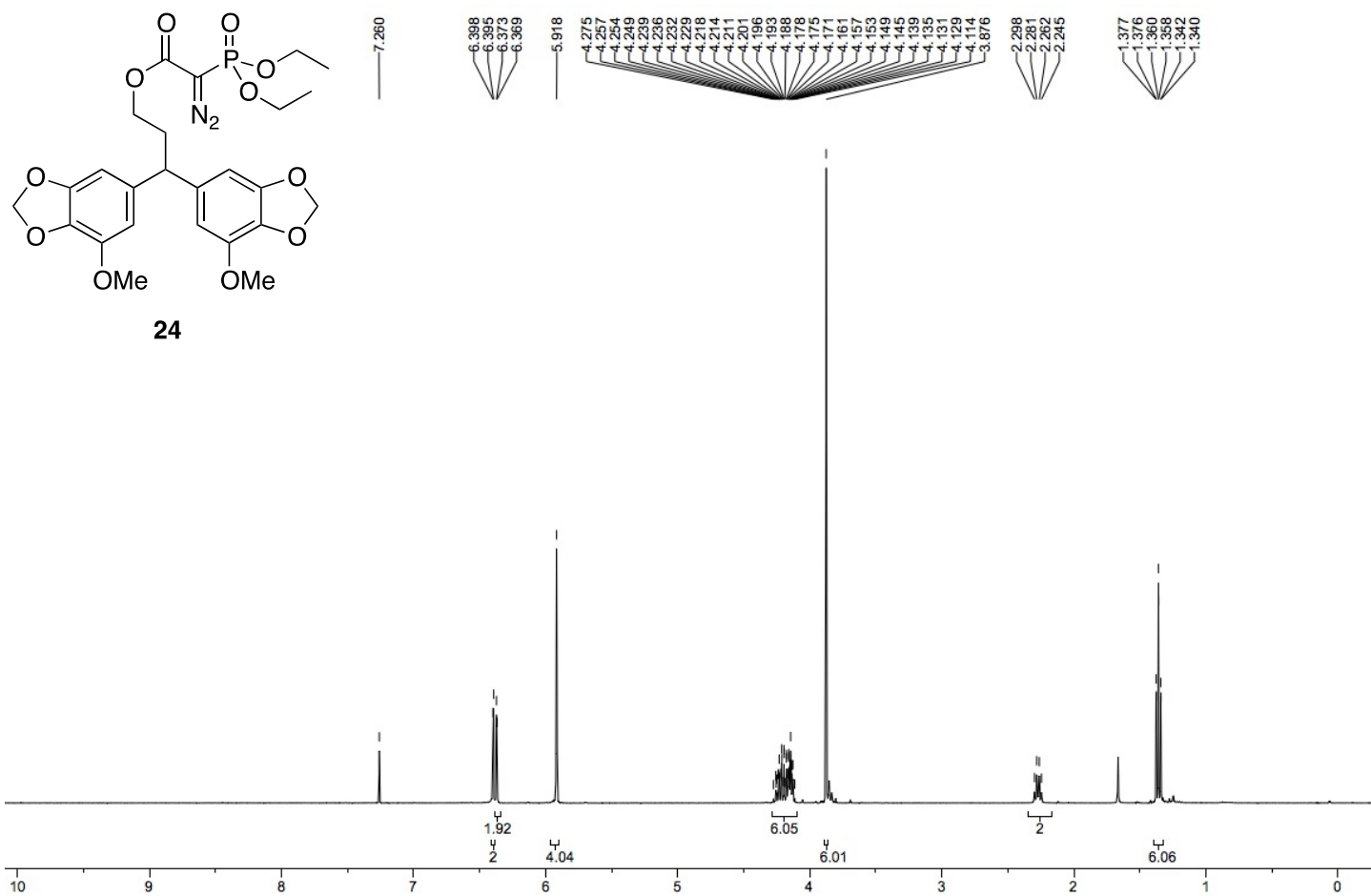


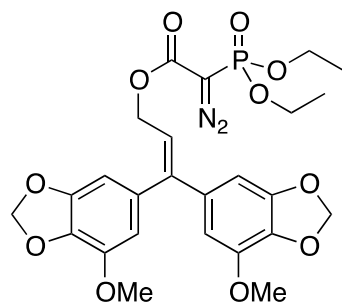




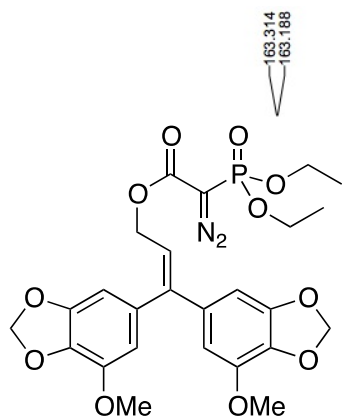
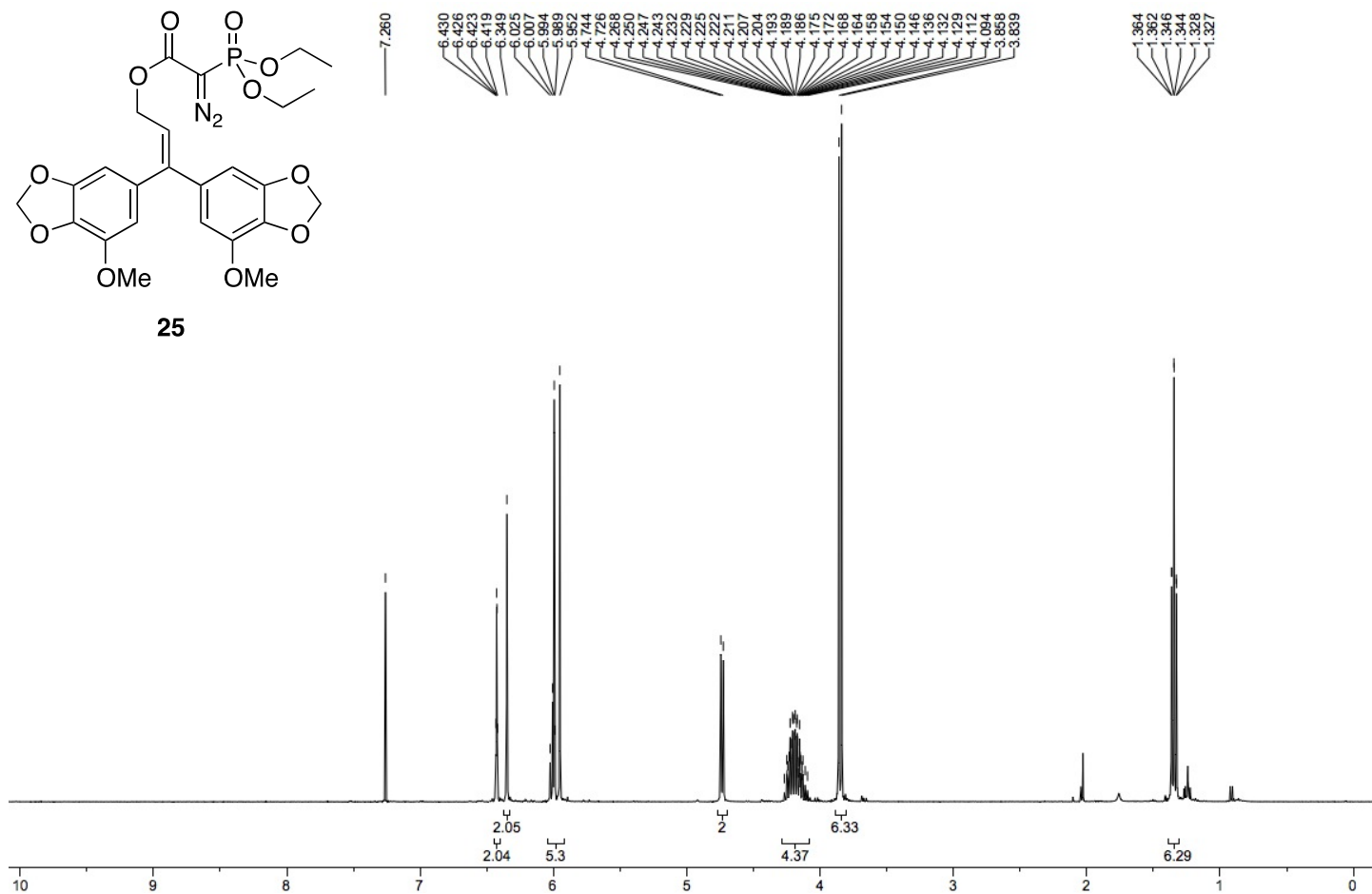




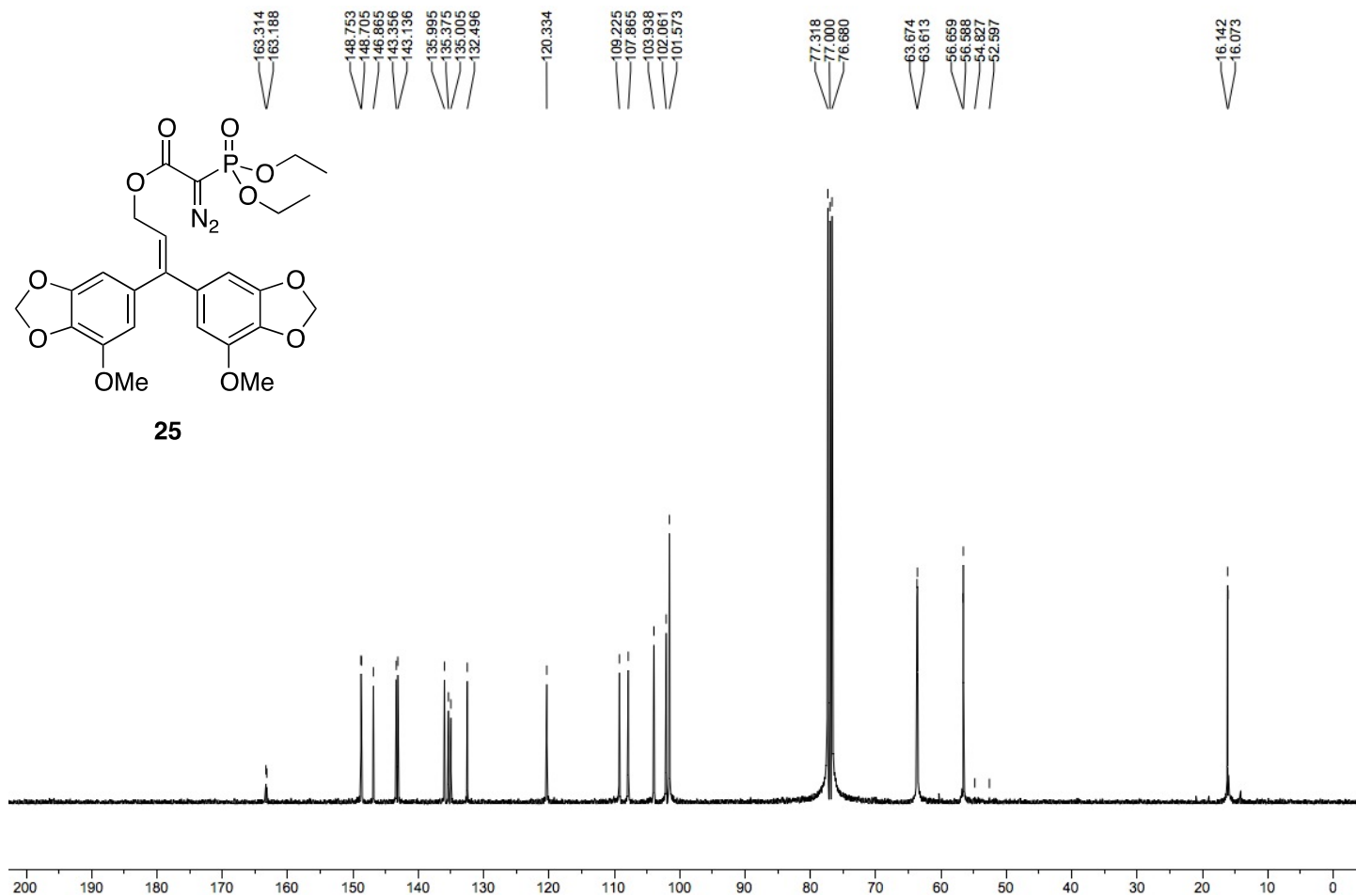


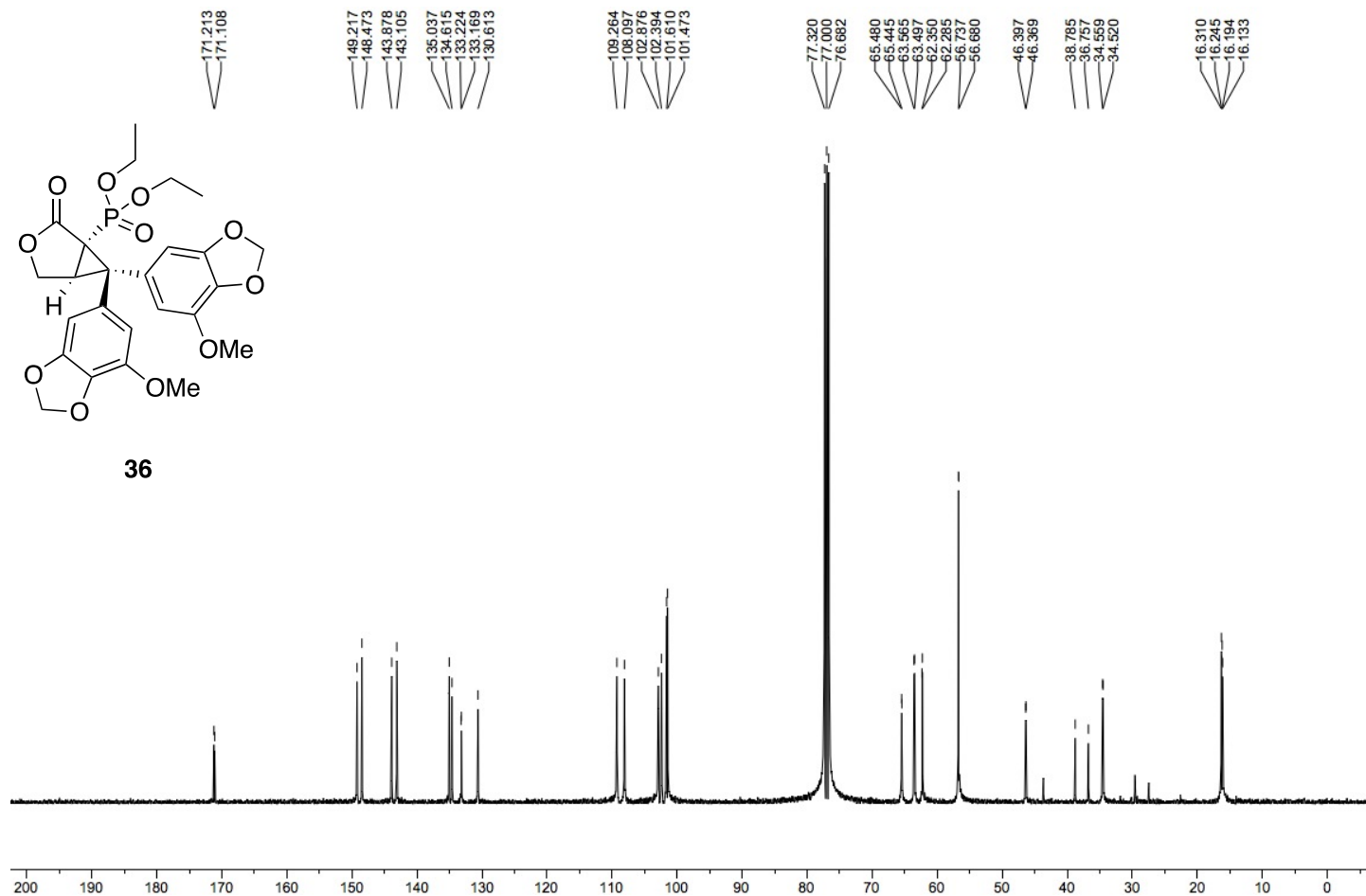


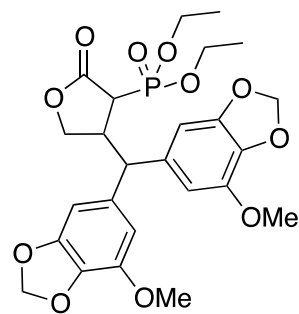
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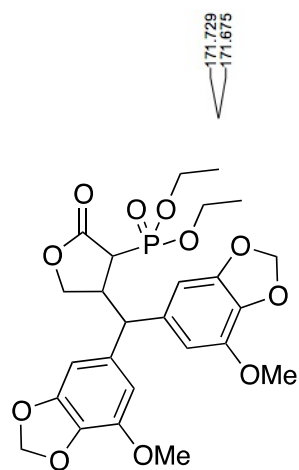
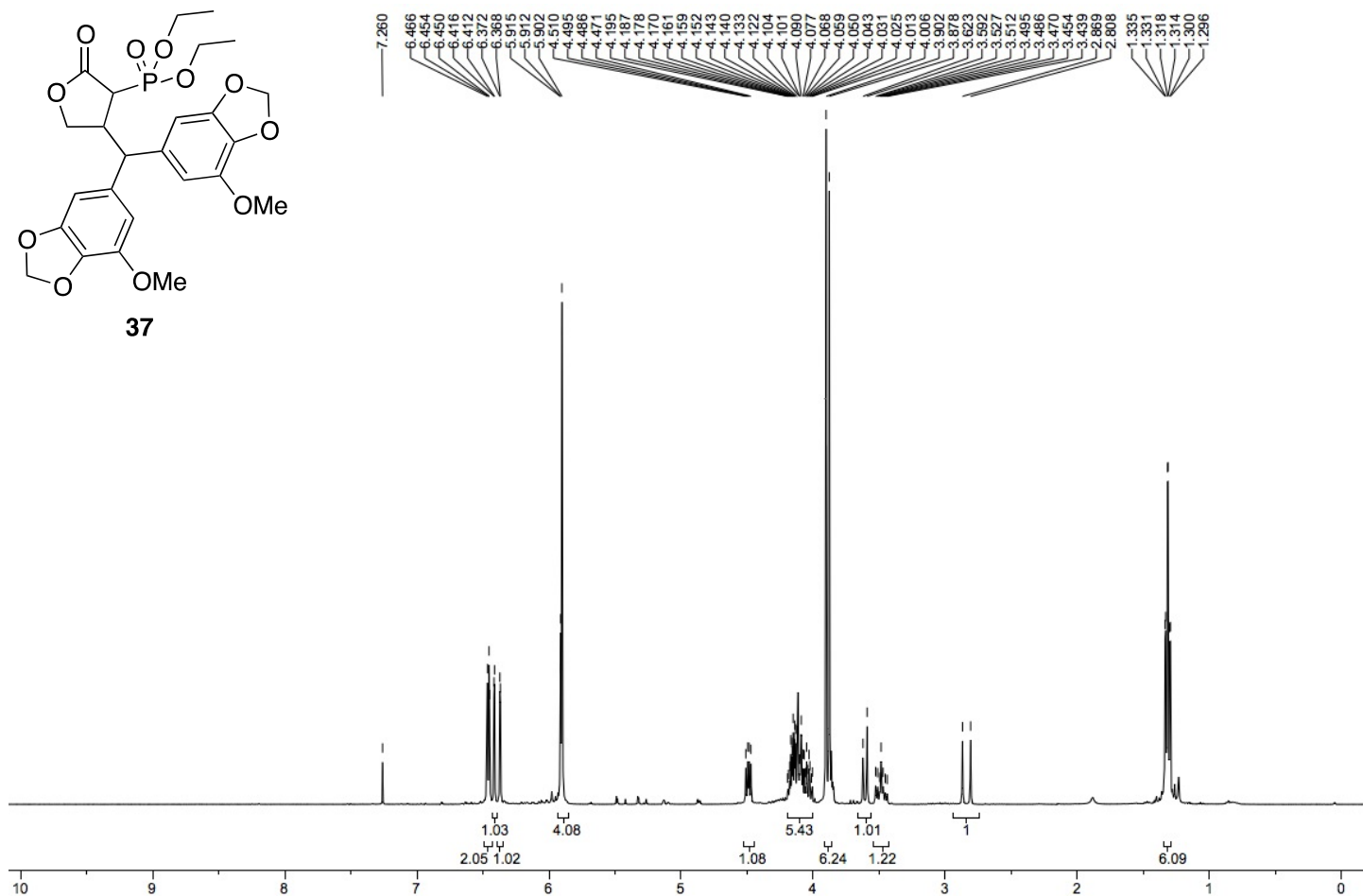
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