

# Synthesis of 2,3-Dihydro-1*H*-Indazoles by Rh(III)-Catalyzed C-H Cleavage of Arylhydrazines

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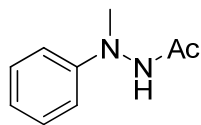
## Supporting Information

### Content

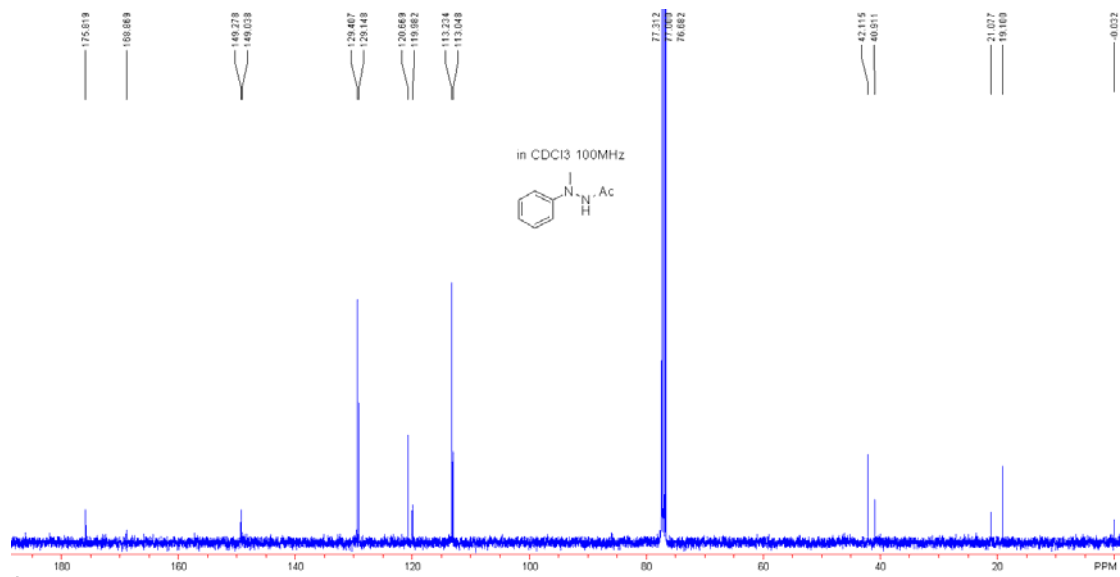
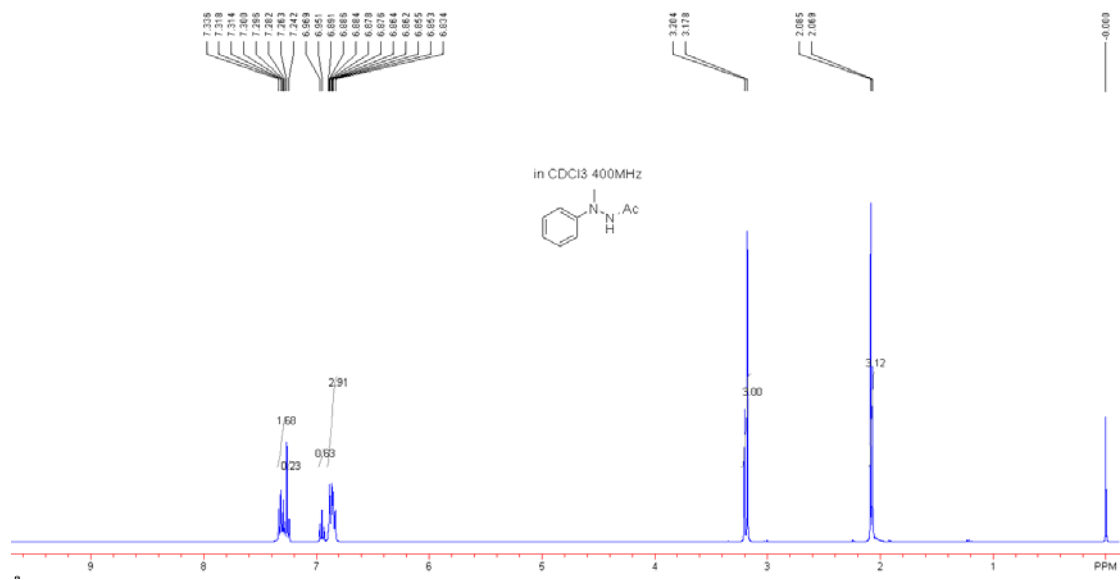
<sup>1</sup>H NMR and <sup>13</sup>C NMR spectra of the starting materials.....S 2

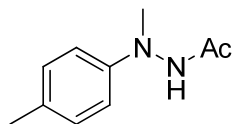
<sup>1</sup>H NMR and <sup>13</sup>C NMR spectra of the products.....S 14

# 1. $^1\text{H}$ NMR and $^{13}\text{C}$ NMR spectra of the starting materials

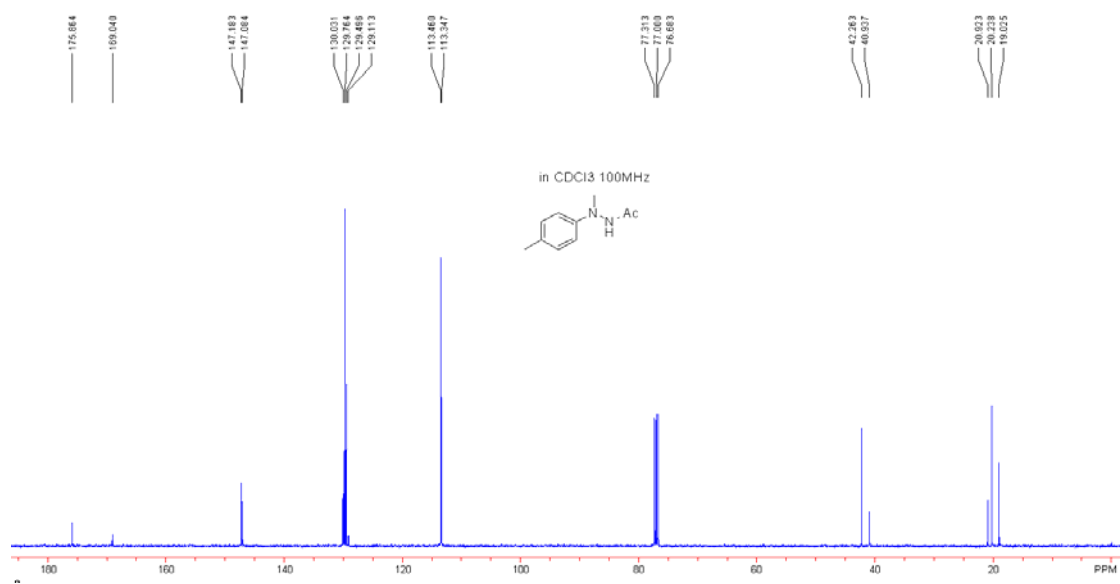
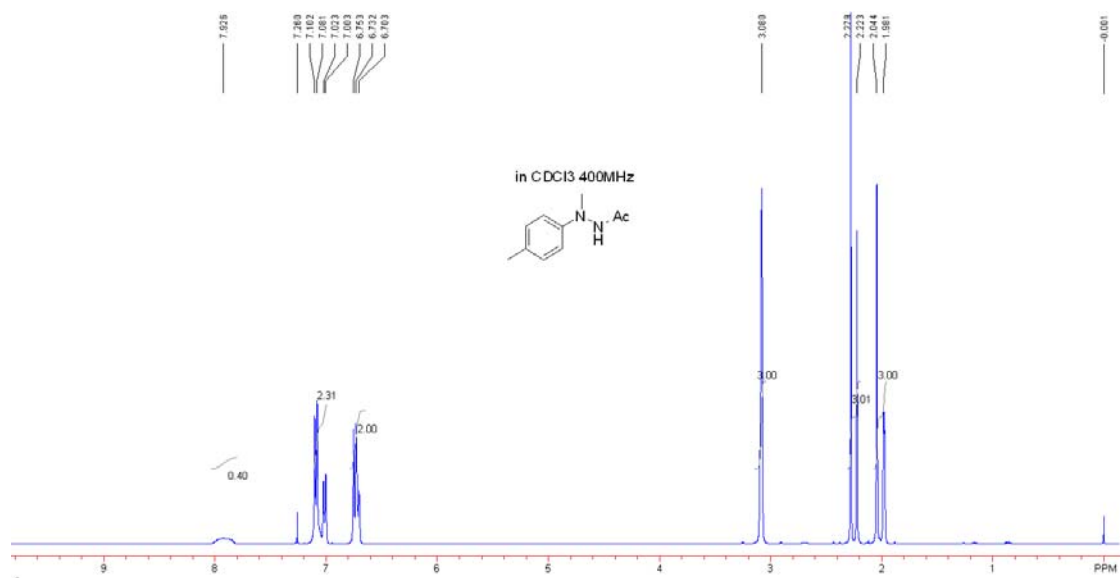


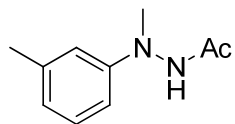
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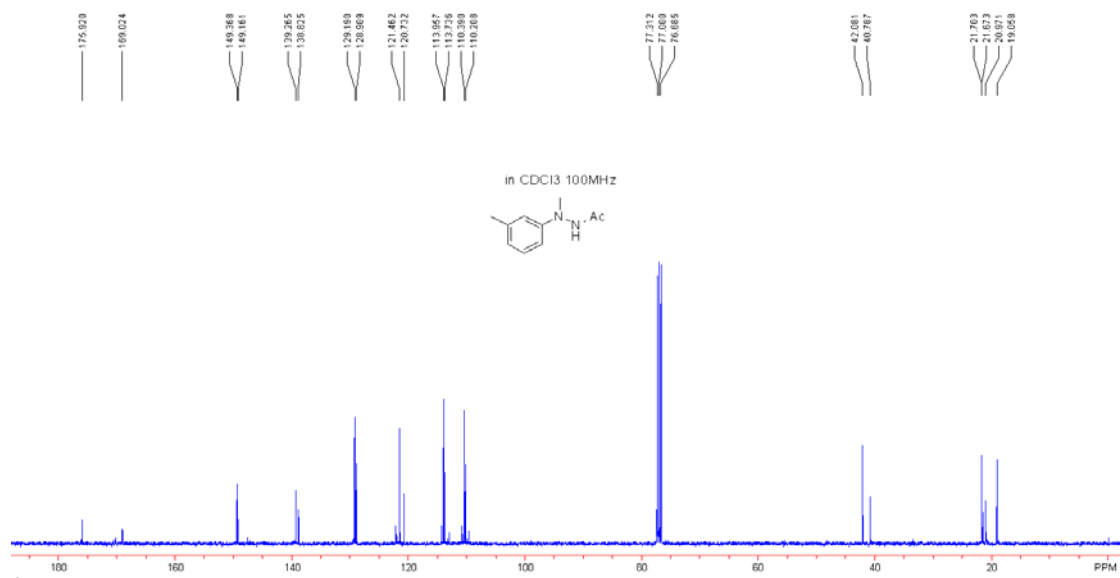
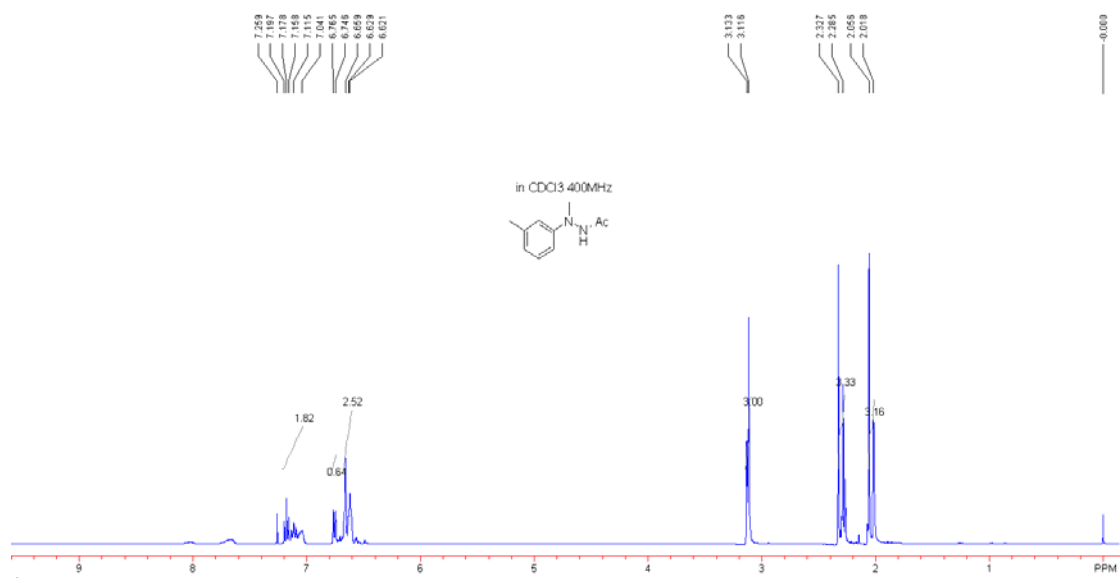


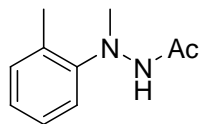
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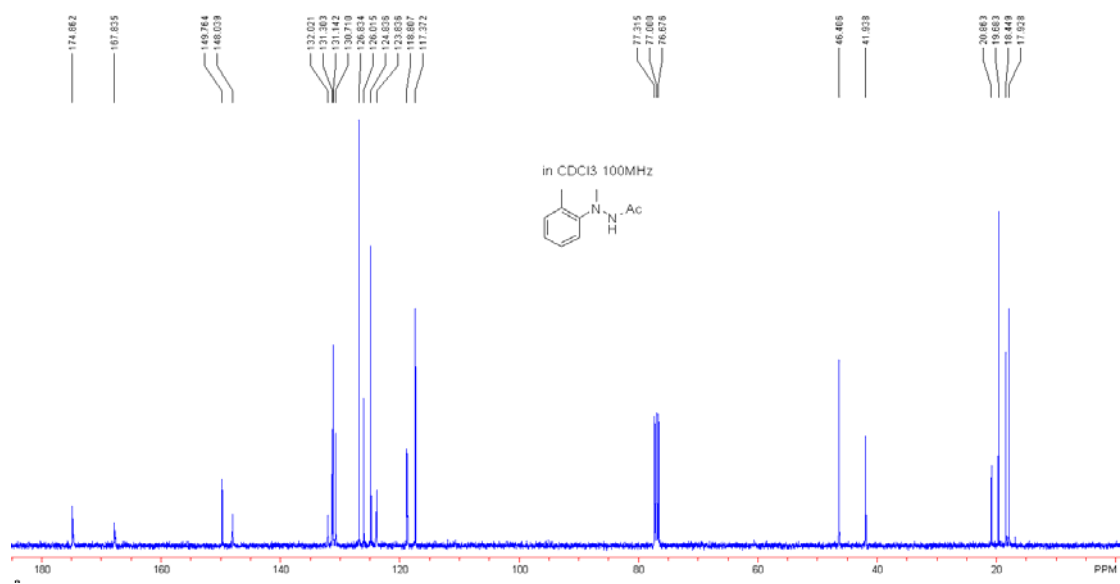
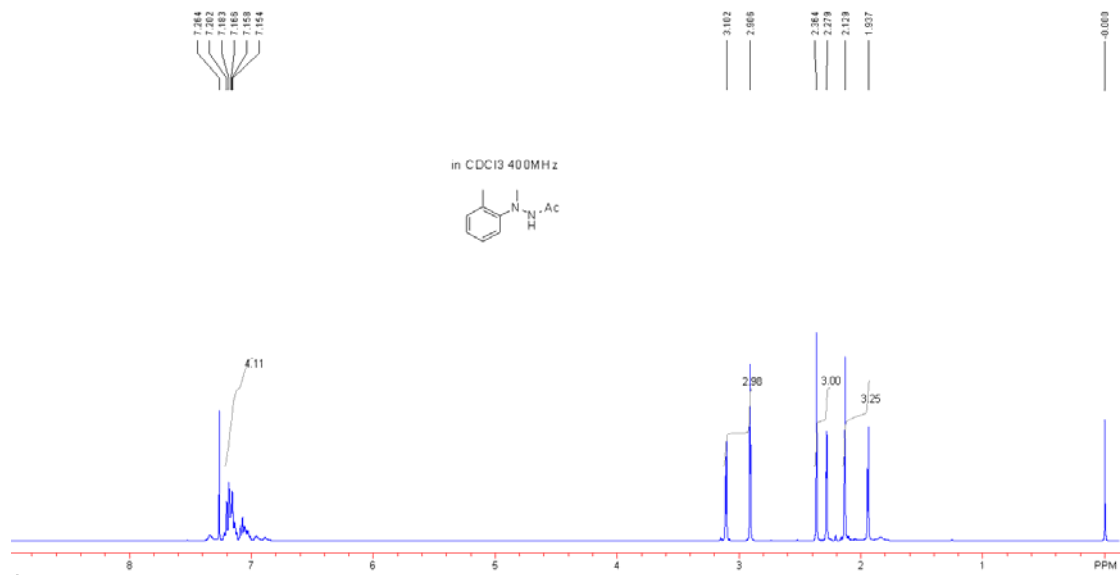


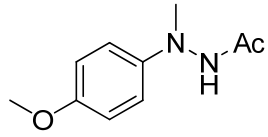
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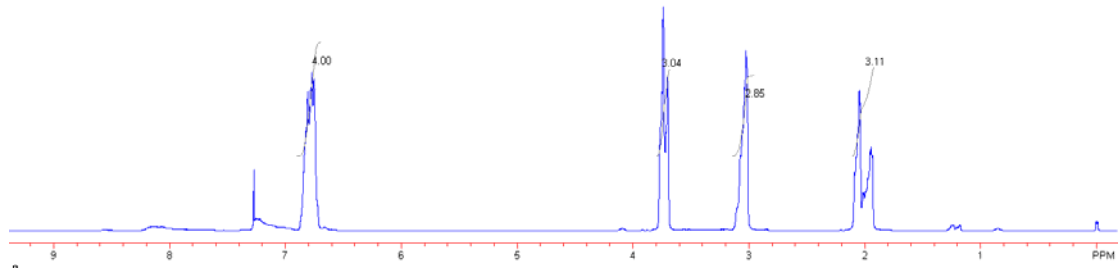
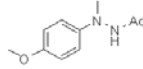




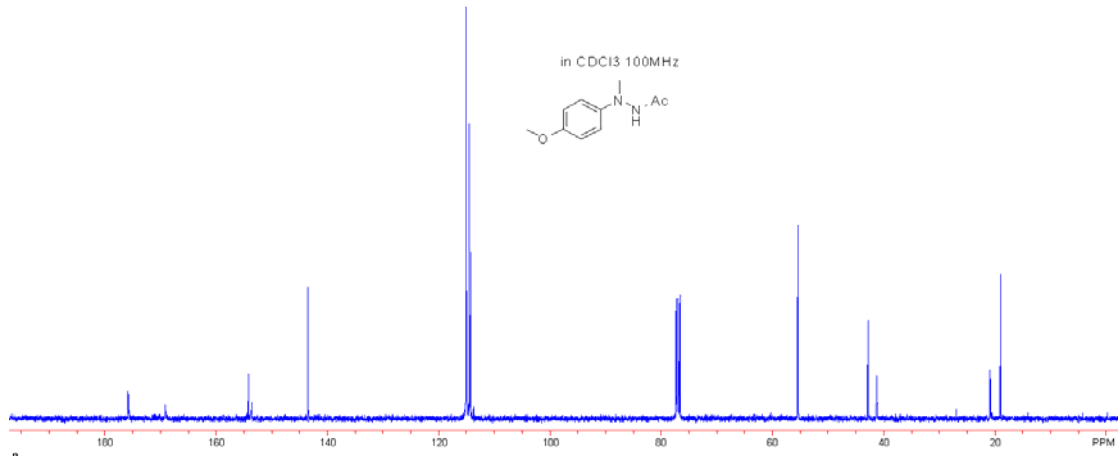
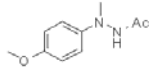
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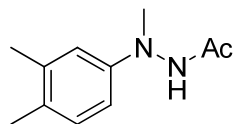


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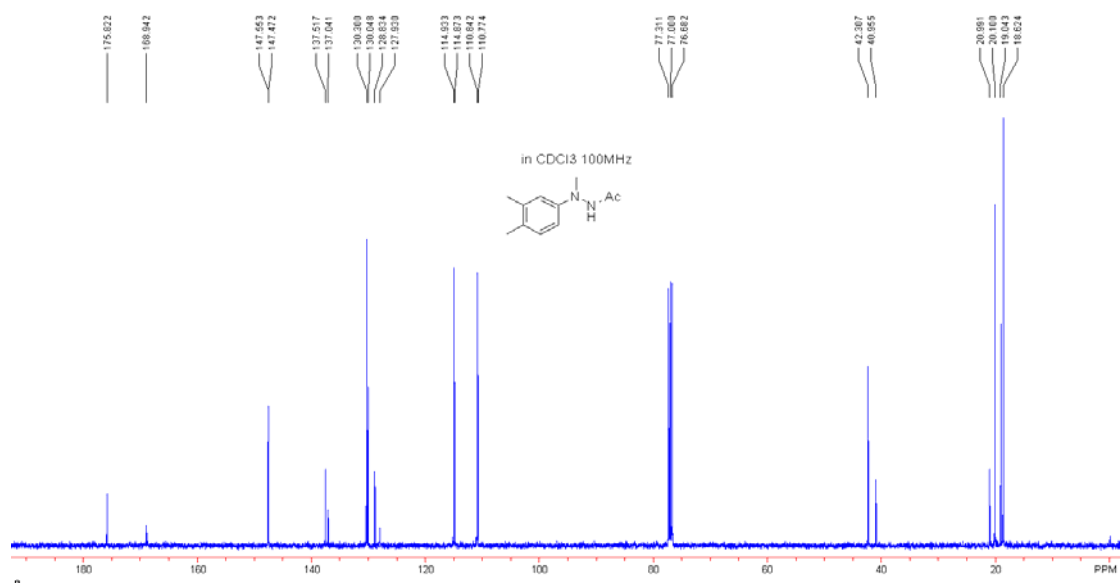
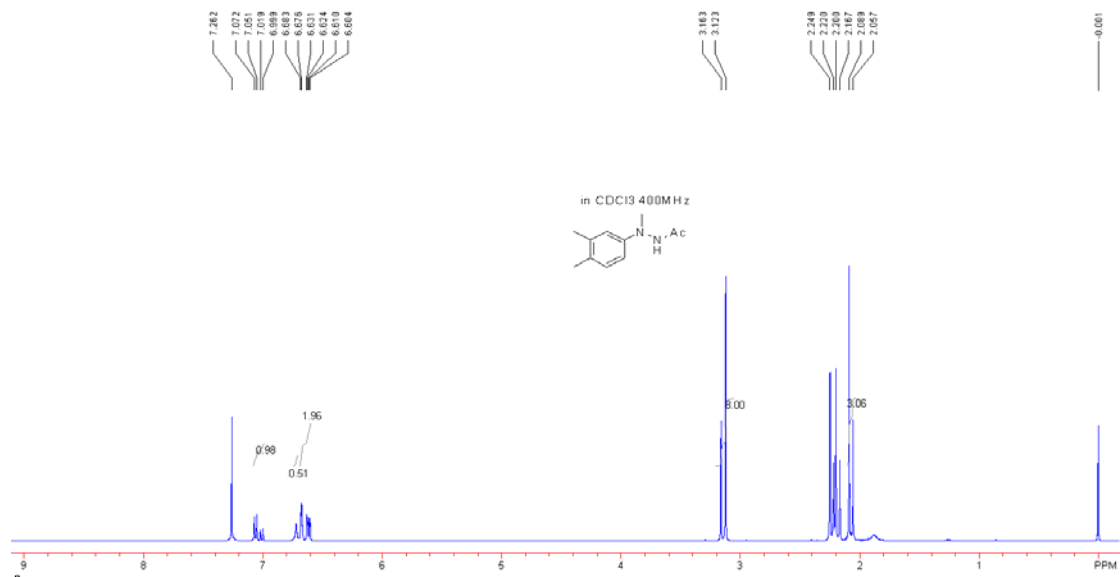


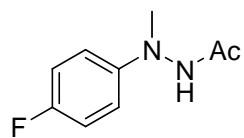
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**1f**

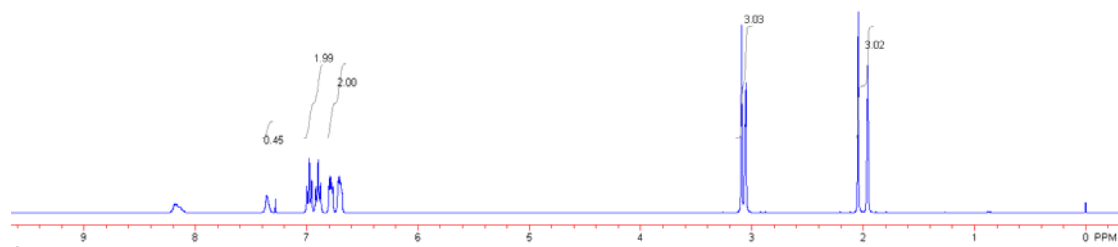
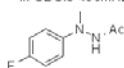




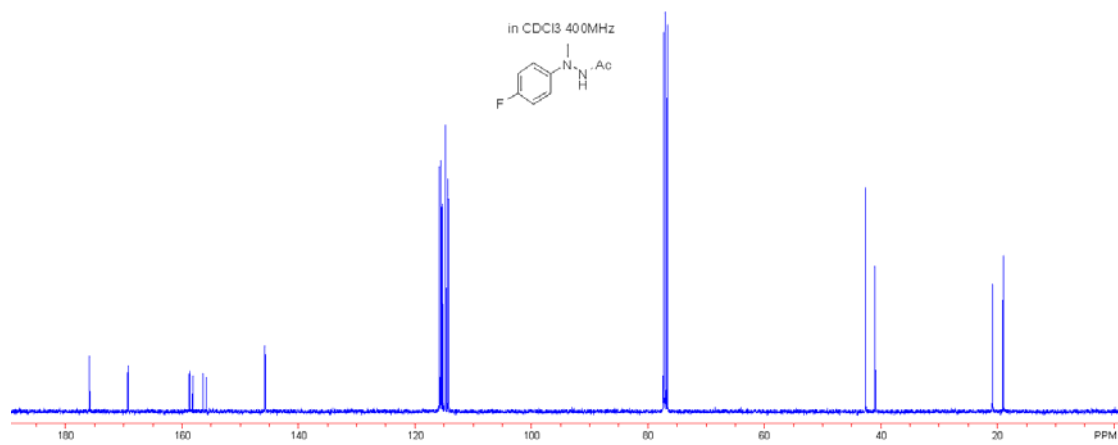
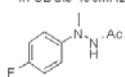
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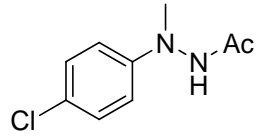
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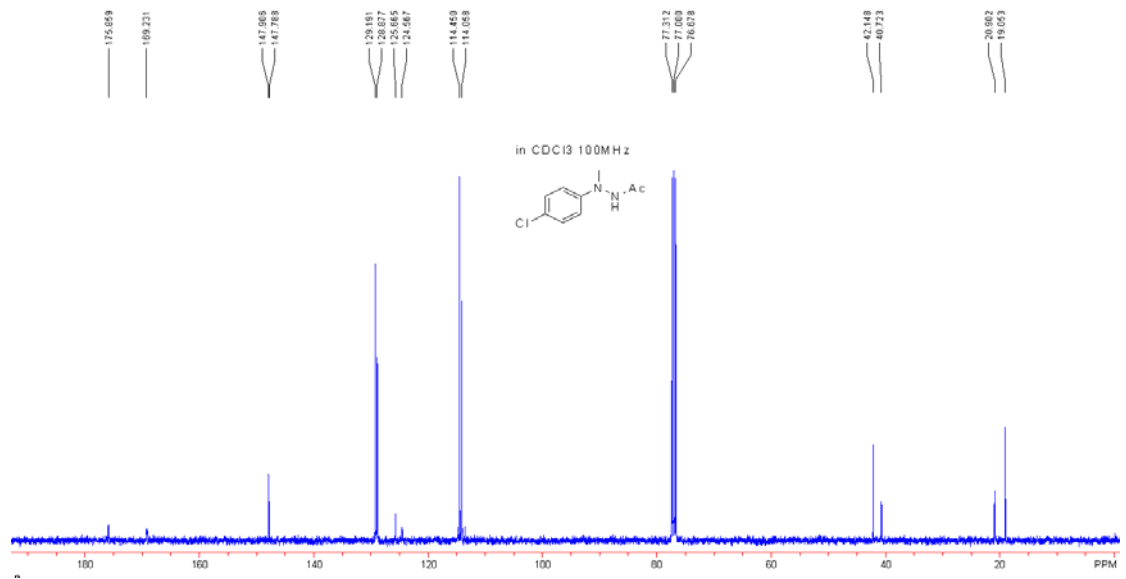
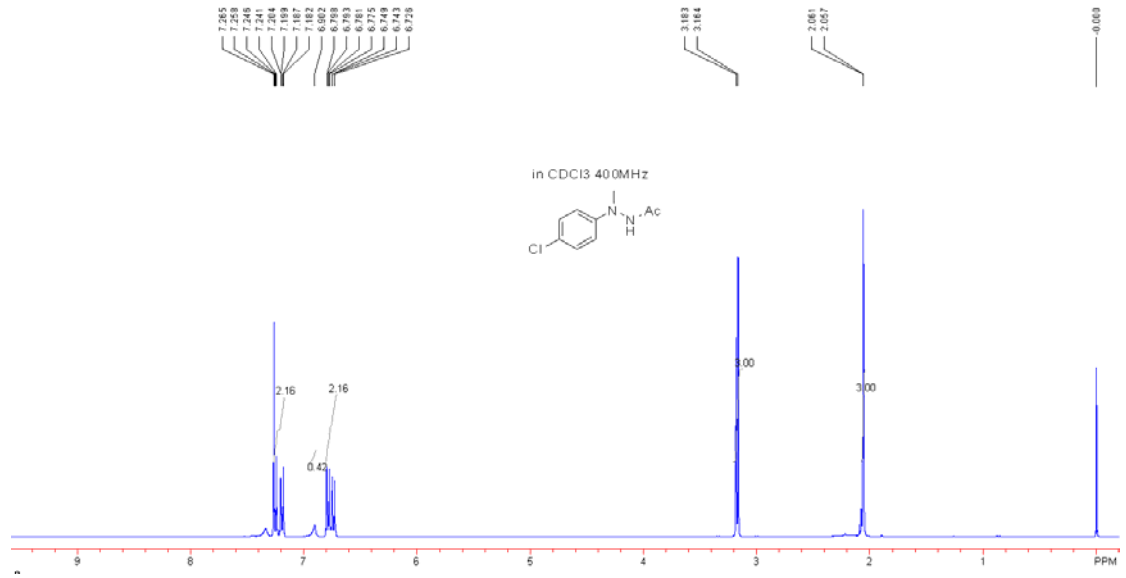
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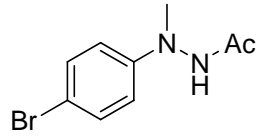




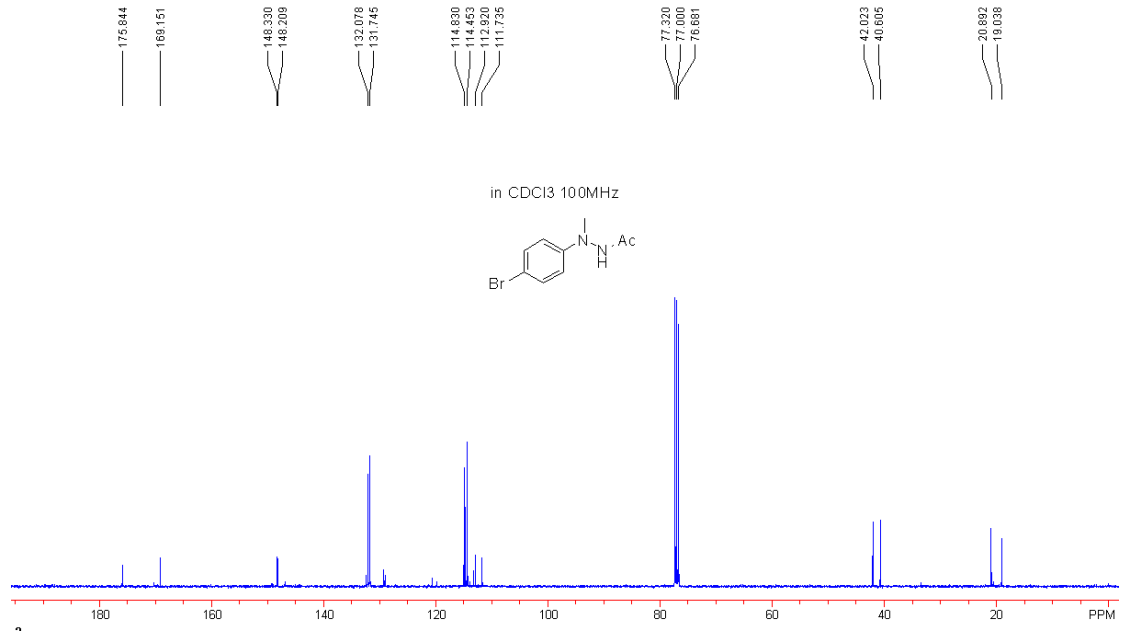
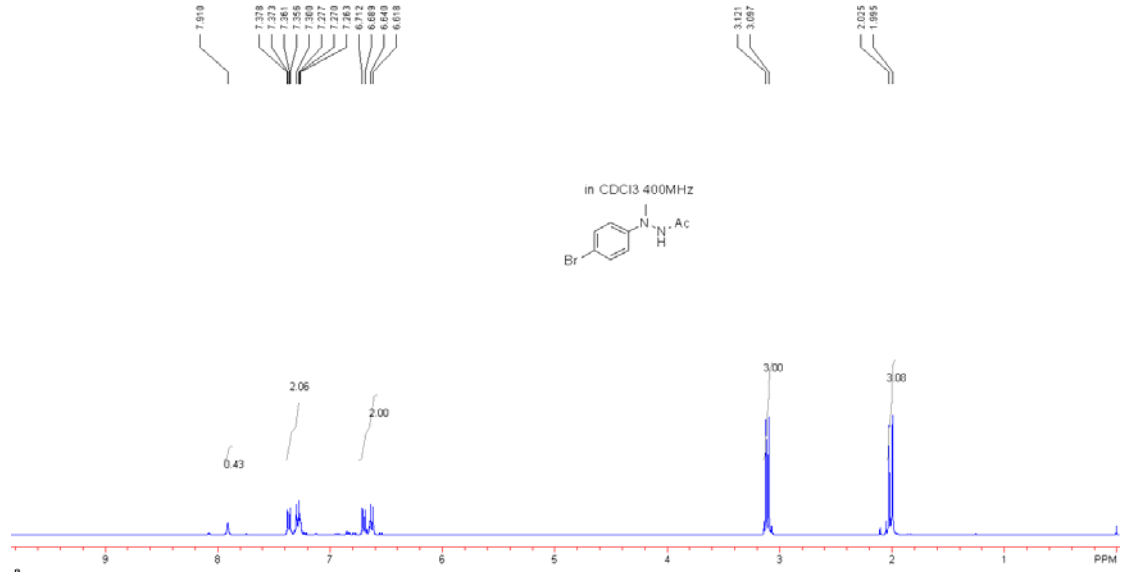


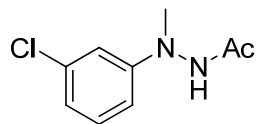
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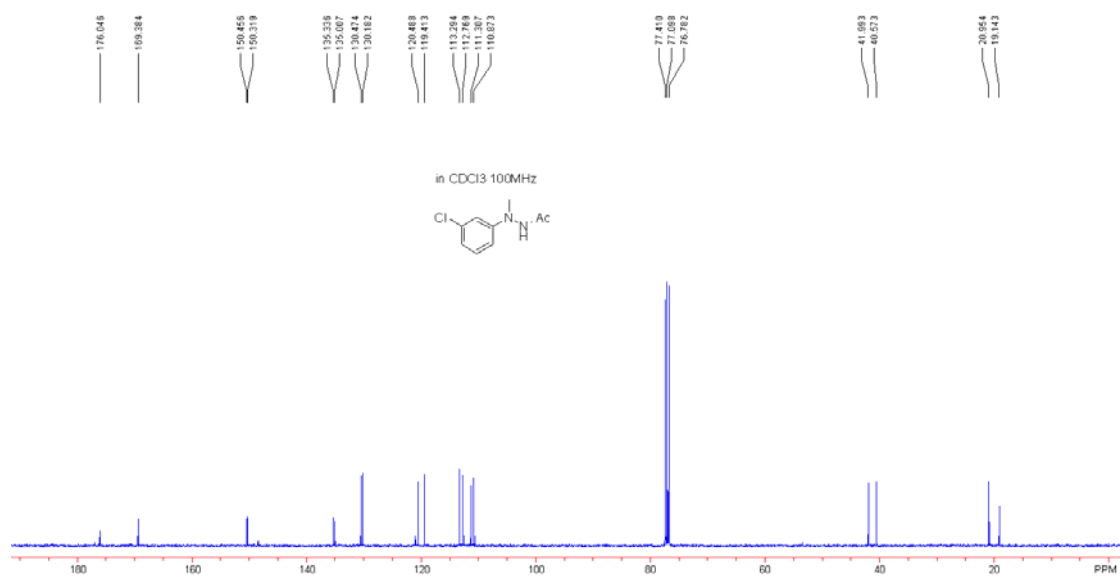
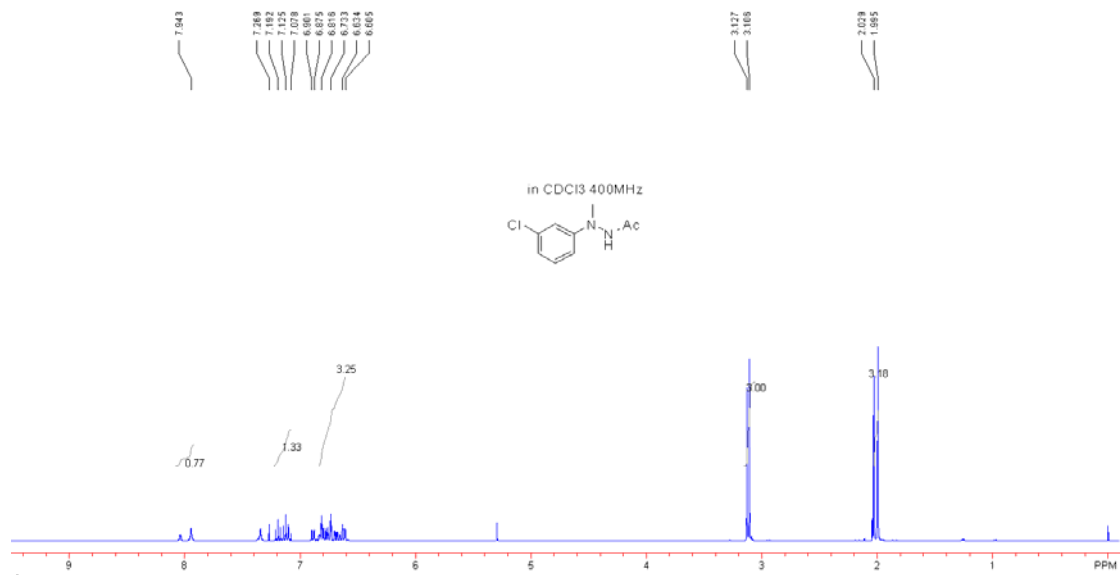


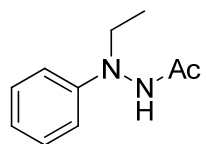
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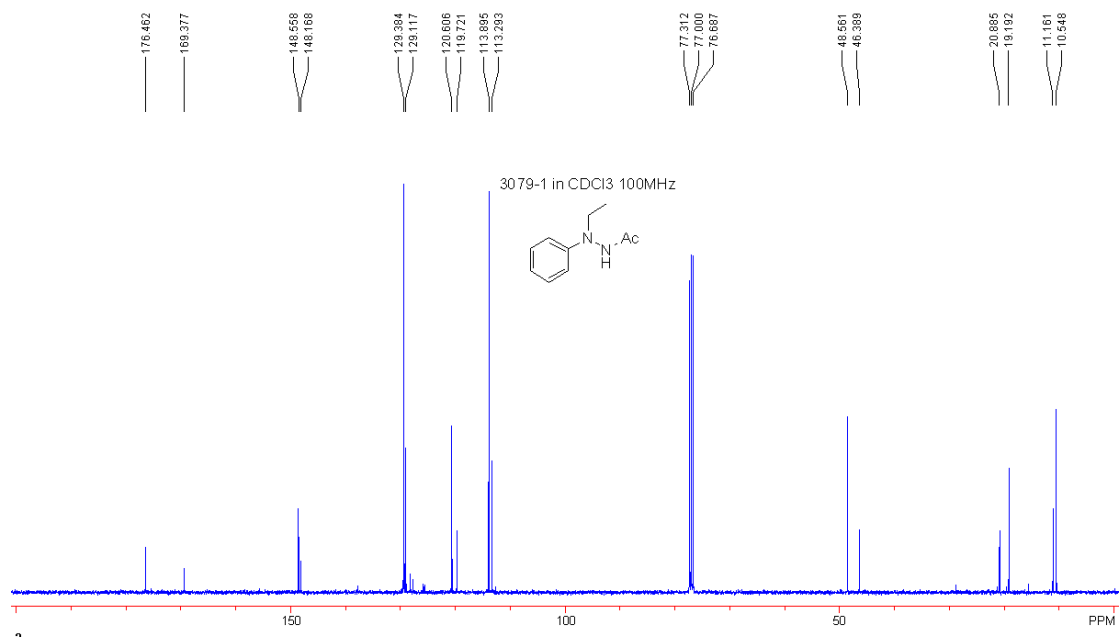
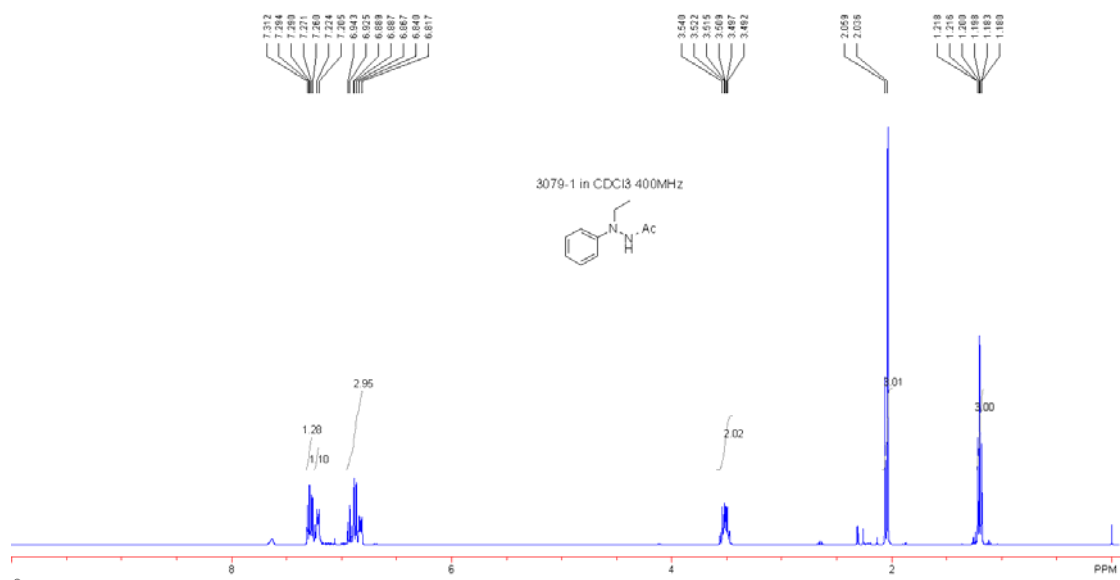


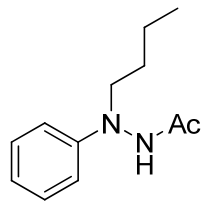
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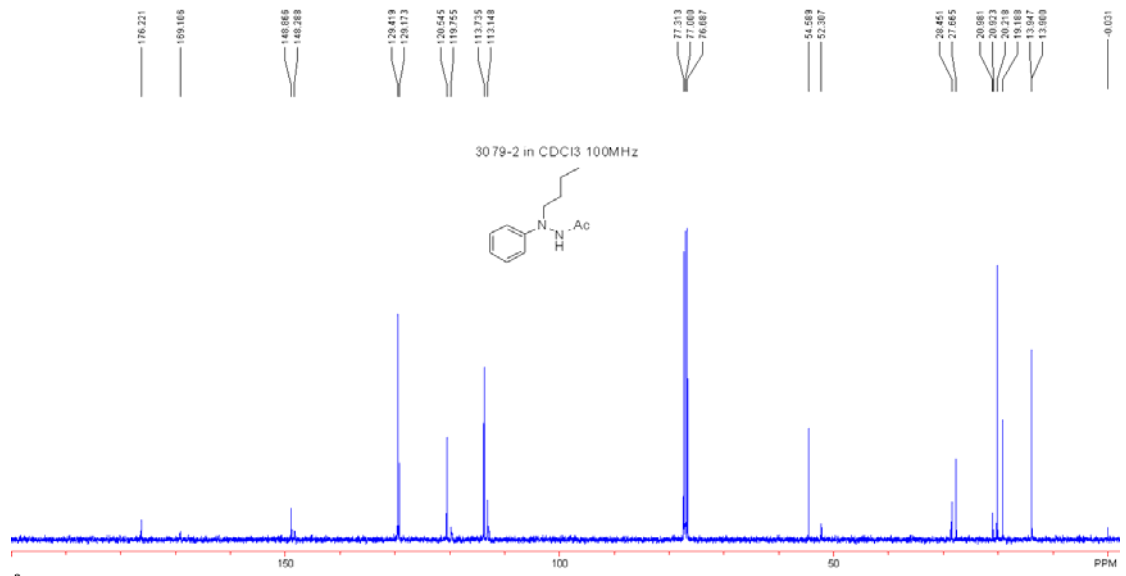
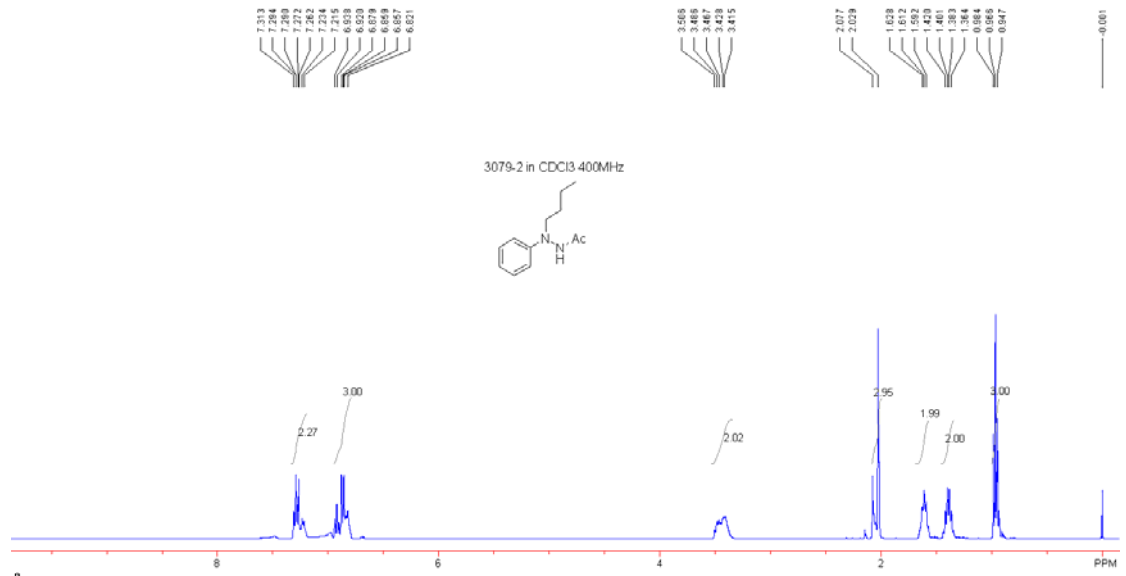


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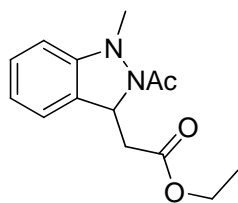




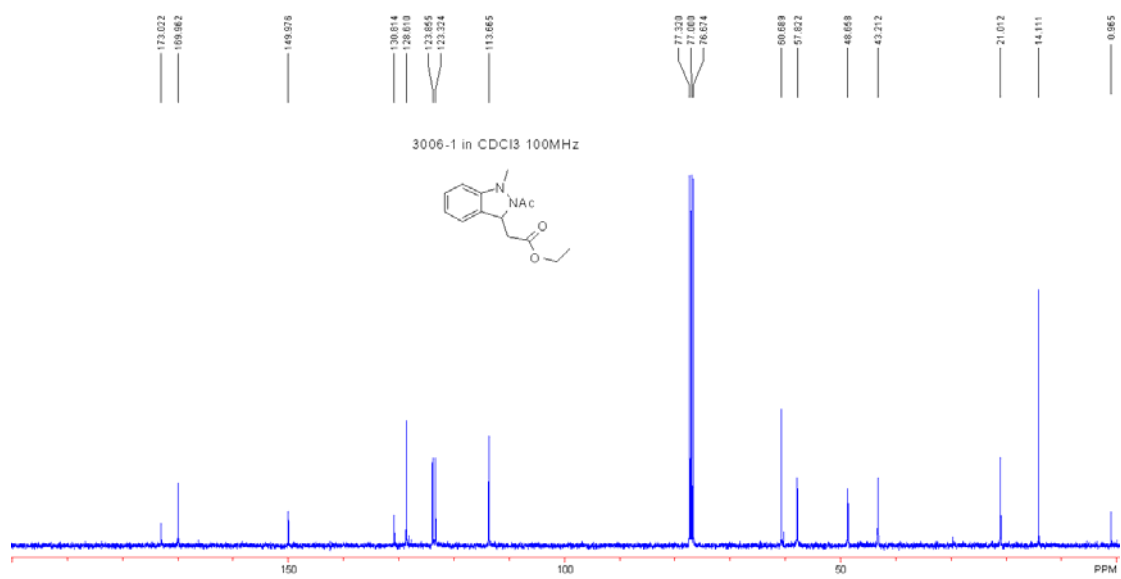
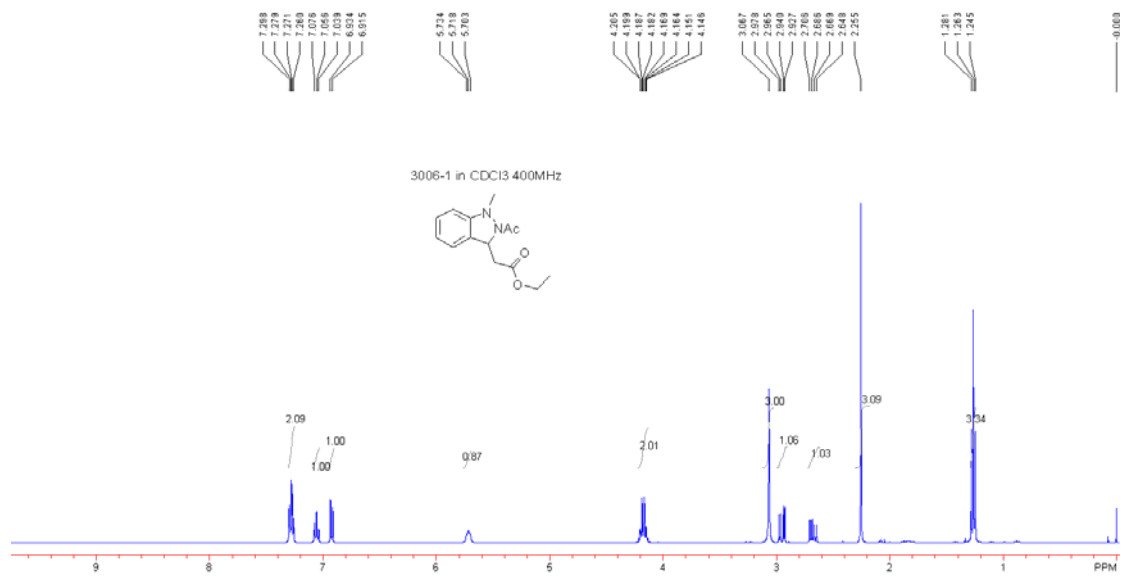
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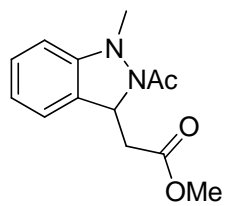


## 2. $^1\text{H}$ NMR and $^{13}\text{C}$ NMR spectra of the products

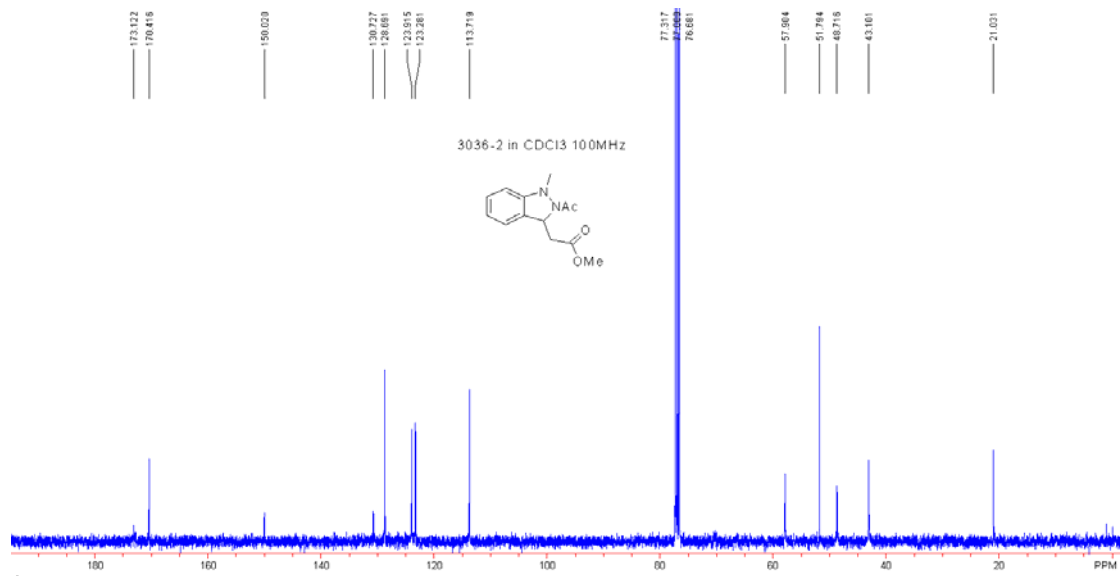
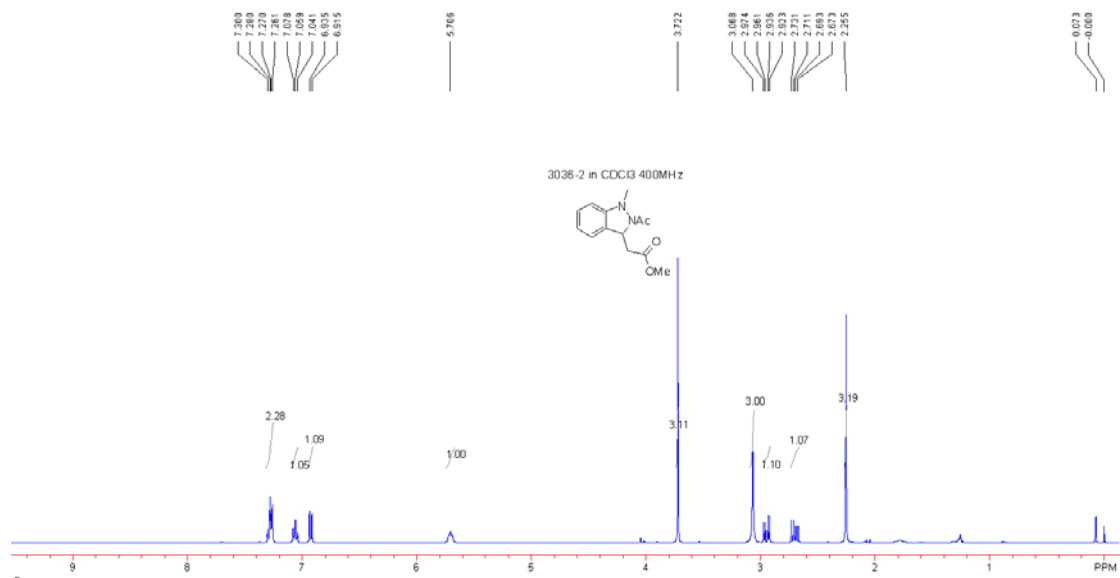


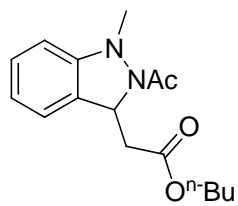
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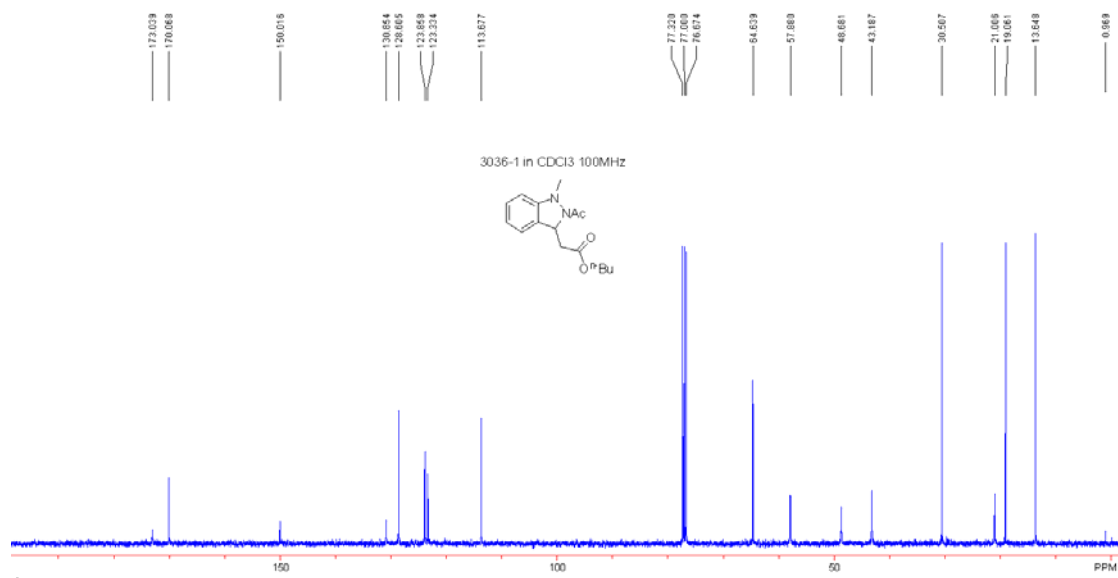
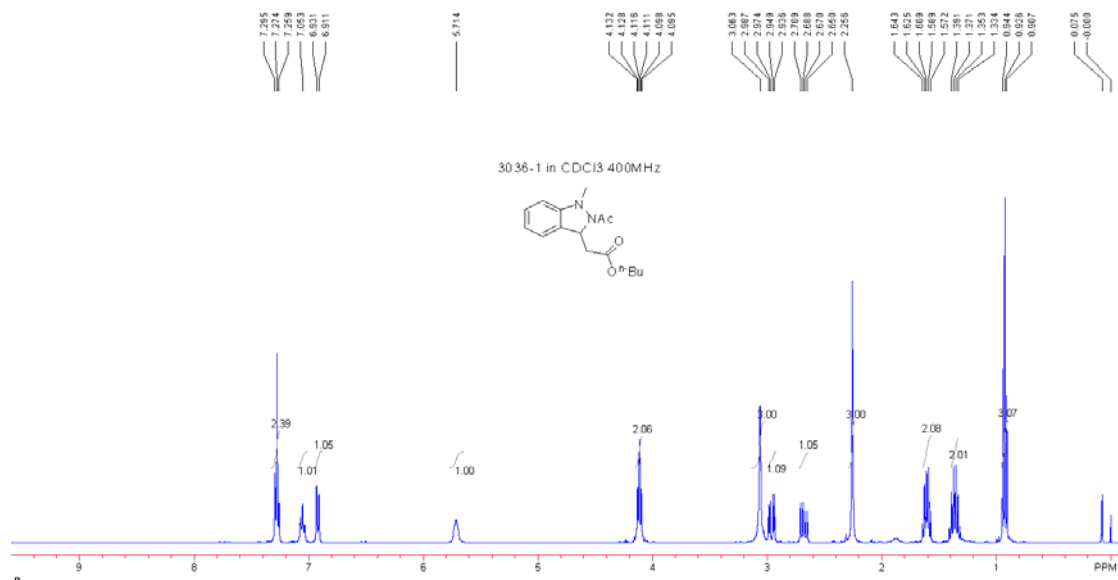


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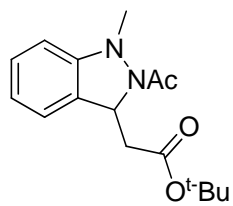




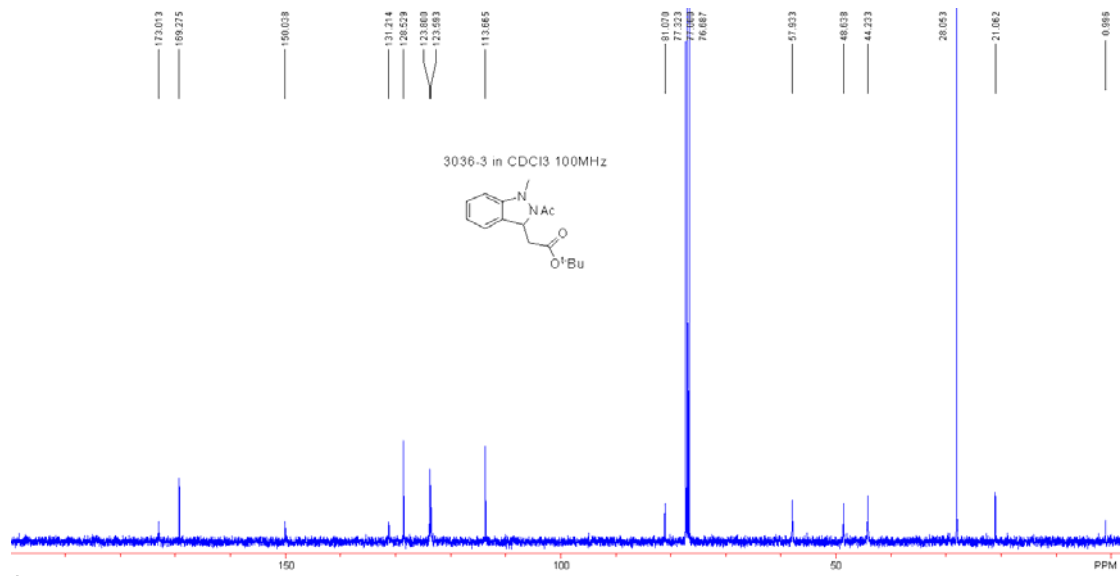
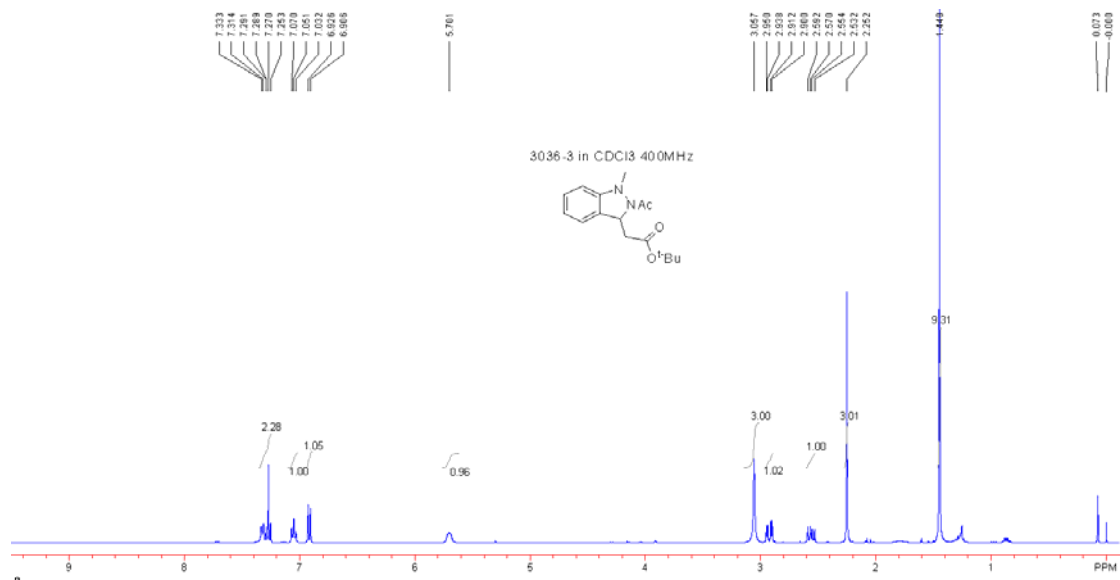
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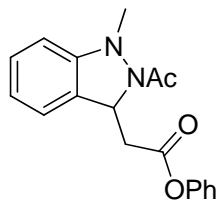




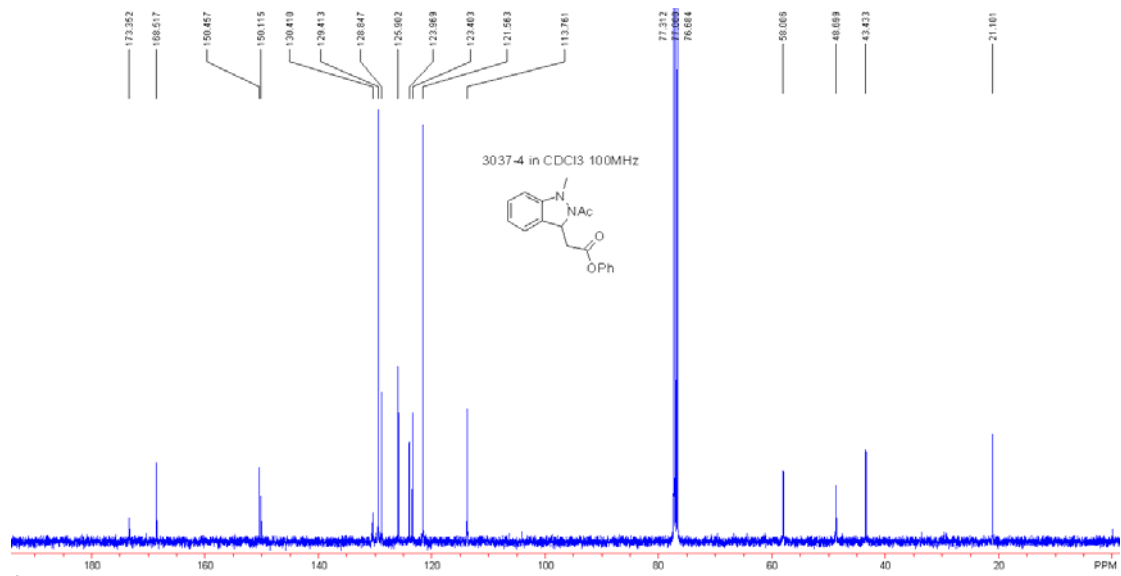
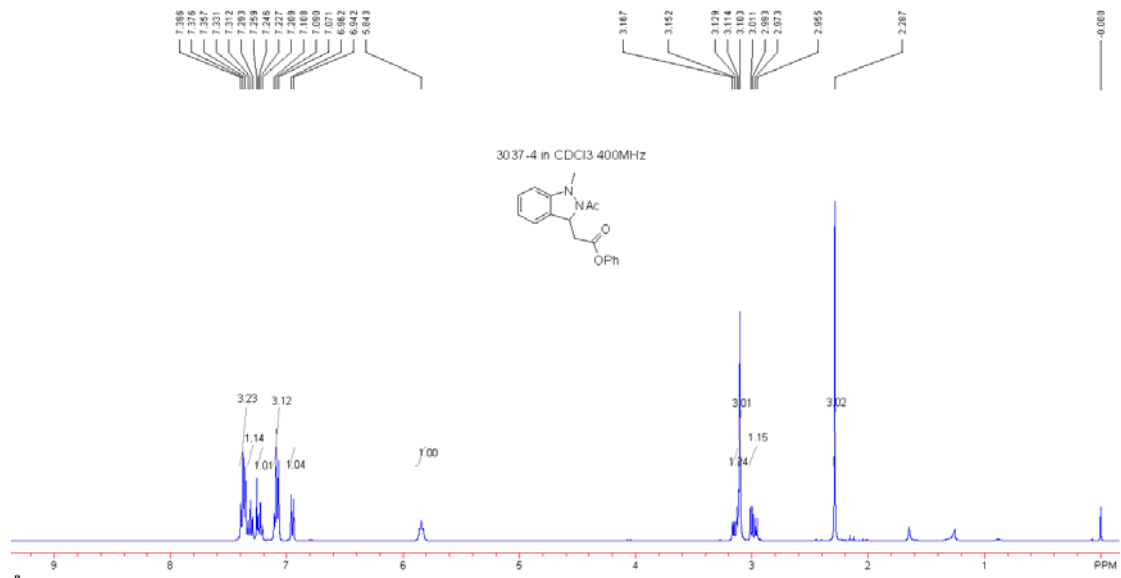


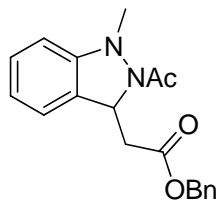
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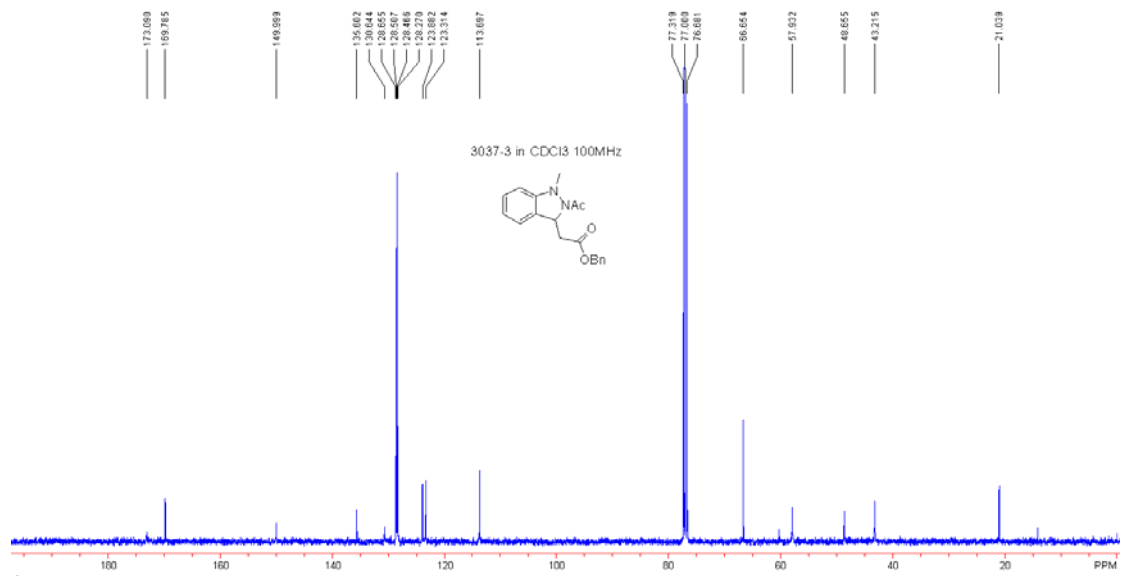
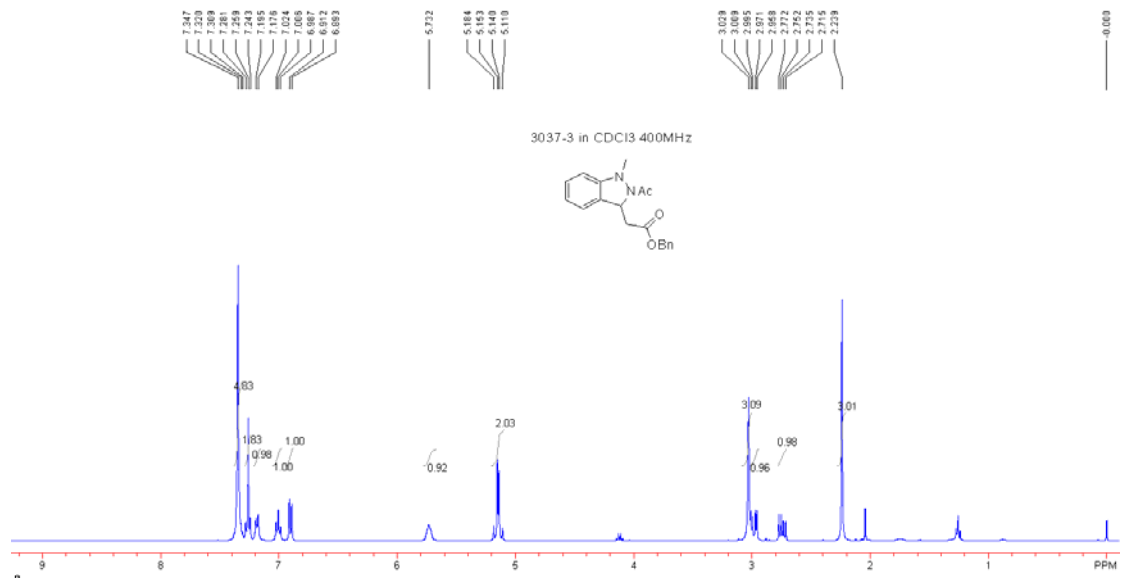


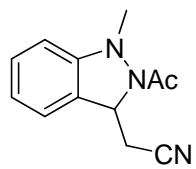
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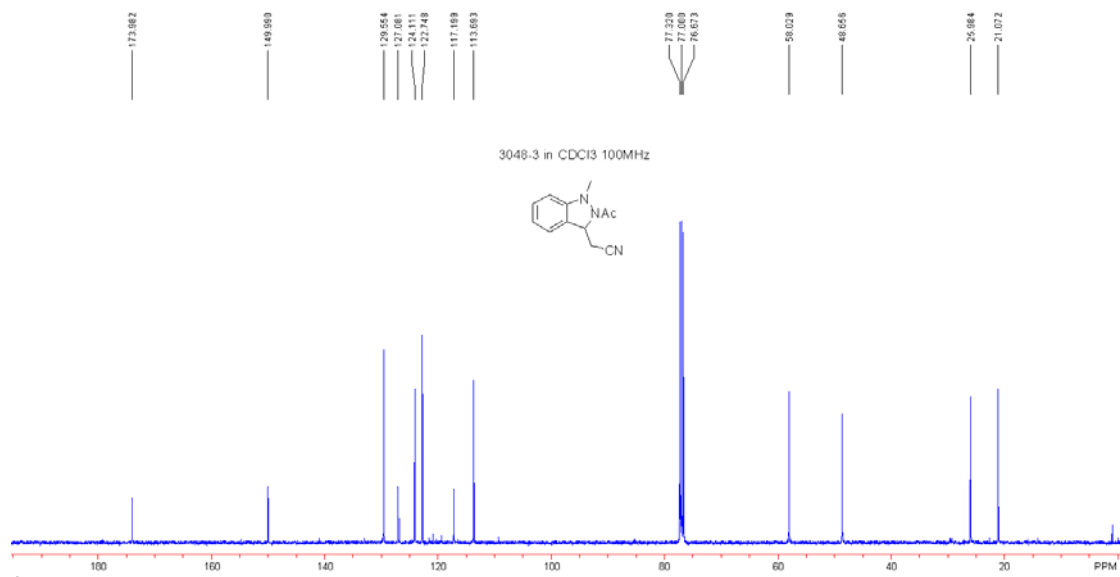
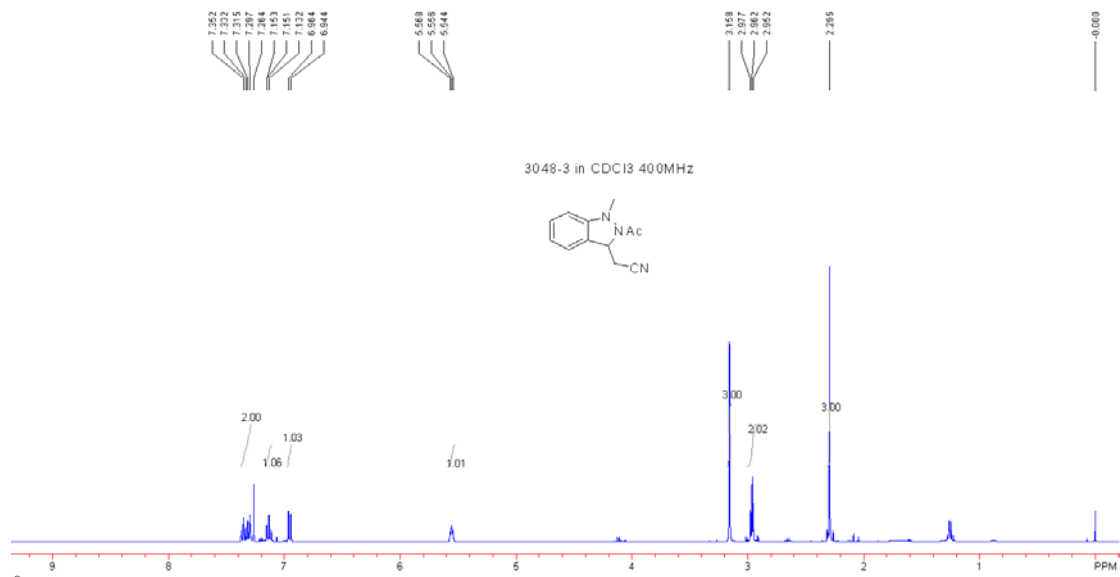


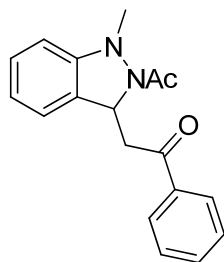
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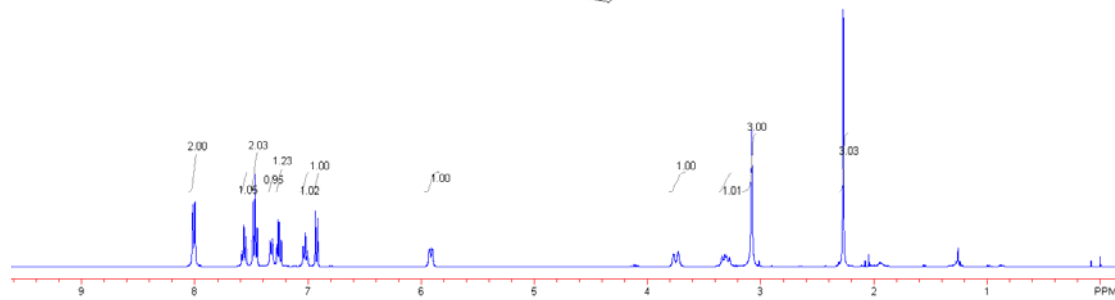
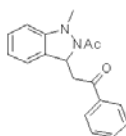




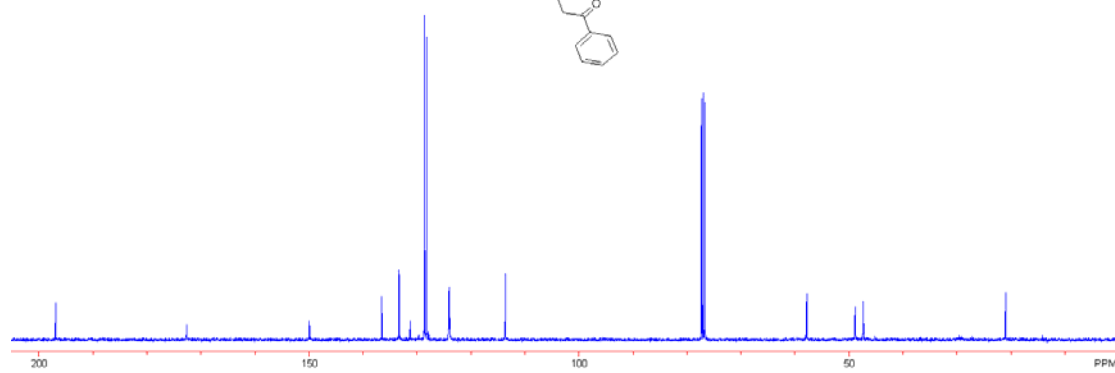
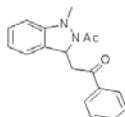
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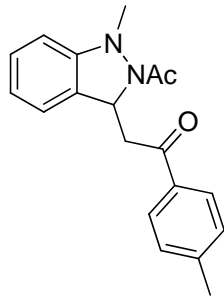


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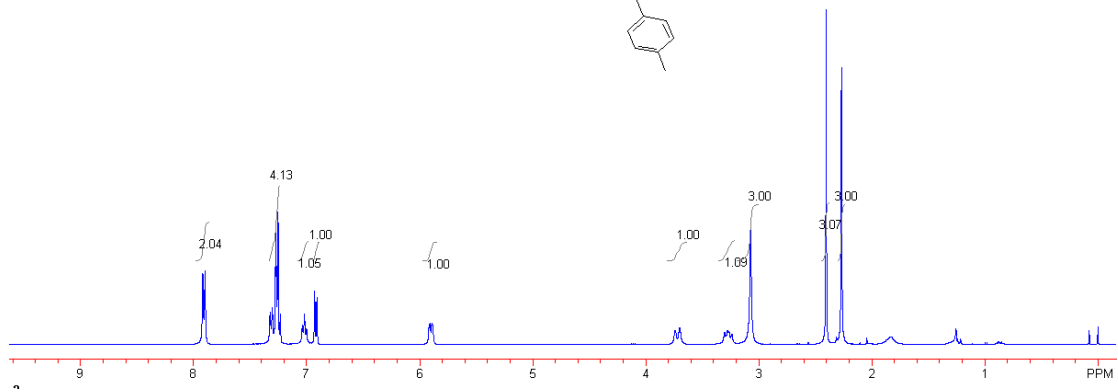
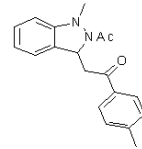




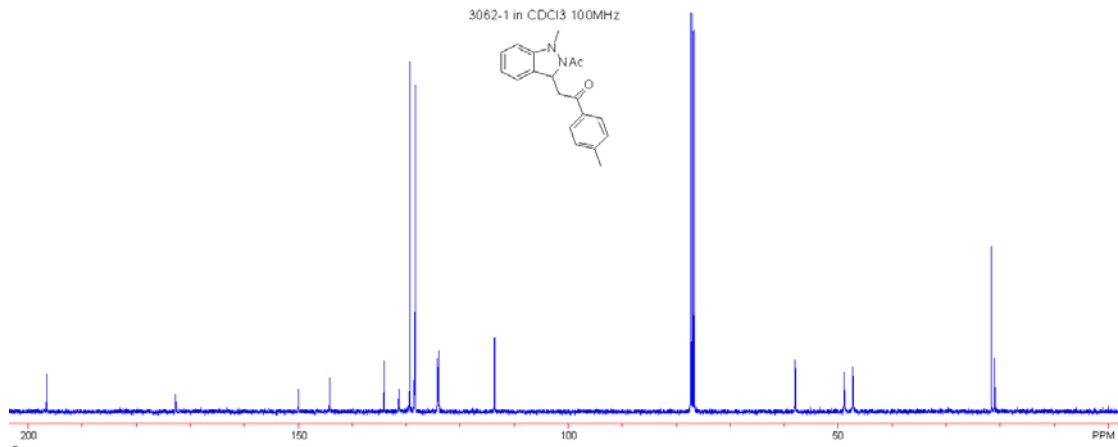
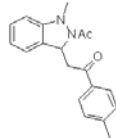
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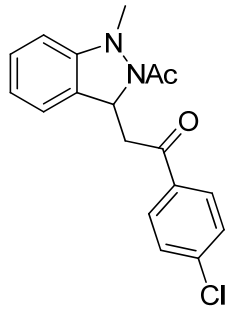


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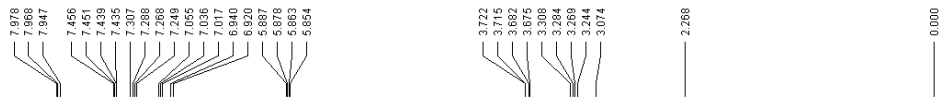


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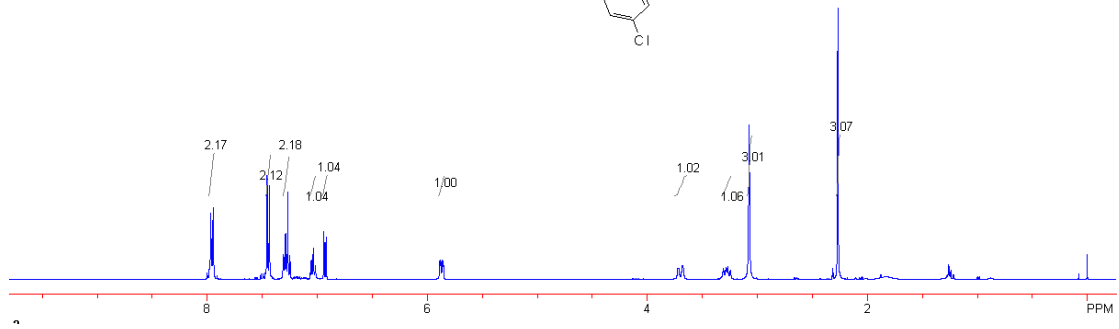
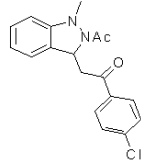




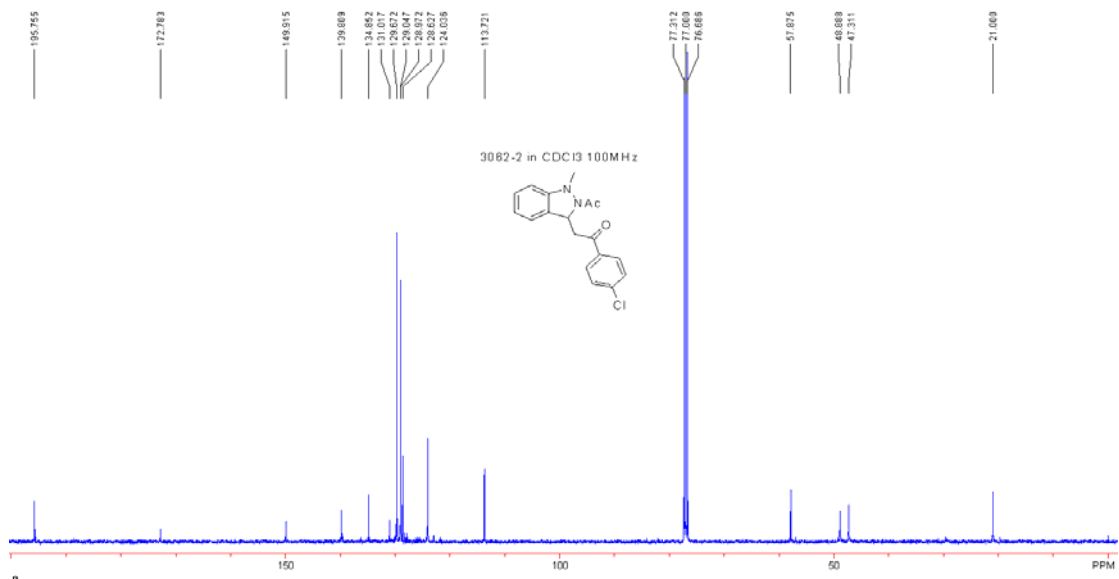
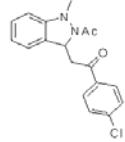
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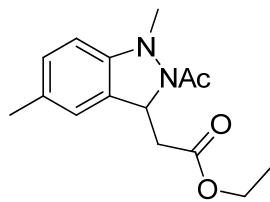


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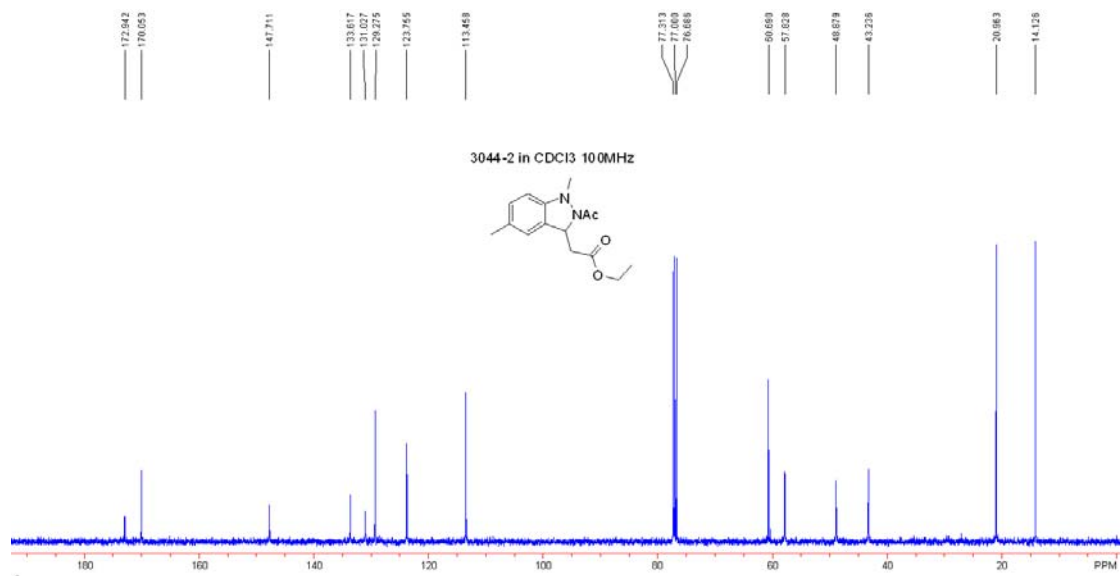
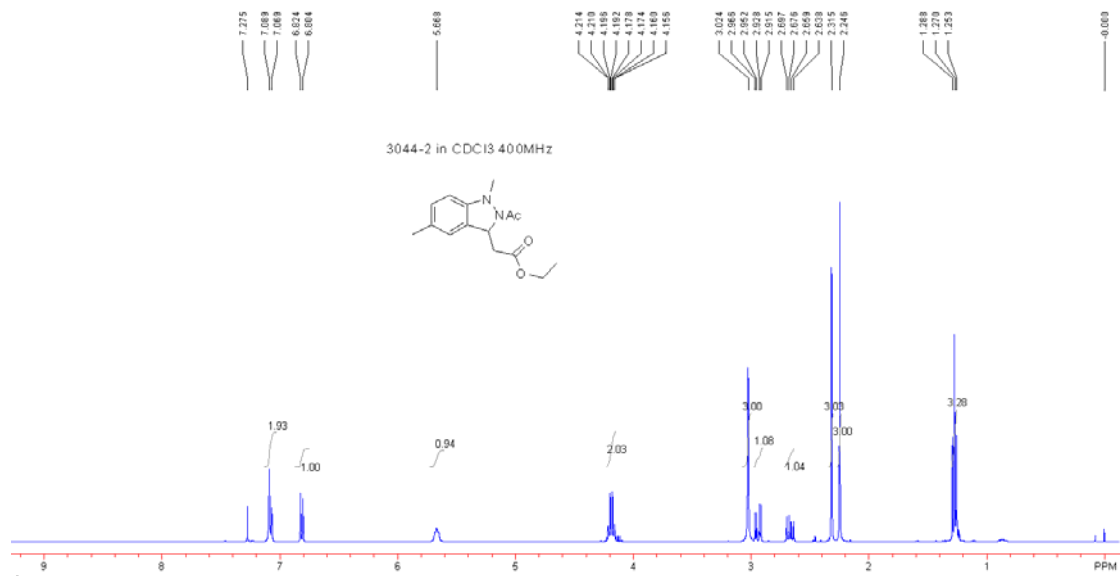


3062-2 in CDCl3 100MHz

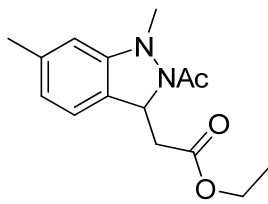




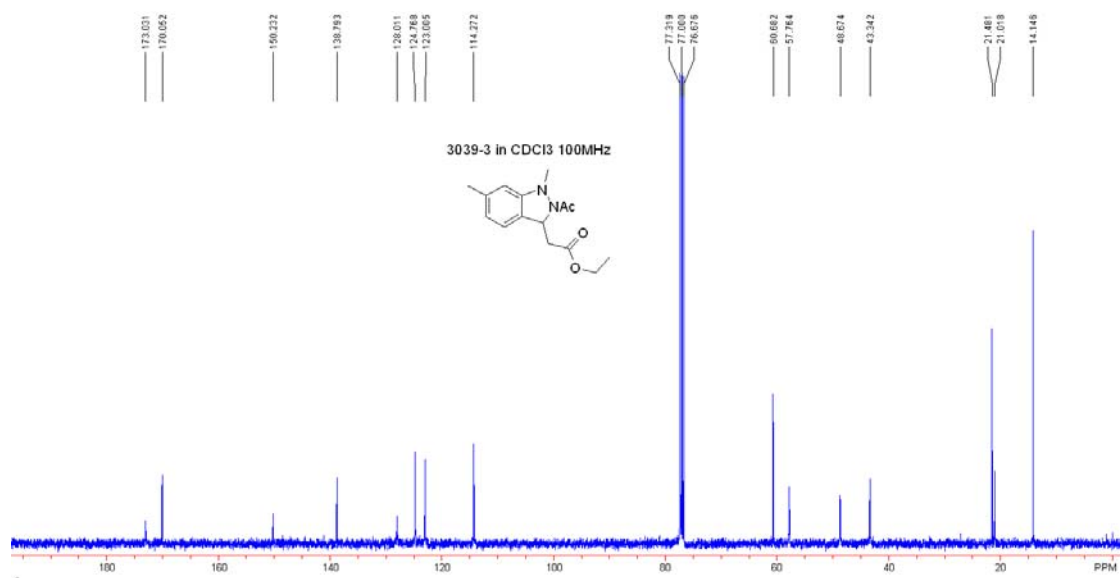
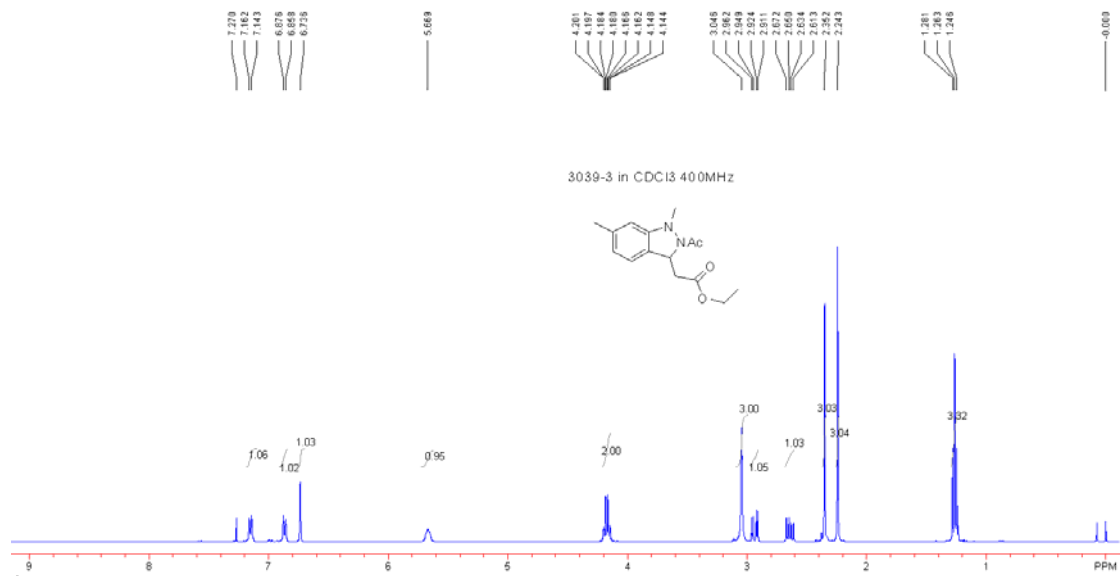
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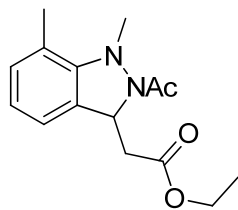






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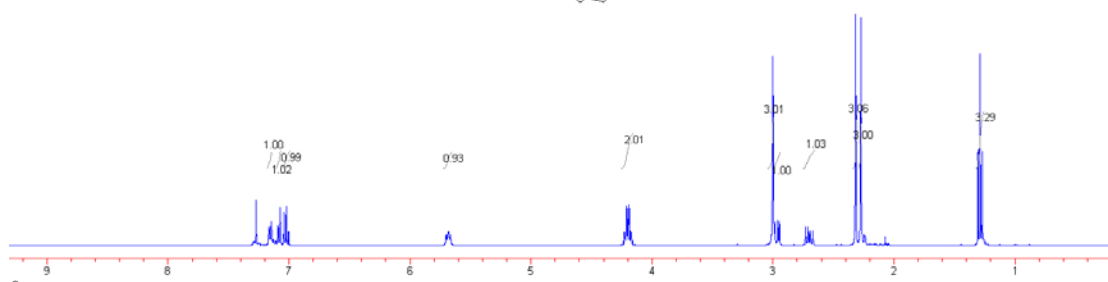
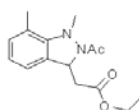




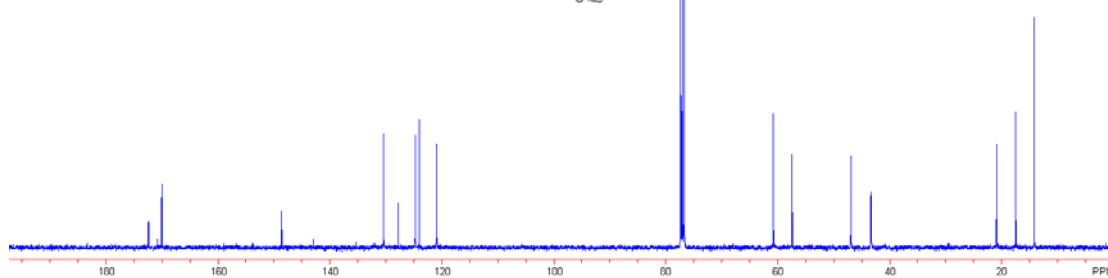
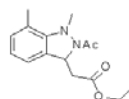
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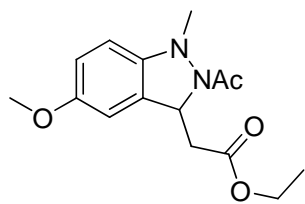


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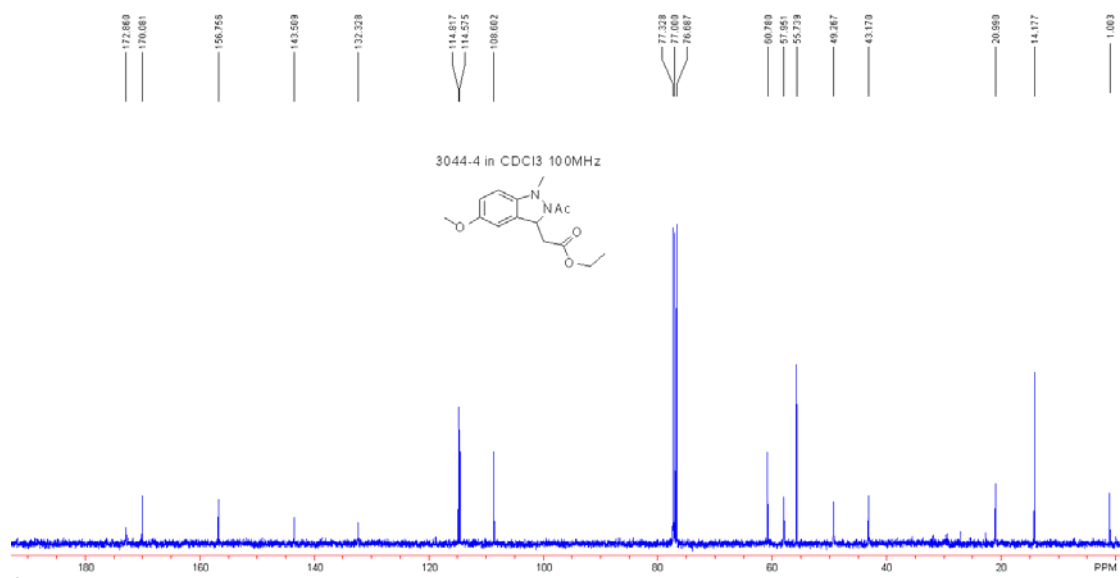
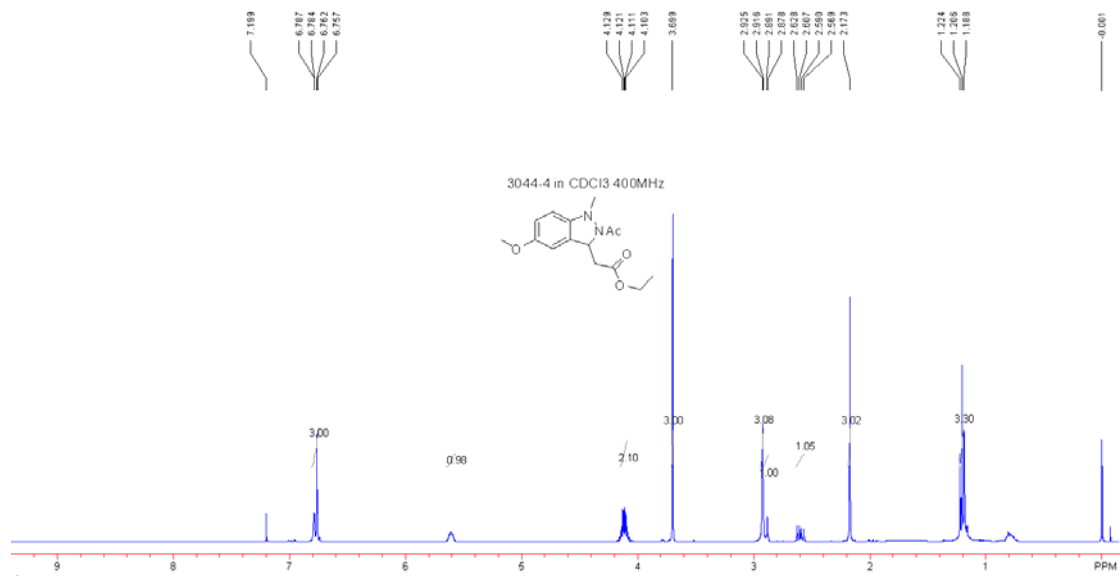


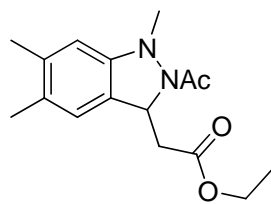
3061-1 in CDCl3 100MHz



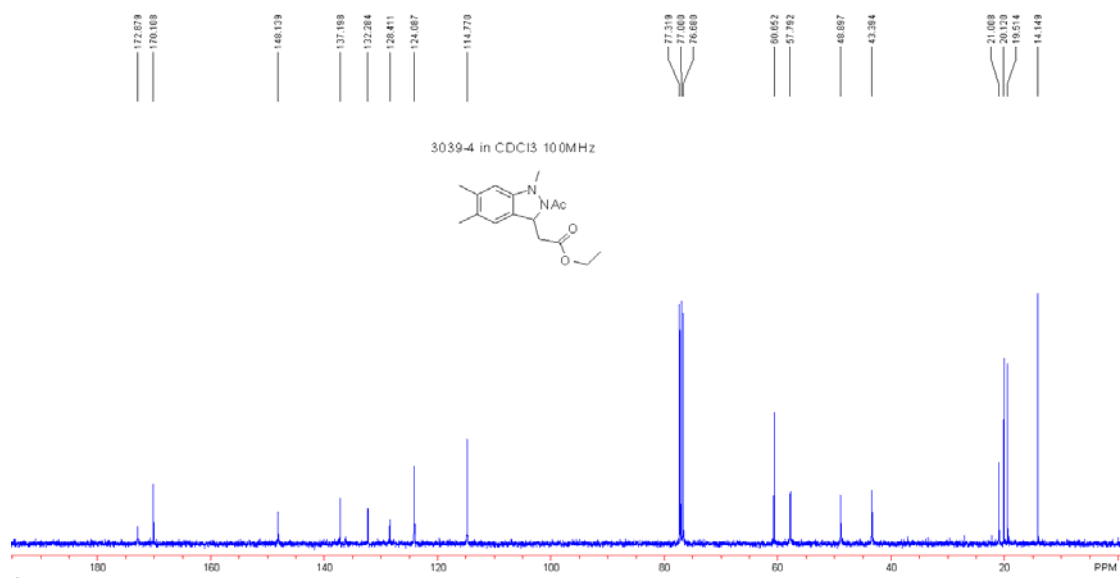
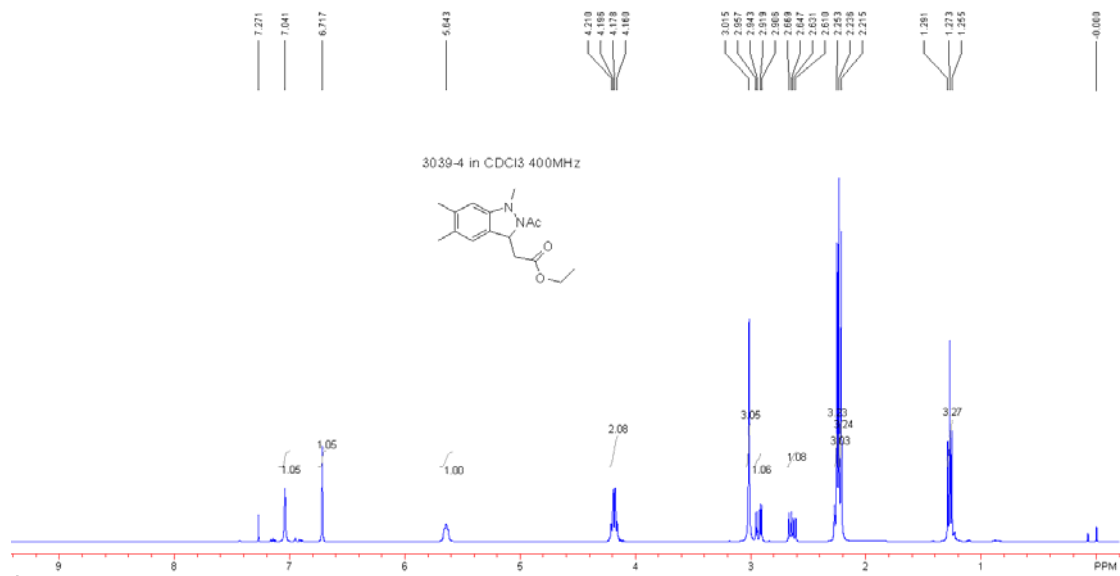


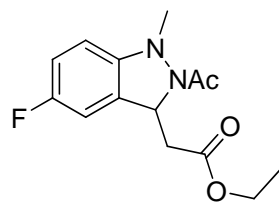
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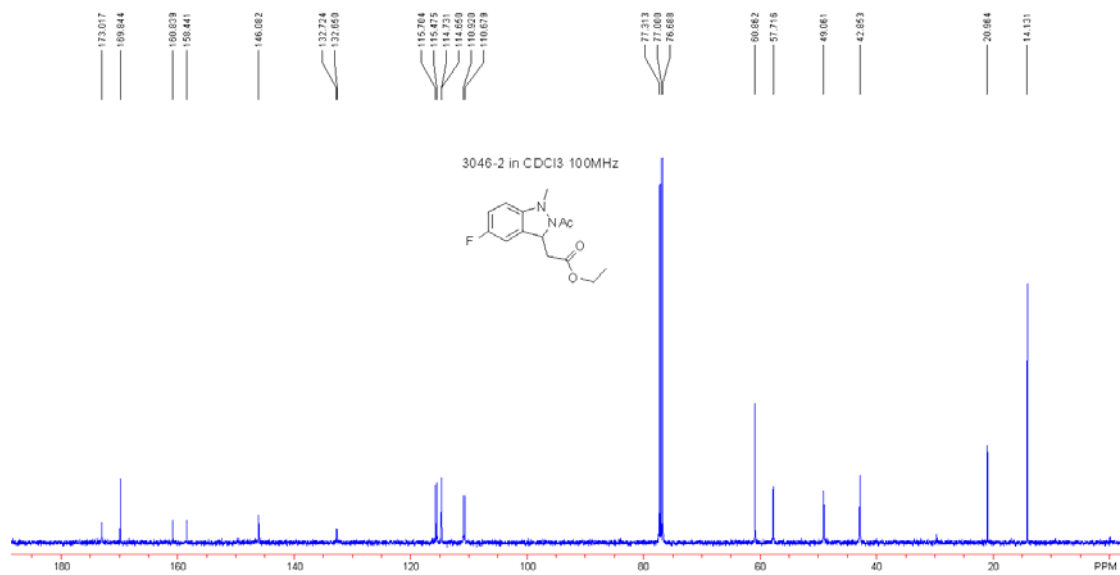
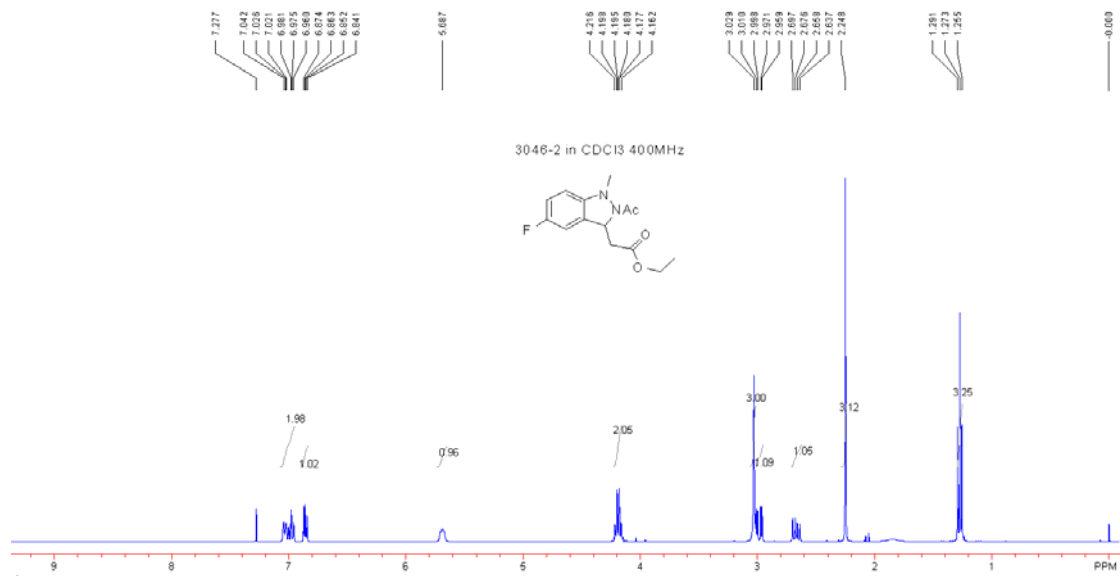


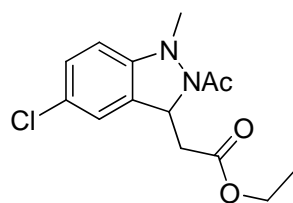
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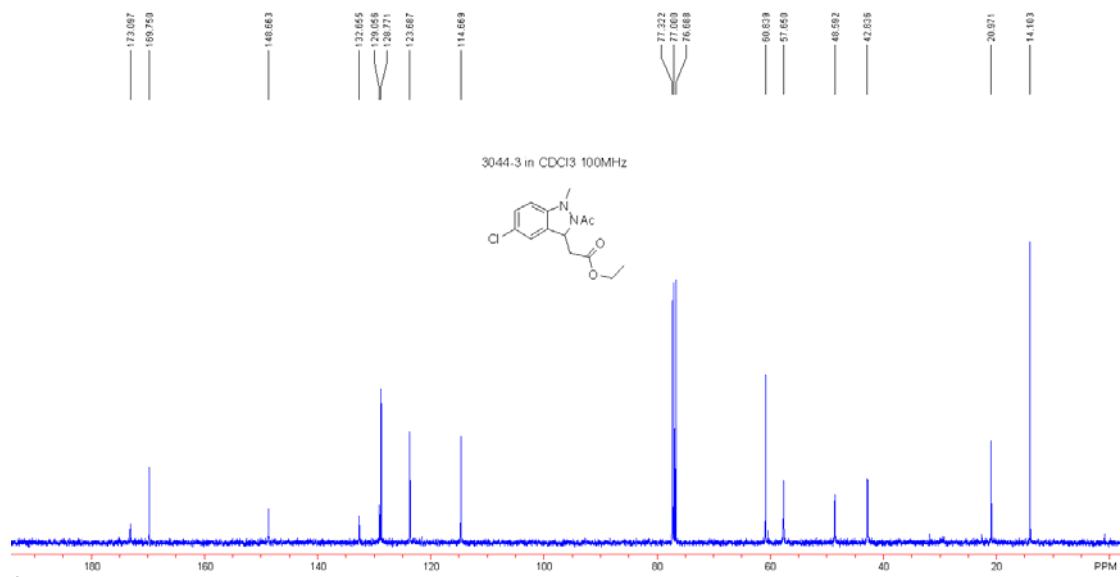
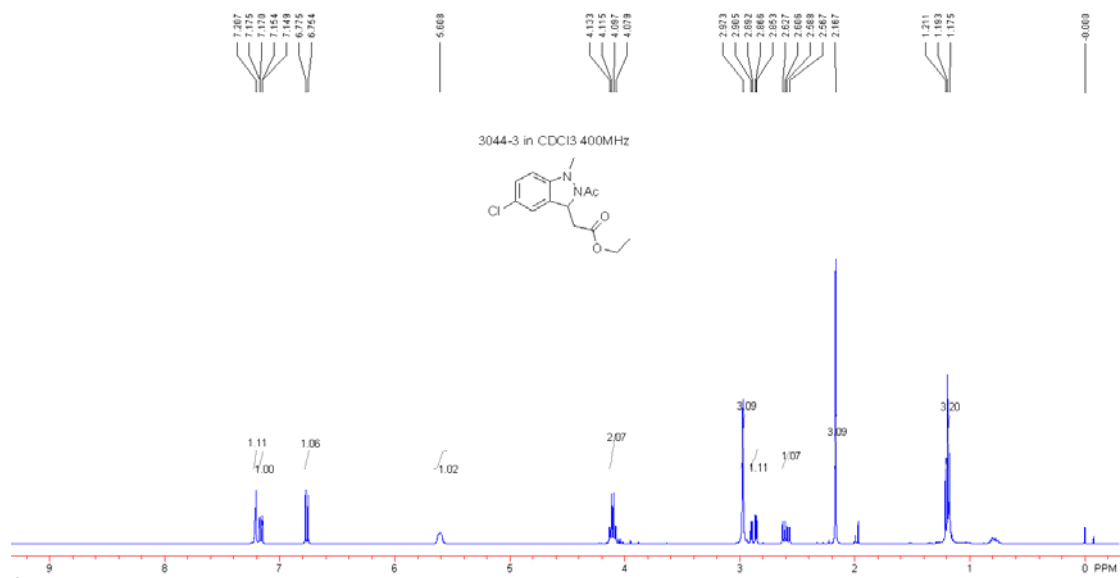


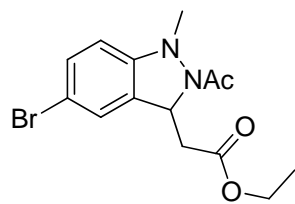
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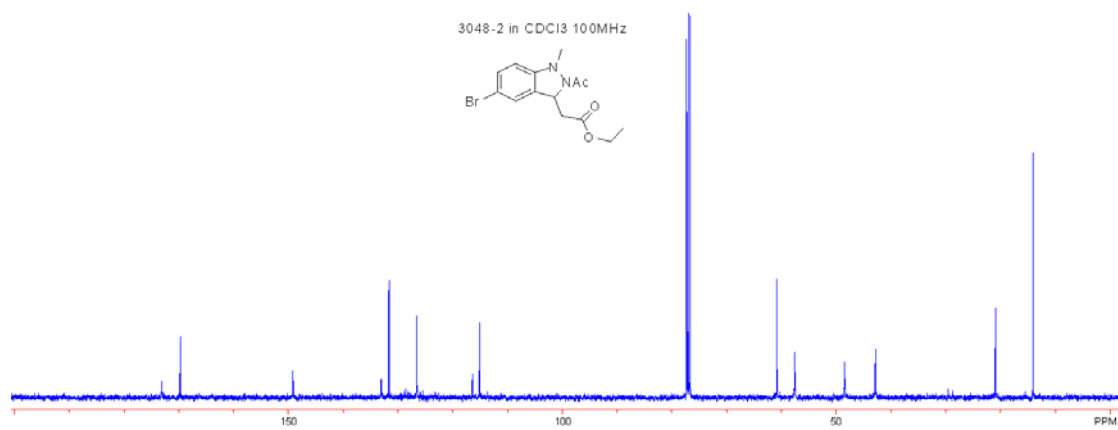
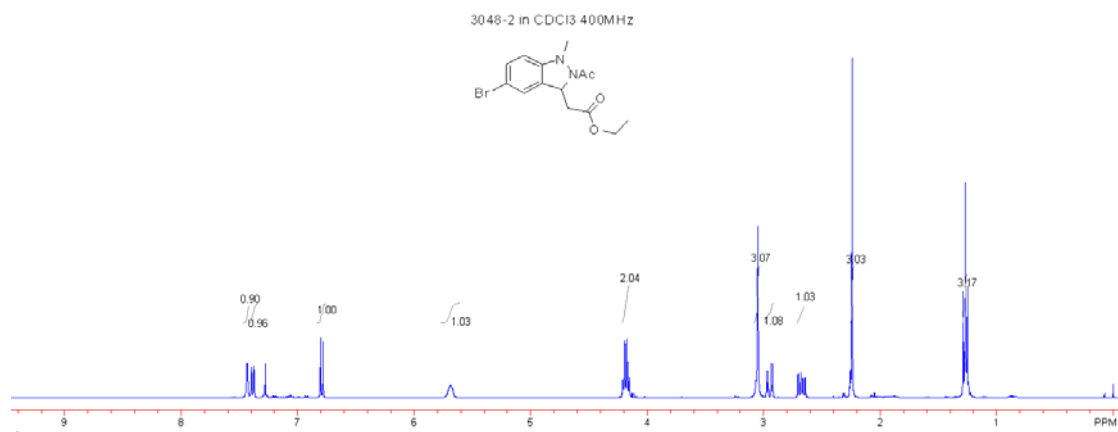


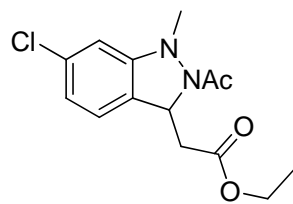
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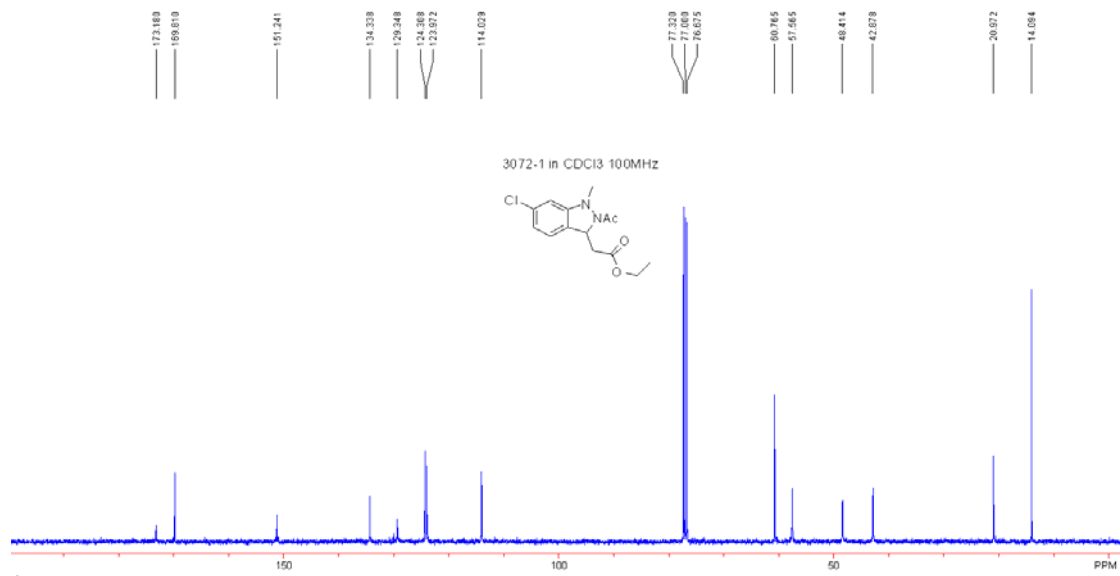
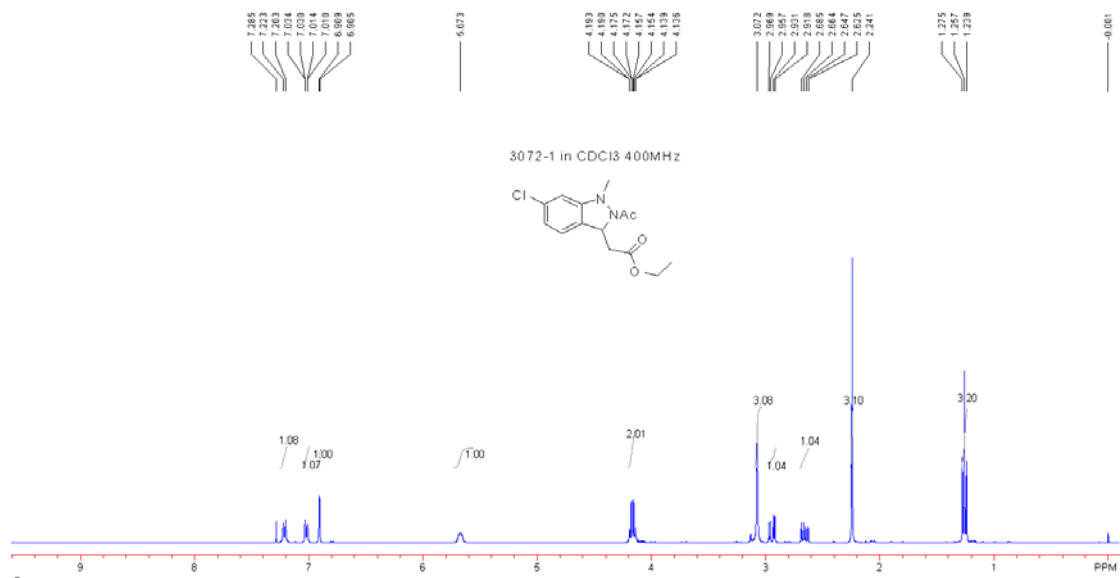


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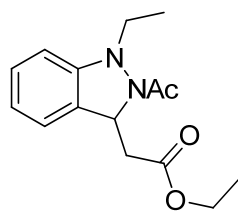




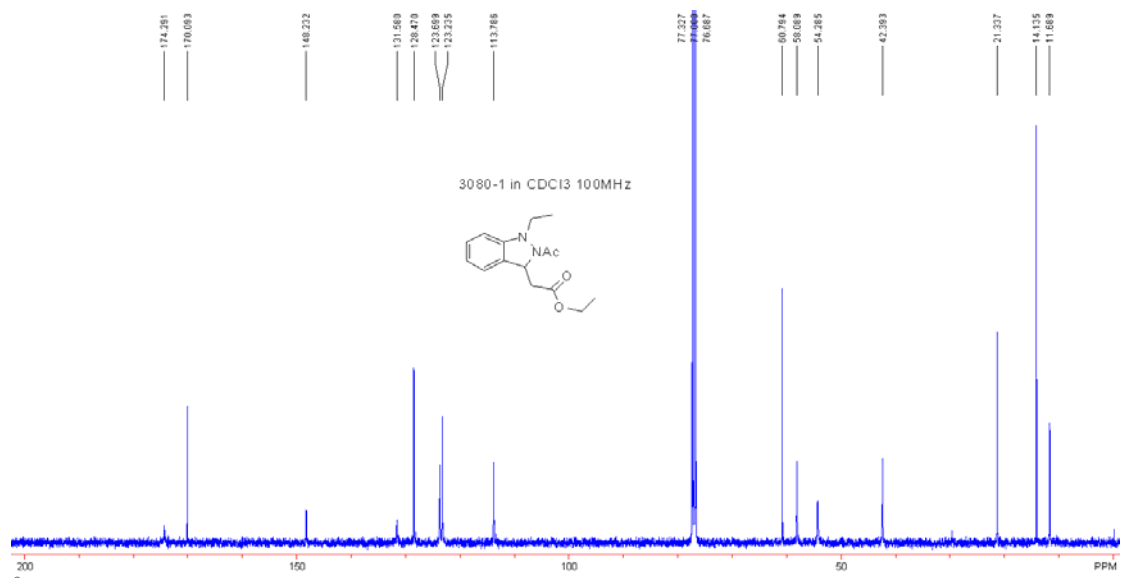
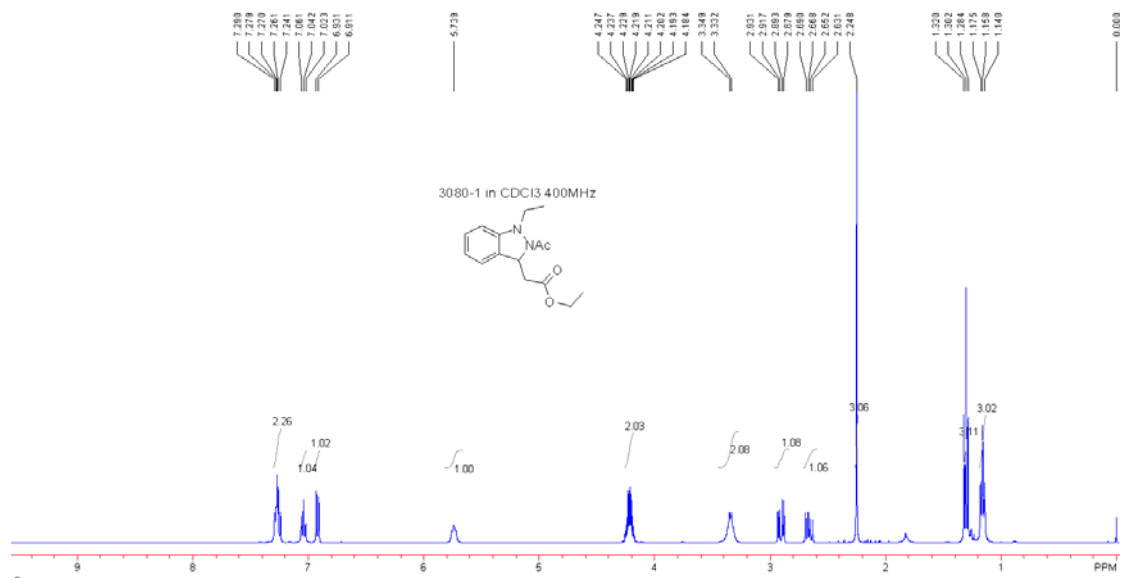
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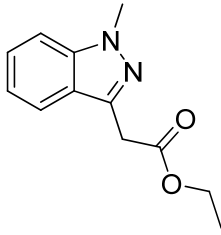




3ka







4a

