

Supporting Information

Combinatorial Synthesis of Spiro[indoline-3,2'-pyrrole] Derivatives *via* a Three-component Reaction under Catalyst- free Conditions

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X-Ray Crystallography Structures of Compounds **4b**

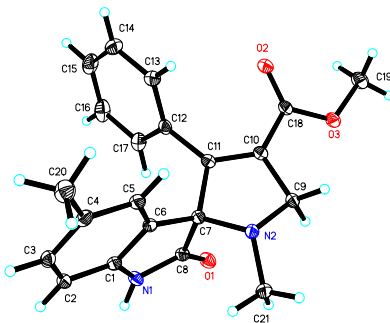
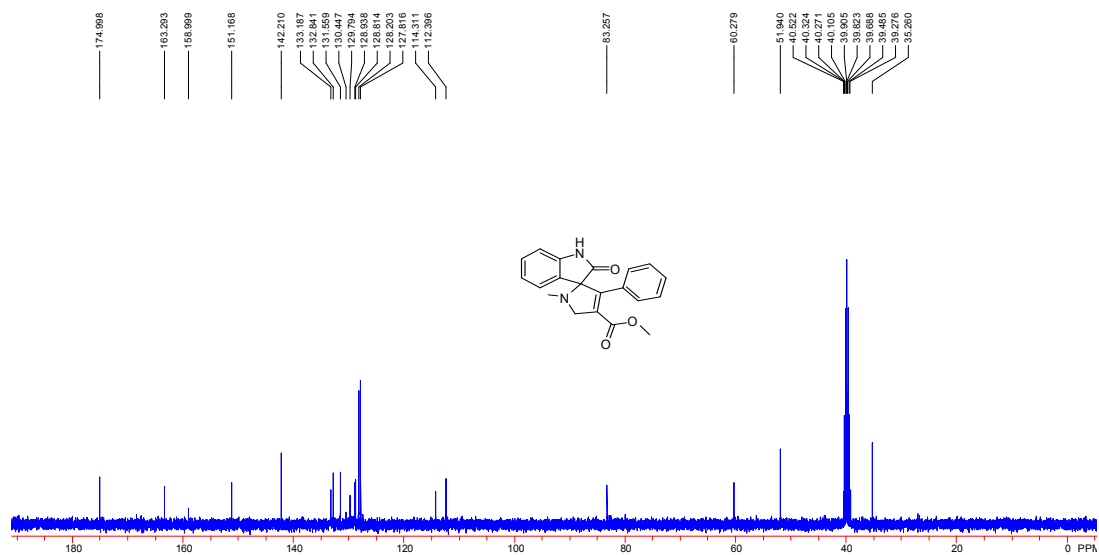
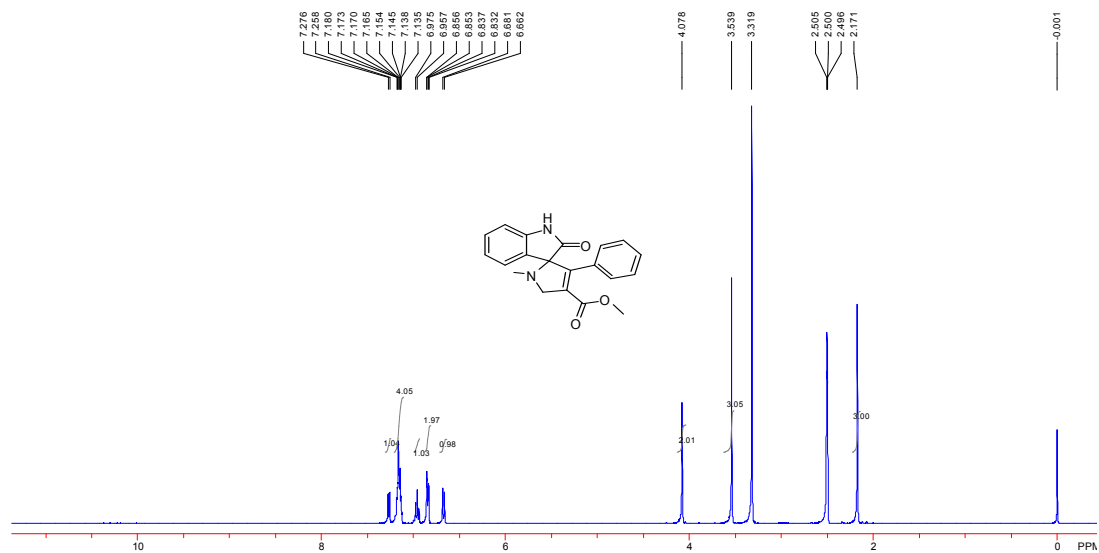
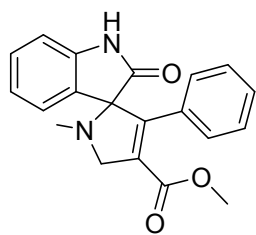


Figure 1. X-ray crystal structure of compound **4b**.

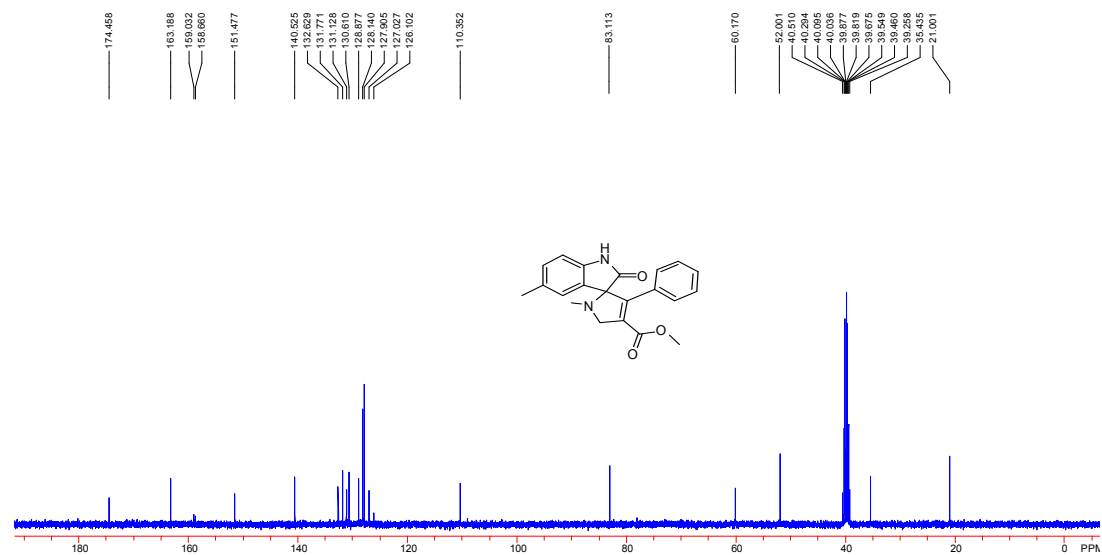
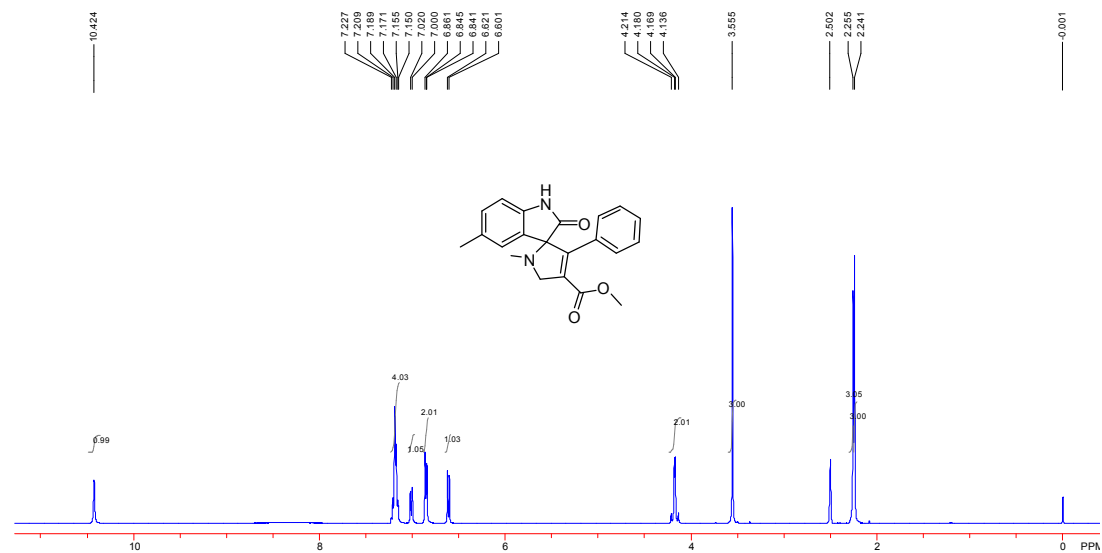
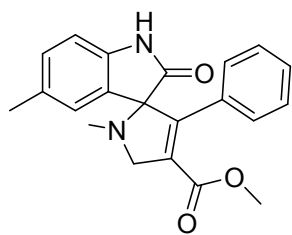
Crystal data for **4b**: $C_{21}H_{20}N_2O_3$, $M_r = 348.39$, Monoclinic, $a = 12.9571(10) \text{ \AA}$, $b = 9.0882(8) \text{ \AA}$, $c = 14.8304(2) \text{ \AA}$, $\alpha = 90^\circ$, $\beta = 92.225(2)^\circ$, $\gamma = 90^\circ$, $V = 1745.1(2) \text{ \AA}^3$, $T = 133(2) \text{ K}$, space group $P21/n$, $Z = 4$, 12398 reflections collected, 3430 unique ($R_{\text{int}} = 0.0213$) which were used in all calculation. The ellipsoid contour probability level in the caption is 30%.

Crystallographic data for compound **4b** reported in this paper have been deposited with the Cambridge Crystallographic Data Centre as supplementary publication no. CCDC-1436295.

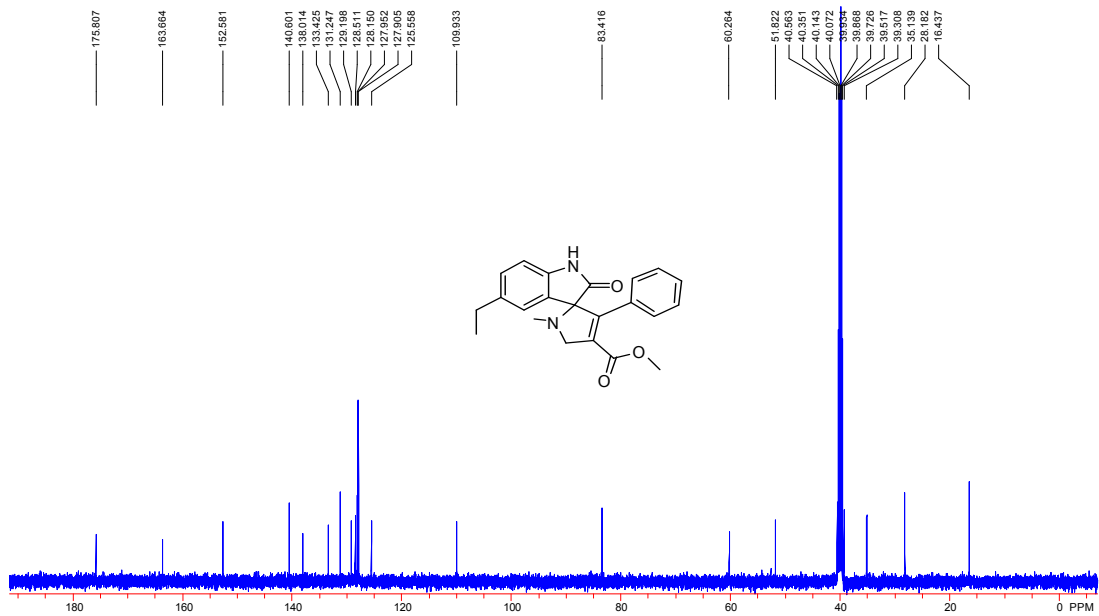
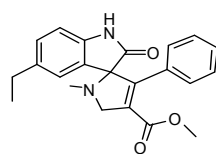
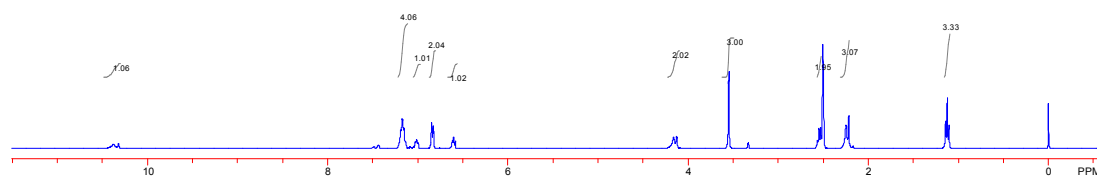
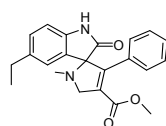
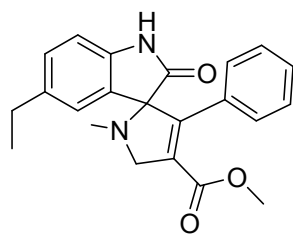
¹H NMR and ¹³C NMR Spectra of Compound 4a



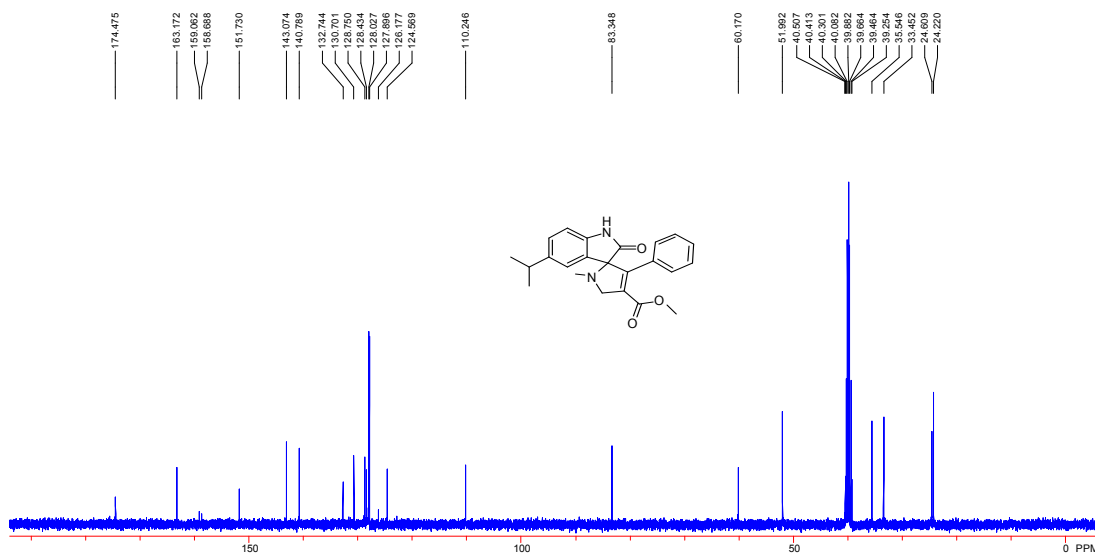
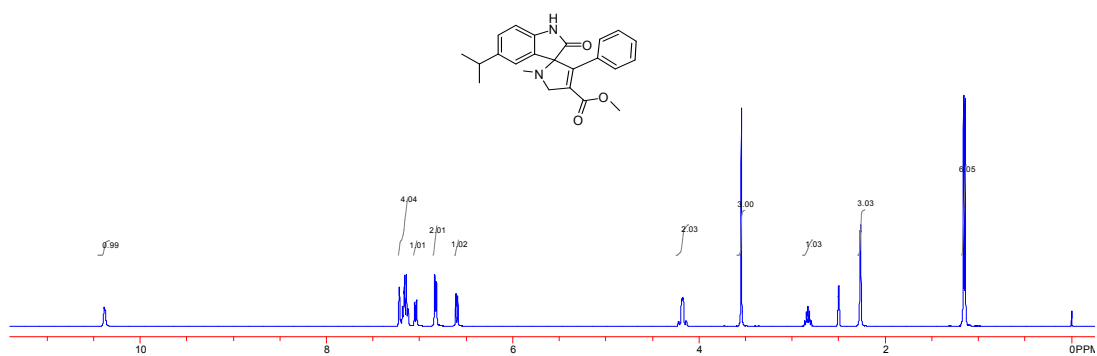
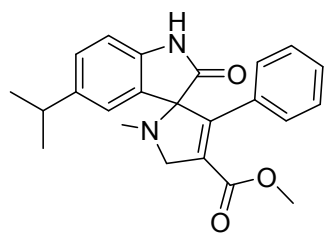
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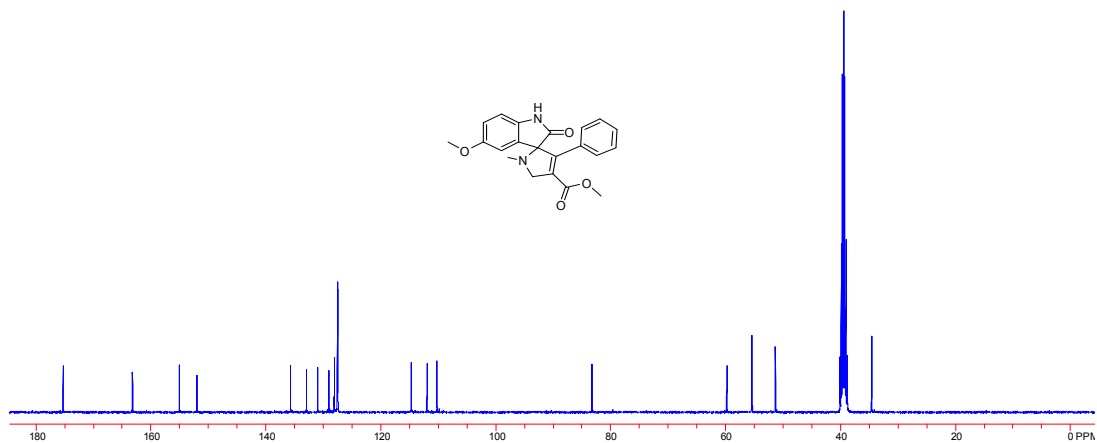
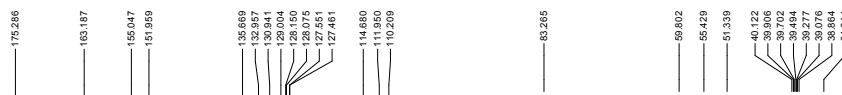
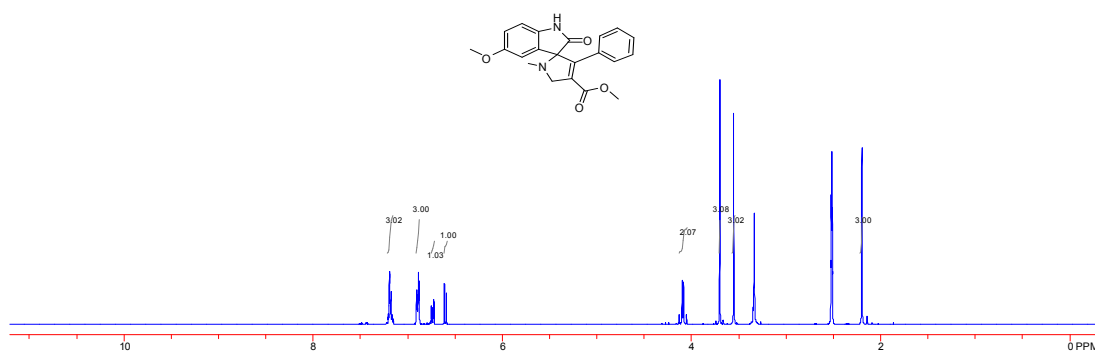
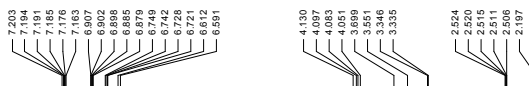
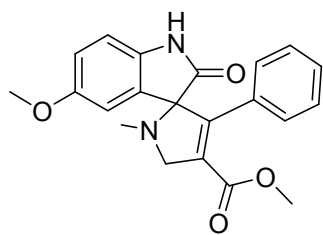
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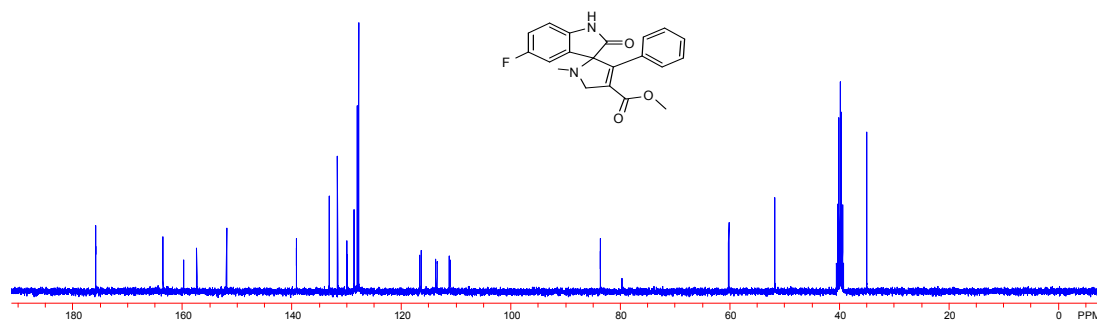
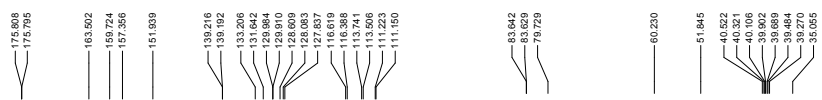
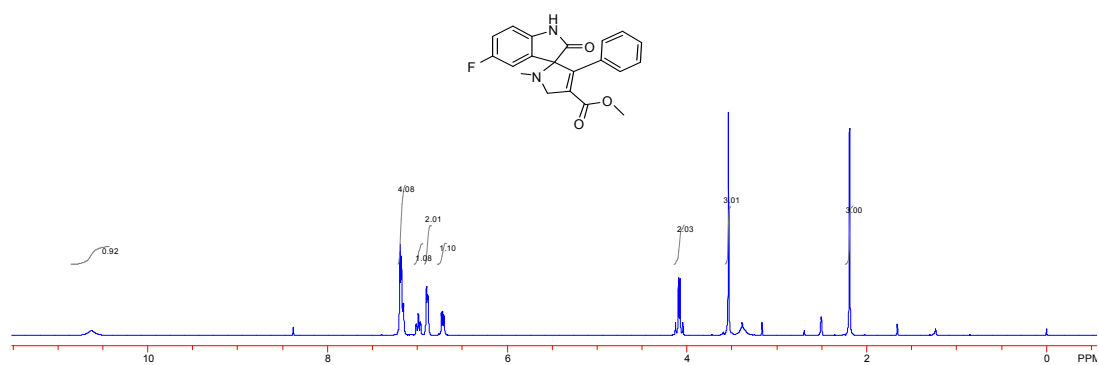
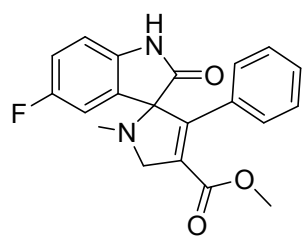
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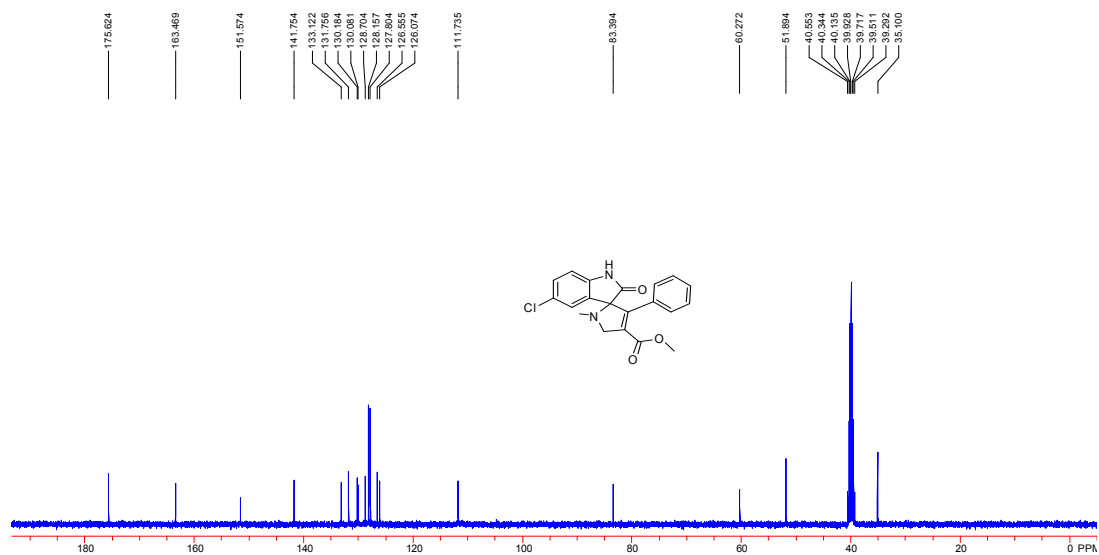
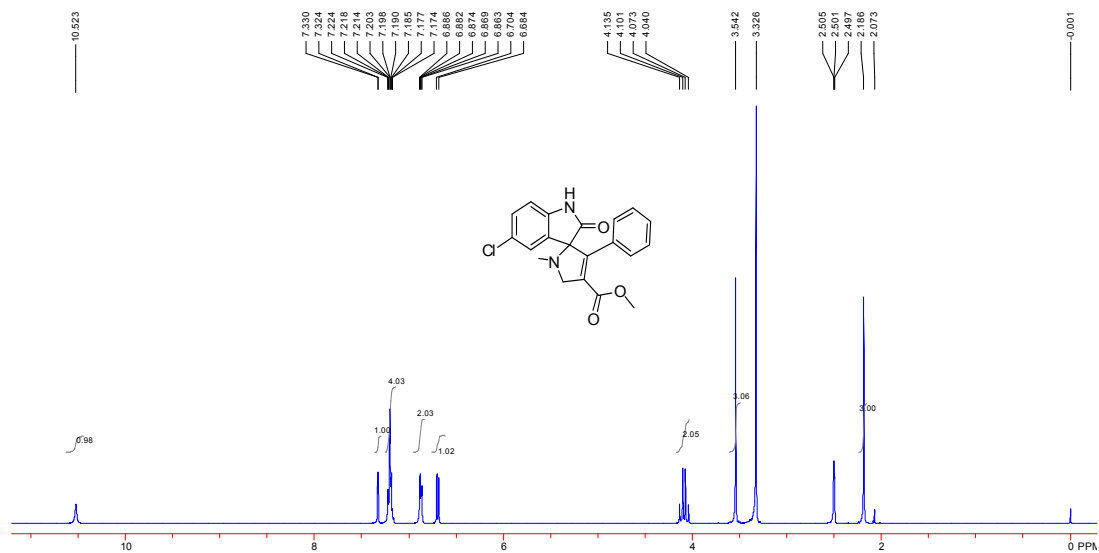
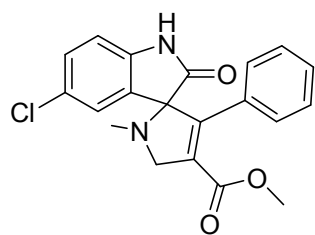
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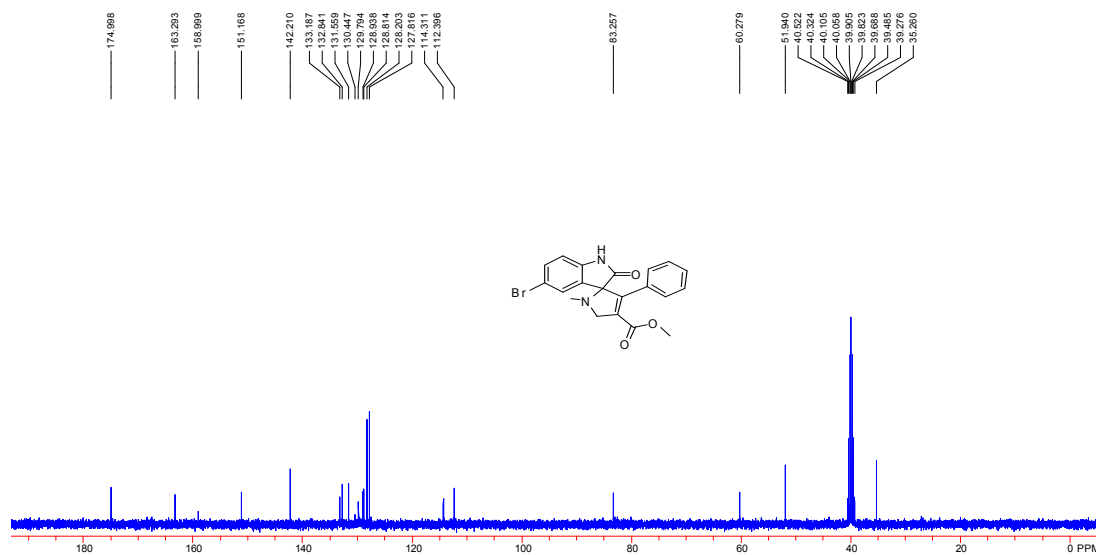
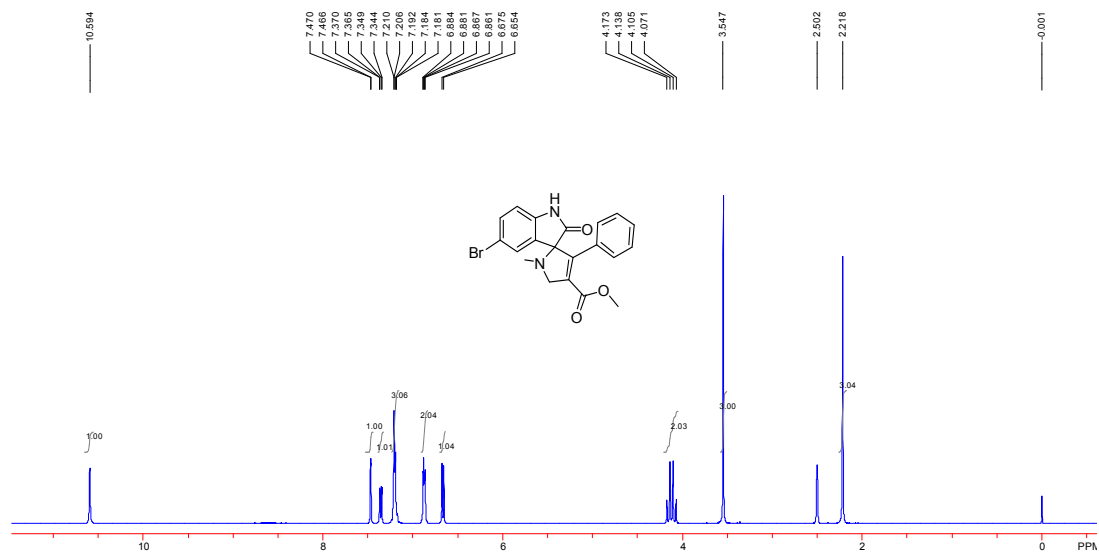
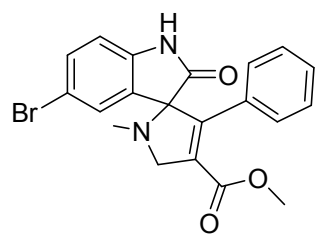
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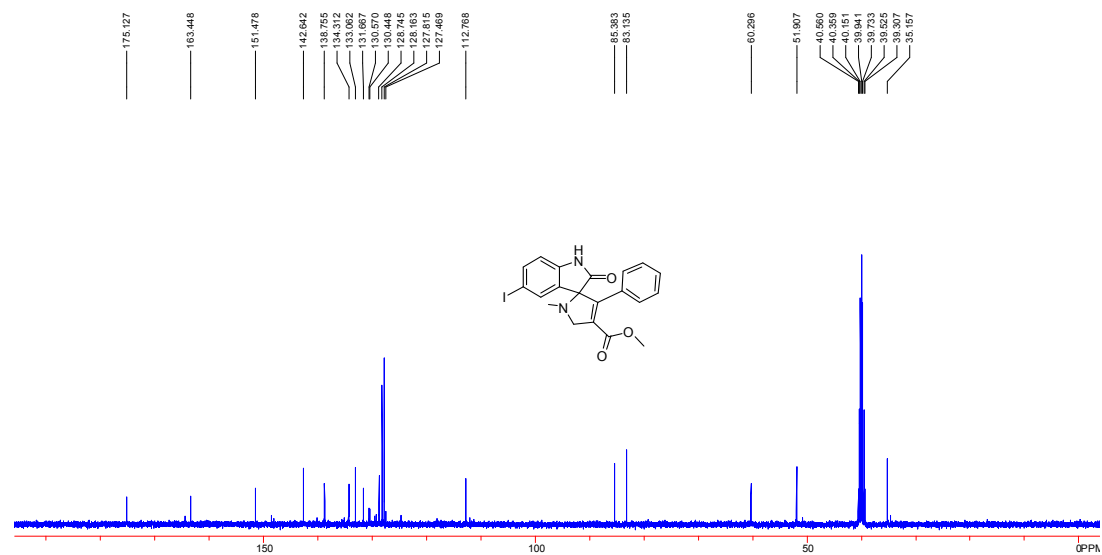
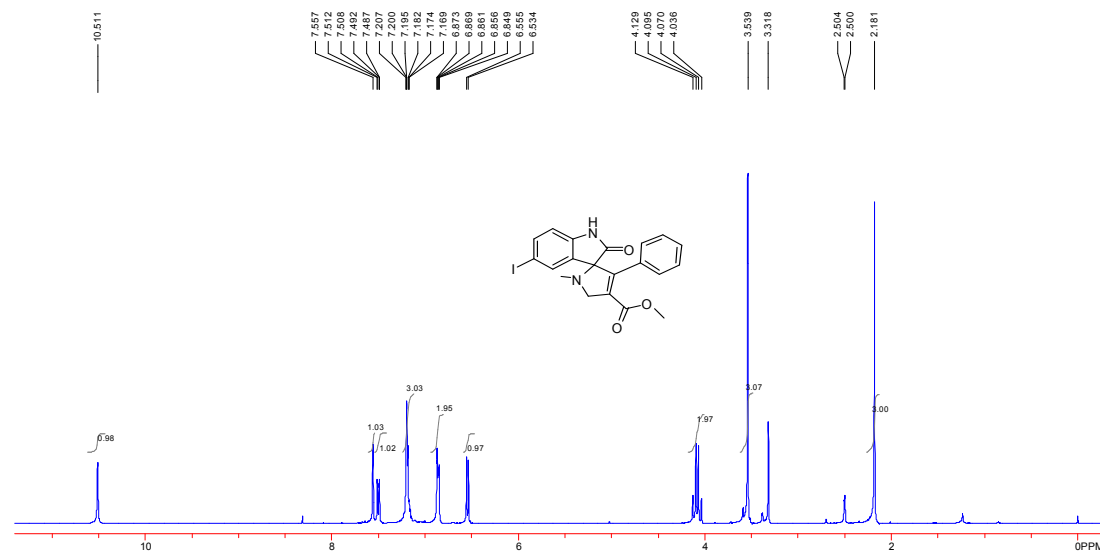
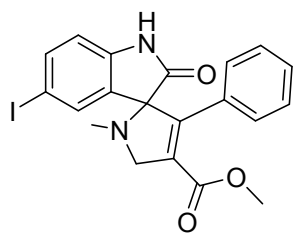
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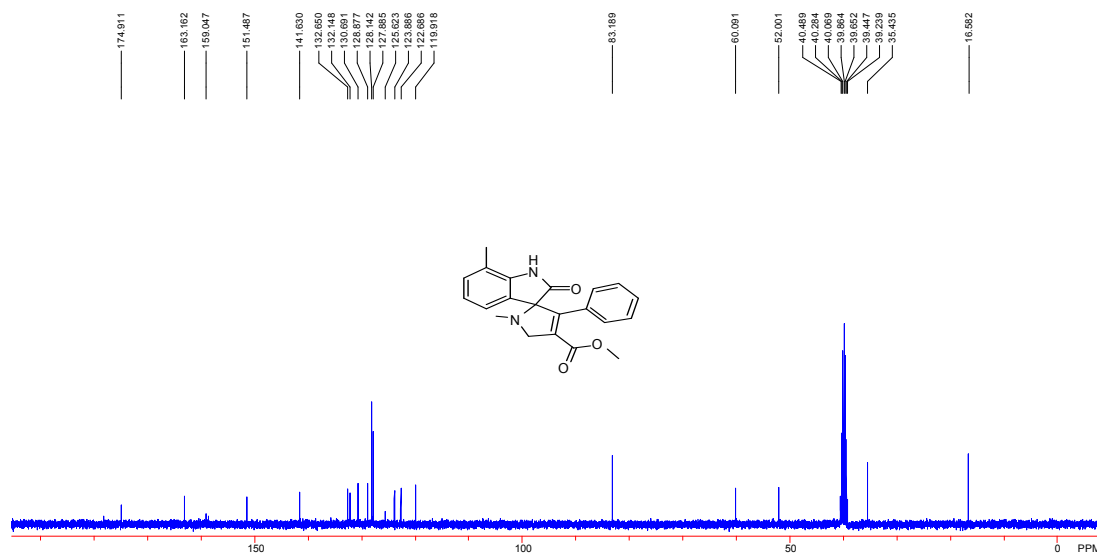
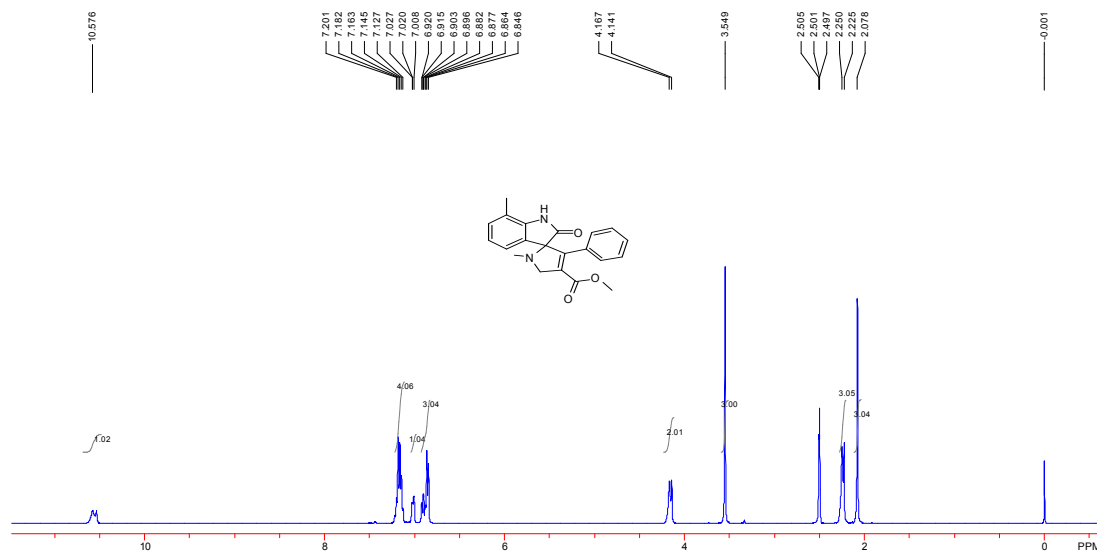
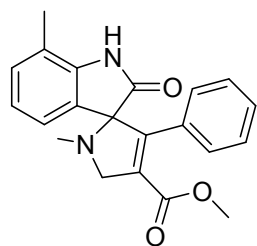
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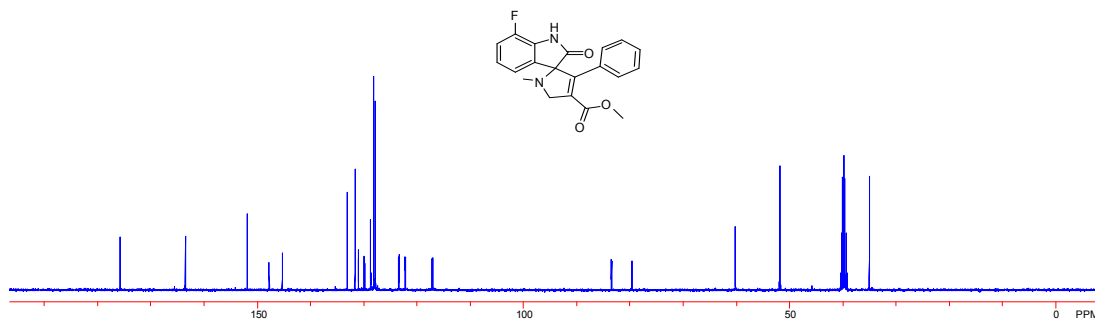
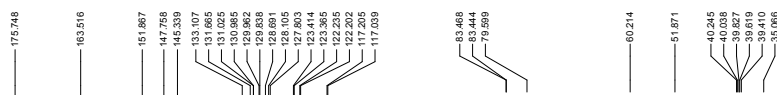
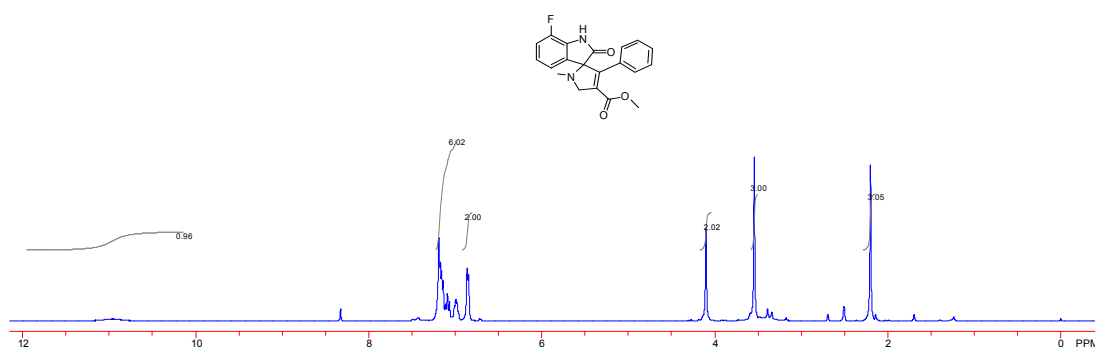
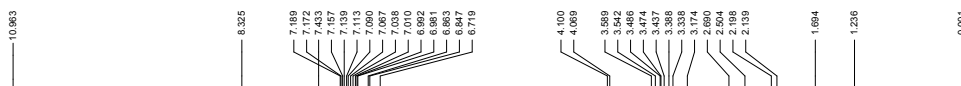
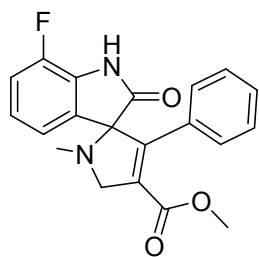
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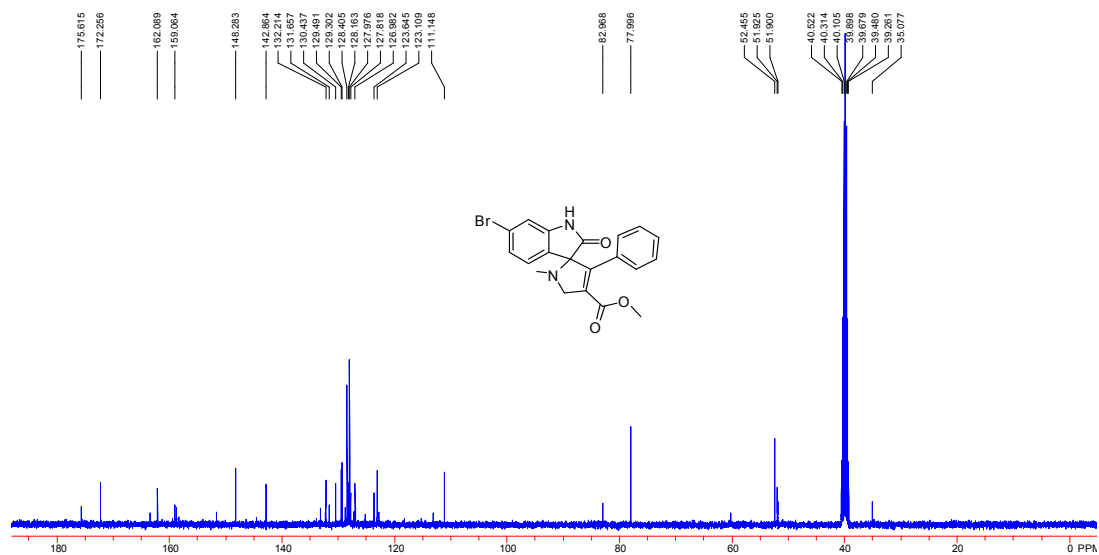
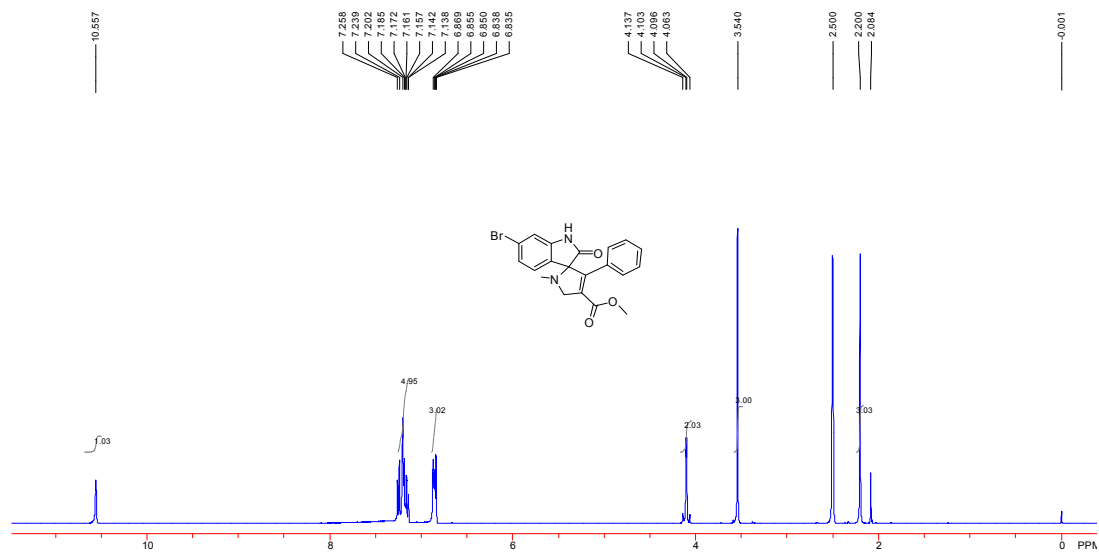
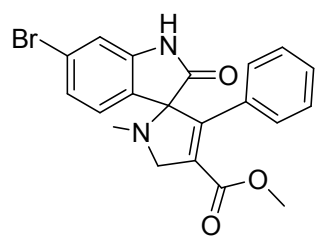
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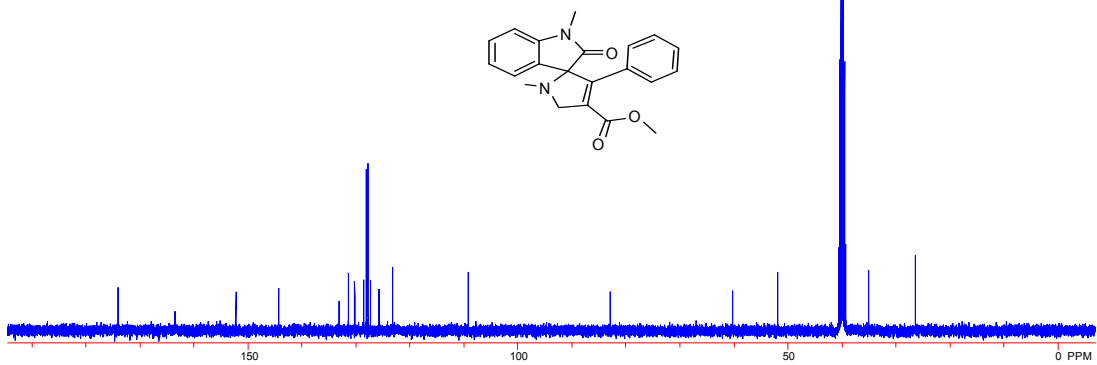
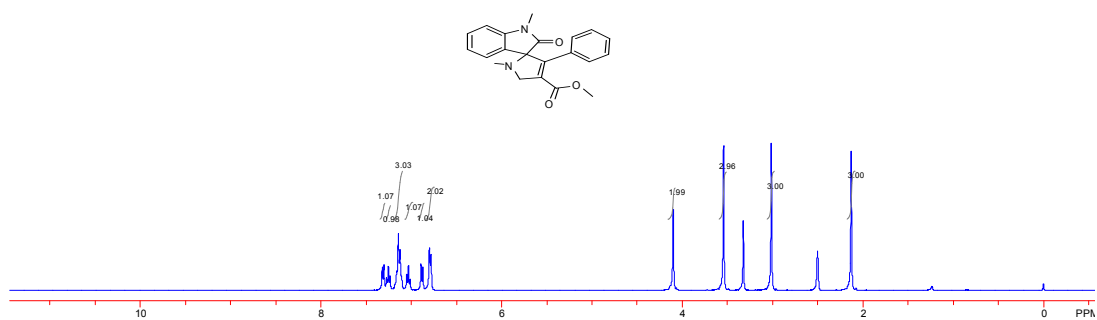
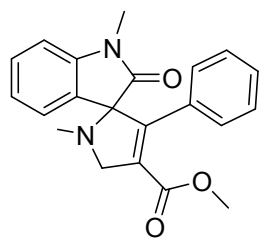
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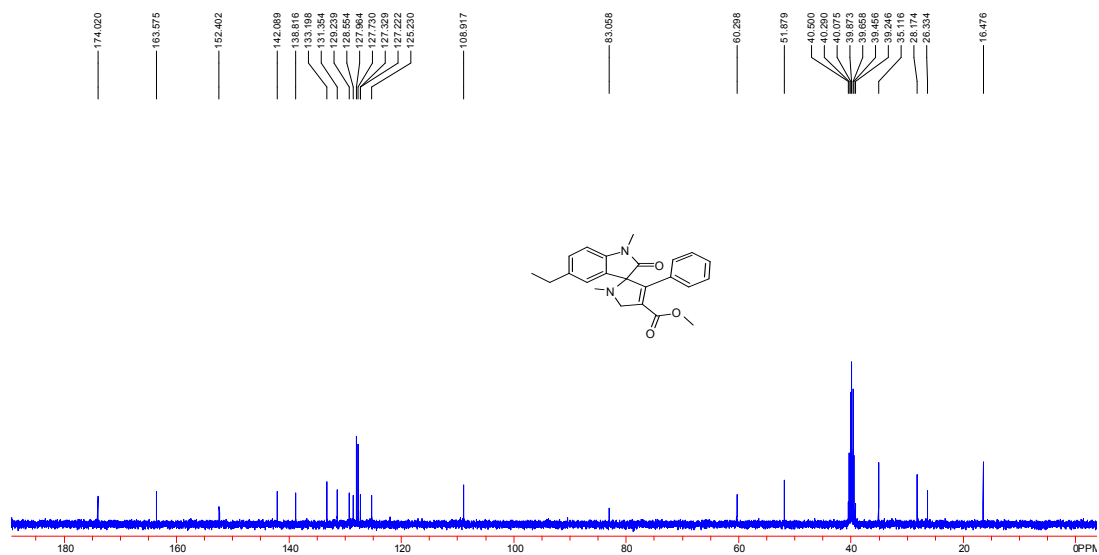
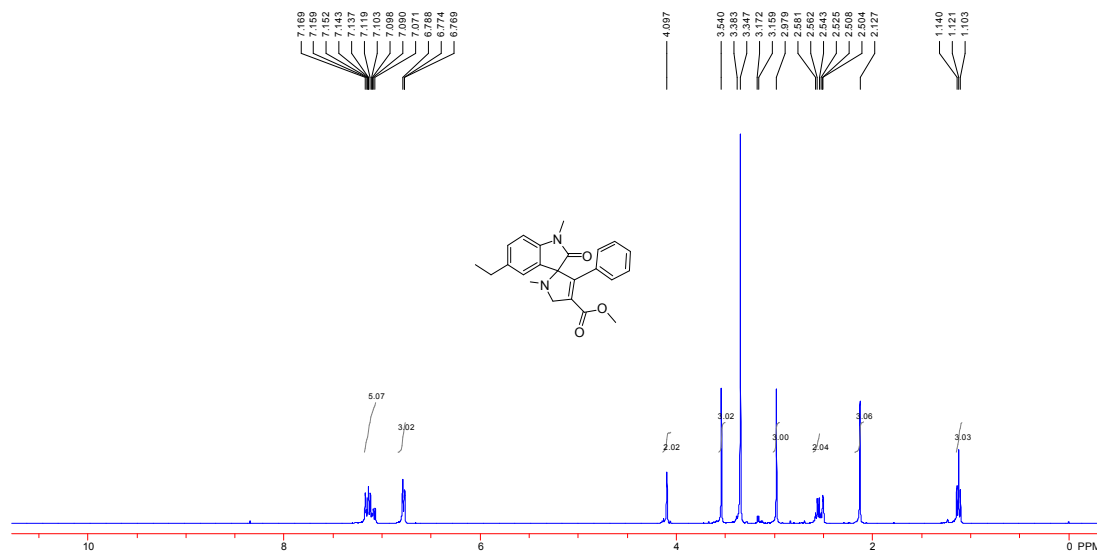
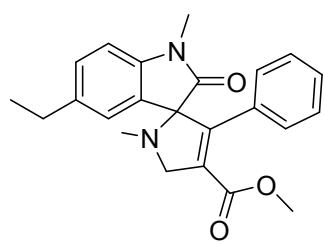
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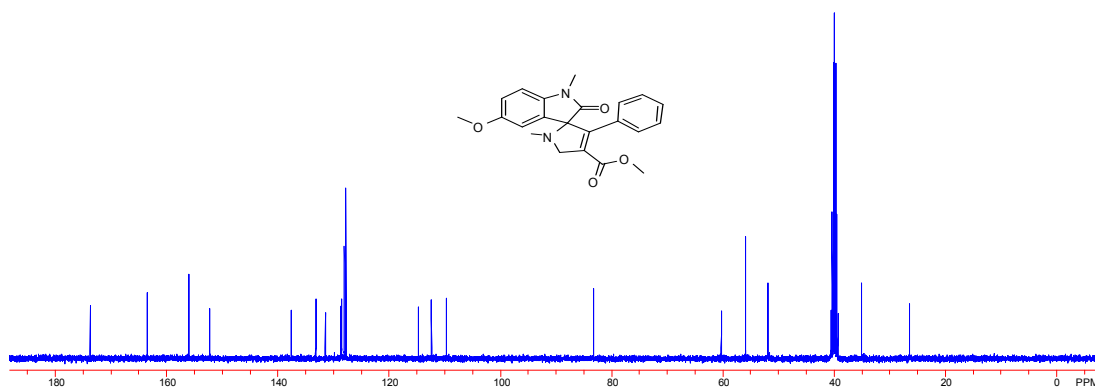
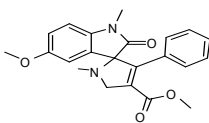
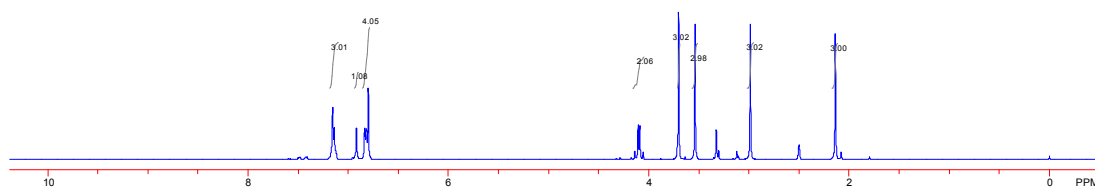
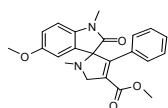
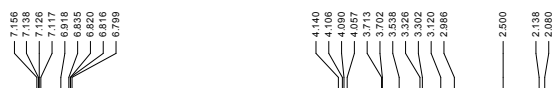
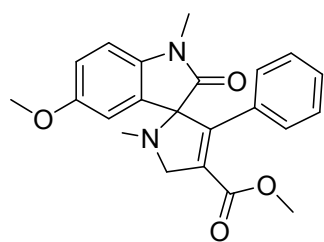
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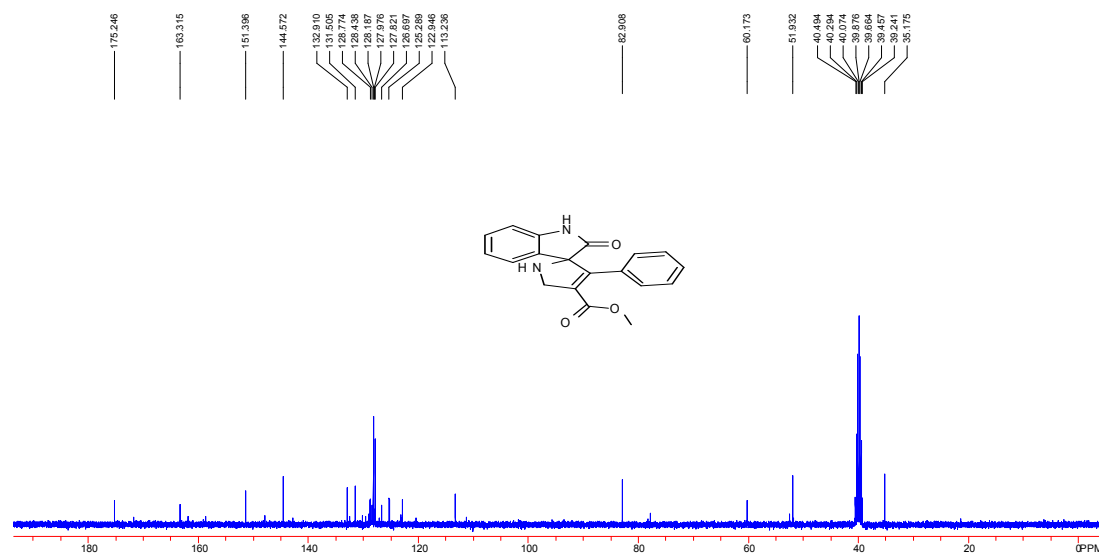
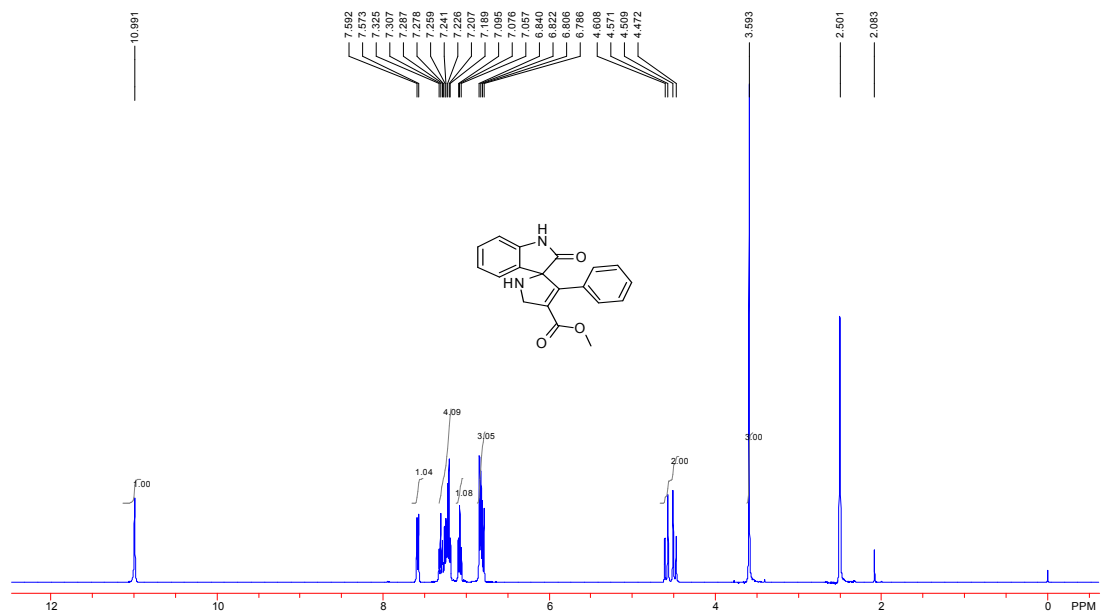
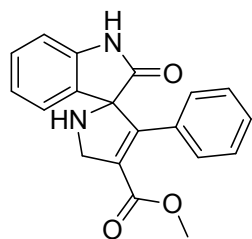
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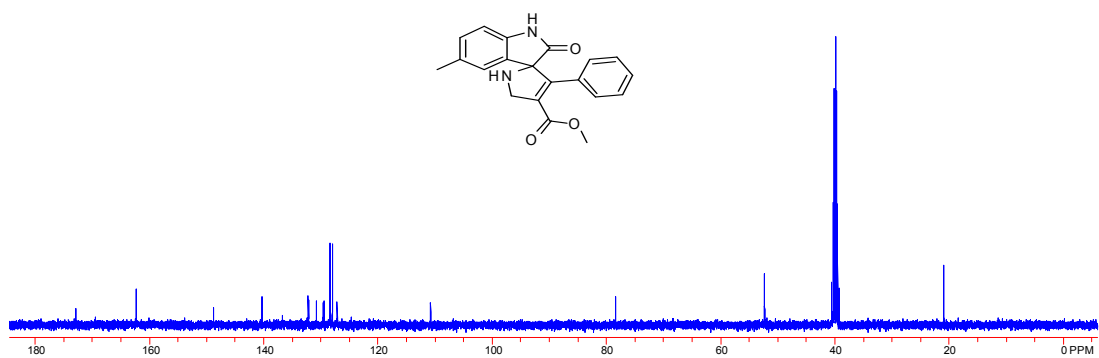
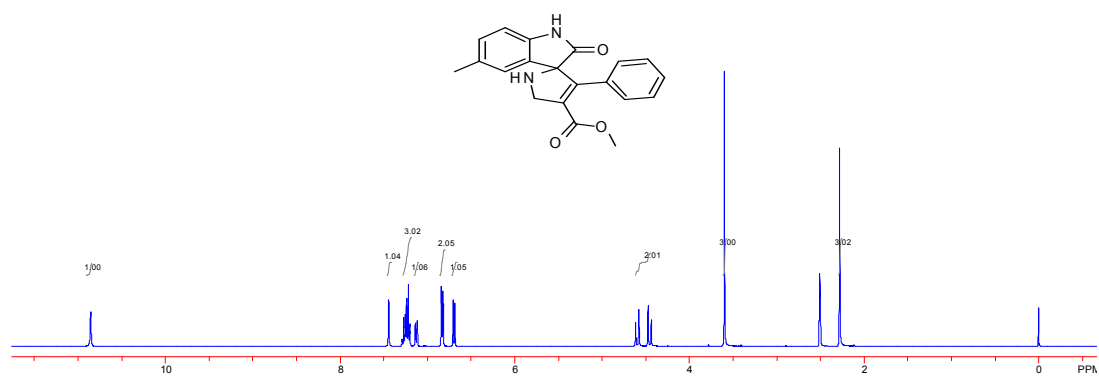
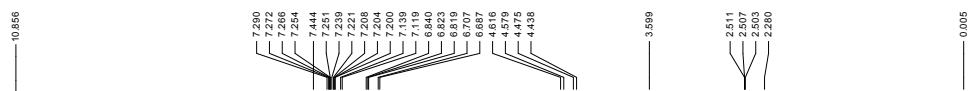
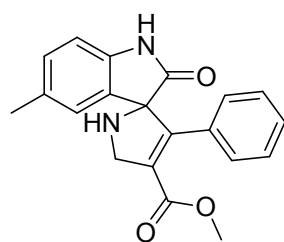
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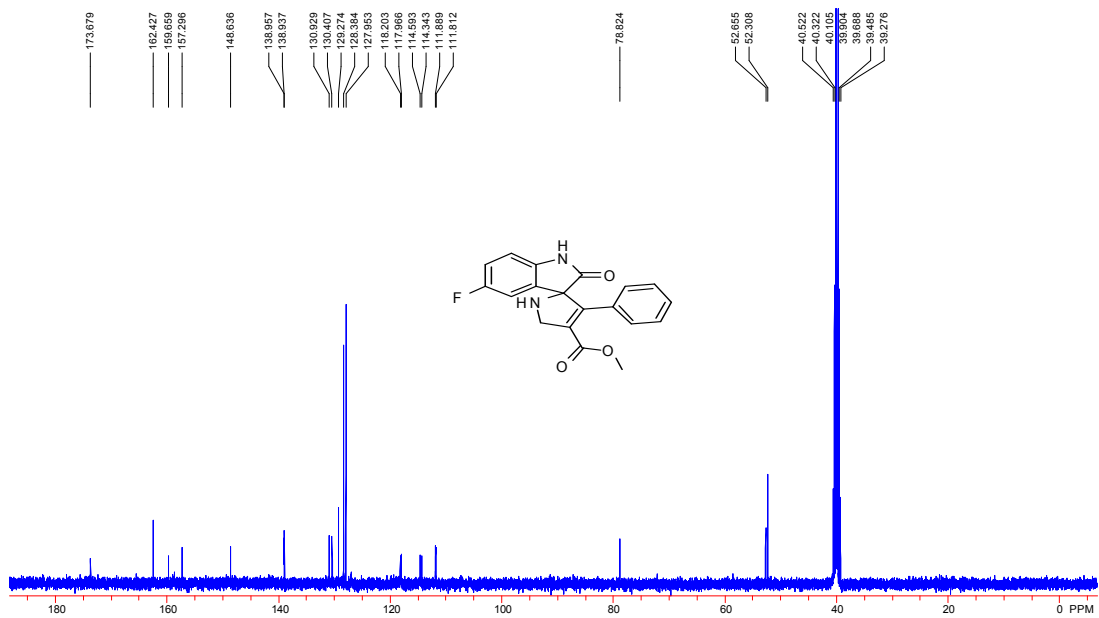
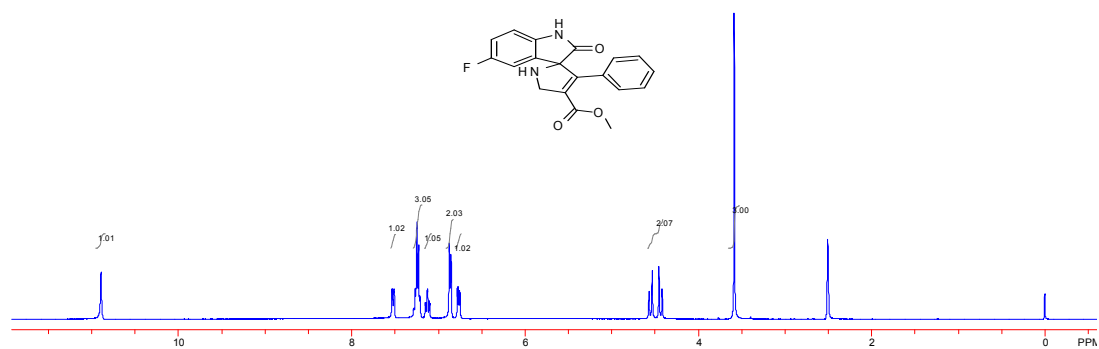
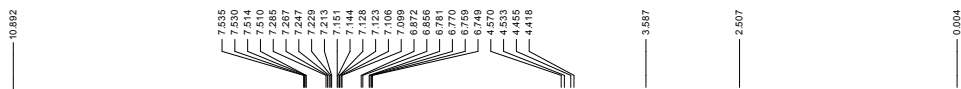
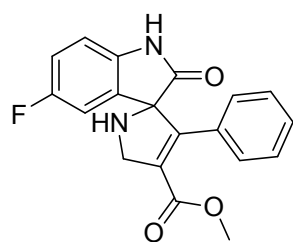
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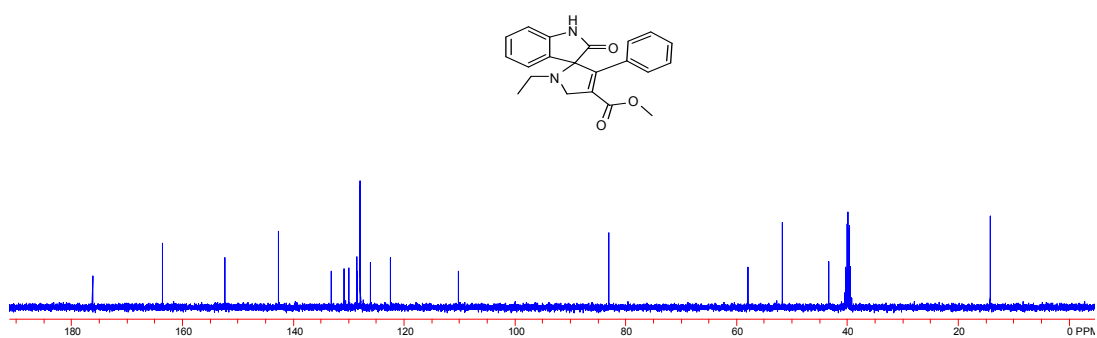
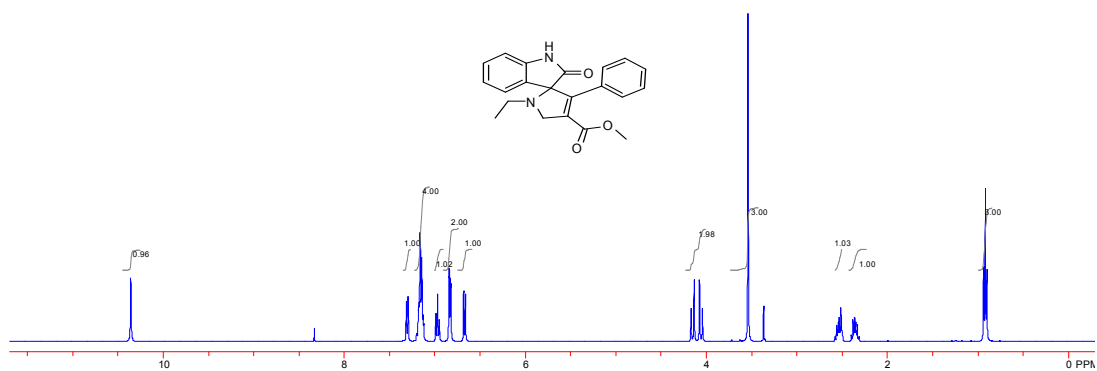
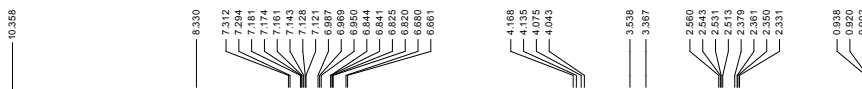
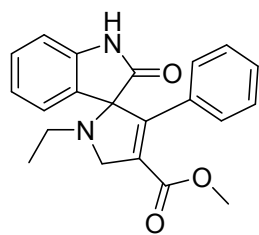
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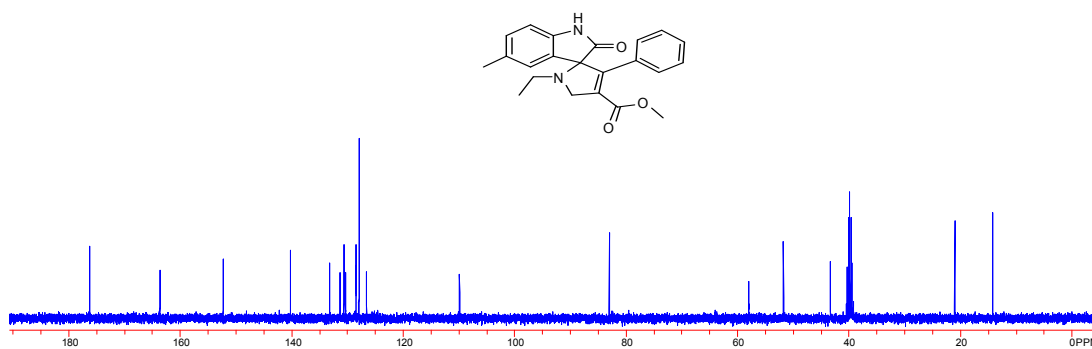
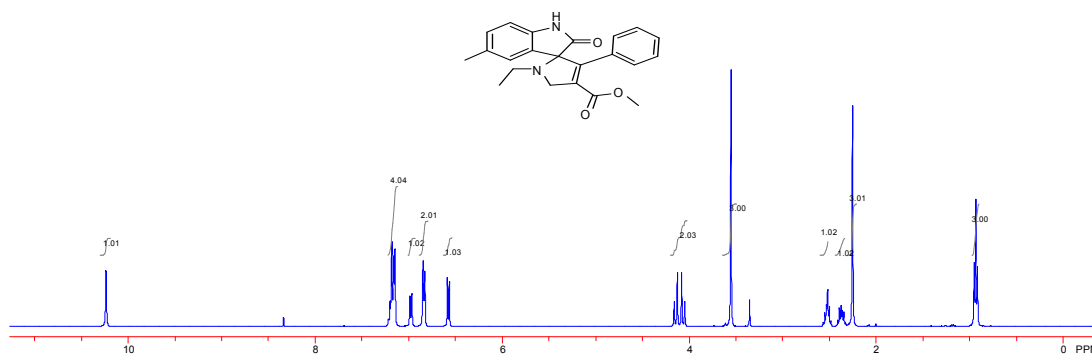
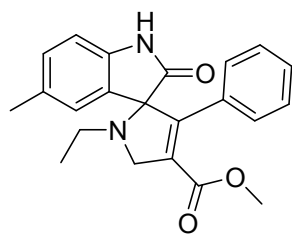
^1H NMR and ^{13}C NMR Spectra of Compound 4r



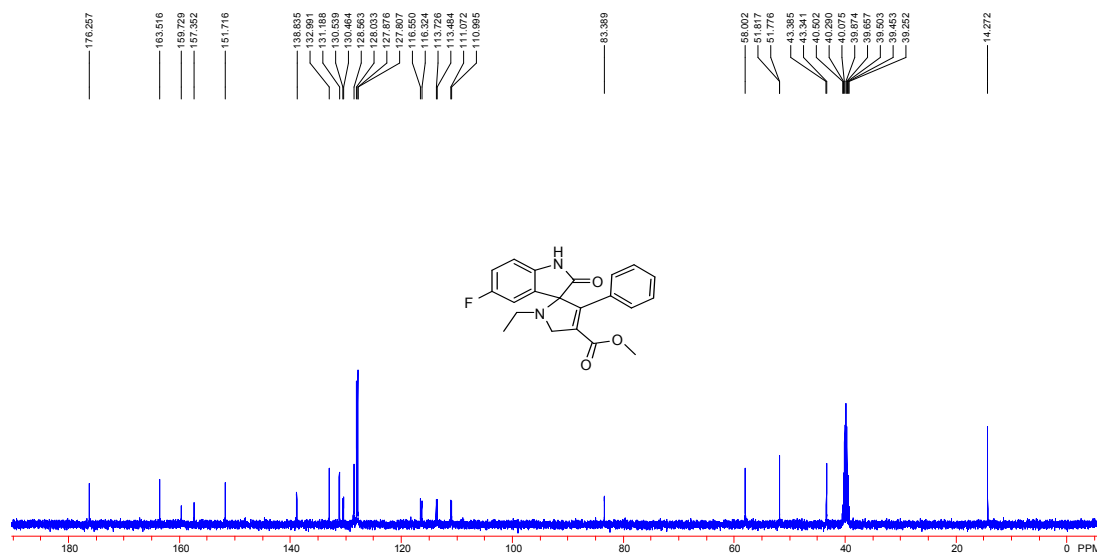
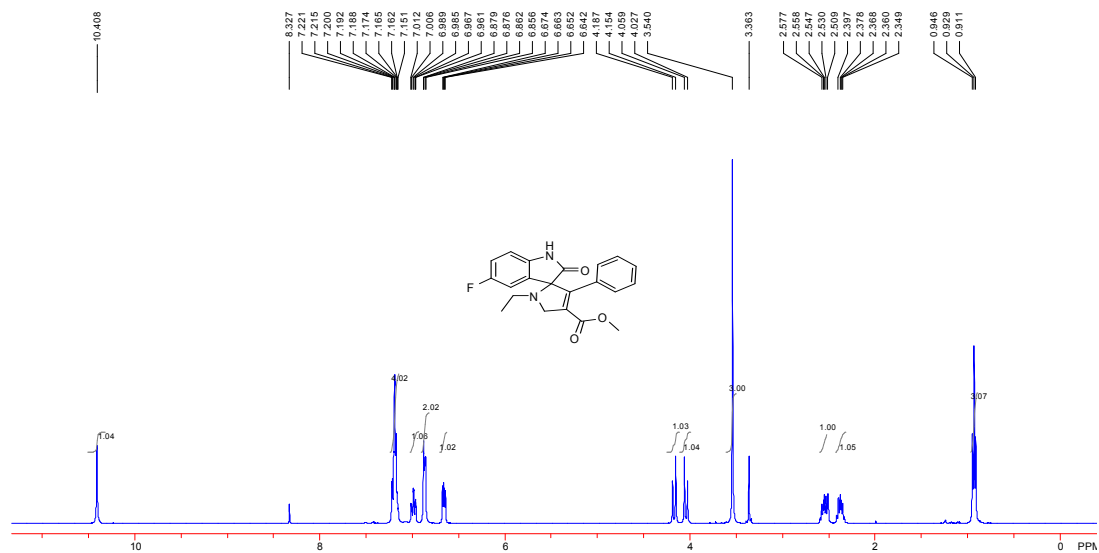
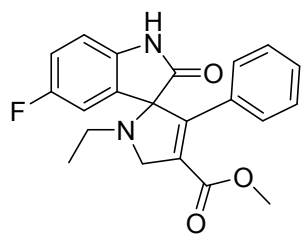
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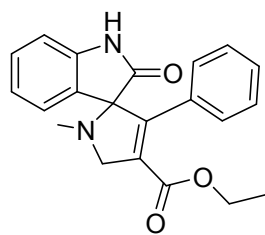
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¹H NMR and ¹³C NMR Spectra of Compound 4u



¹H NMR and ¹³C NMR Spectra of Compound 4v



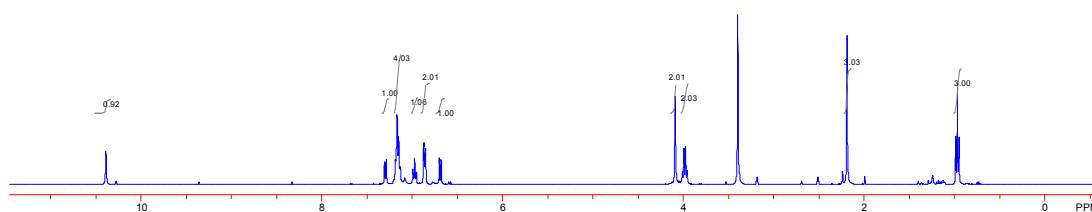
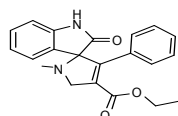
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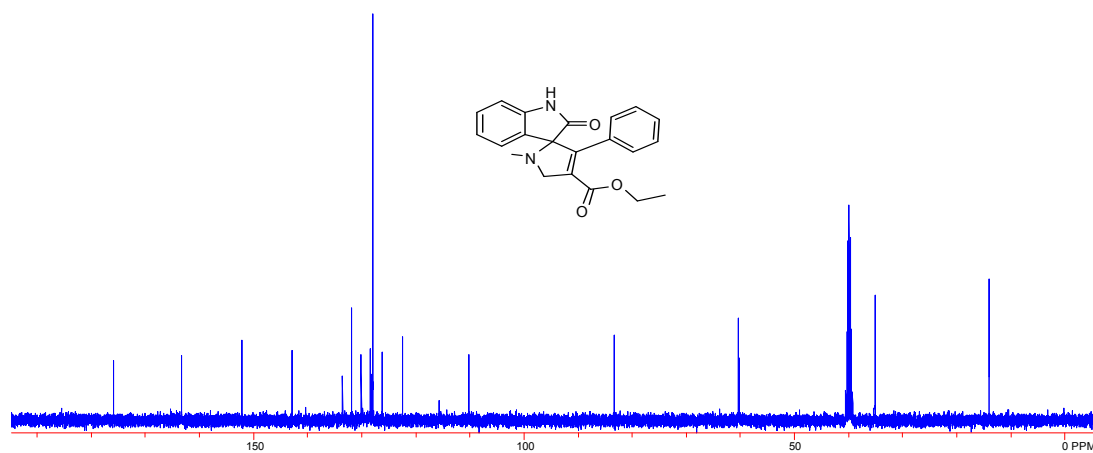
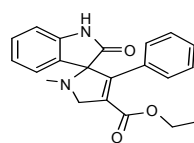
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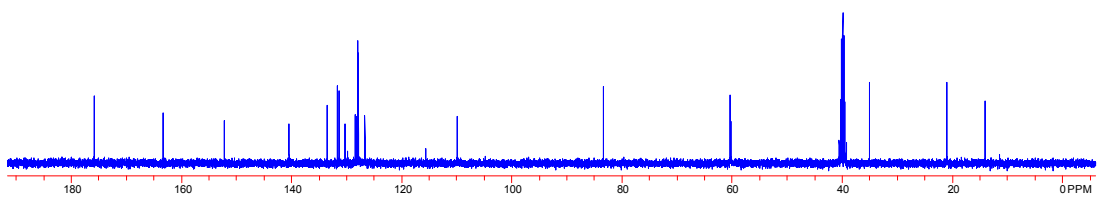
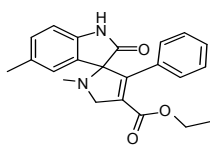
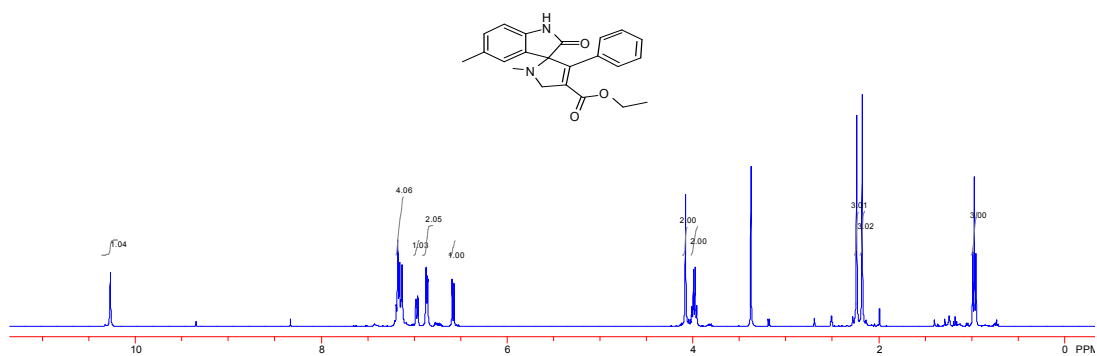
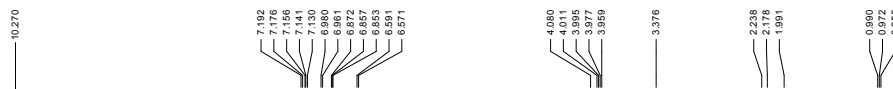
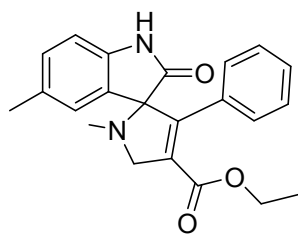
38.279

35.092

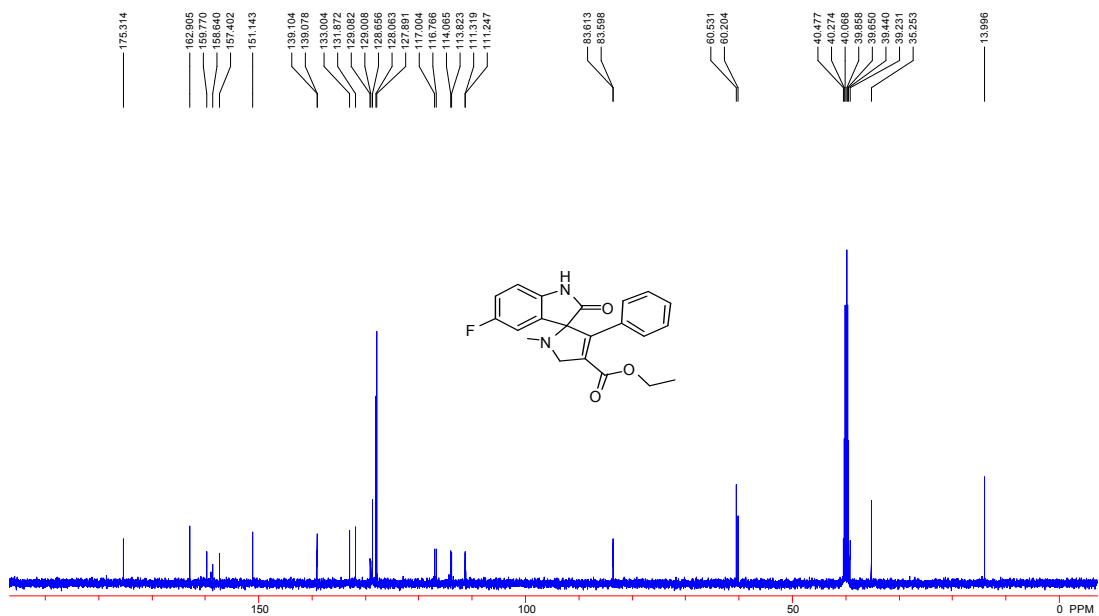
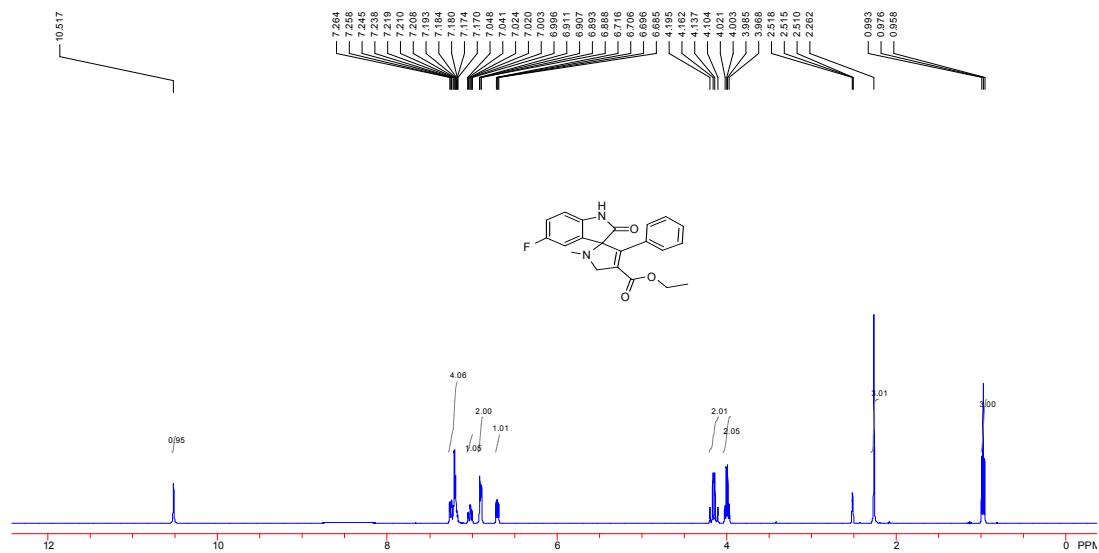
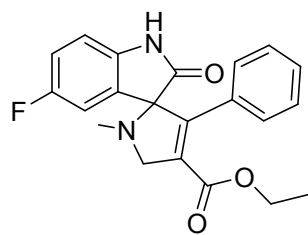
14.047



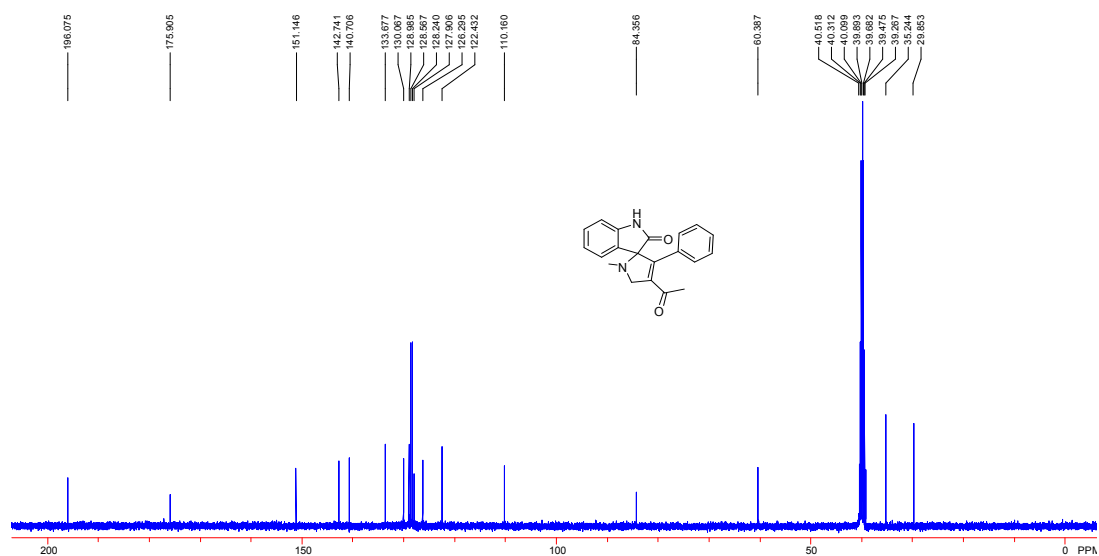
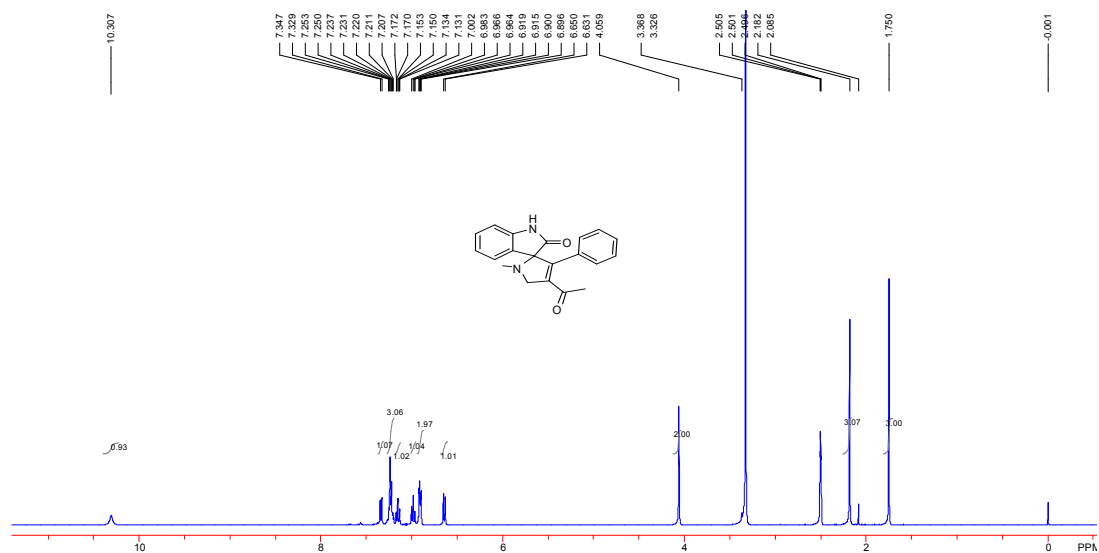
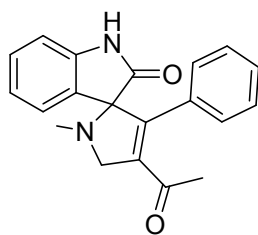
¹H NMR and ¹³C NMR Spectra of Compound 4w



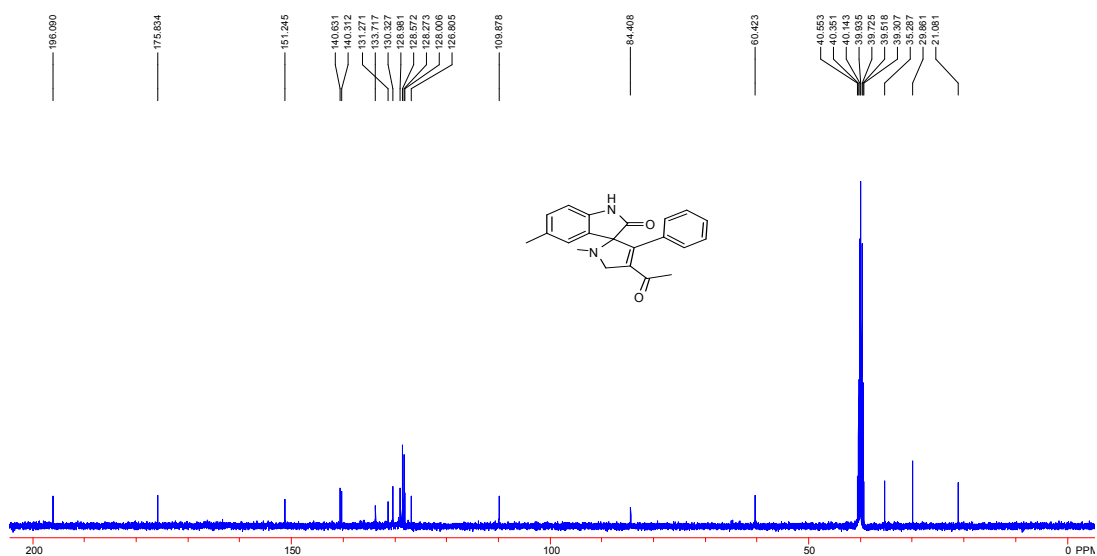
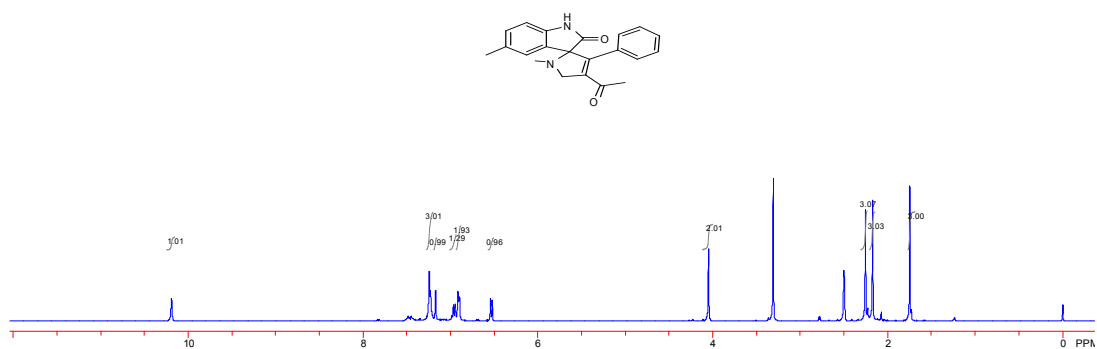
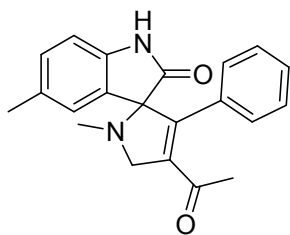
¹H NMR and ¹³C NMR Spectra of Compound 4x



¹H NMR and ¹³C NMR Spectra of Compound 4y



¹H NMR and ¹³C NMR Spectra of Compound 4z



¹H NMR and ¹³C NMR Spectra of Compound 4aa

