

Supporting Information

Green synthesis of New Pyrrolidine-Fused Spirooxindole Derivatives via Three-Component Domino Reaction in EtOH/H₂O

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^c*School of Chemical Science and Technology, Yunnan University, Kunming 650091, PR China*

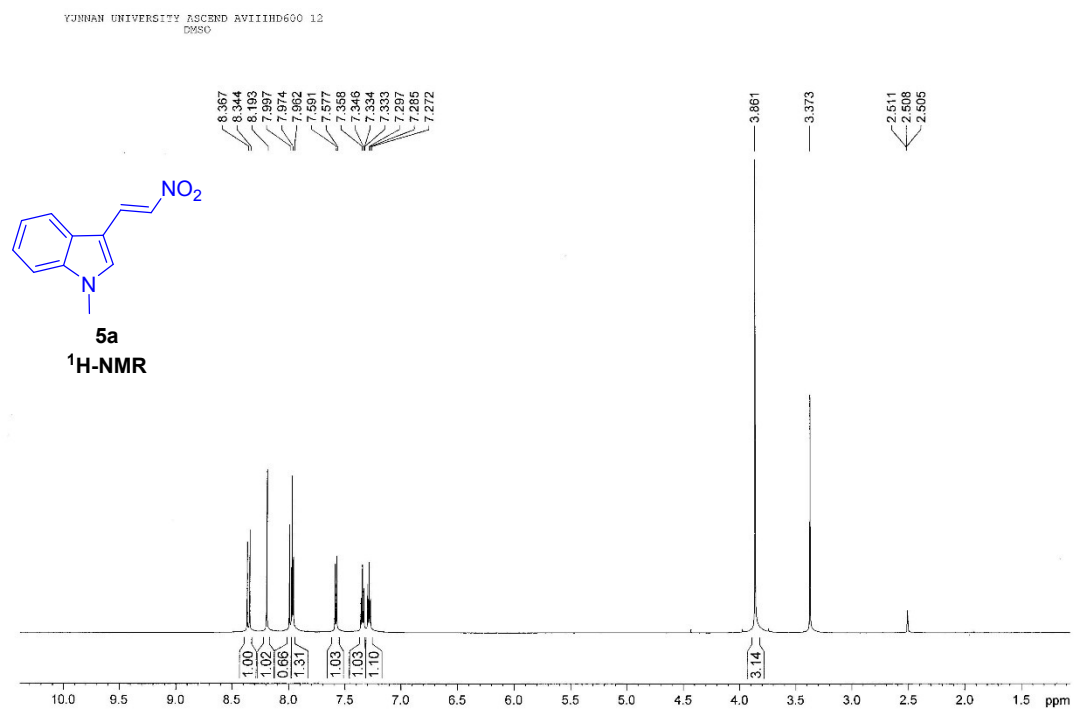
^d*Department of Biology, College of Letters & Sciences, Columbus State University, University System of Georgia, Columbus, GA, USA.*

^e*Gold Catalysis Research Center, State Key Laboratory of Catalysis, Dalian Institute of Chemical Physics, Chinese Academy of Sciences, Dalian 116023, PR China.*

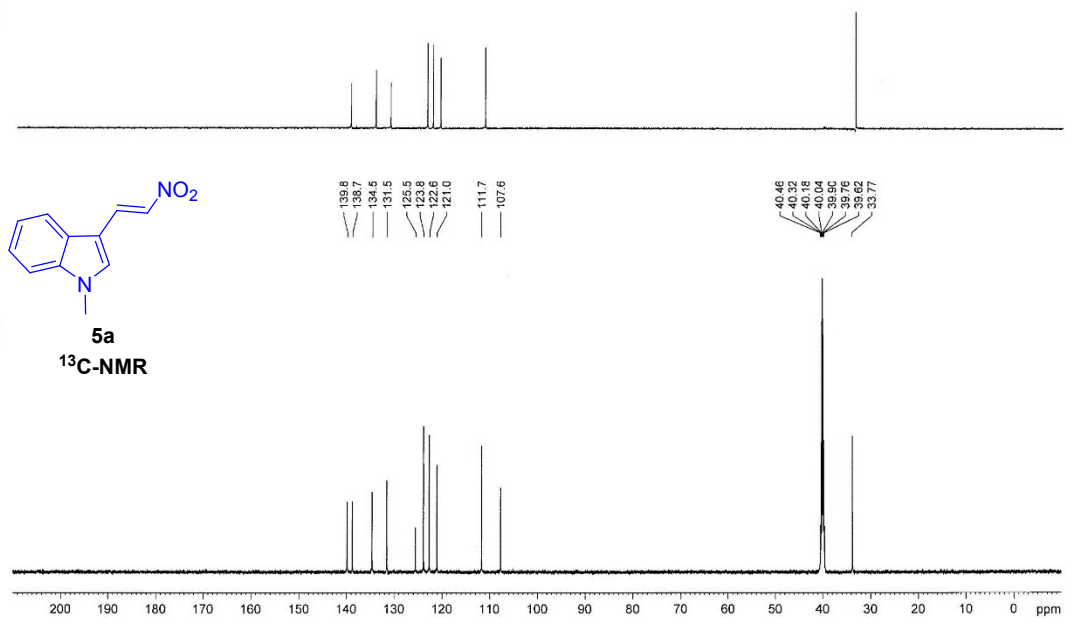
* Corresponding authors. E-mail: yongchaowang126@126.com; yanlijunhappy@126.com; orangekaka@126.com

1. ¹H and ¹³C NMR spectra for compounds 5a-5e.....	S2
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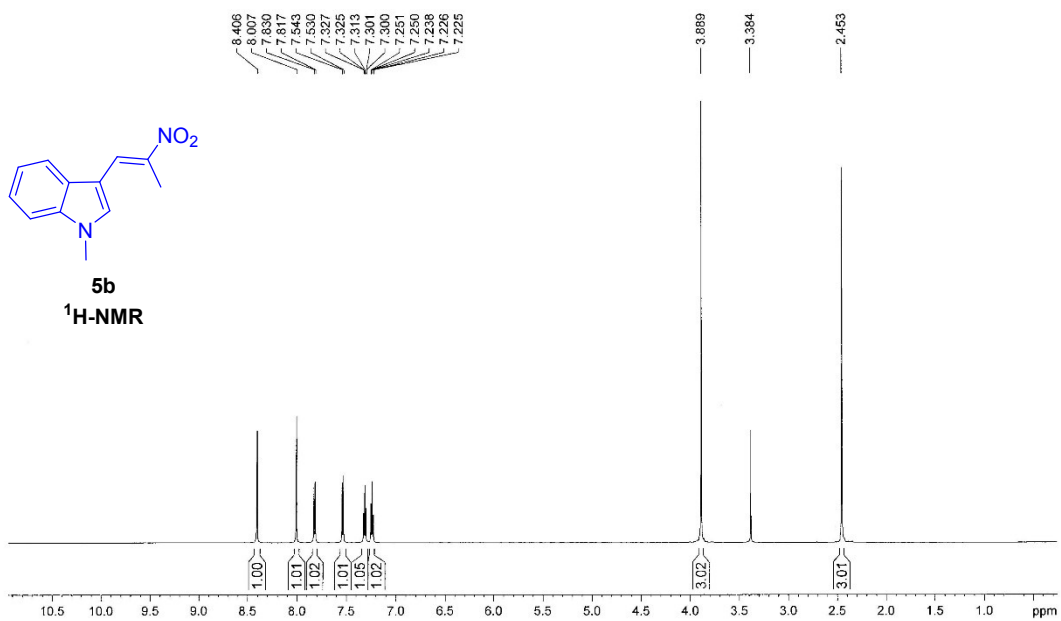
1. ^1H and ^{13}C NMR spectra for compounds 5a-5e.



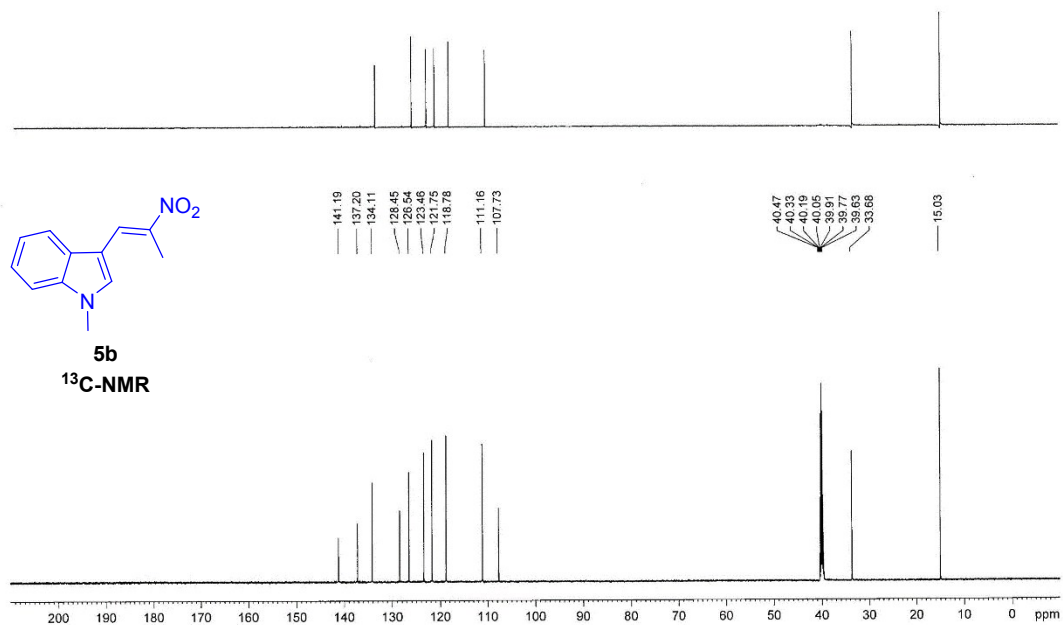
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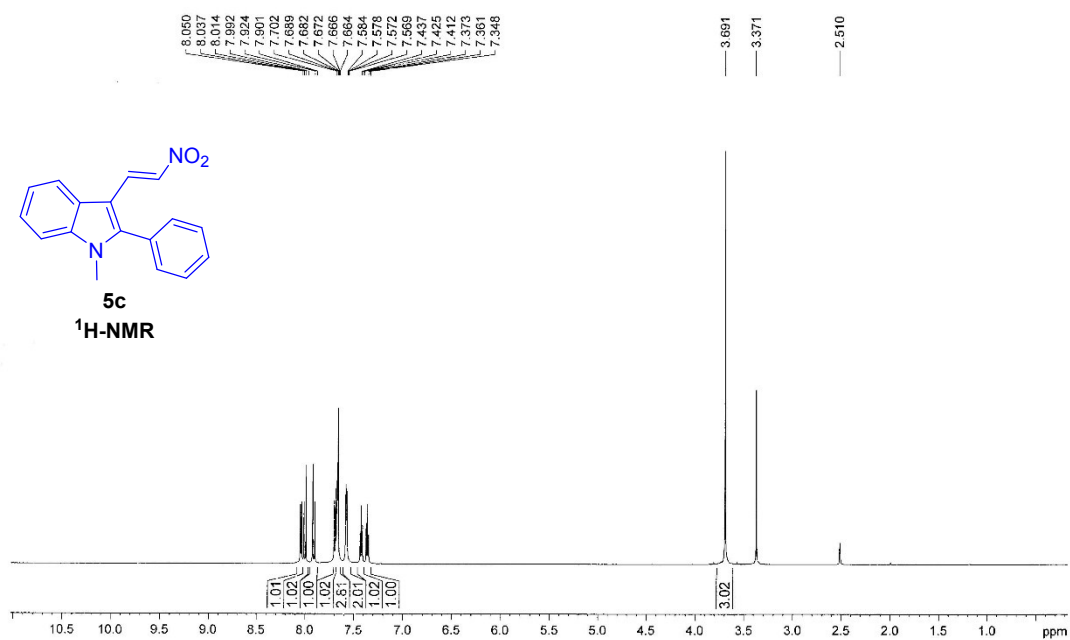
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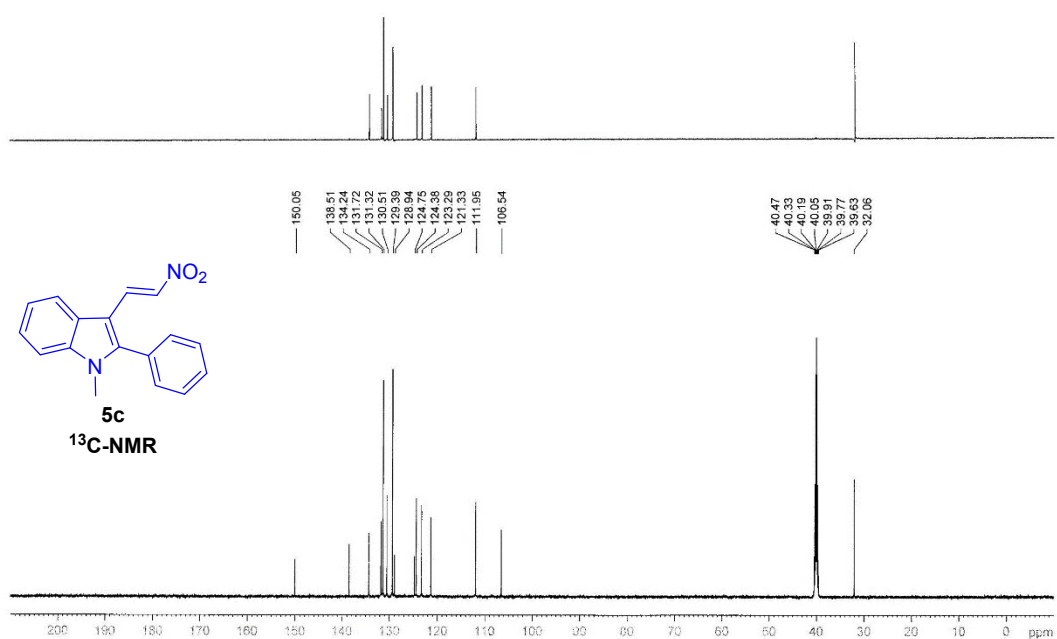
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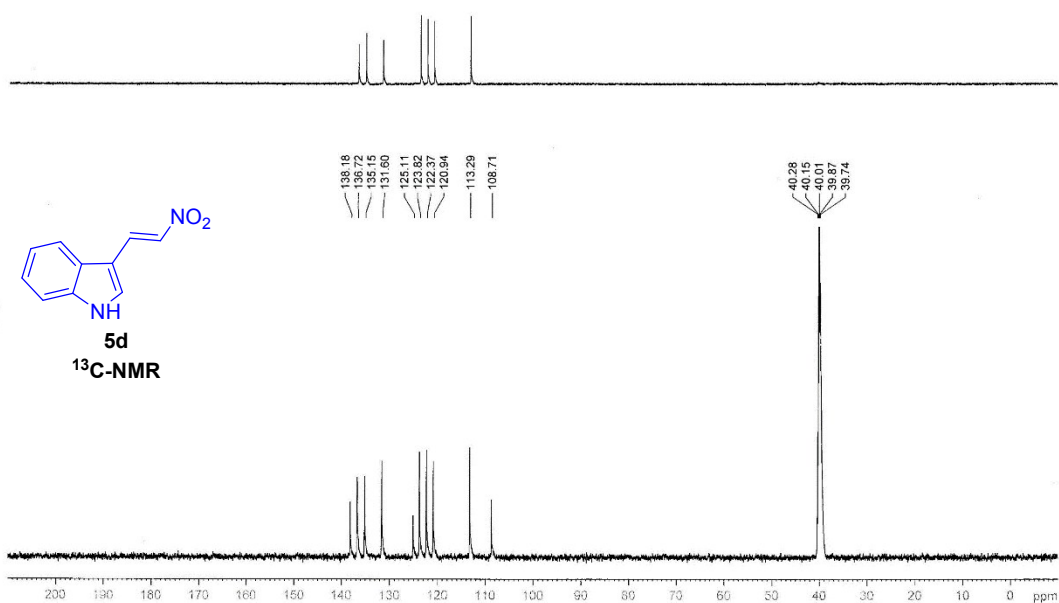
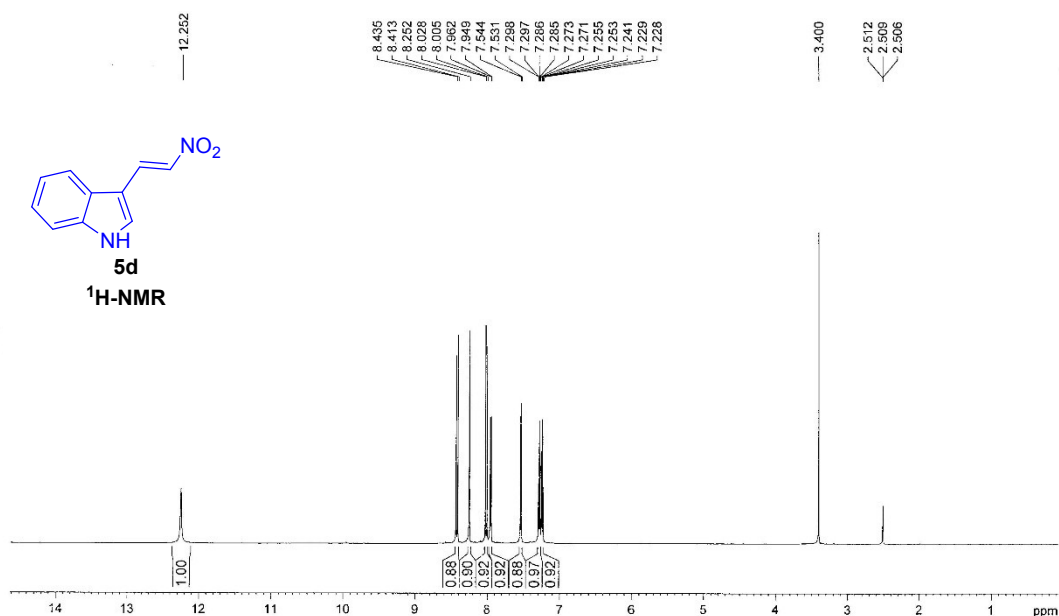


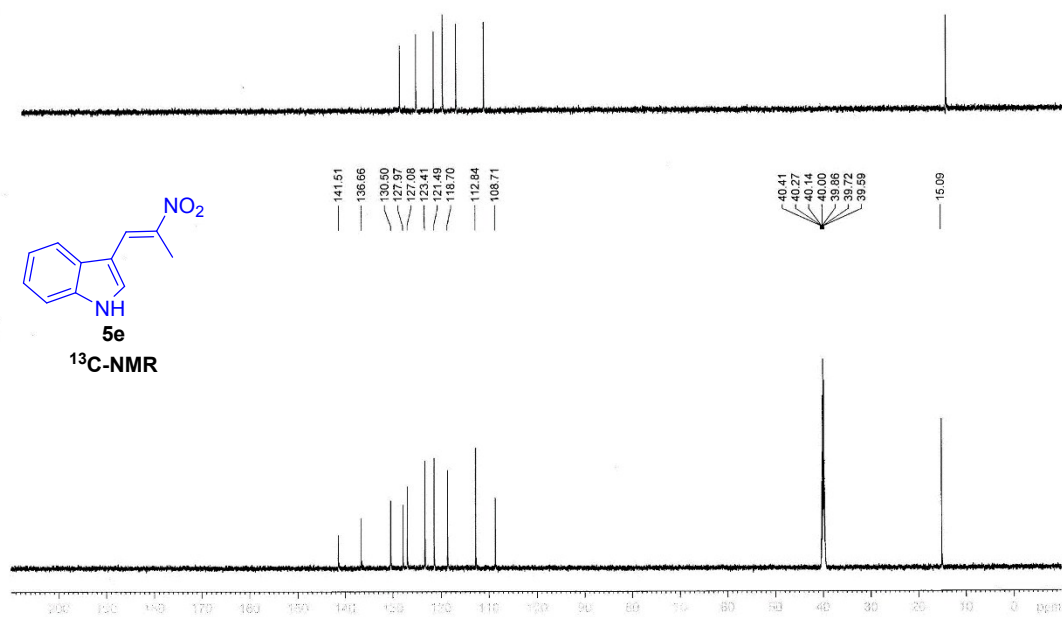
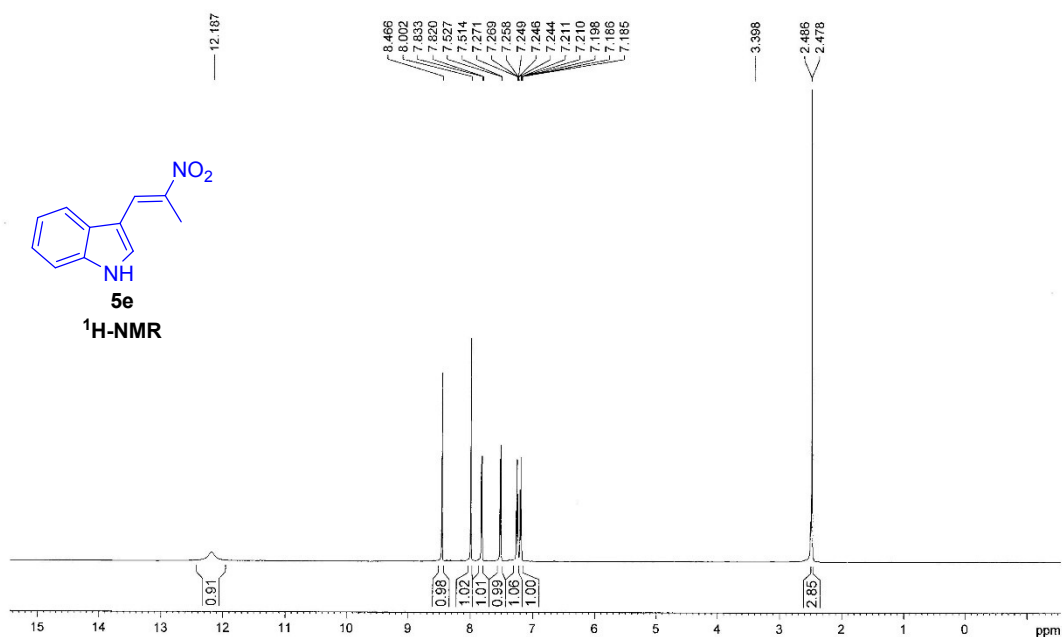
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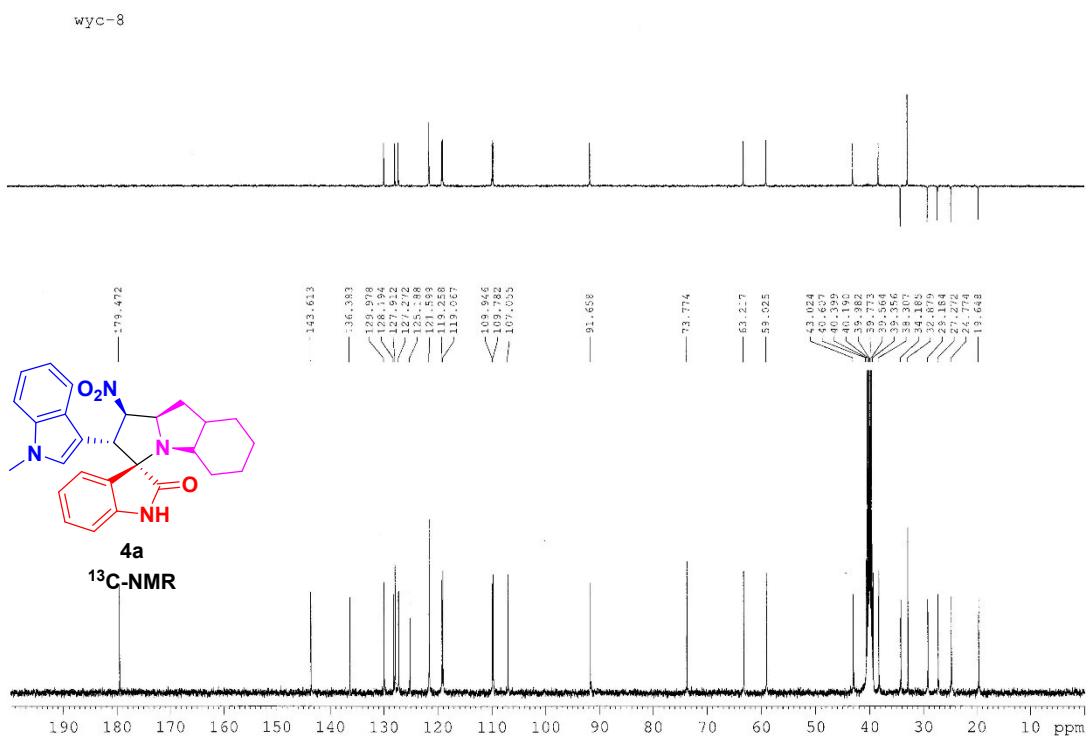
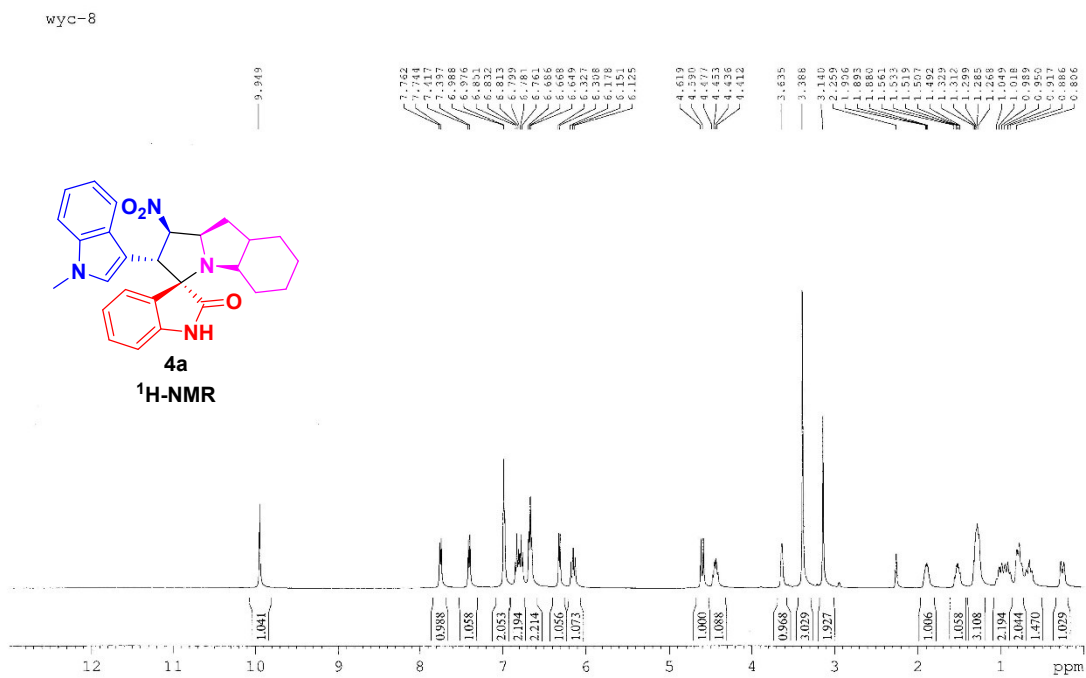
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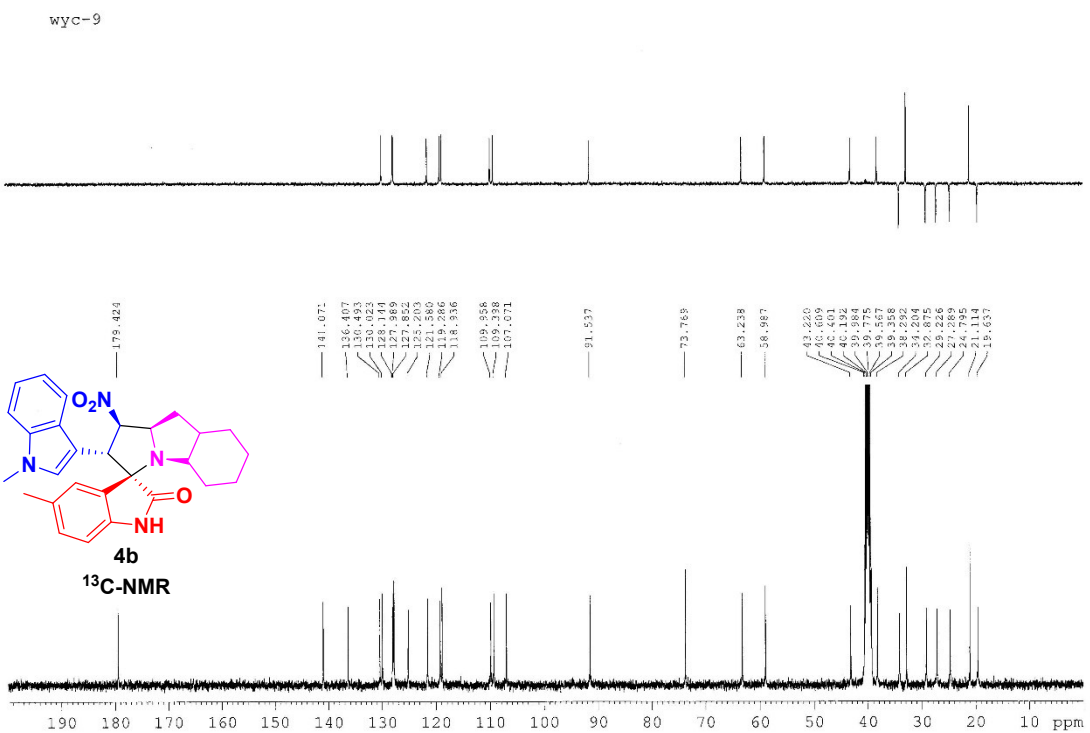
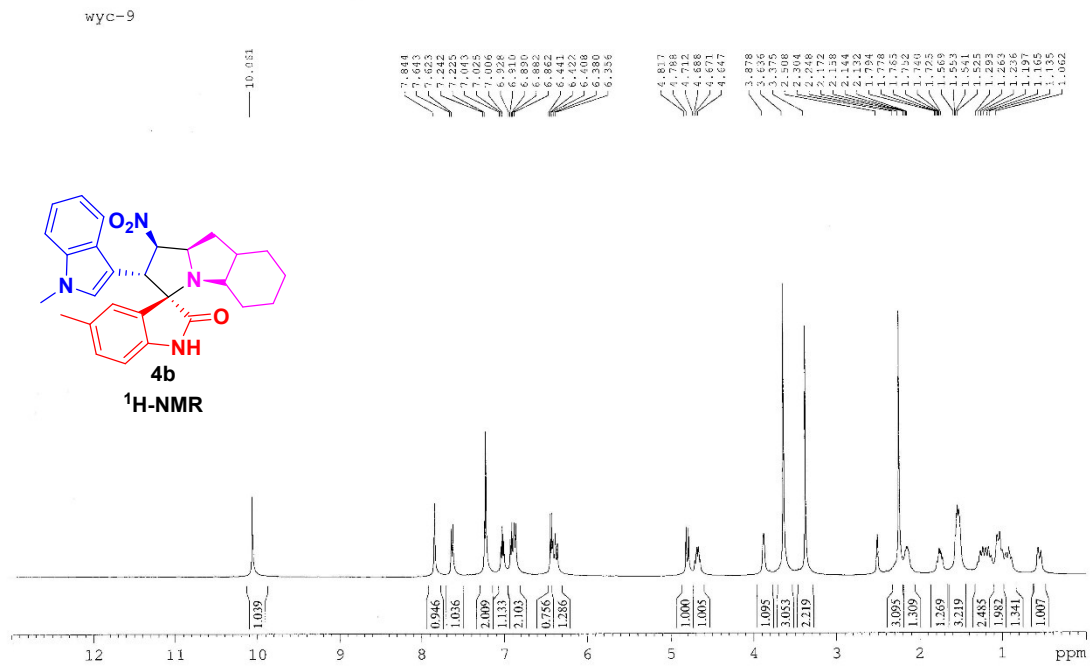




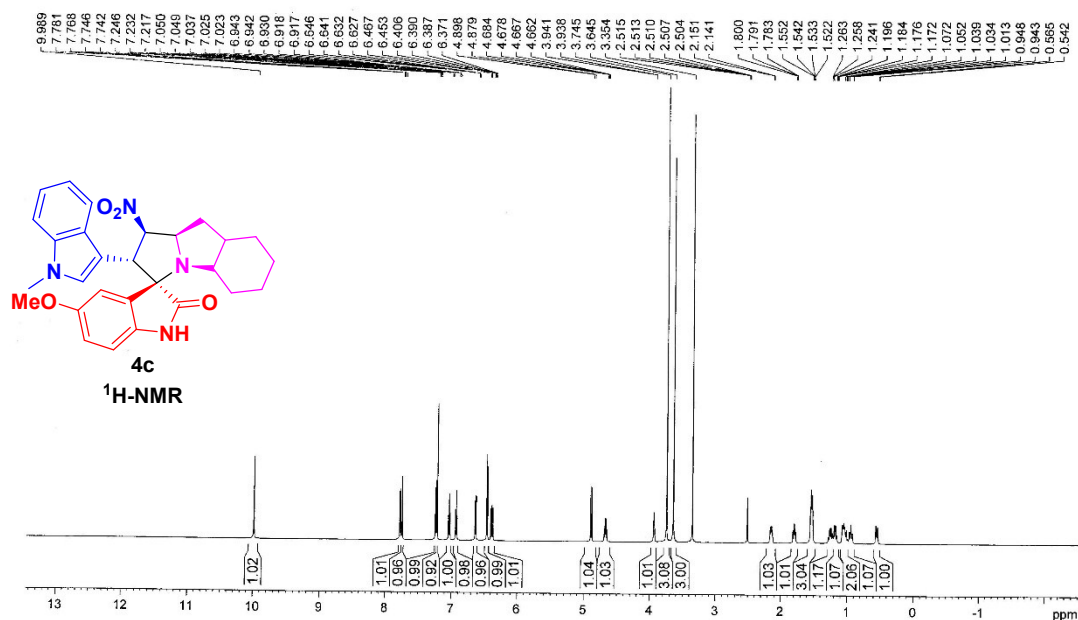


2. ^1H and ^{13}C NMR spectra for compounds 4a-4w.

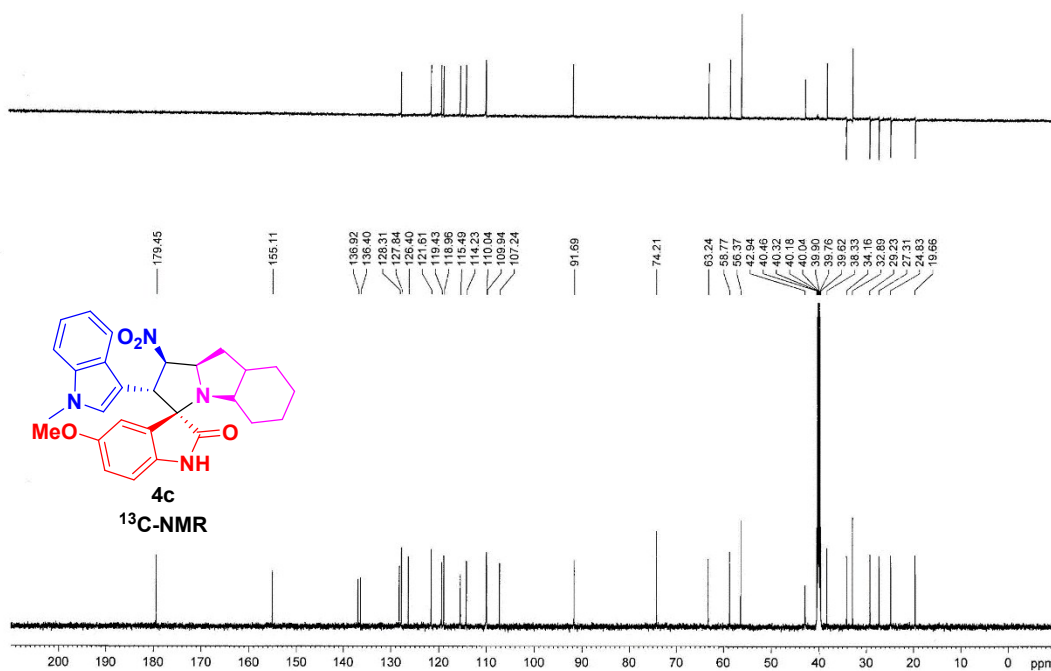




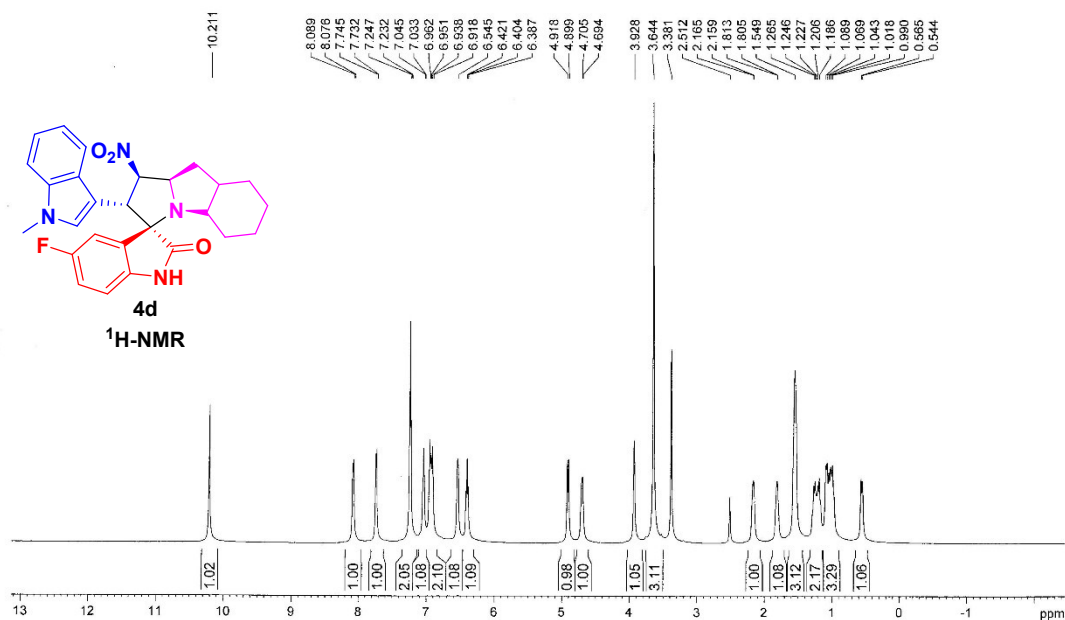
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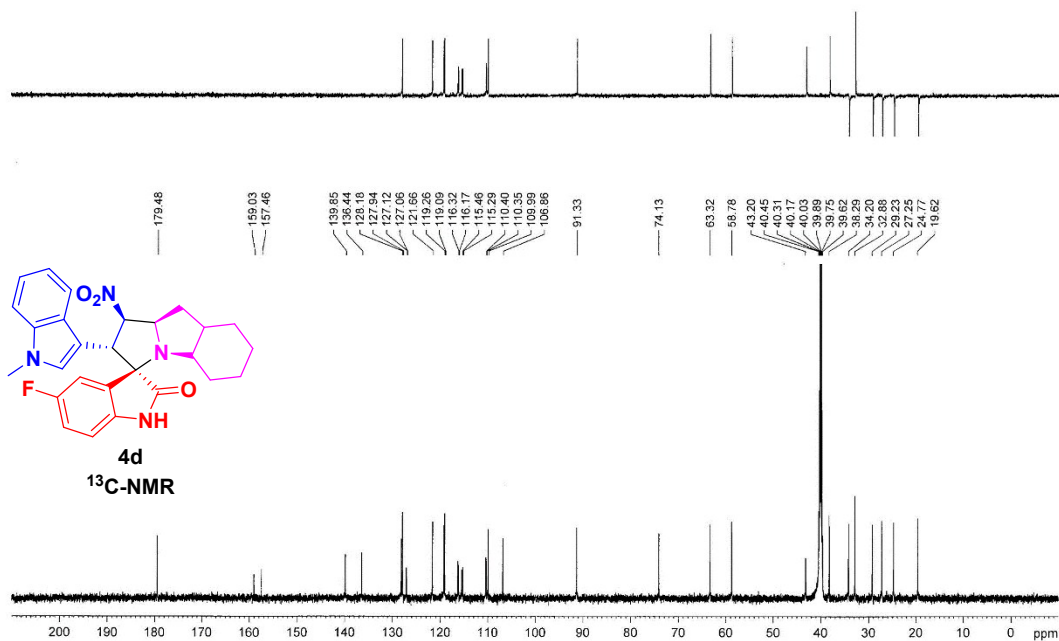
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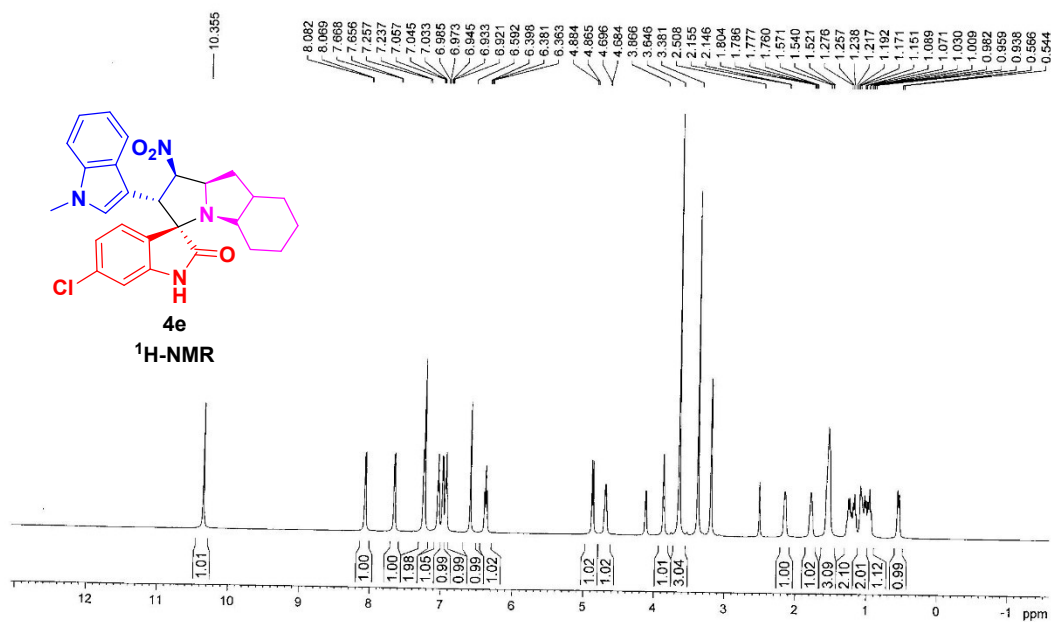
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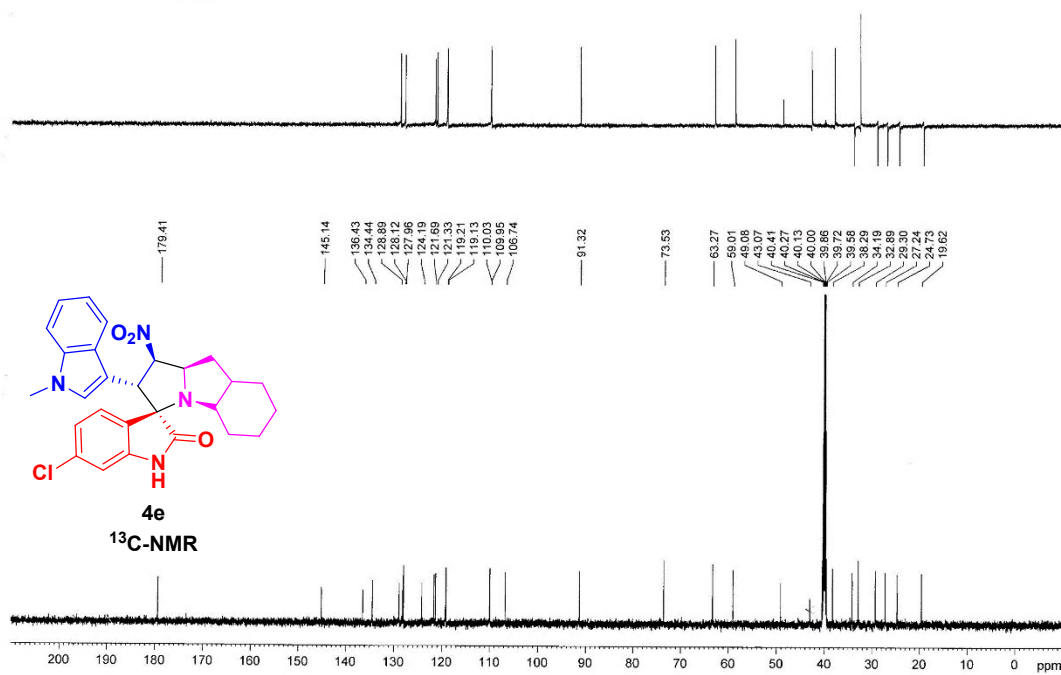
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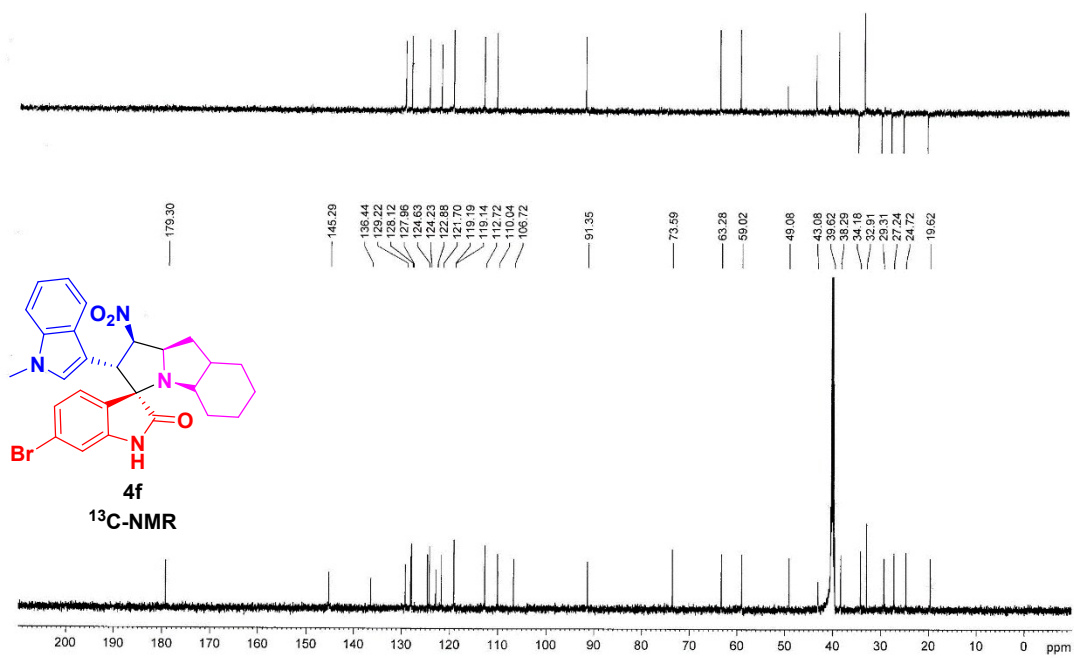
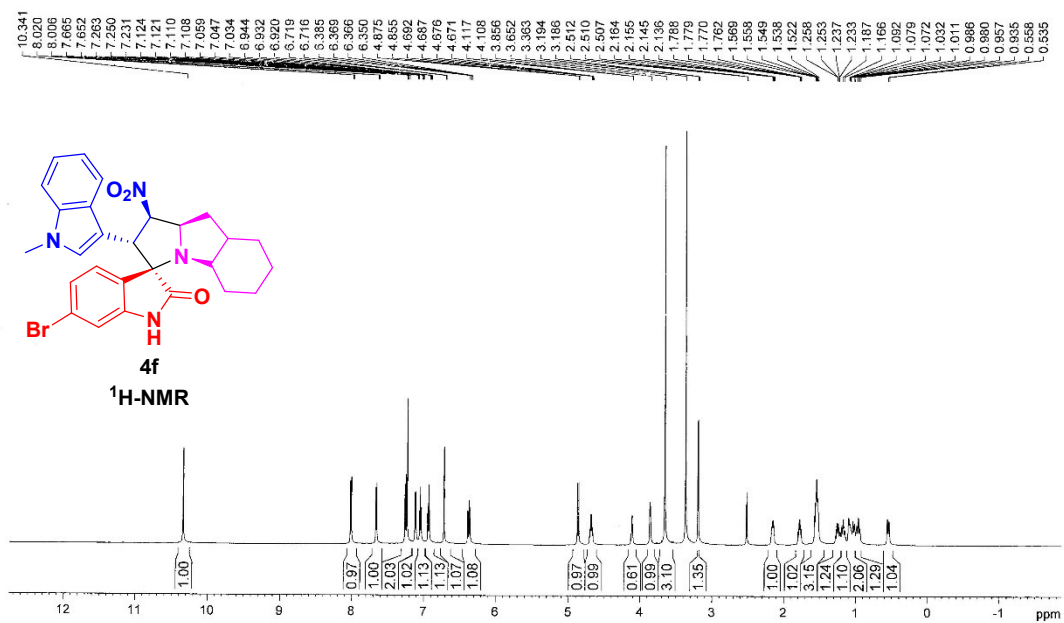


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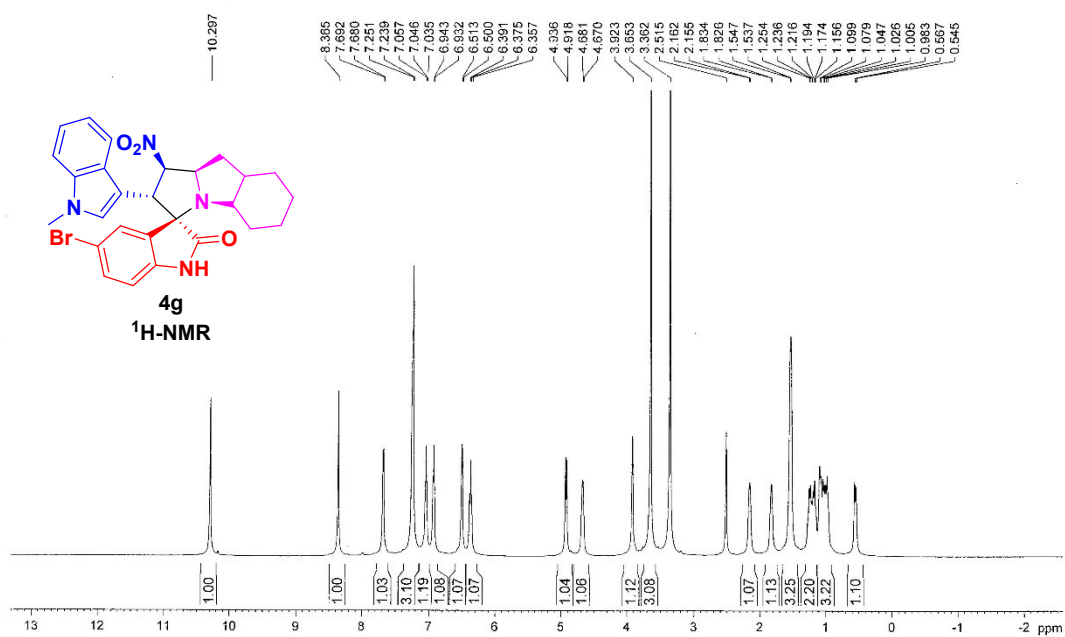


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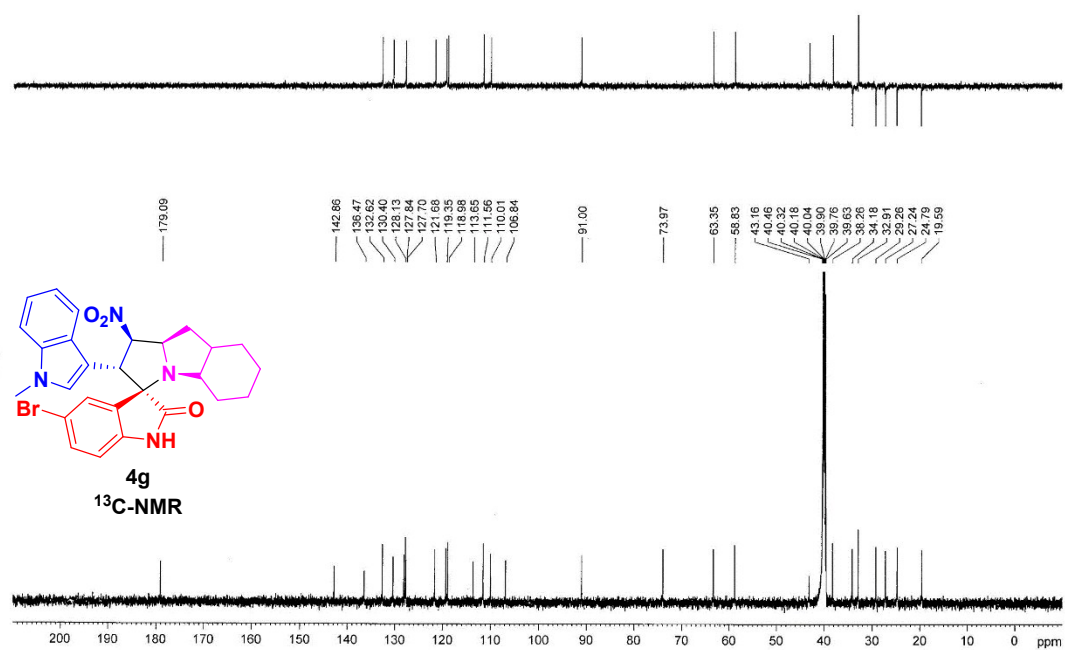


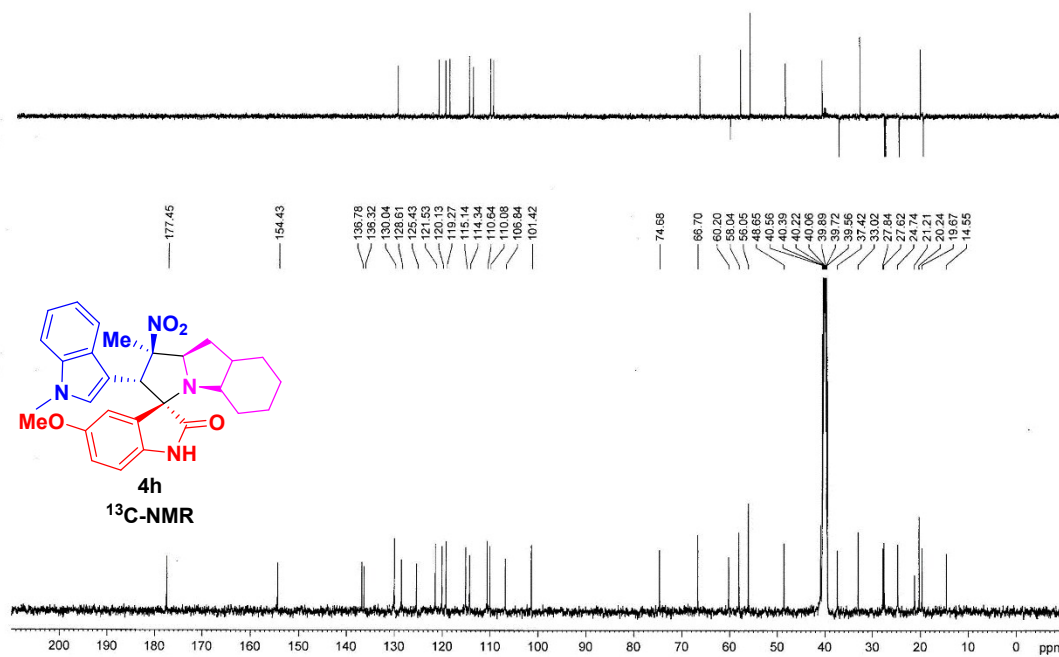
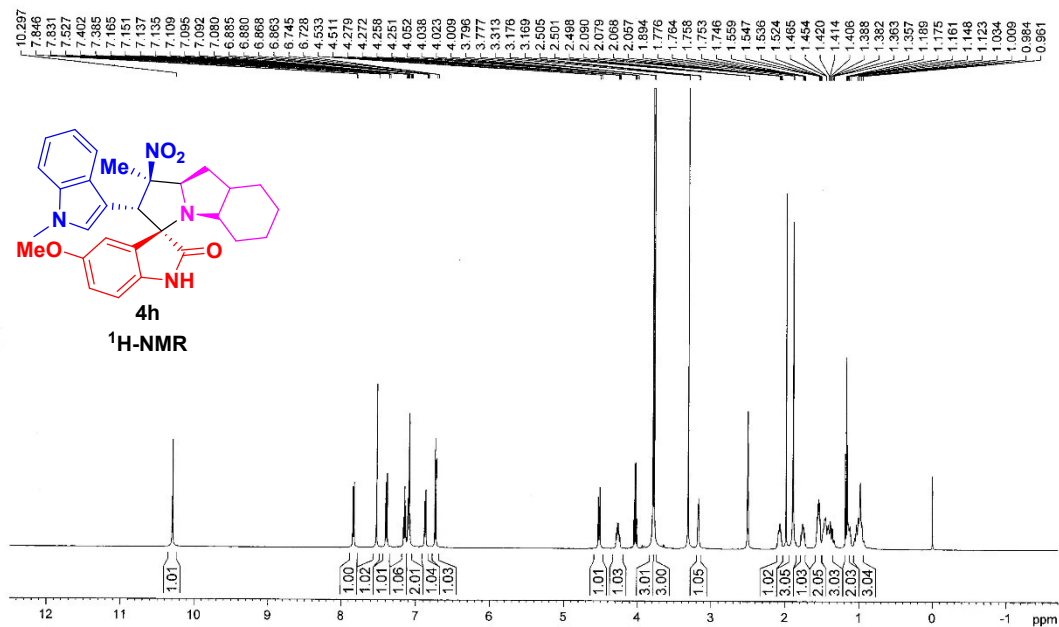


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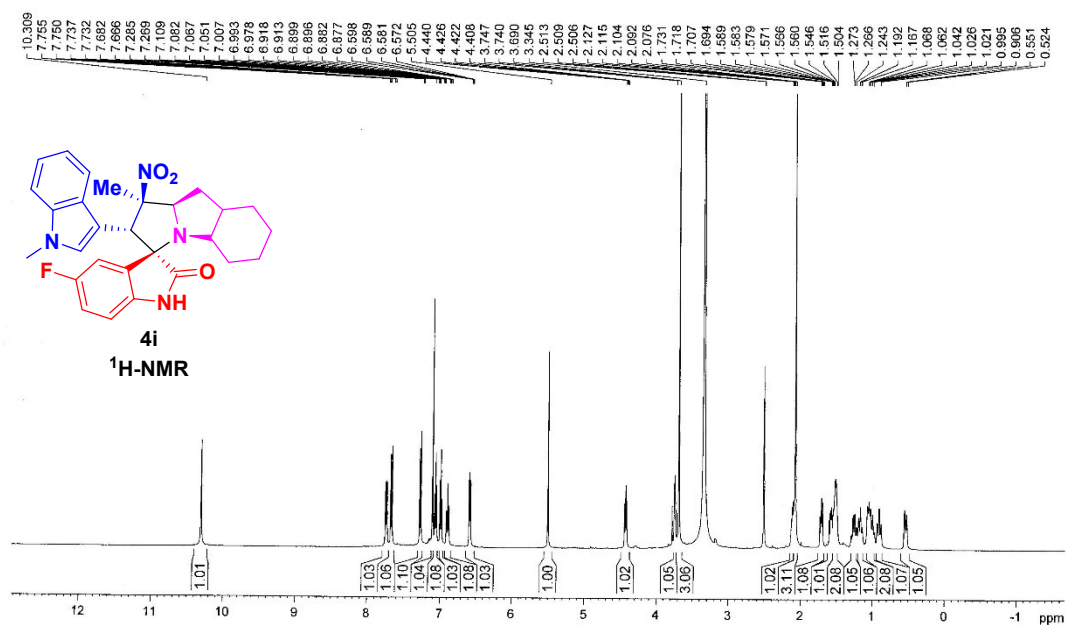


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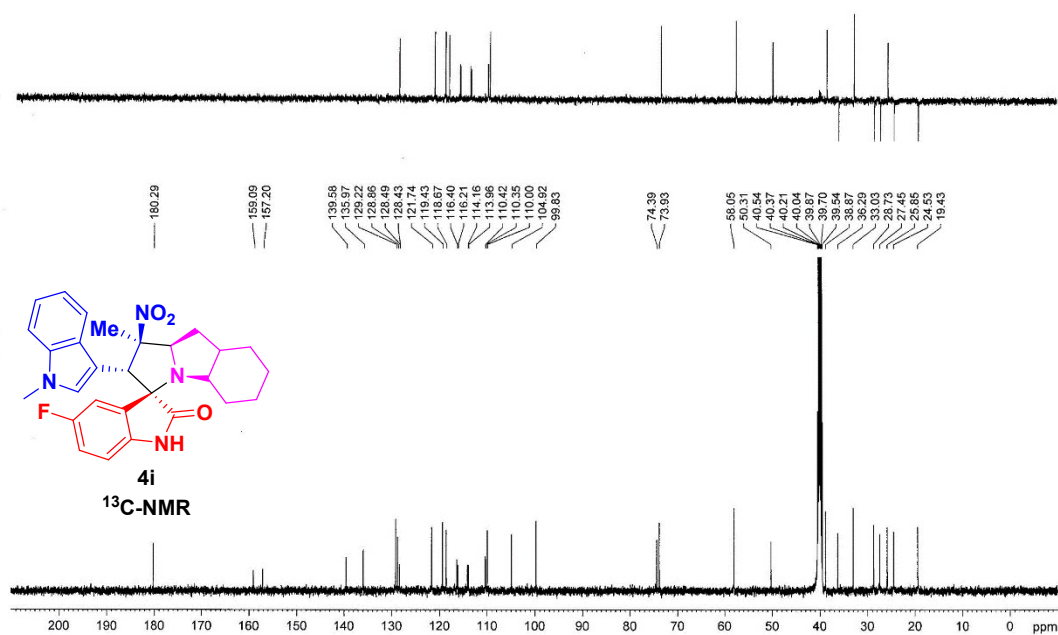




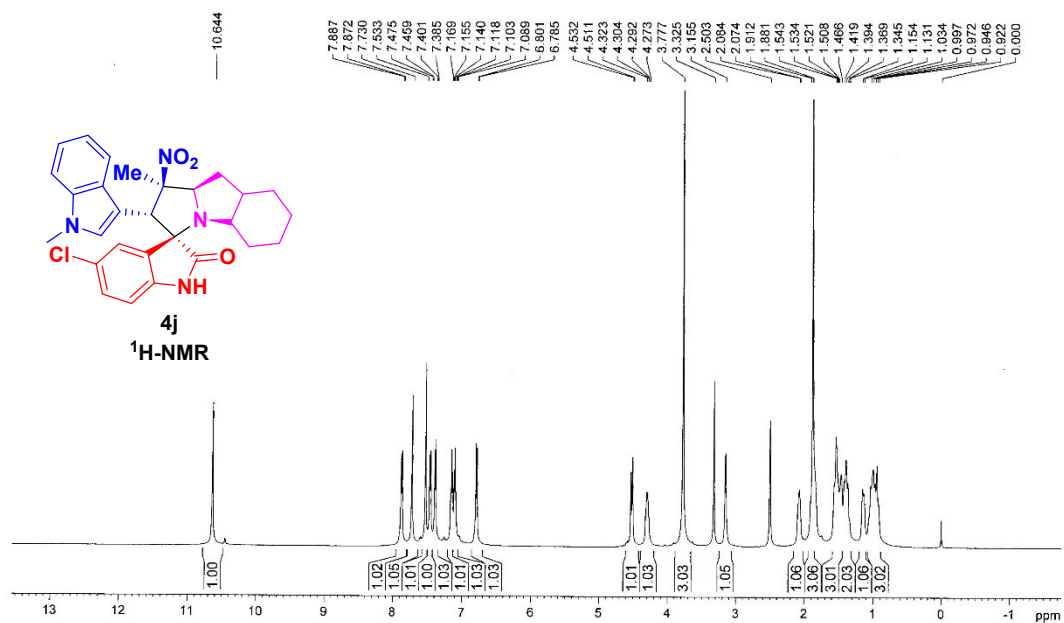
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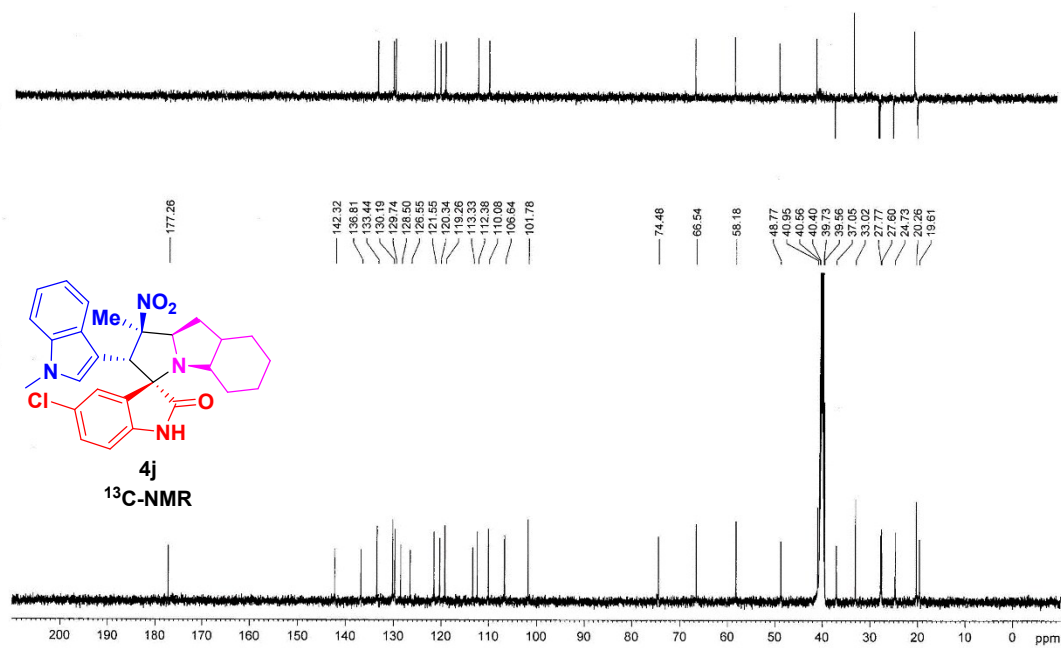
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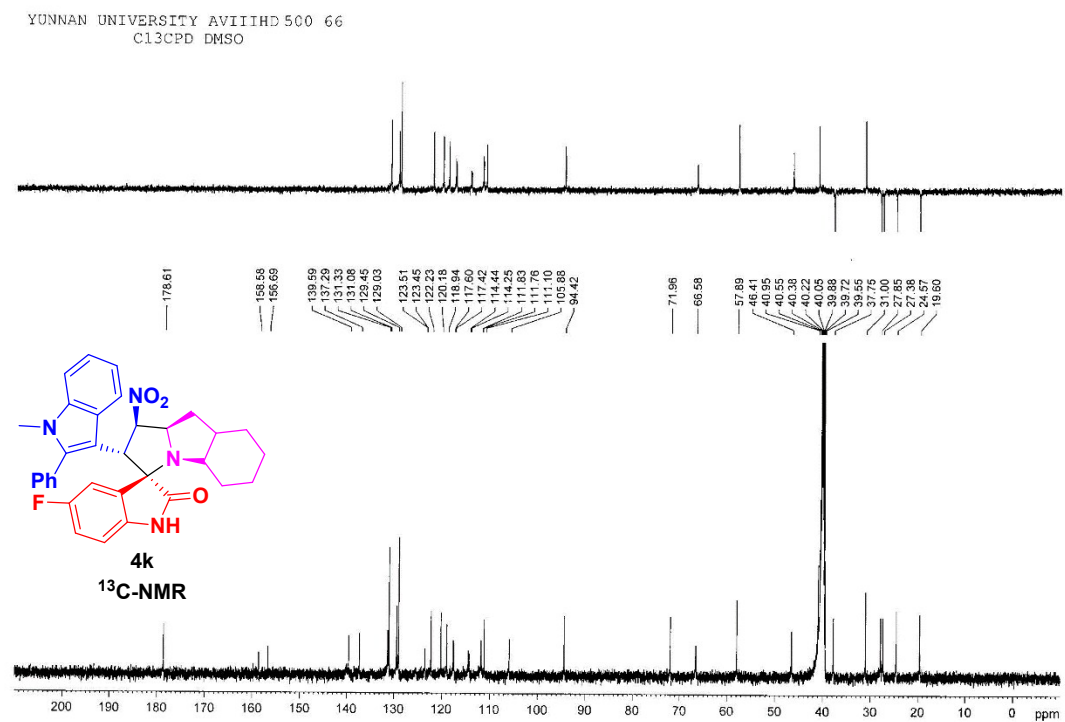
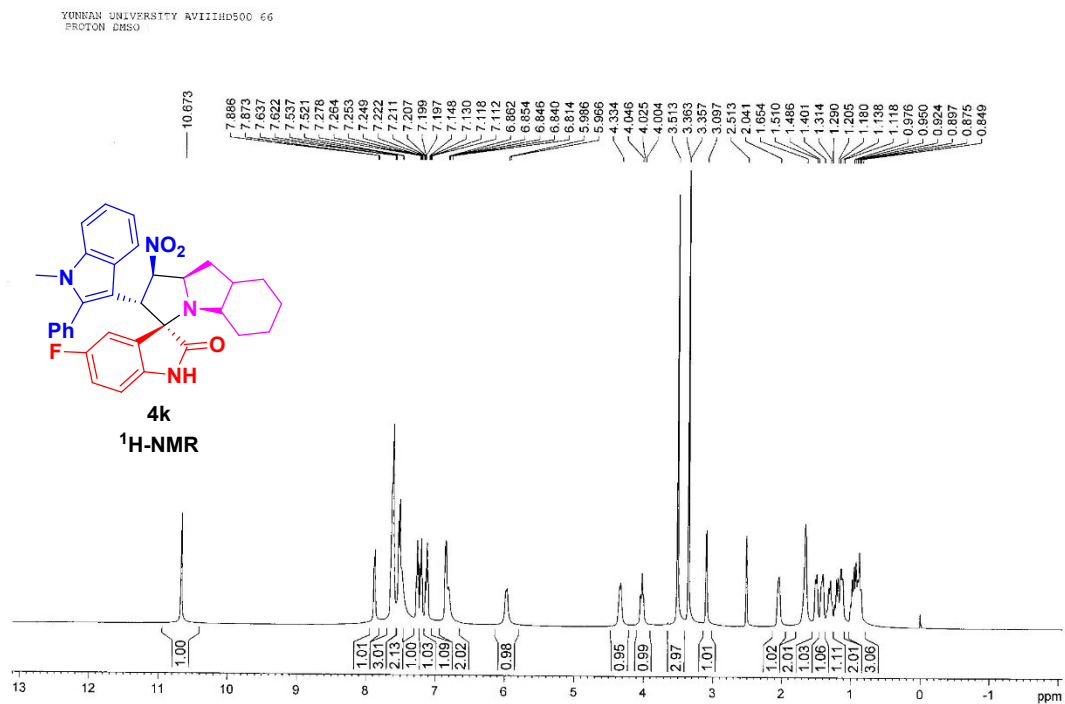


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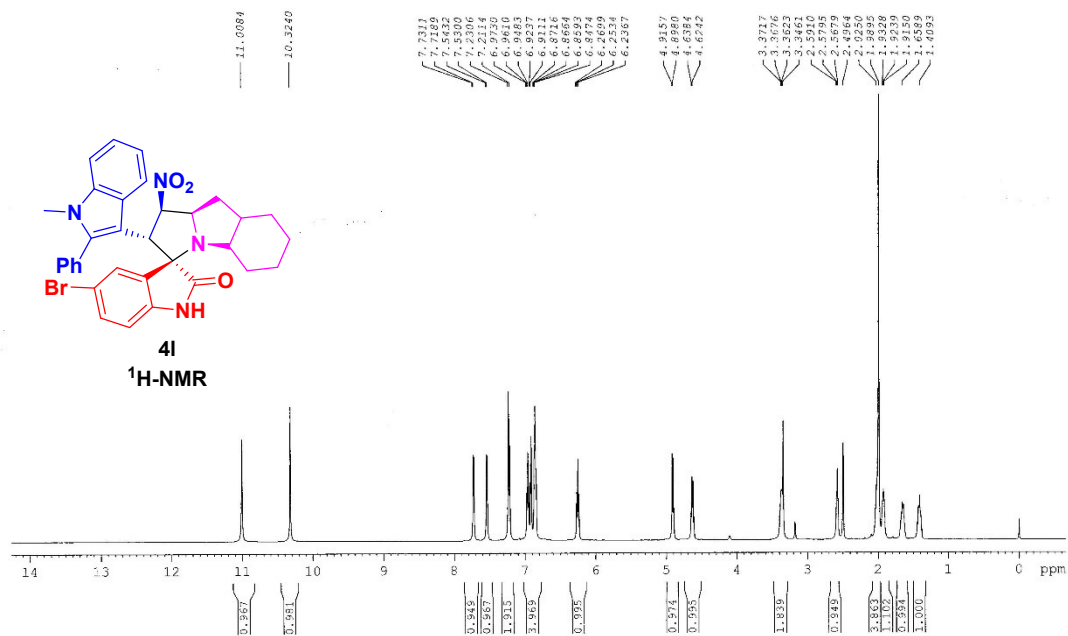


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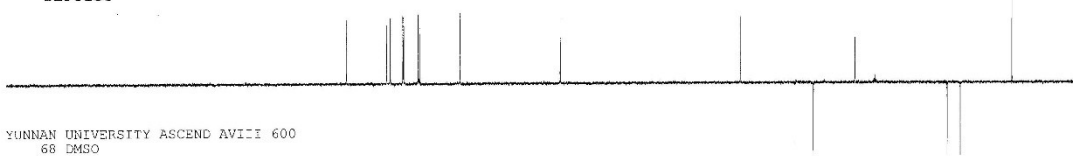




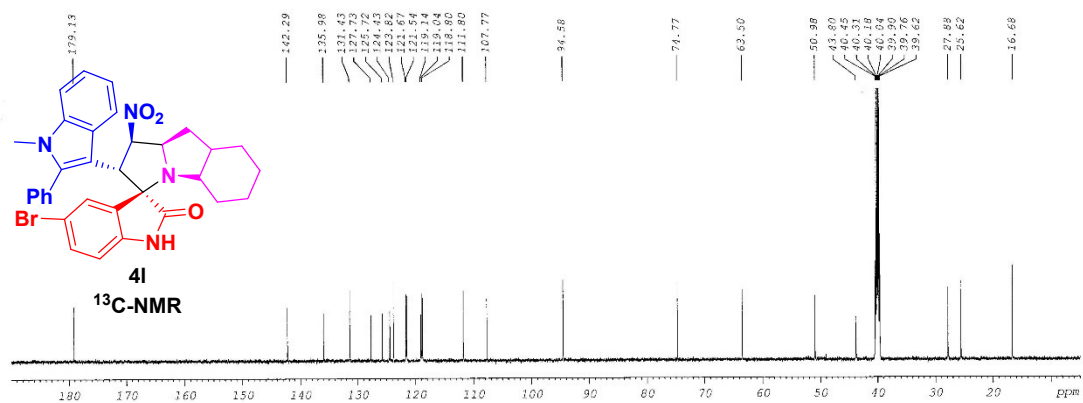
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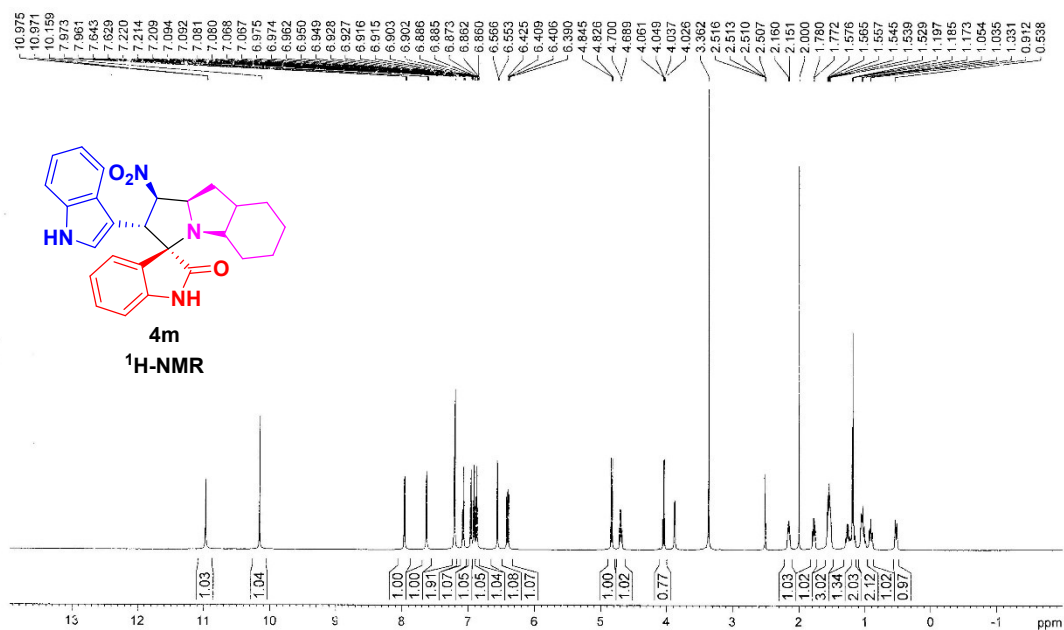
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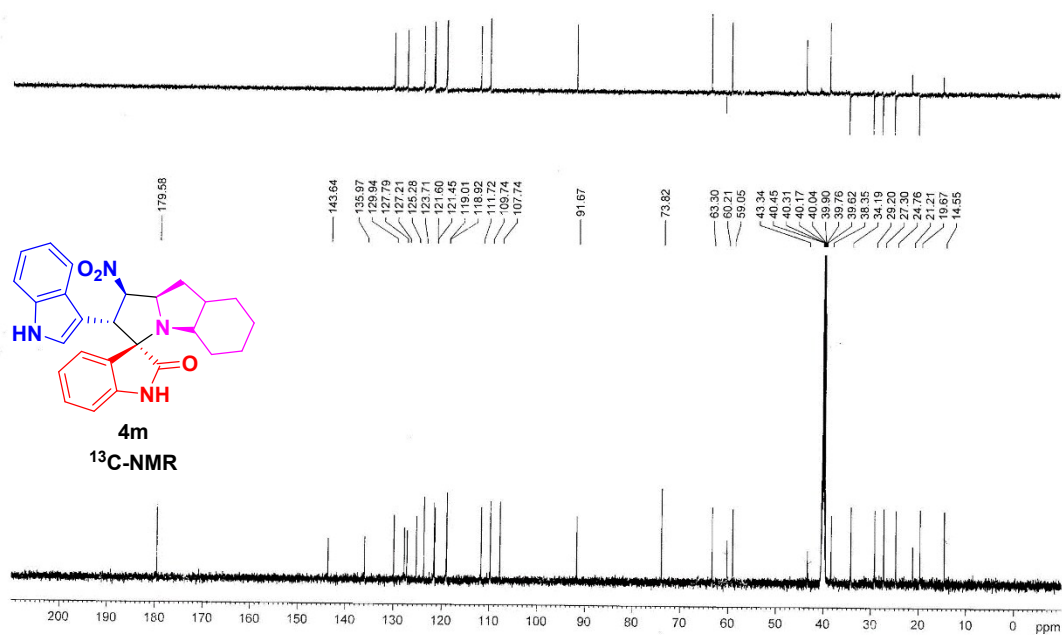
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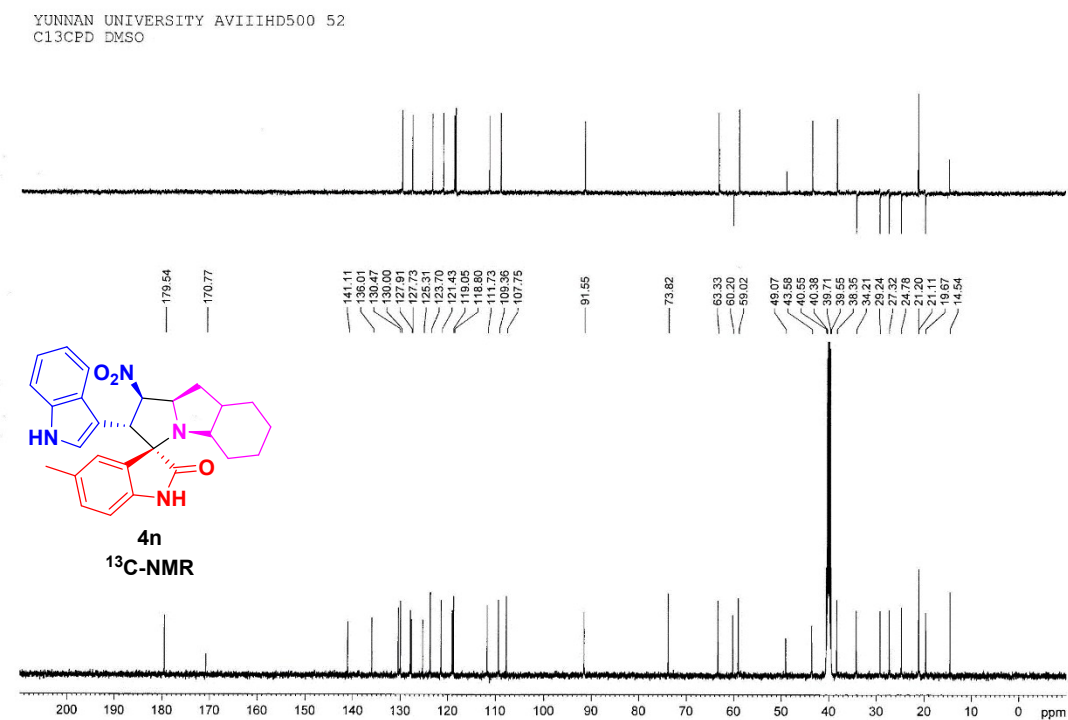
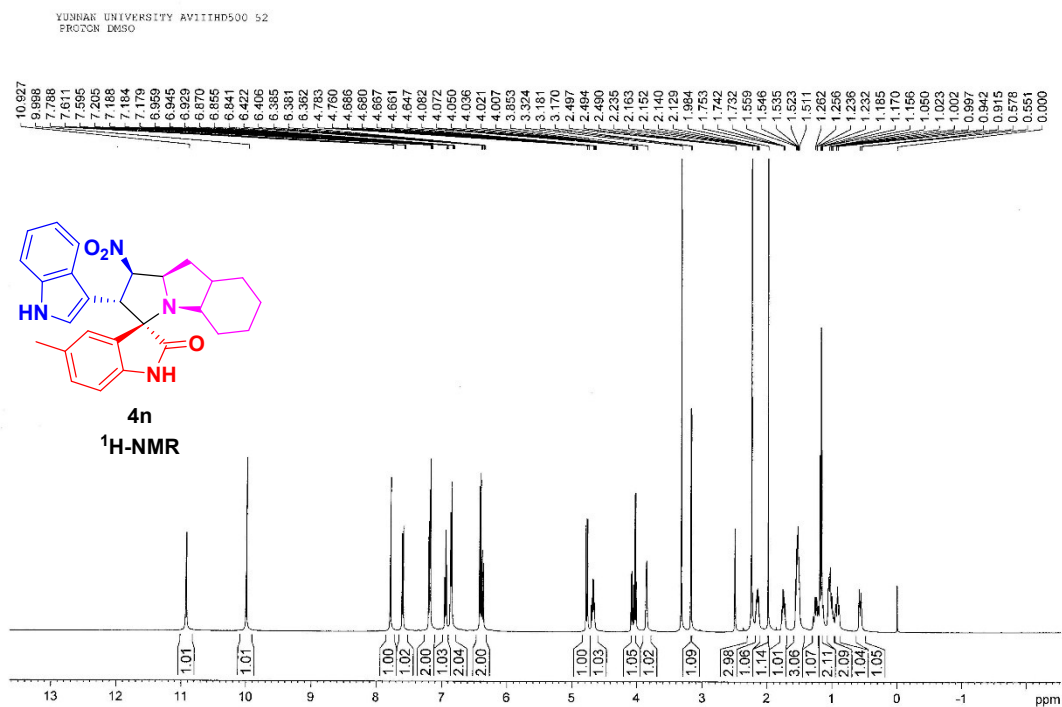


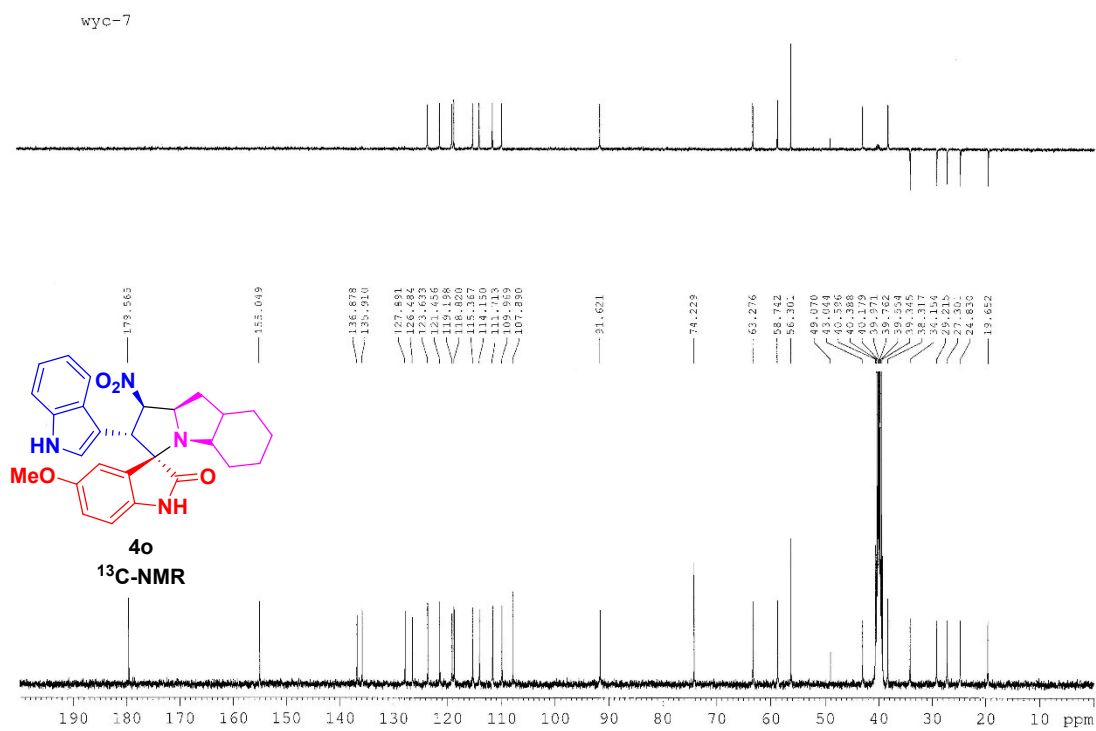
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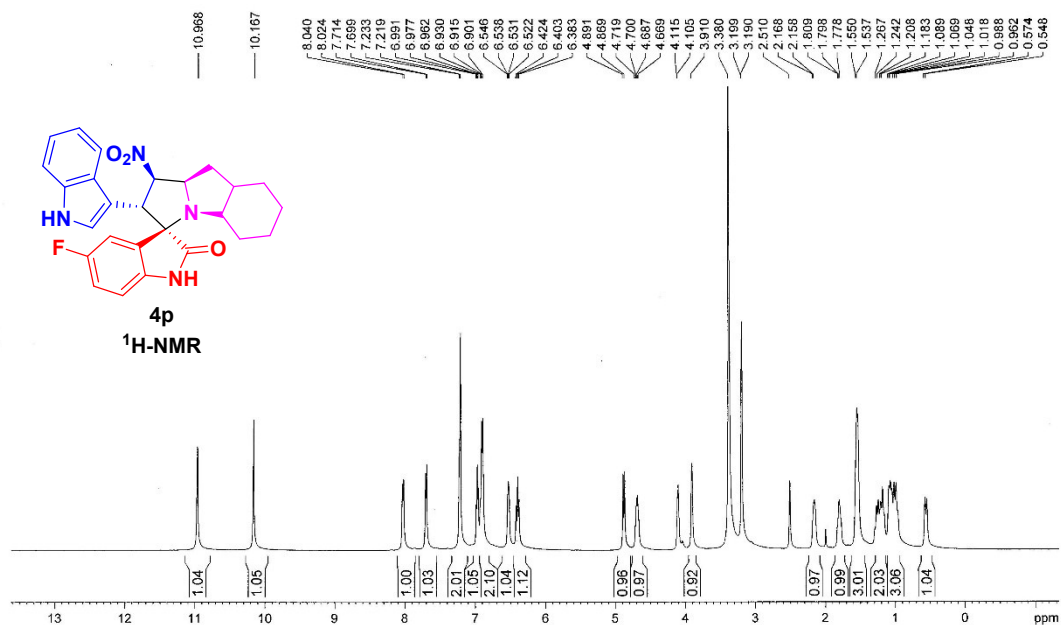
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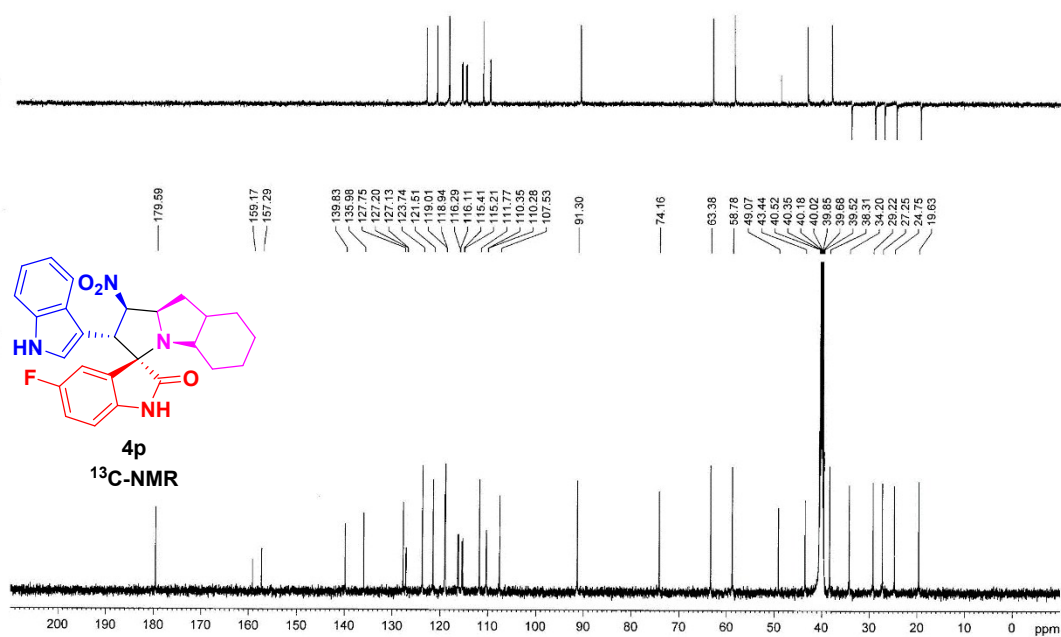




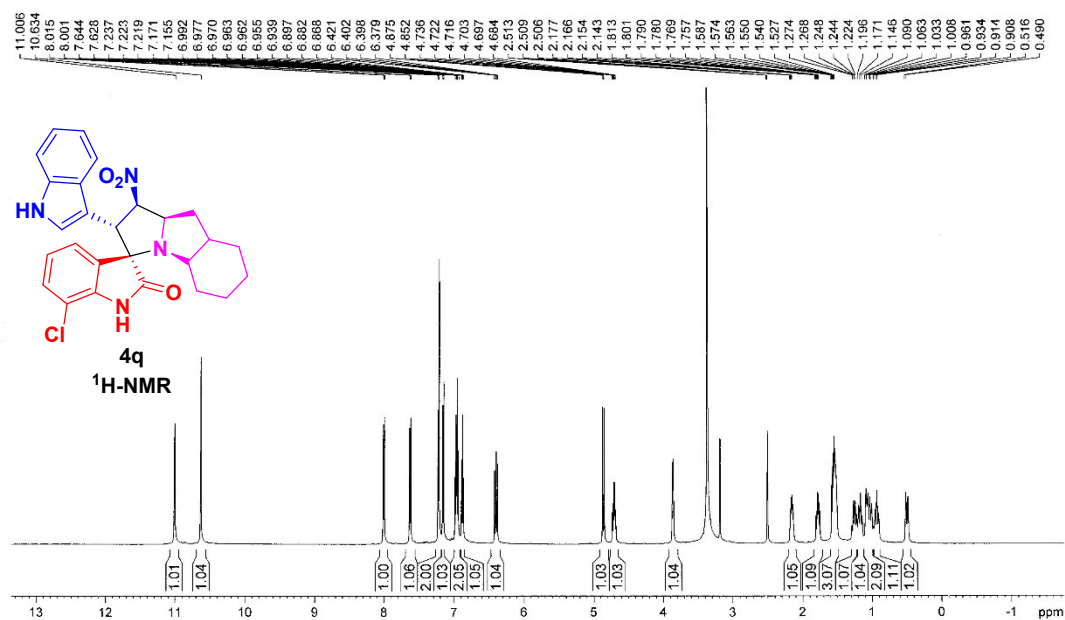
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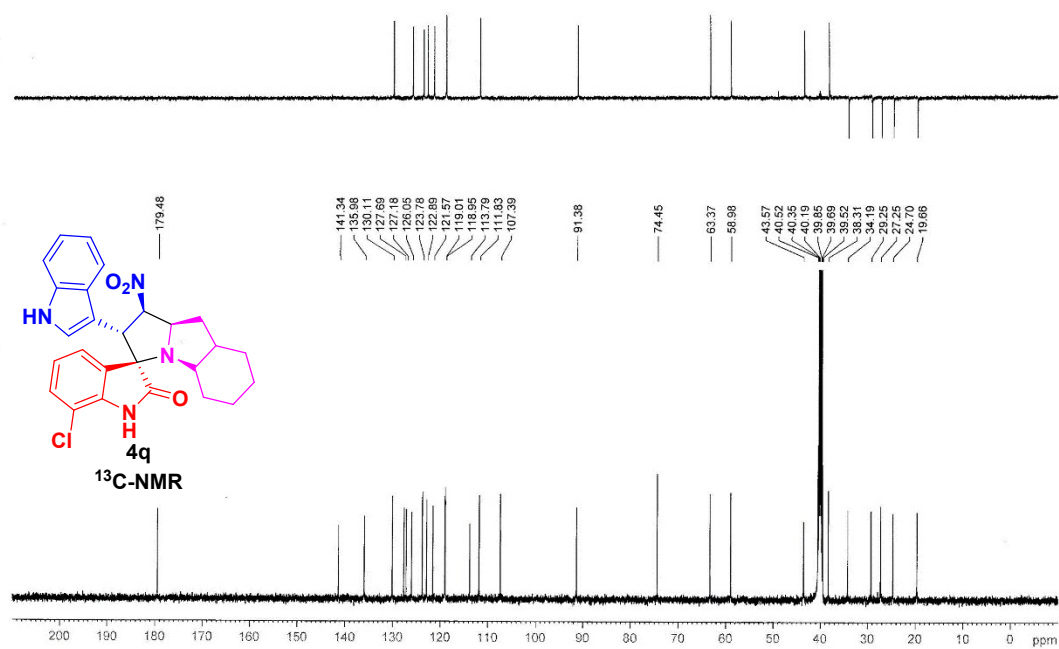
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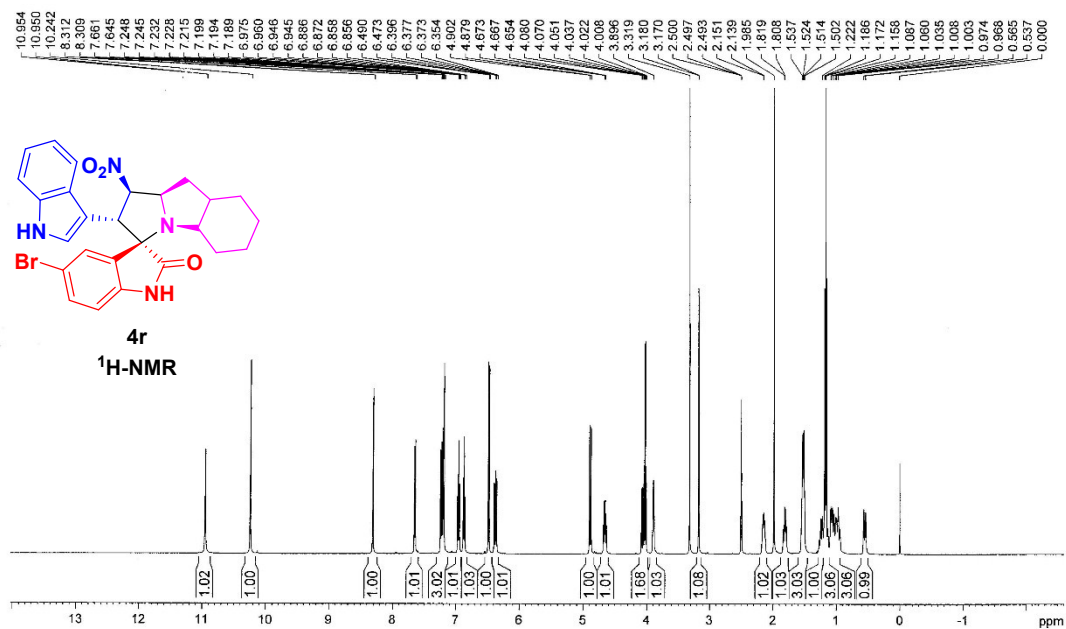
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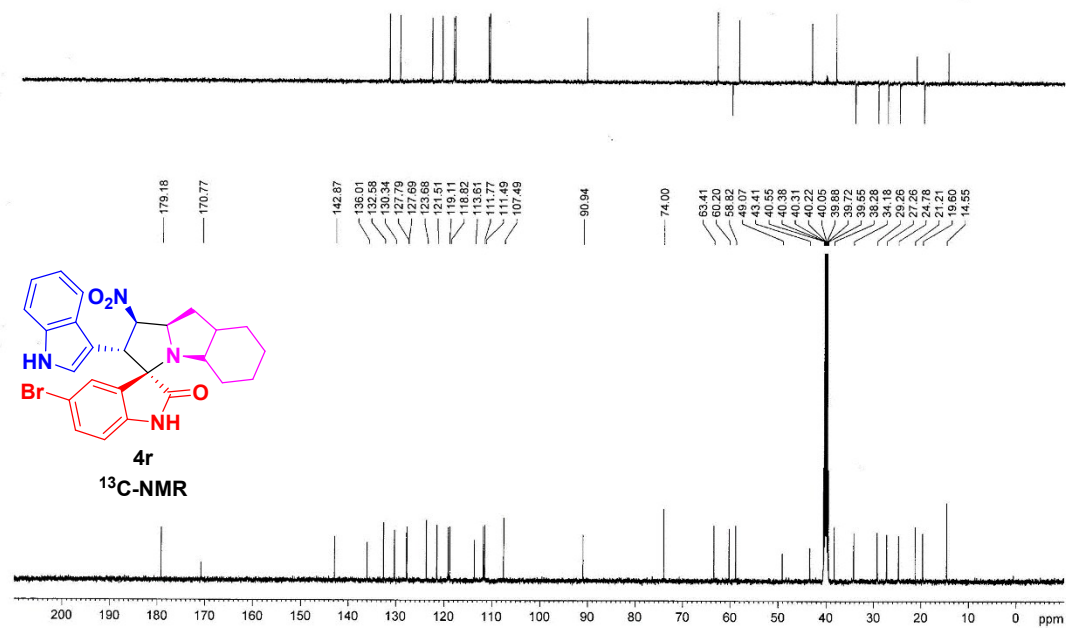
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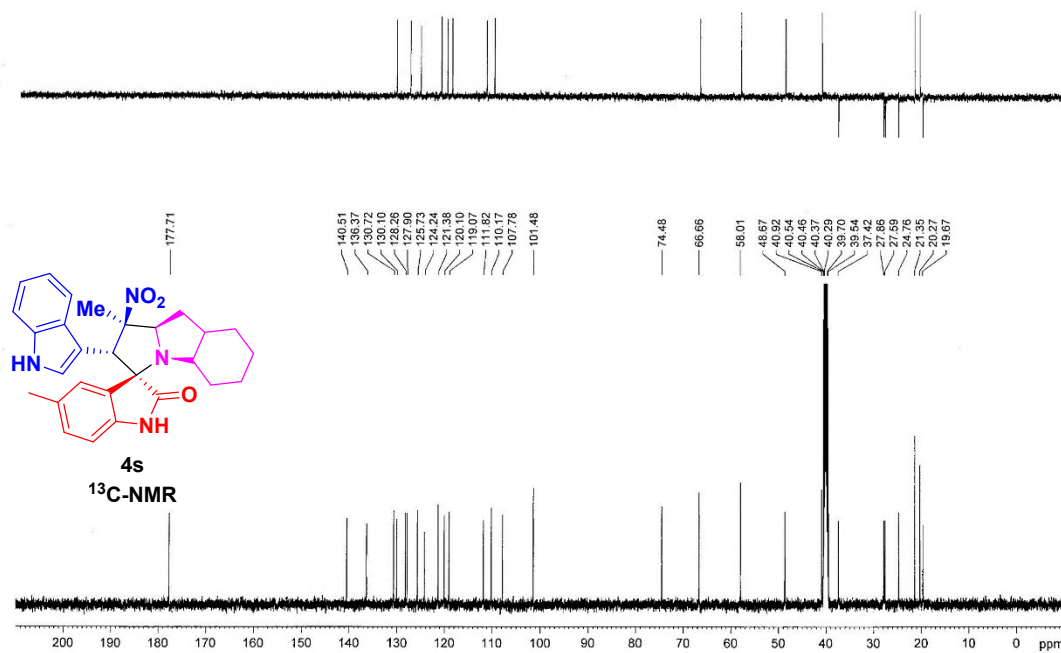
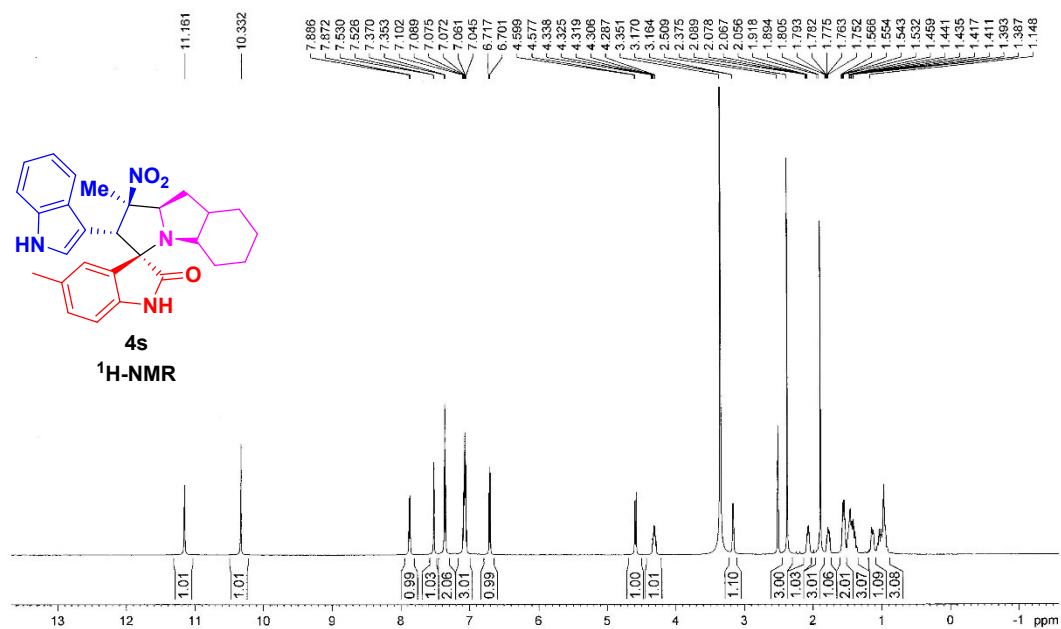


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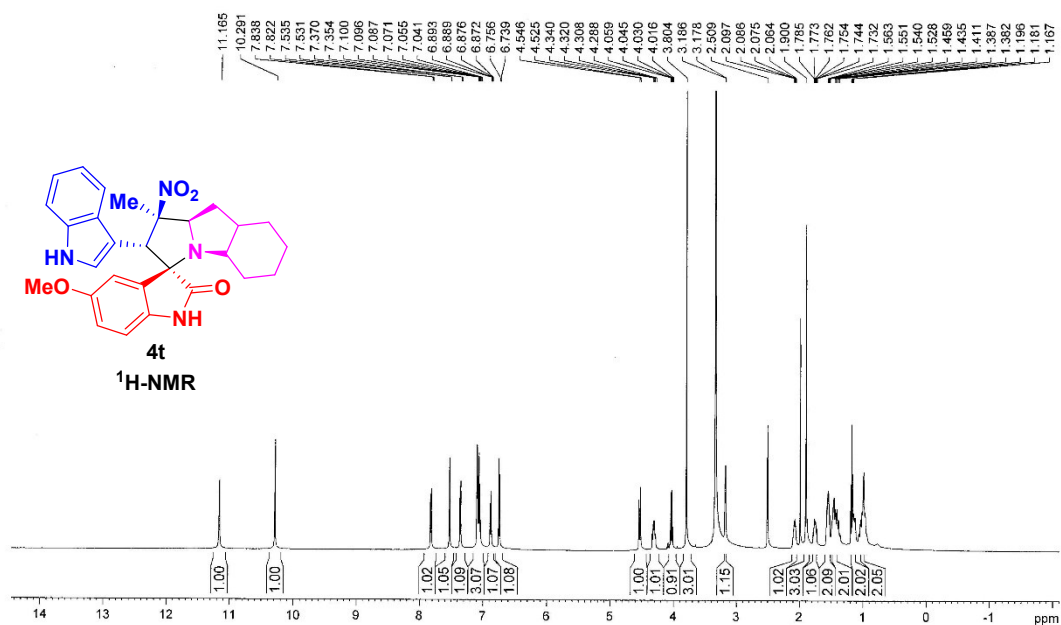


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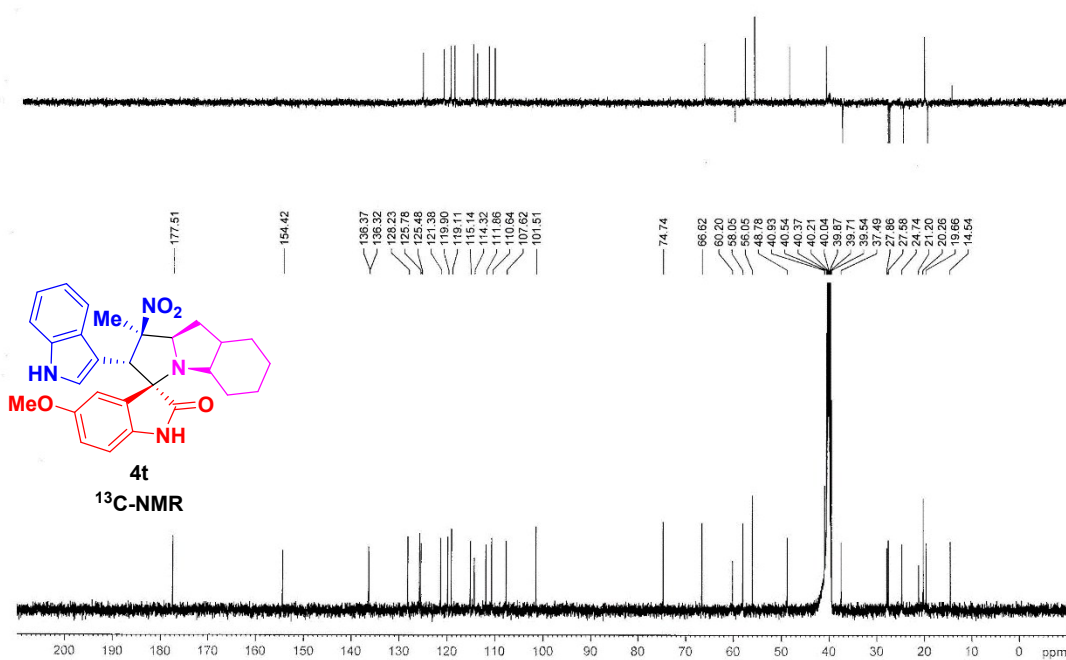




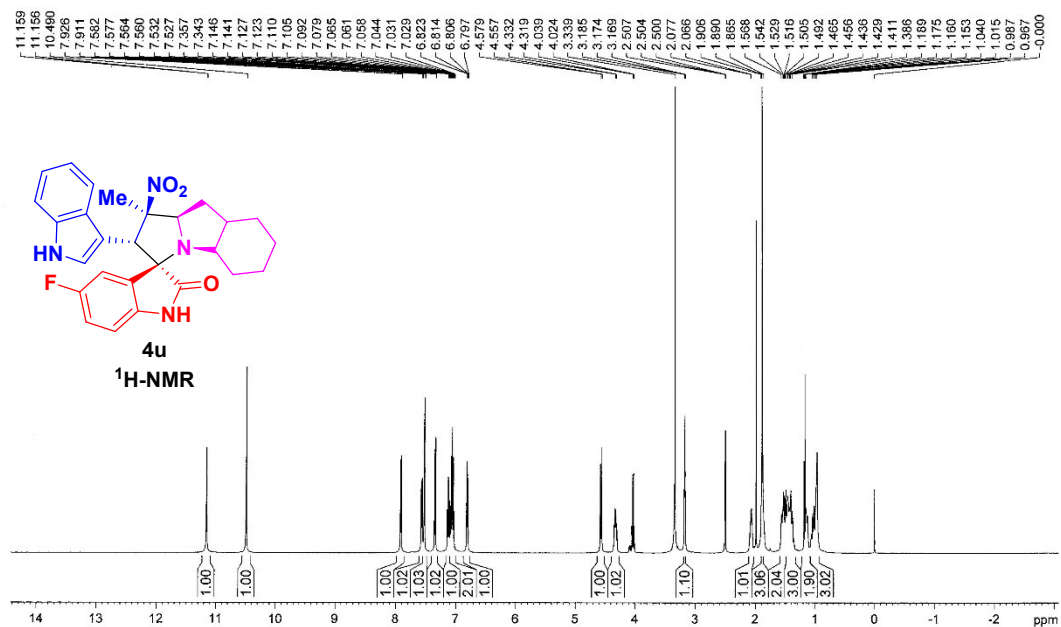
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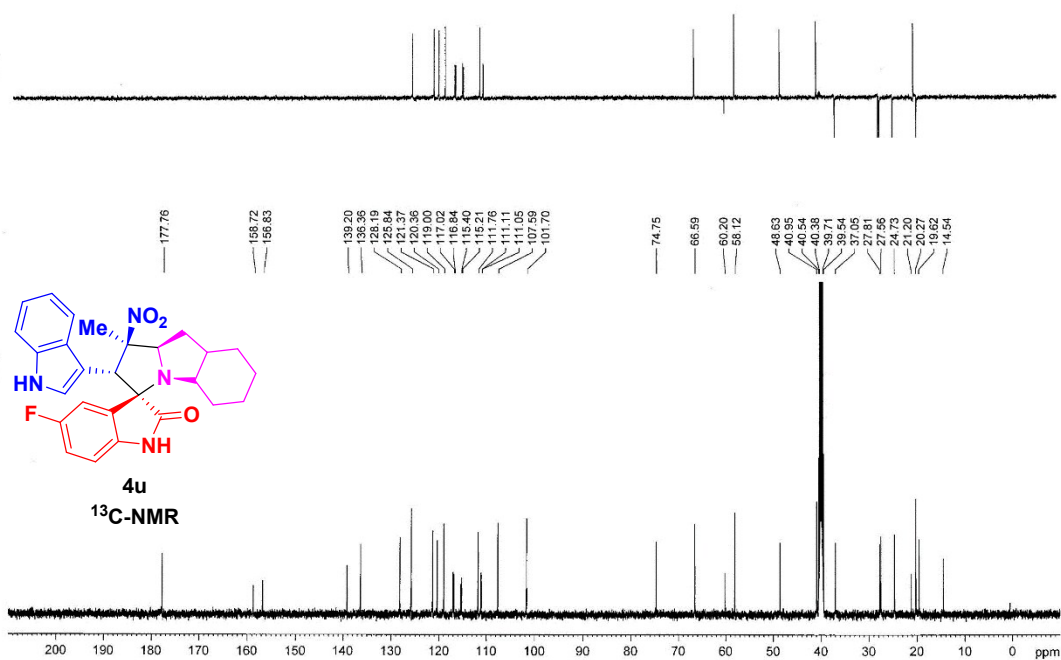
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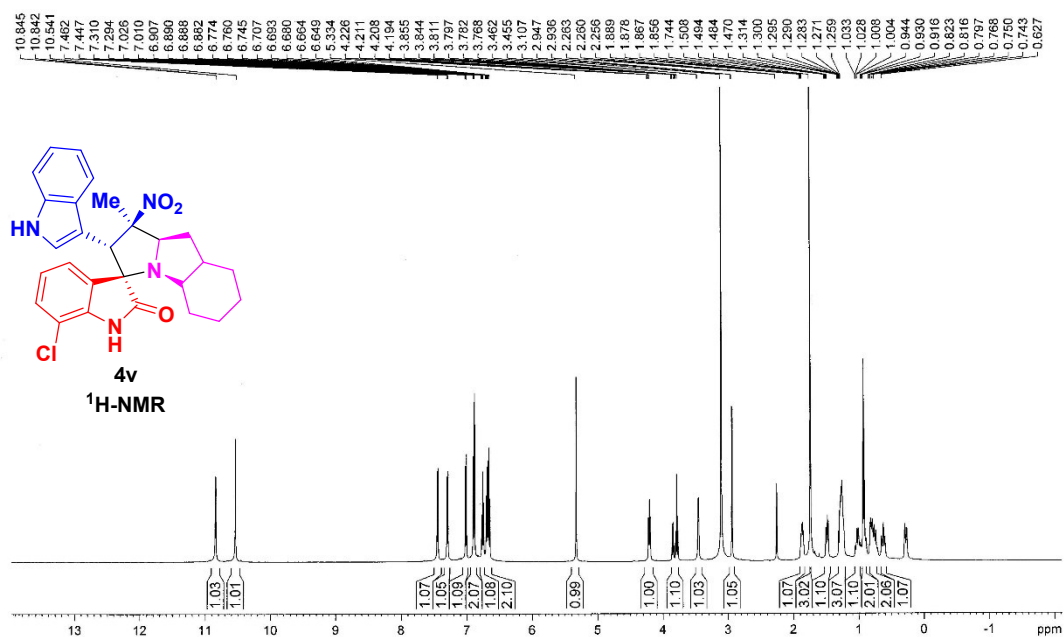
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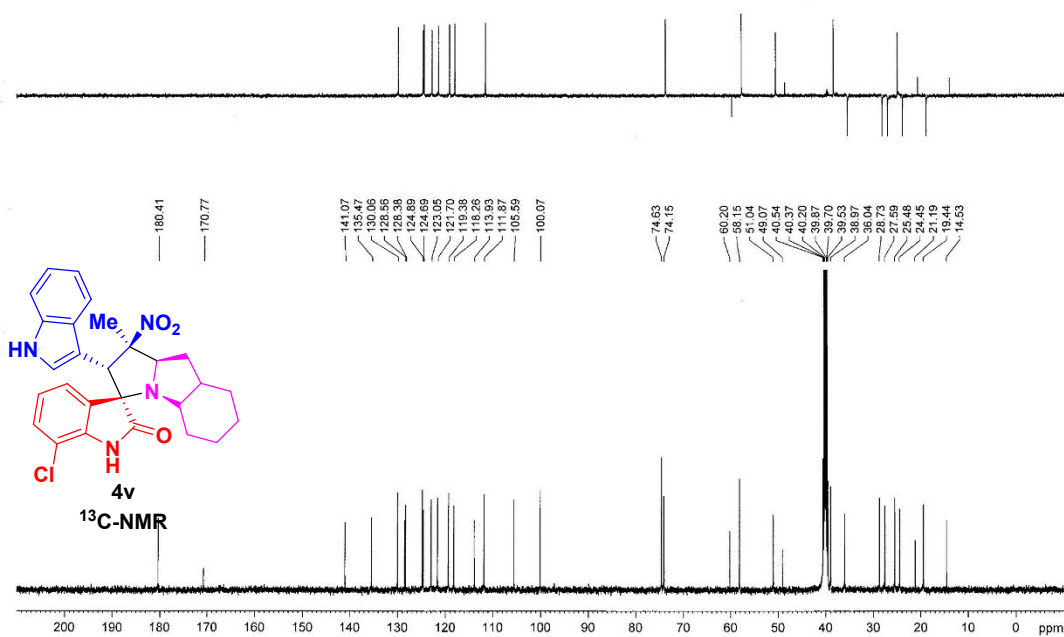
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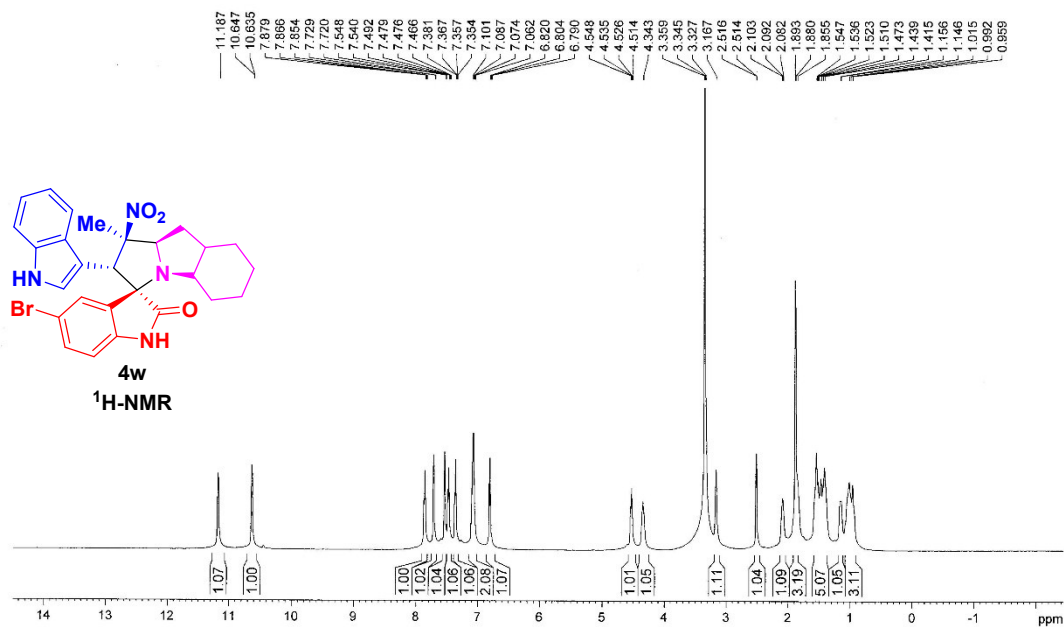
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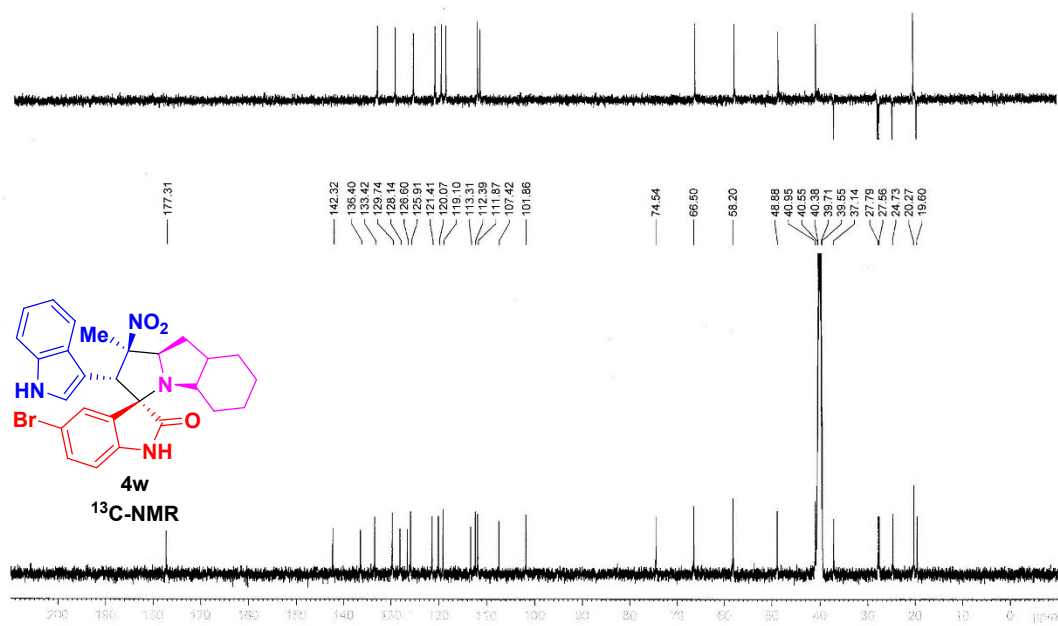
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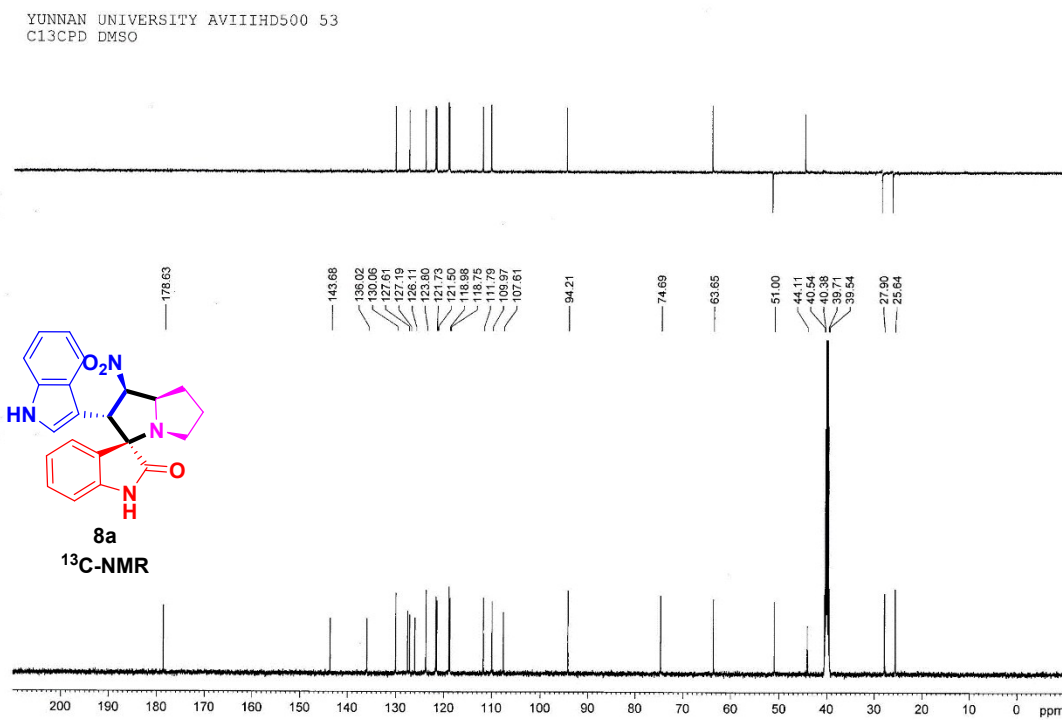
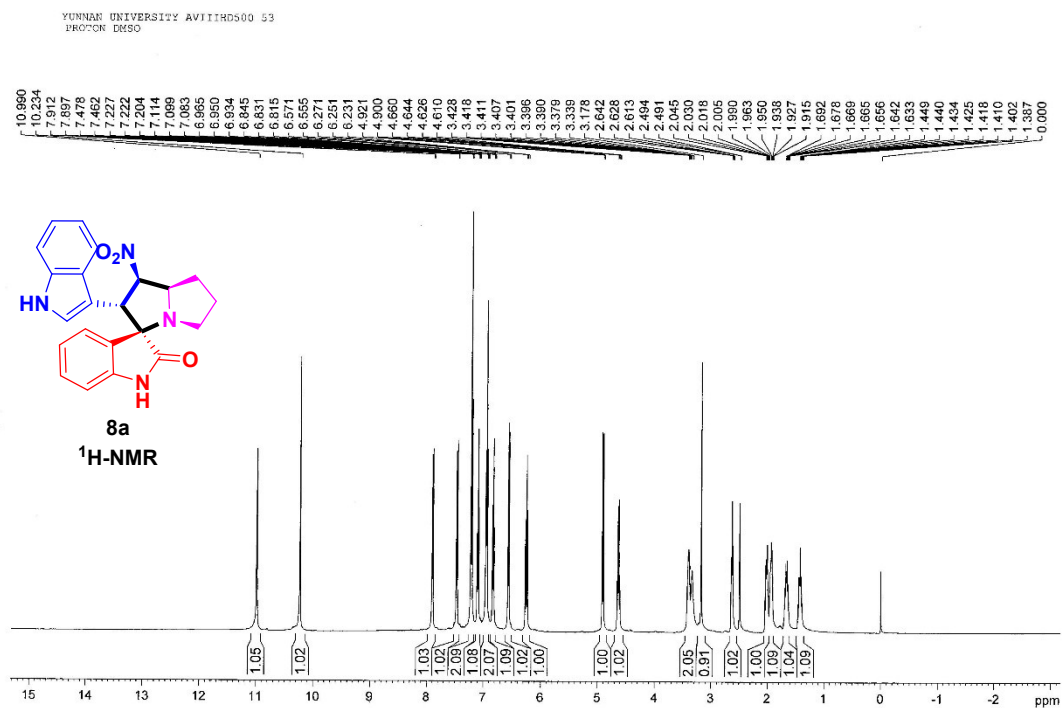
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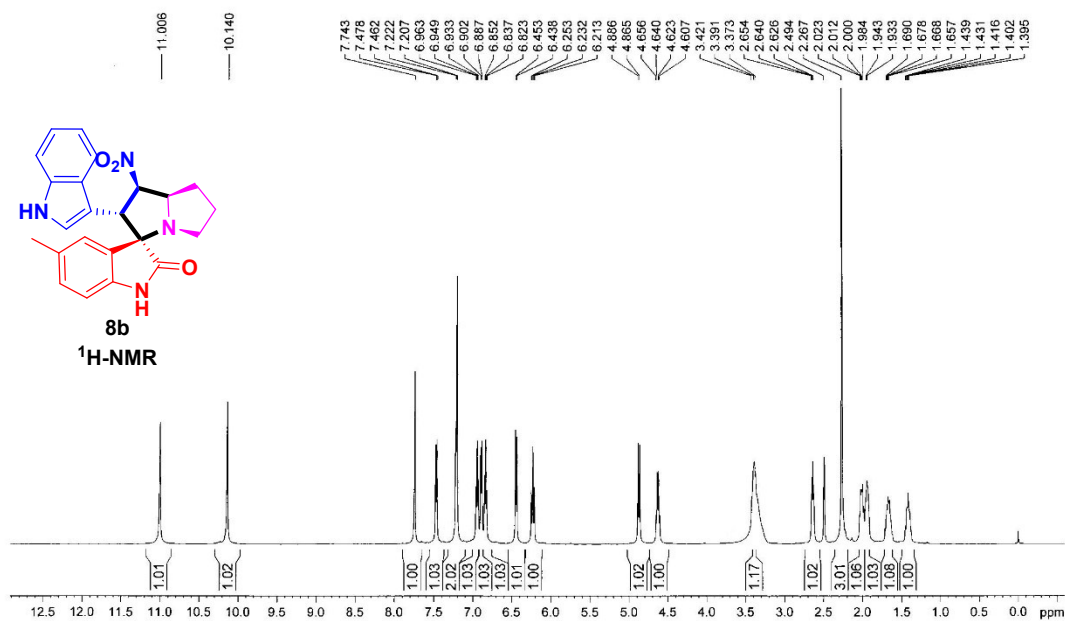
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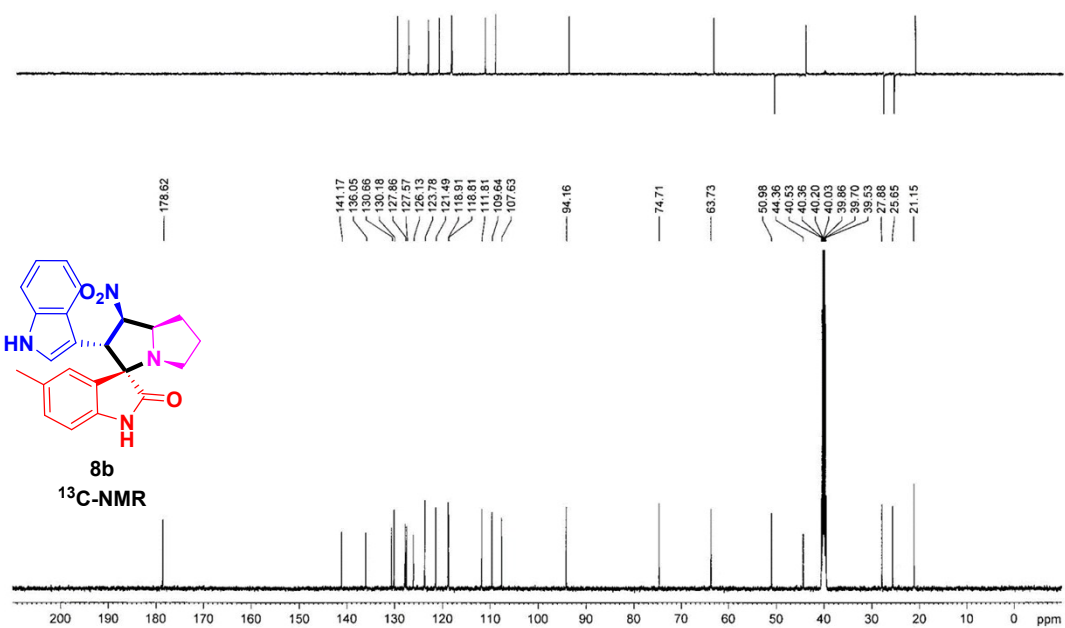
3. ^1H and ^{13}C NMR spectra for compounds 8a-8l.



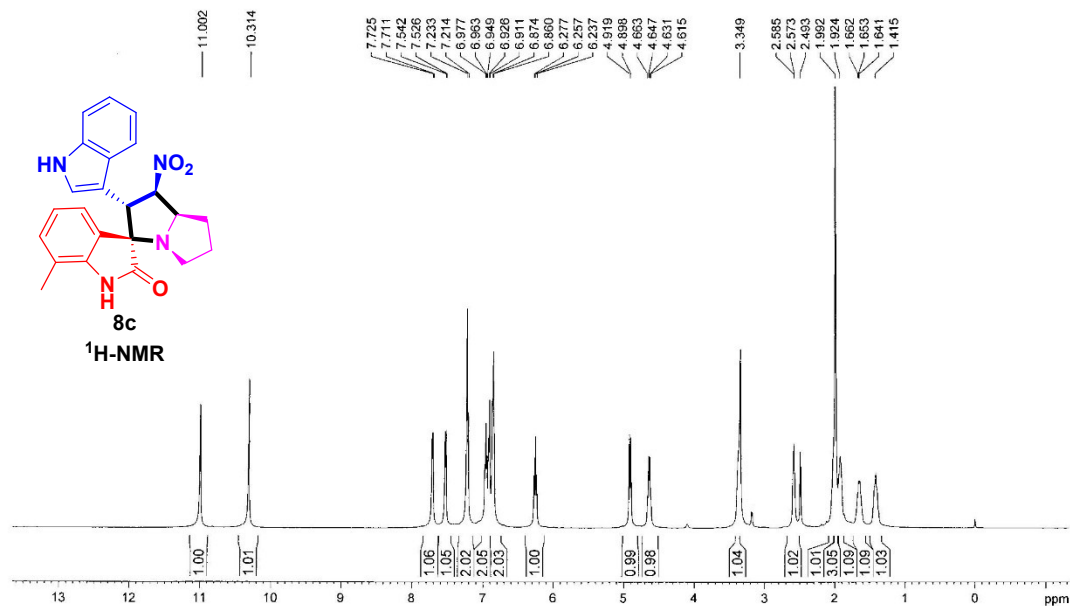
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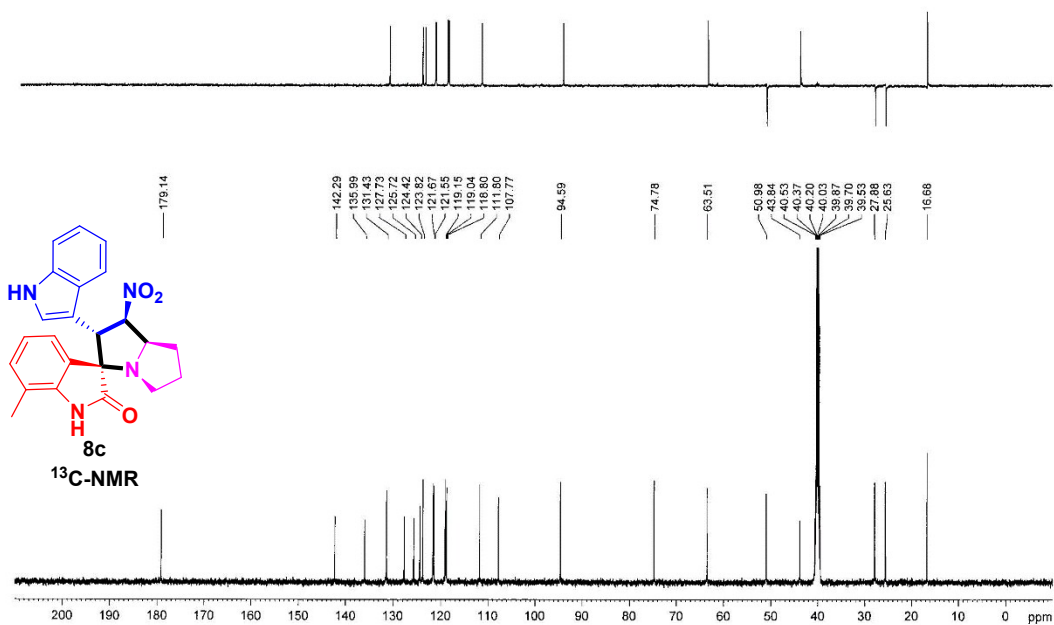
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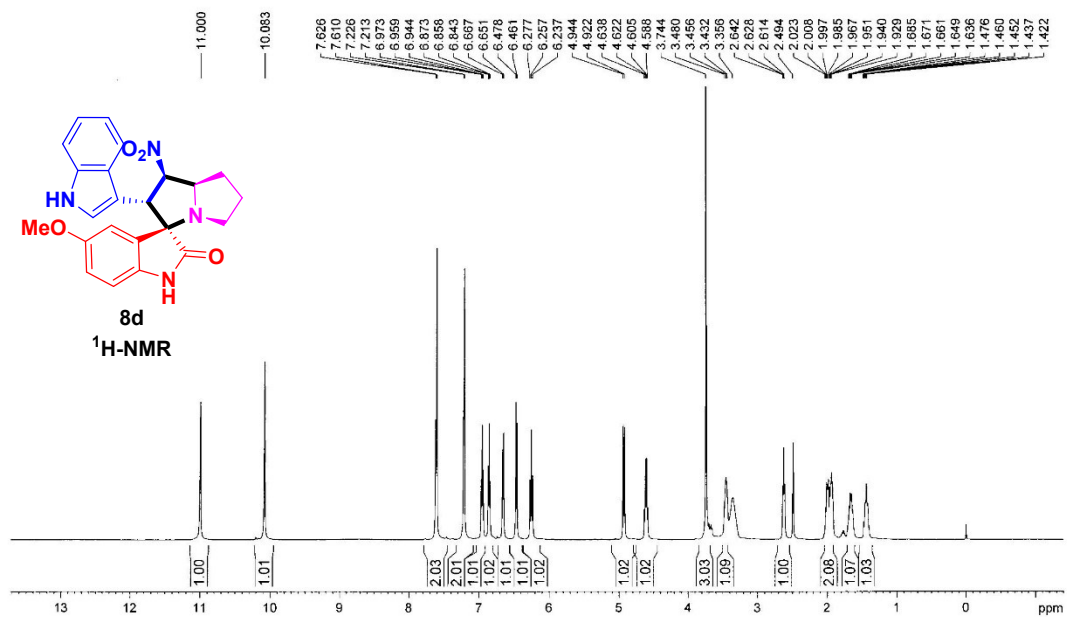
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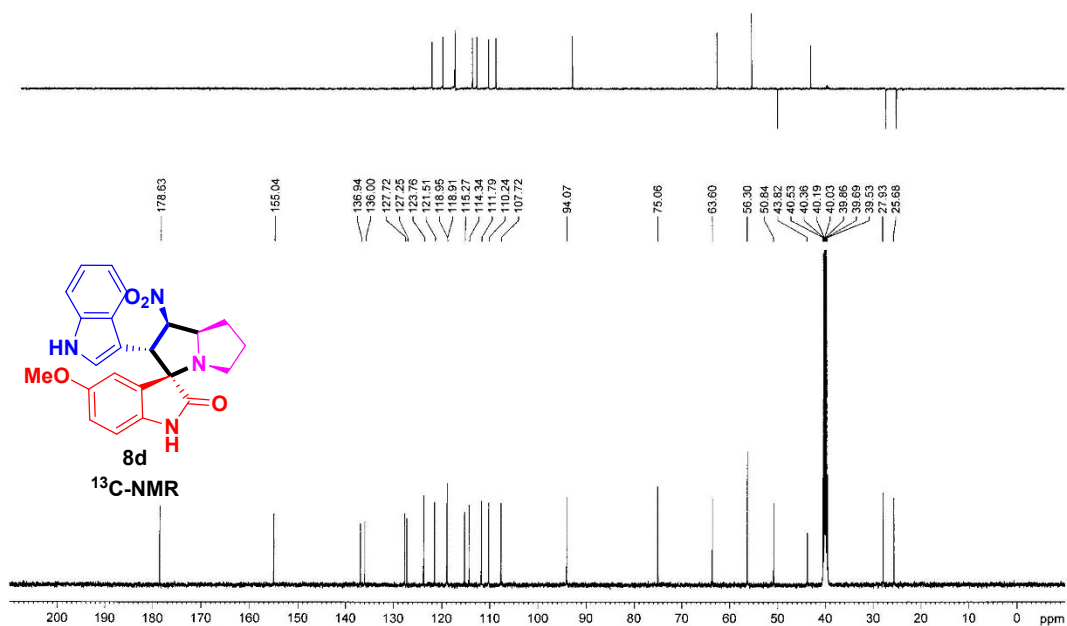
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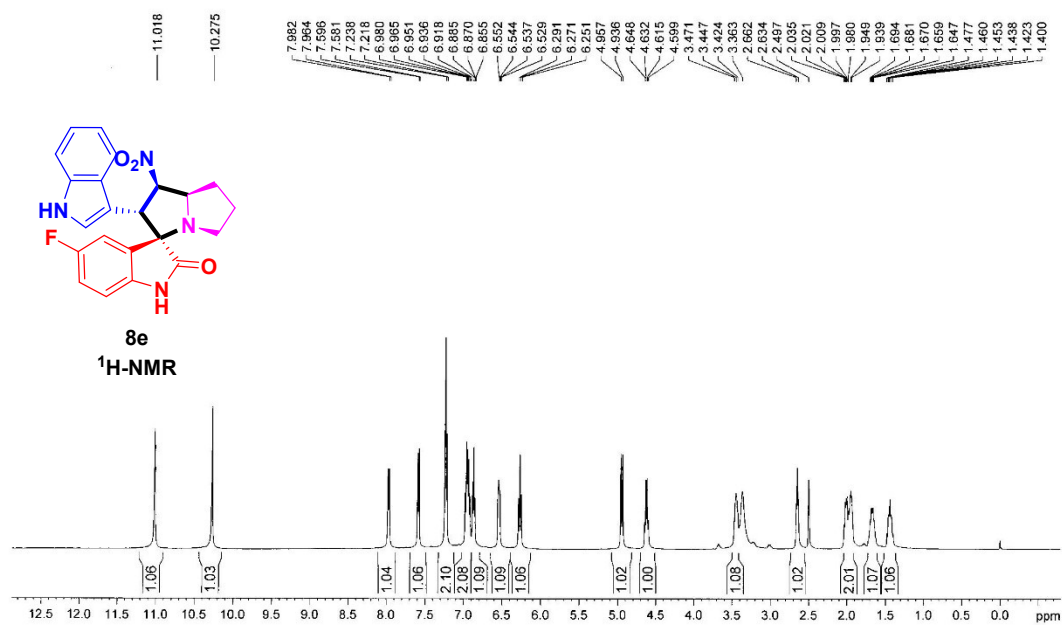
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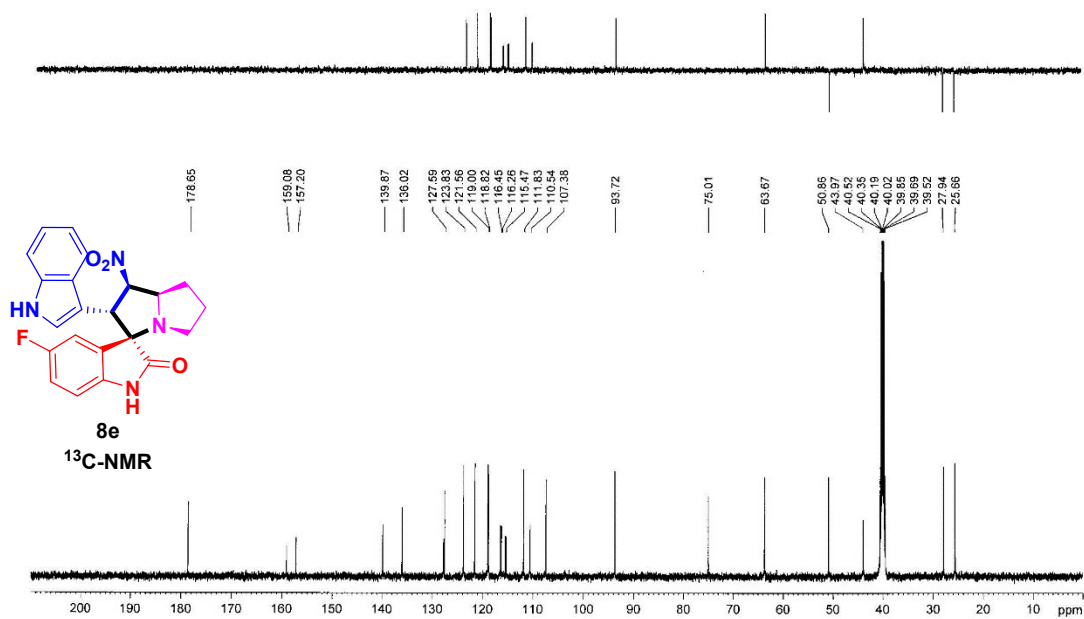
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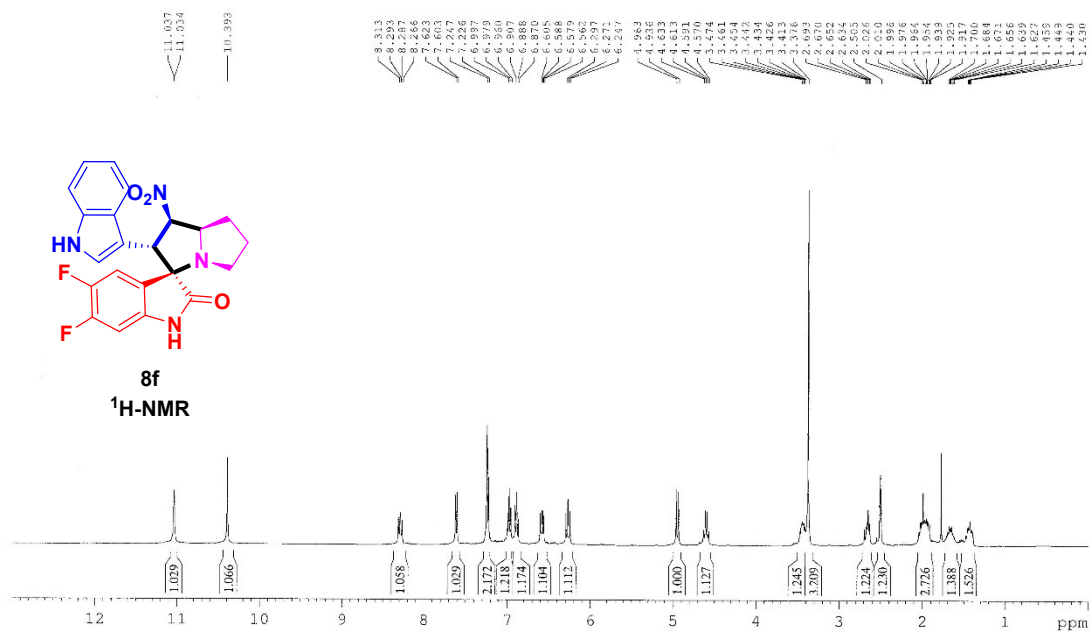
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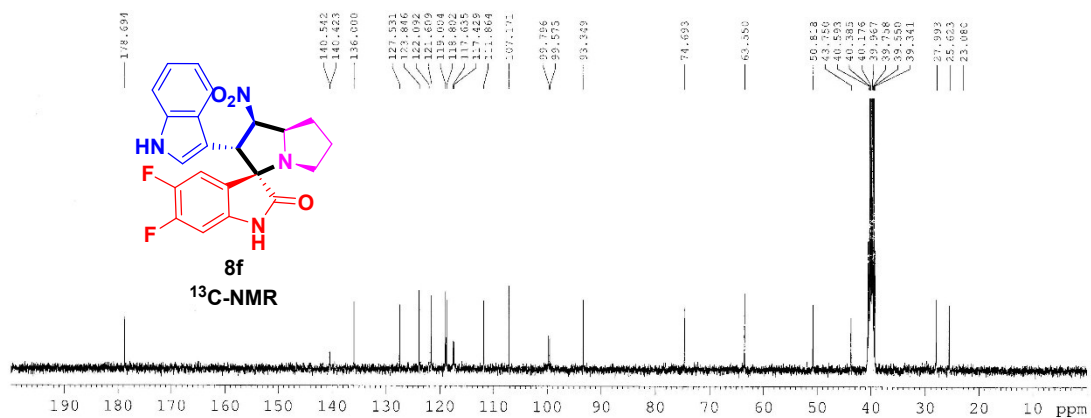
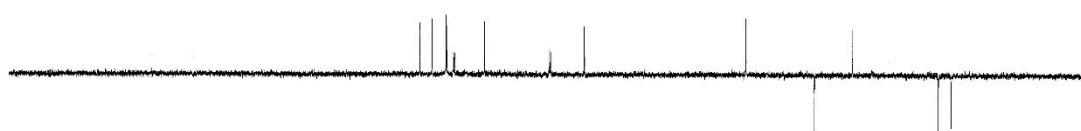
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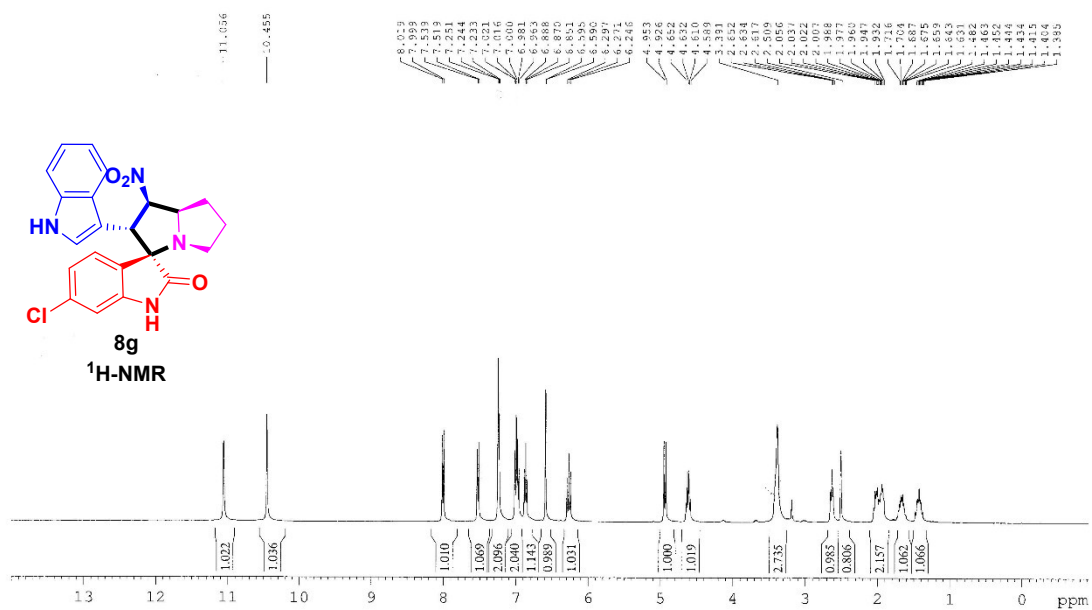
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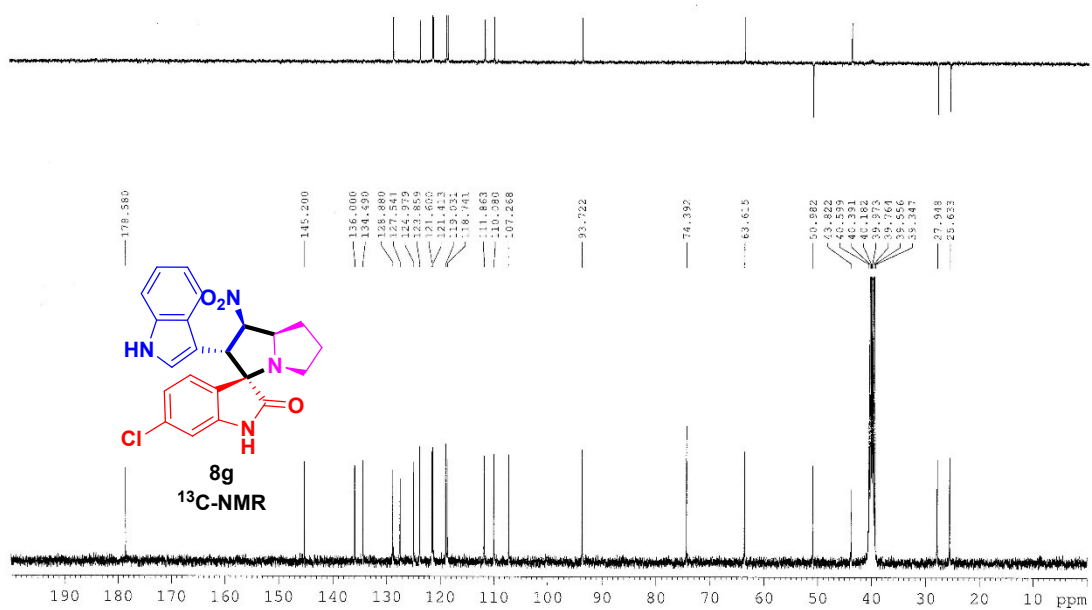
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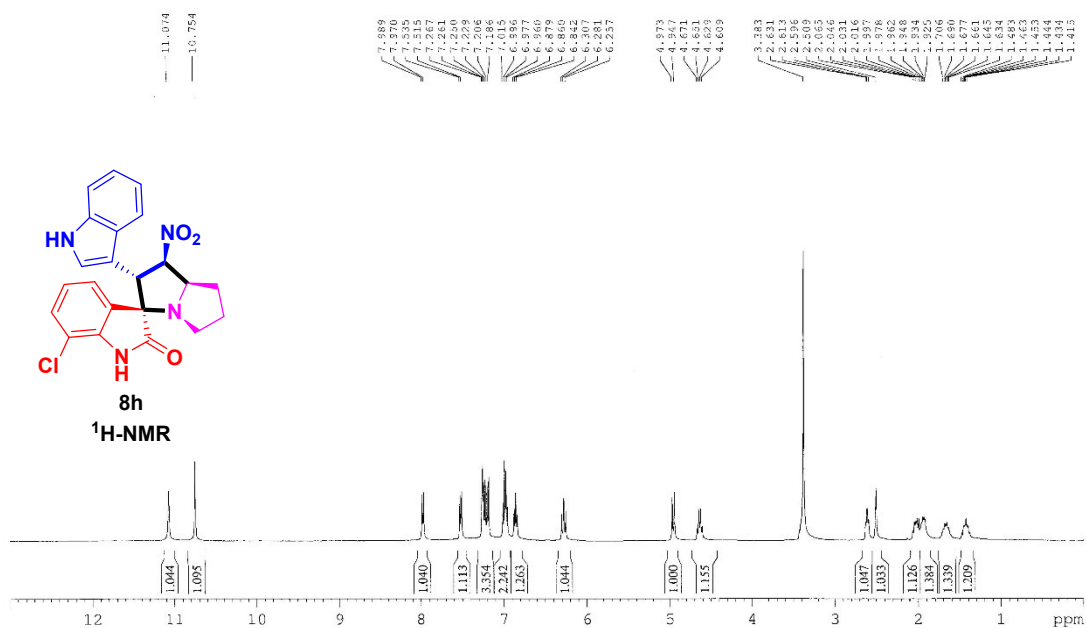
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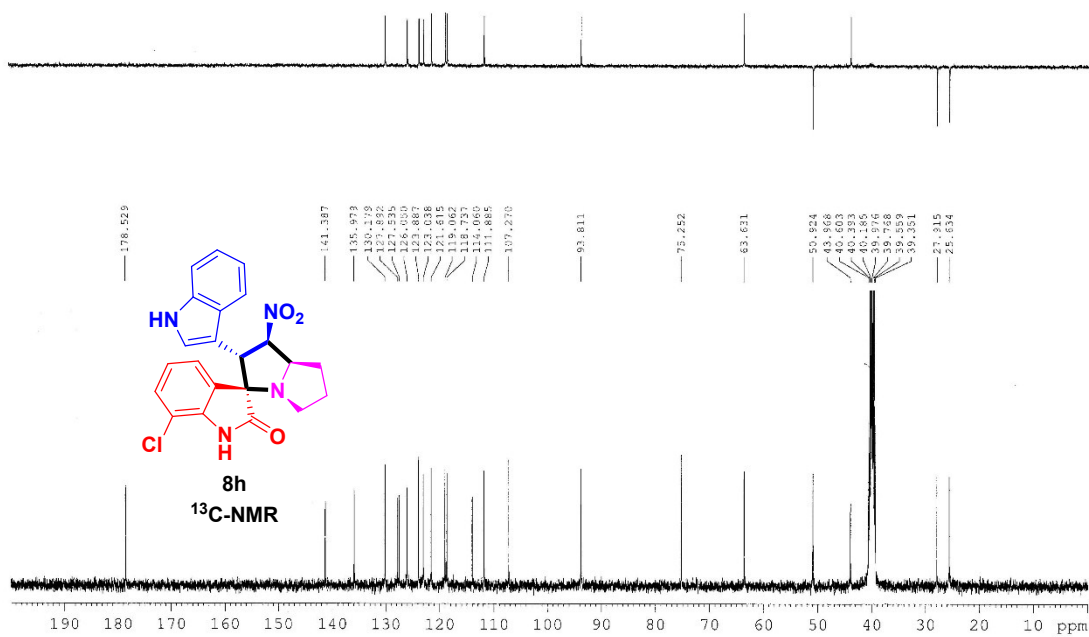
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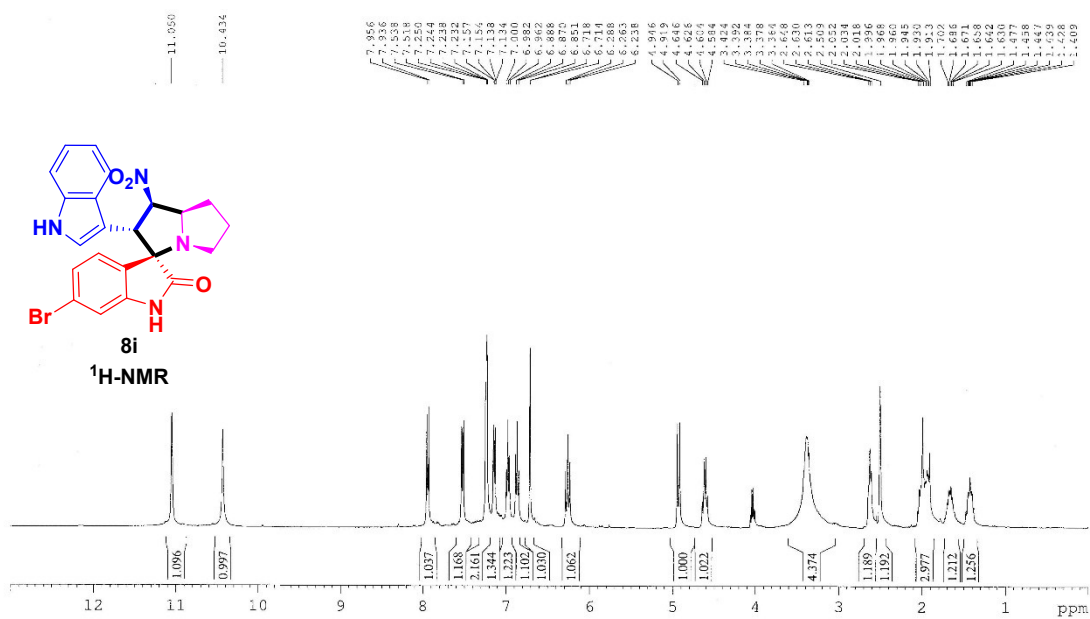
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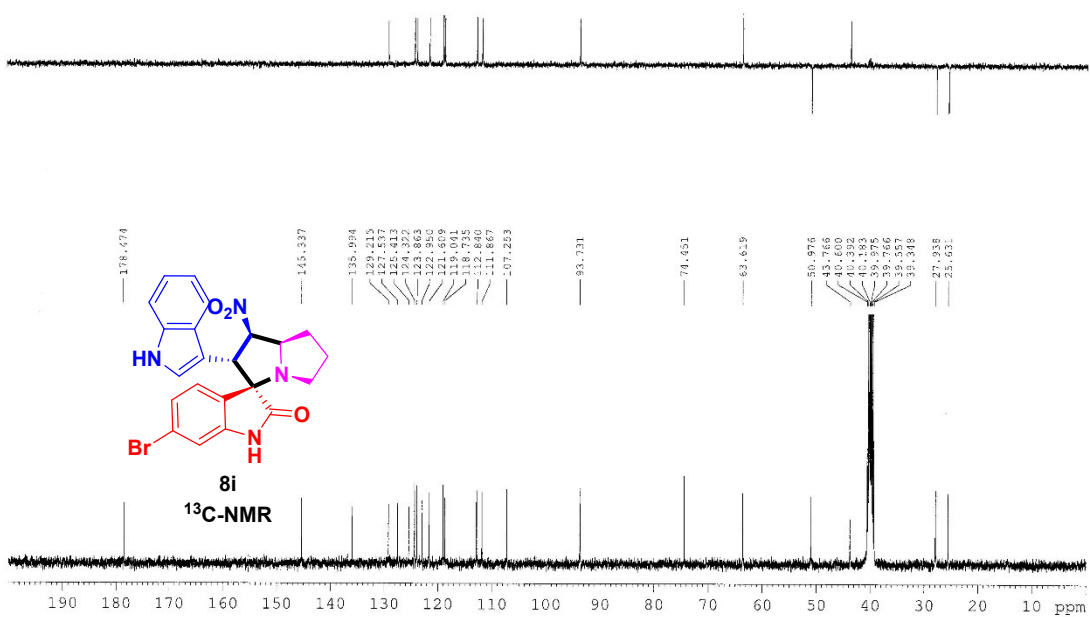
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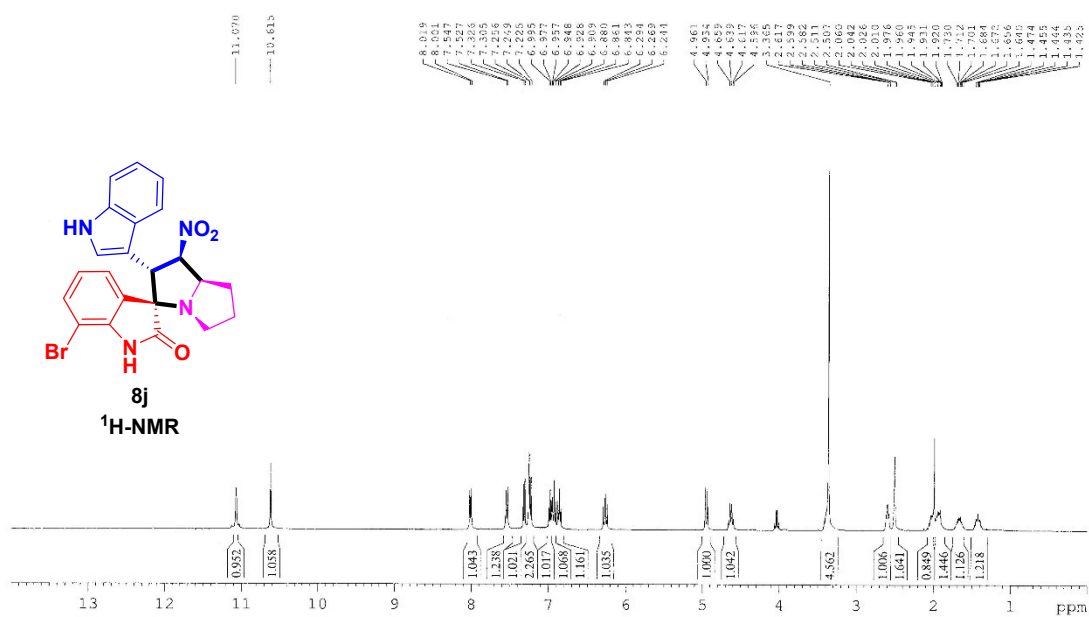
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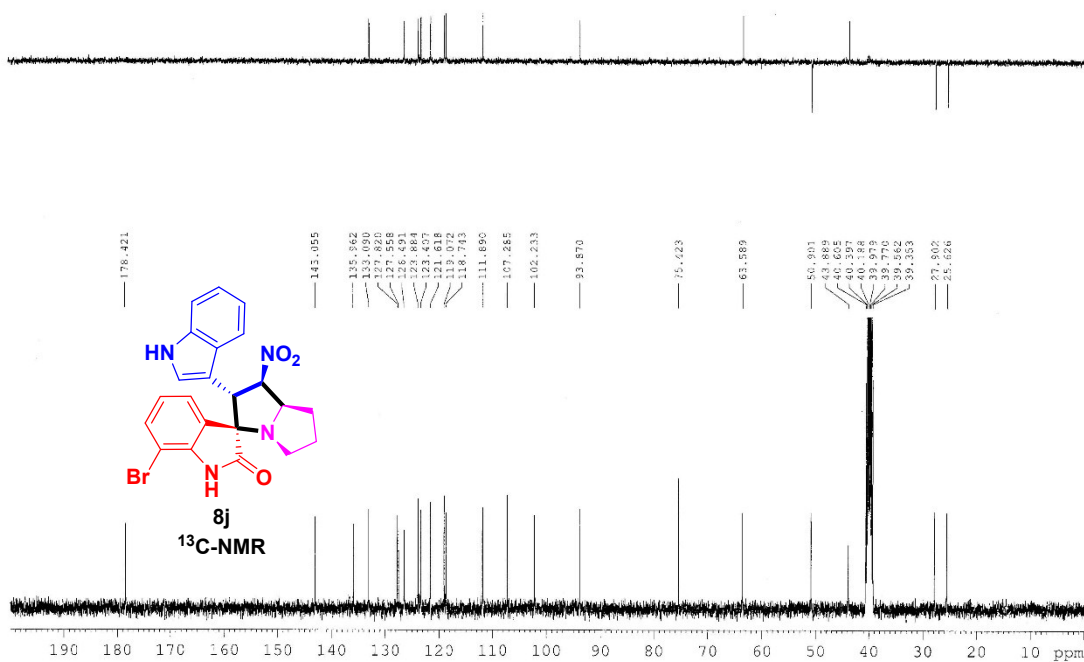
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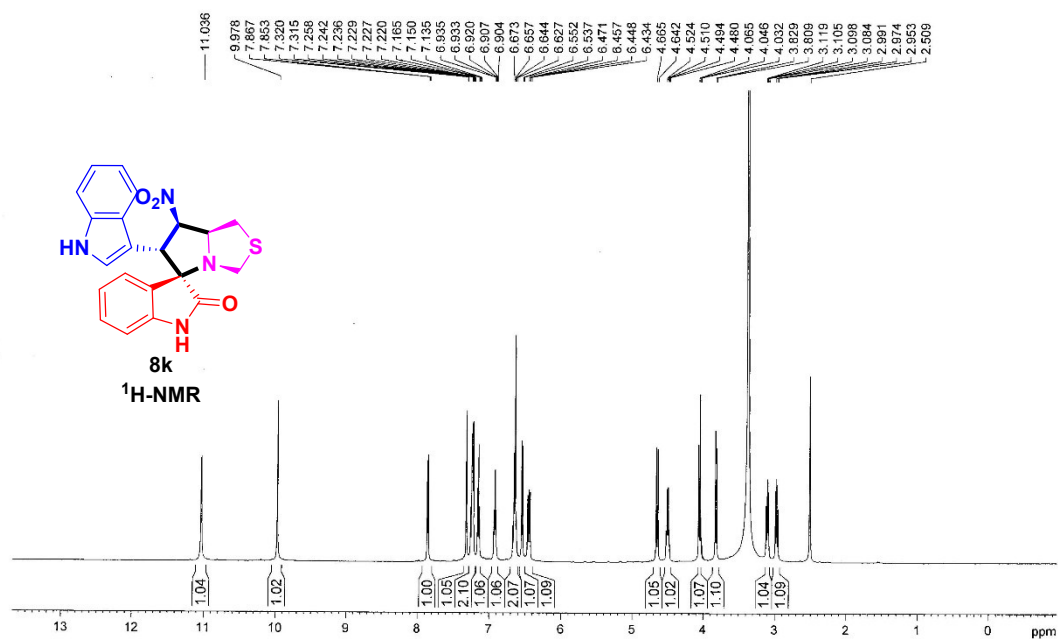
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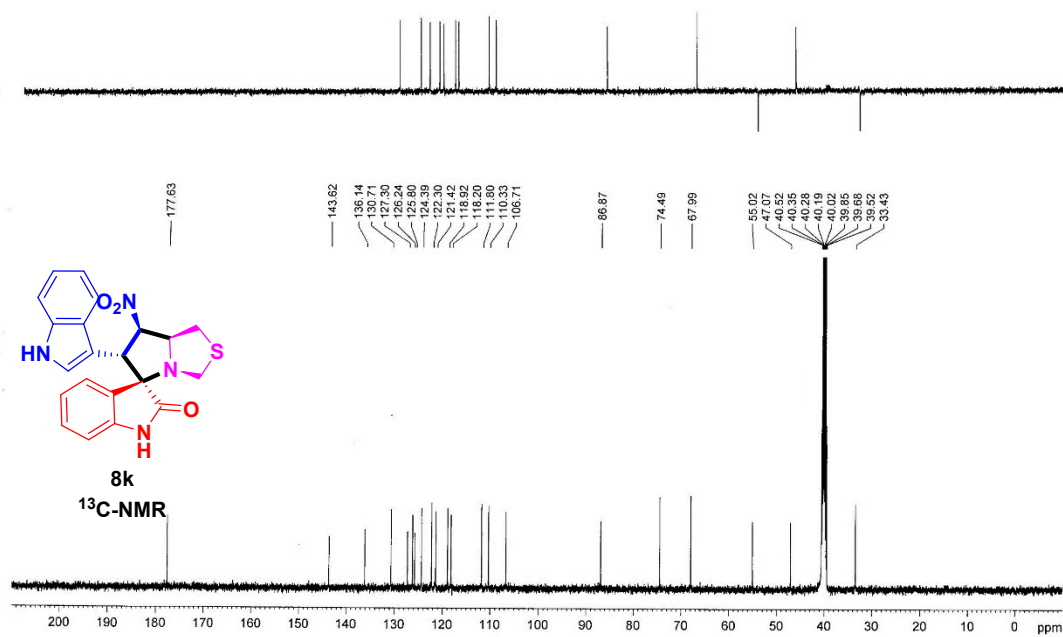
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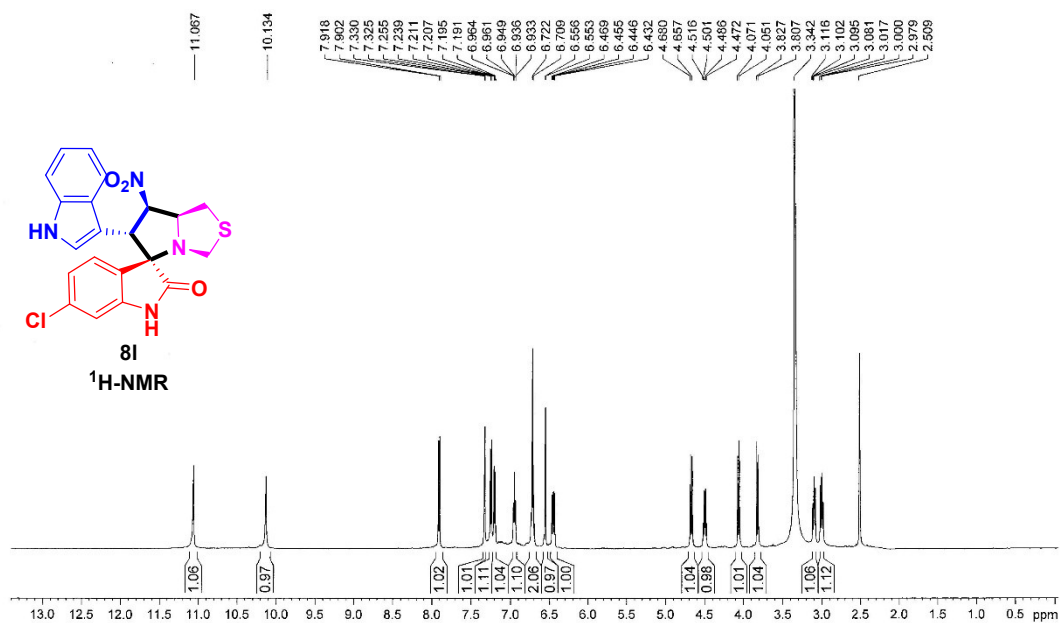
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PROTON DMSO



YUNNAN UNIVERSITY AVIIHHD500 55
C13CPD DMSO

