

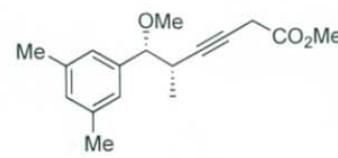
Supporting Information 2:

**Rhodium(II)-Catalyzed Alkyne Amination of Homopropargylic Sulfamate Esters:
Stereoselective Synthesis of Functionalized Norcaradienes by Arene Cyclopropanation**

Ryan A. Brawn, Kaicheng Zhu and James S. Panek*

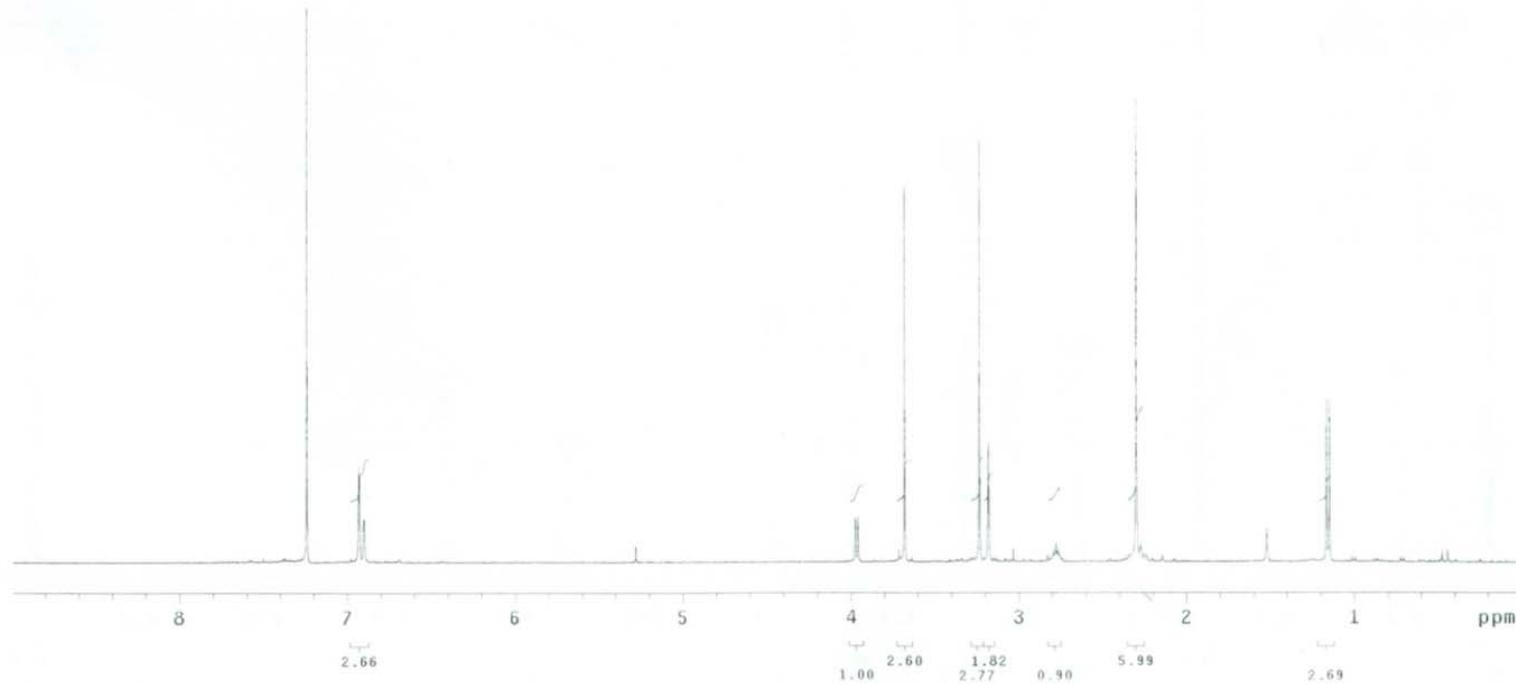
Department of Chemistry and Center for Chemical Methodology and Library Development, Metcalf Center for Science and Engineering, 590
Commonwealth Avenue, Boston University, Boston, Massachusetts 02215

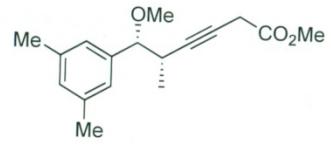
5. ^1H and ^{13}C NMR Spectra



3/RAB_9_113B_Proton_01.fid

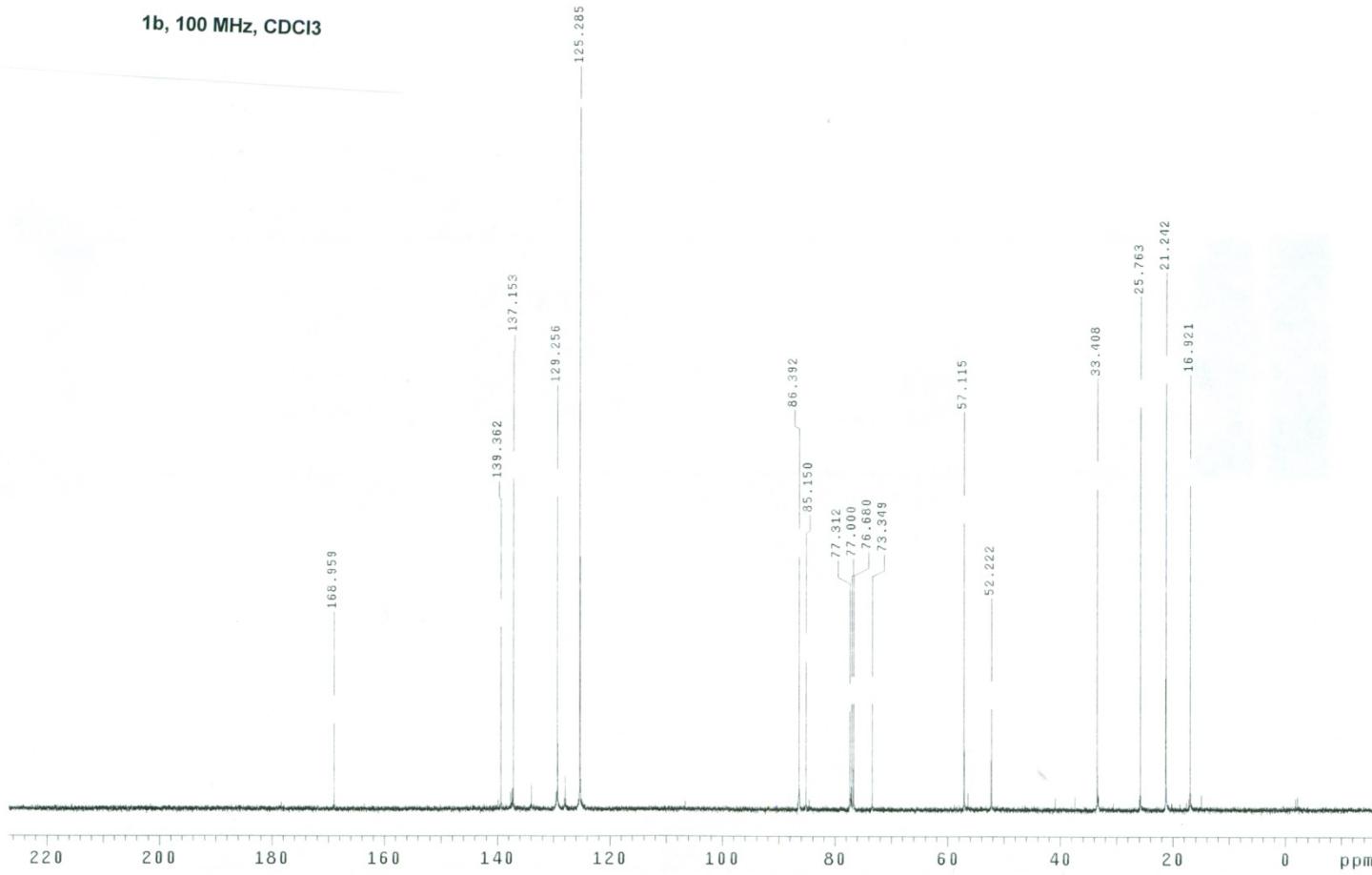
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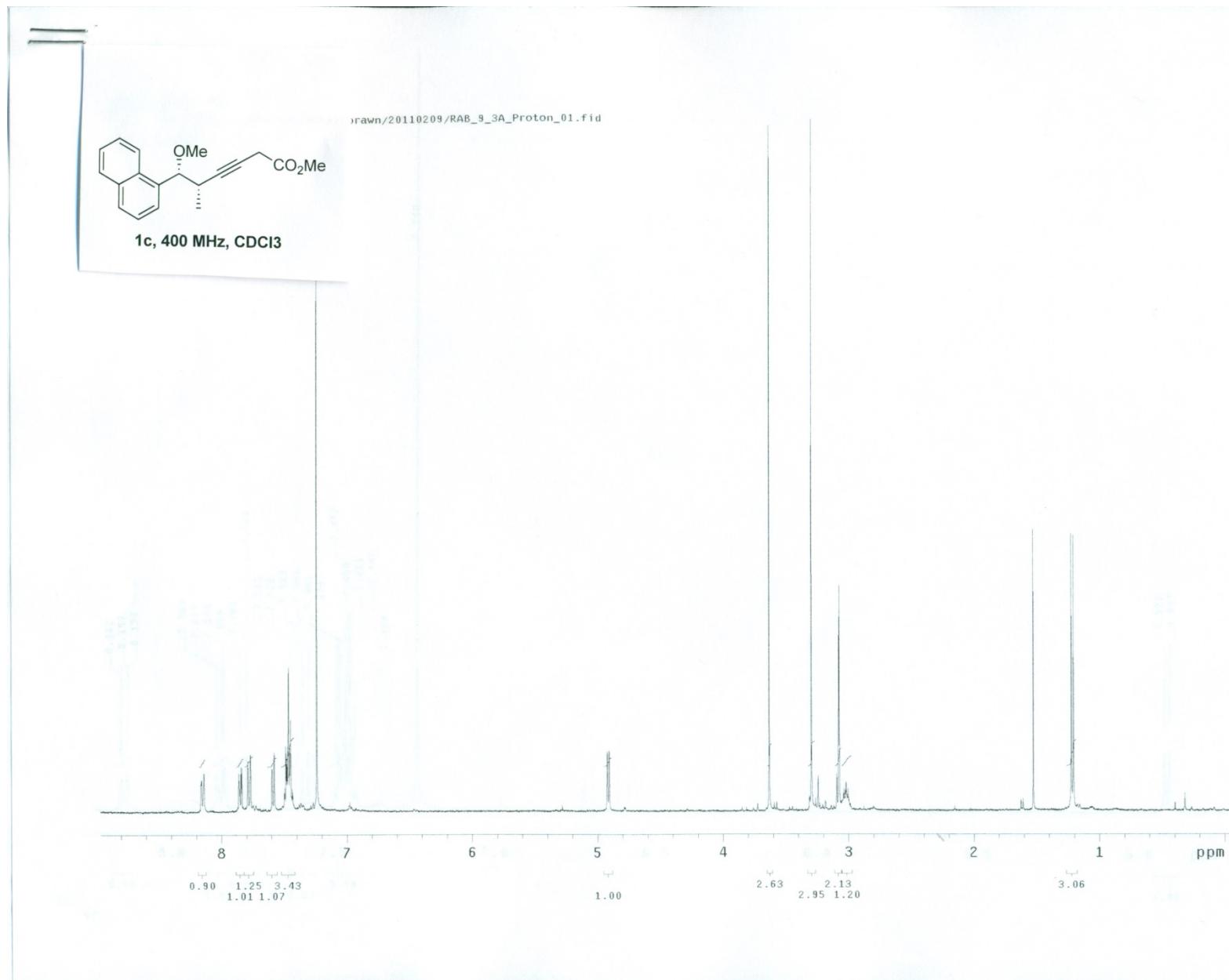


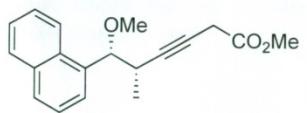


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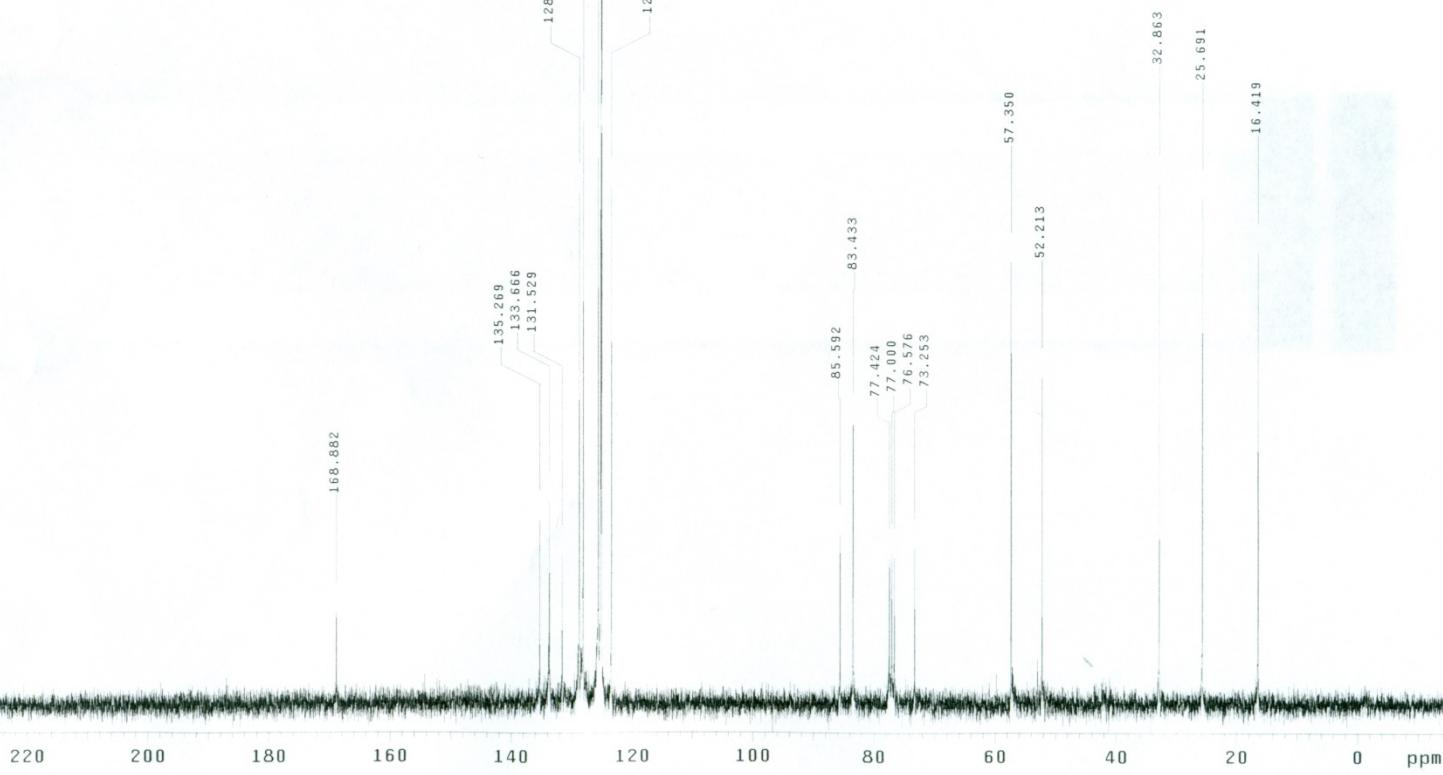


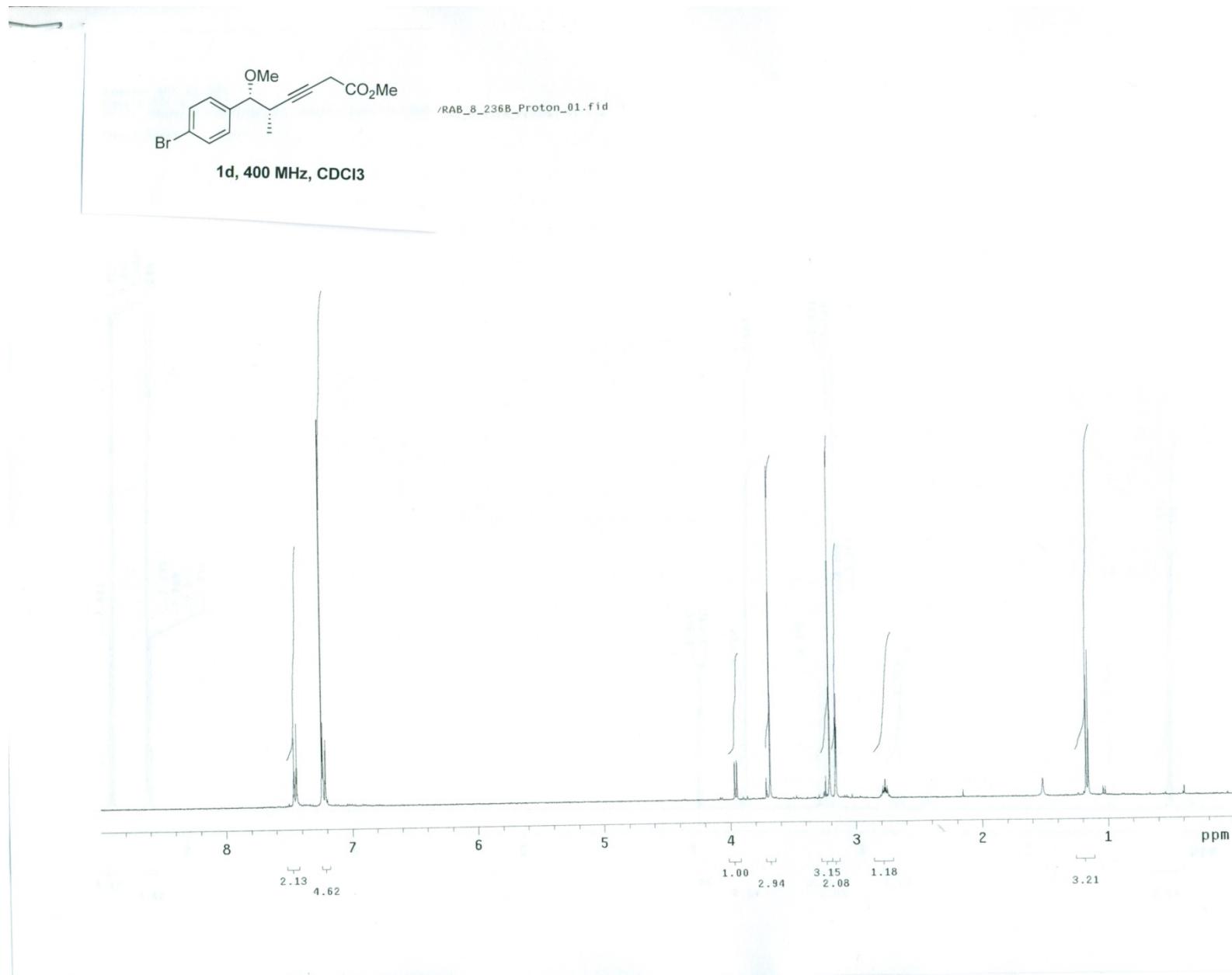


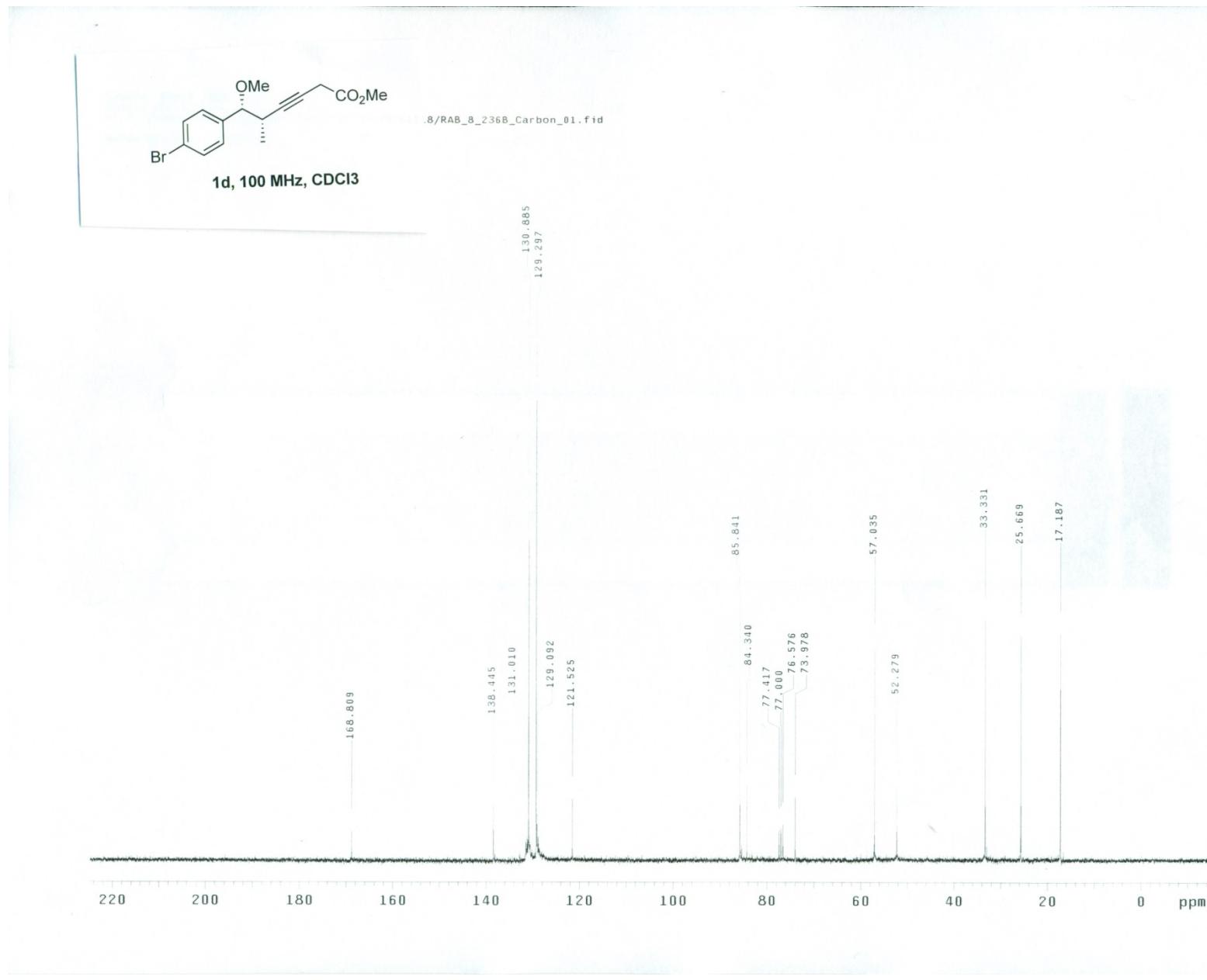


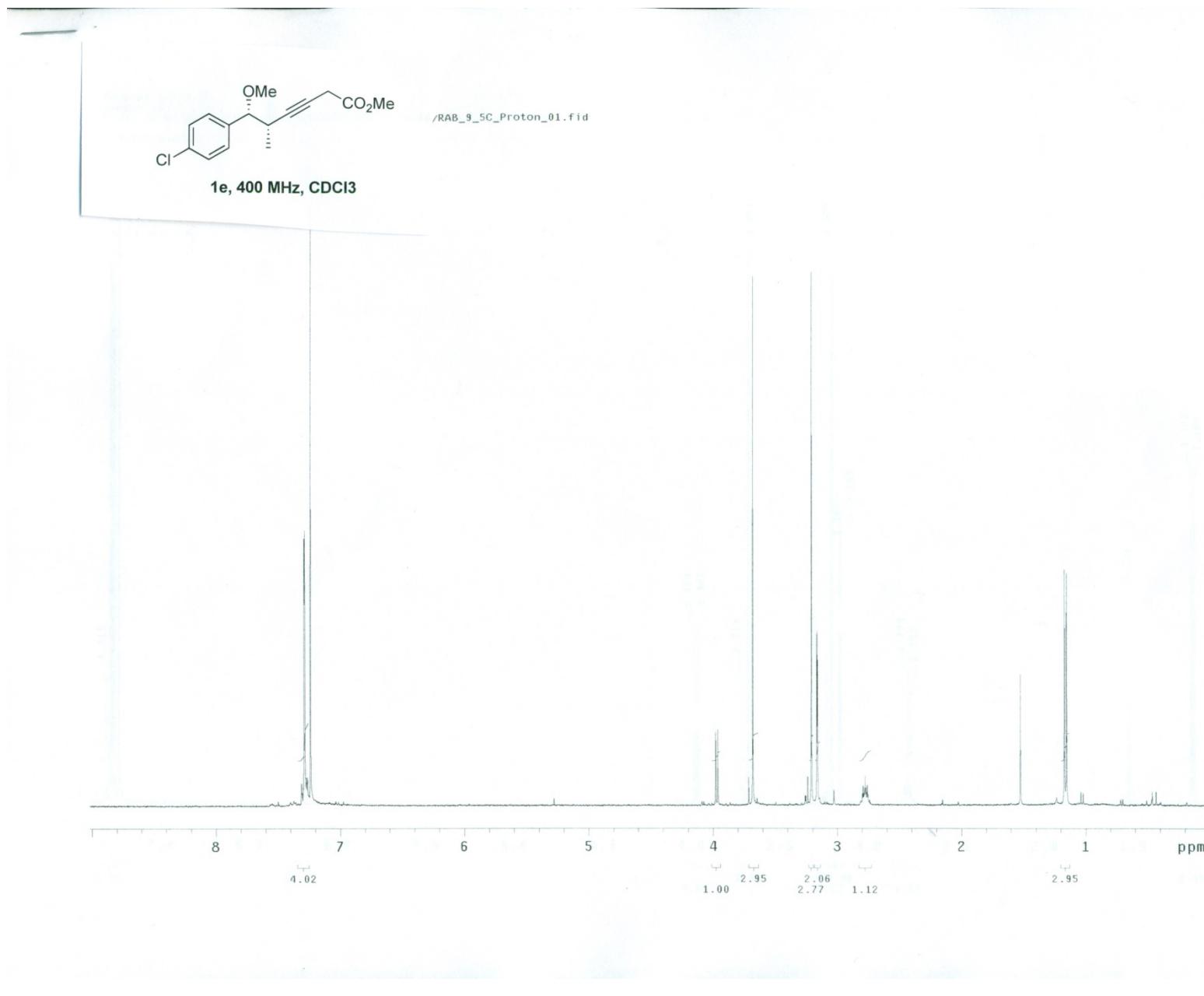
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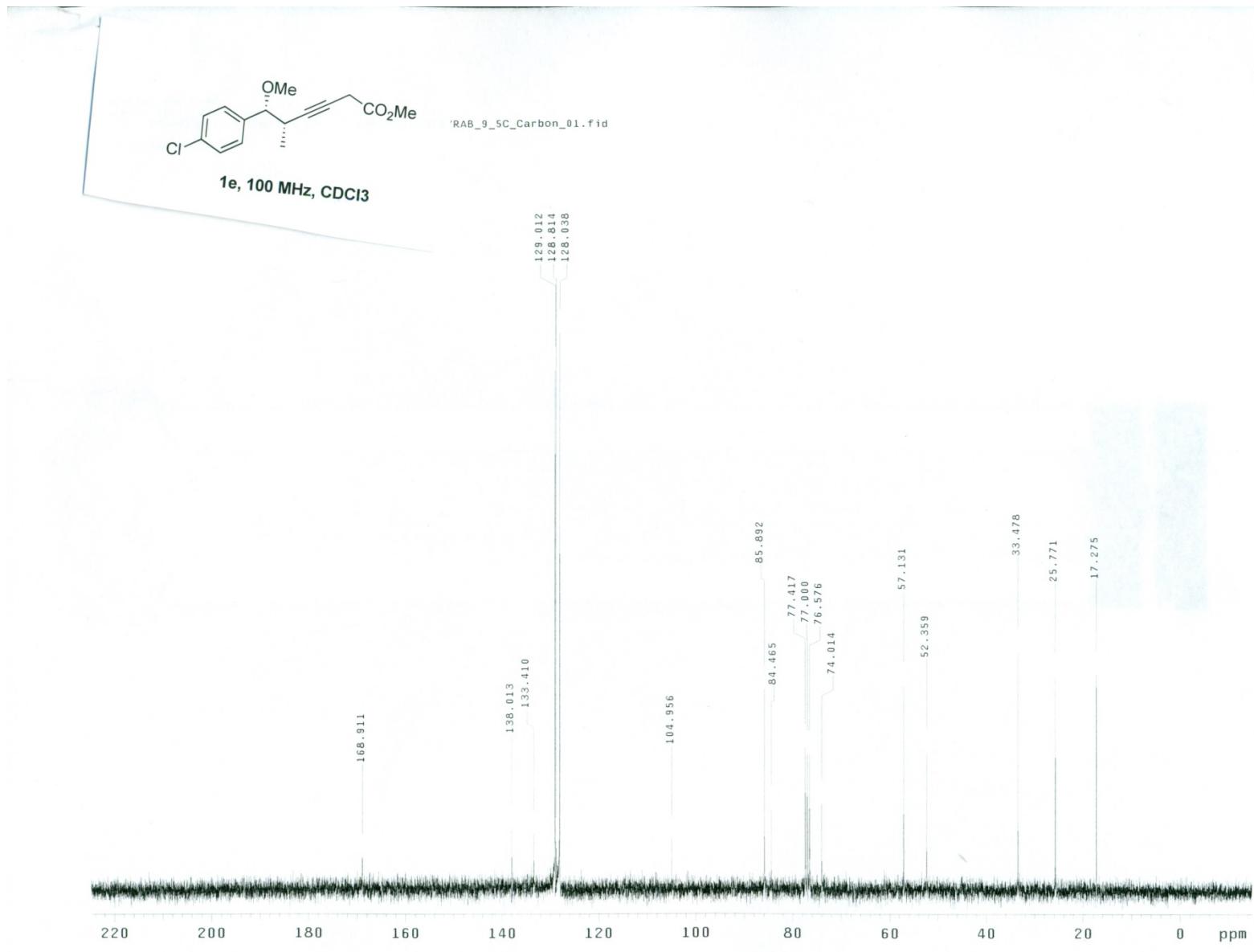
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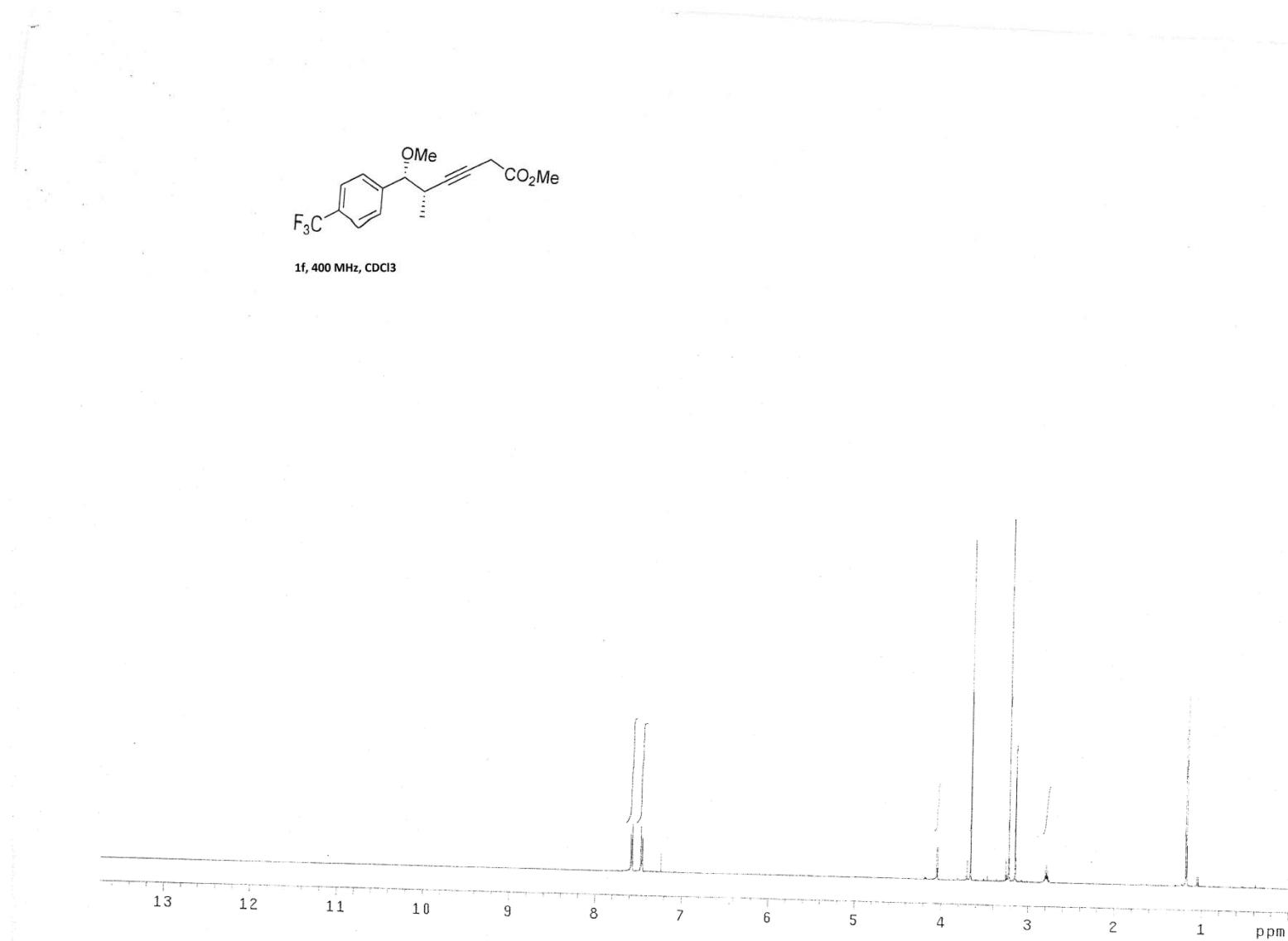


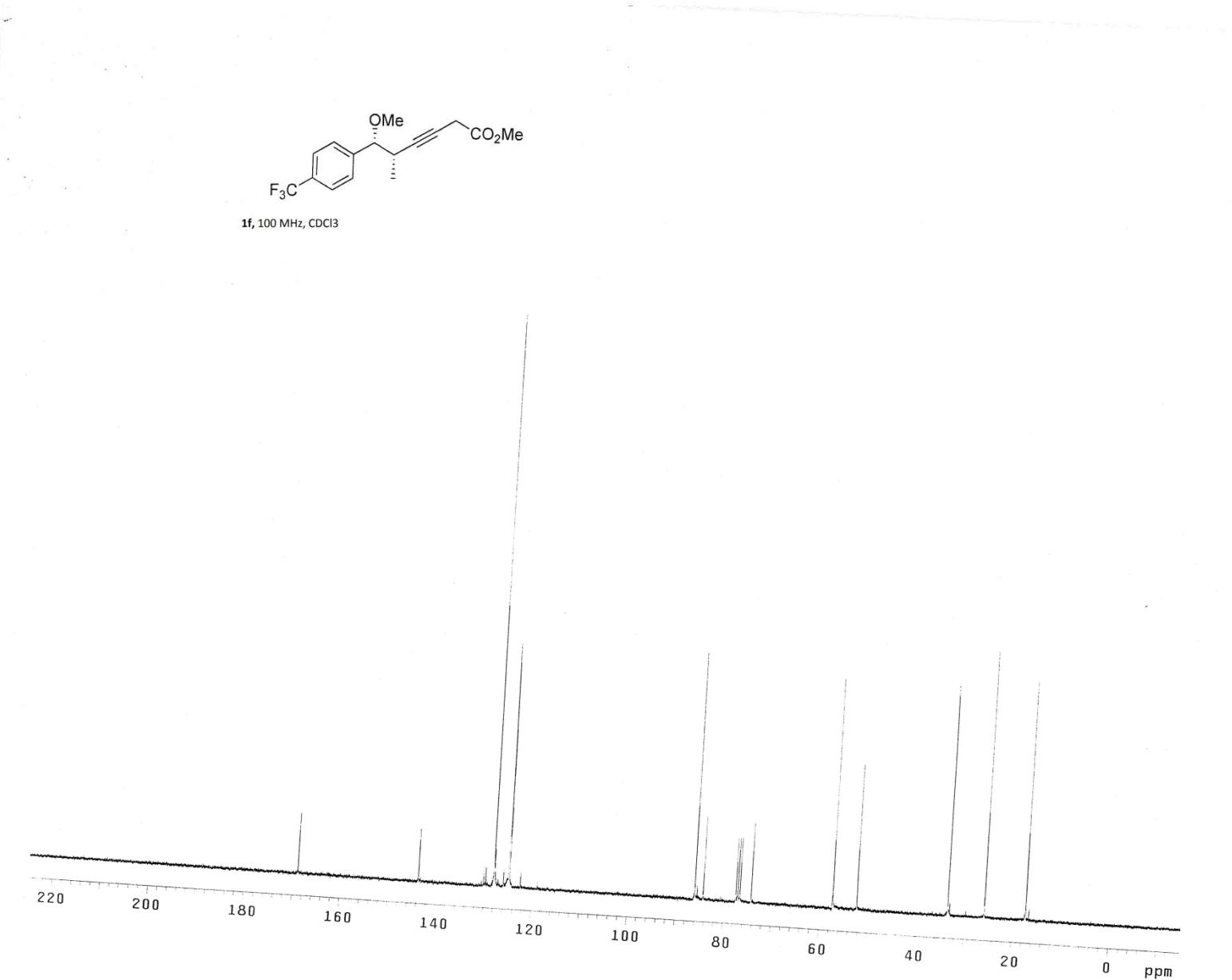


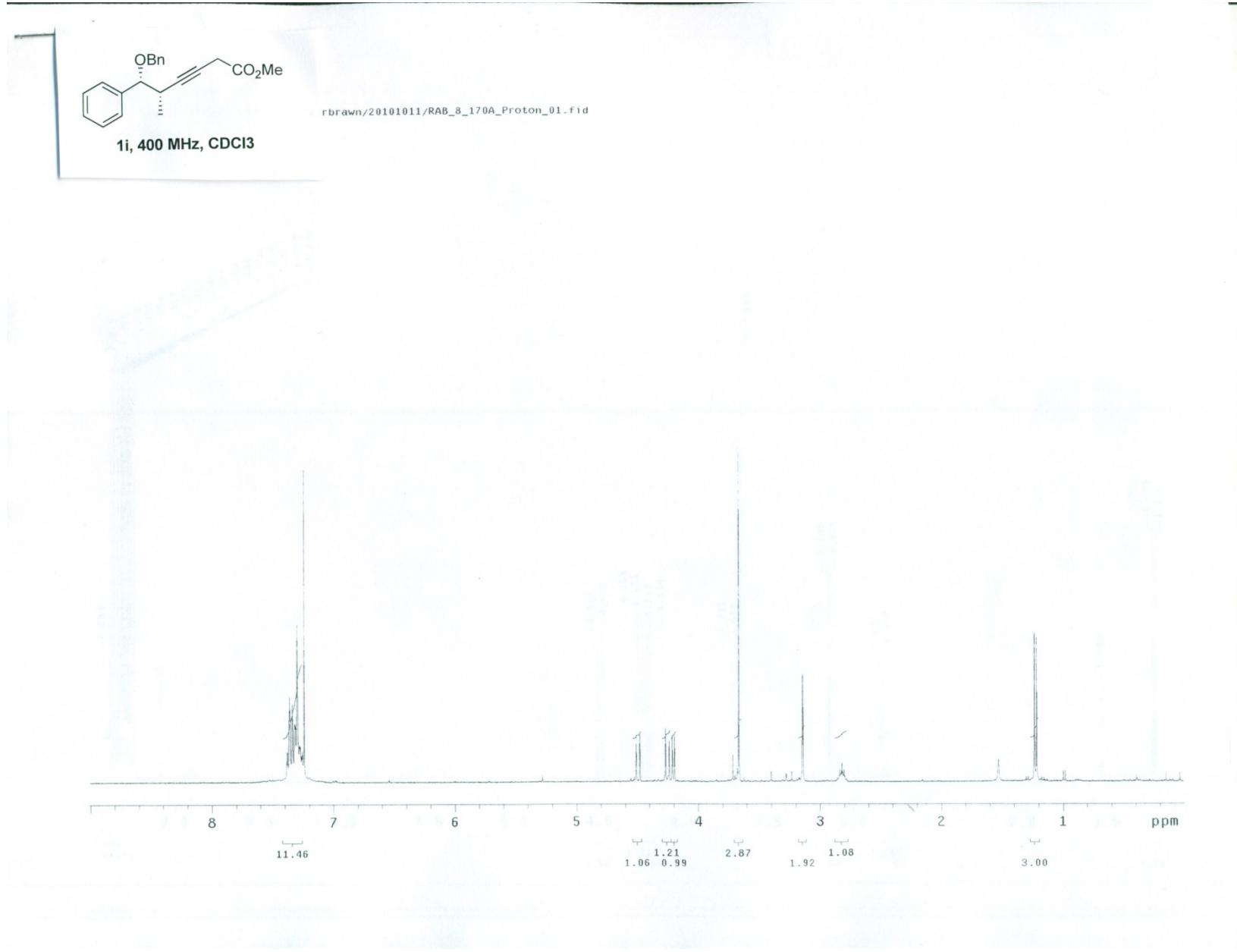


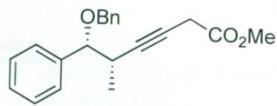






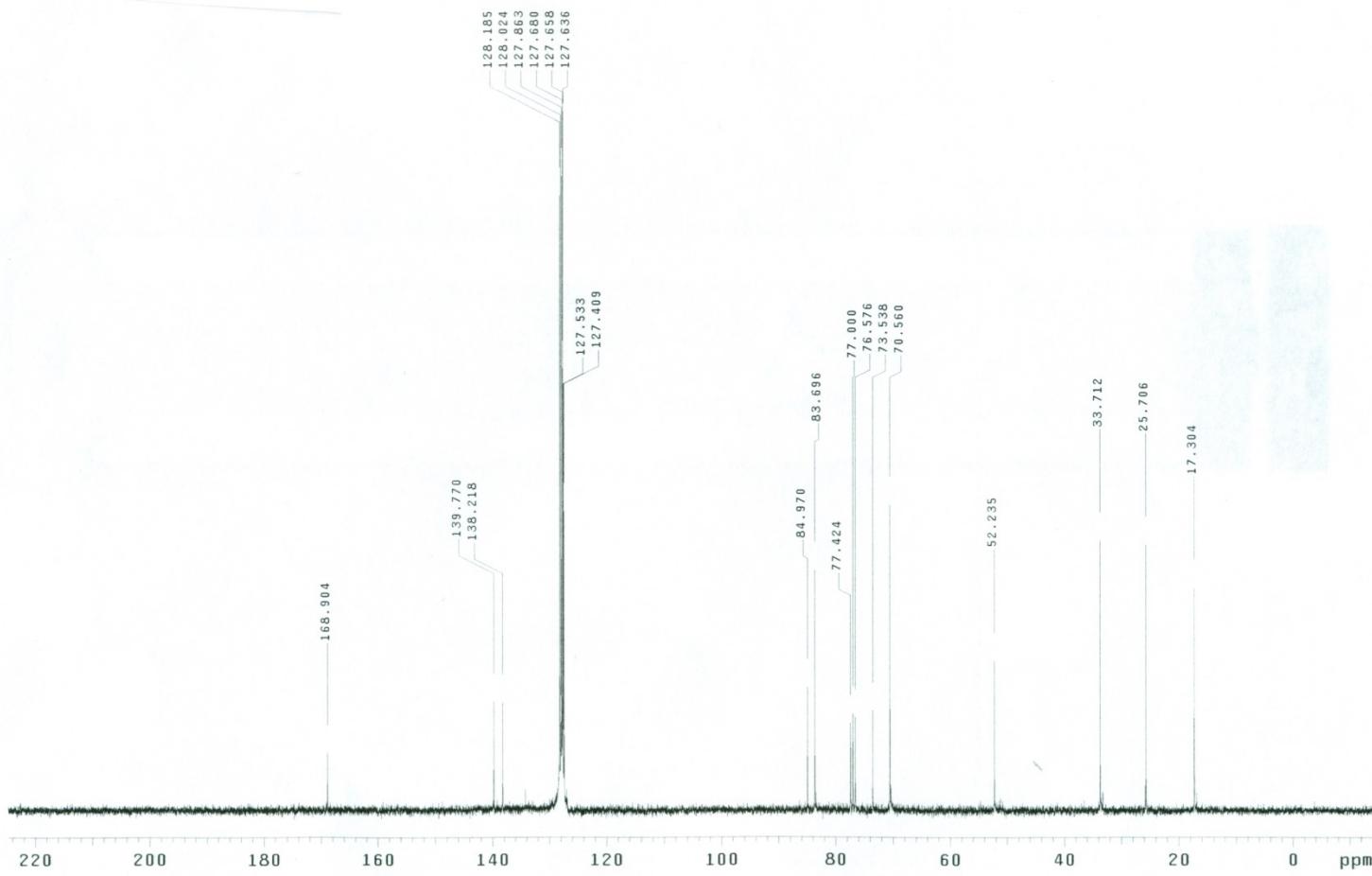


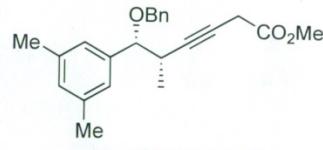




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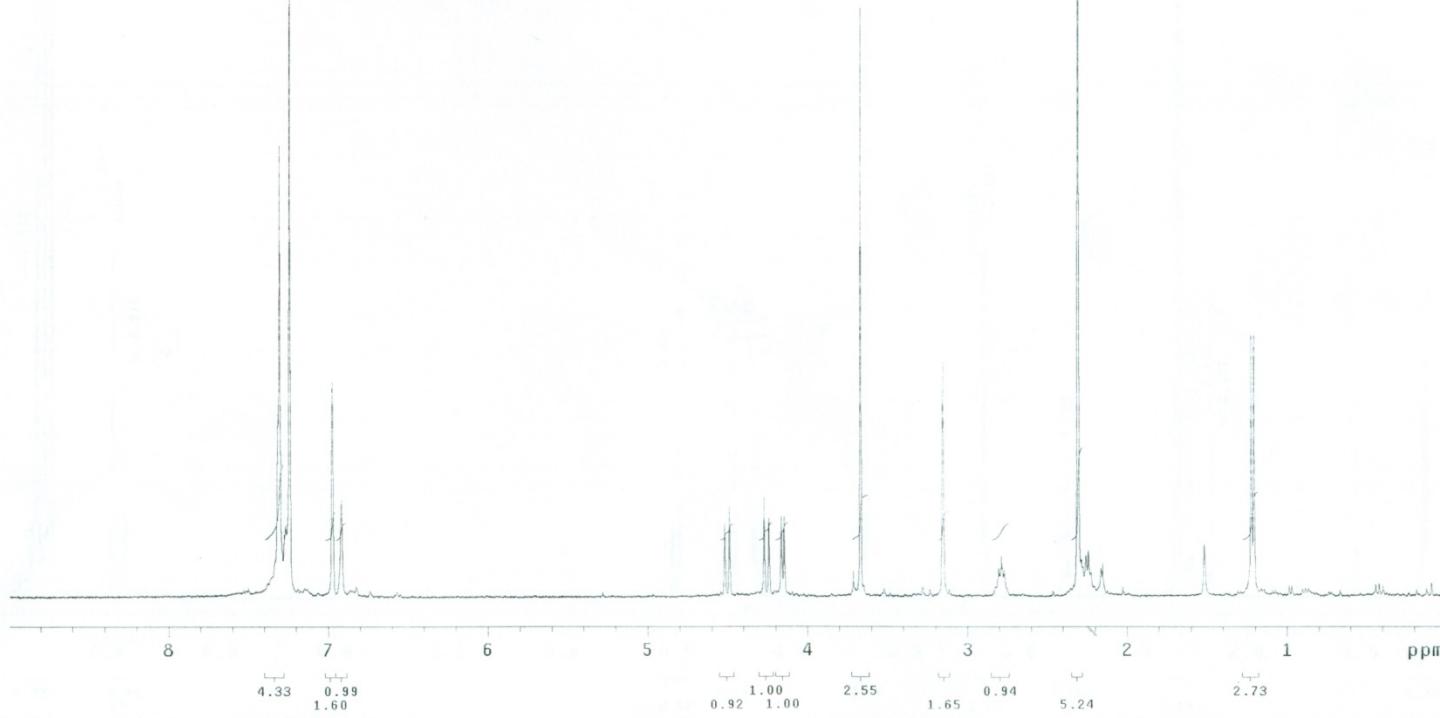
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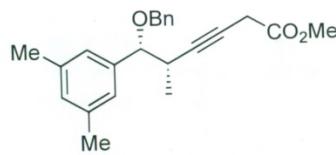




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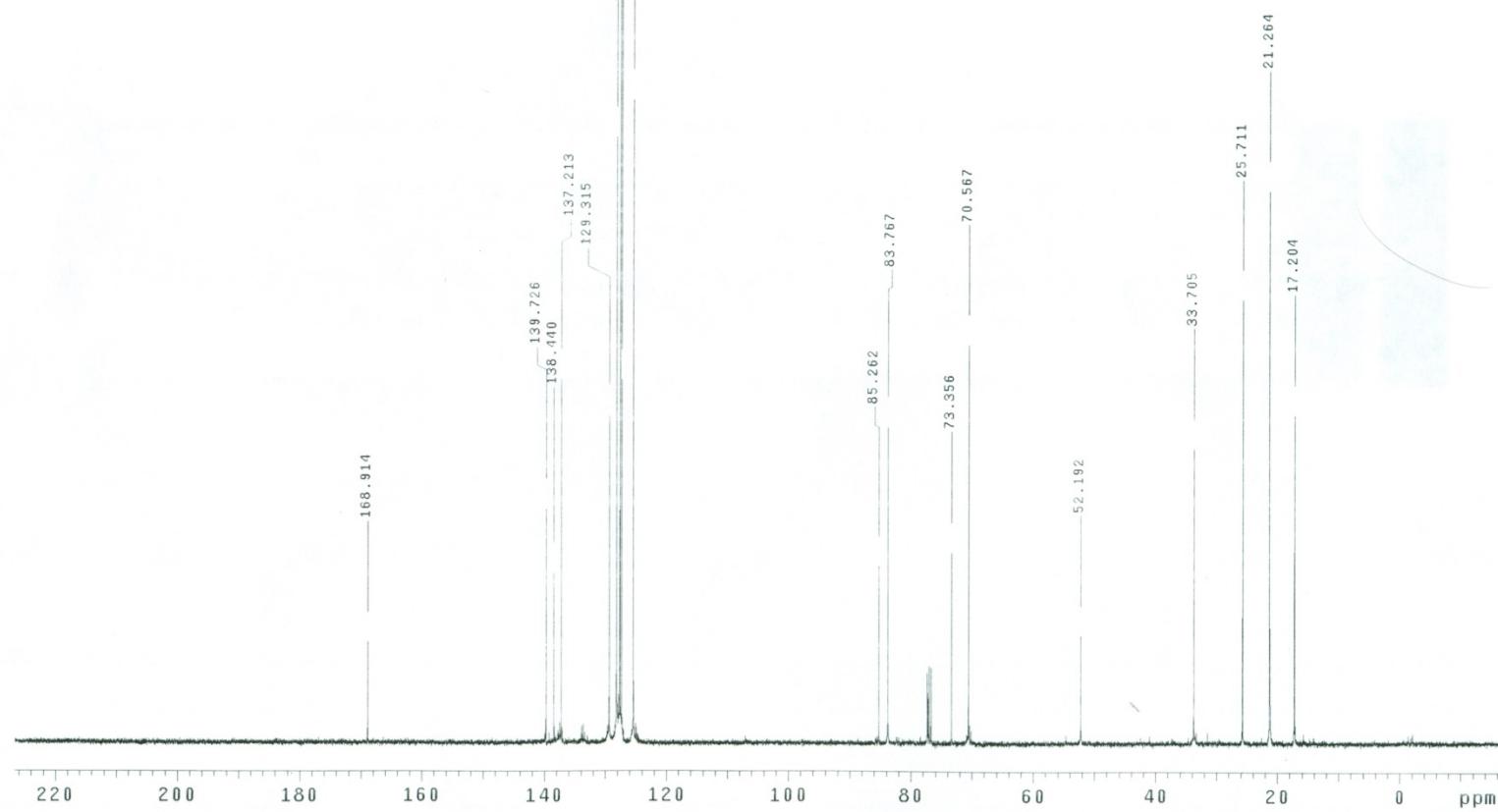
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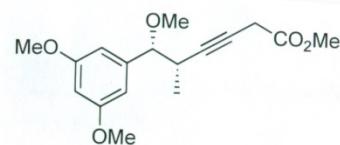




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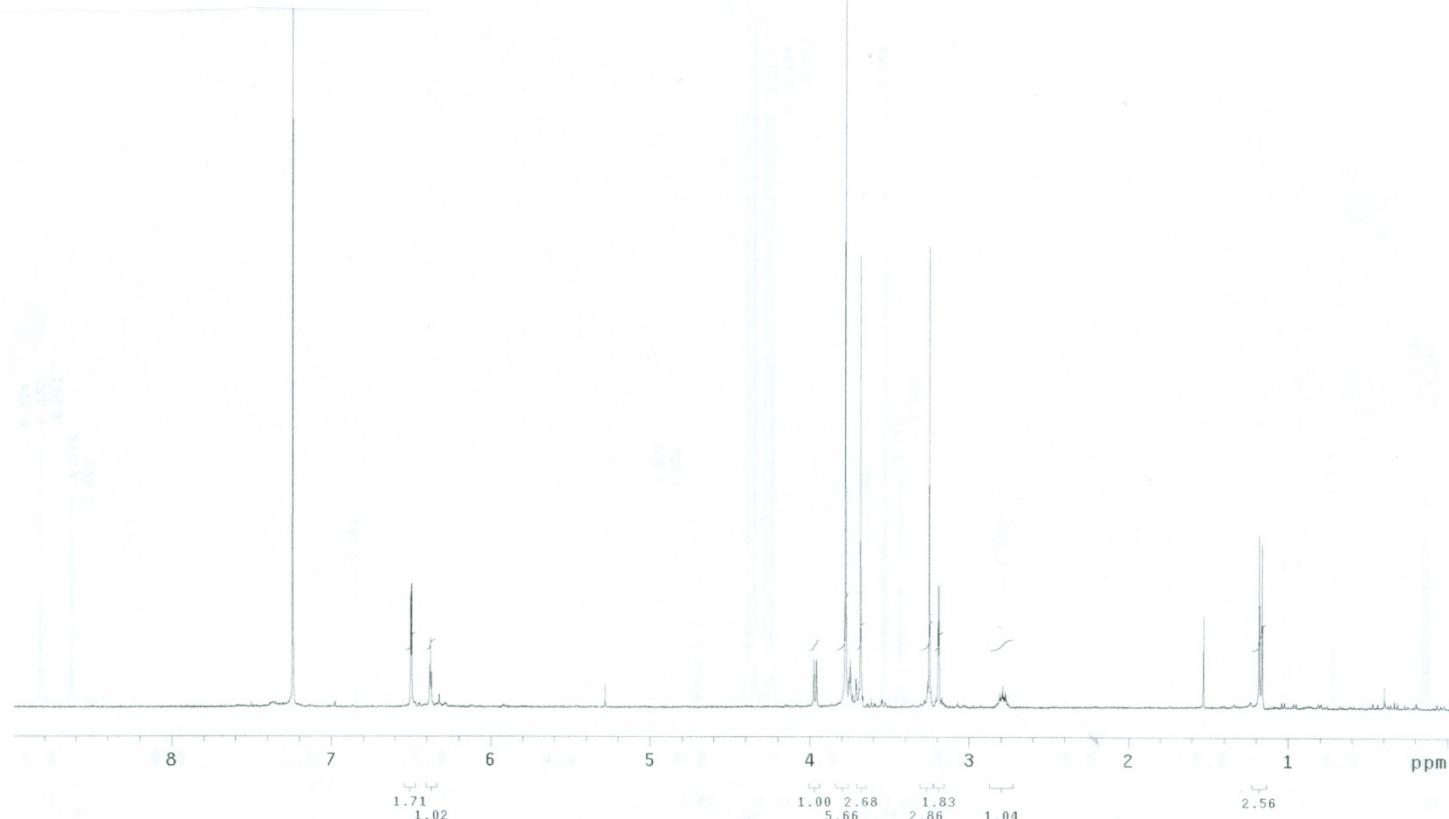
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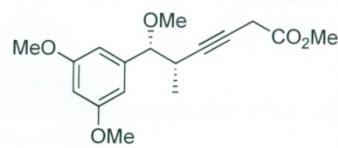




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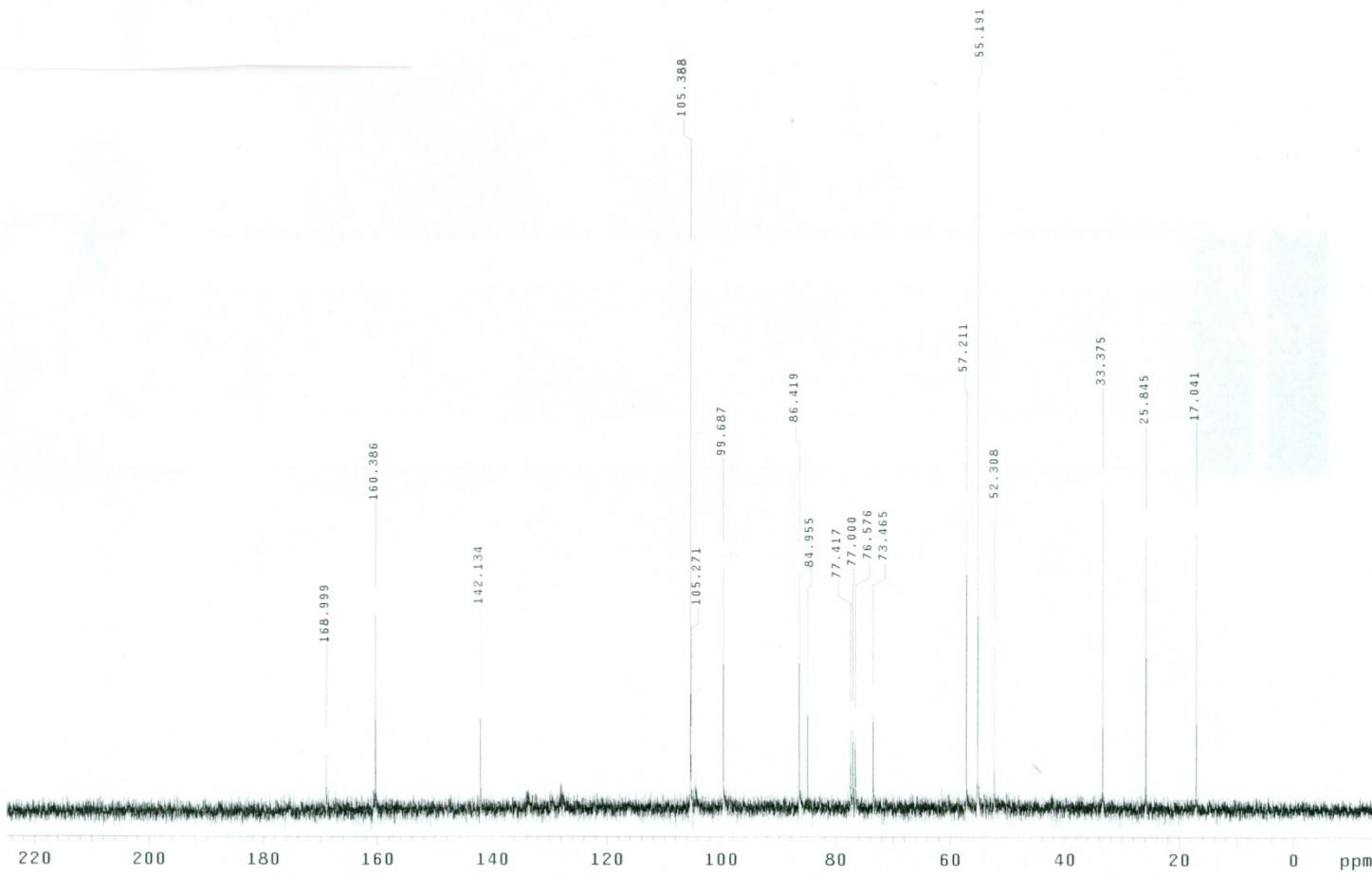
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6/RAB_9_12A_Carbon_01.fid

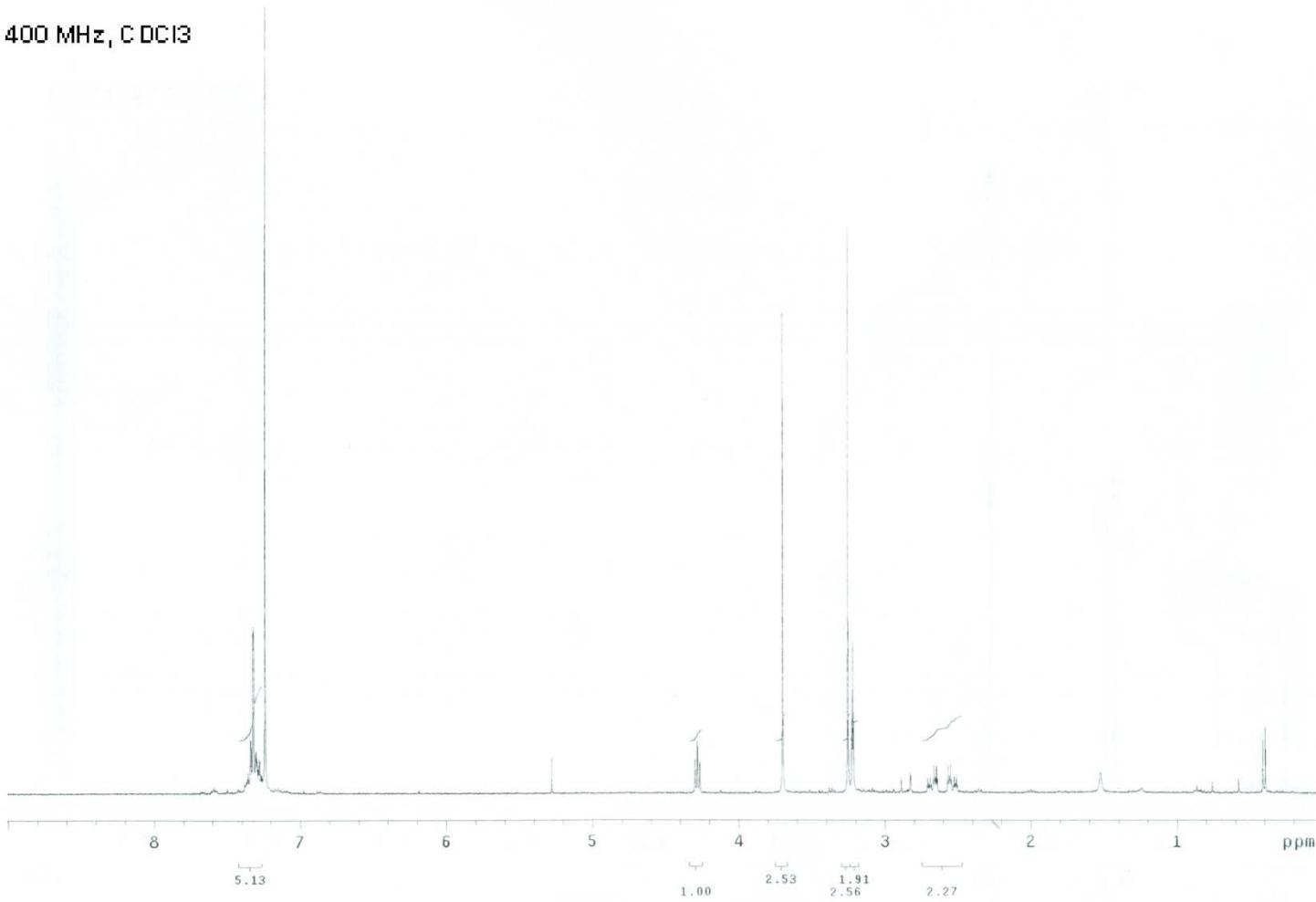
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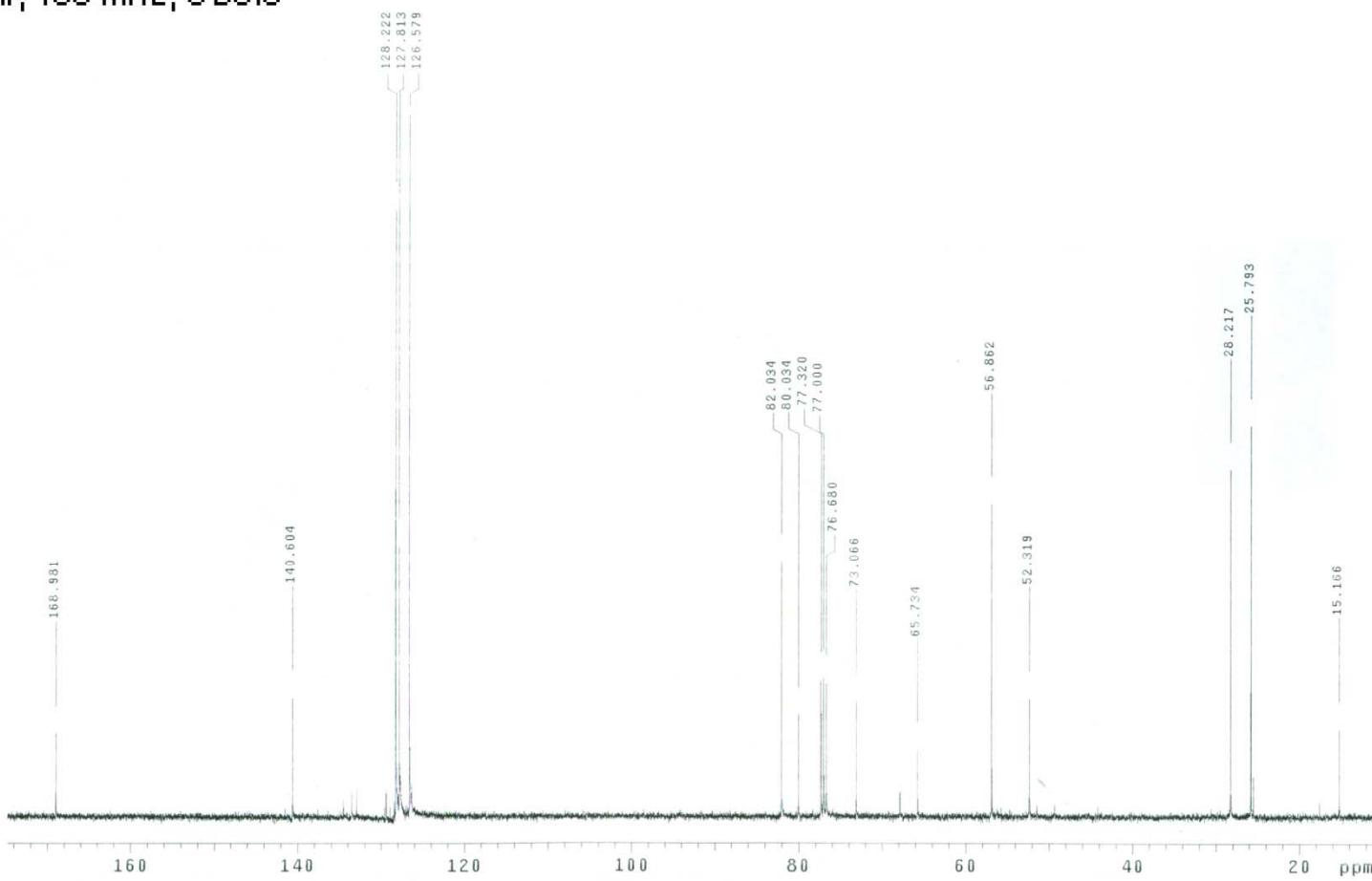
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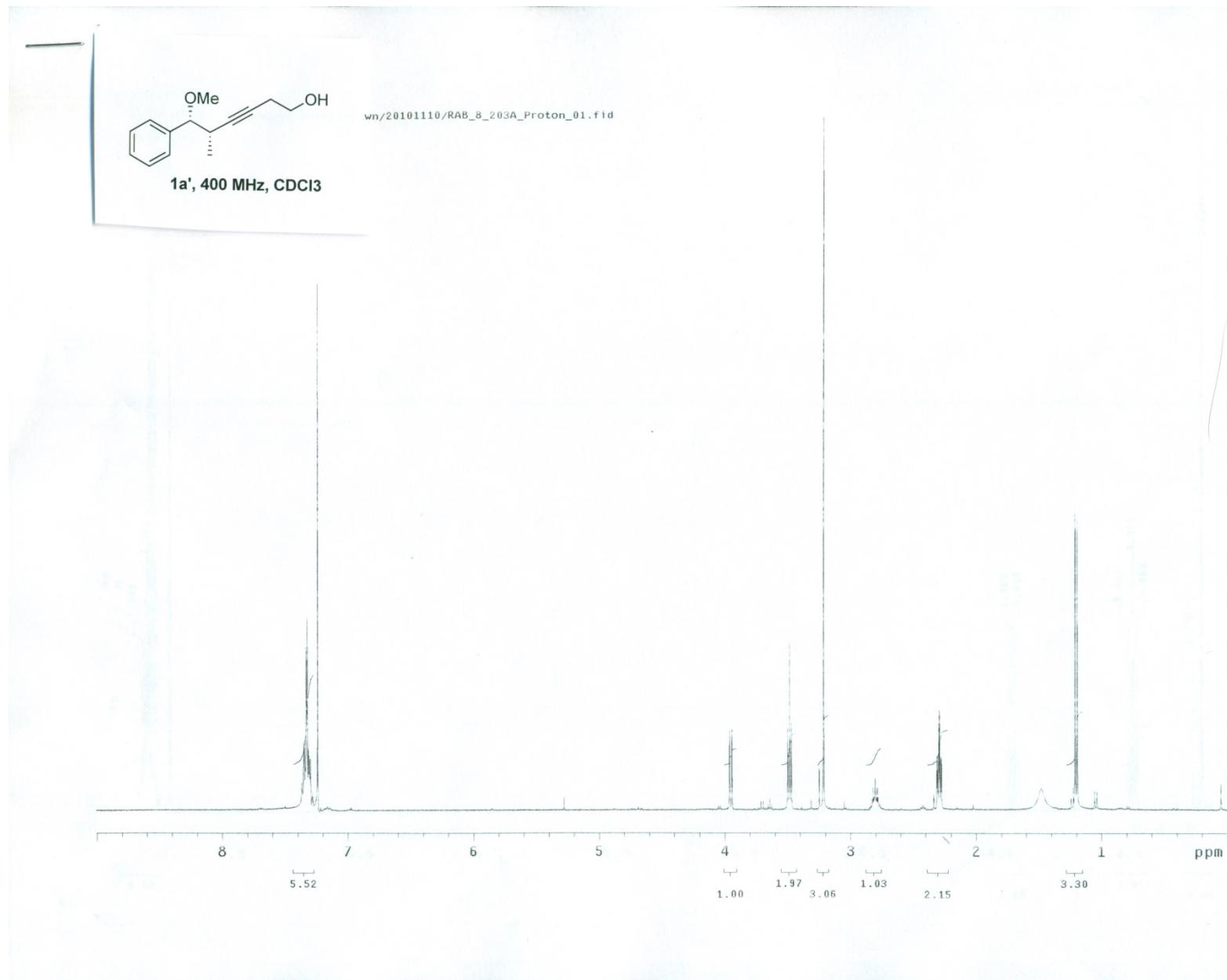


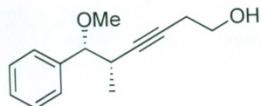


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II, 100 MHz, C DCl3

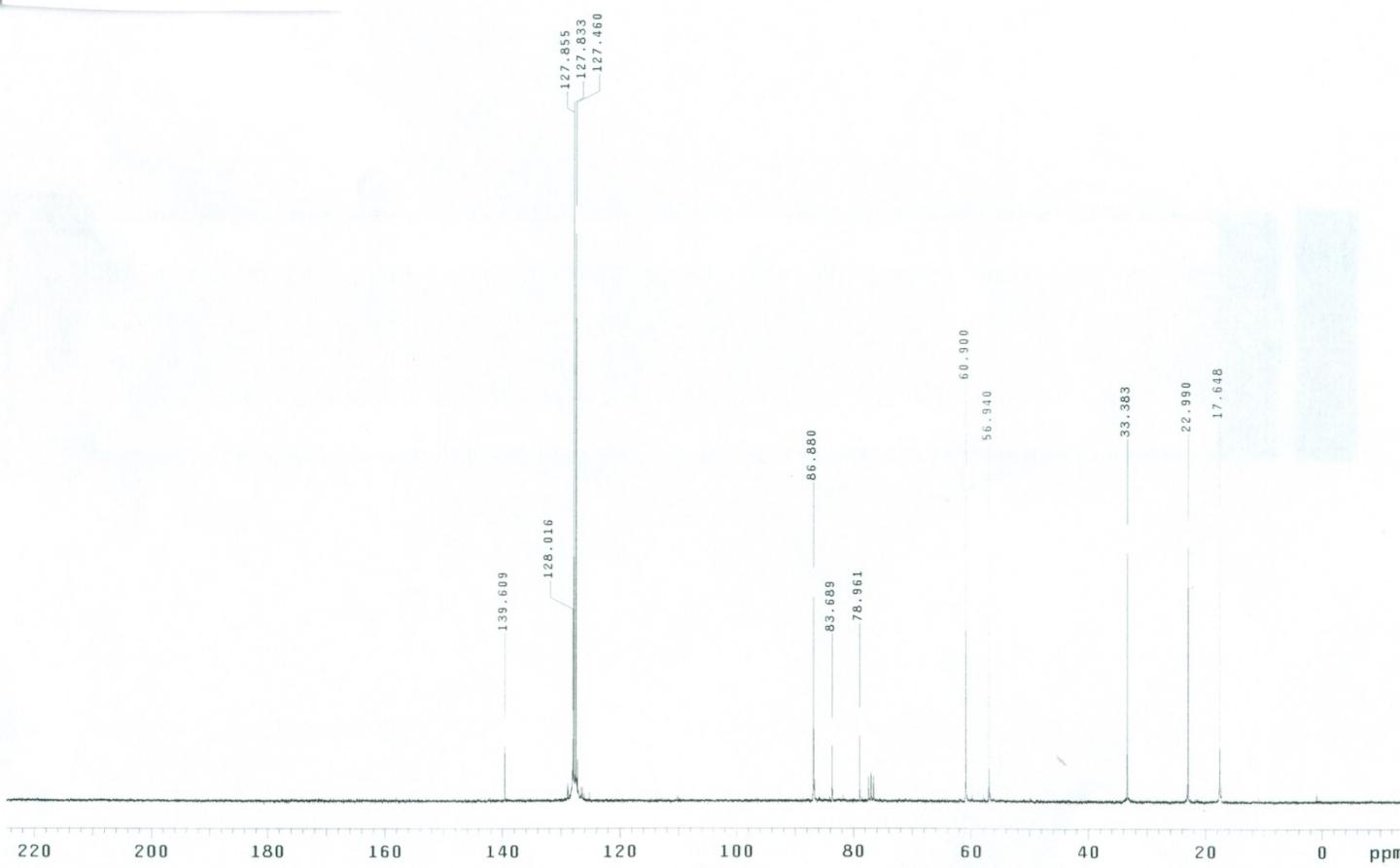


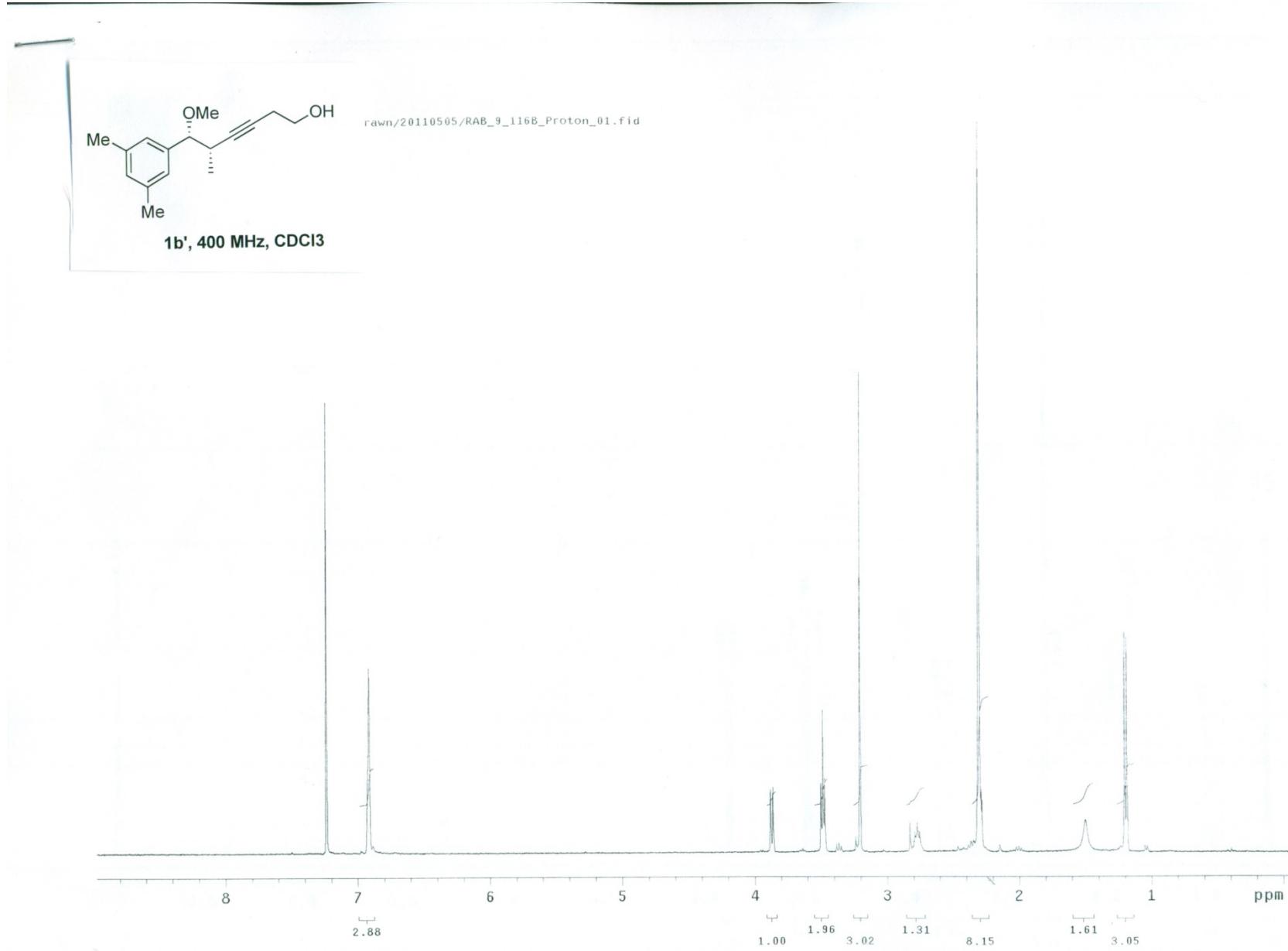


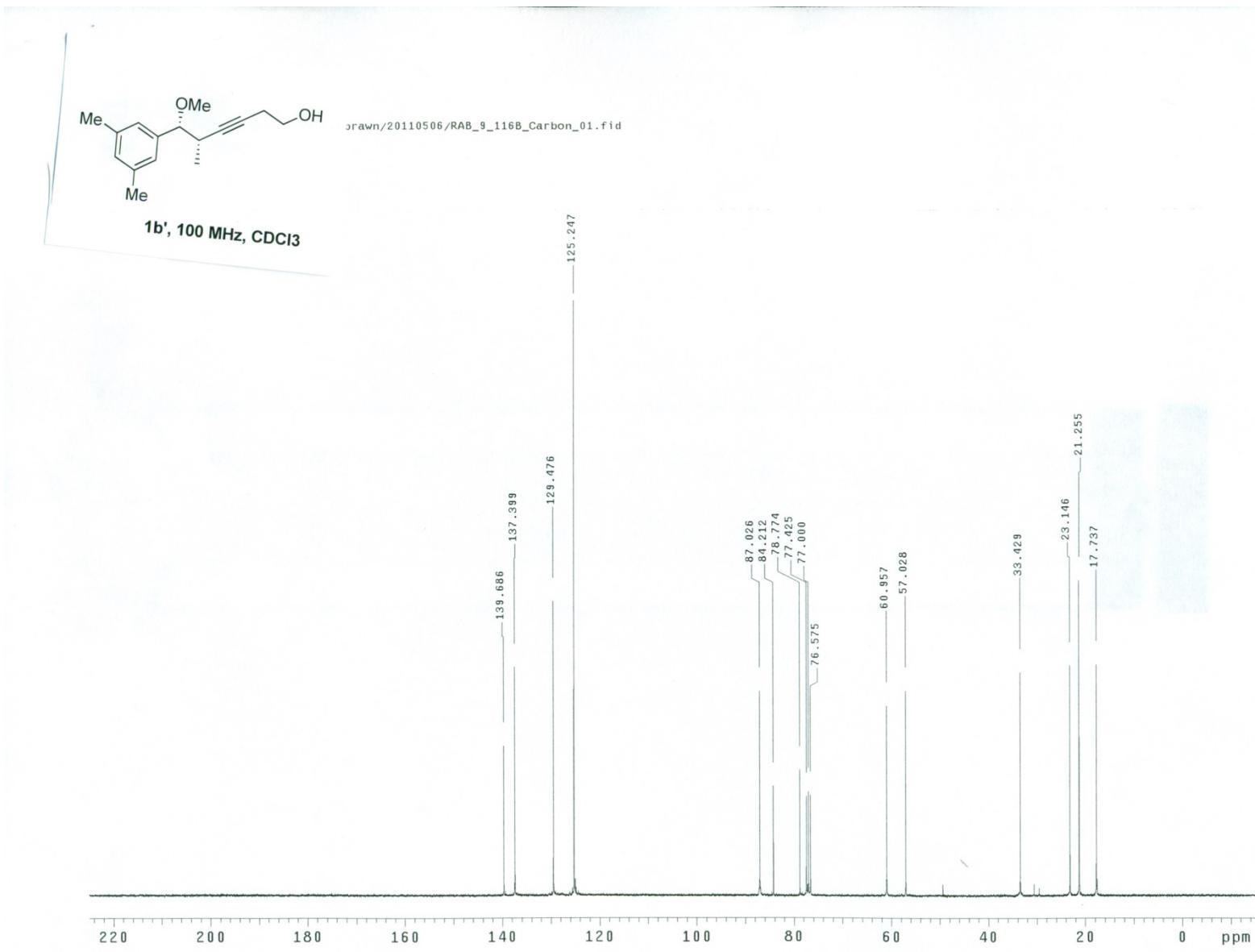


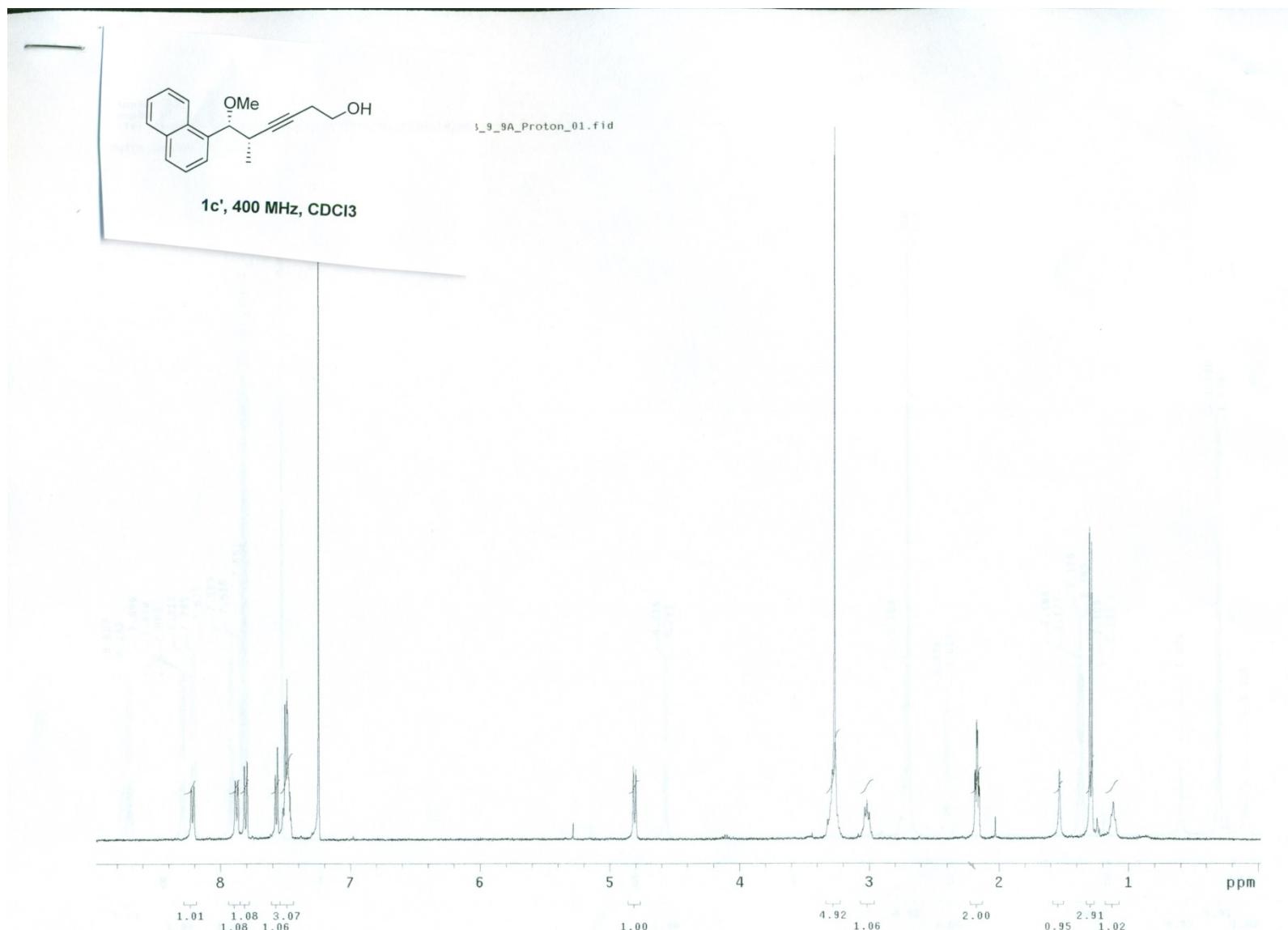
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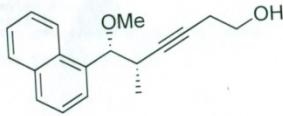
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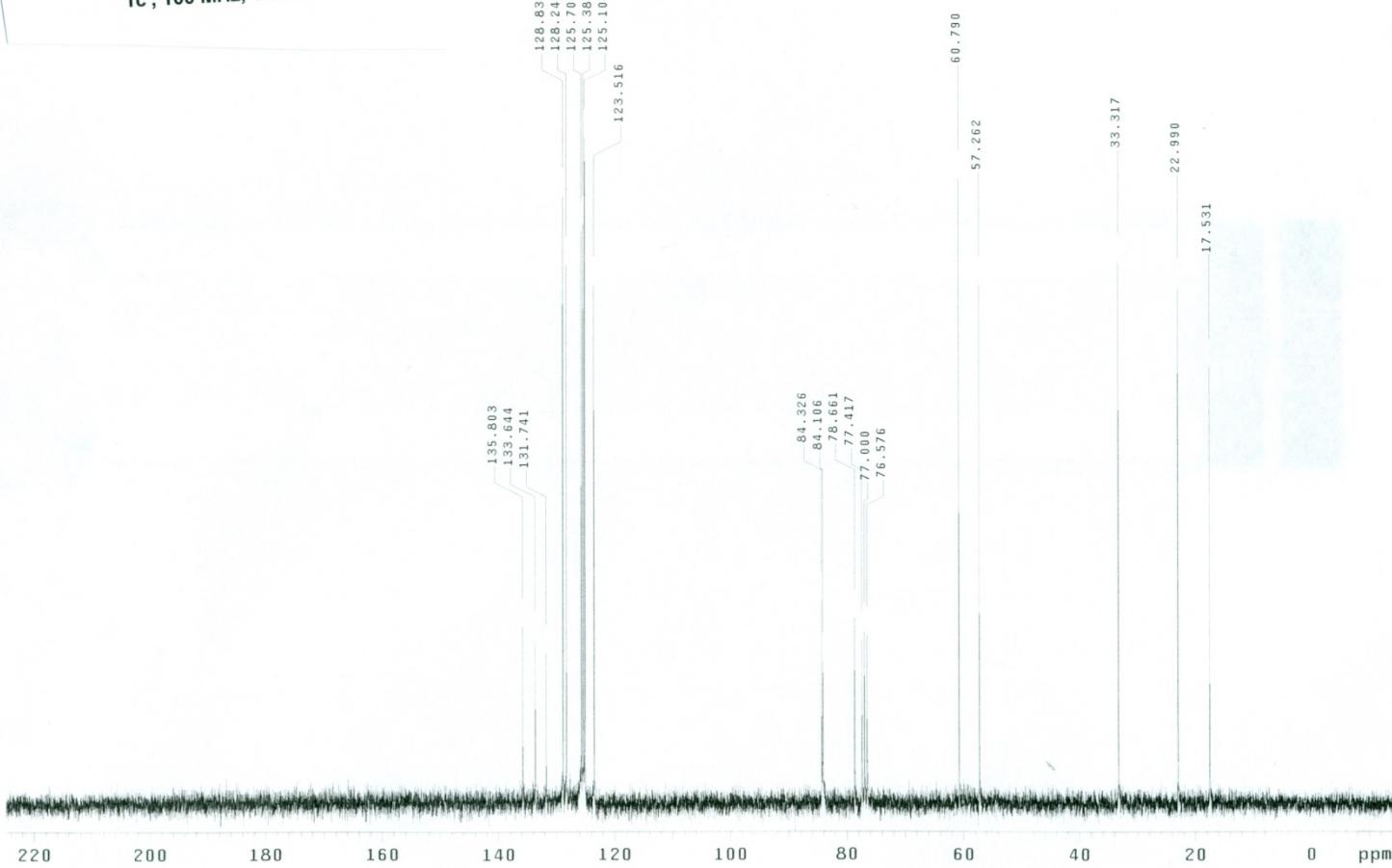


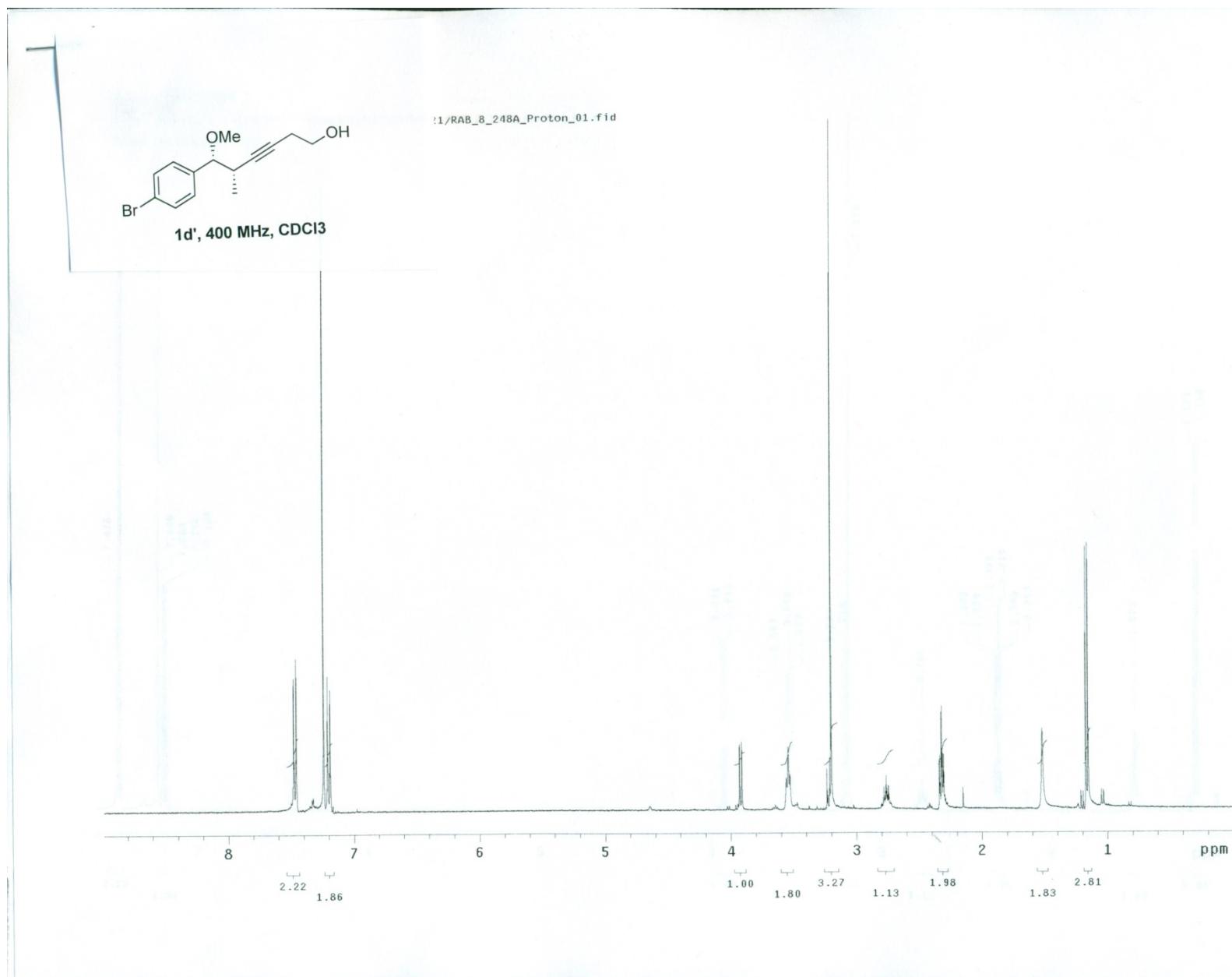


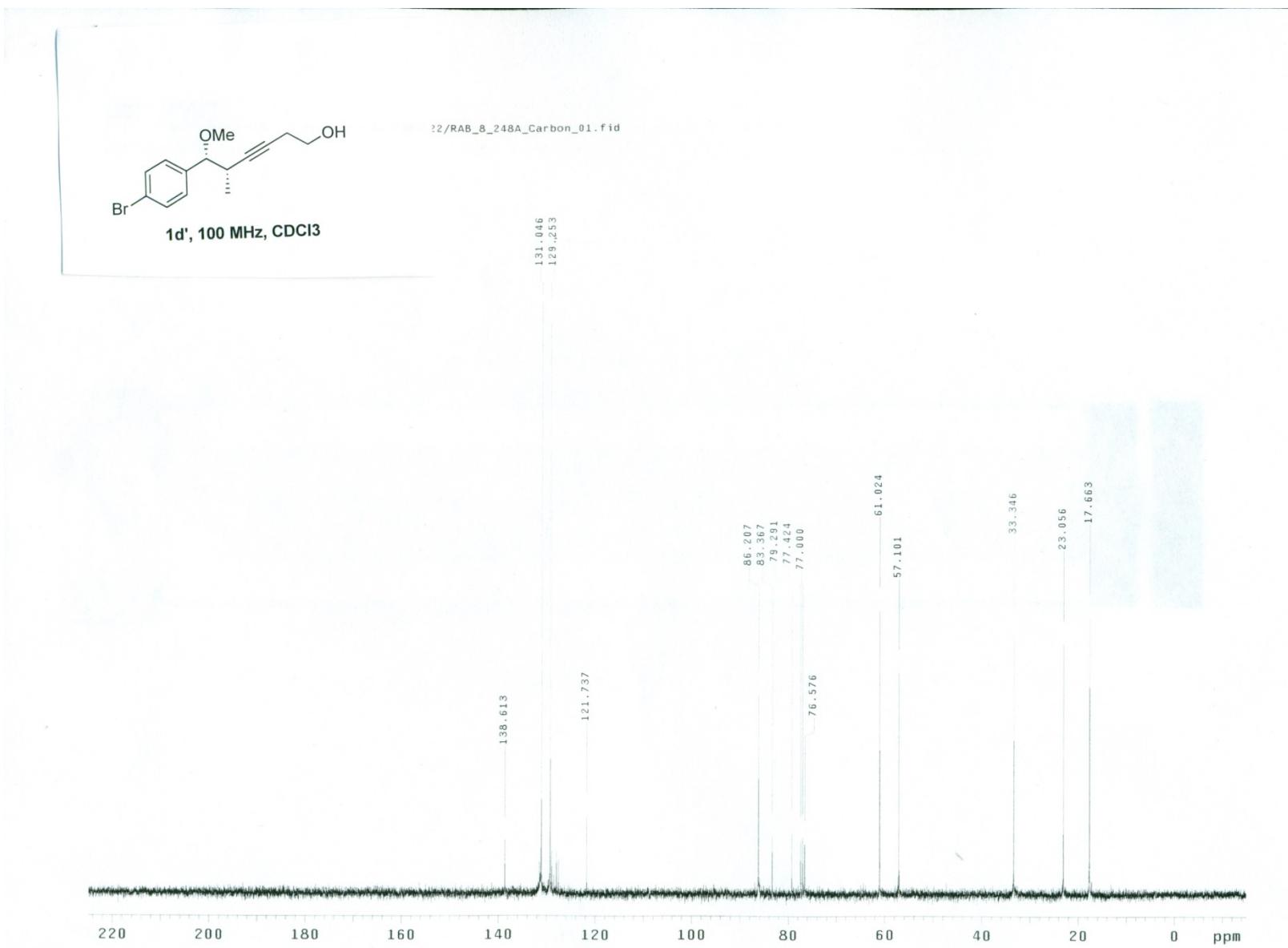


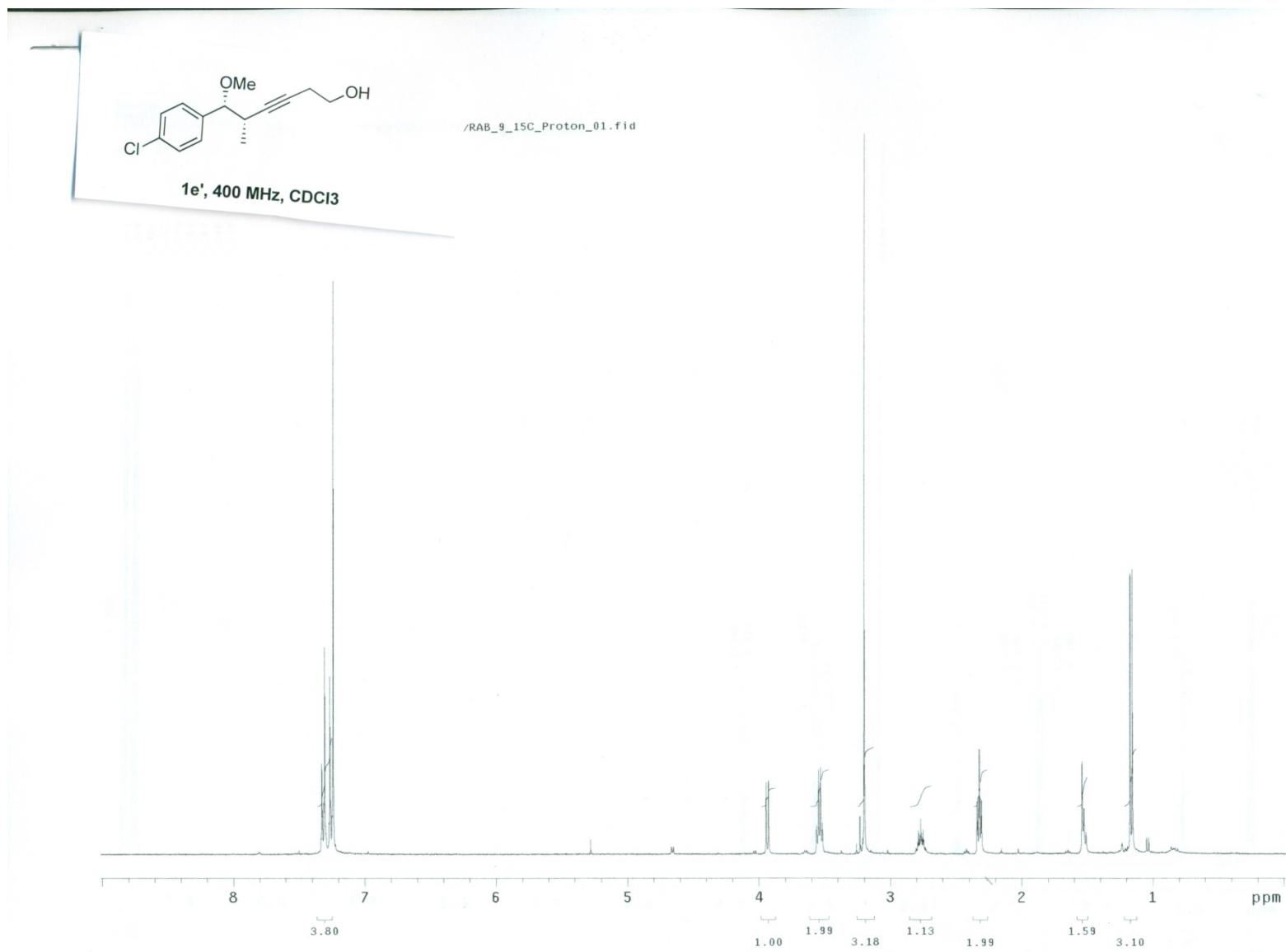
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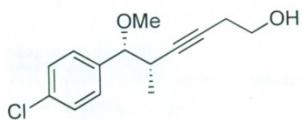
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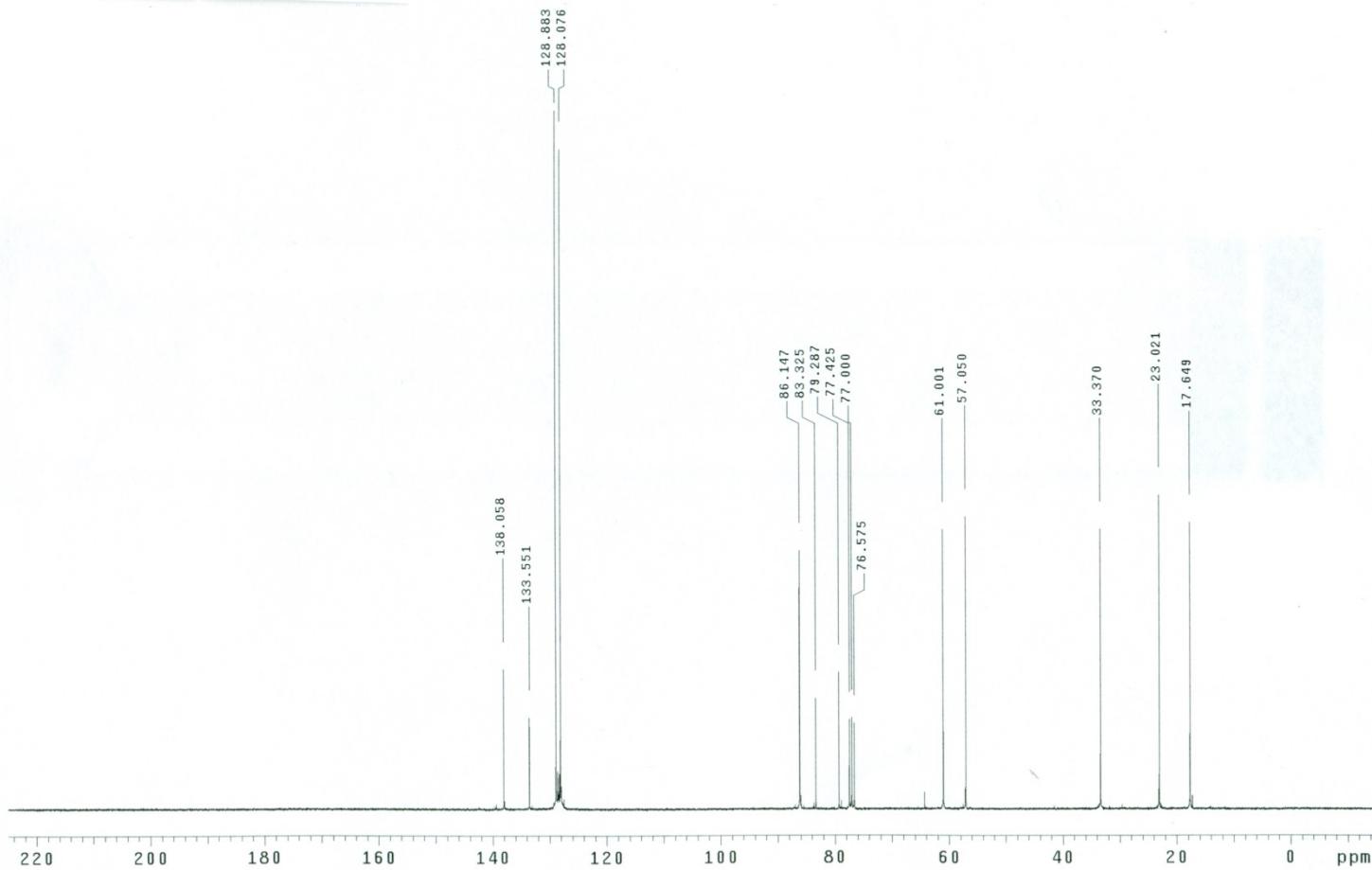


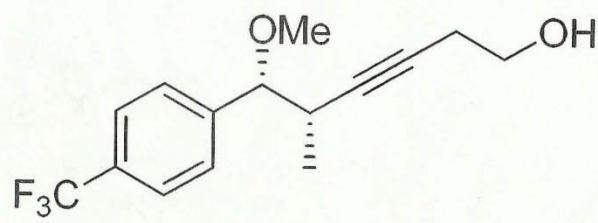




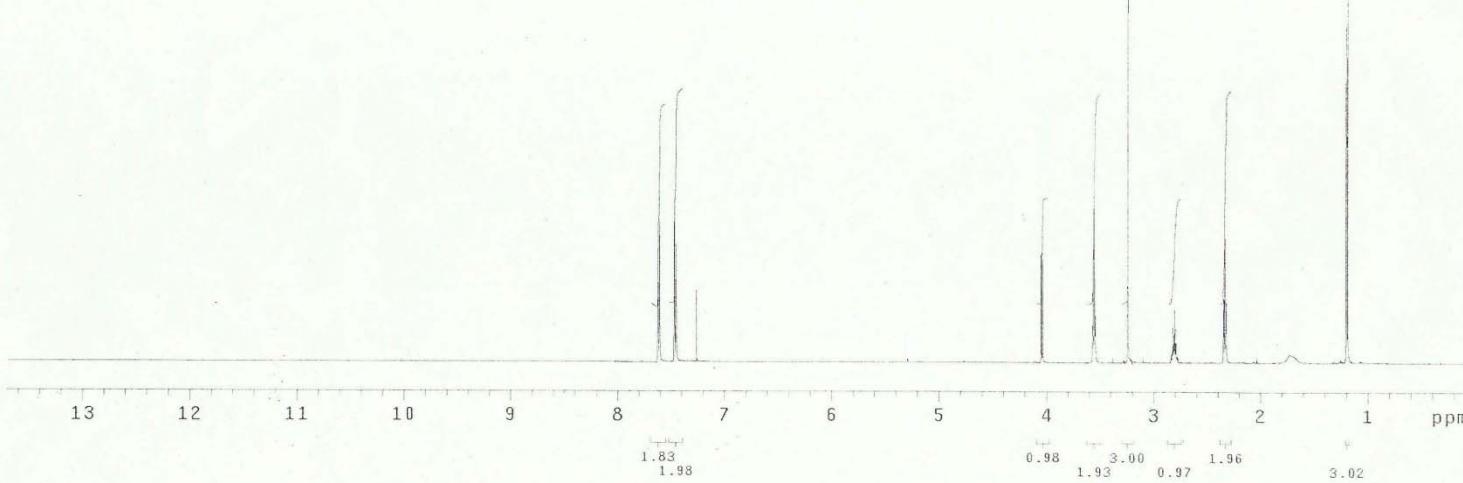
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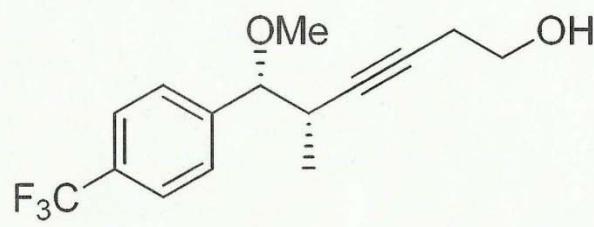
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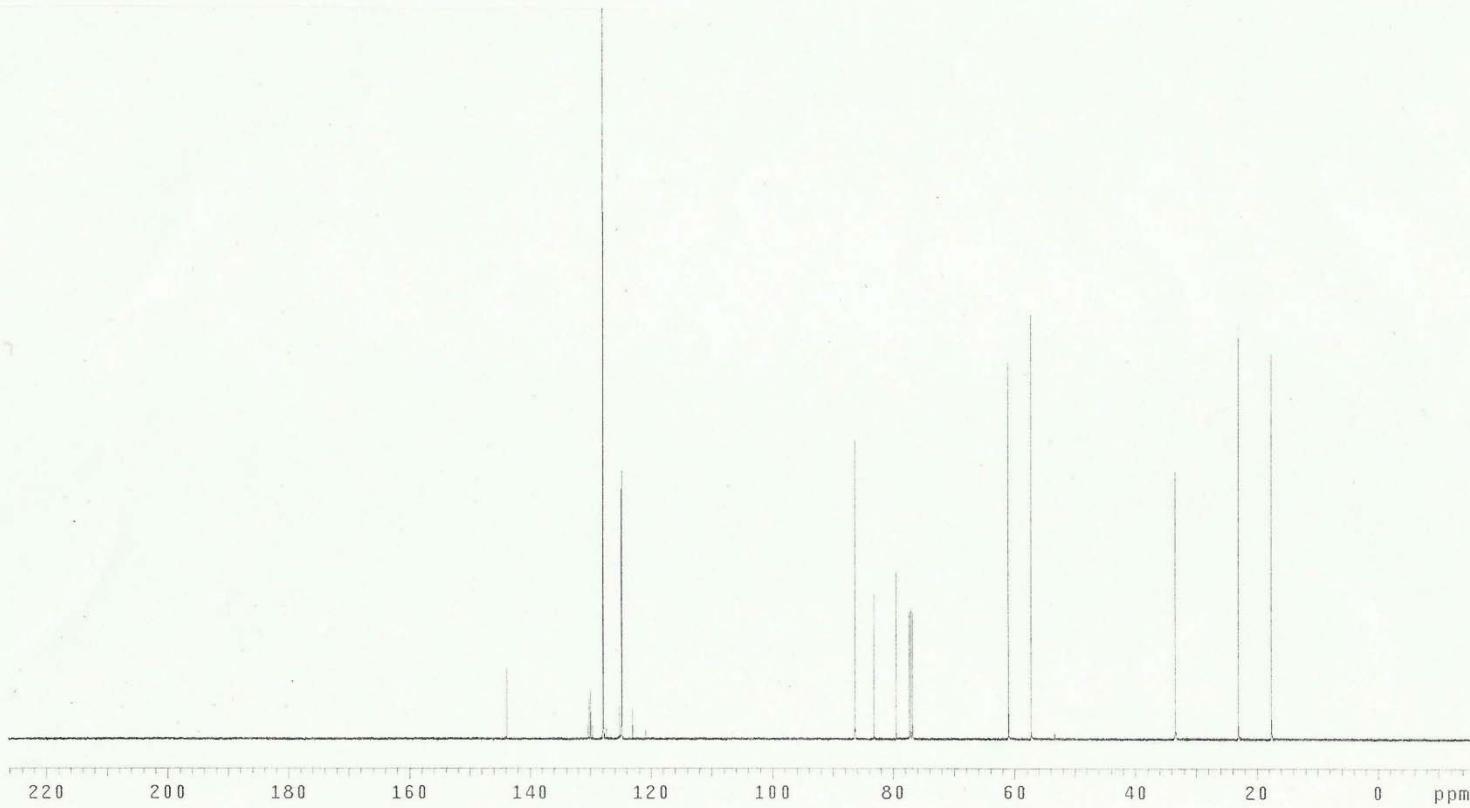


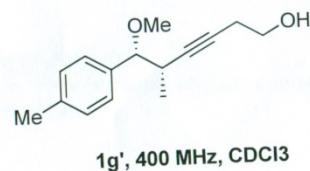
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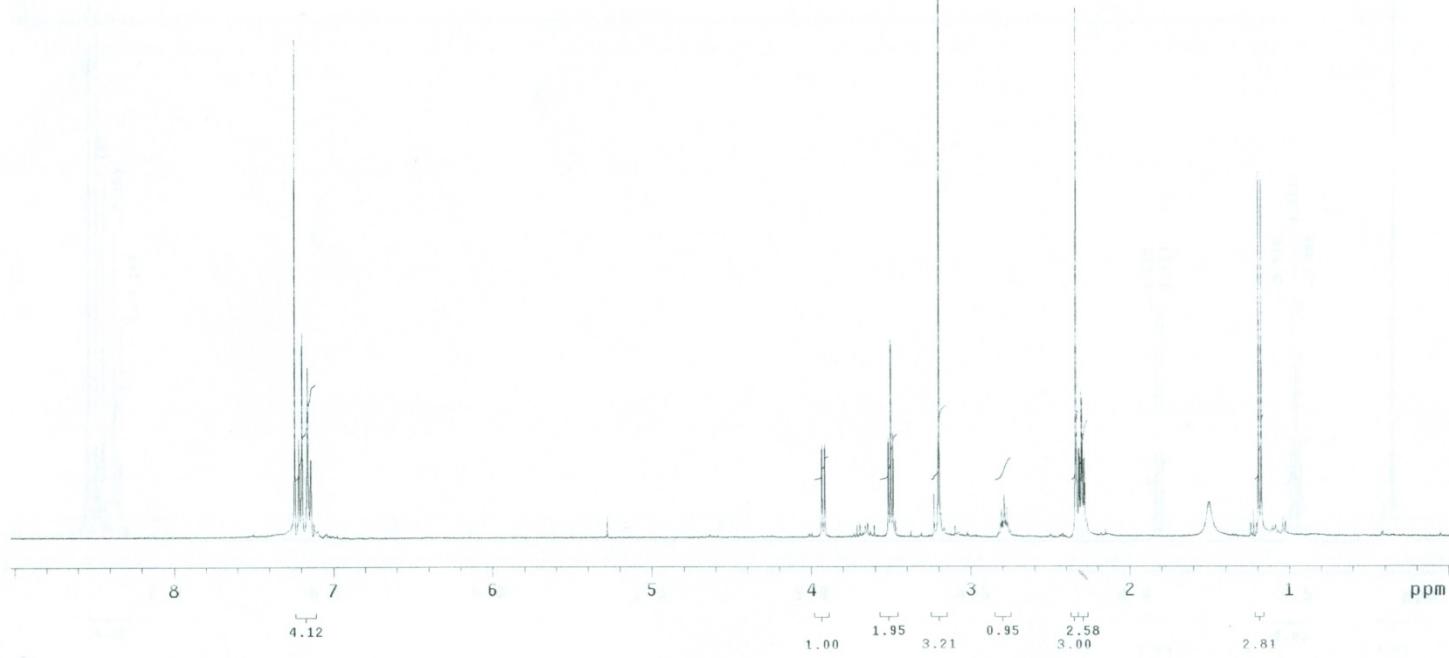
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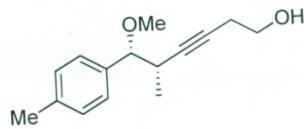




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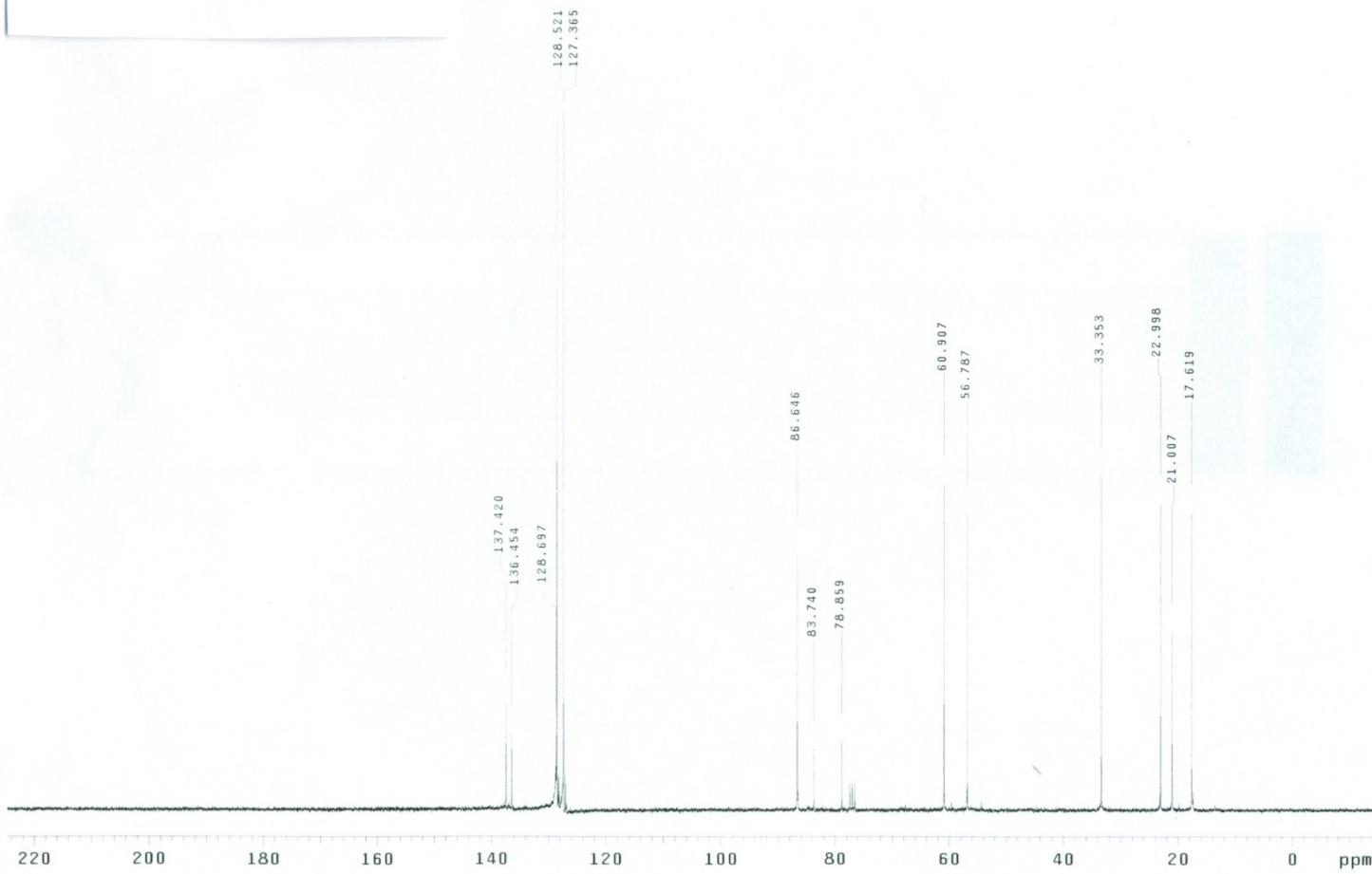
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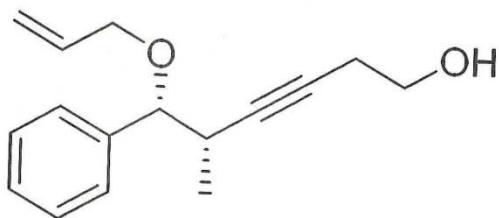




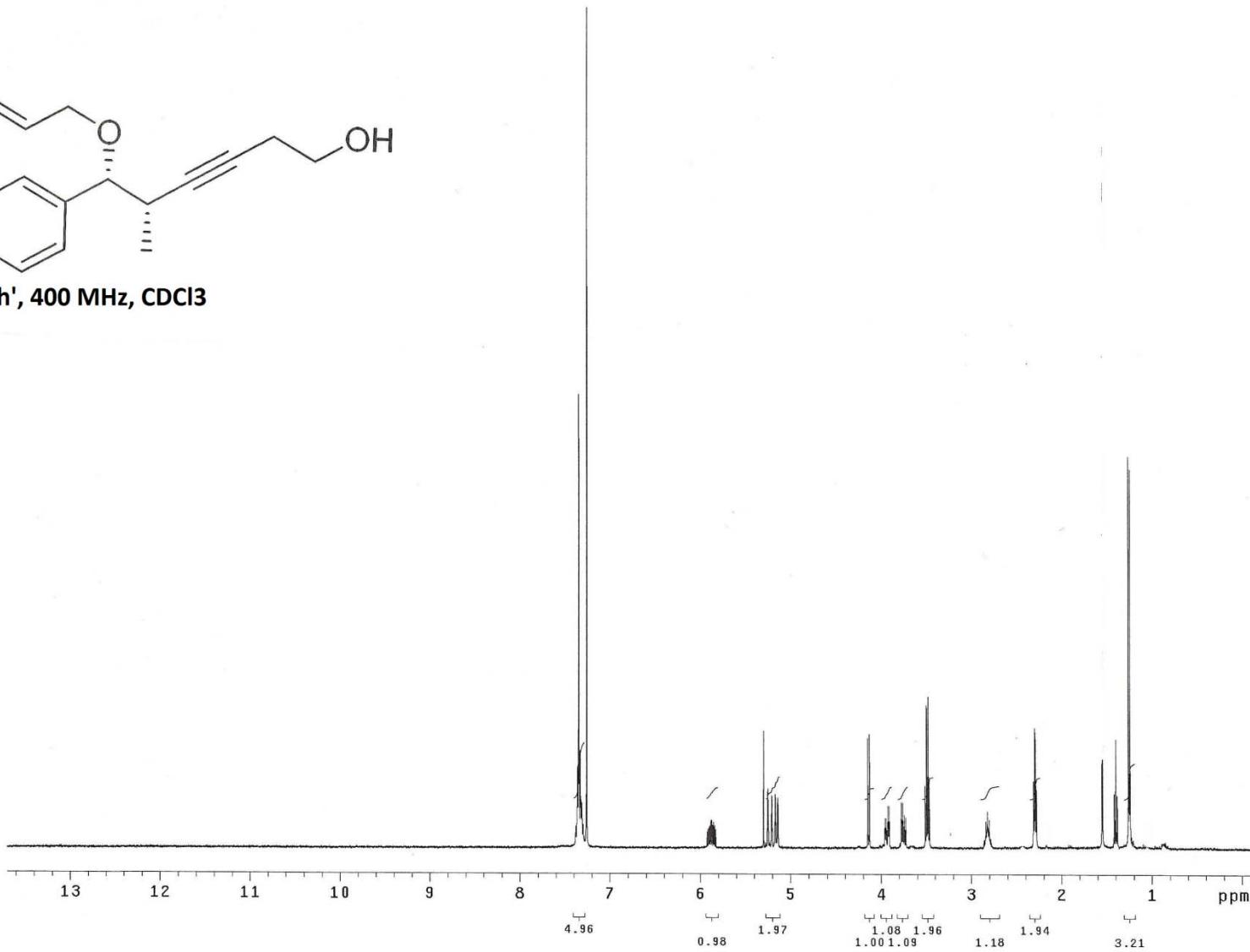
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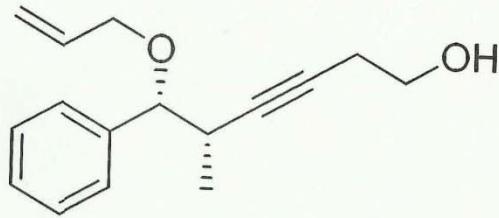
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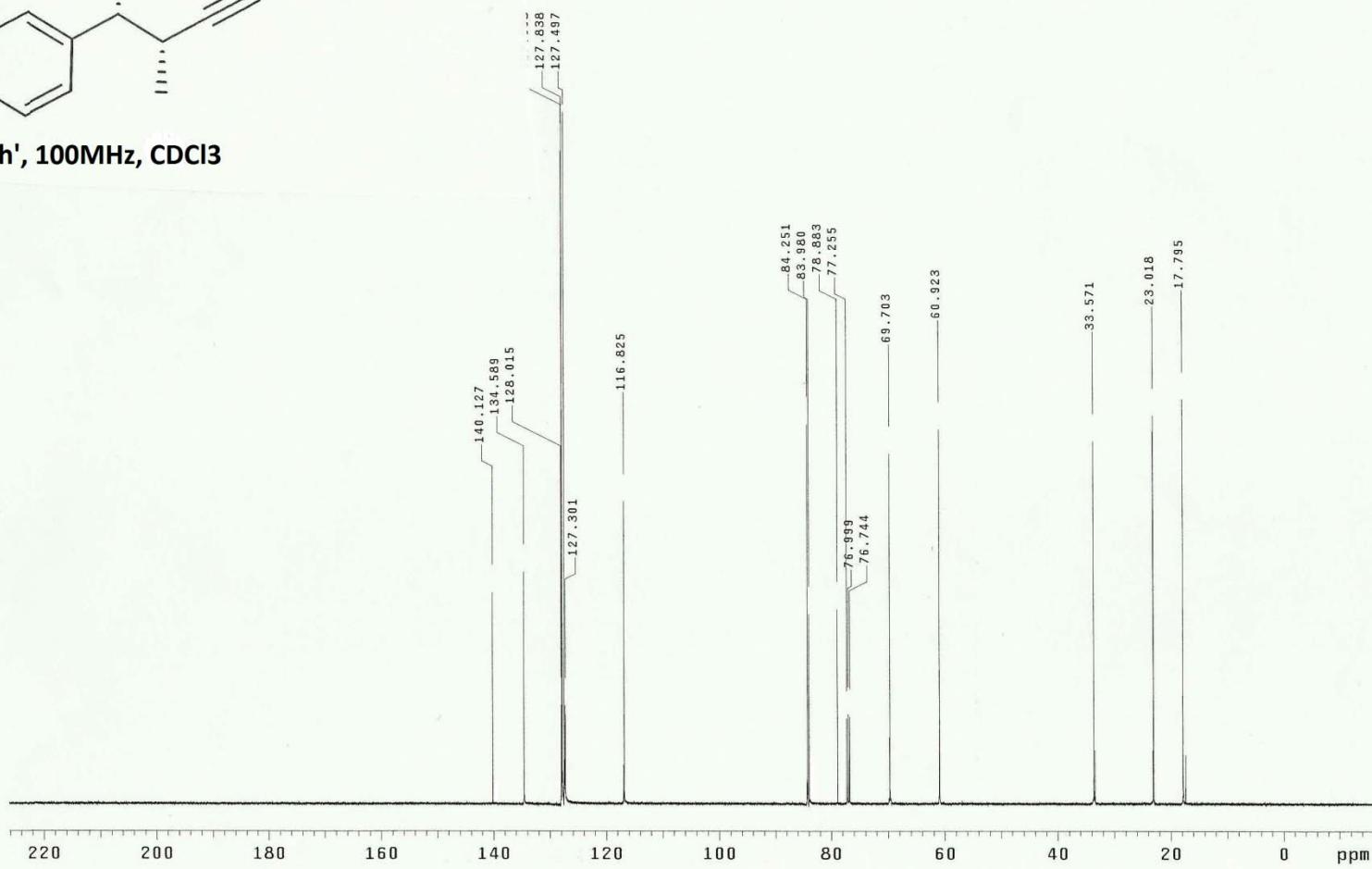


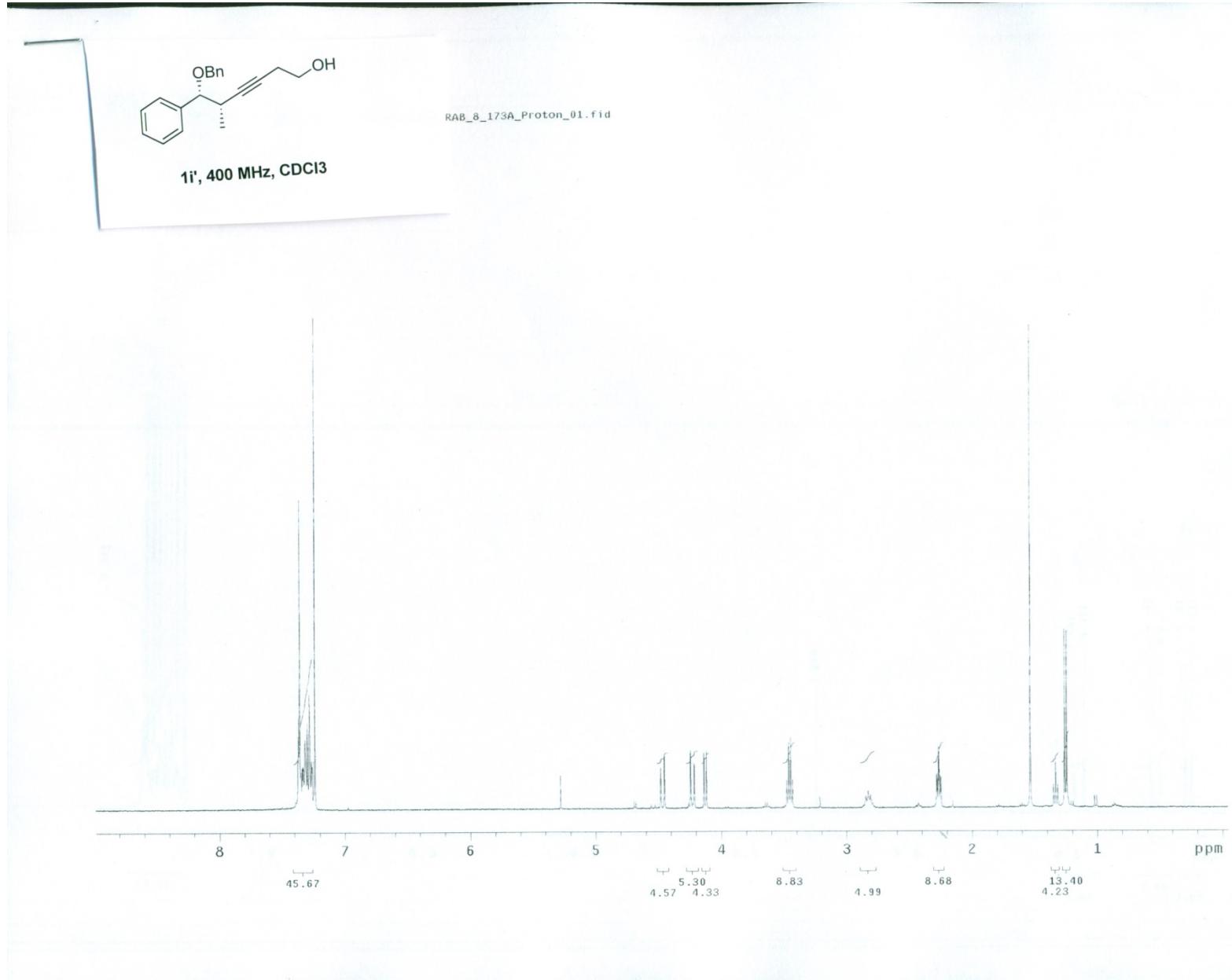
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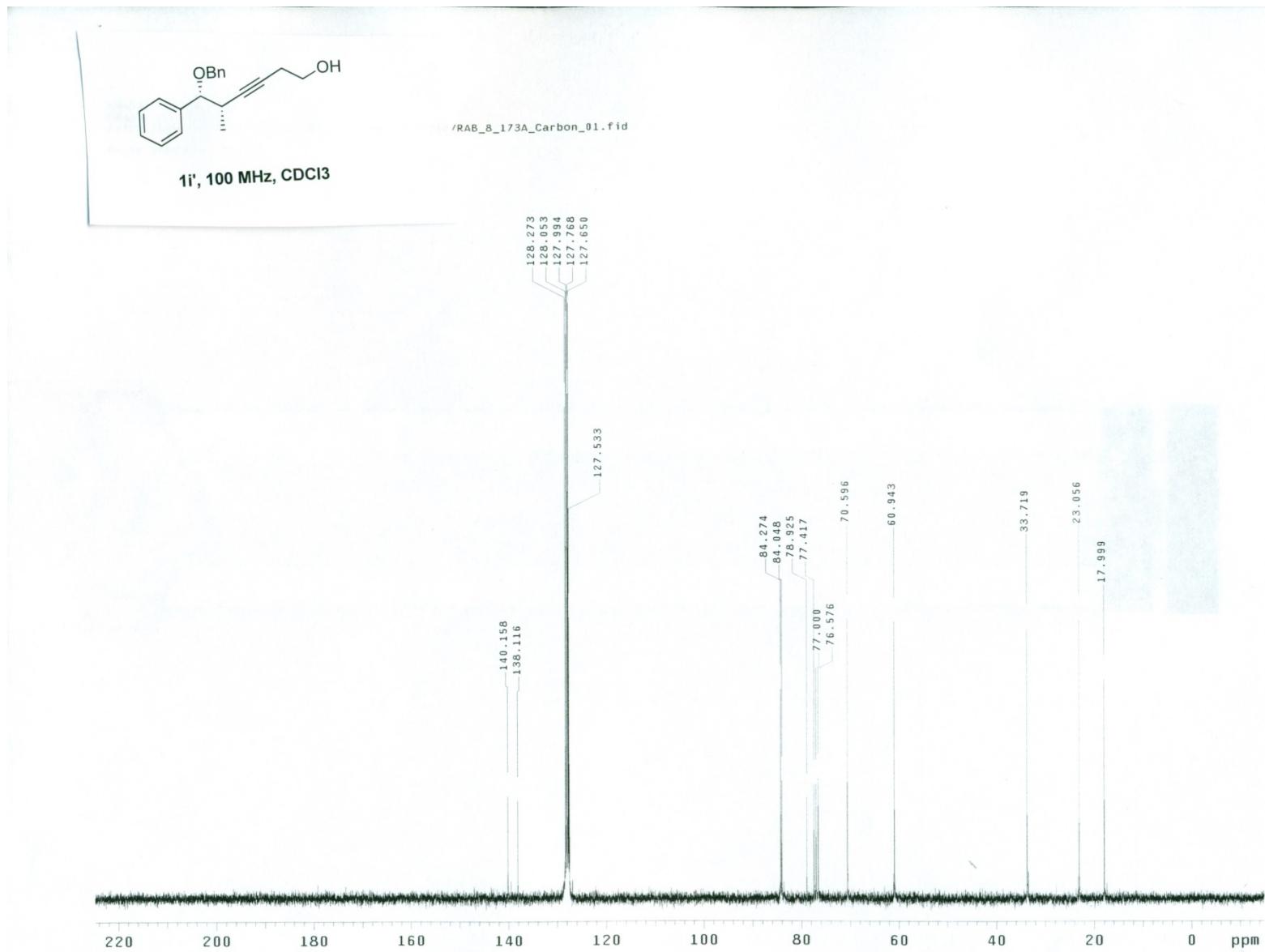


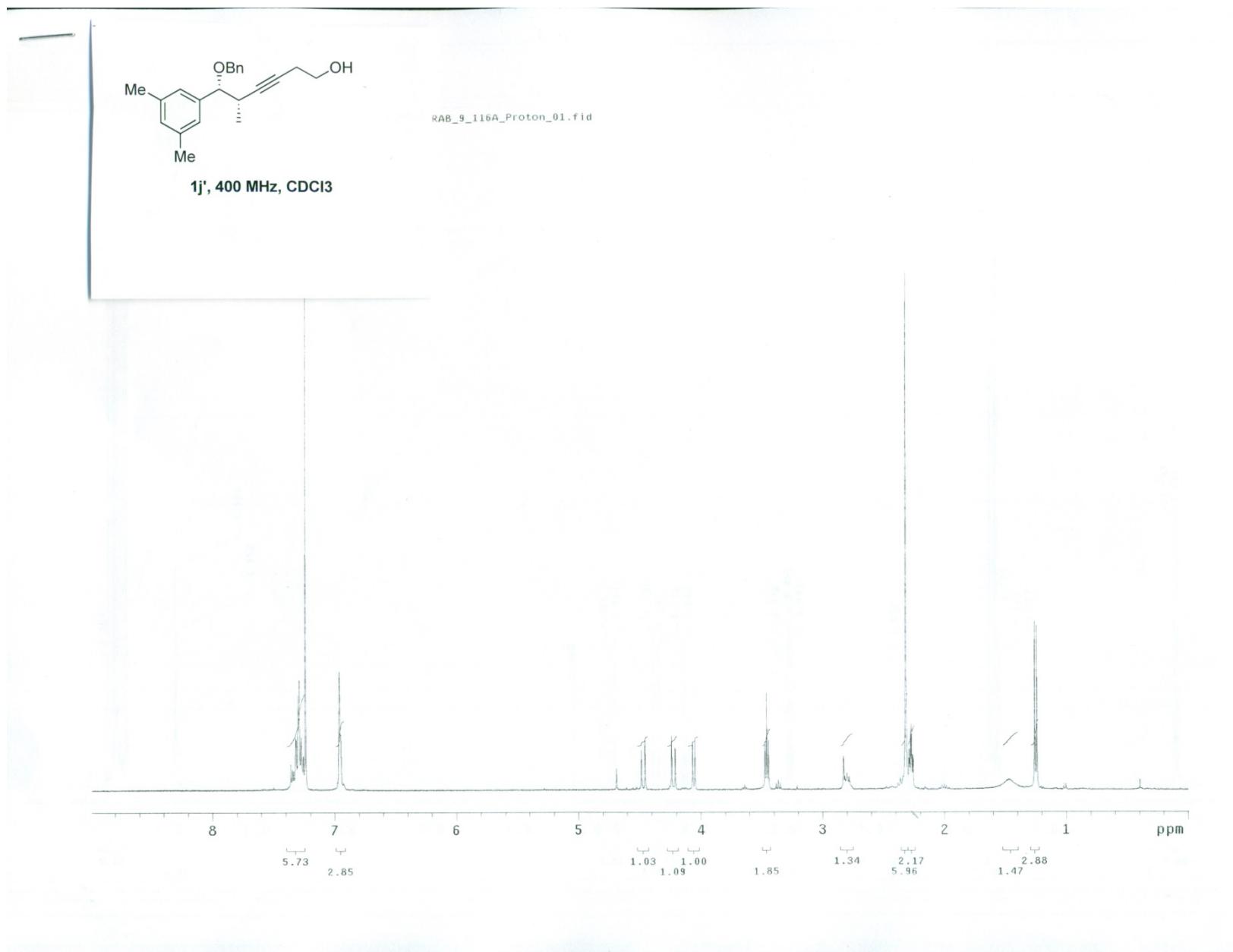


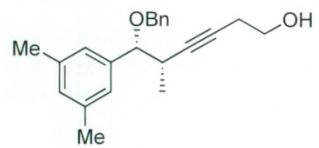
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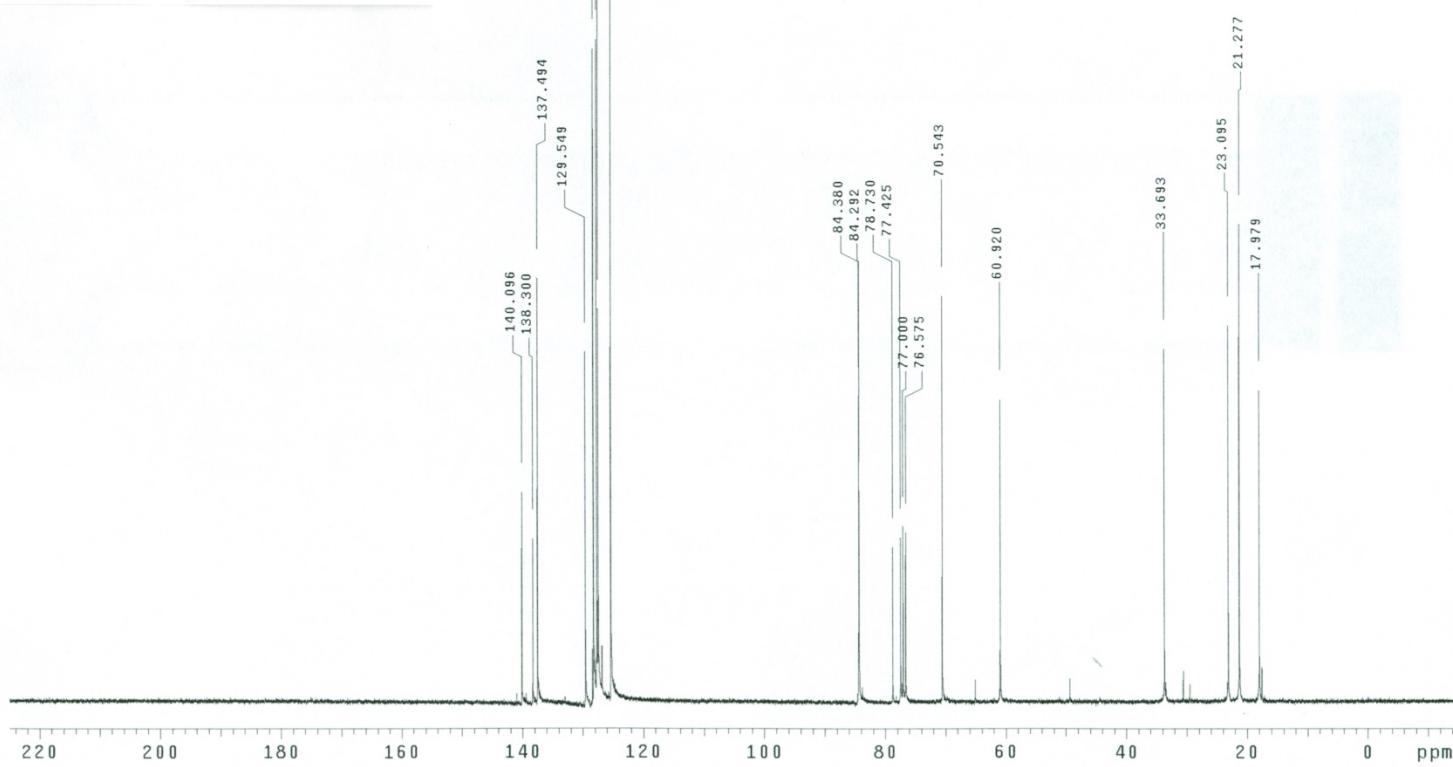


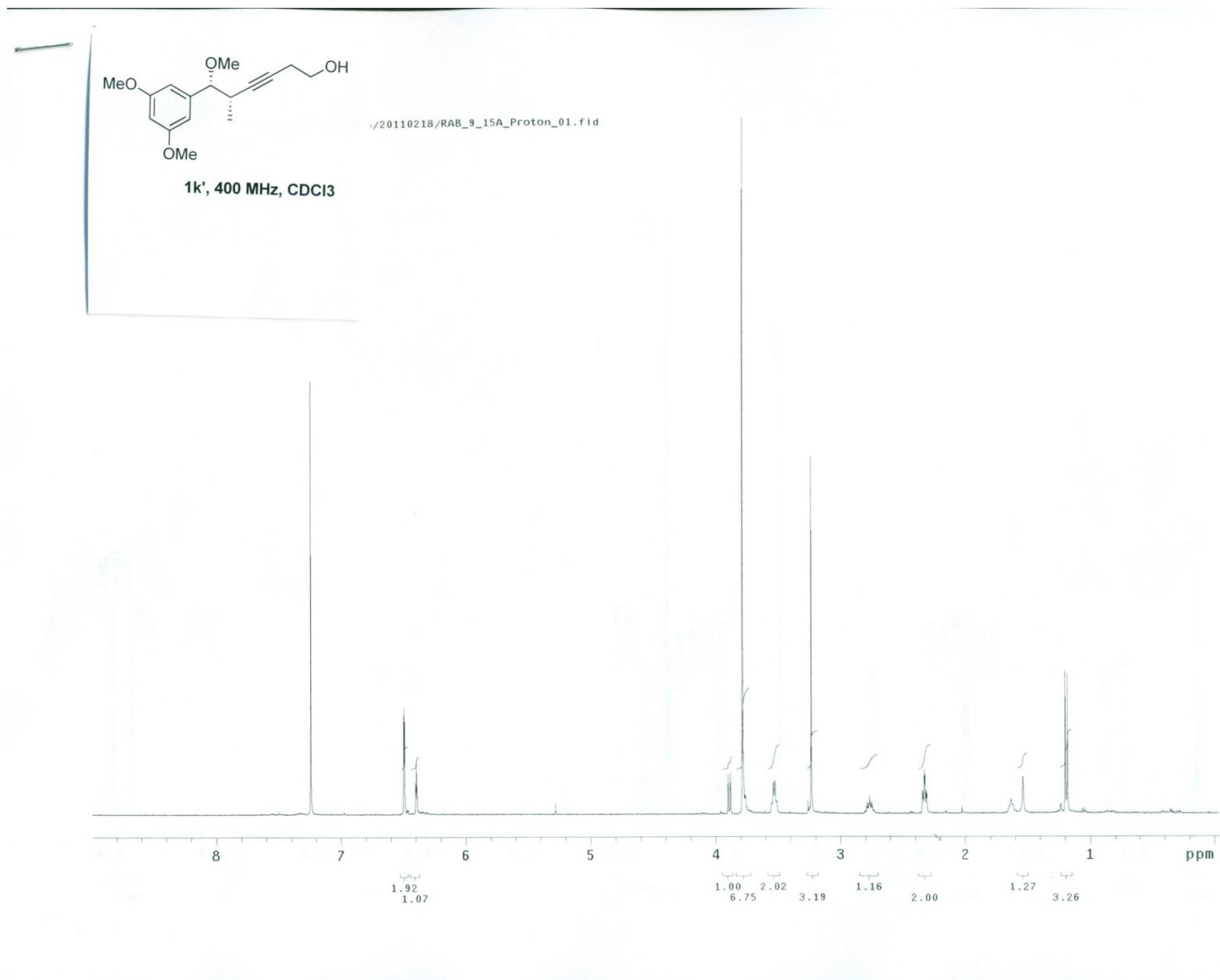


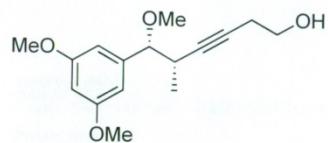


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1j', 100 MHz, CDCl₃

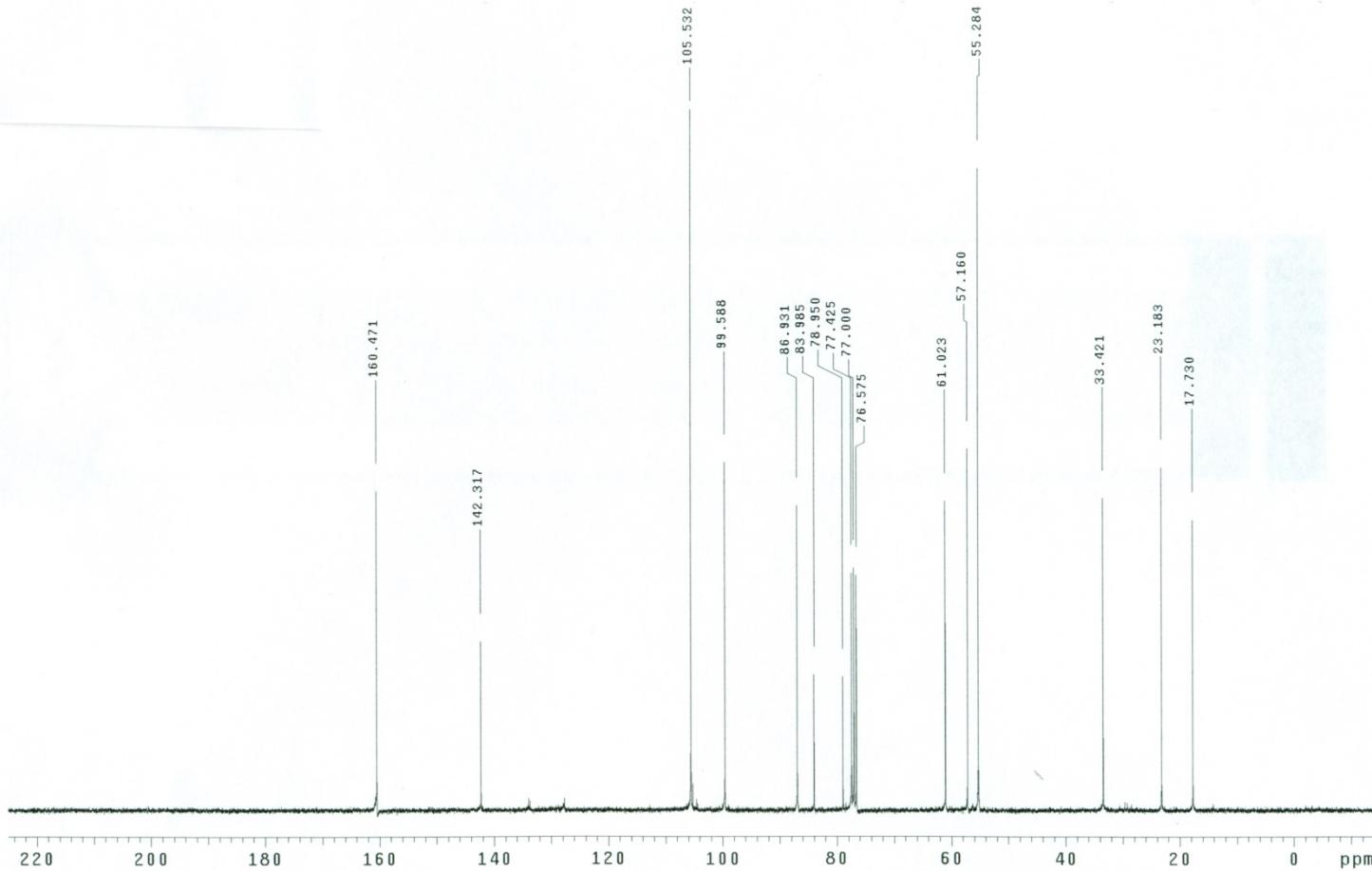


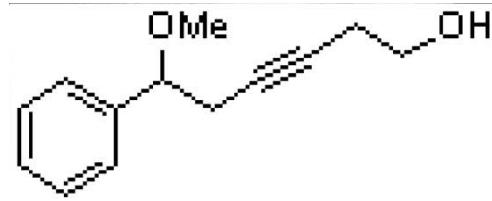




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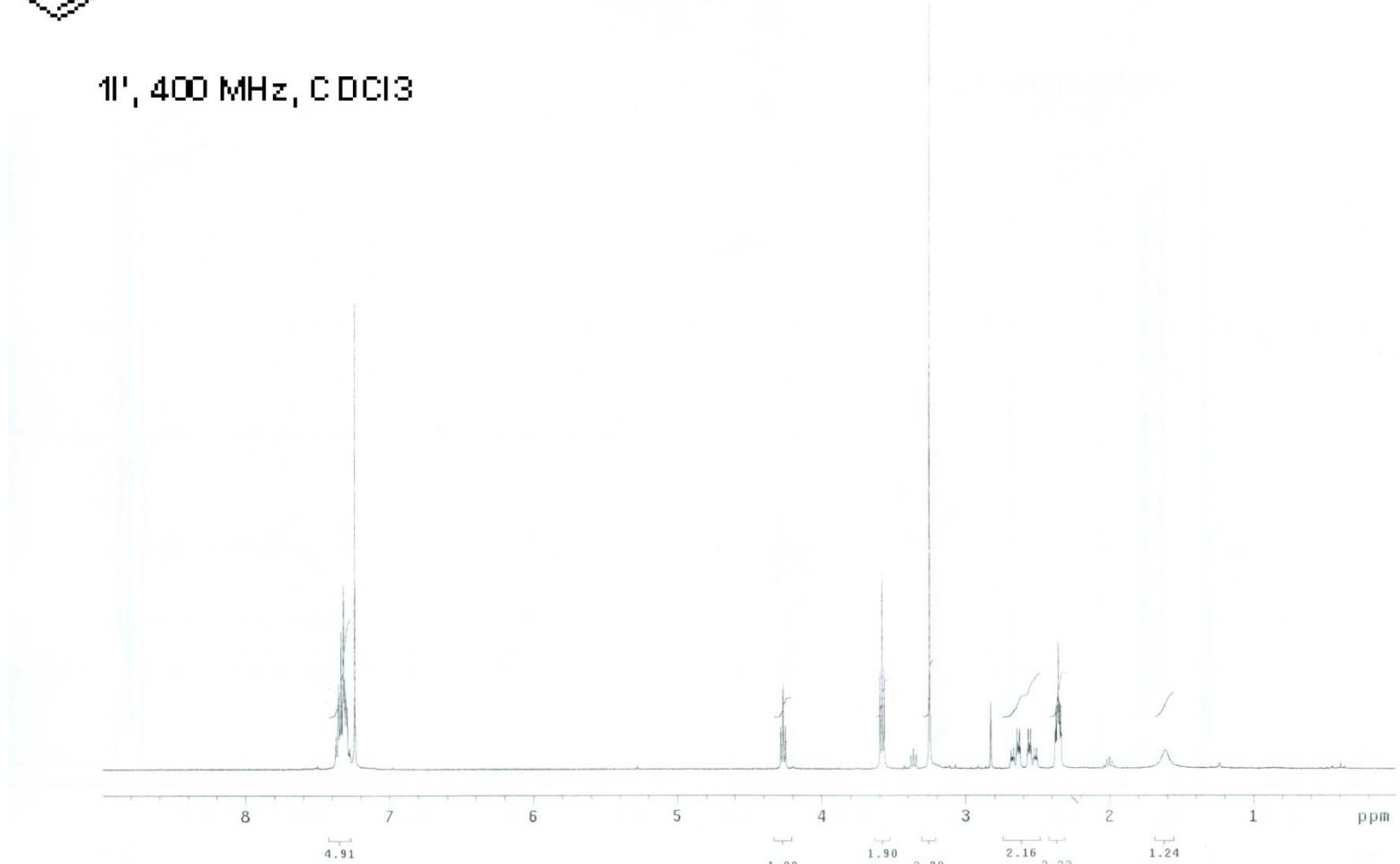
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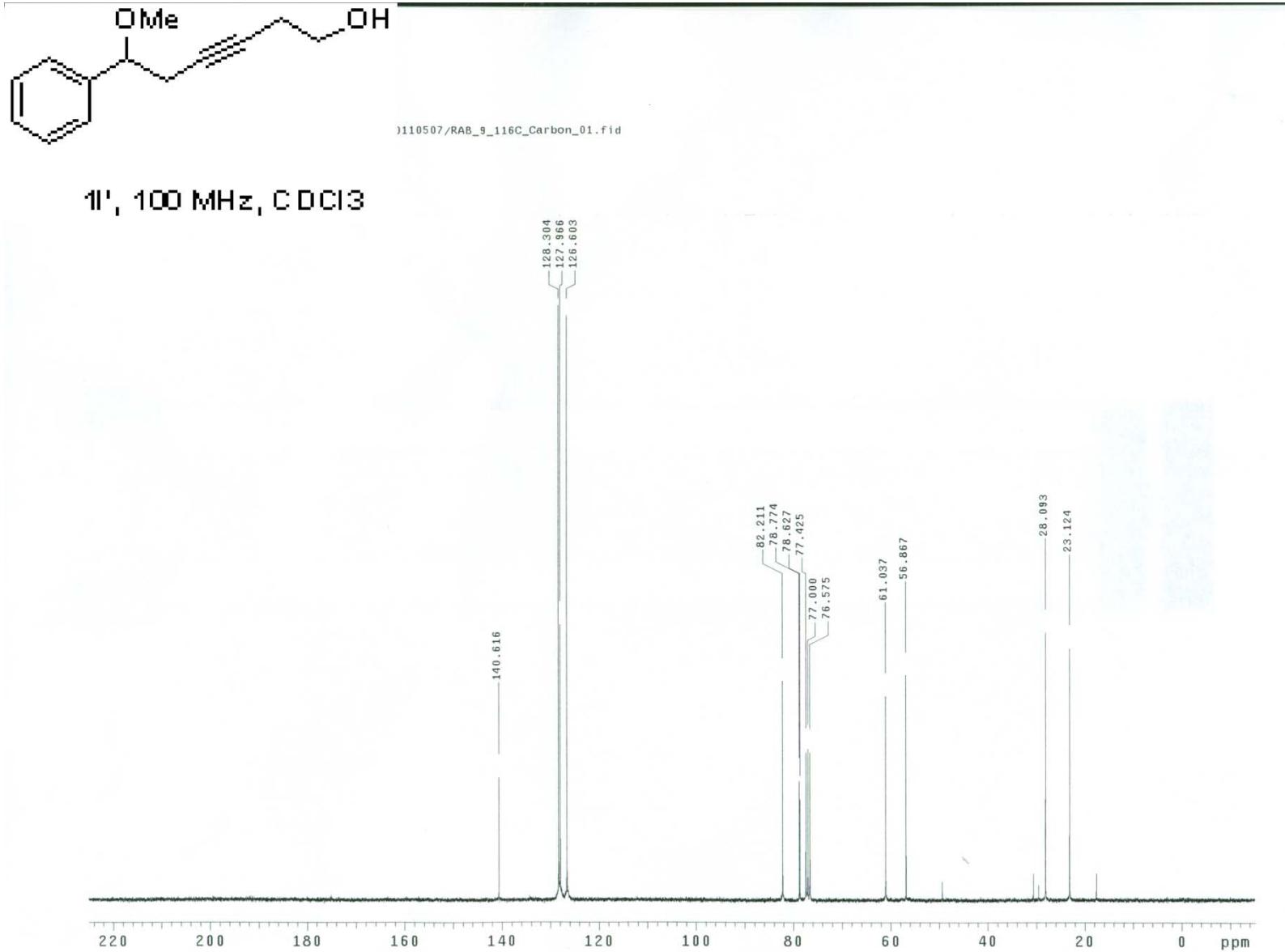


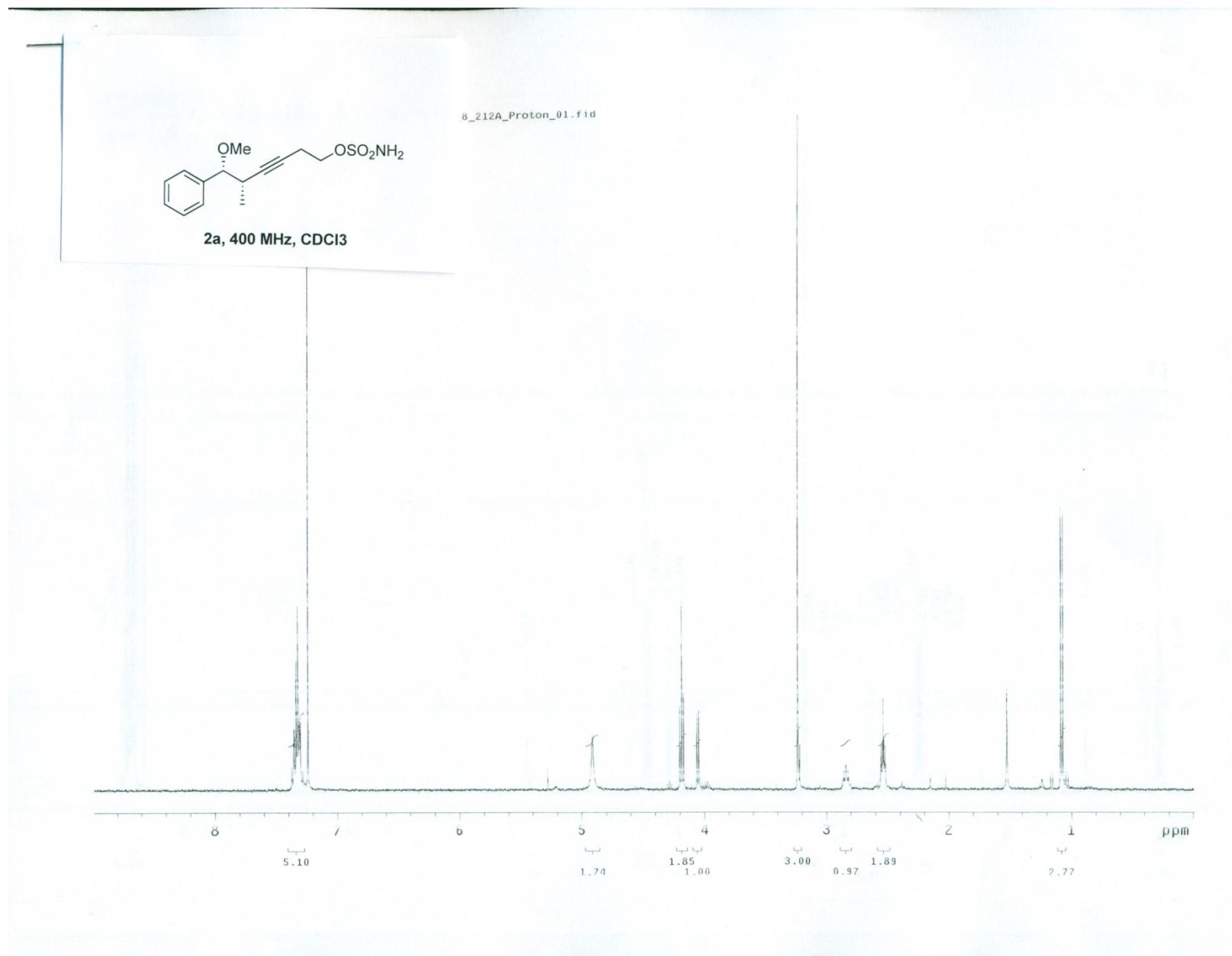


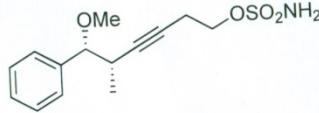
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1H, 400 MHz, CDCl₃



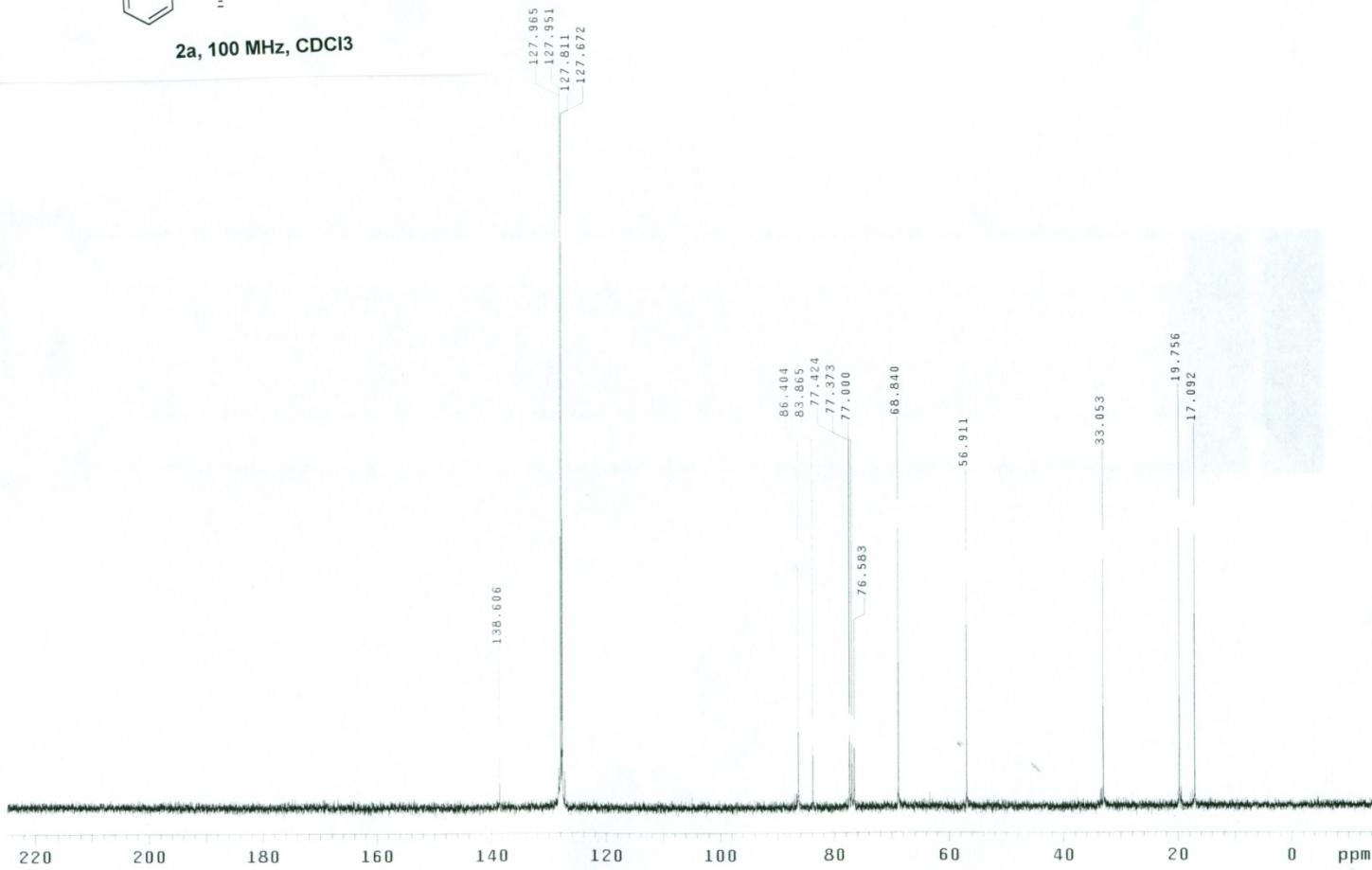


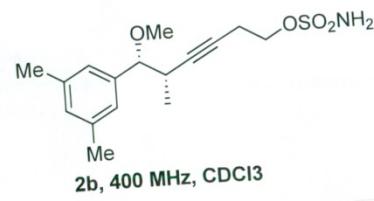




2a, 100 MHz, CDCl₃

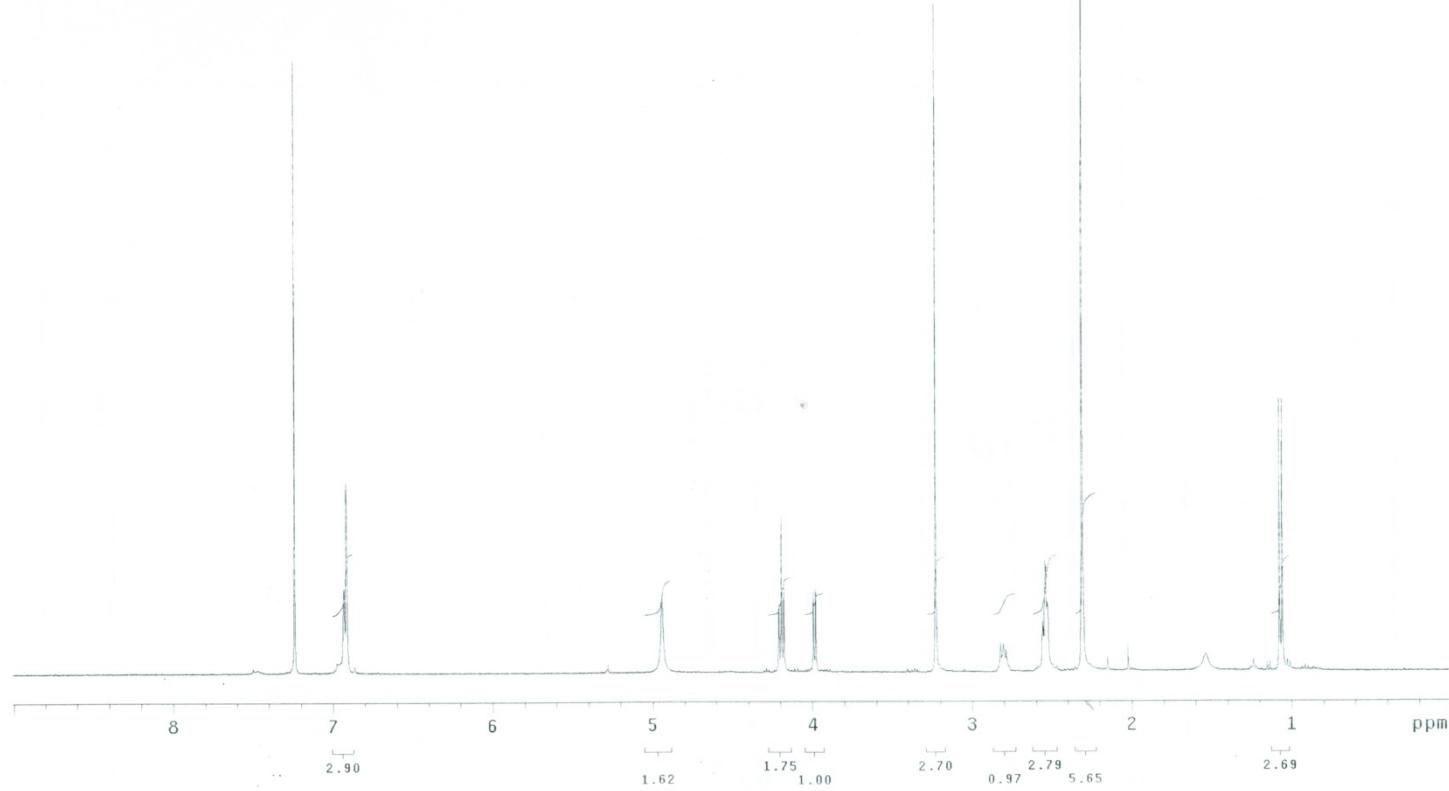
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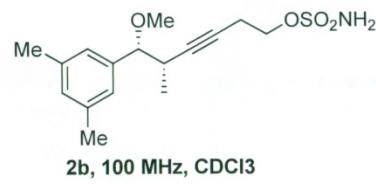




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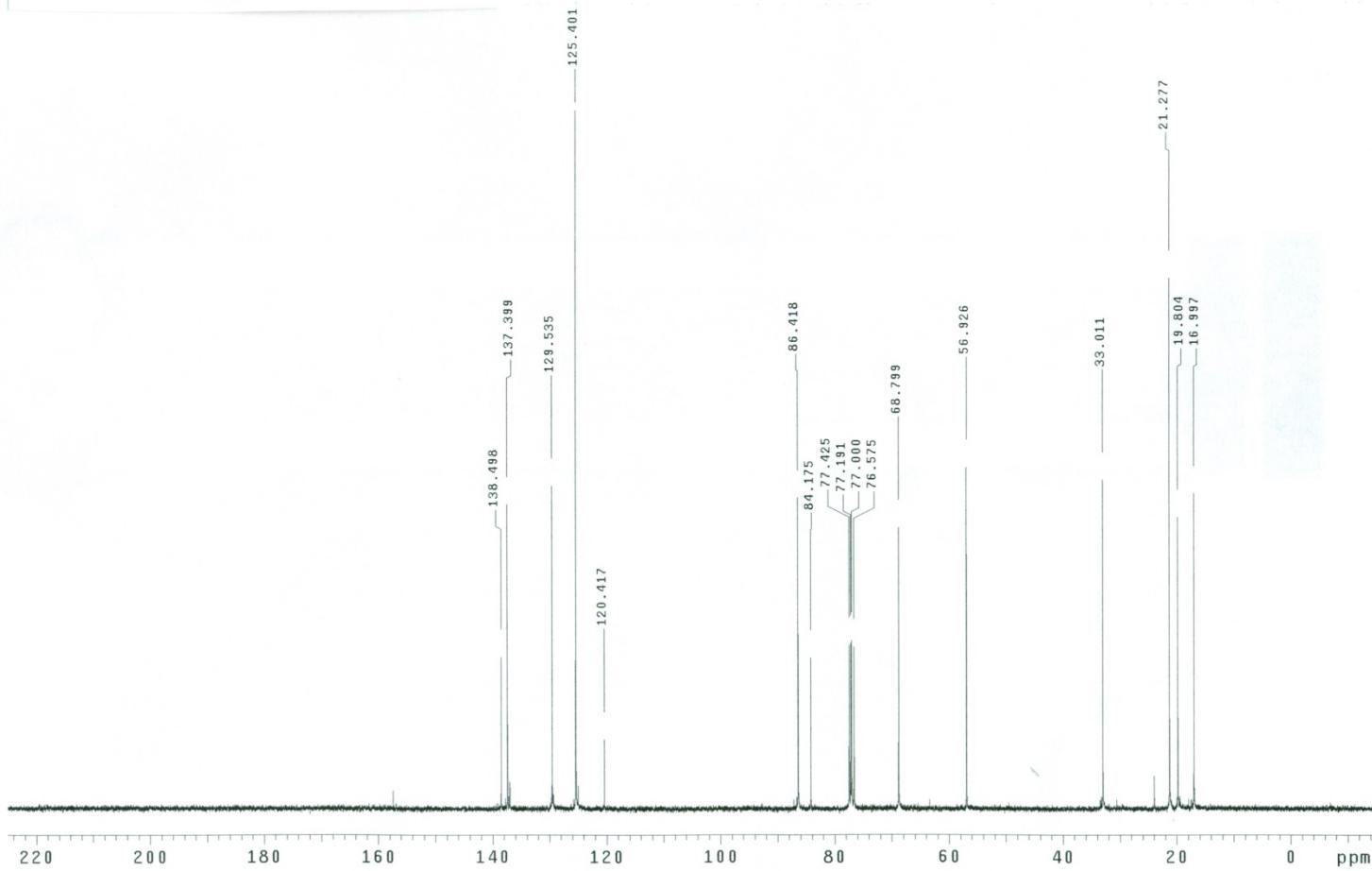
2b, 400 MHz, CDCl₃

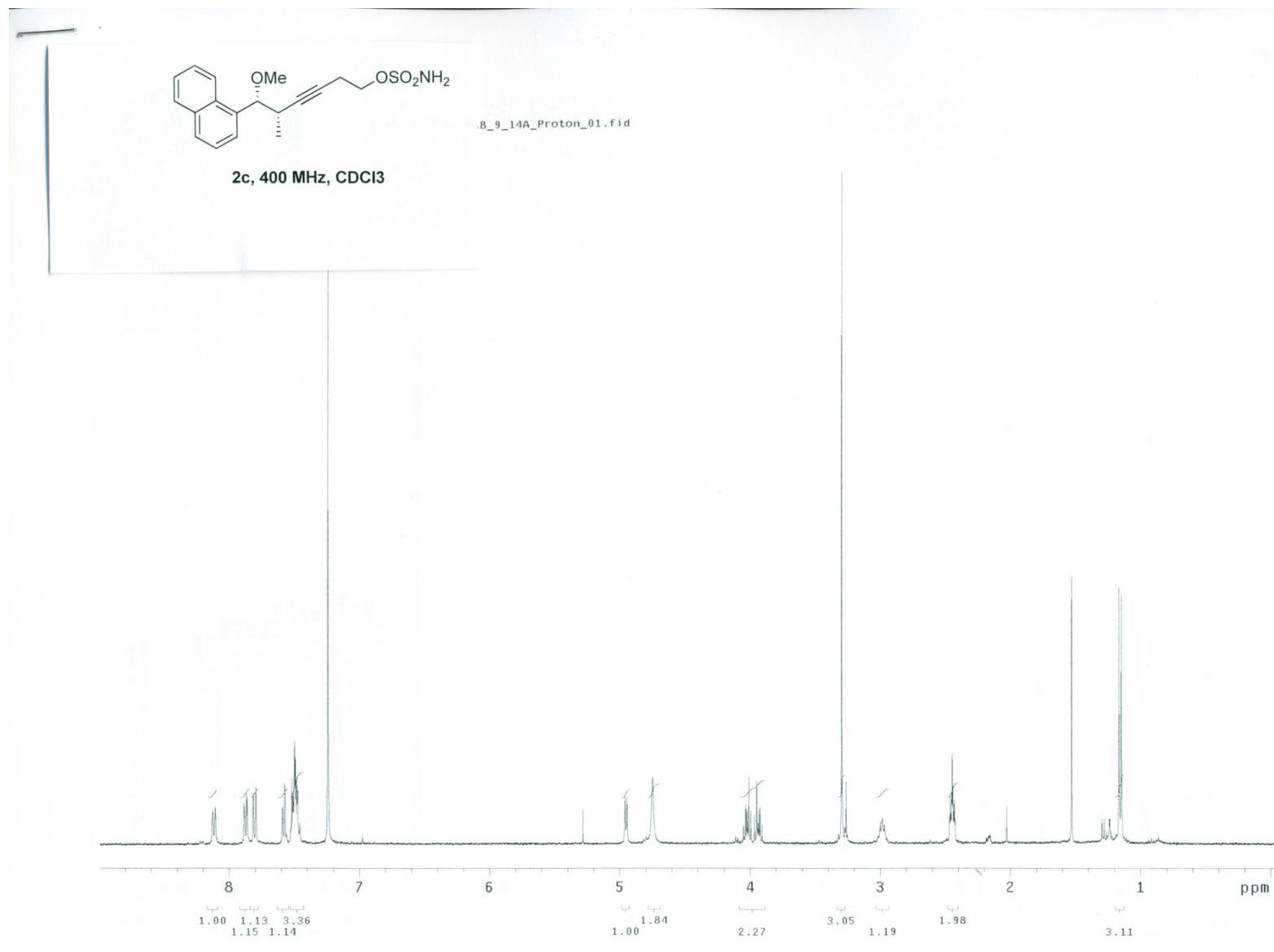


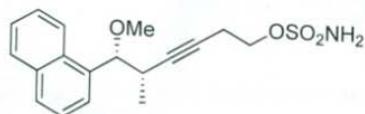


28_Carbon_01.fid

2b, 100 MHz, CDCl₃

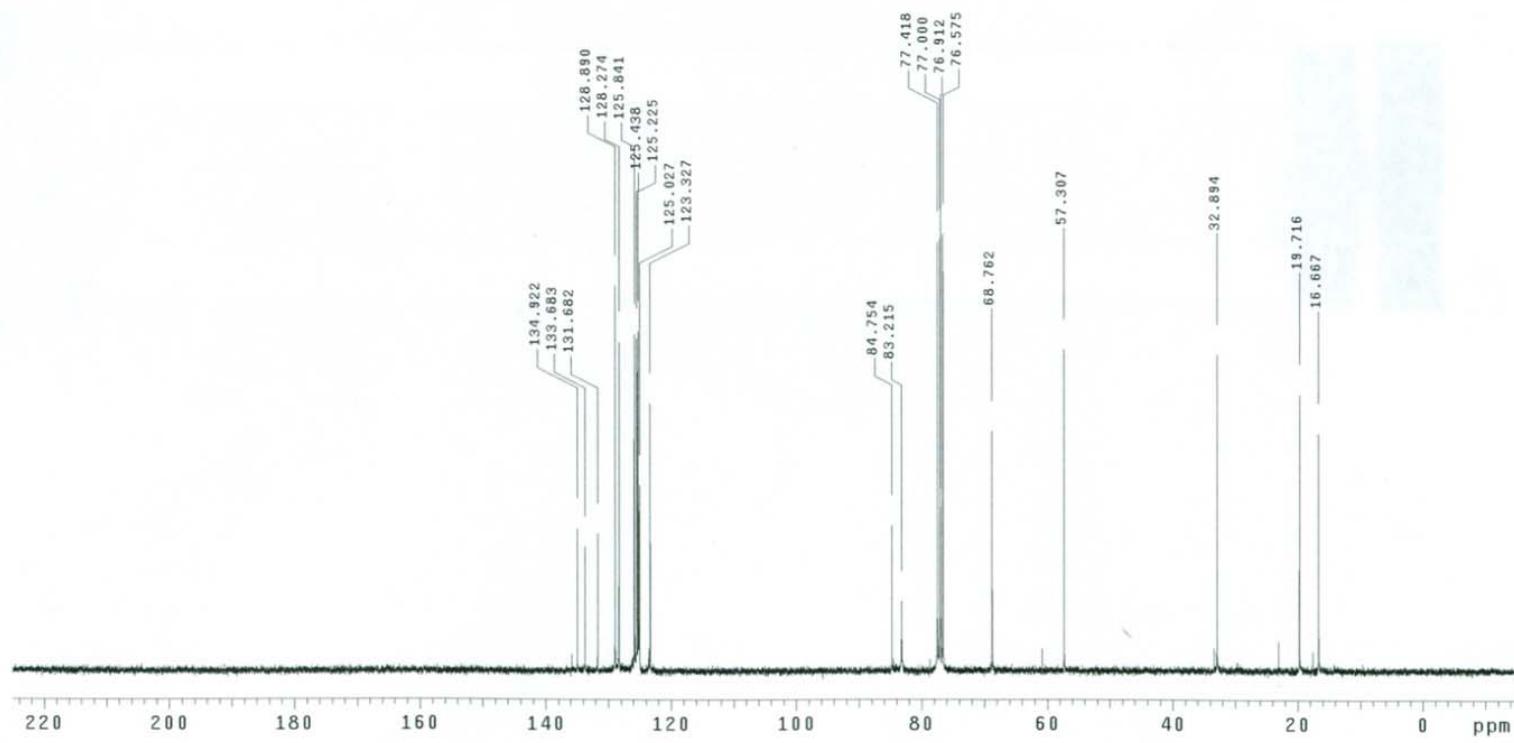


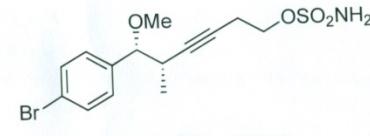




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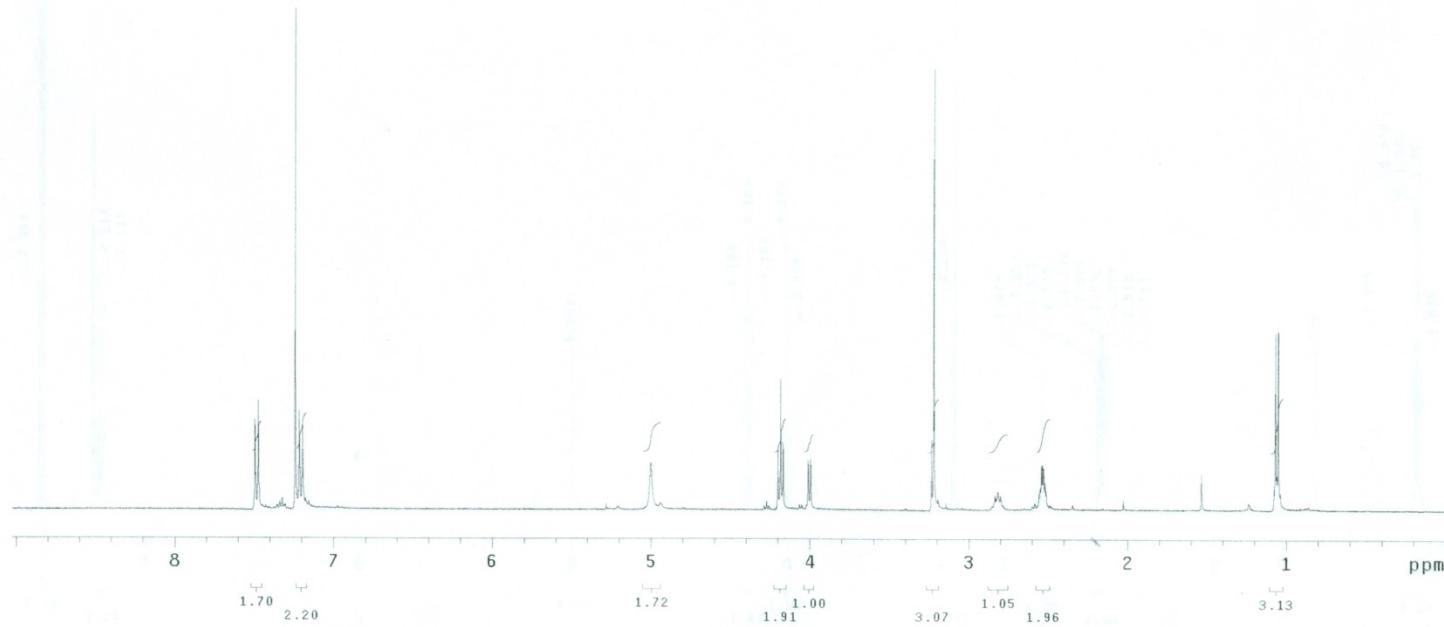
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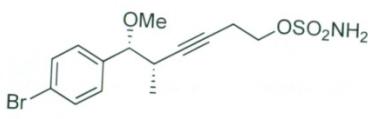




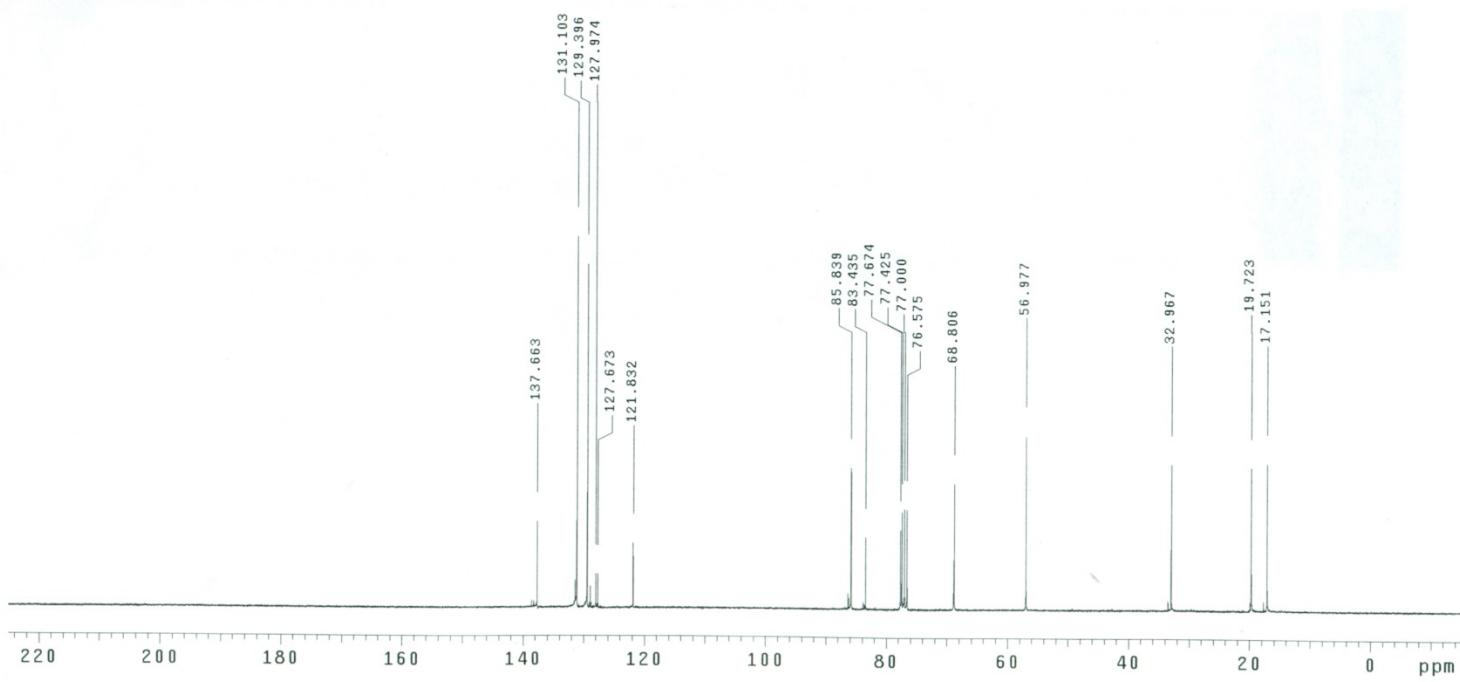
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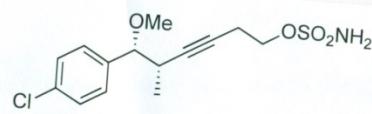
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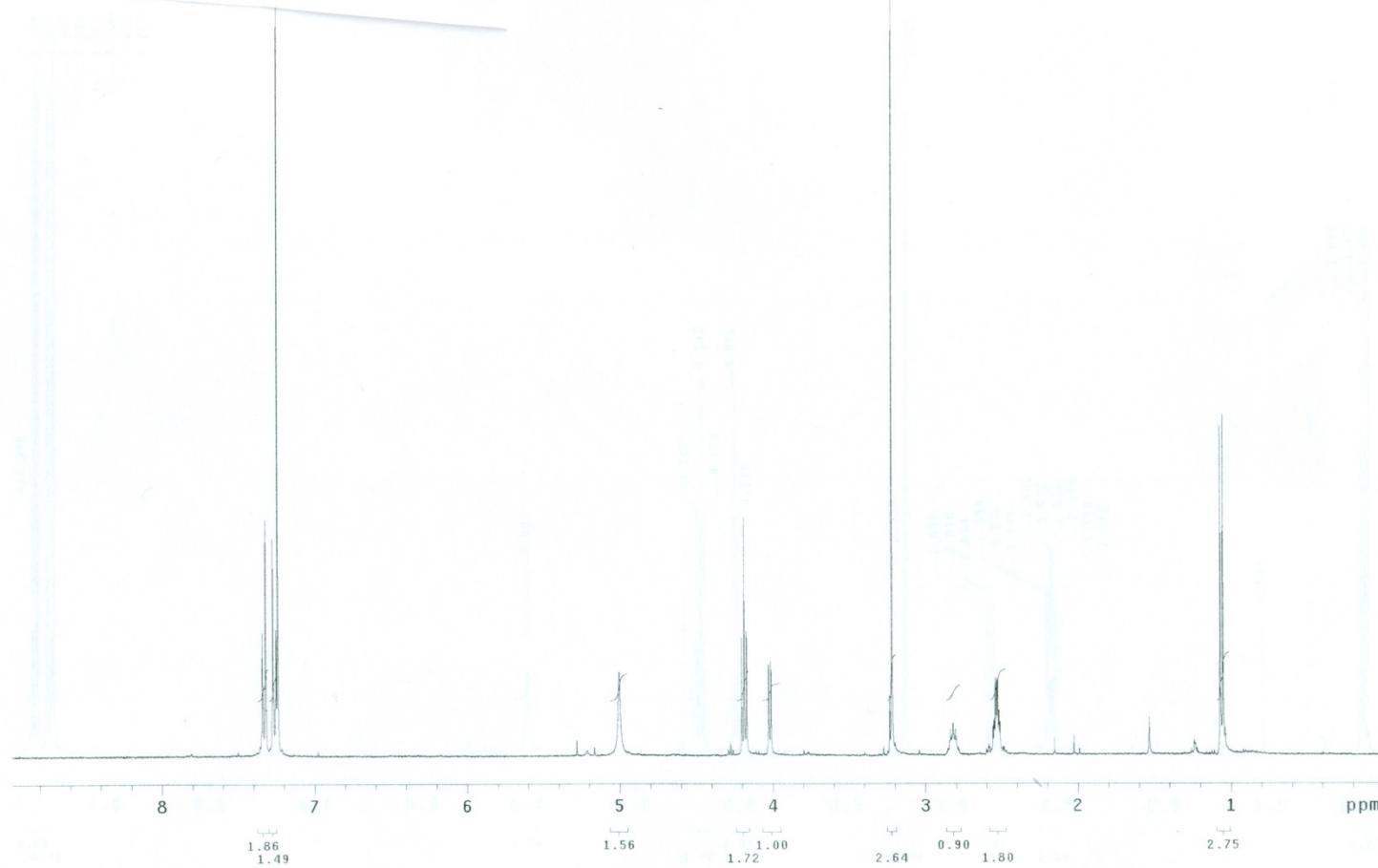
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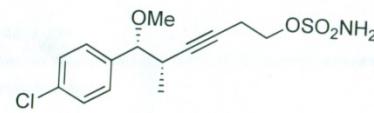
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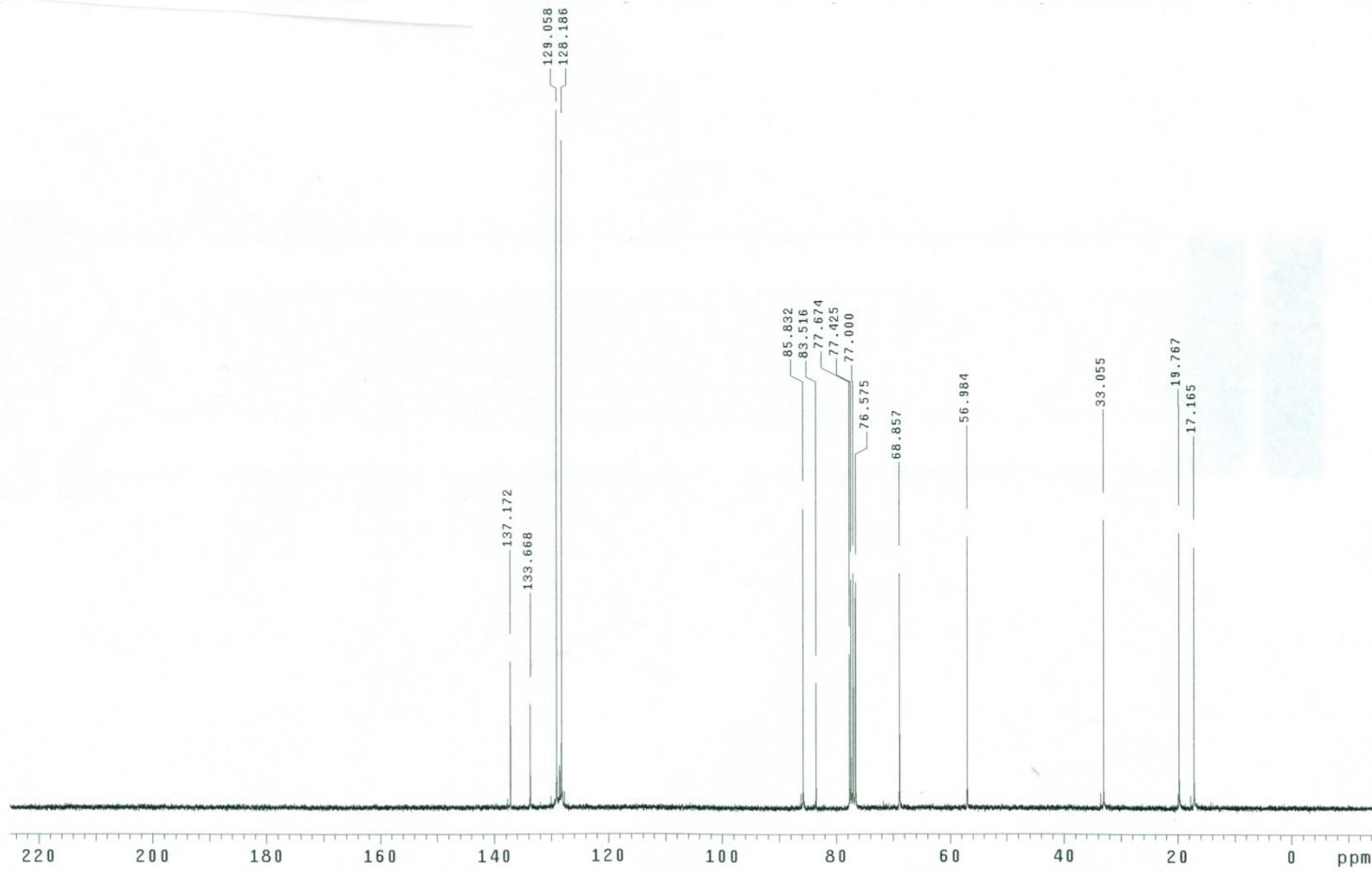
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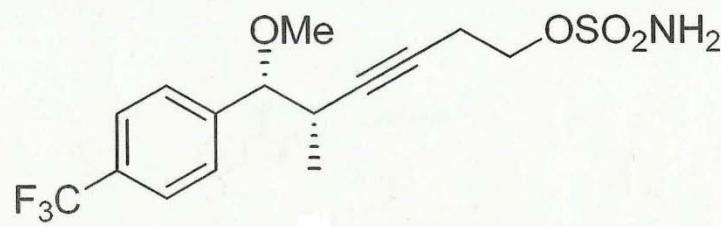
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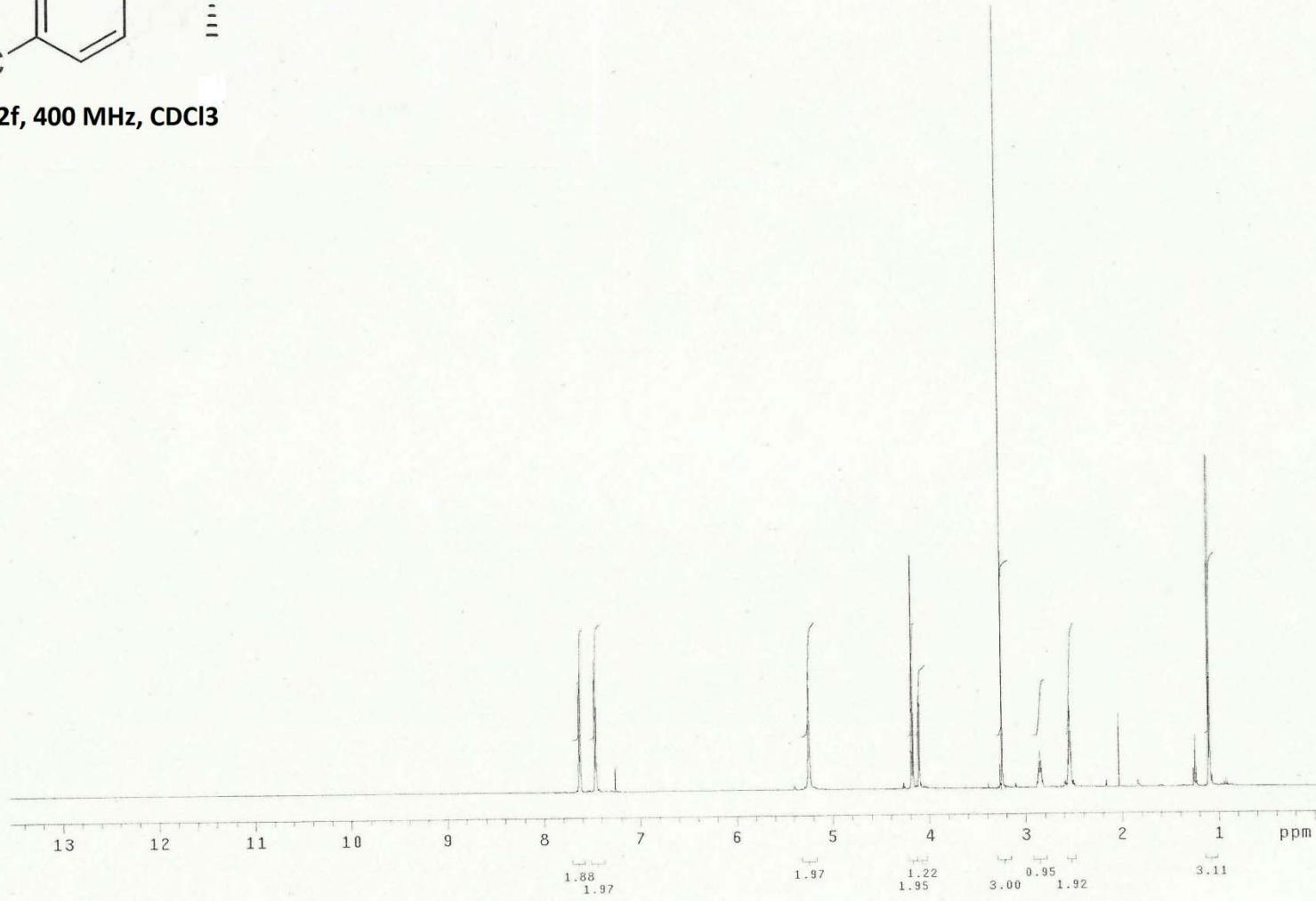


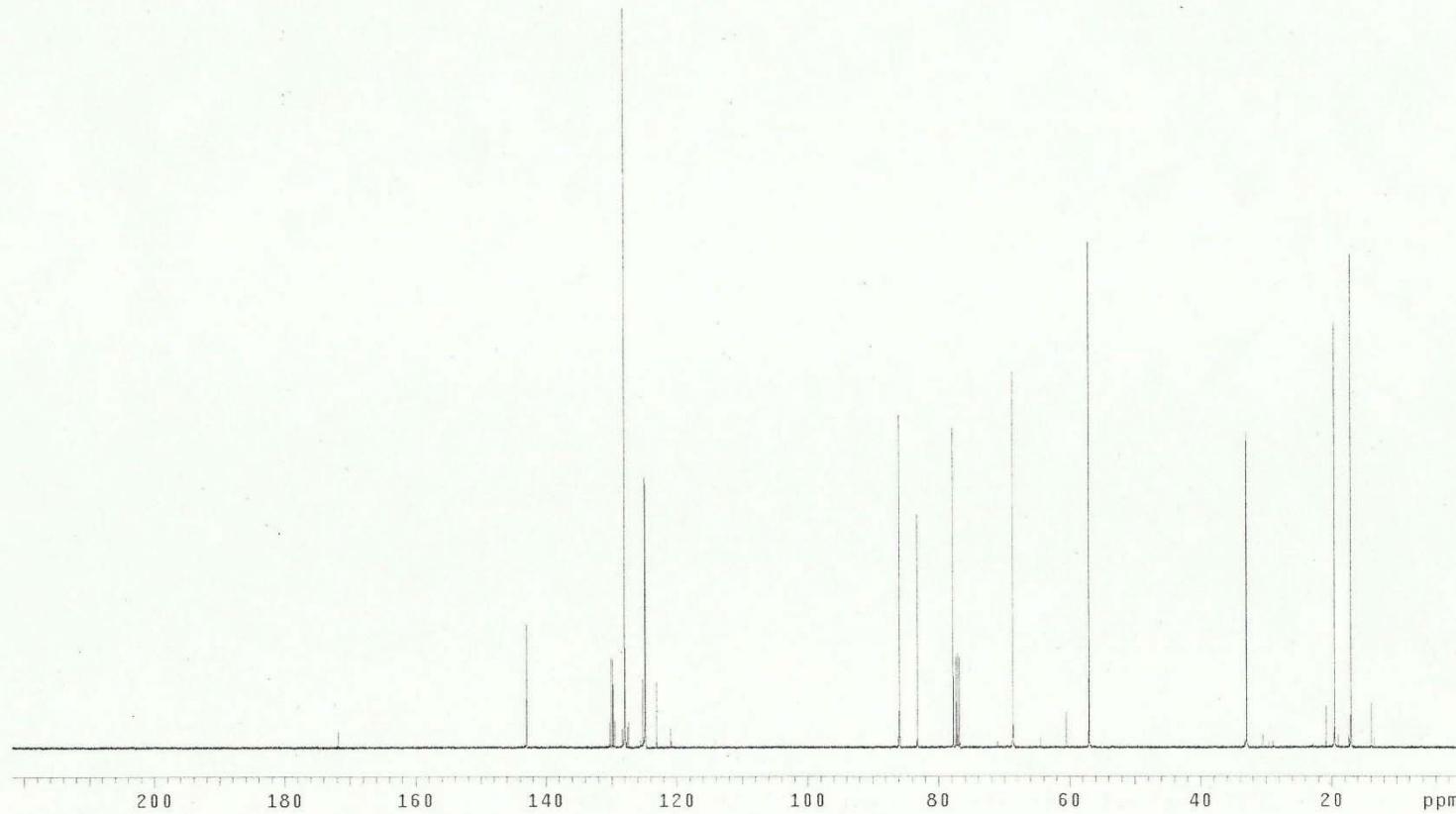
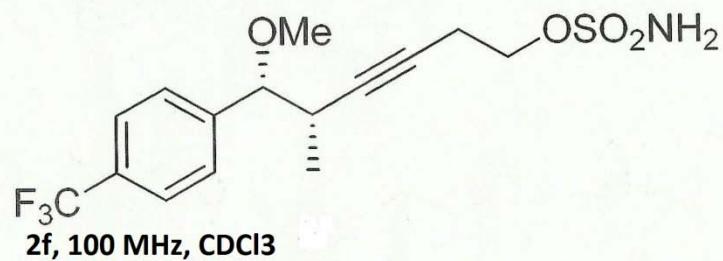
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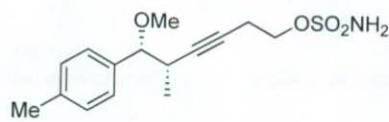
2e, 100 MHz, CDCl₃



2f, 400 MHz, CDCl₃

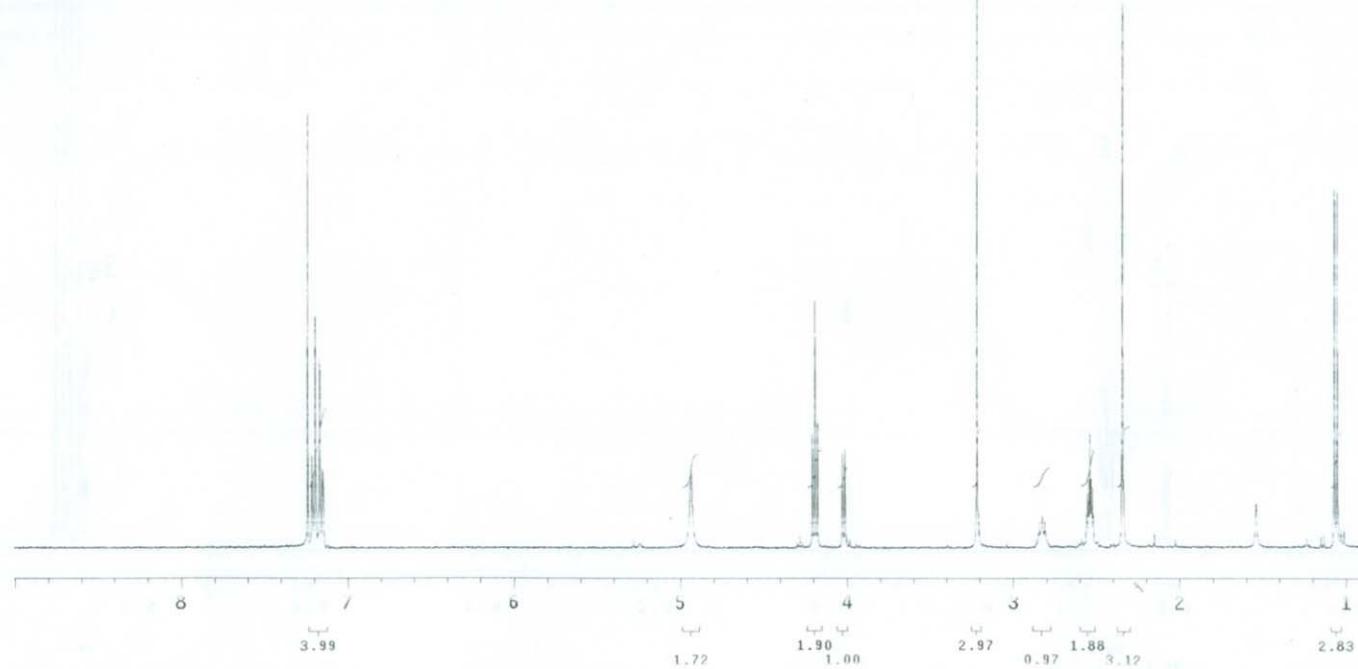


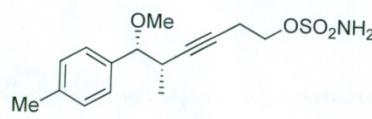




3_212B_Proton_01.fid

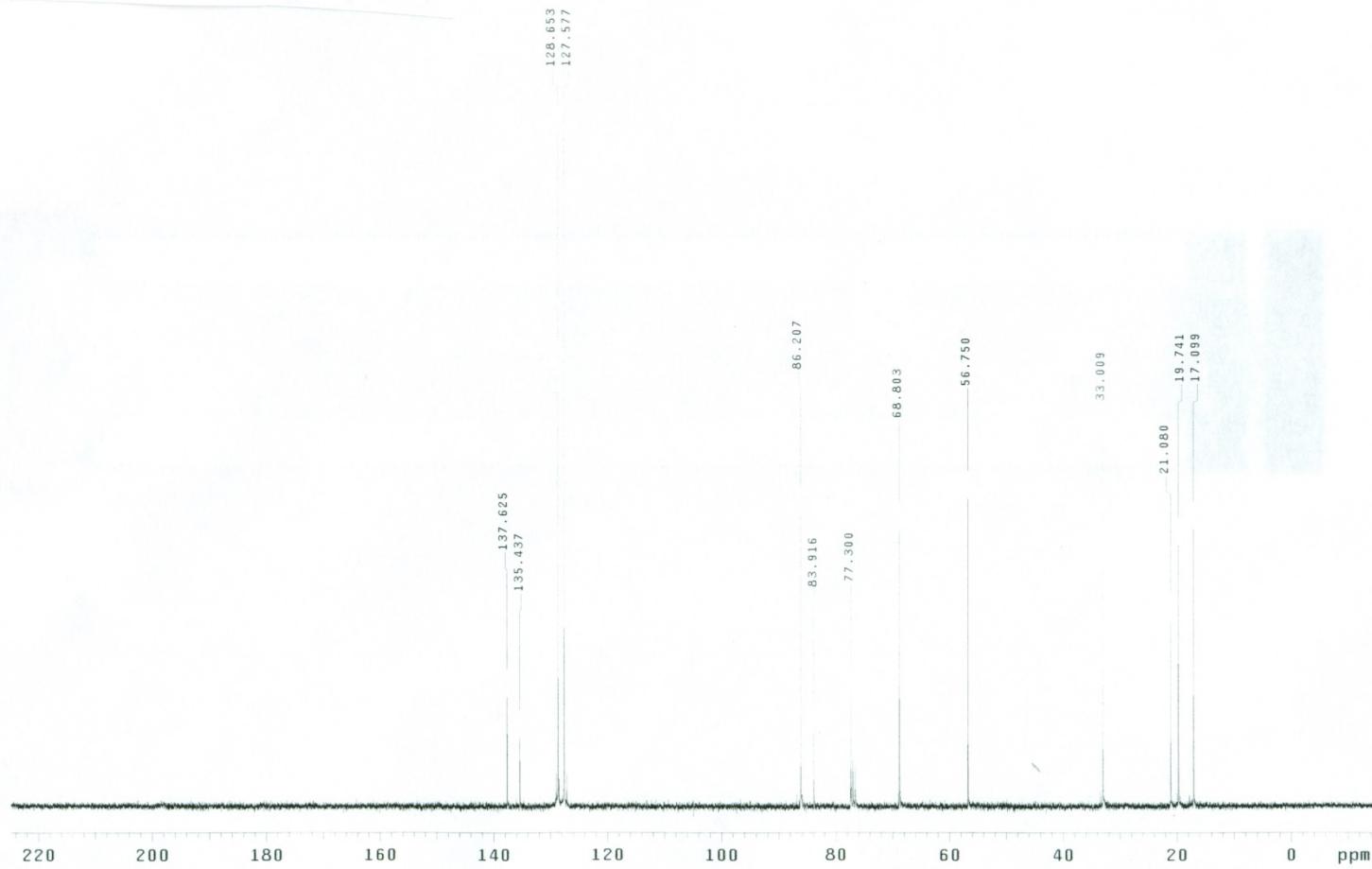
2g, 400 MHz, CDCl₃

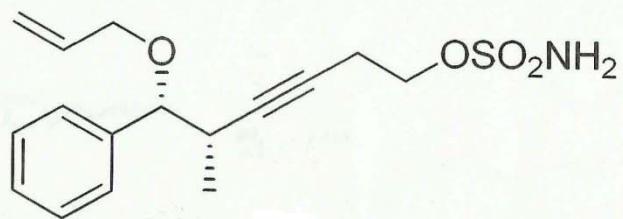




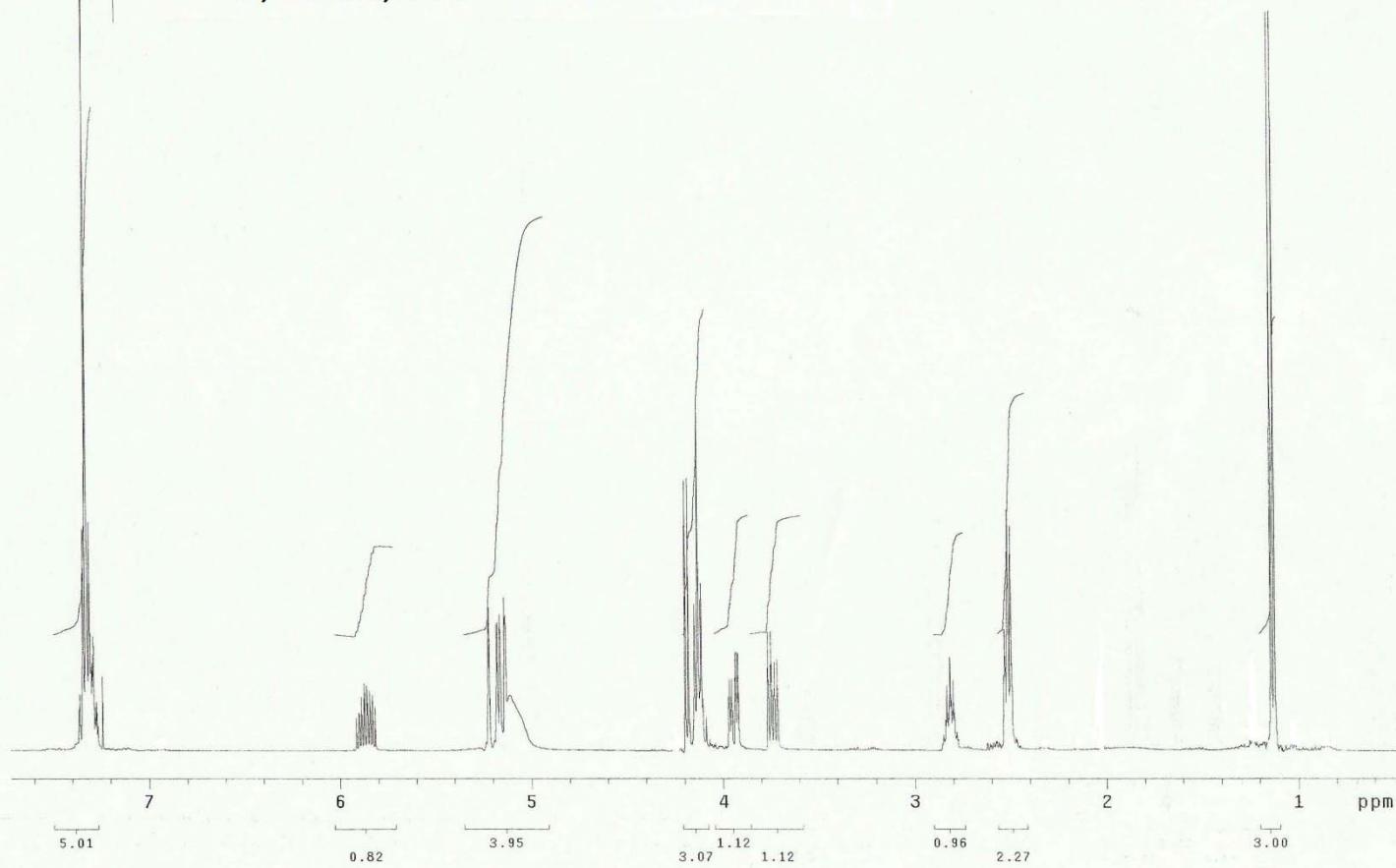
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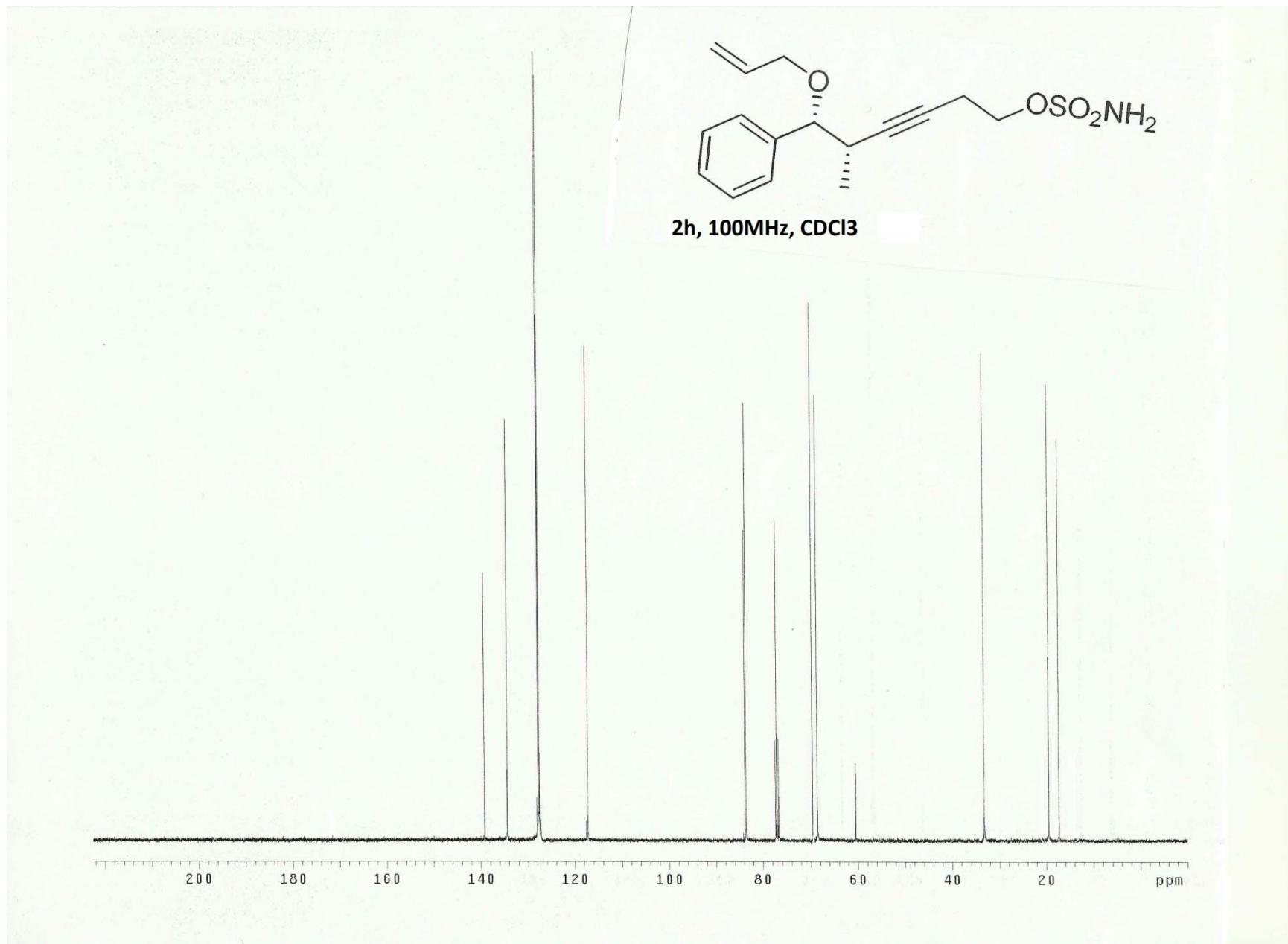
2g, 100 MHz, CDCl₃

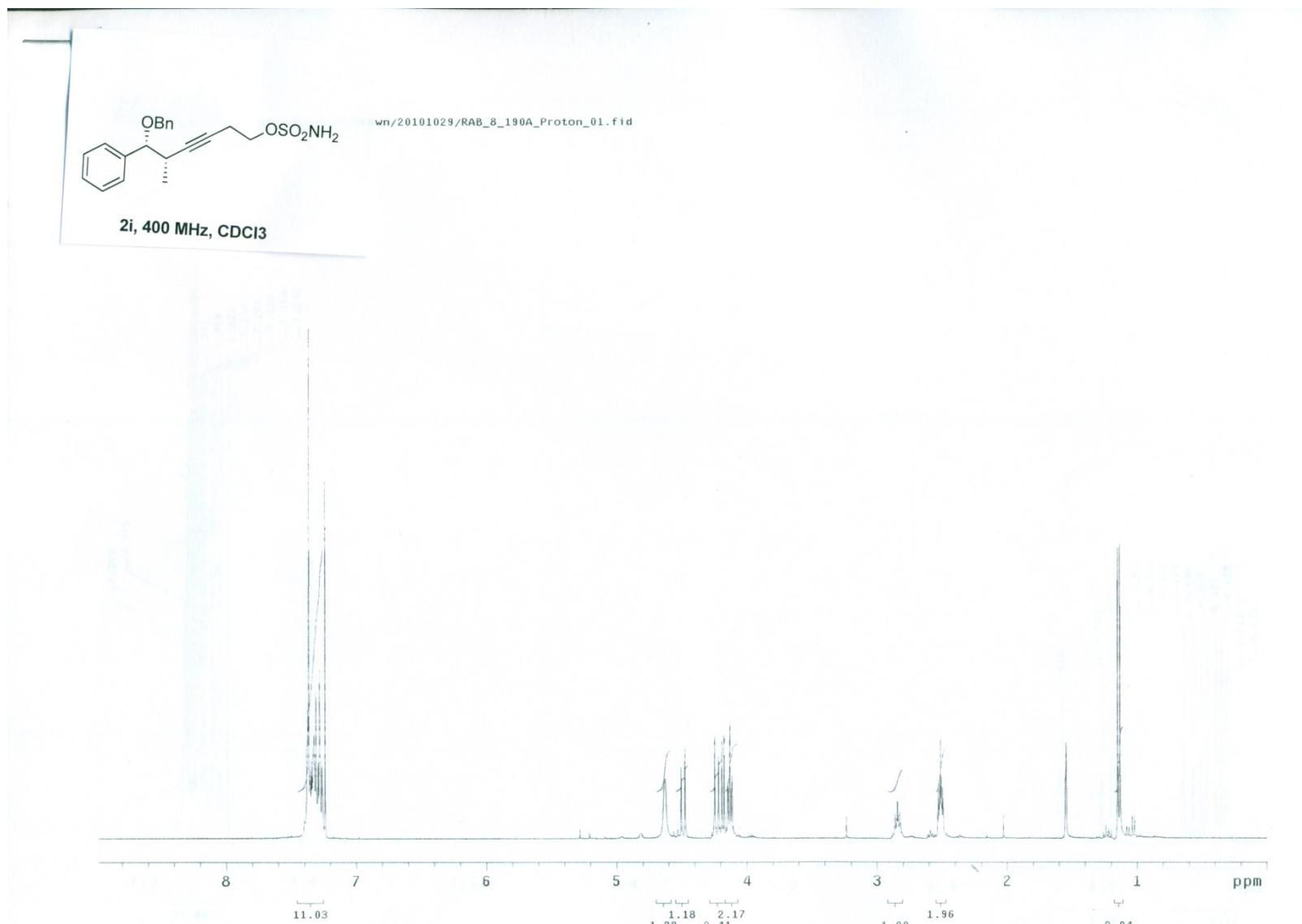


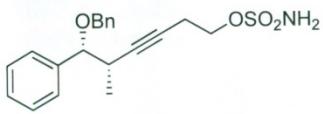


2h, 400MHz, CDCl₃



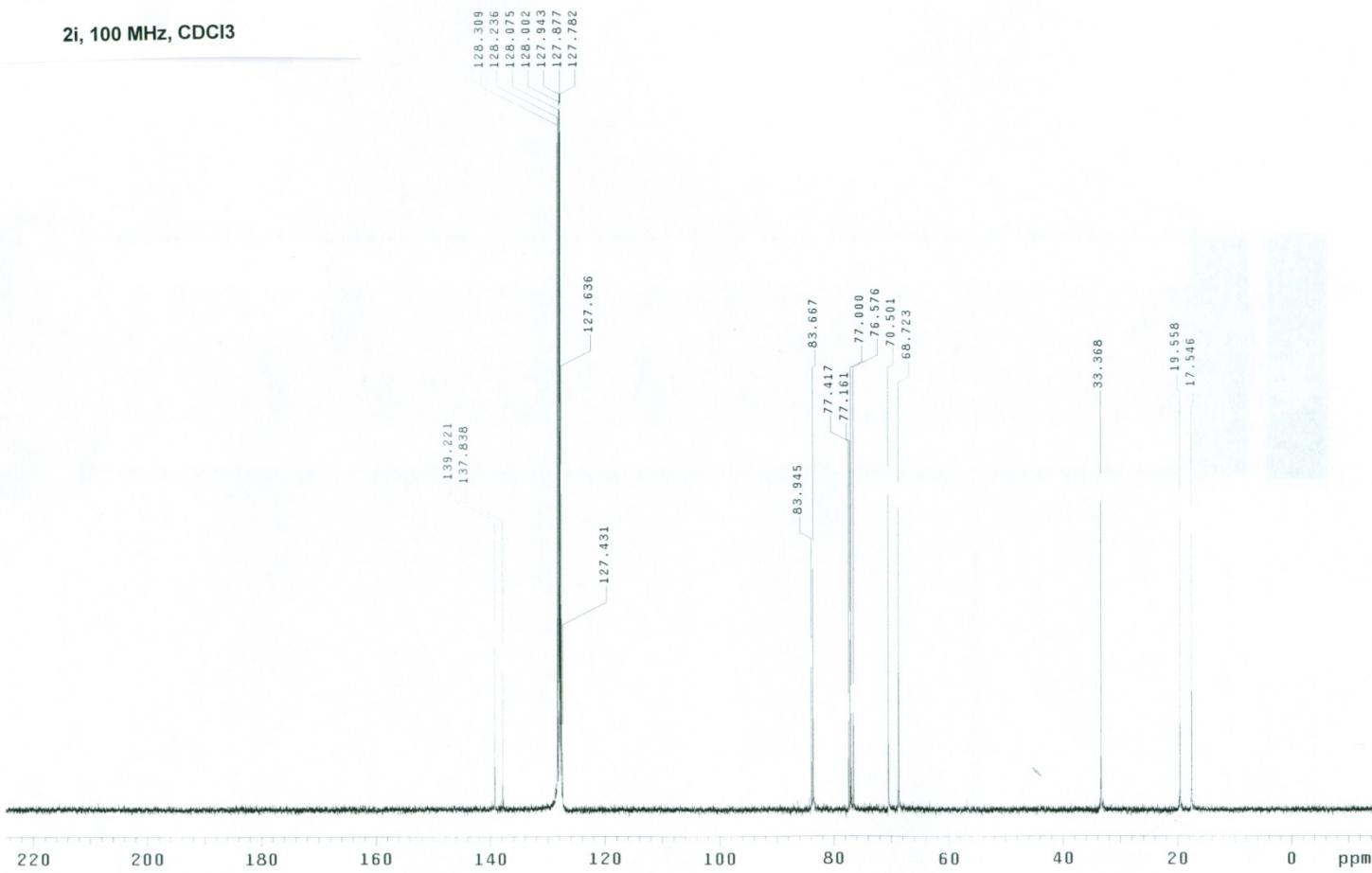


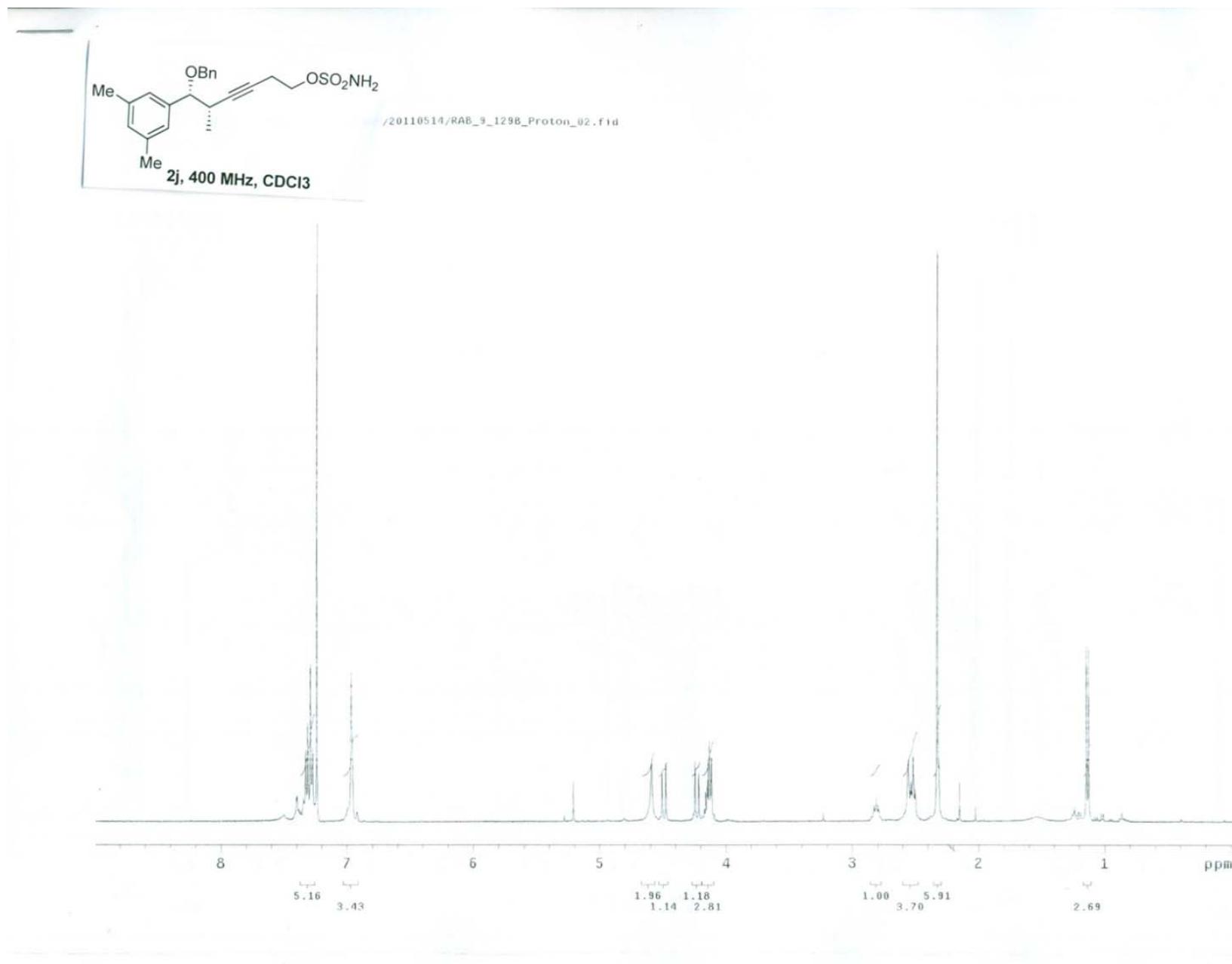


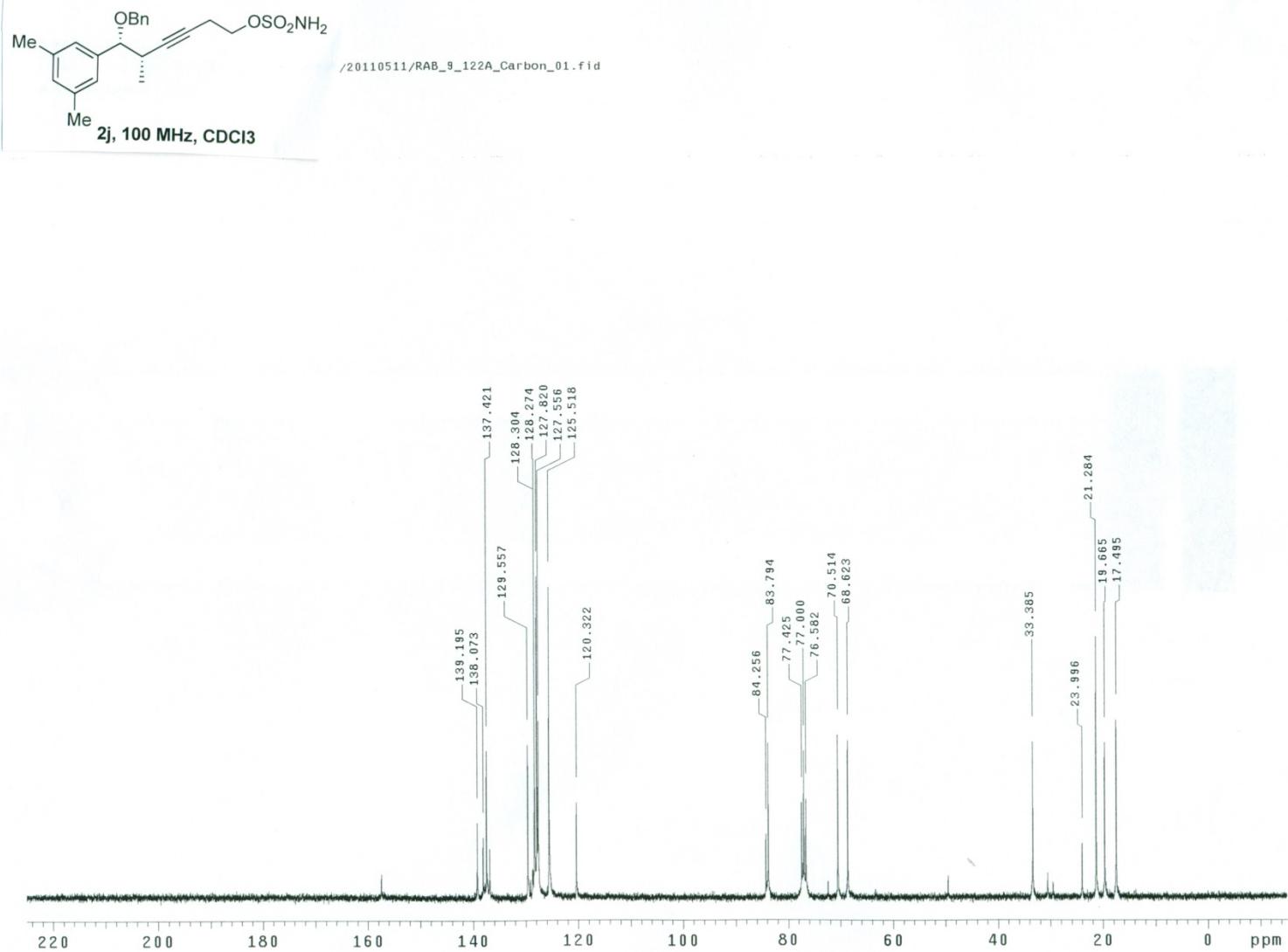


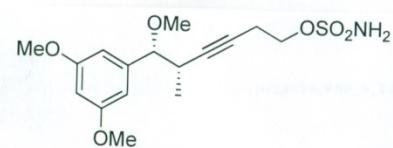
0101030/RAB_8_190A_Carbon_01.fid

2i, 100 MHz, CDCl₃



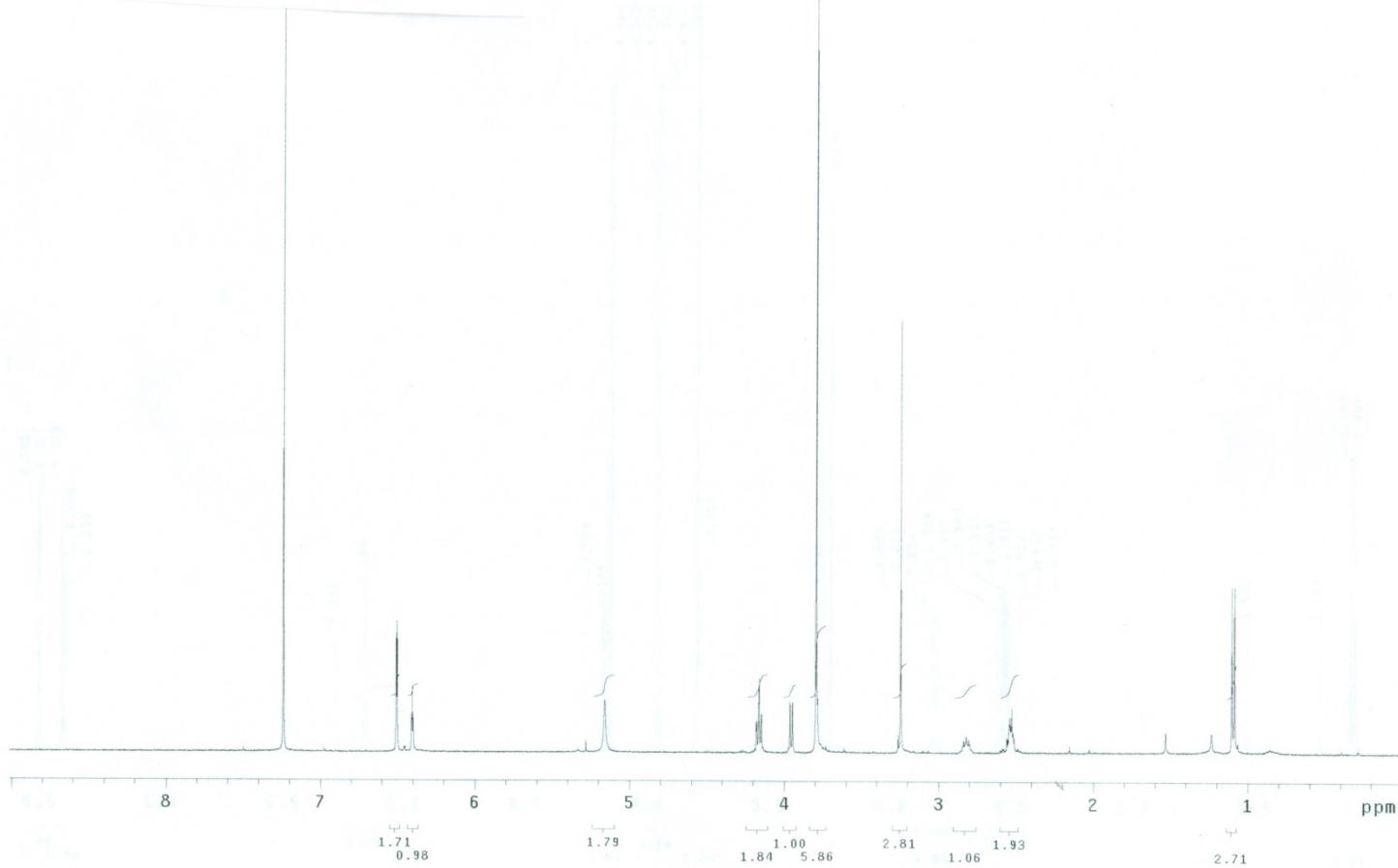


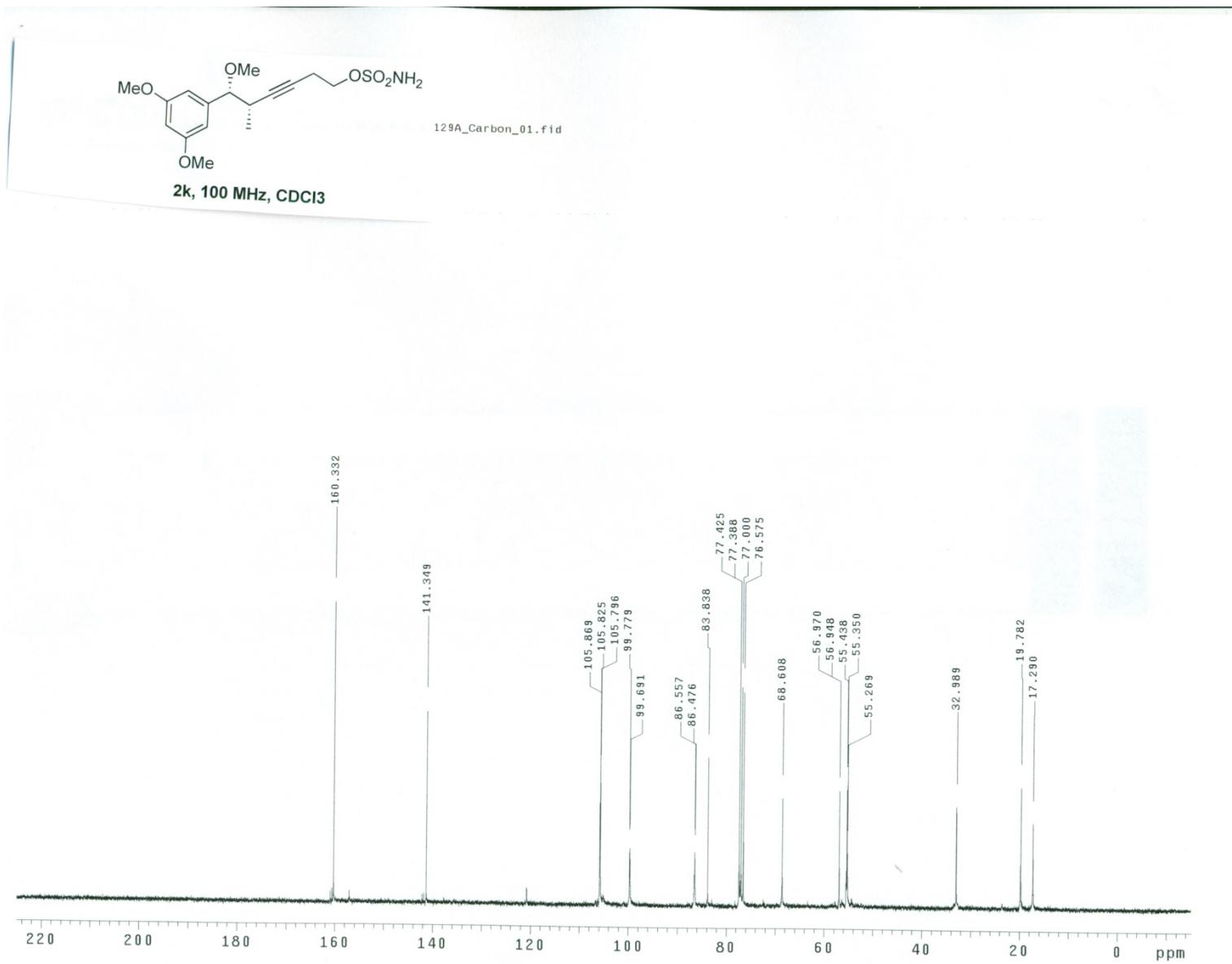


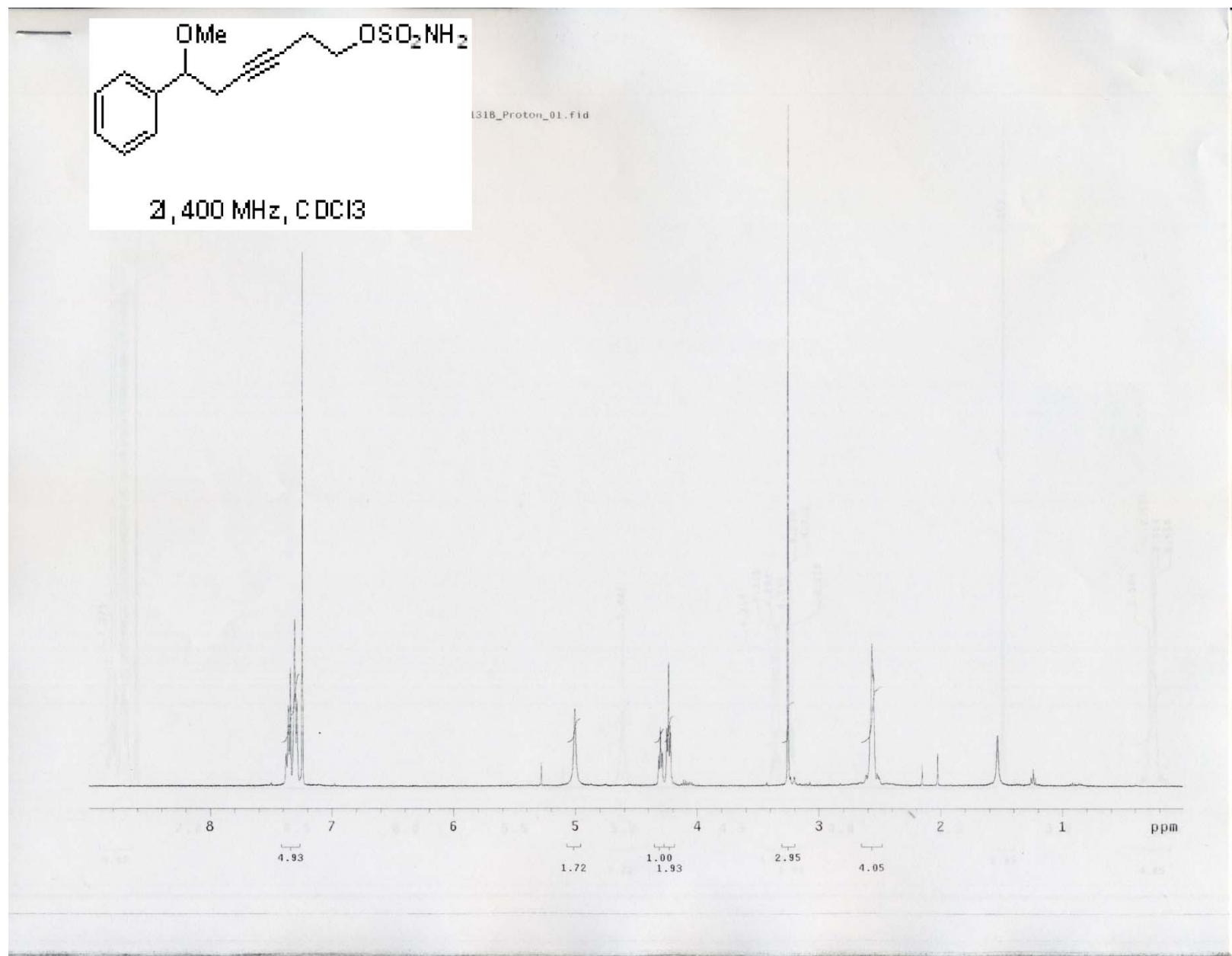


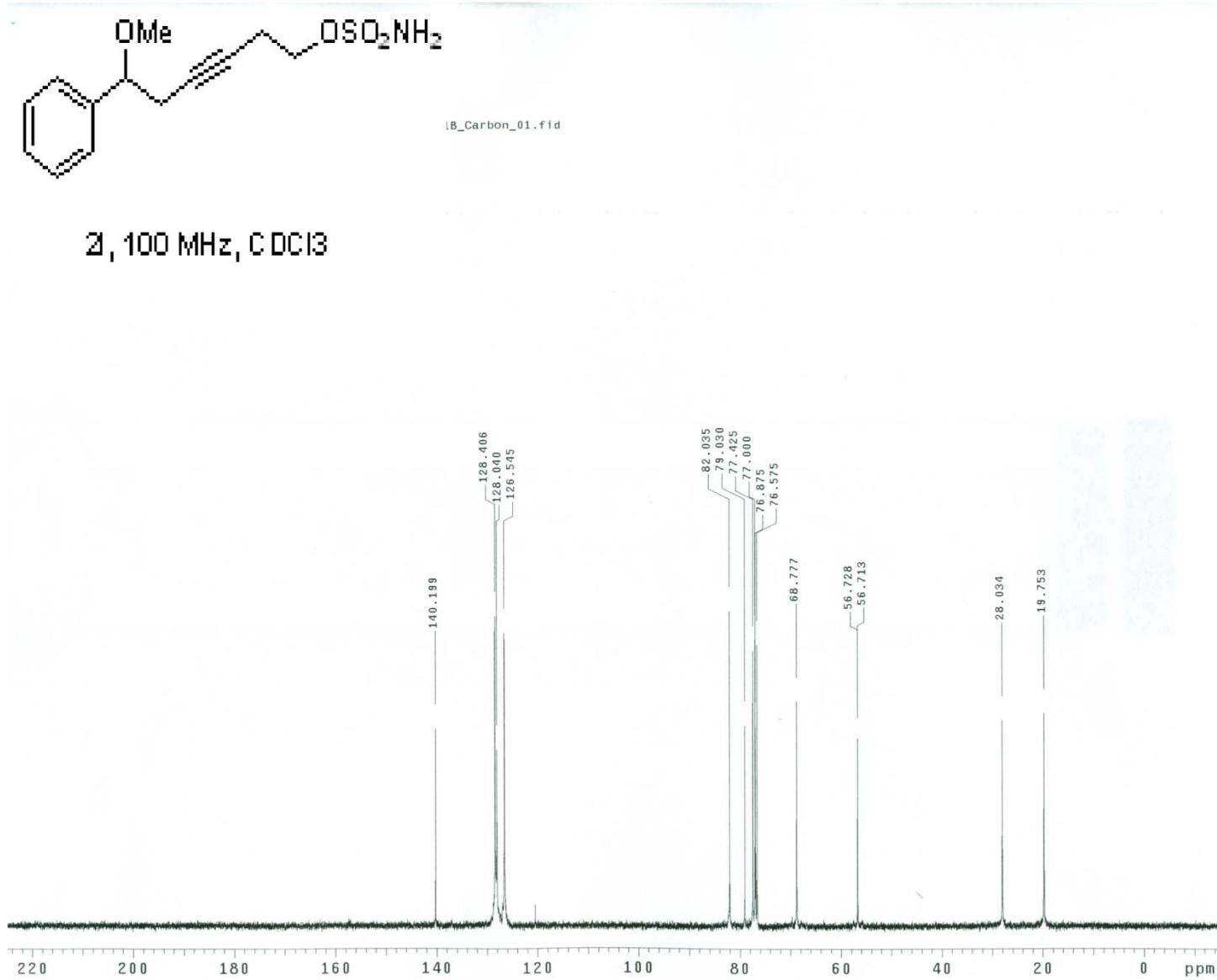
Proton_01.fid

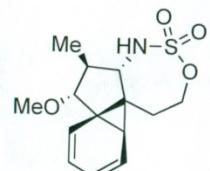
2k, 400 MHz, CDCl₃





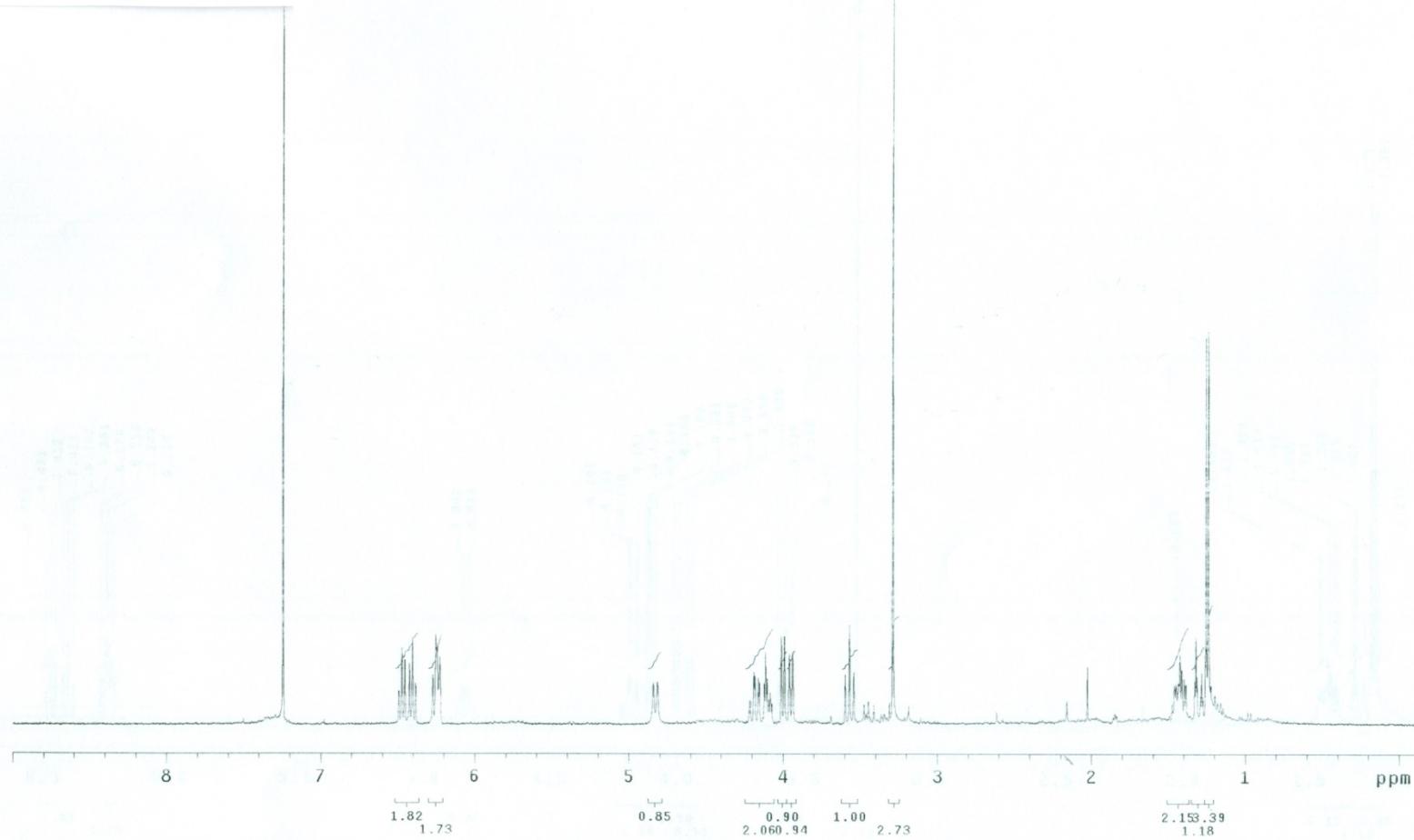


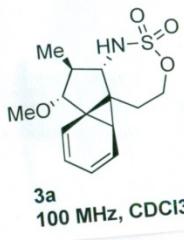




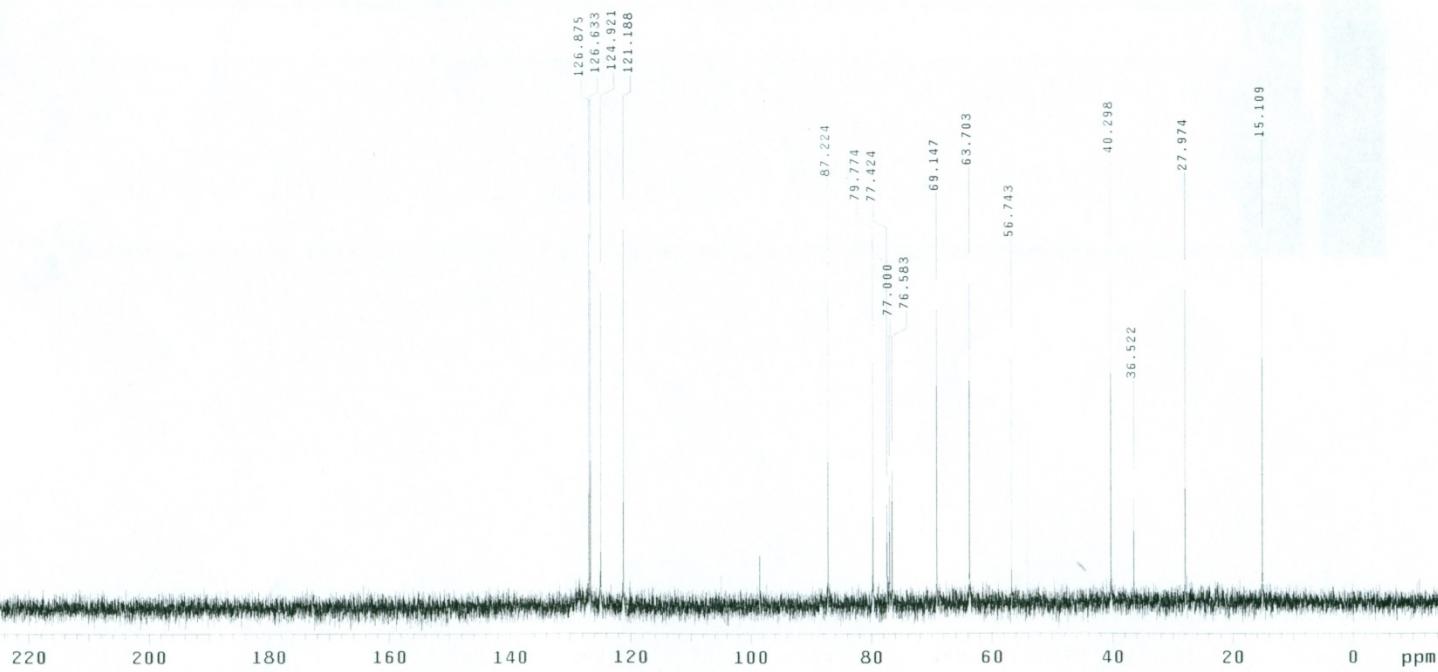
3a
400 MHz, CDCl₃

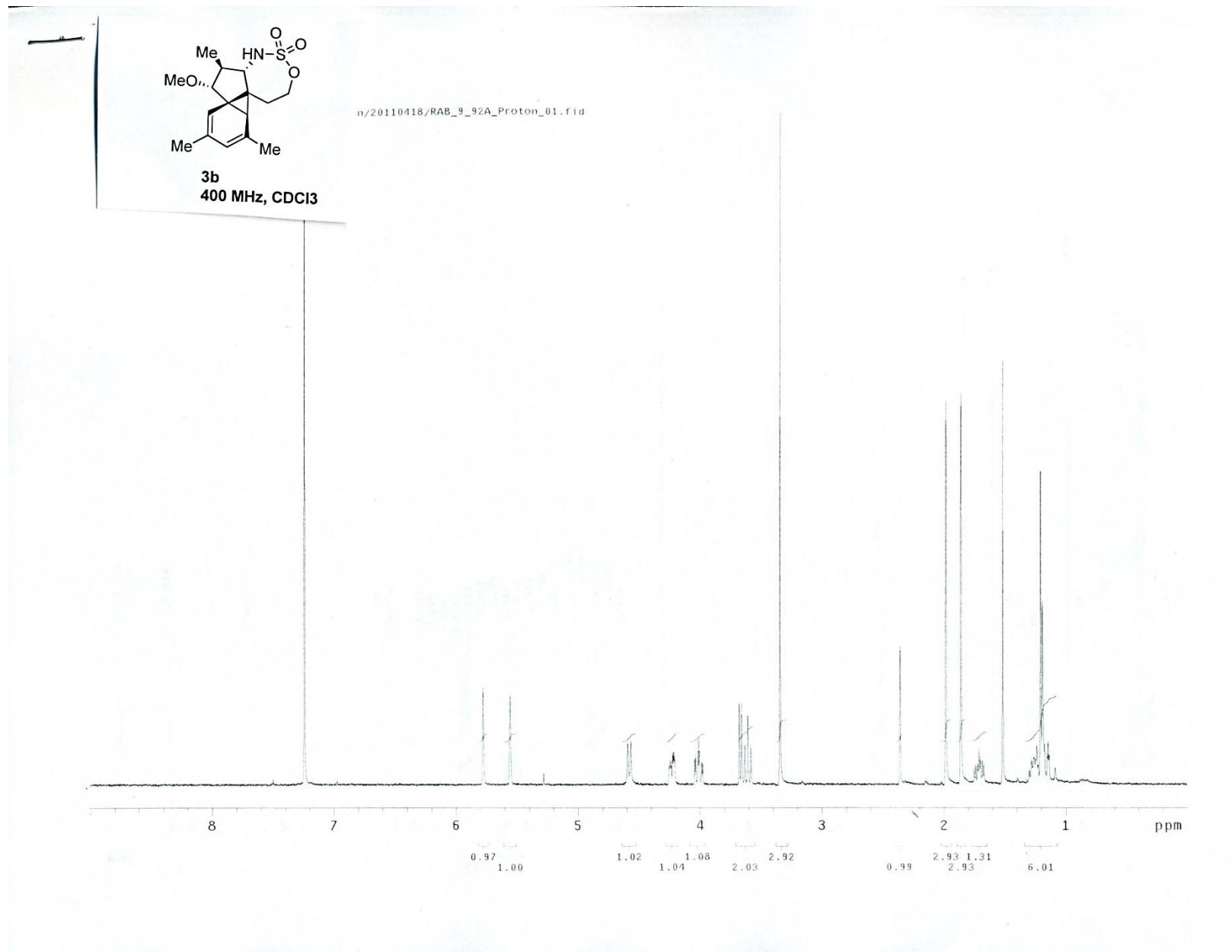
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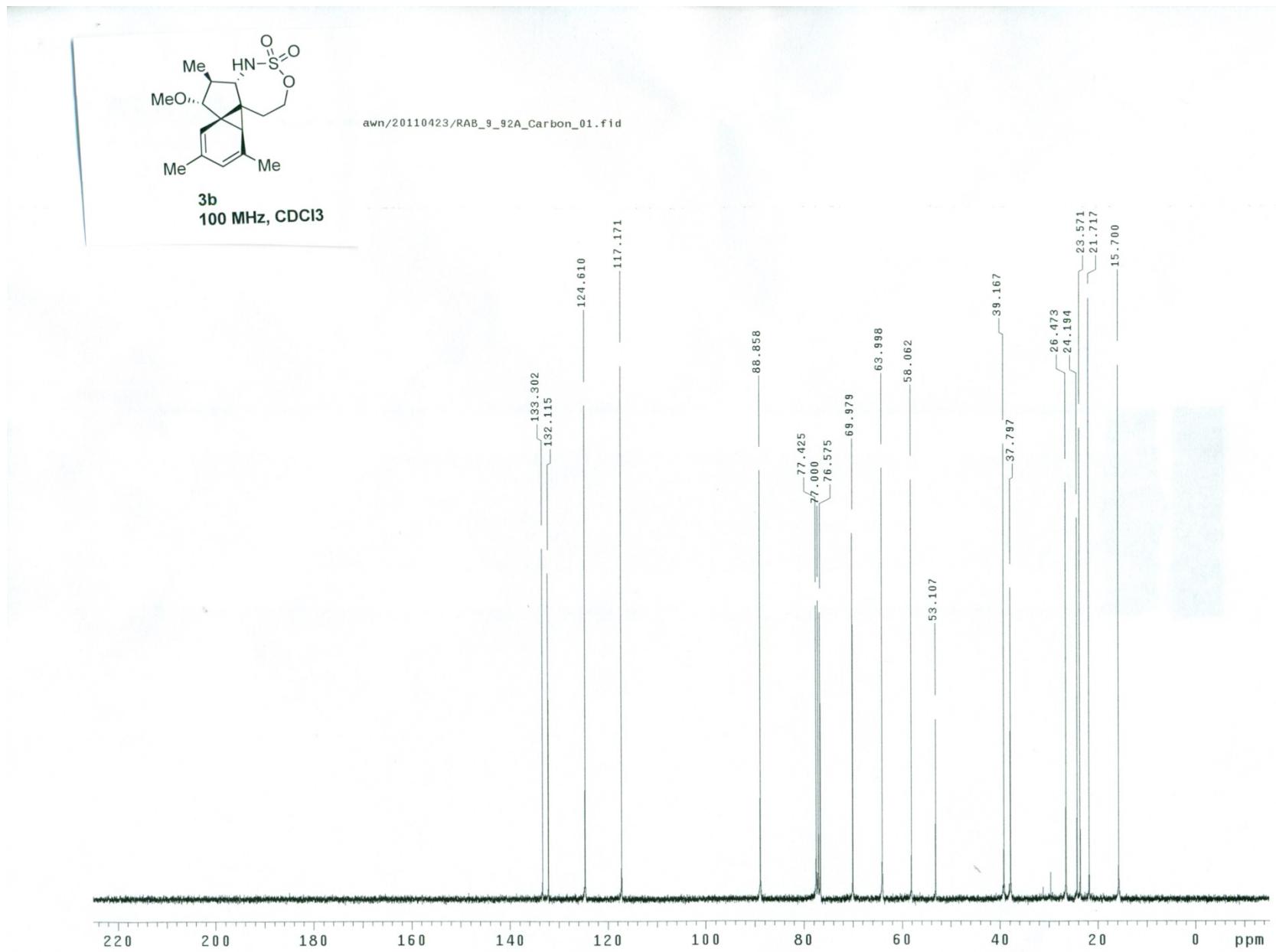


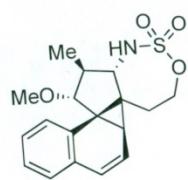


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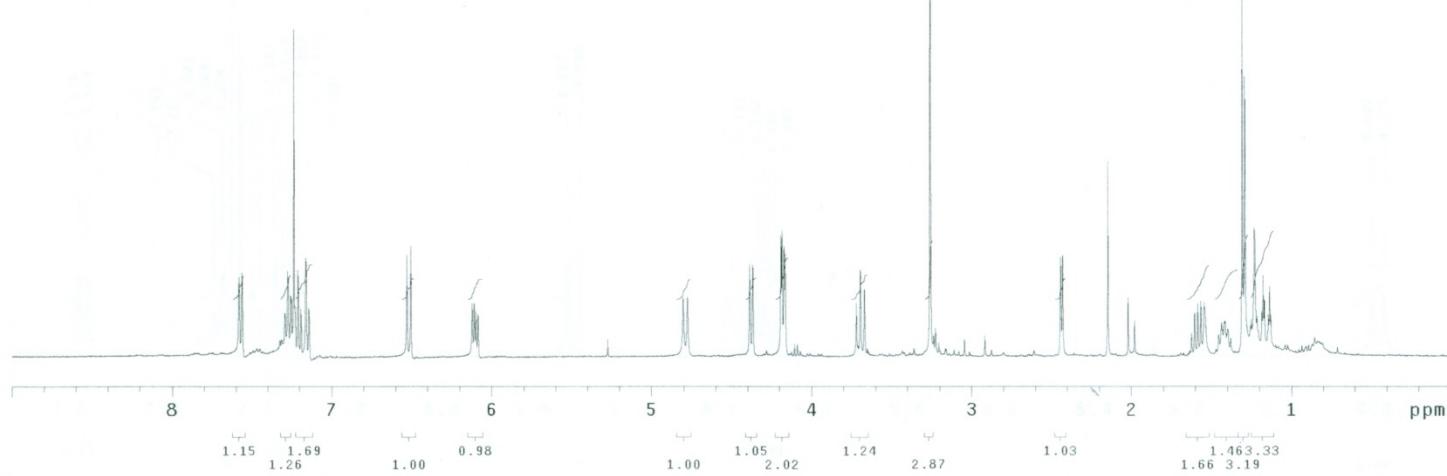


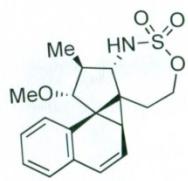




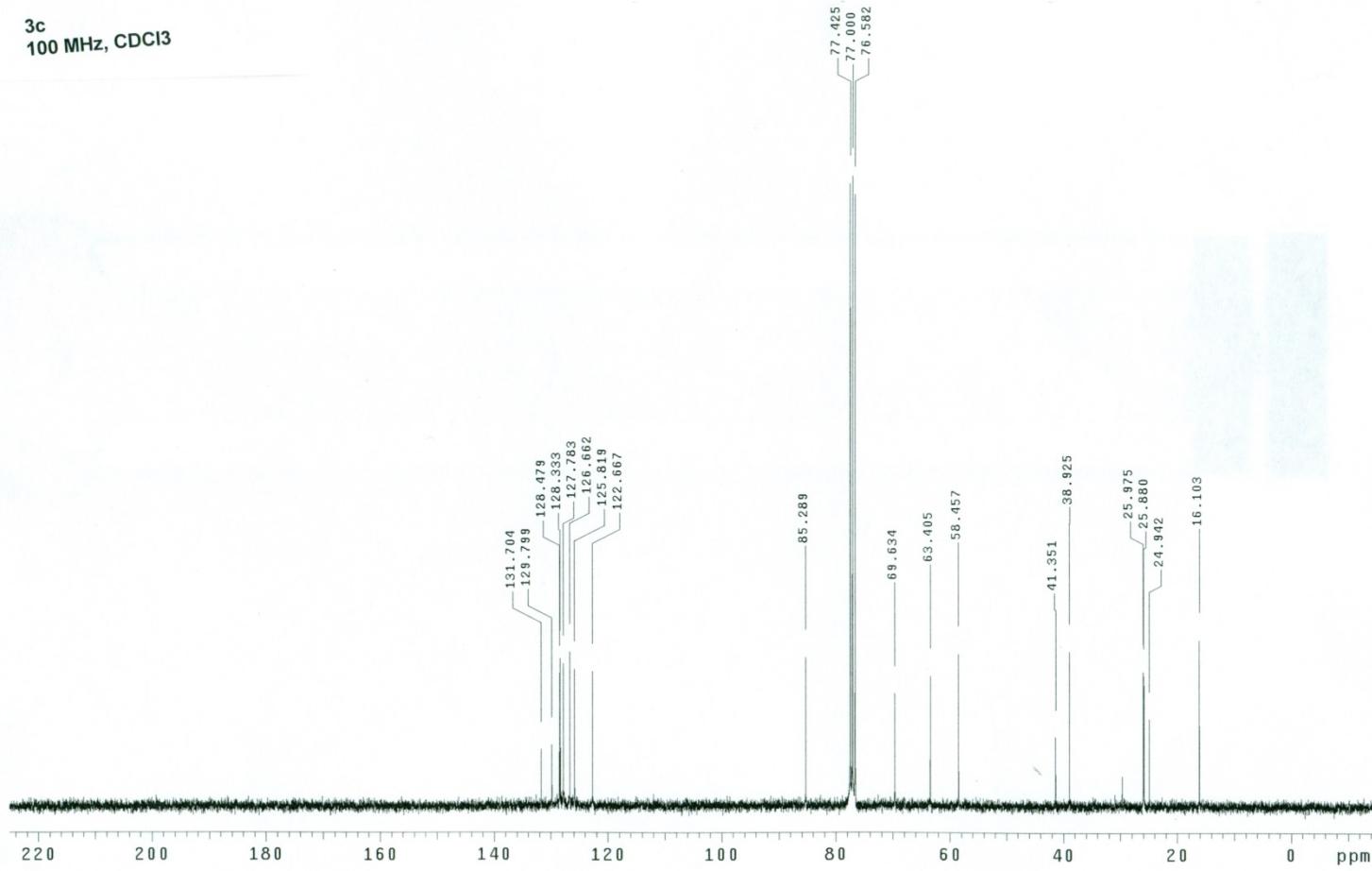
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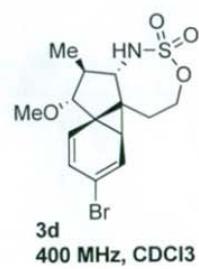
3c
400 MHz, CDCl₃





3c
100 MHz, CDCl₃

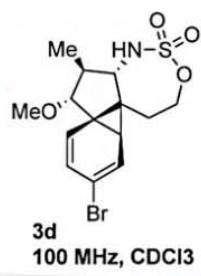




rawn/20110110/RAB_8_262A_Proton_01.fid

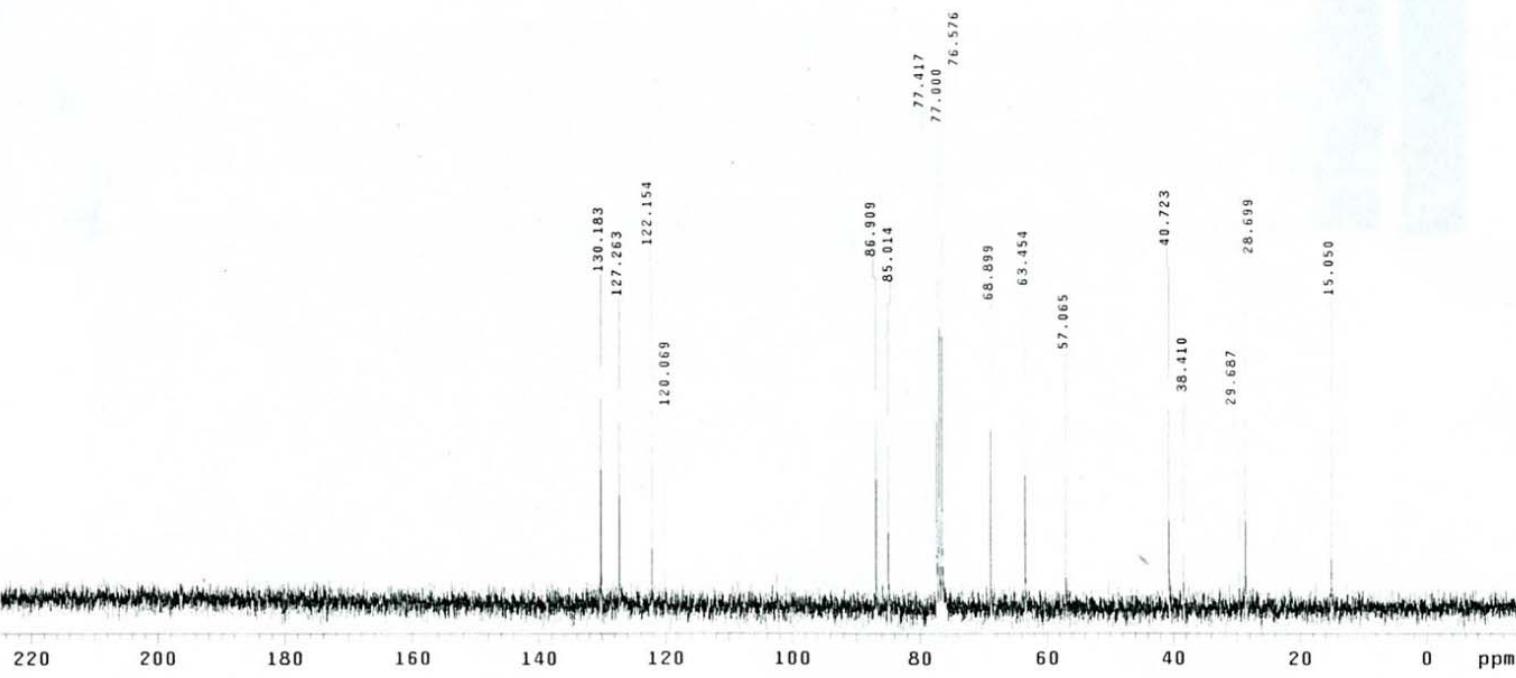
3d
400 MHz, CDCl₃

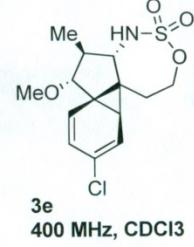




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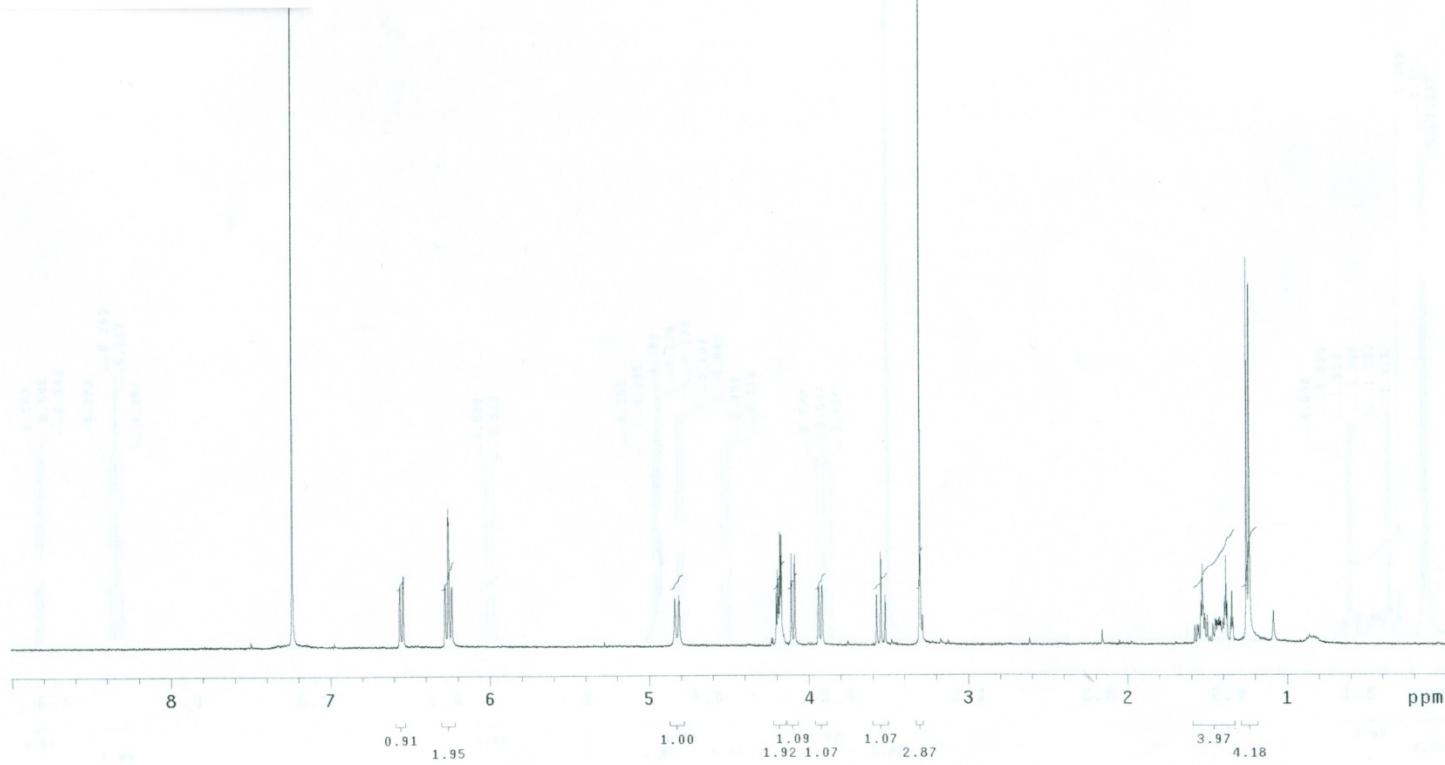
3d
100 MHz, CDCl₃

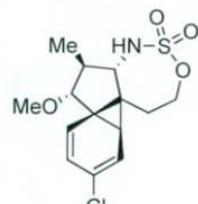




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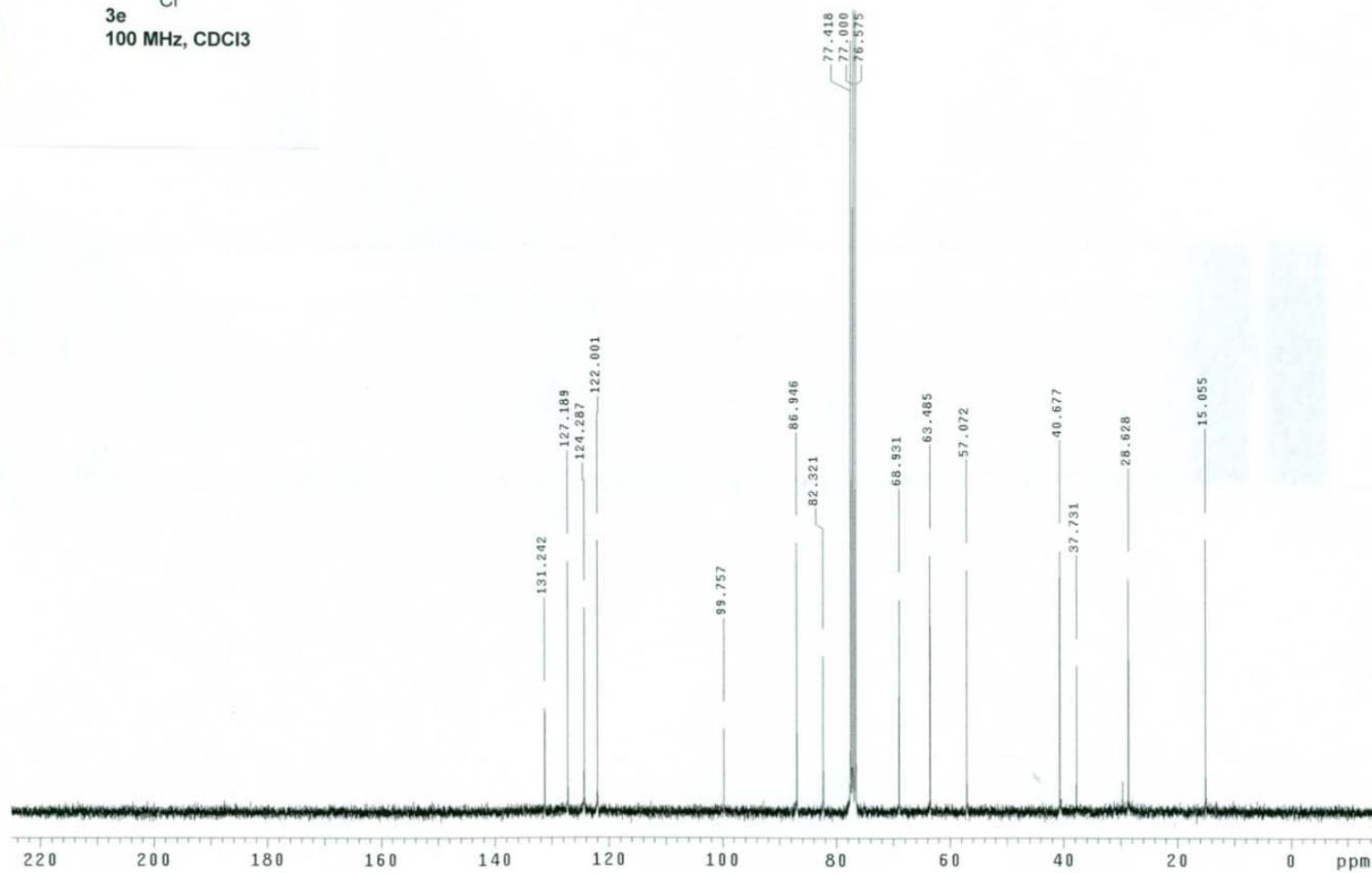
3e
400 MHz, CDCl₃

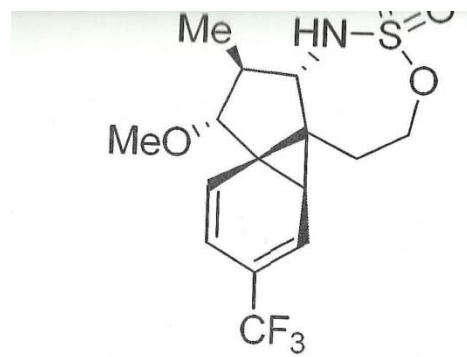




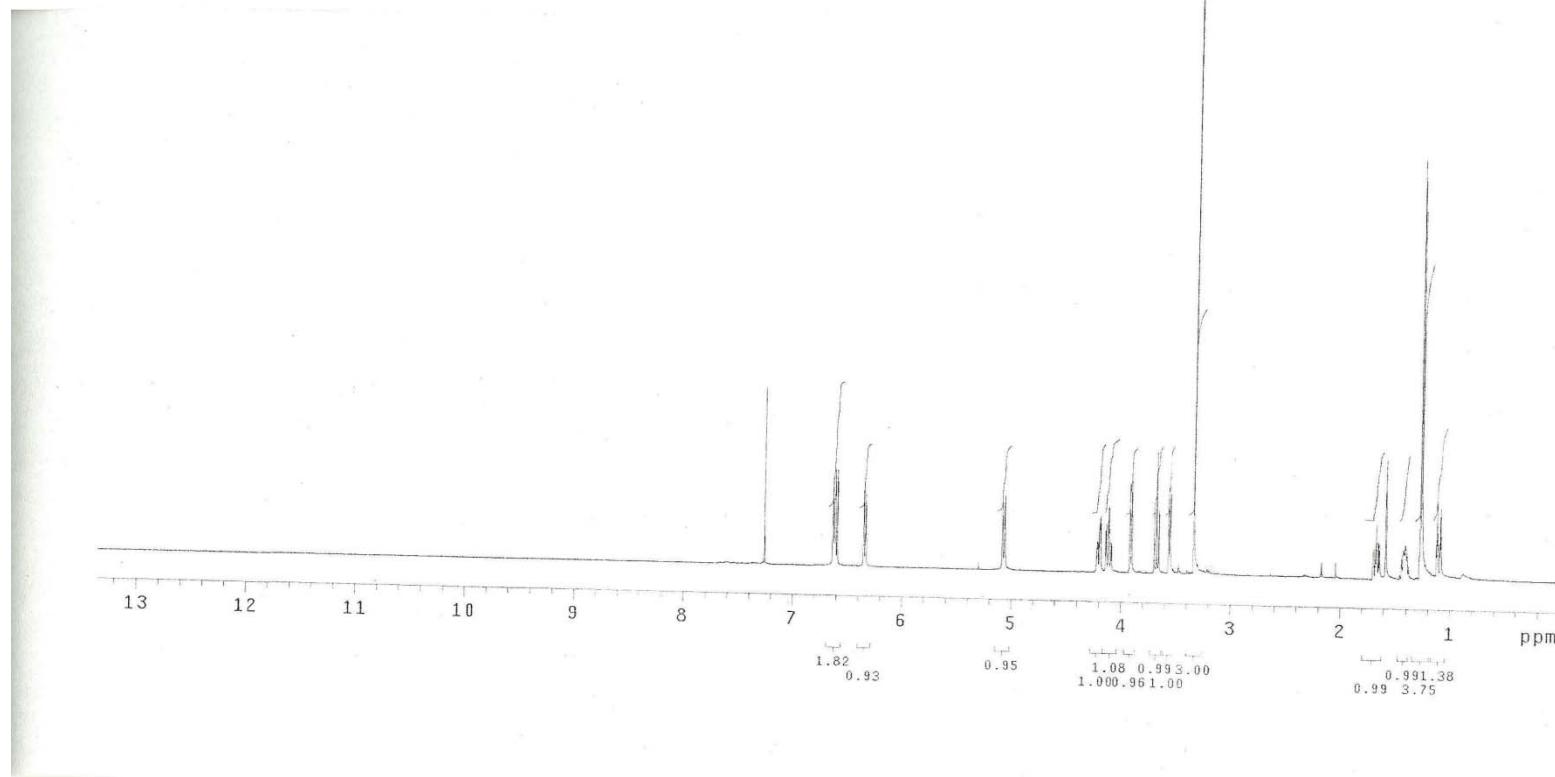
3e
100 MHz, CDCl₃

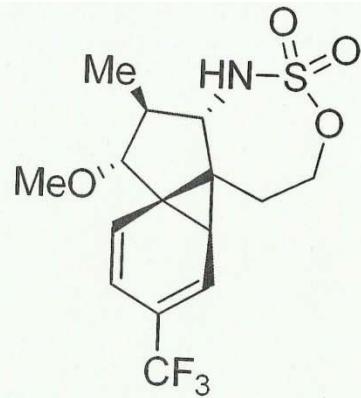
lwn/20110215/RAB_9_8C_Carbon_01.fid



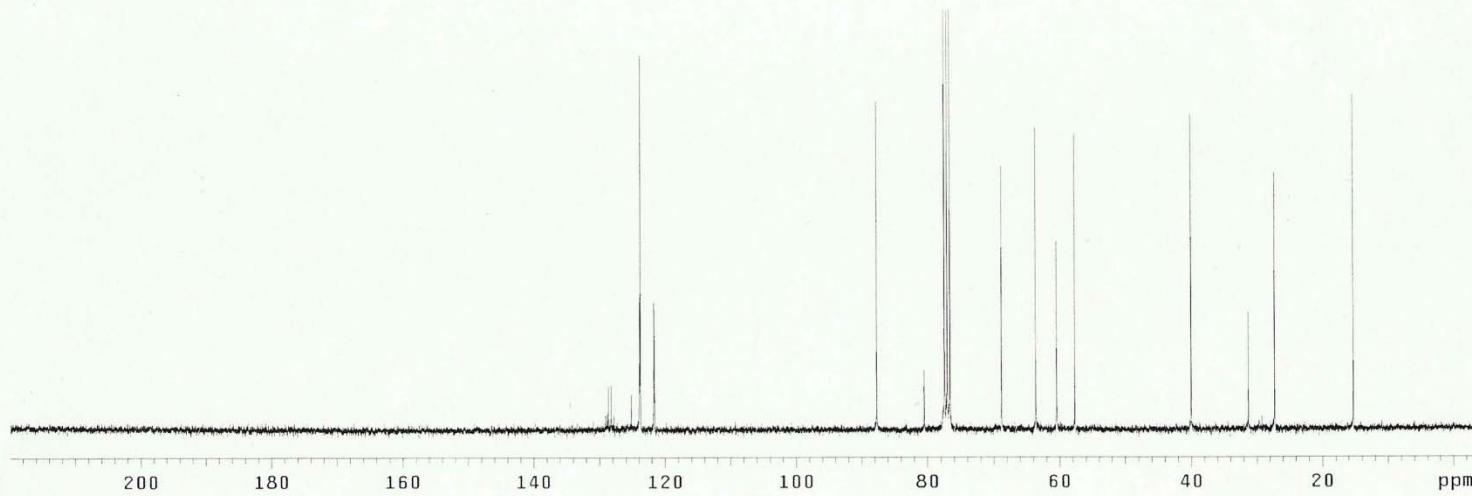


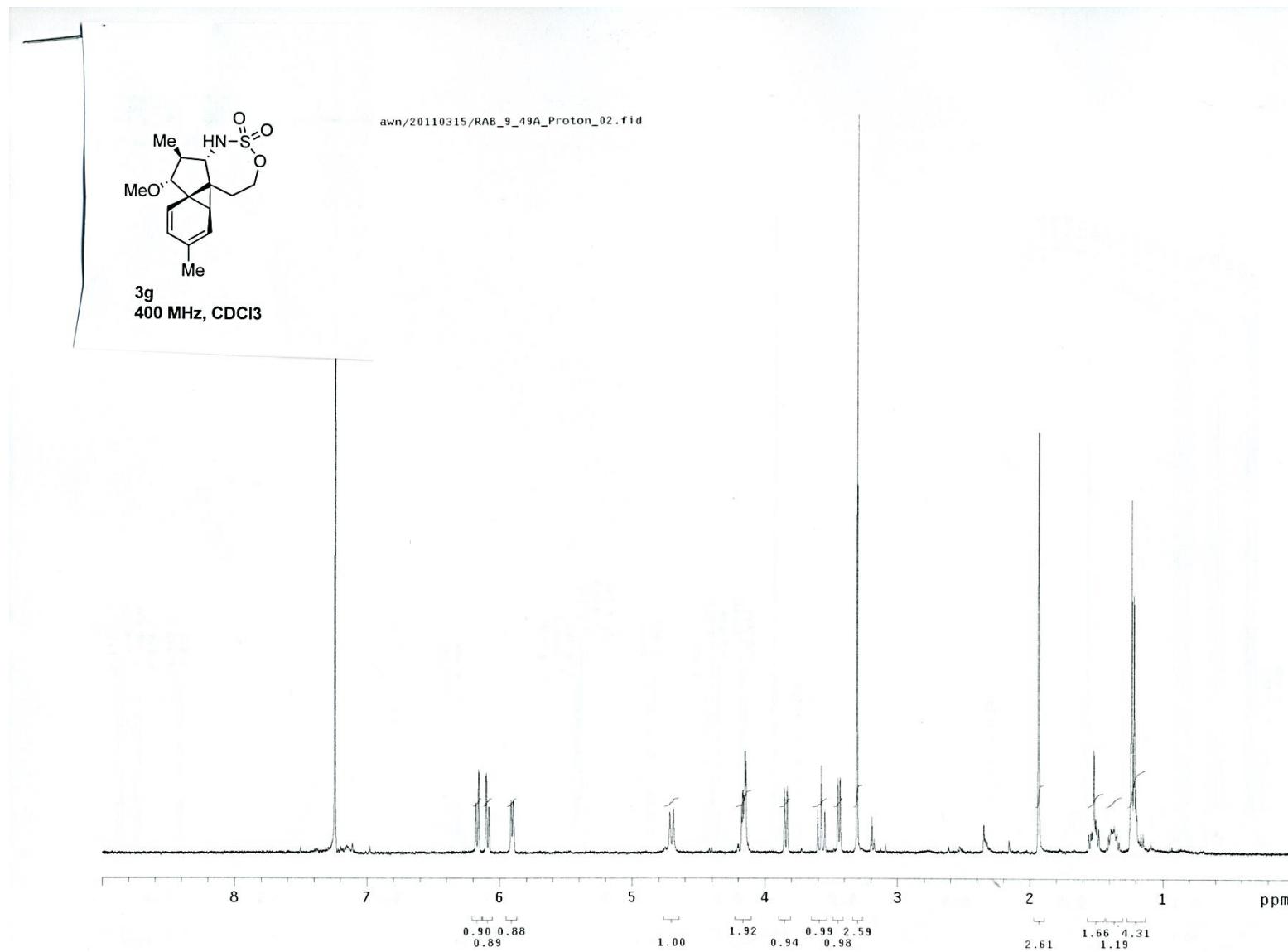
3f, 400 MHz, CDCl₃

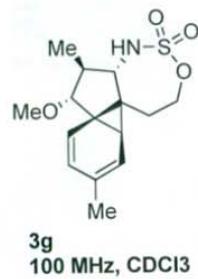




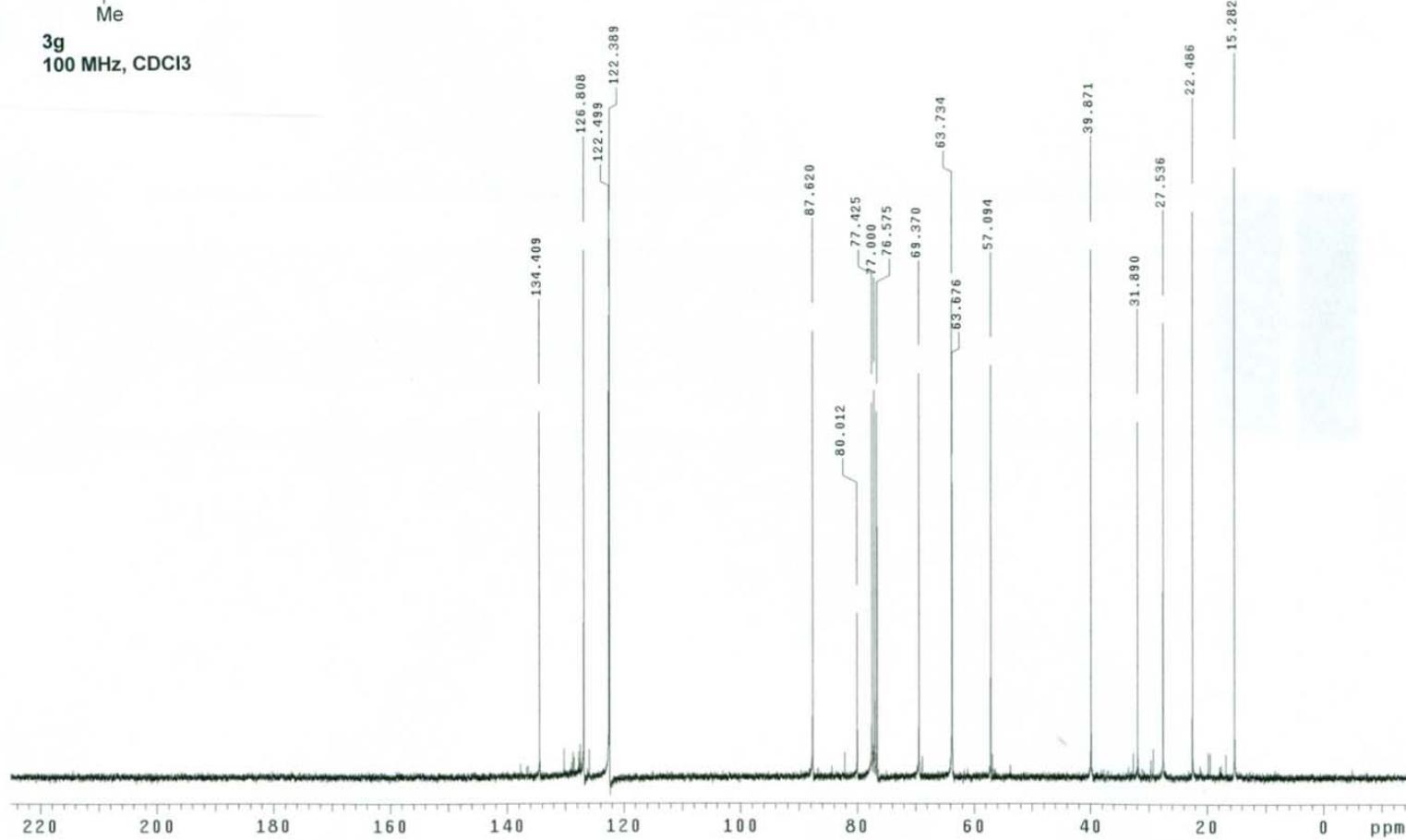
3f, 100 MHz, CDCl₃

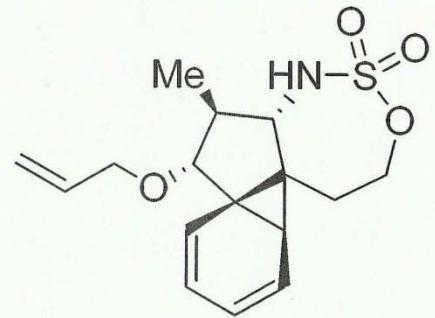




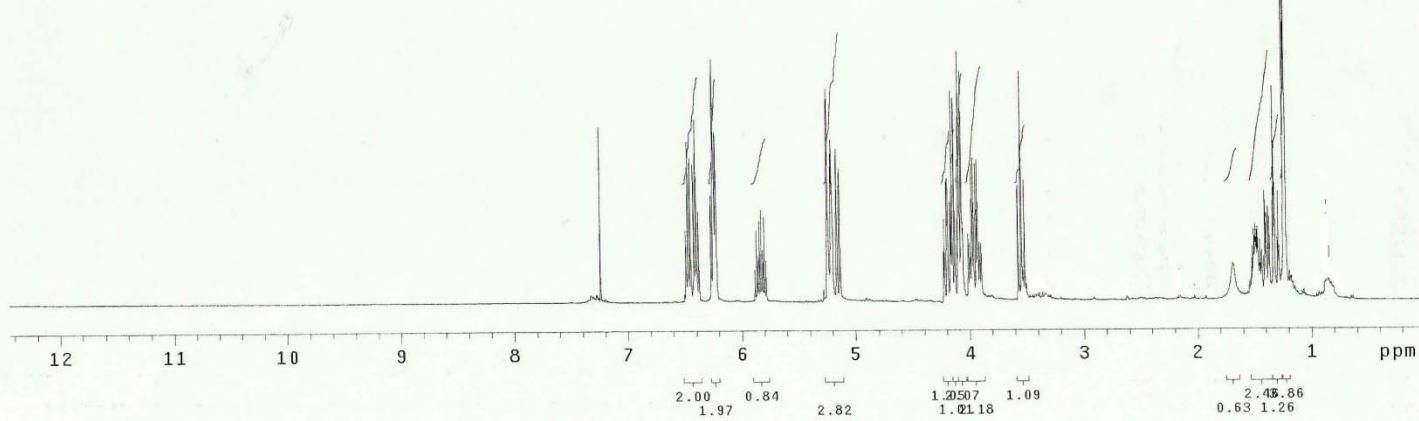


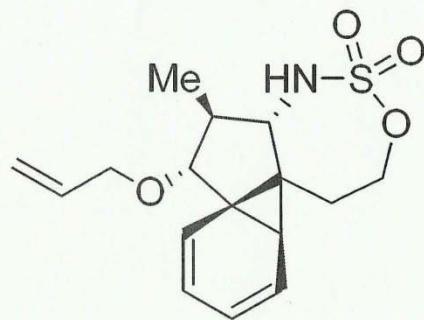
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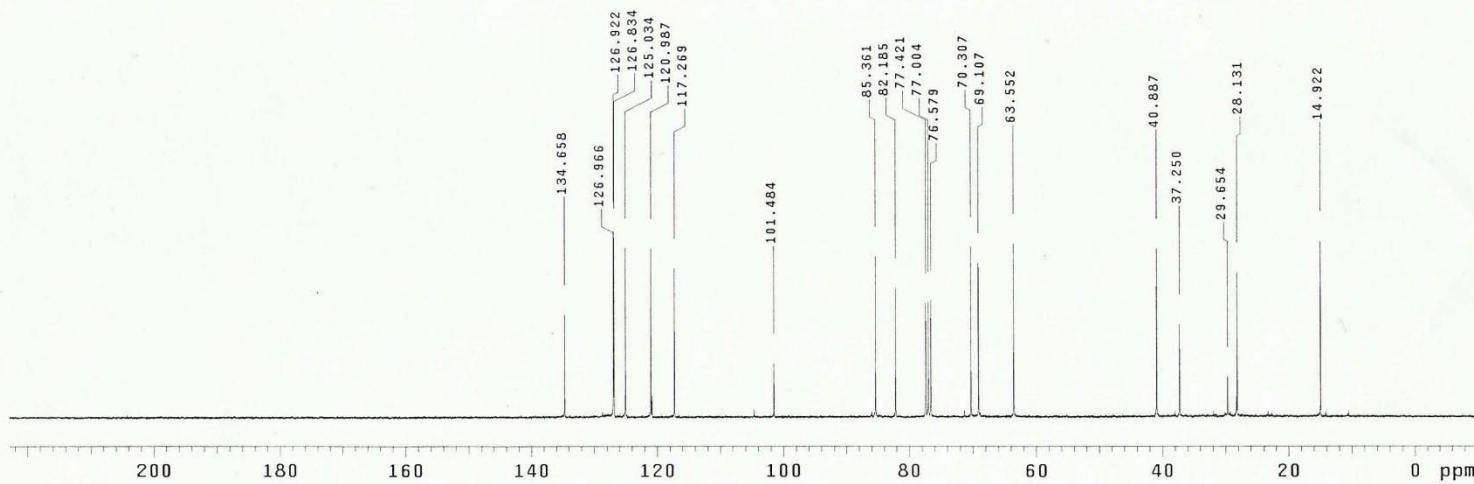


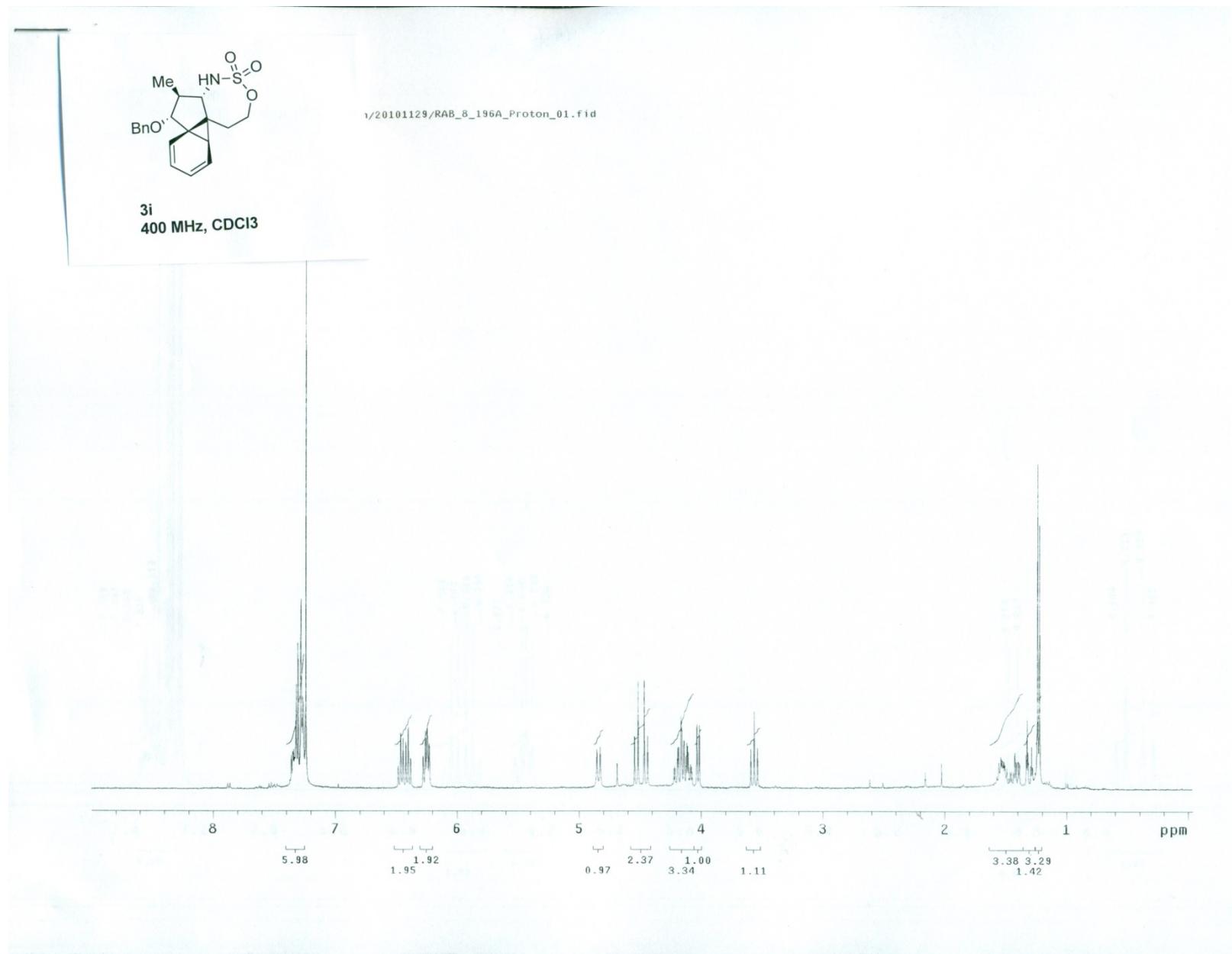
3h, 400 MHz, CDCl₃

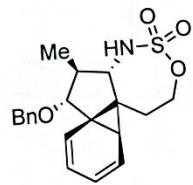




3h, 100 MHz, CDCl₃

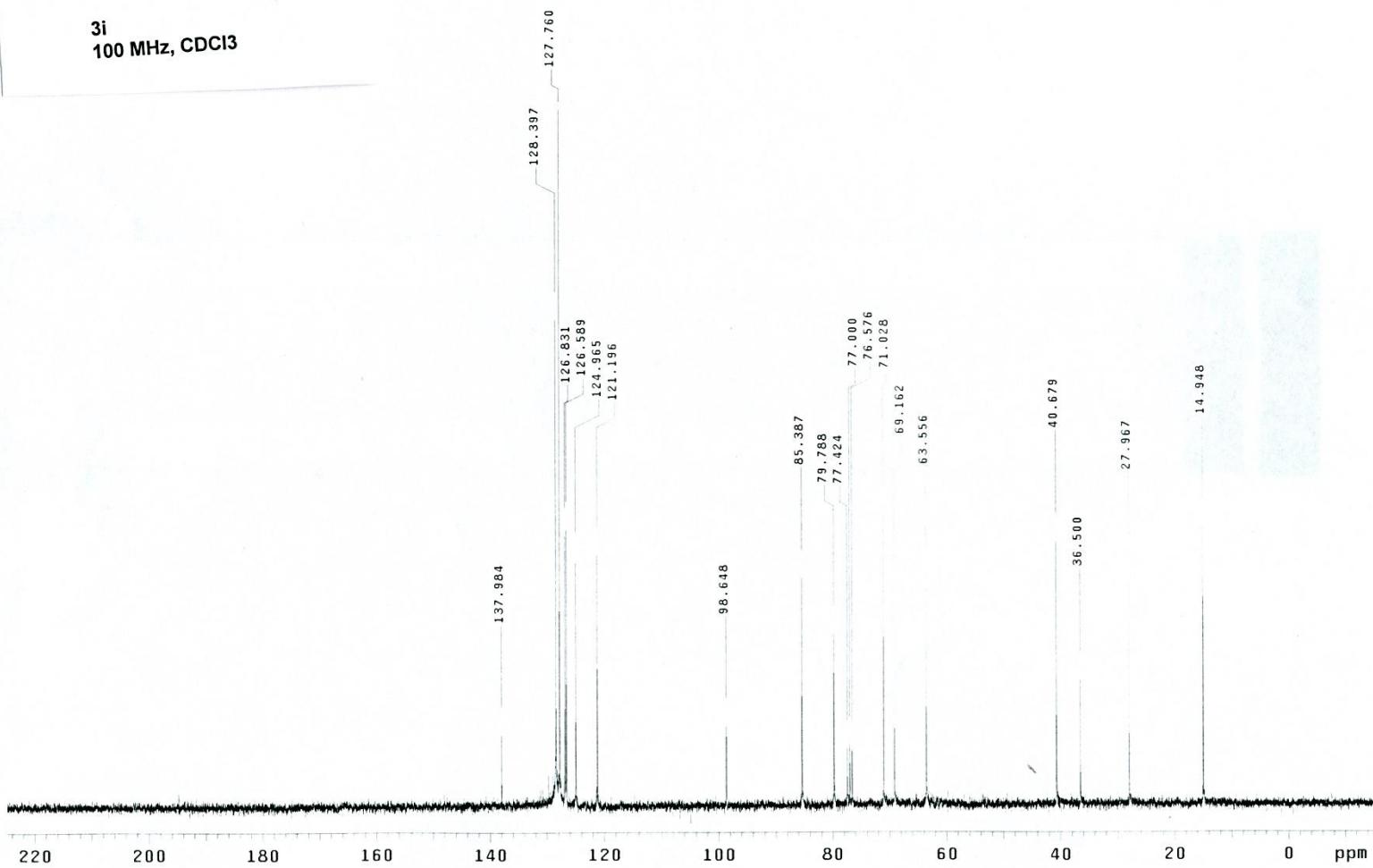


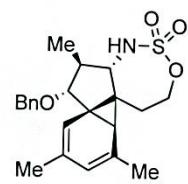




1101204/RAB_8_196A_Carbon_01.fid

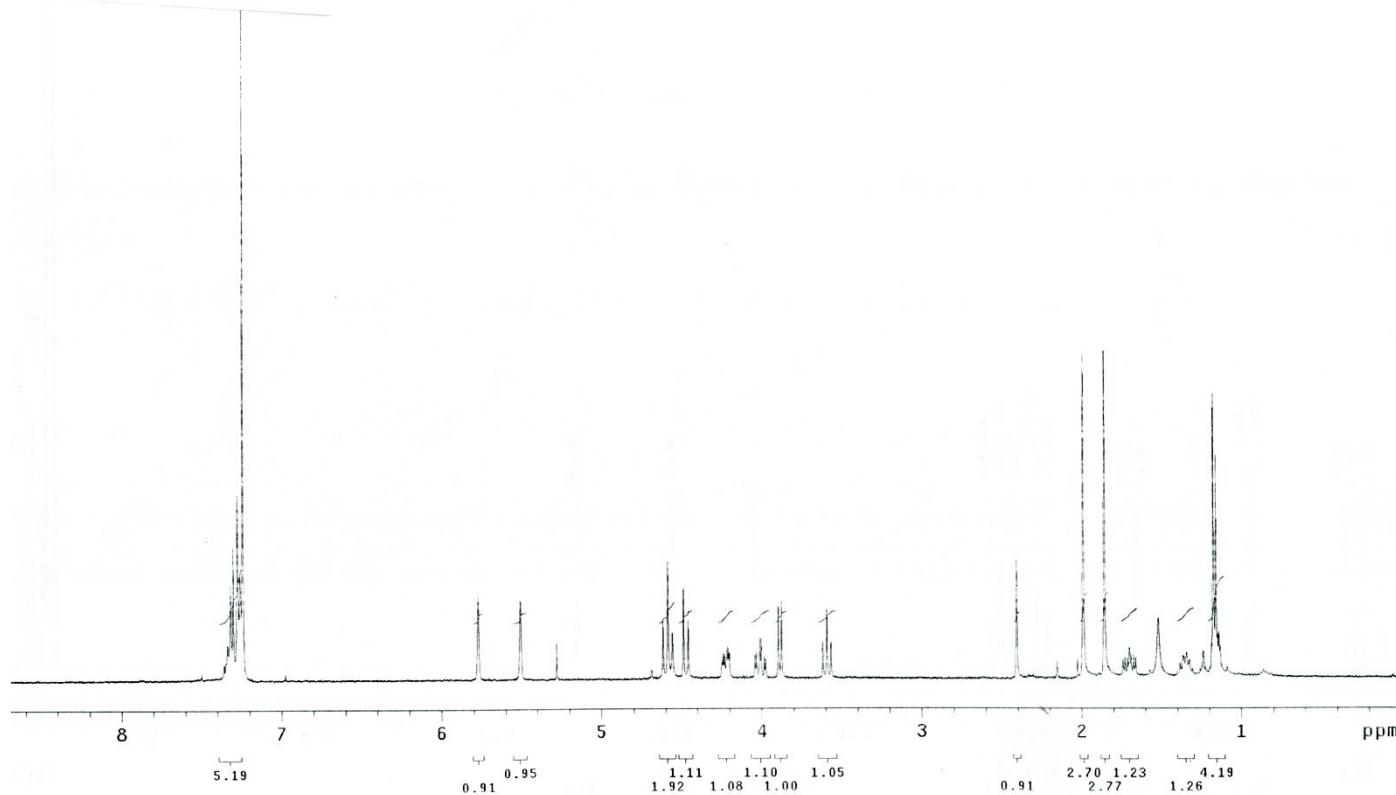
3i
100 MHz, CDCl₃

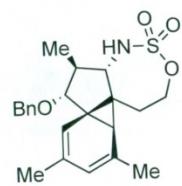




0110514/RAB_9_126B_Proton_02.fid

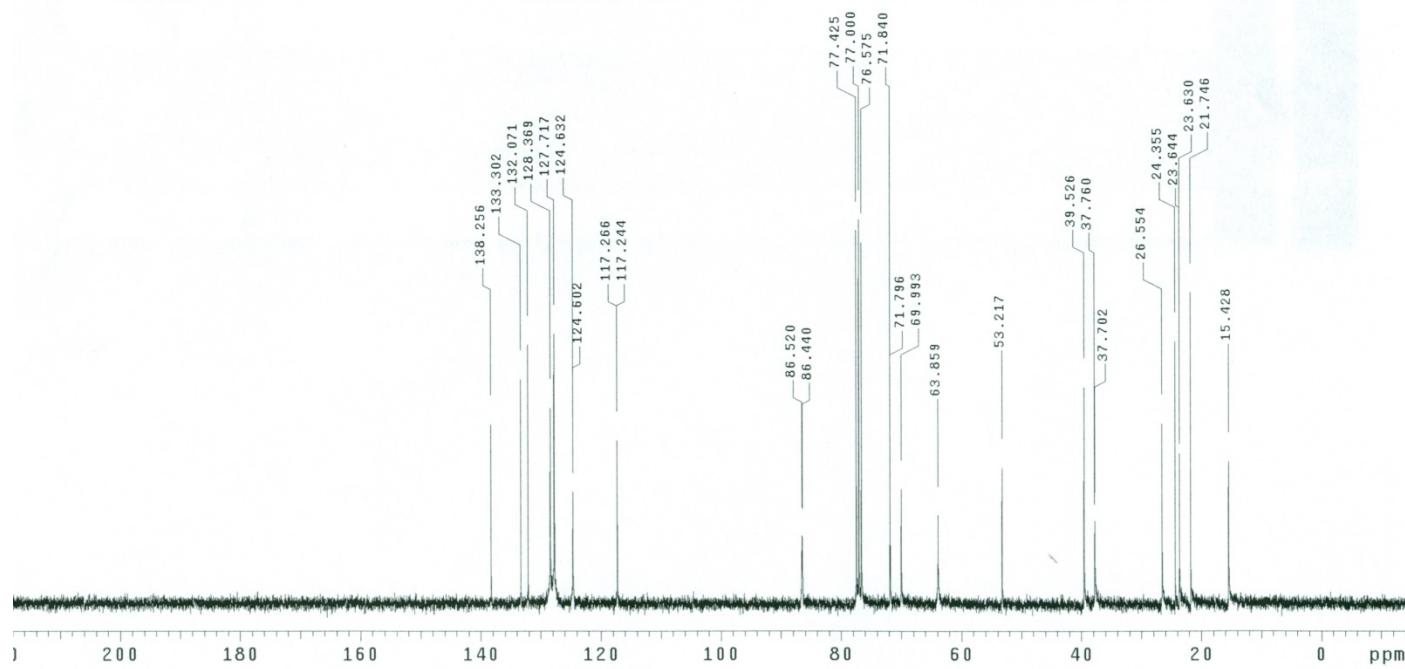
3j
400 MHz, CDCl₃

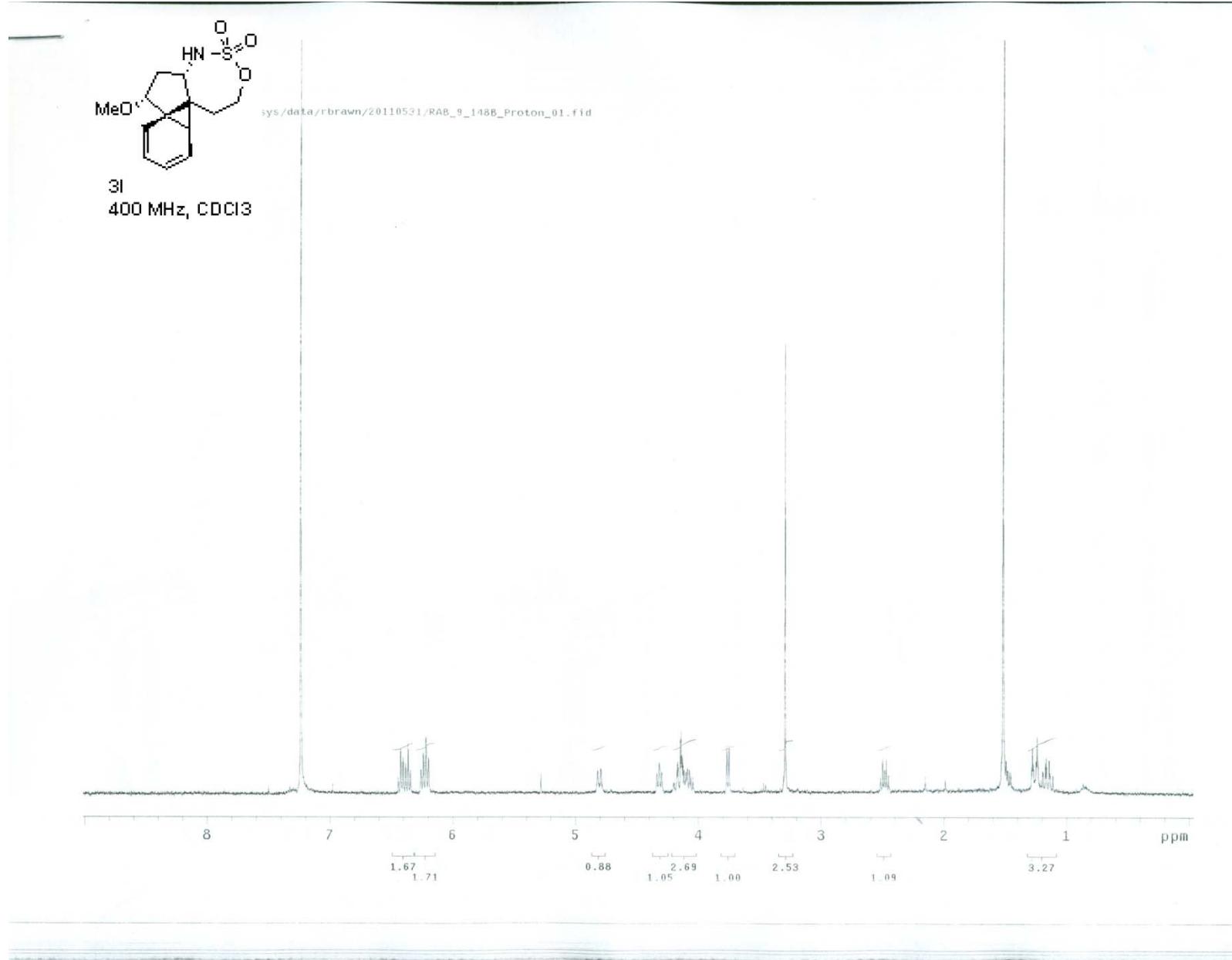


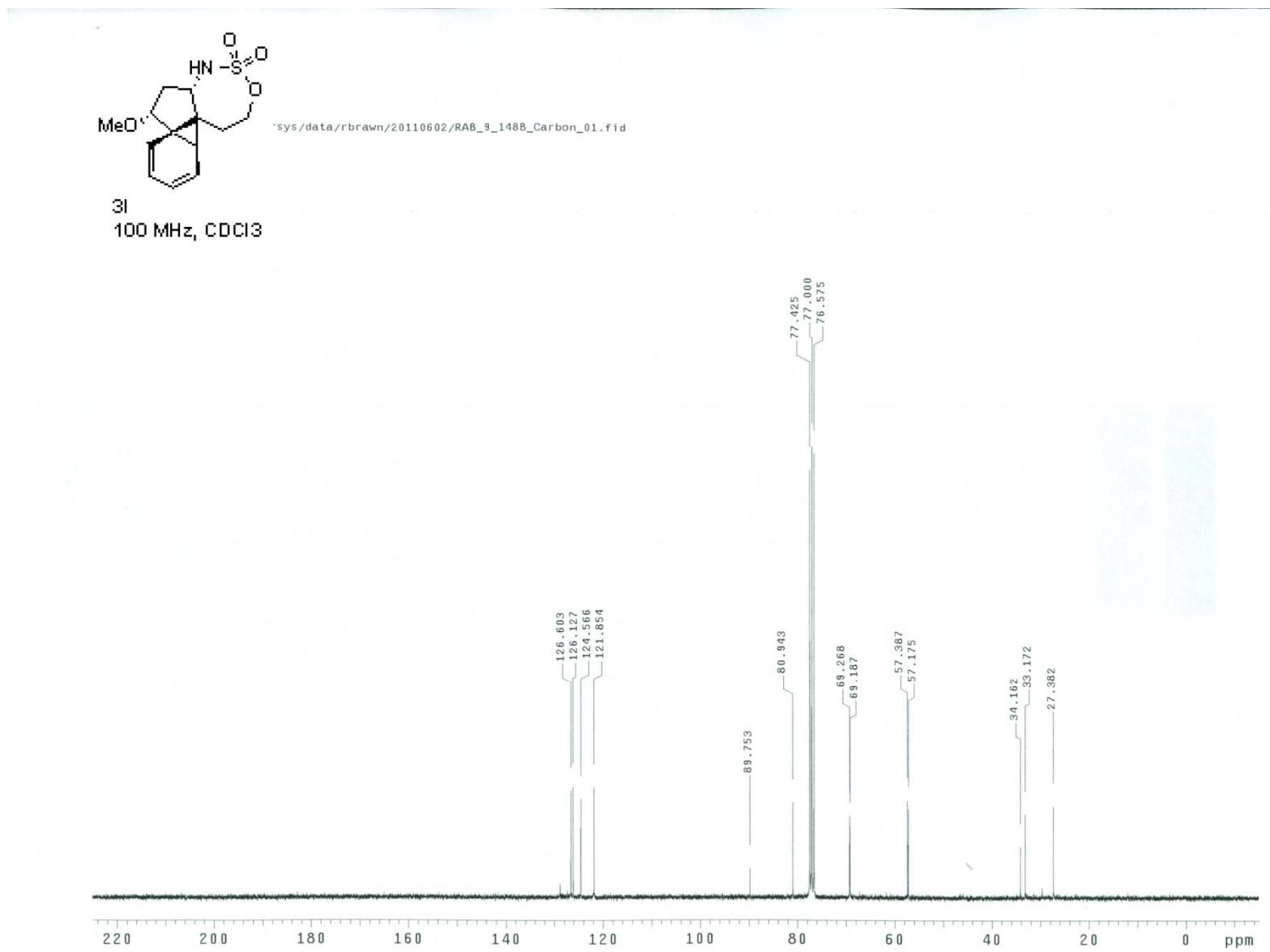


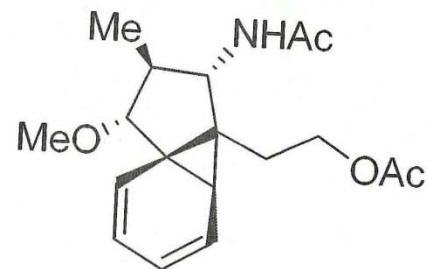
20110515/RAB_9_126B_Carbon_01.fid

3j
100 MHz, CDCl₃

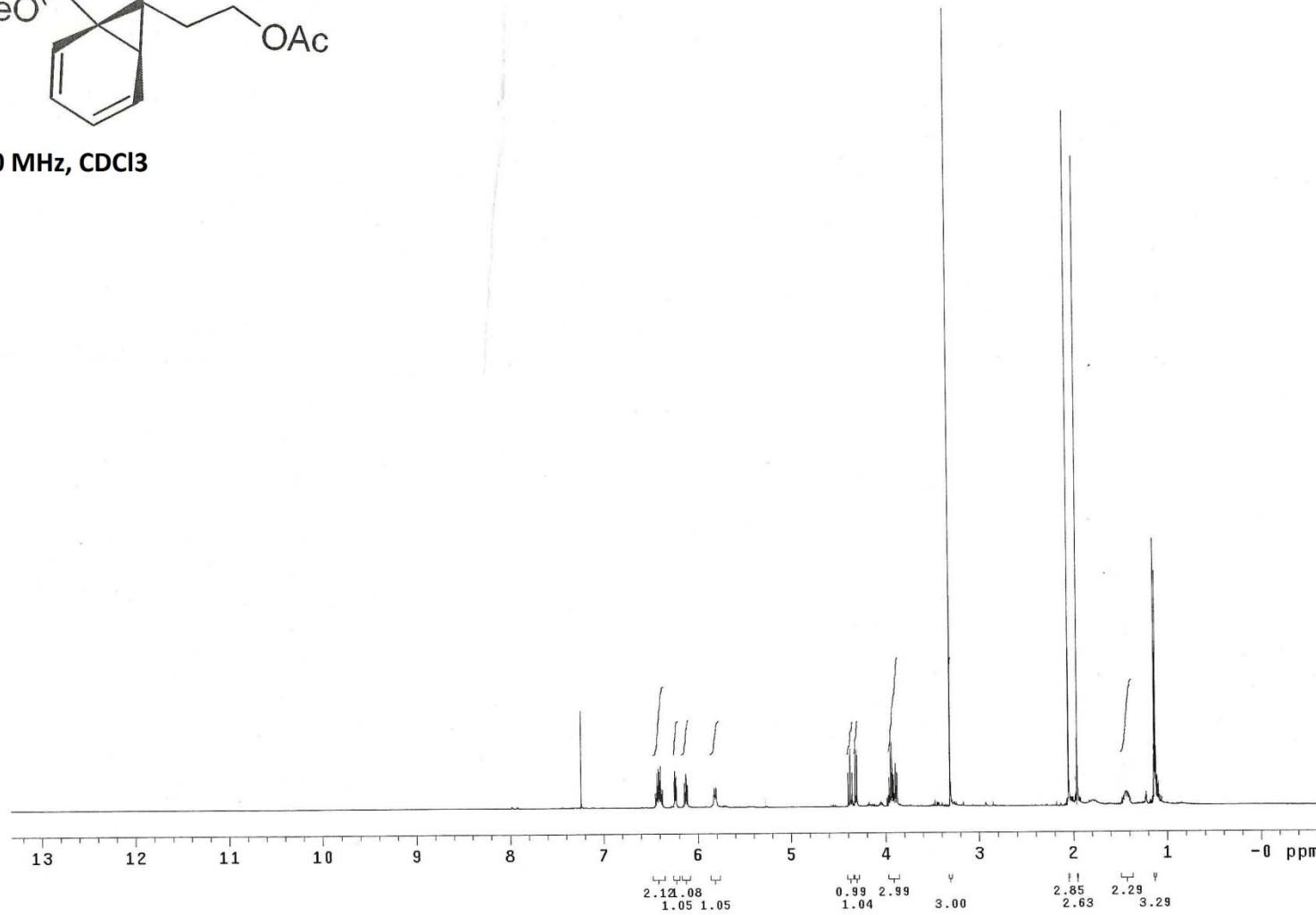


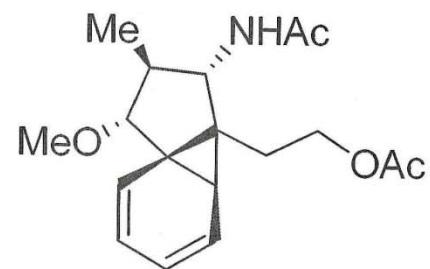




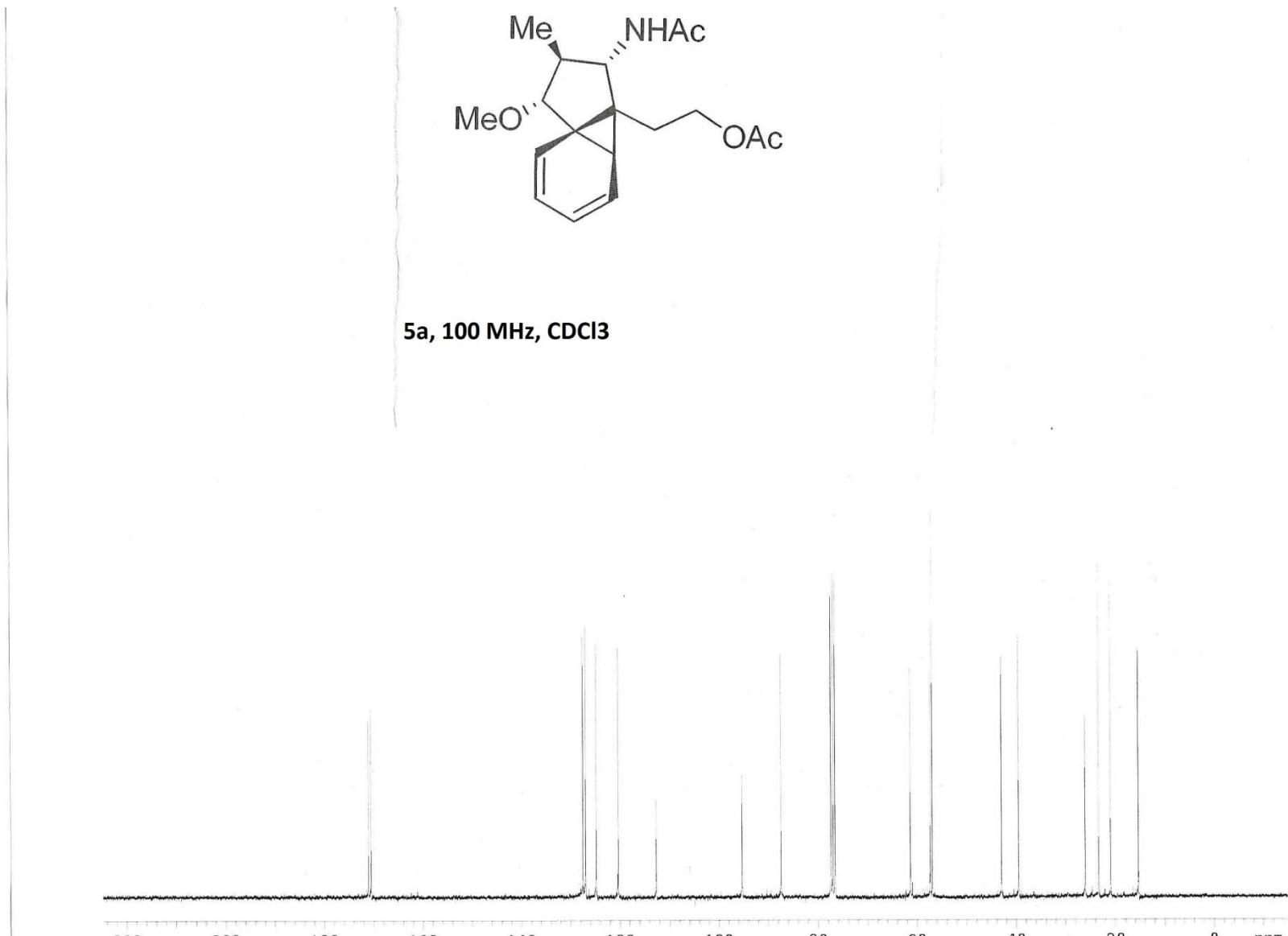


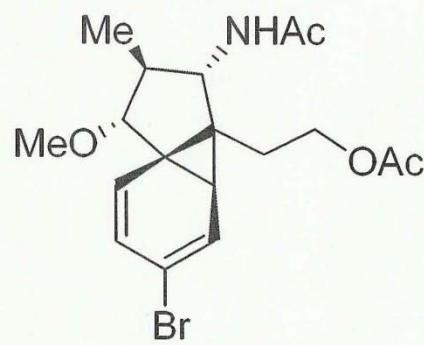
5a, 400 MHz, CDCl₃



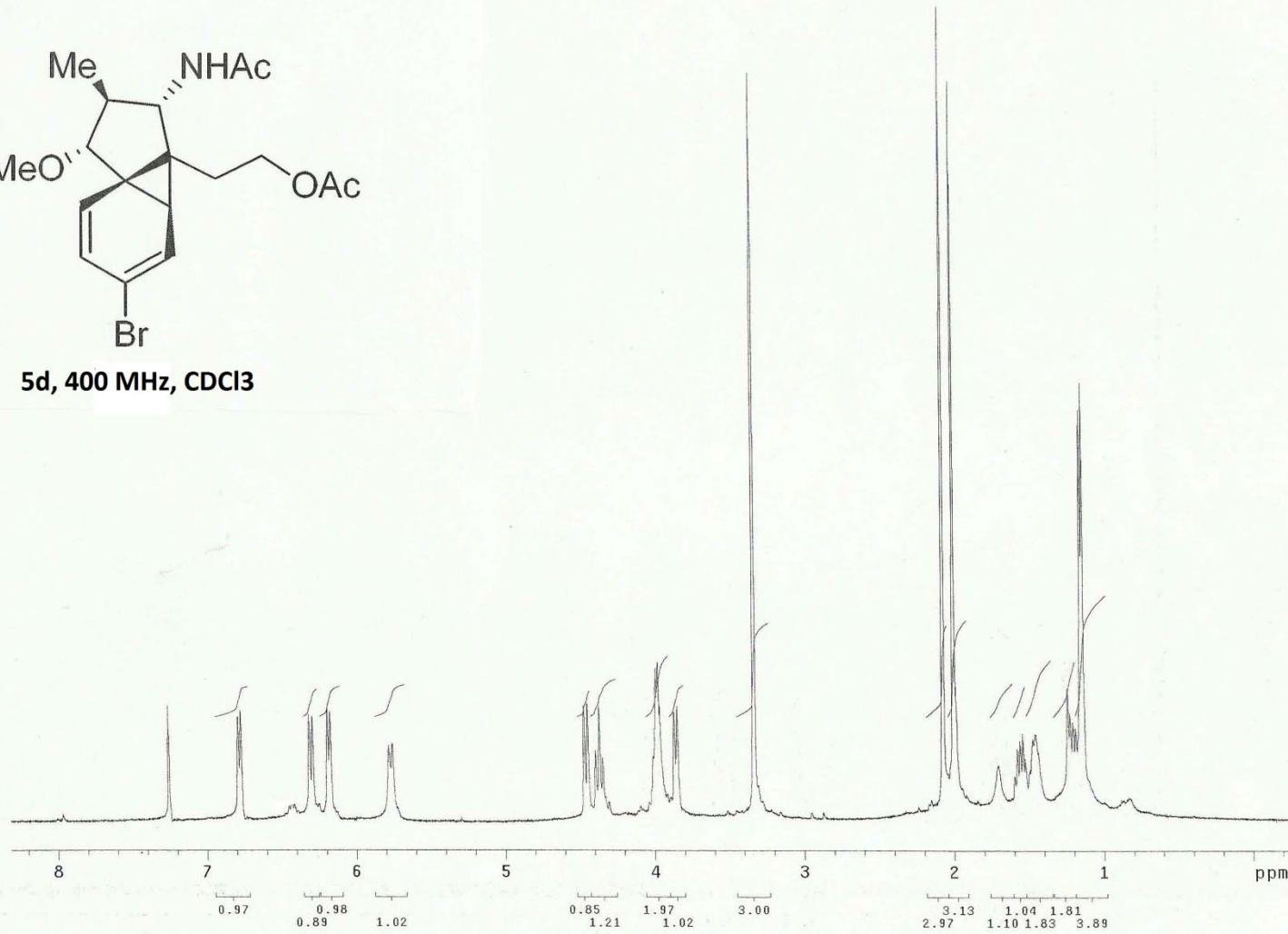


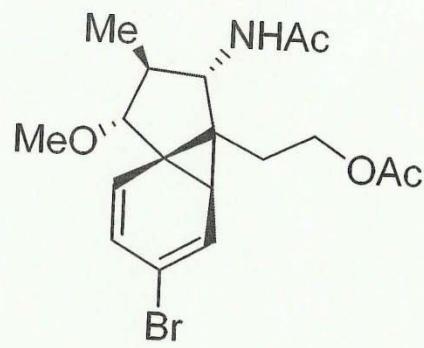
5a, 100 MHz, CDCl₃



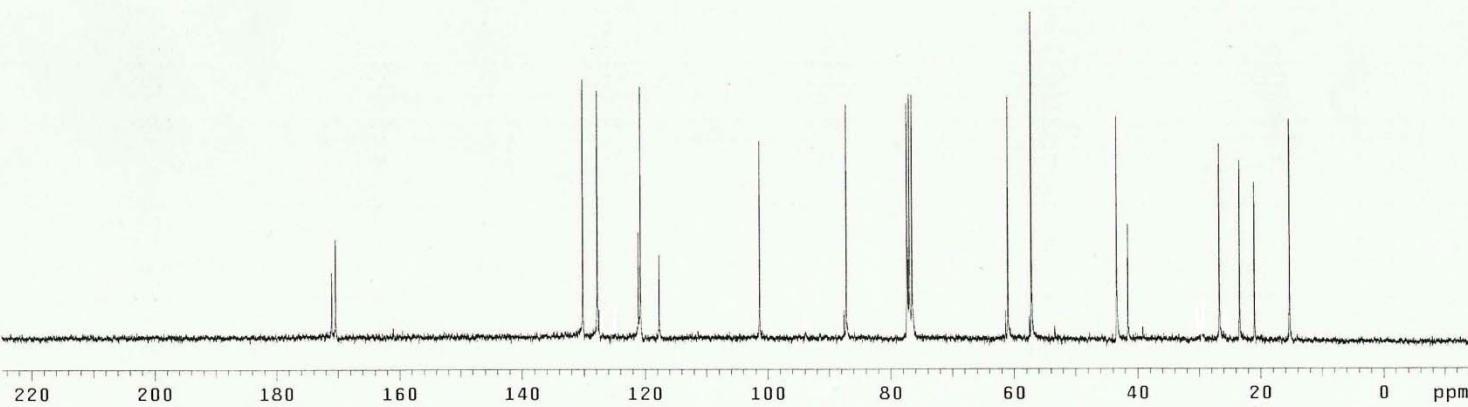


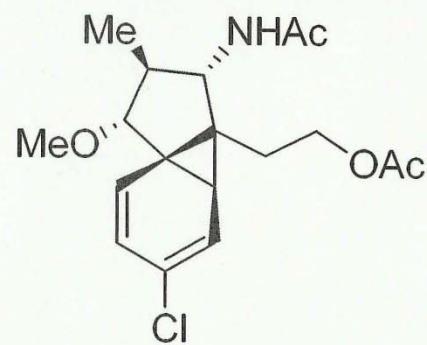
5d, 400 MHz, CDCl₃



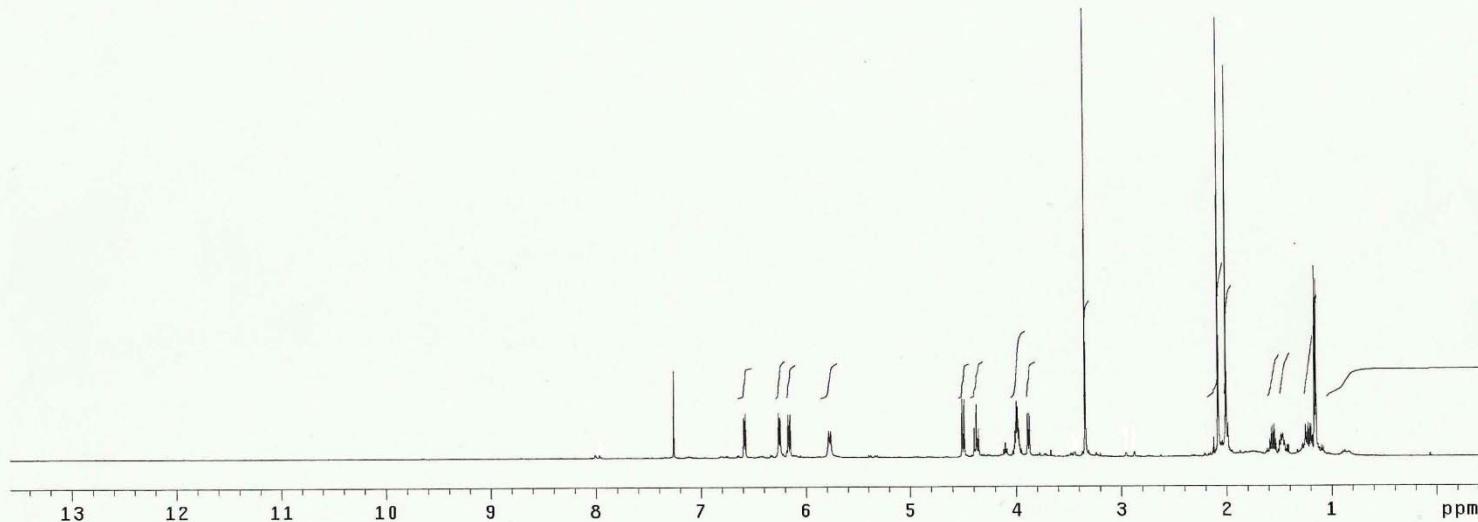


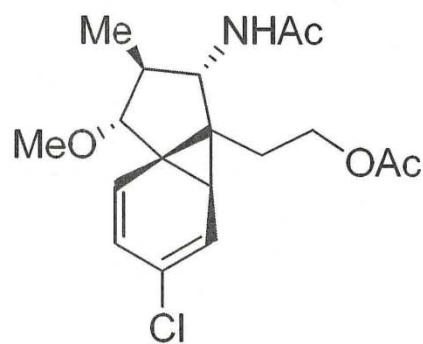
5d, 100 MHz, CDCl₃



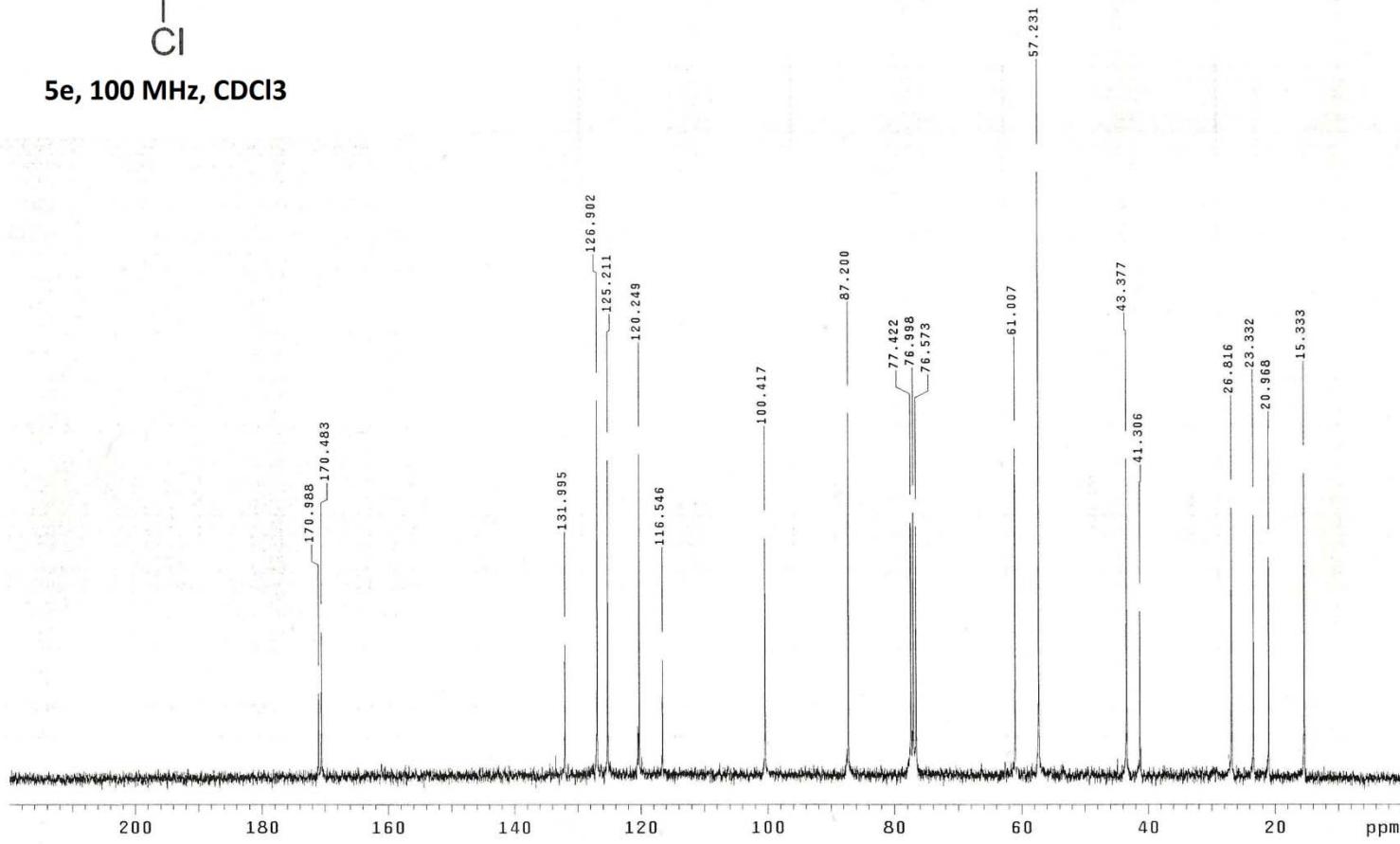


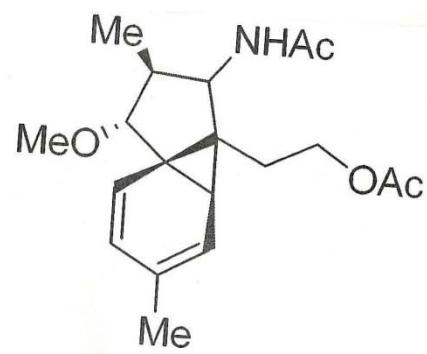
5e, 400 MHz, CDCl₃



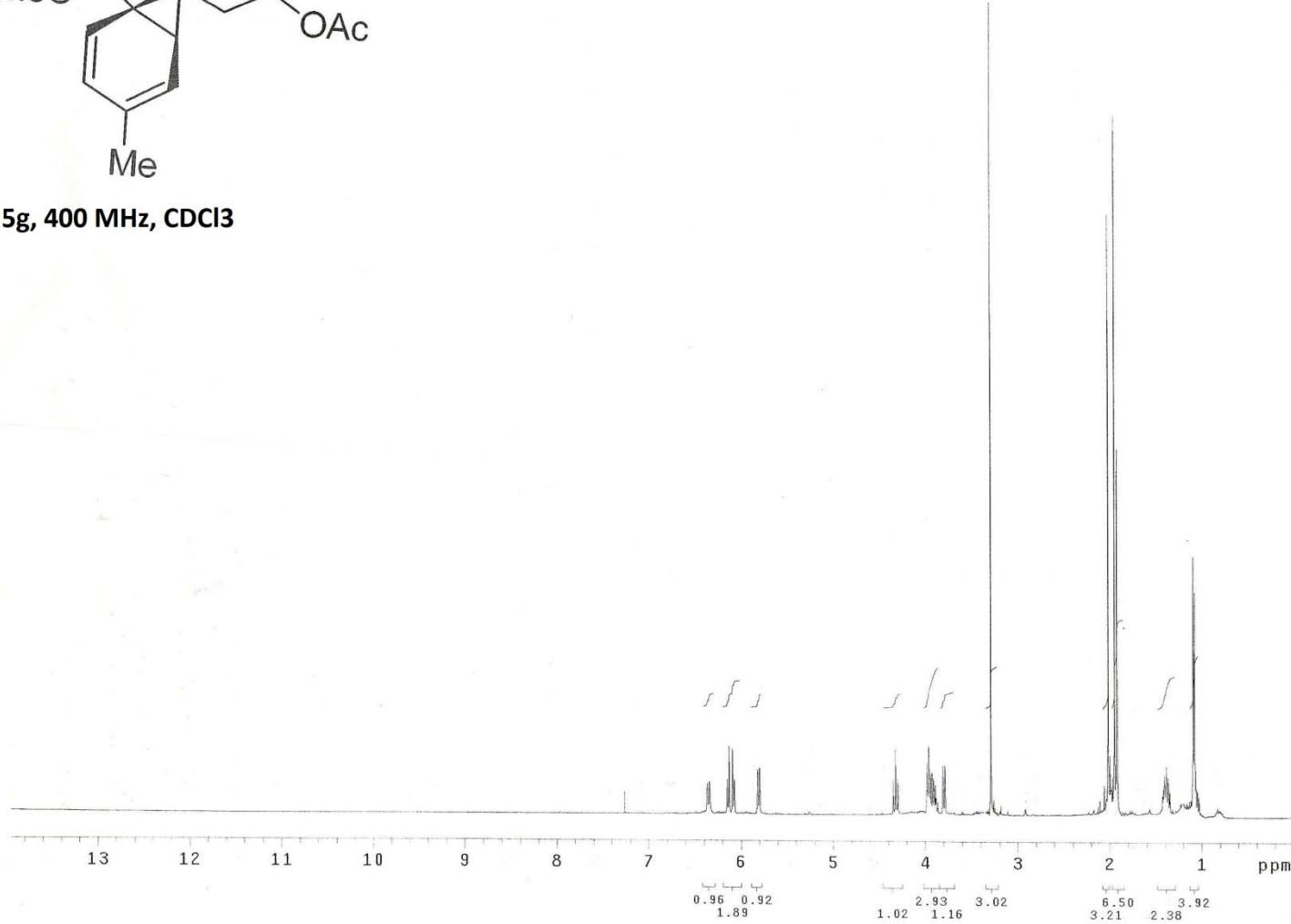


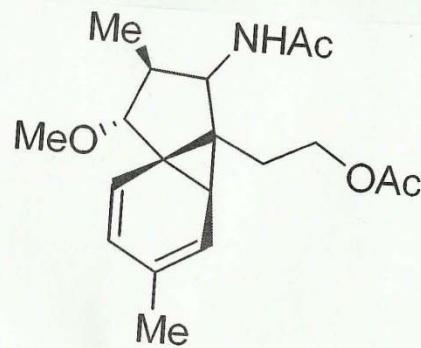
5e, 100 MHz, CDCl₃



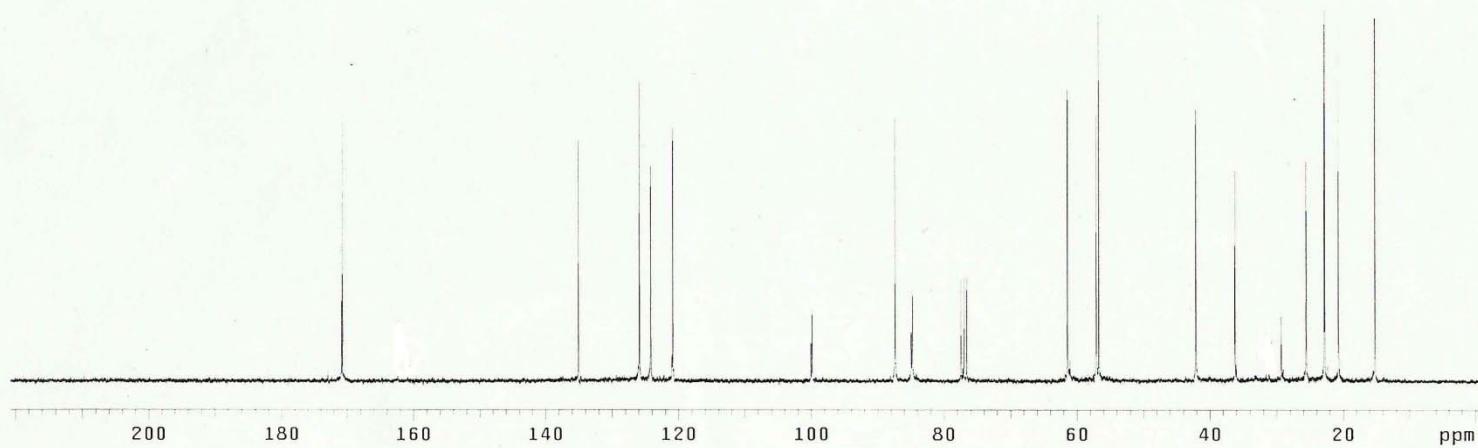


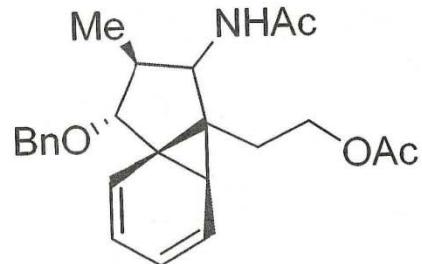
5g, 400 MHz, CDCl₃



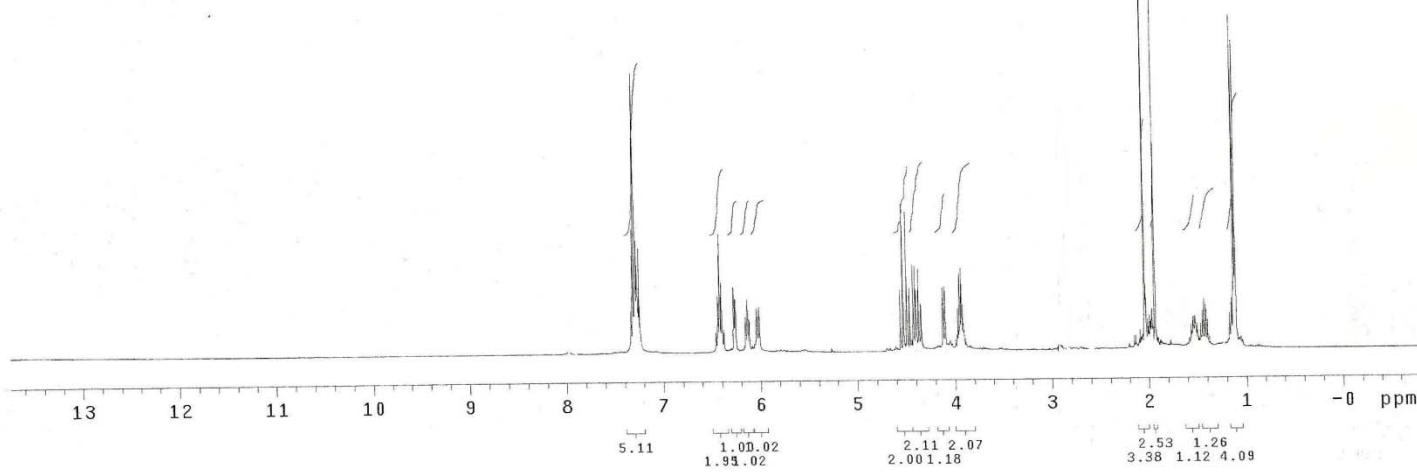


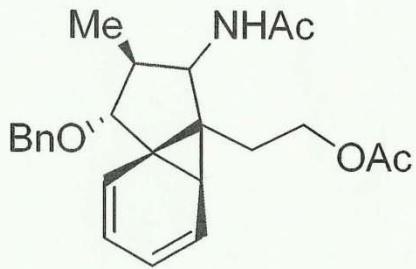
5g, 100 MHz, CDCl₃



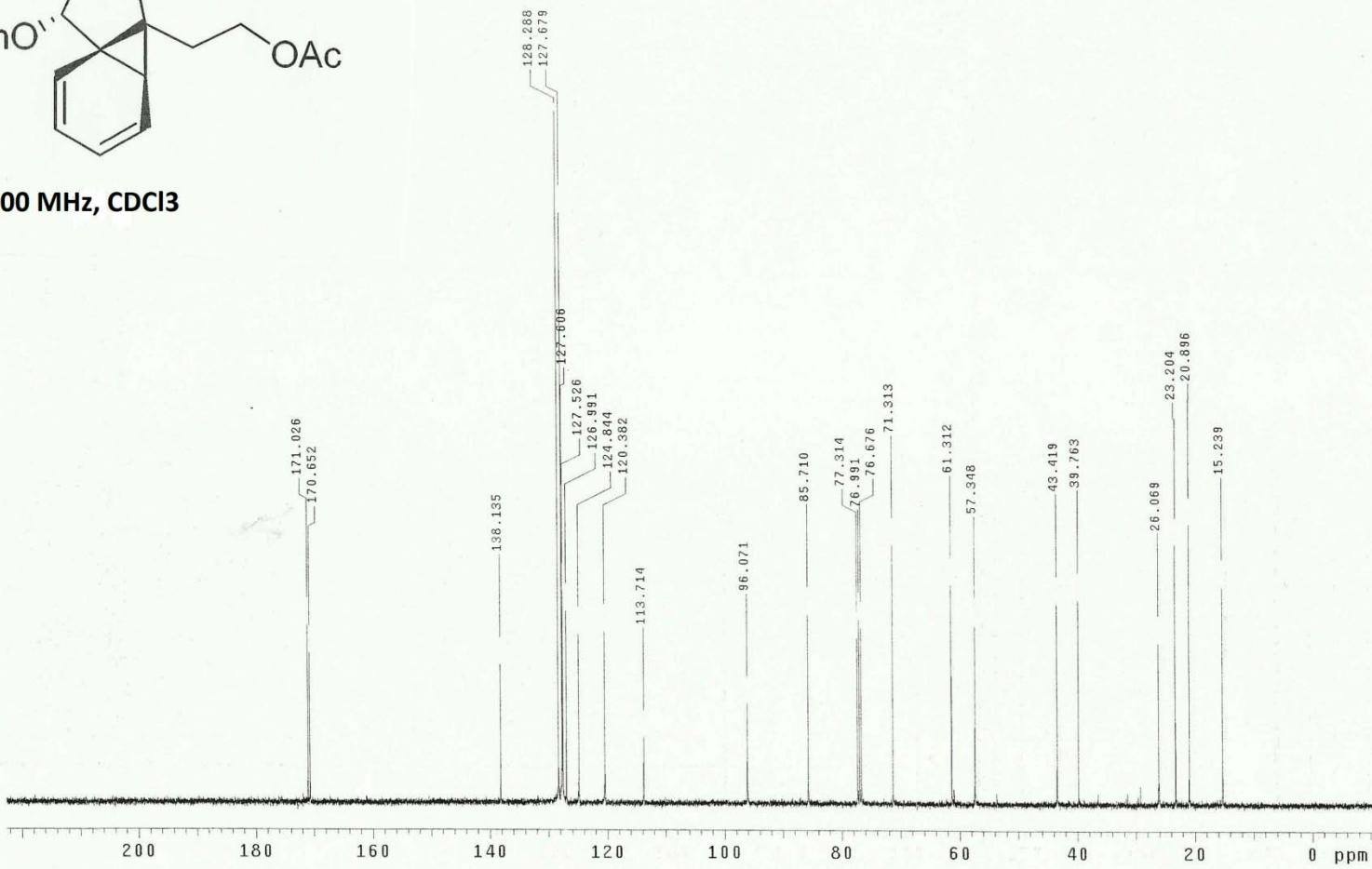


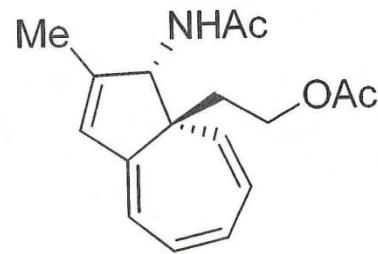
5i, 400 MHz, CDCl₃



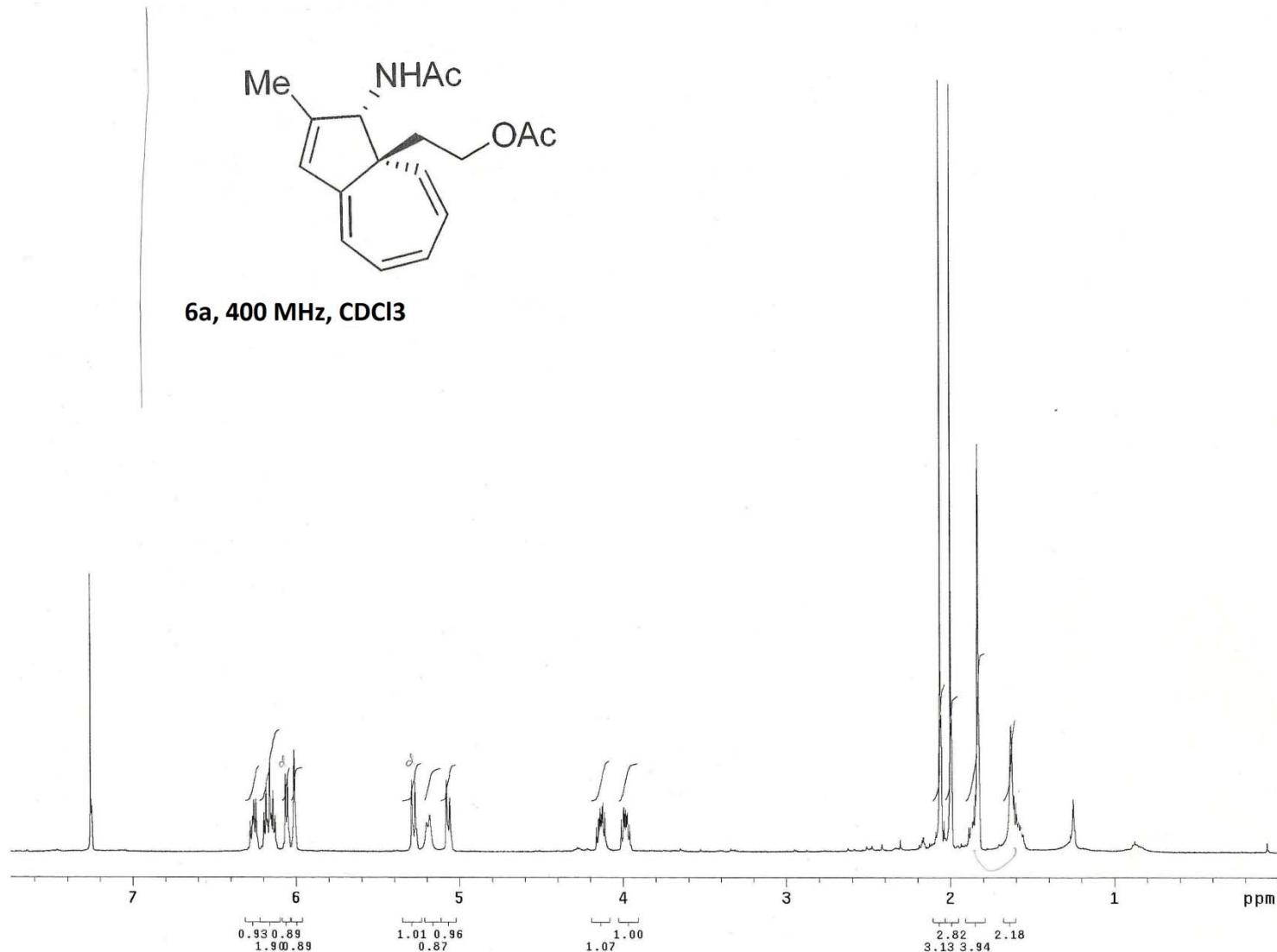


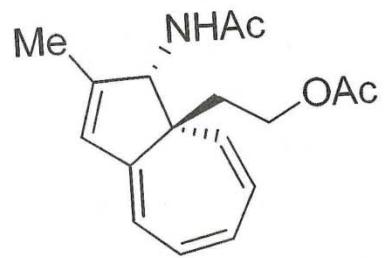
5i, 100 MHz, CDCl₃



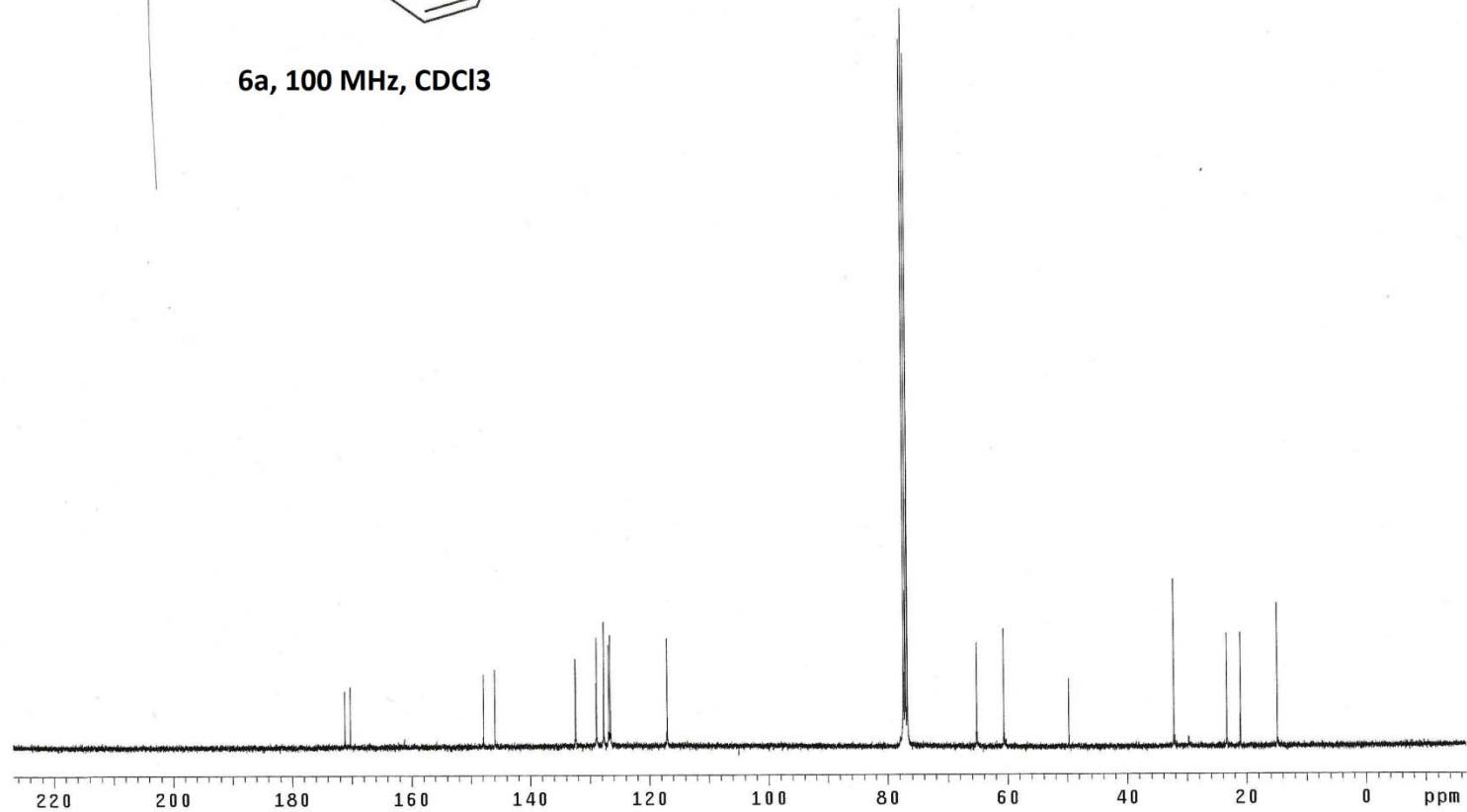


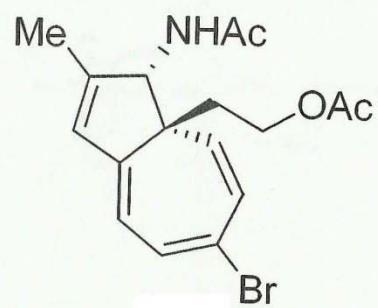
6a, 400 MHz, CDCl₃



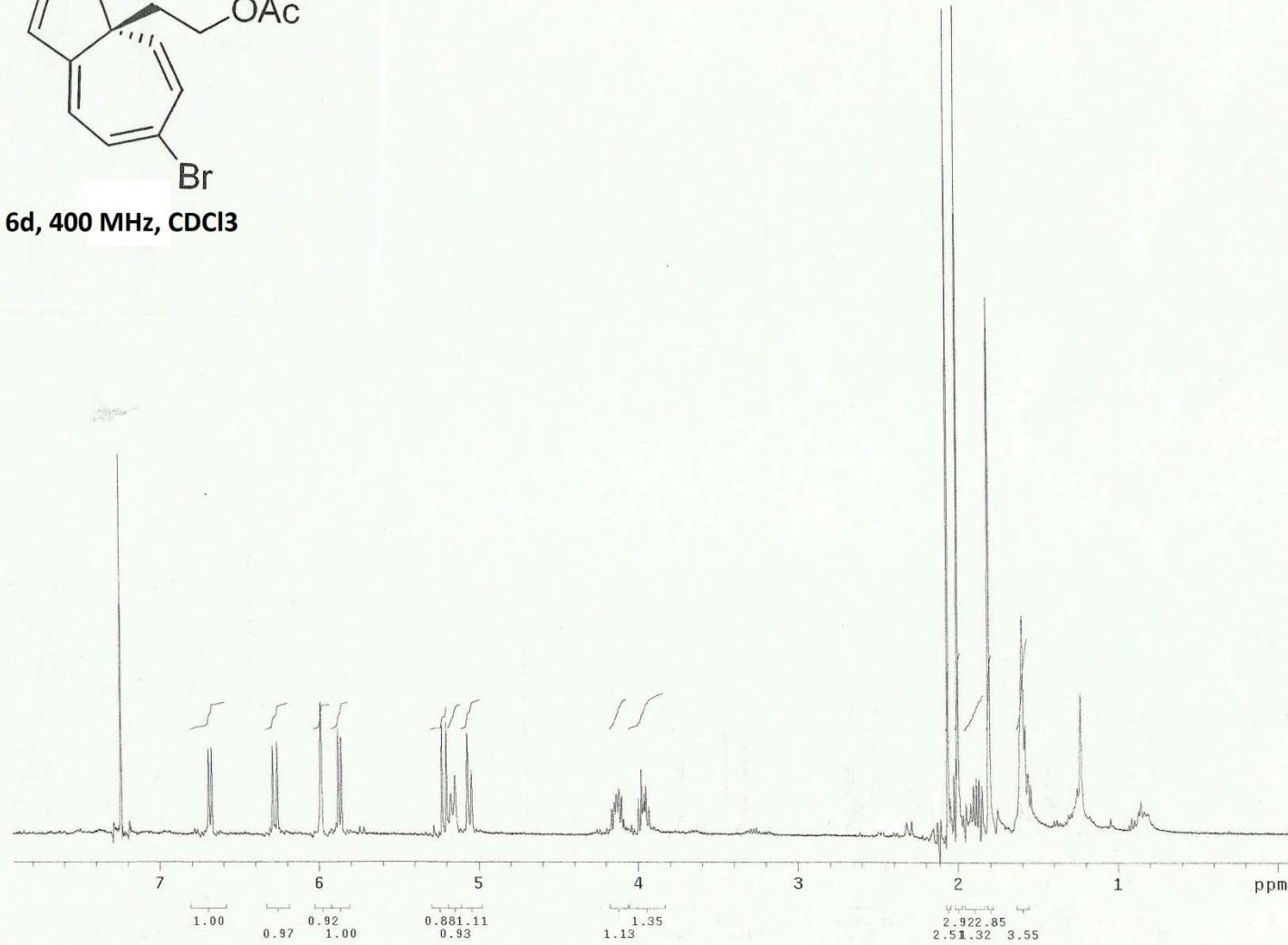


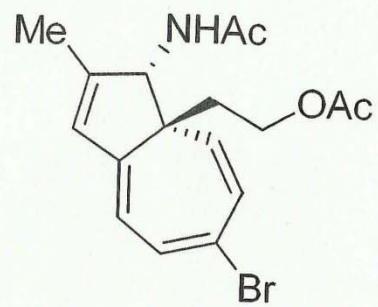
6a, 100 MHz, CDCl₃



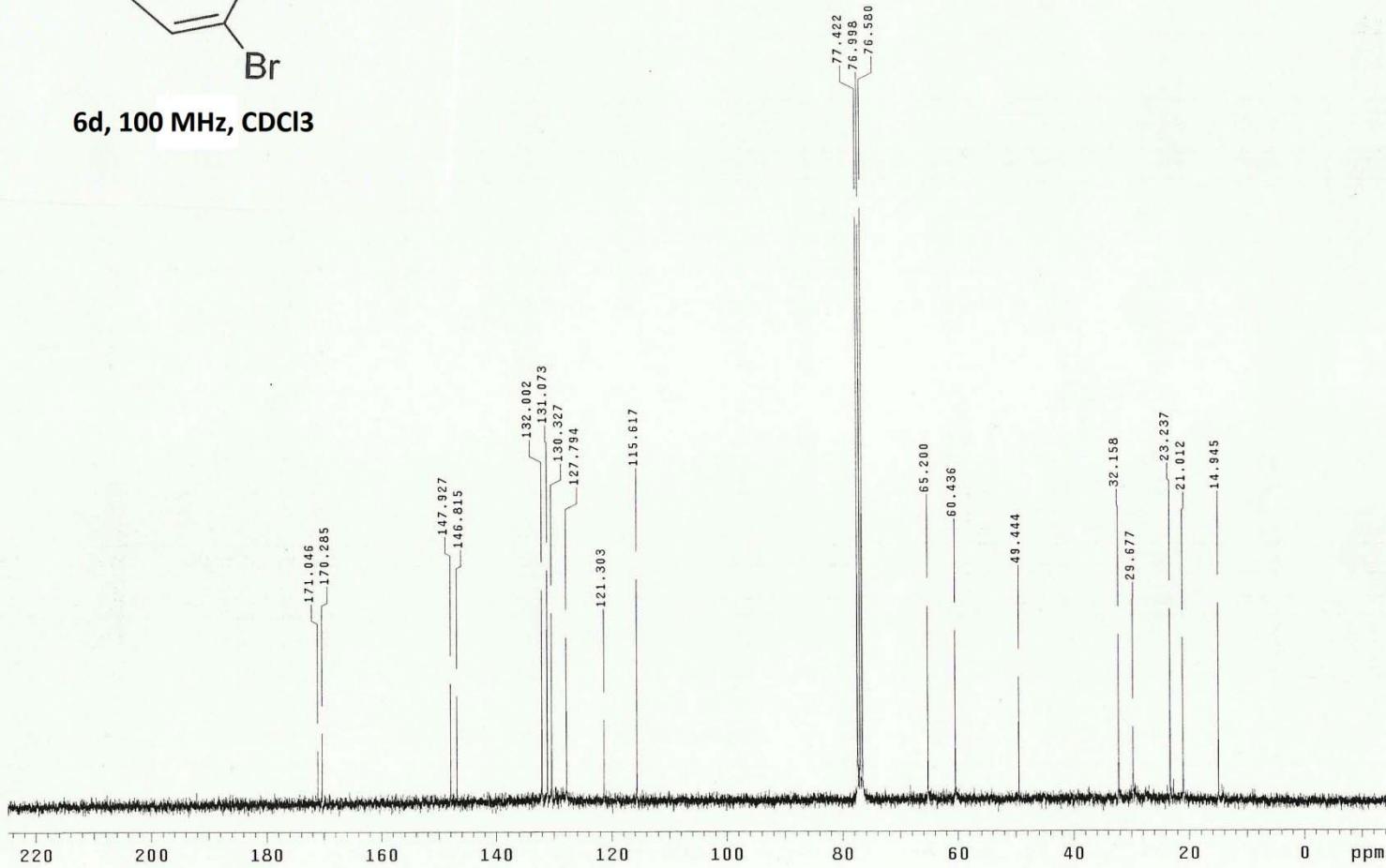


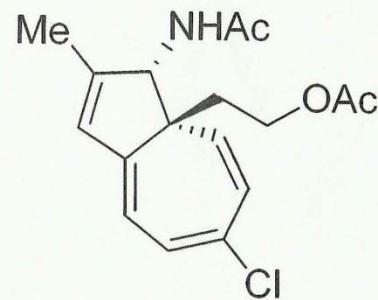
6d, 400 MHz, CDCl₃



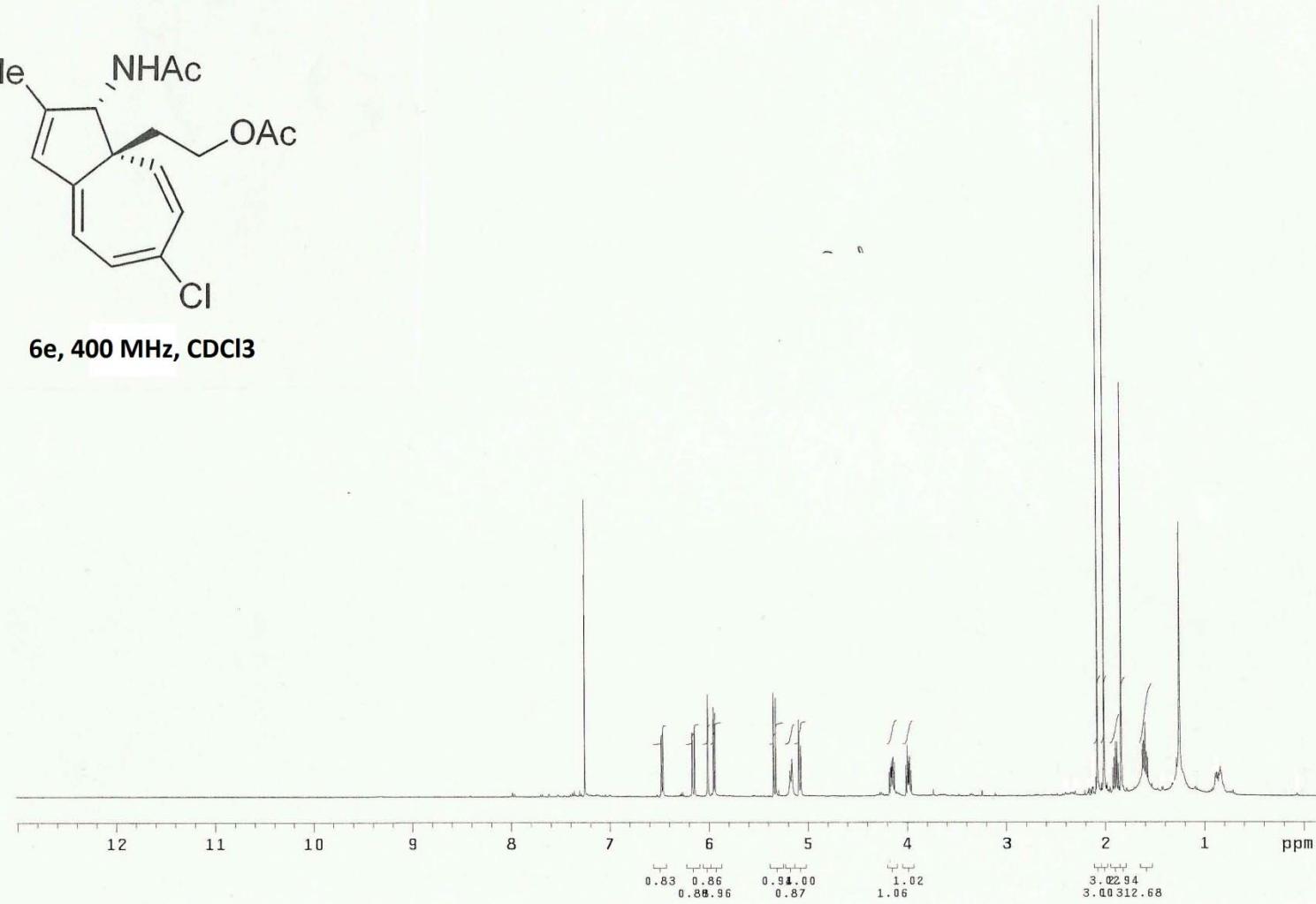


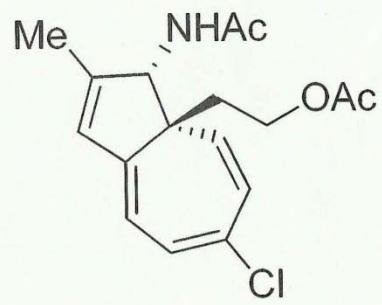
6d, 100 MHz, CDCl₃



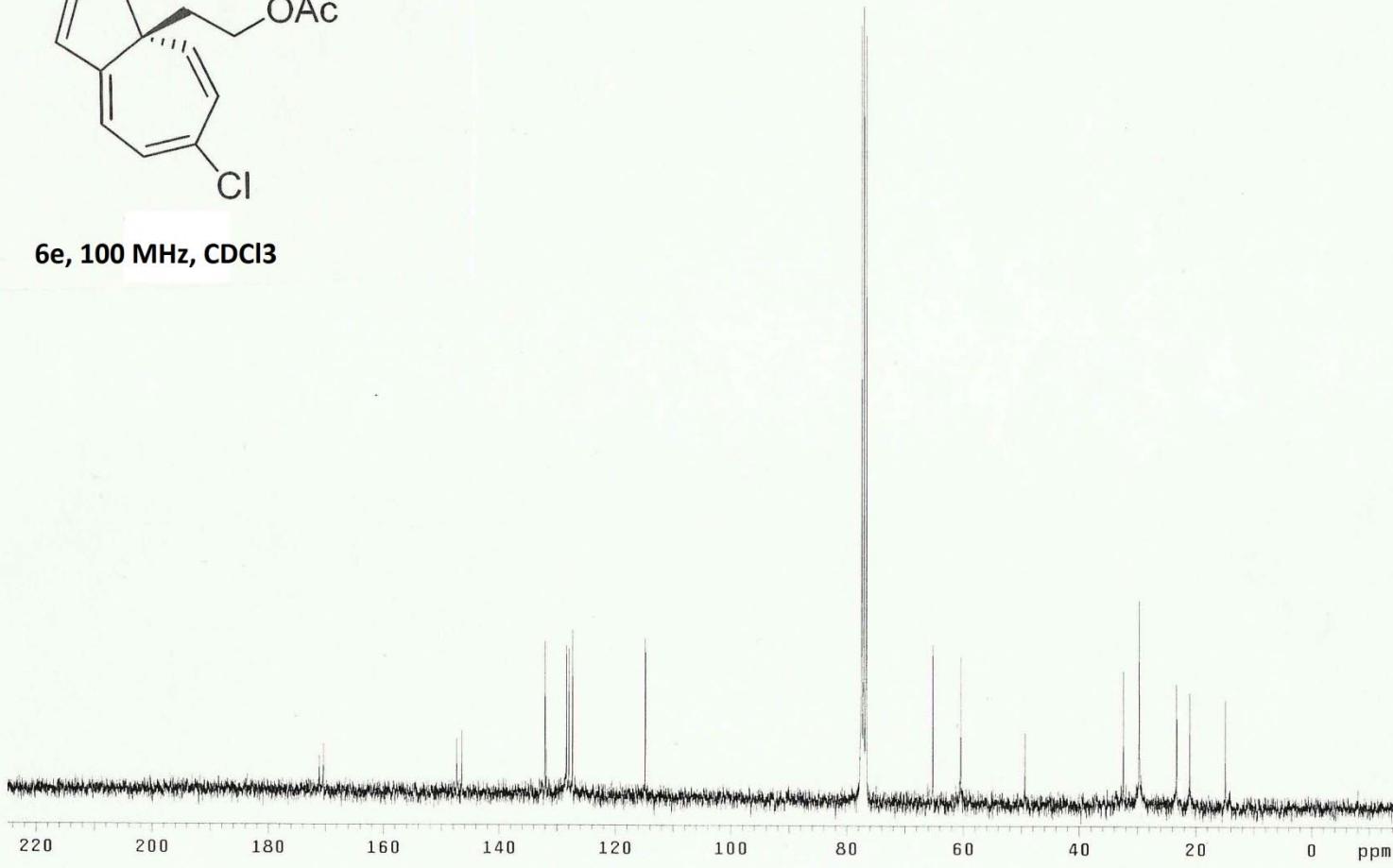


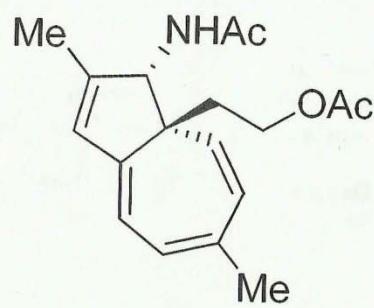
6e, 400 MHz, CDCl₃





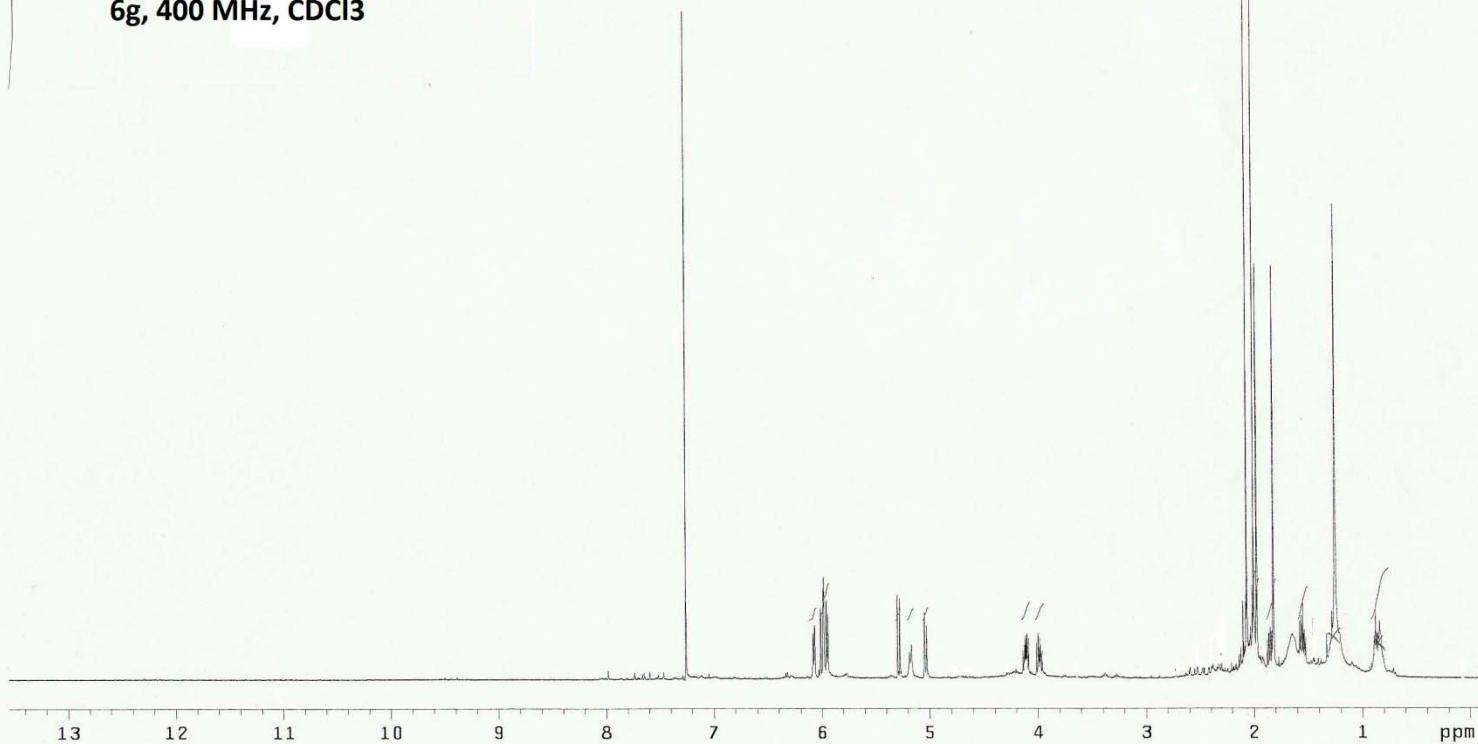
6e, 100 MHz, CDCl₃

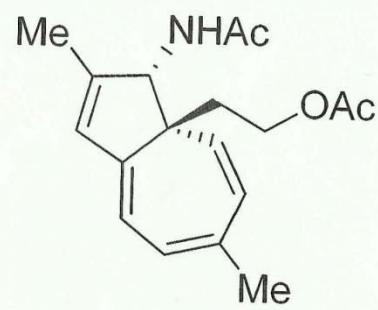




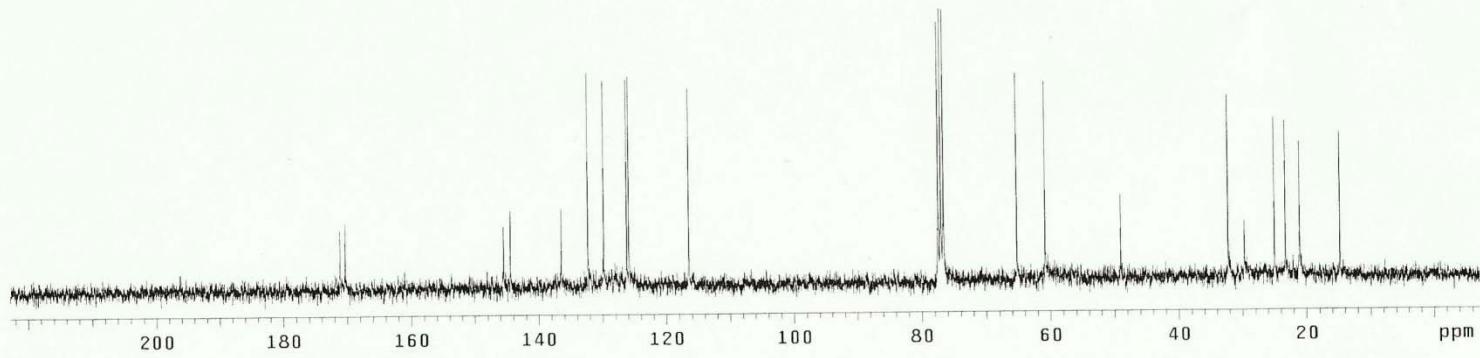
+ 20.8

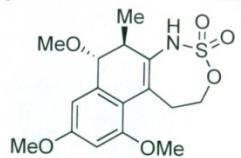
6g, 400 MHz, CDCl₃





6g, 100 MHz, CDCl₃





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7, 400 MHz, CDCl₃

