

Molecular Hybridization-guided One-pot Multicomponent Synthesis of Turmerone Motif-fused 3,3'-Pyrrolidinyl-dispirooxindoles via a 1,3-Dipolar Cycloaddition Reaction

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Supporting Information

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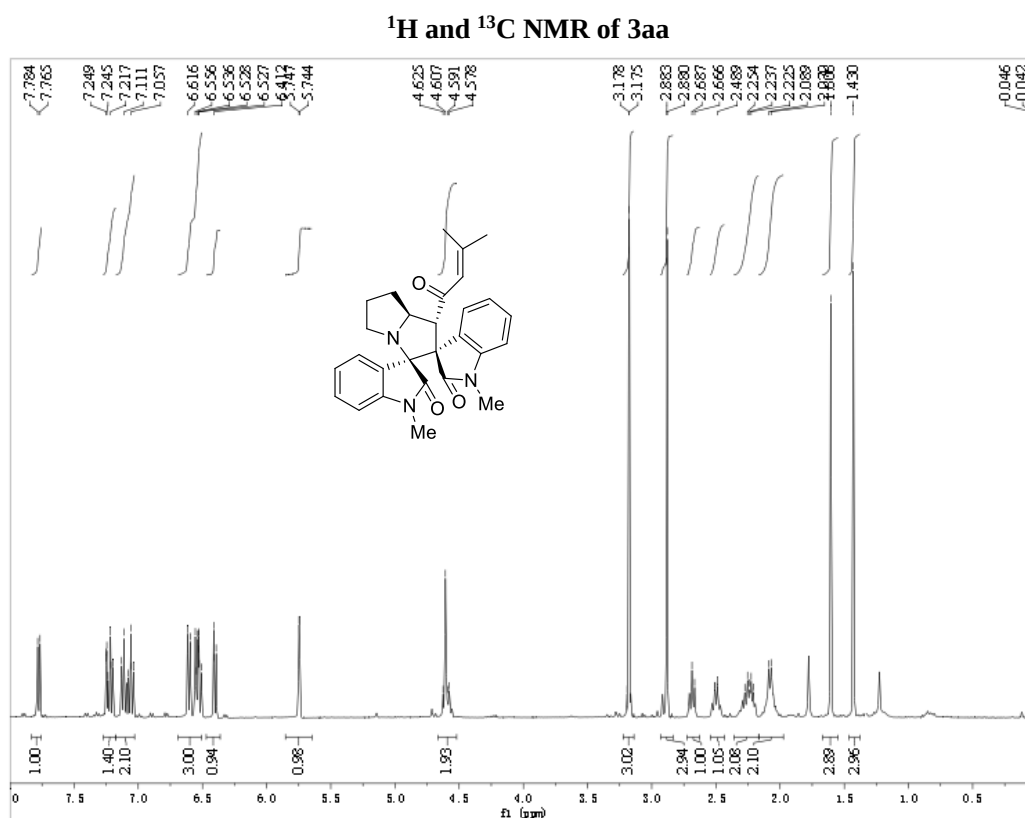
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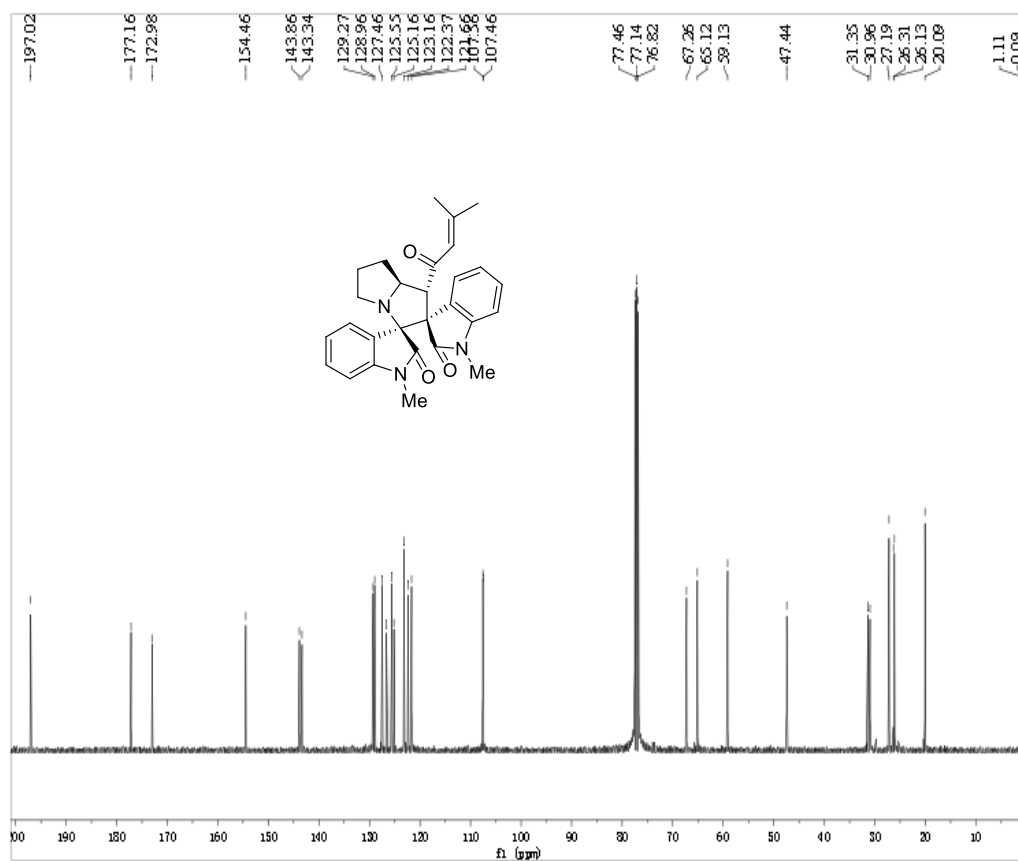
1. General Experimental Information

The ^1H and ^{13}C NMR spectra were recorded on Bruker Avance DMX 400 MHz NMR spectrometers in CDCl_3 using TMS as internal standard. Chemical shifts were reported as δ values (ppm). High-resolution mass spectra (HRMS-ESI) were obtained on a MicroTM Q-TOF Mass Spectrometer. Melting points were uncorrected and recorded on an Electrothermal 9100 digital melting point apparatus.

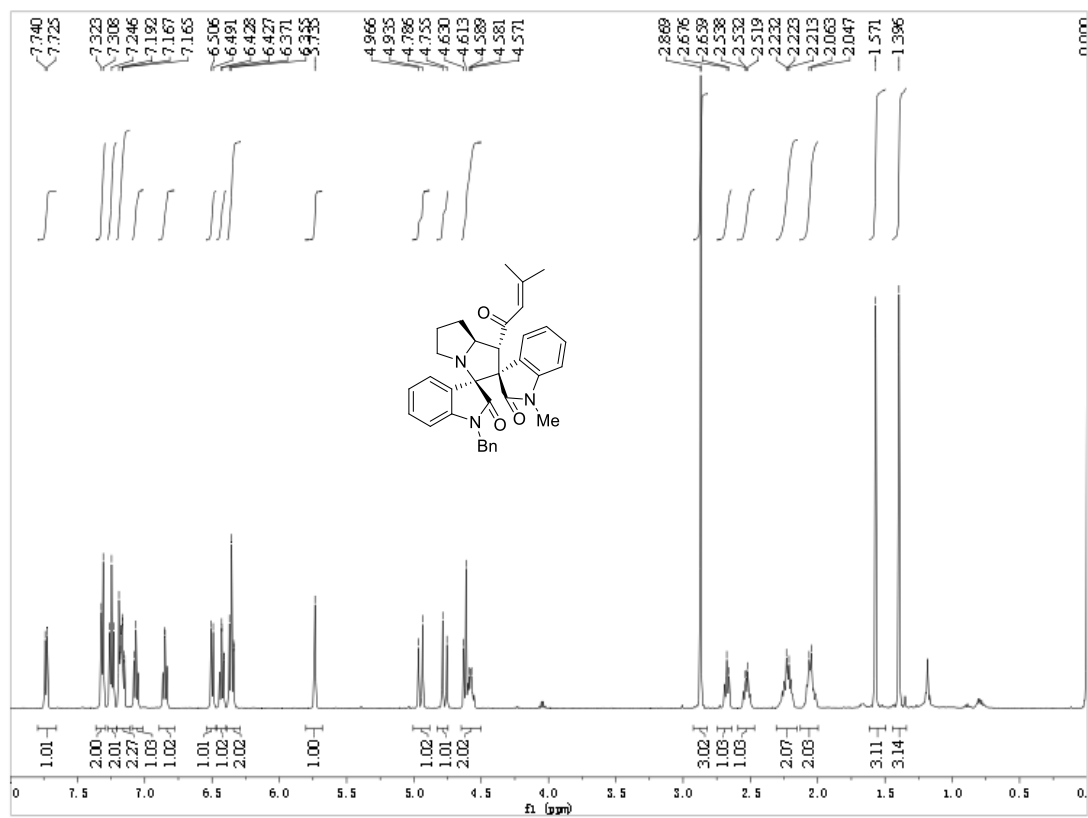
Reagents were purchased from commercial sources and were used as received unless mentioned otherwise. Reactions were monitored by thin layer chromatography using silica gel GF₂₅₄ plates. Column chromatography was performed on silica gel (300-400 mesh).

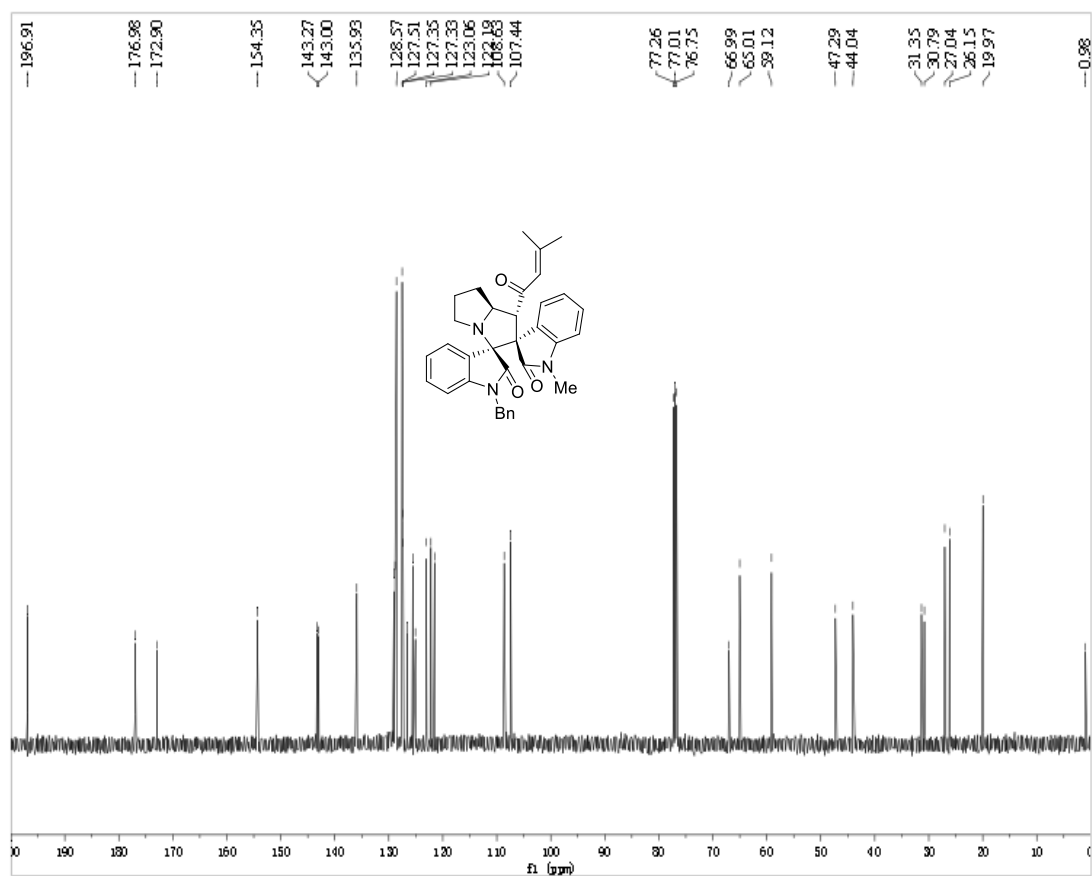
2. The Copies of ^1H NMR, ^{13}C NMR Spectra for Compounds 3-5.



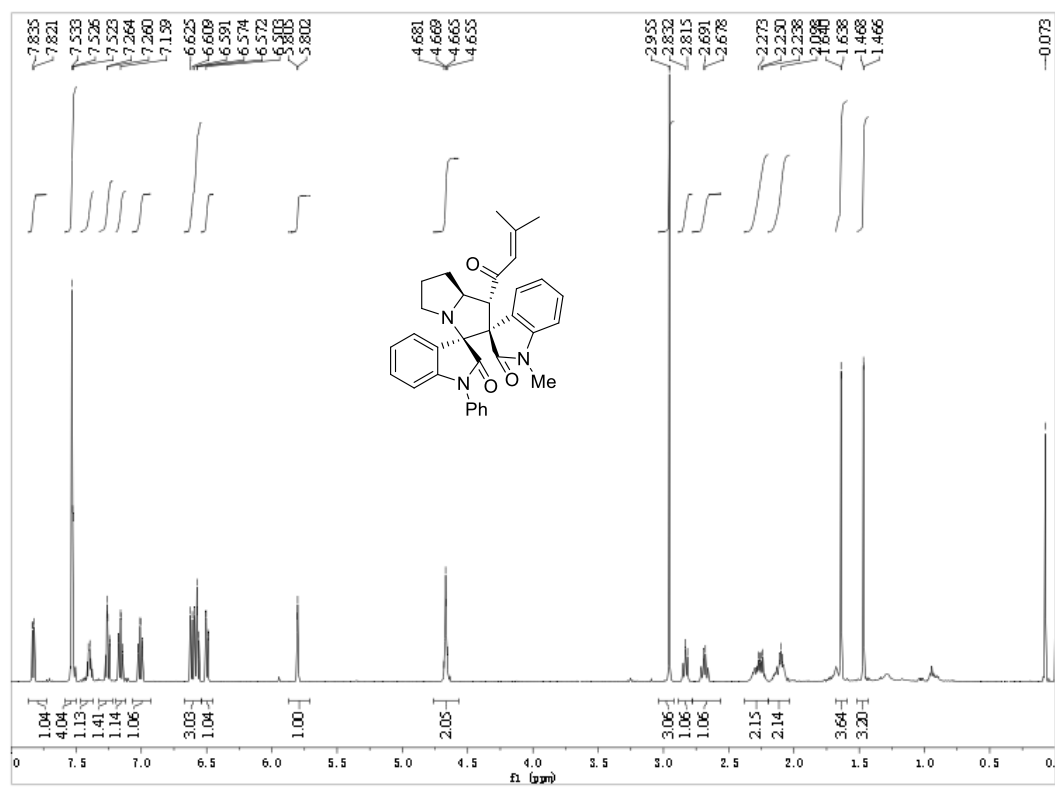


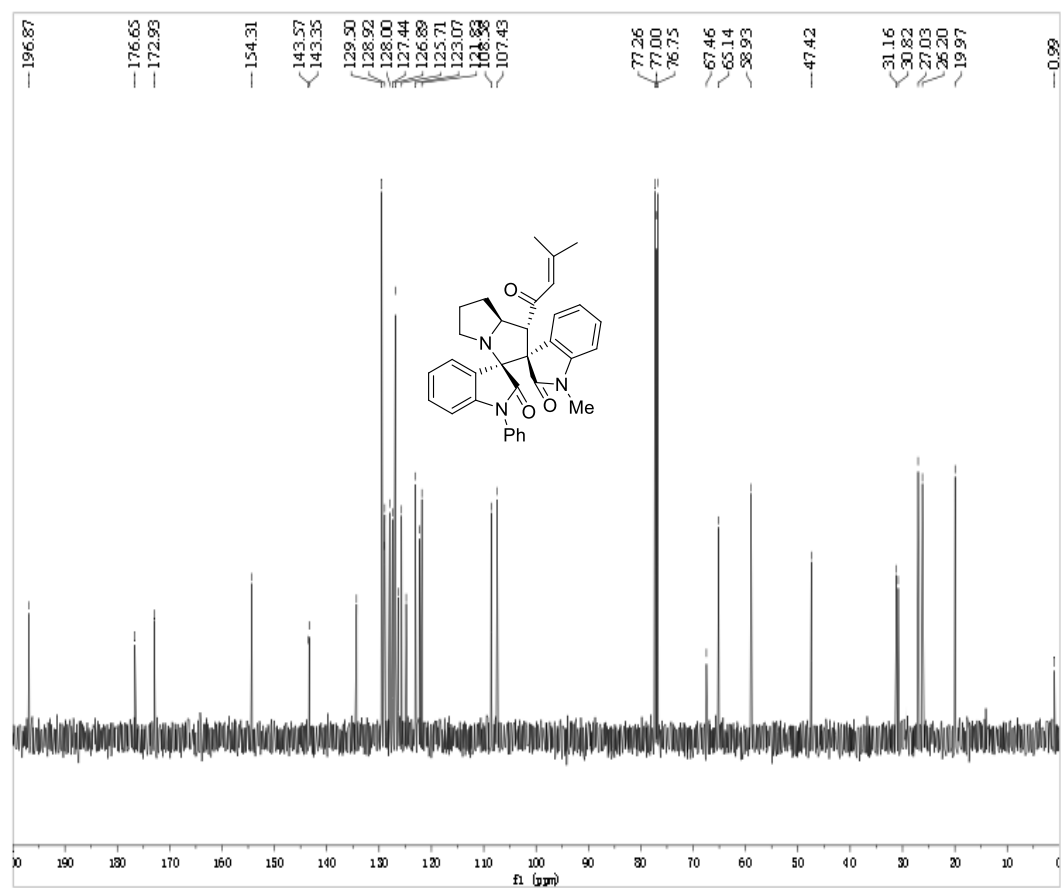
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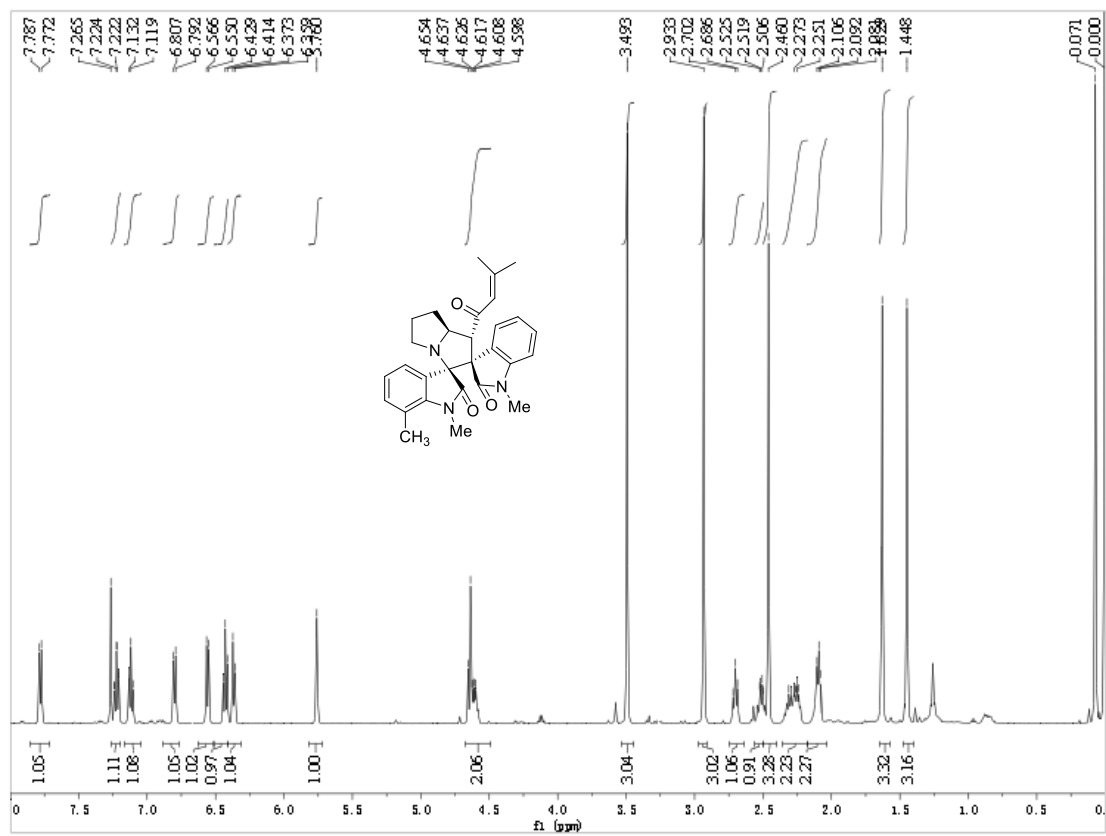


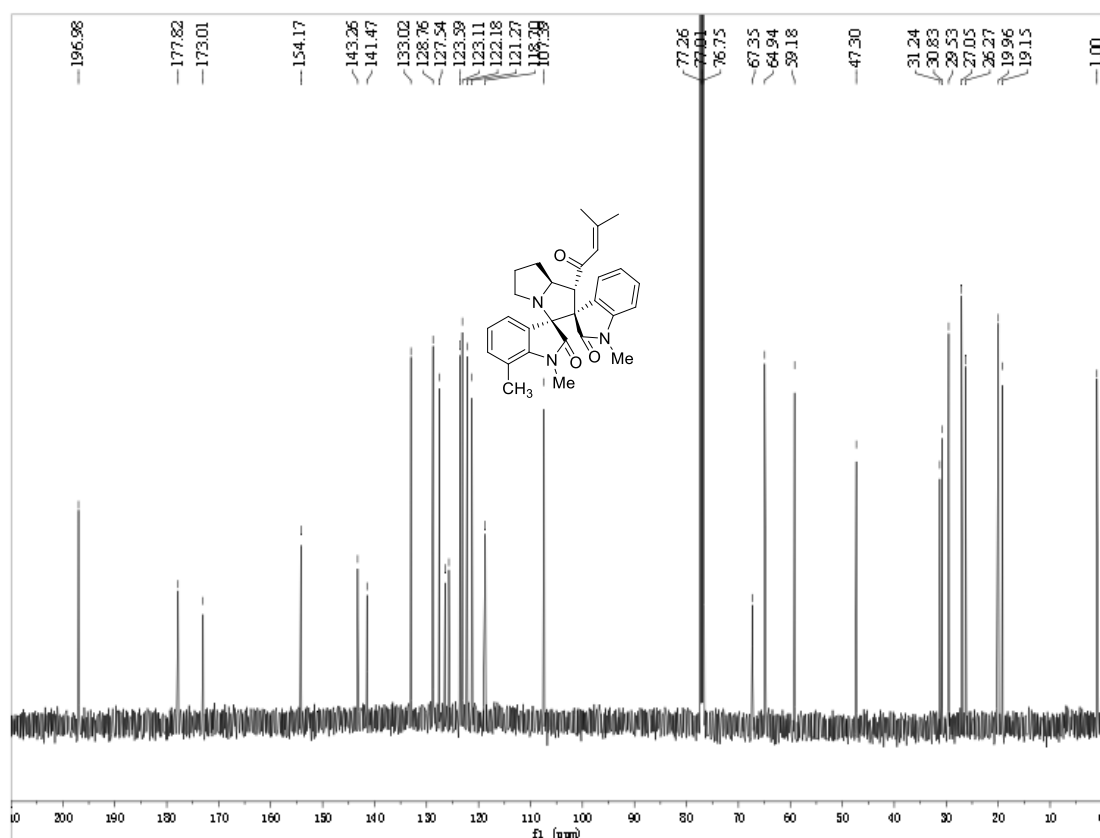
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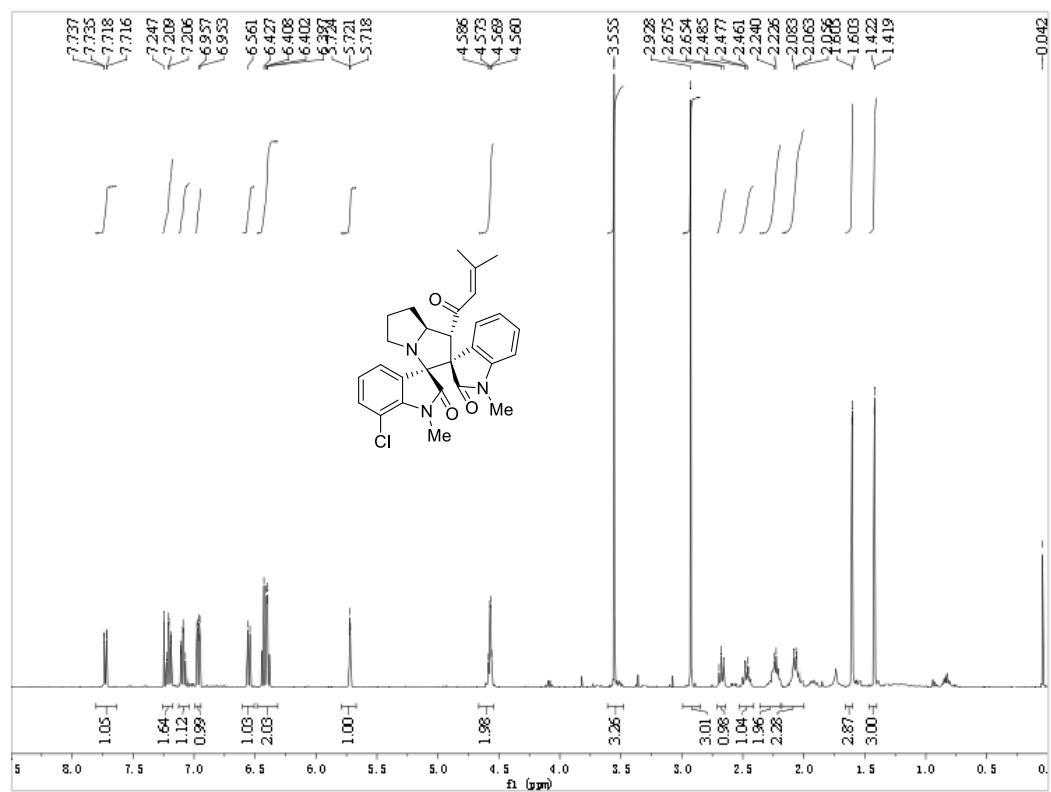


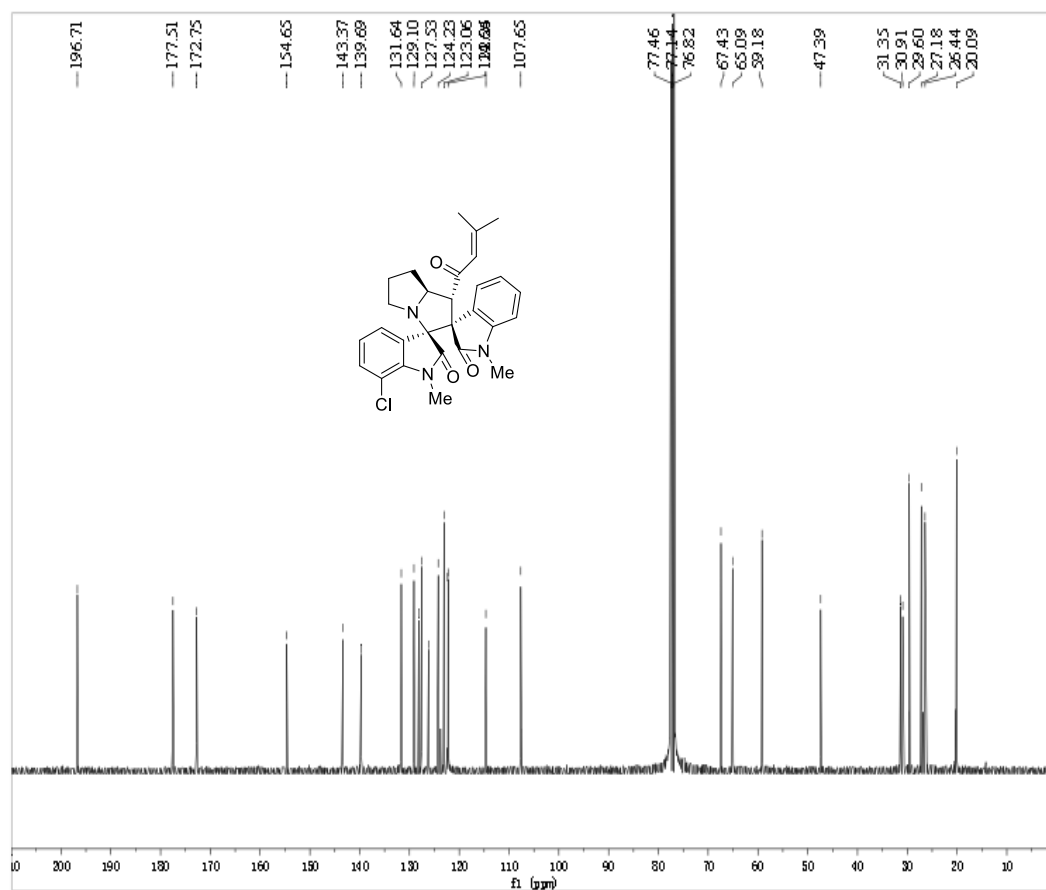
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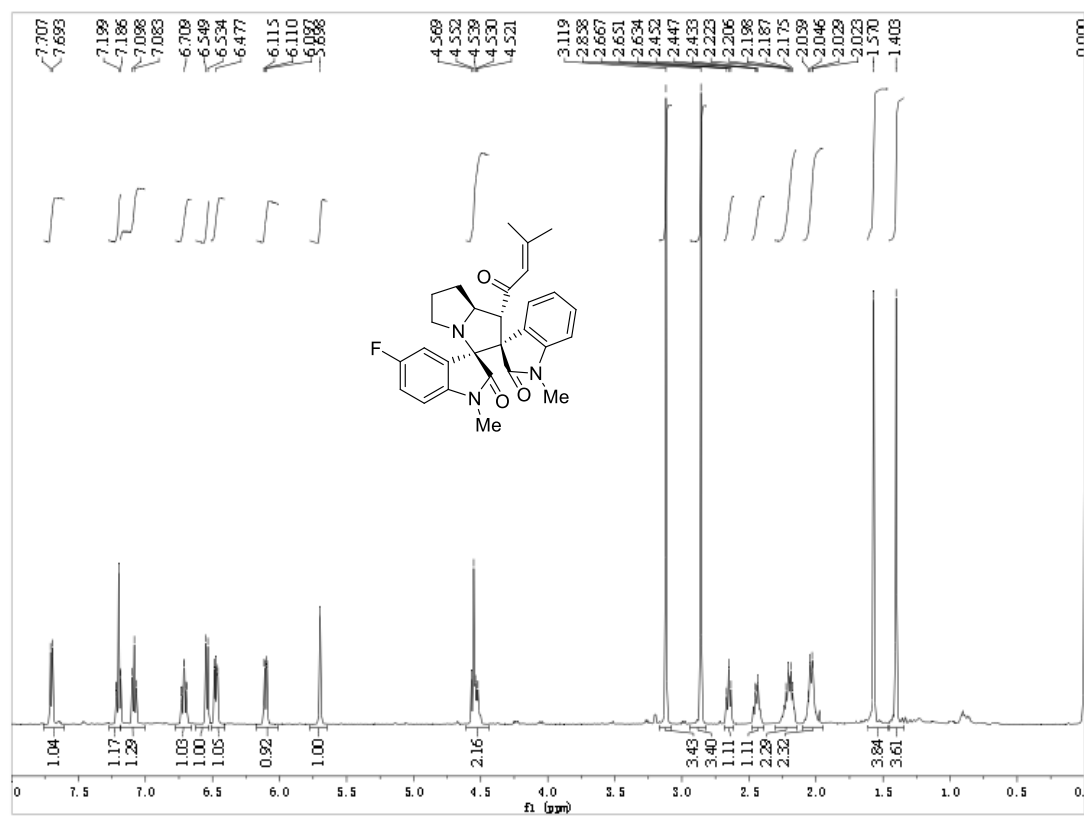


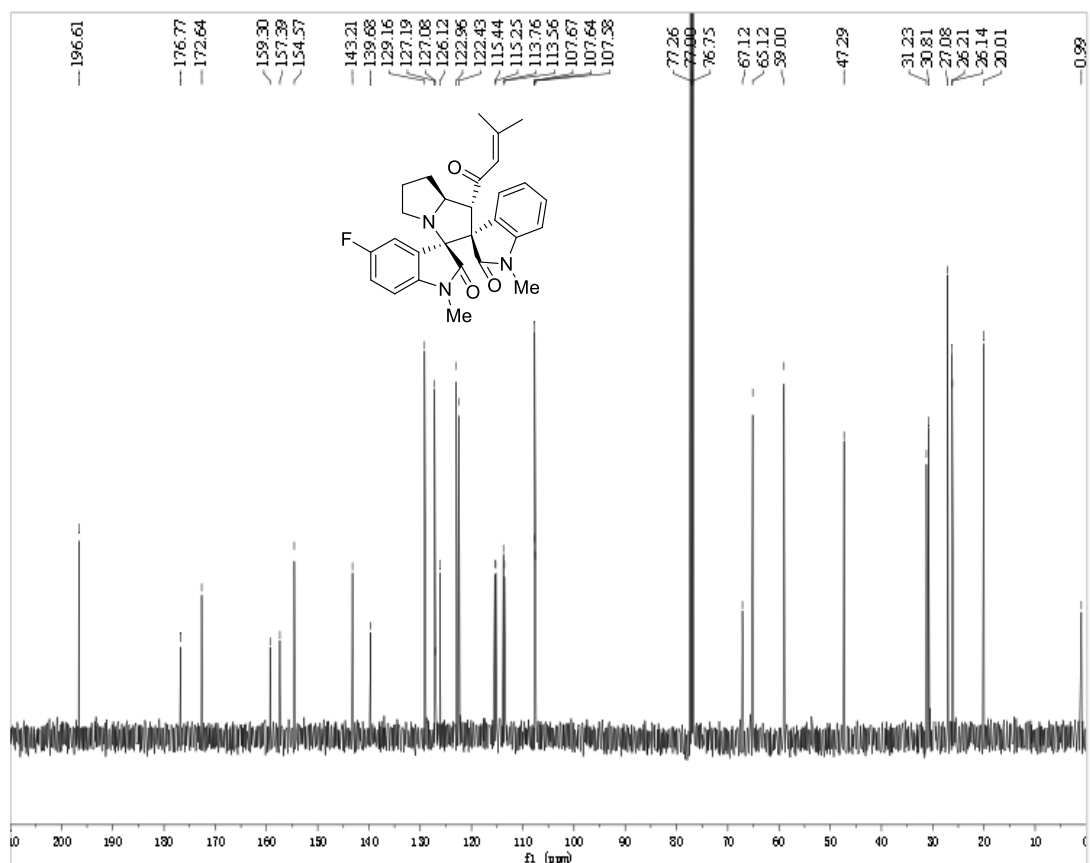
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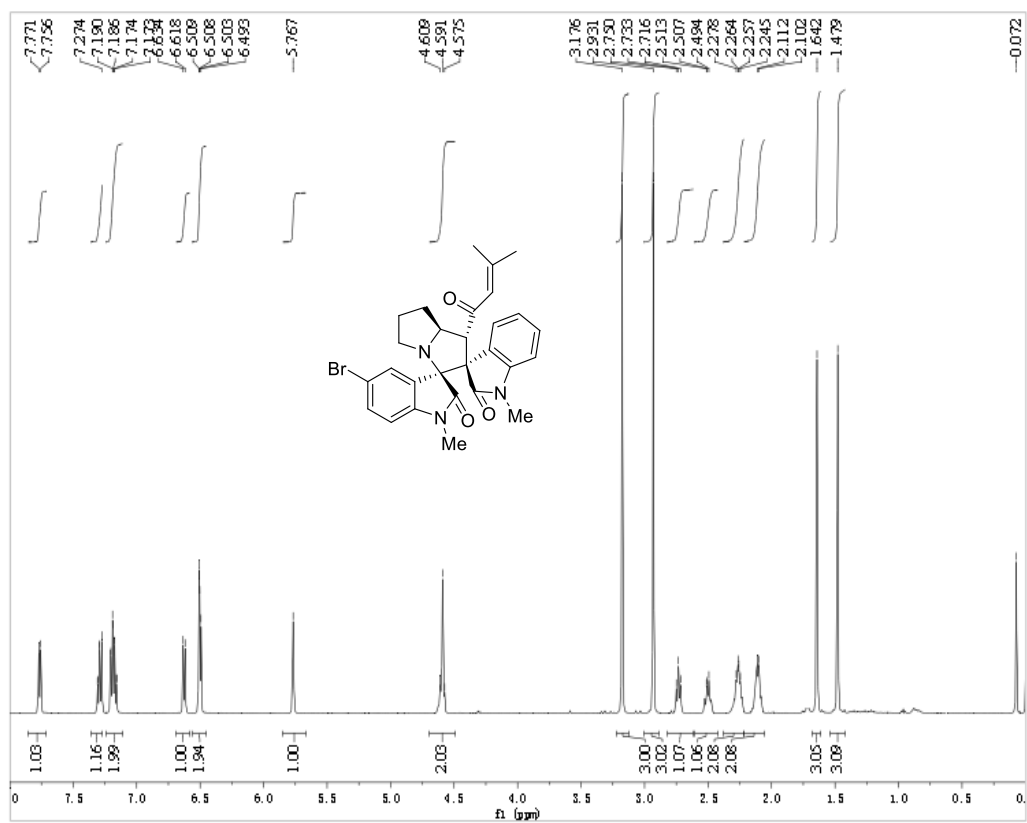


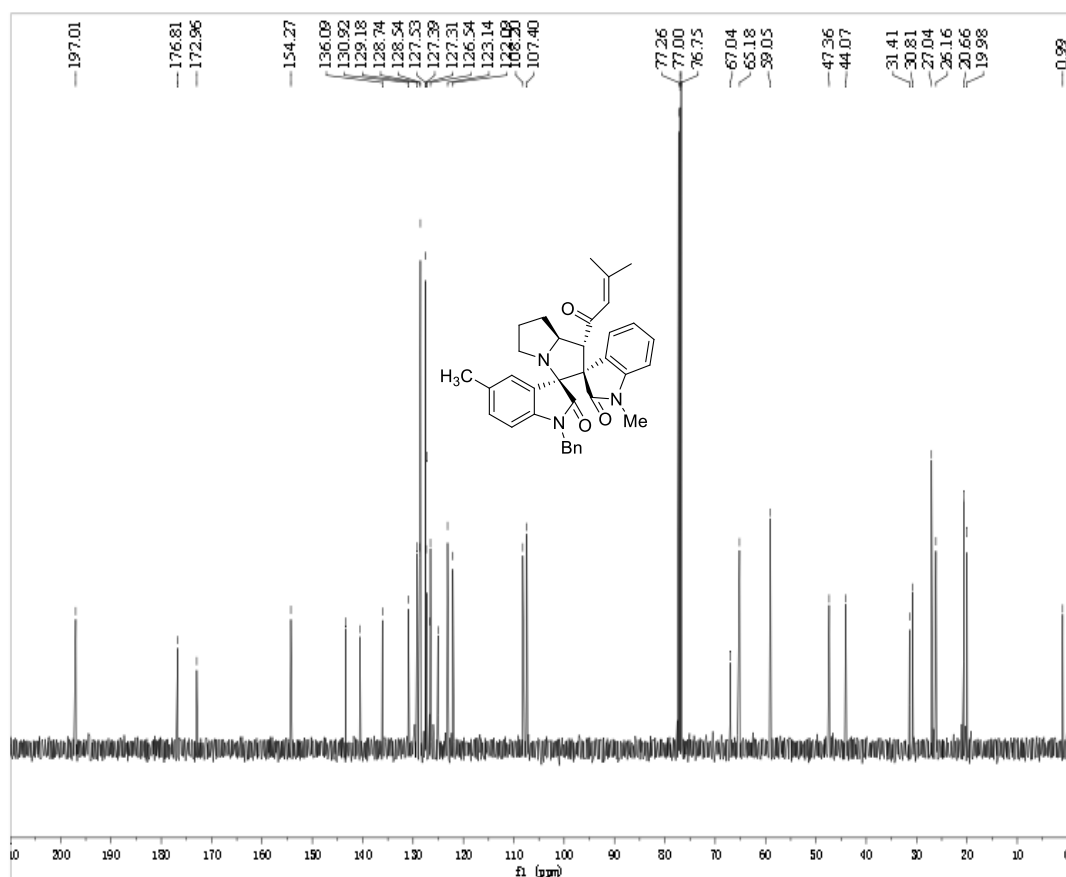
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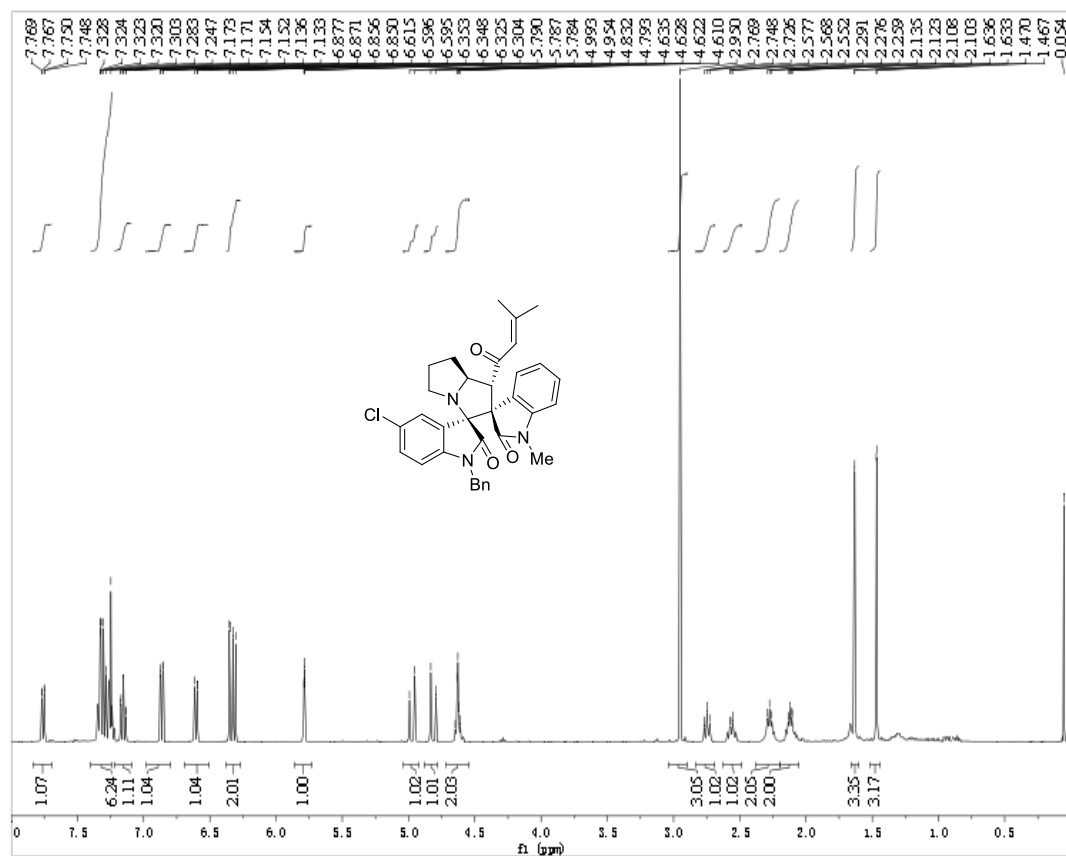


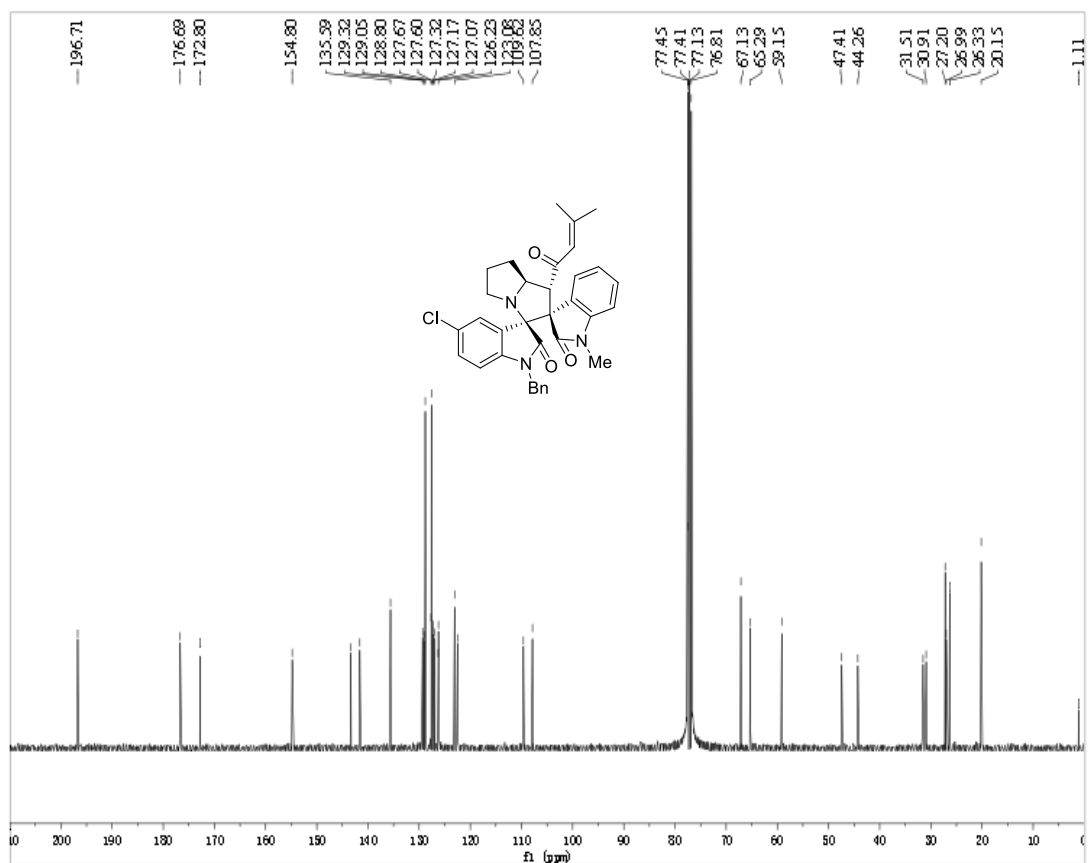
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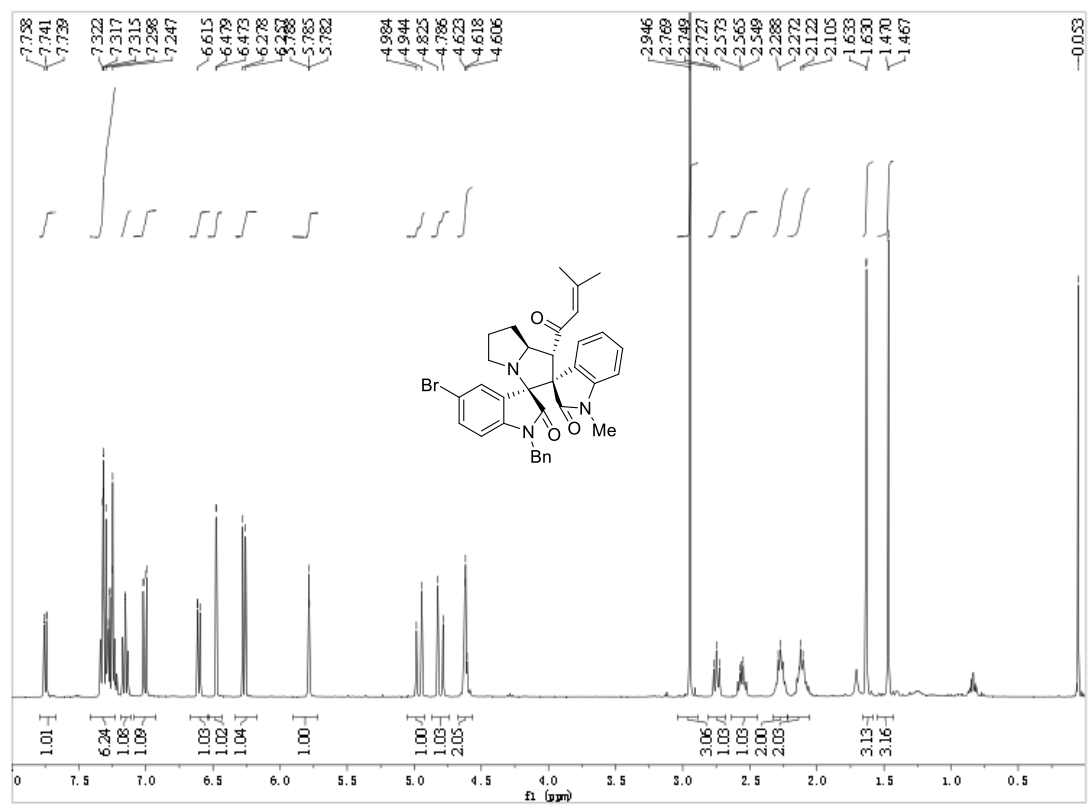


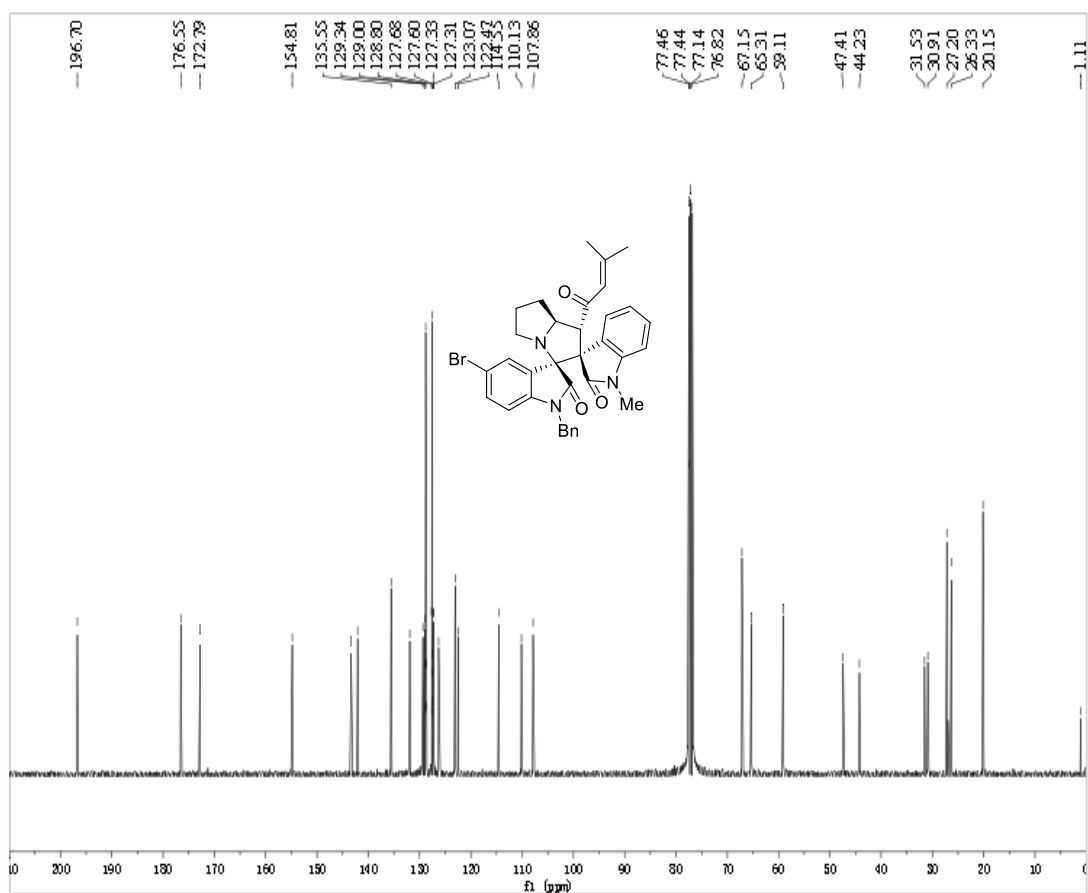
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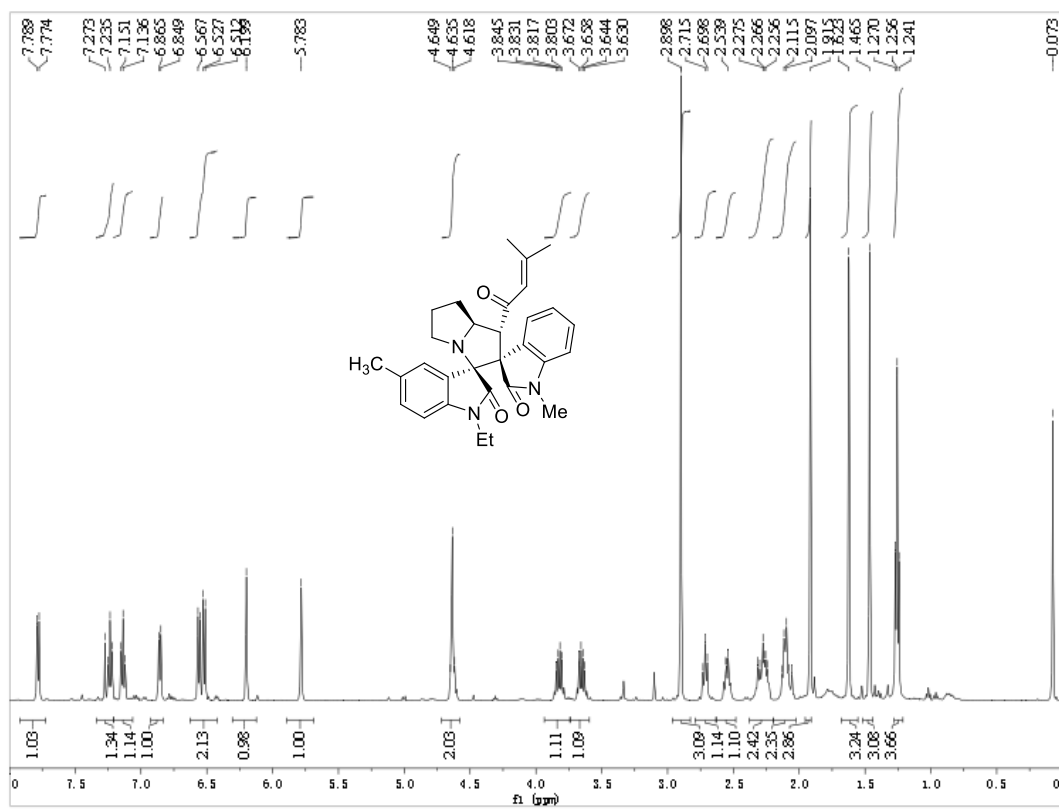


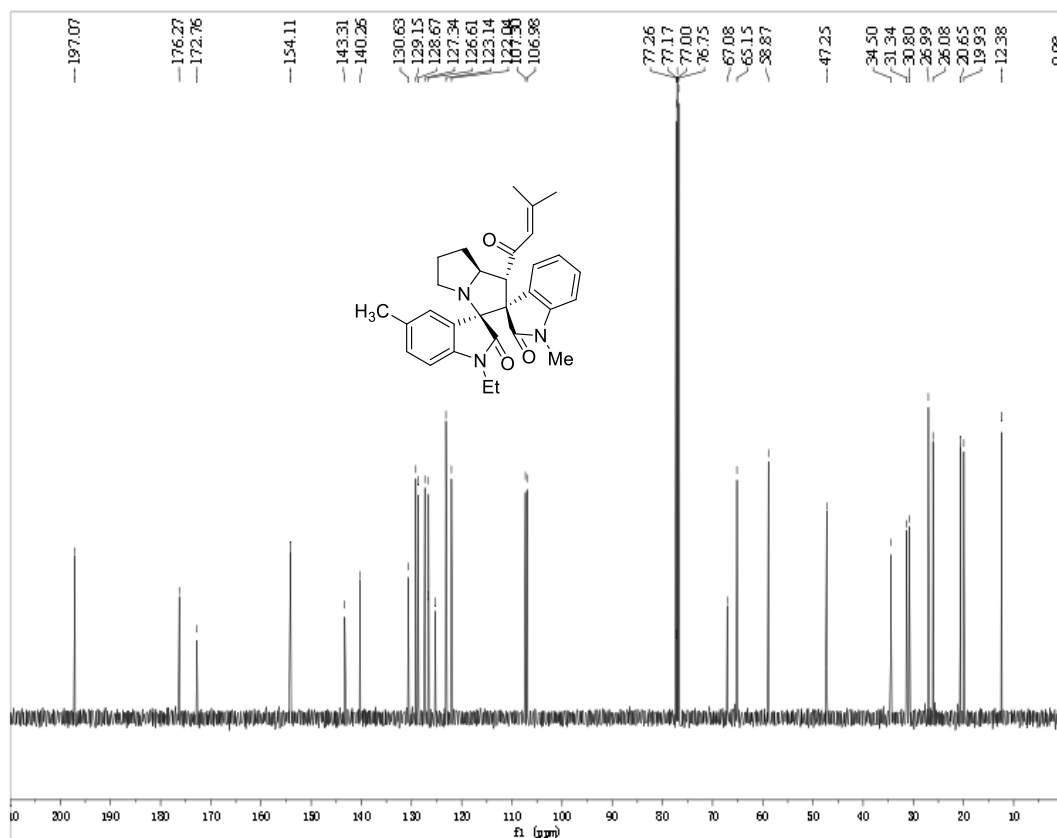
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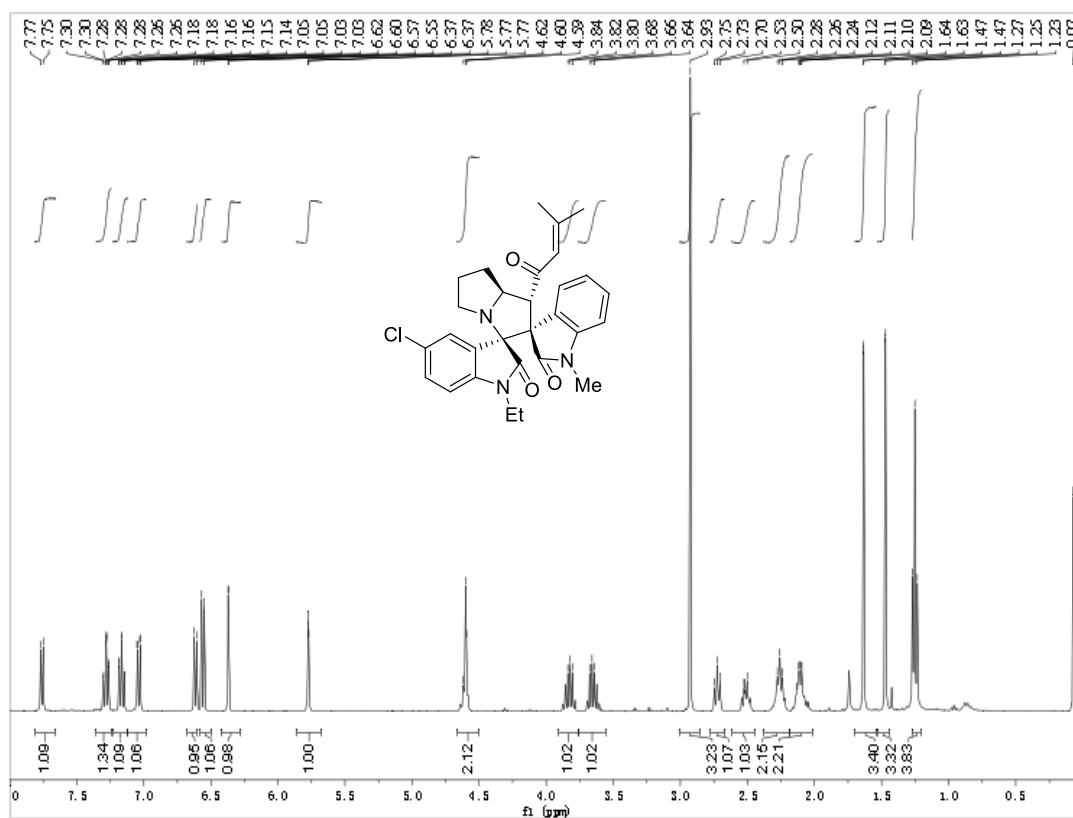


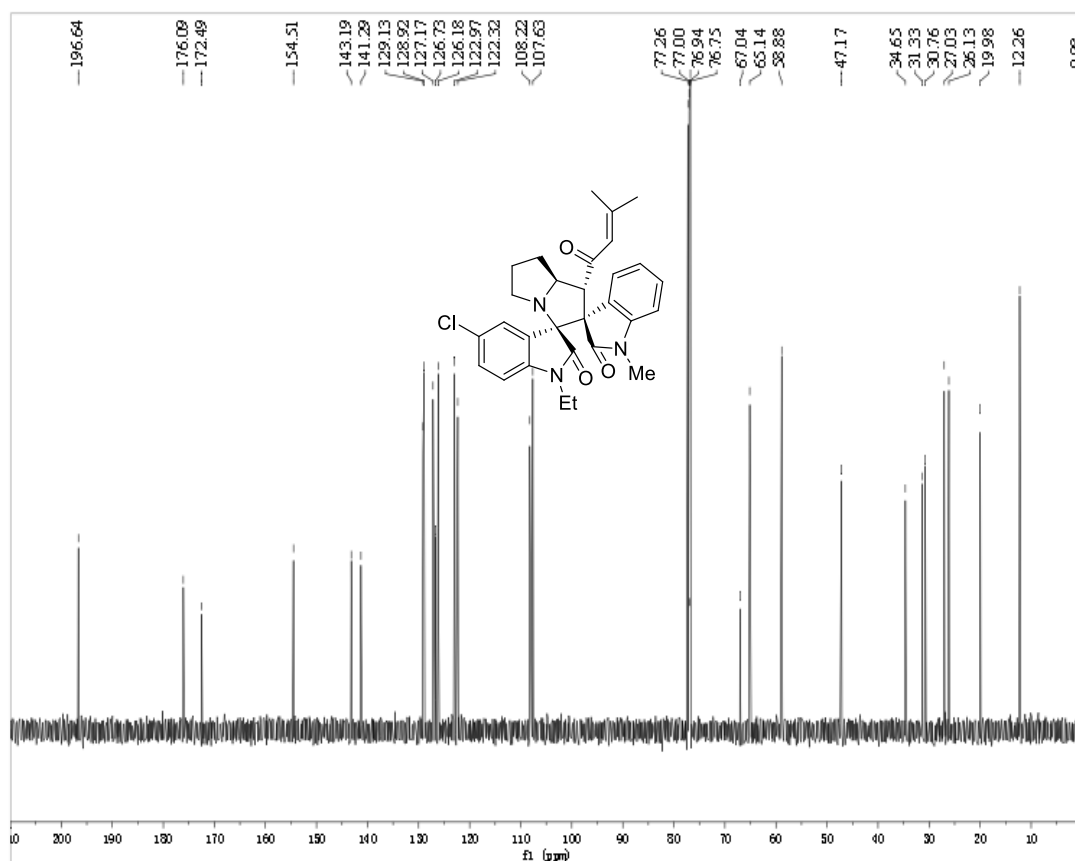
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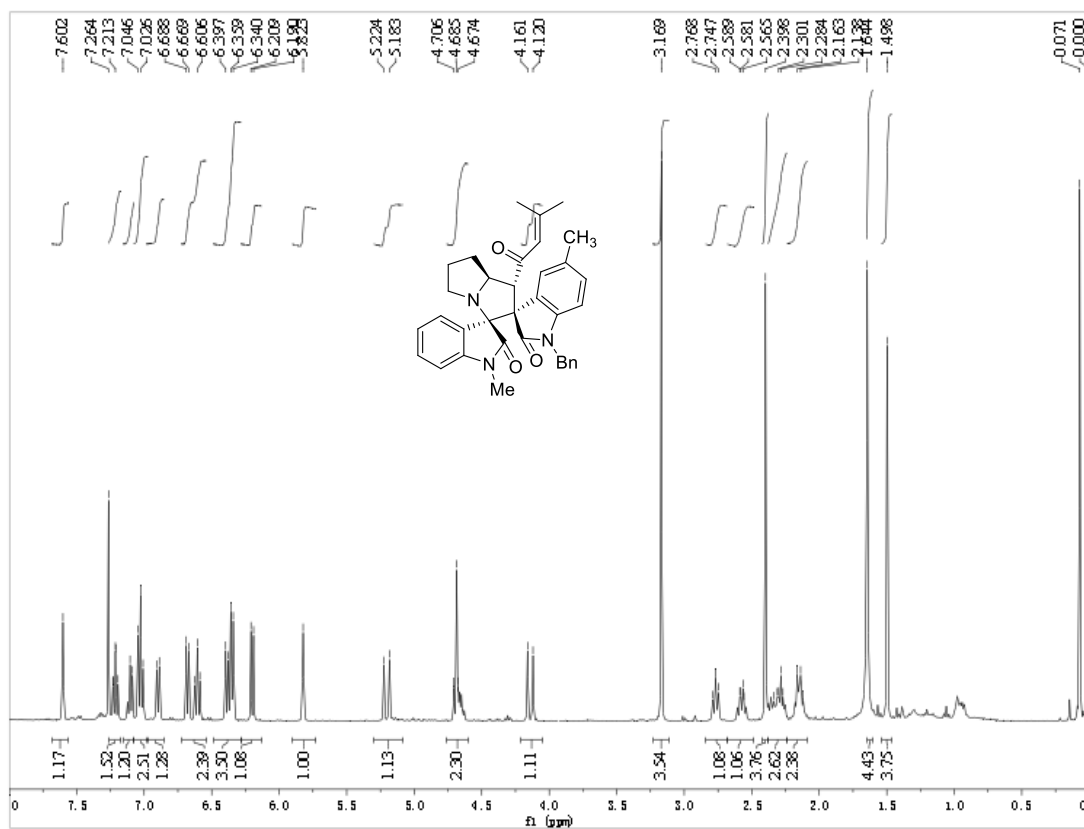


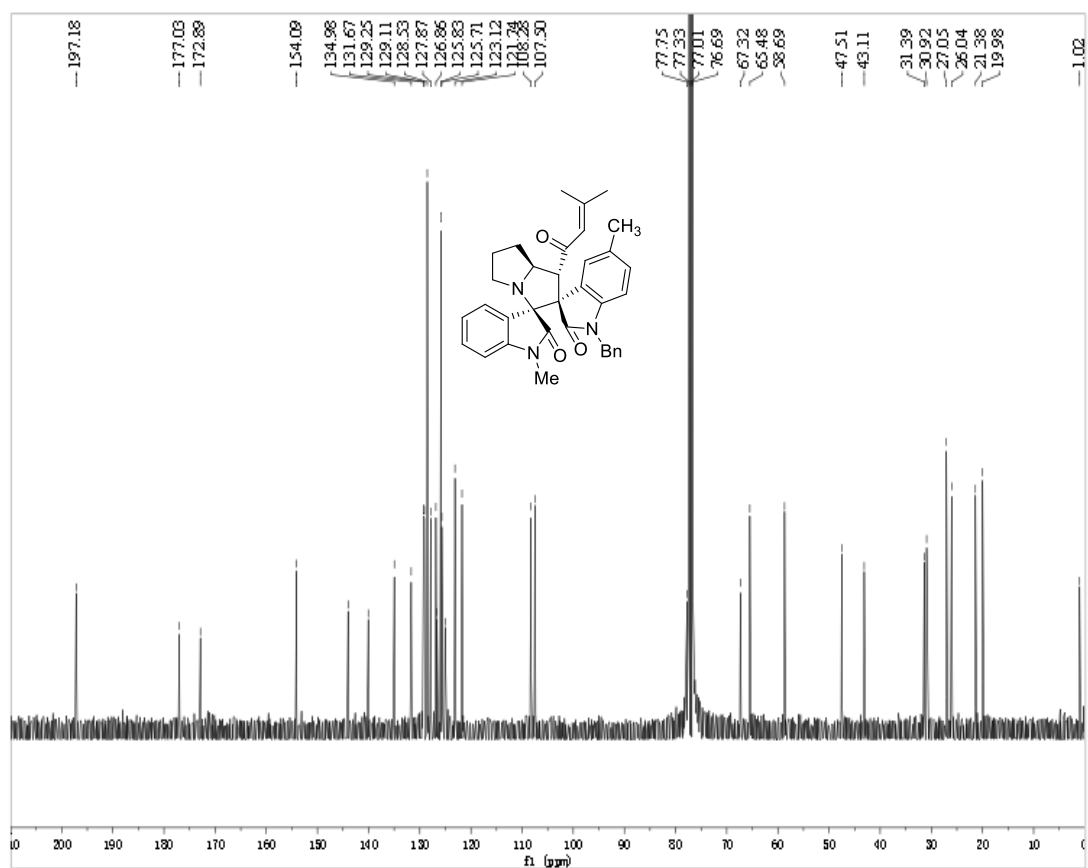
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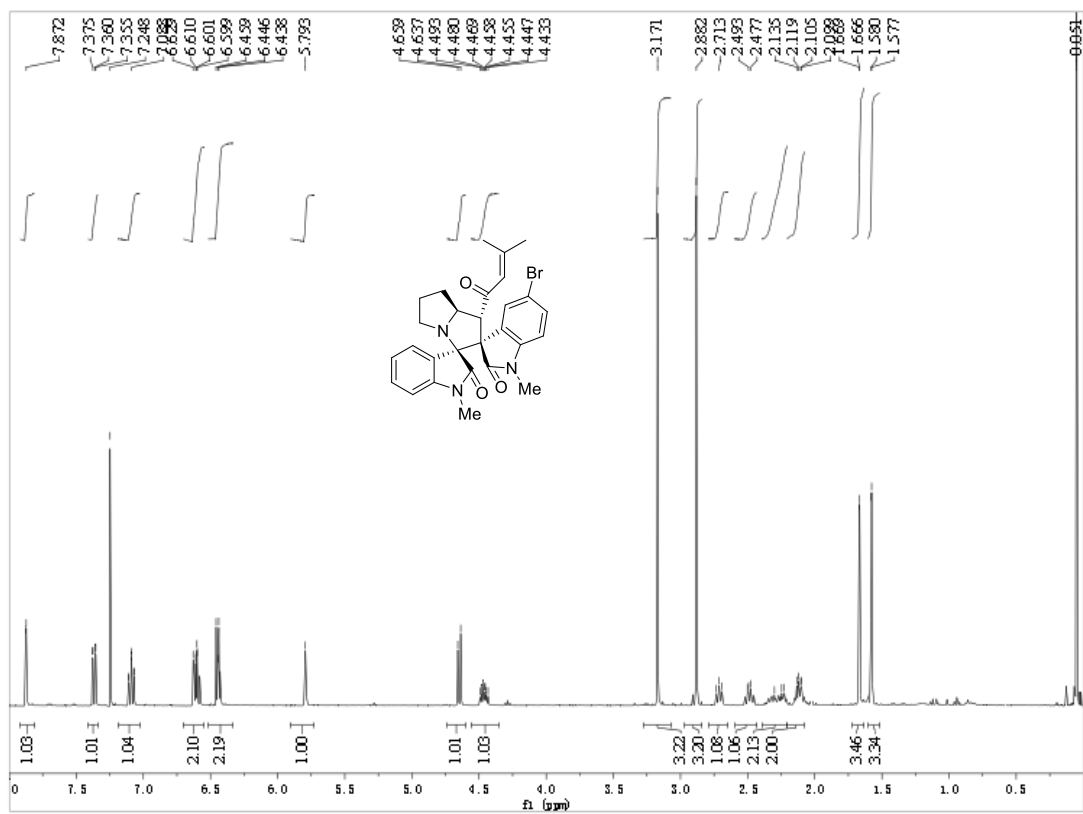


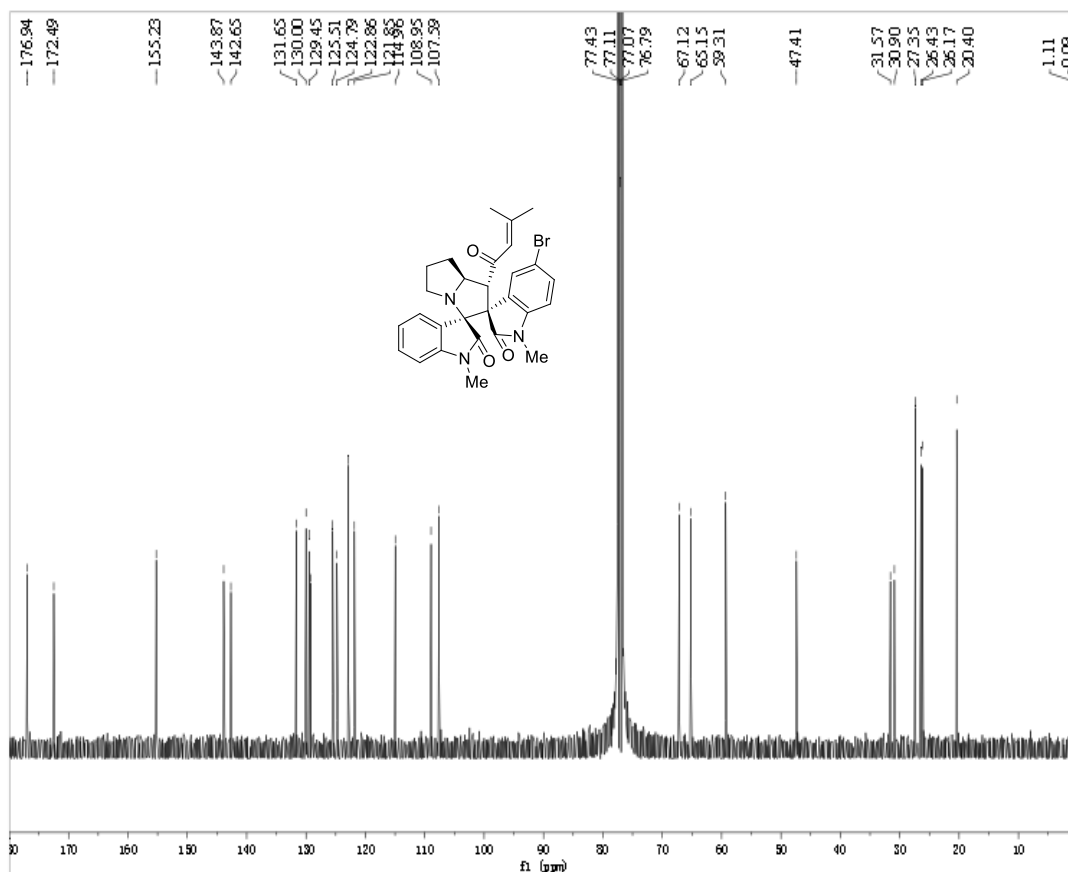
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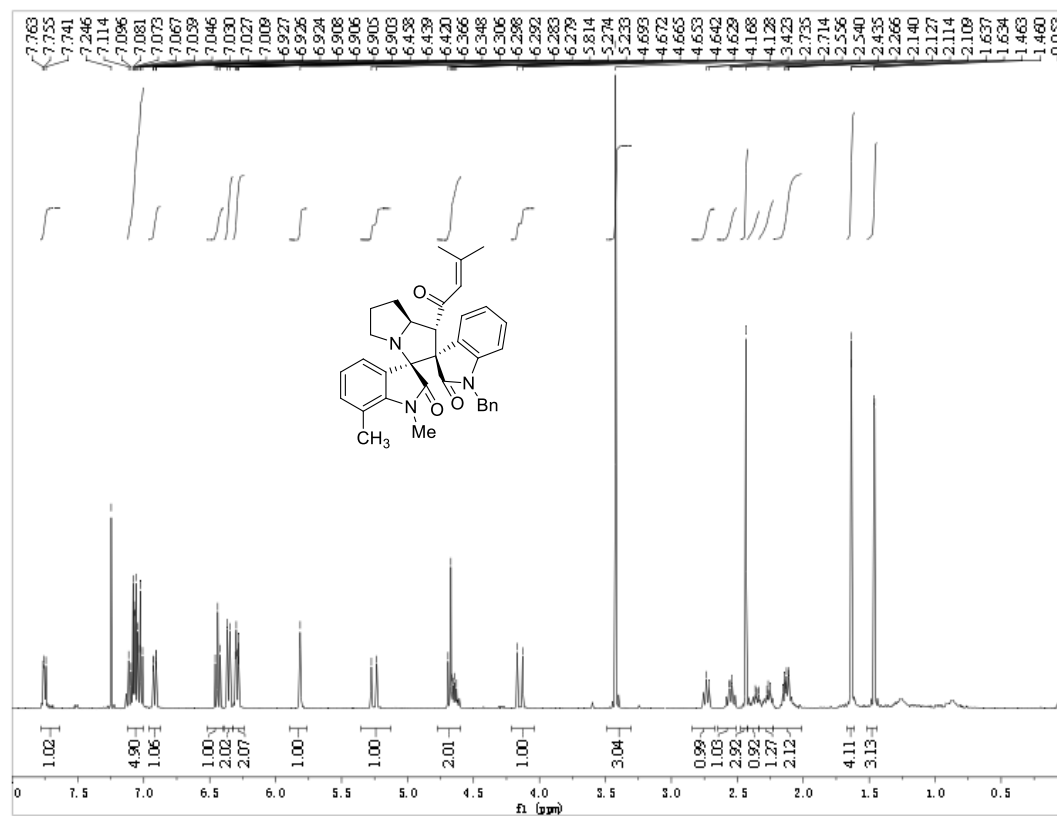


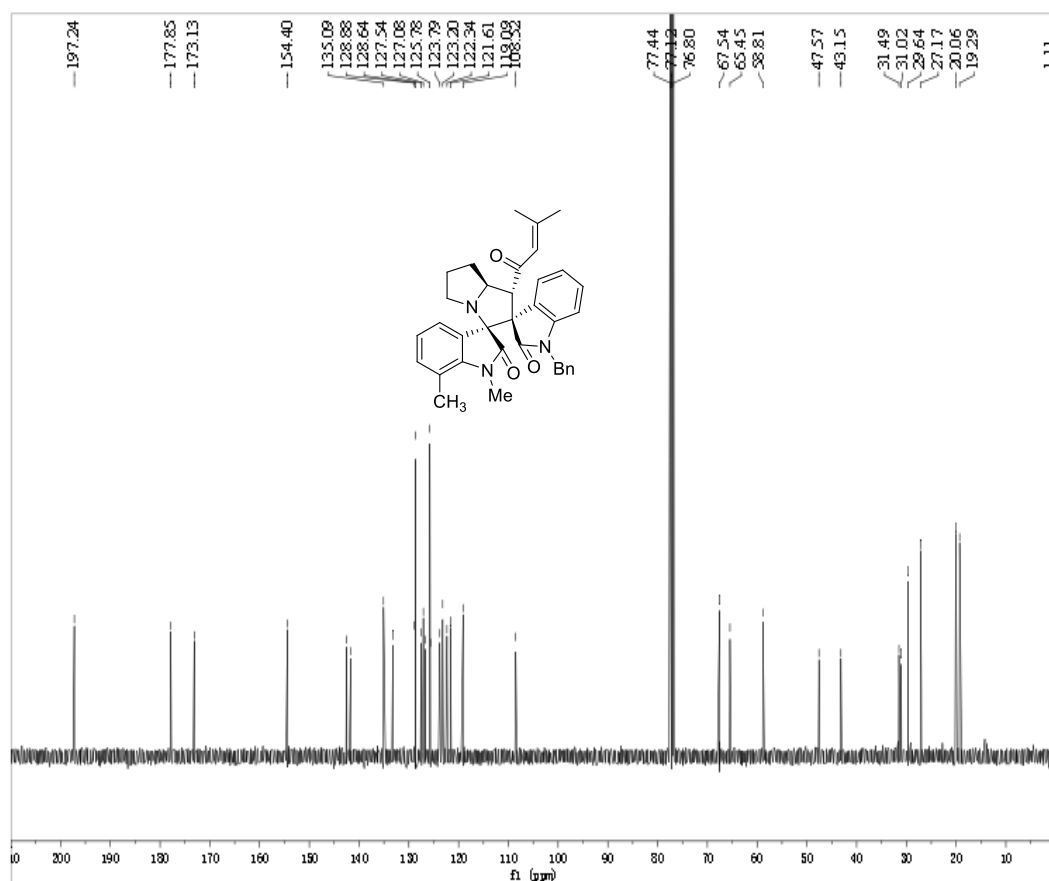
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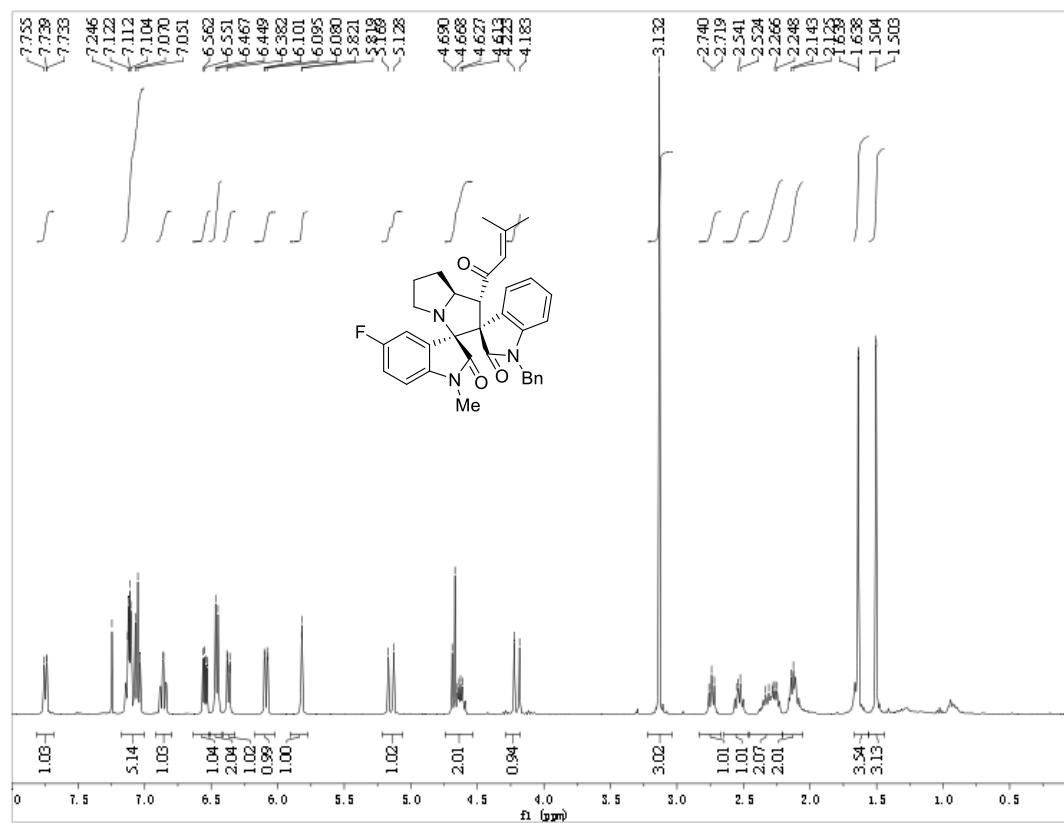


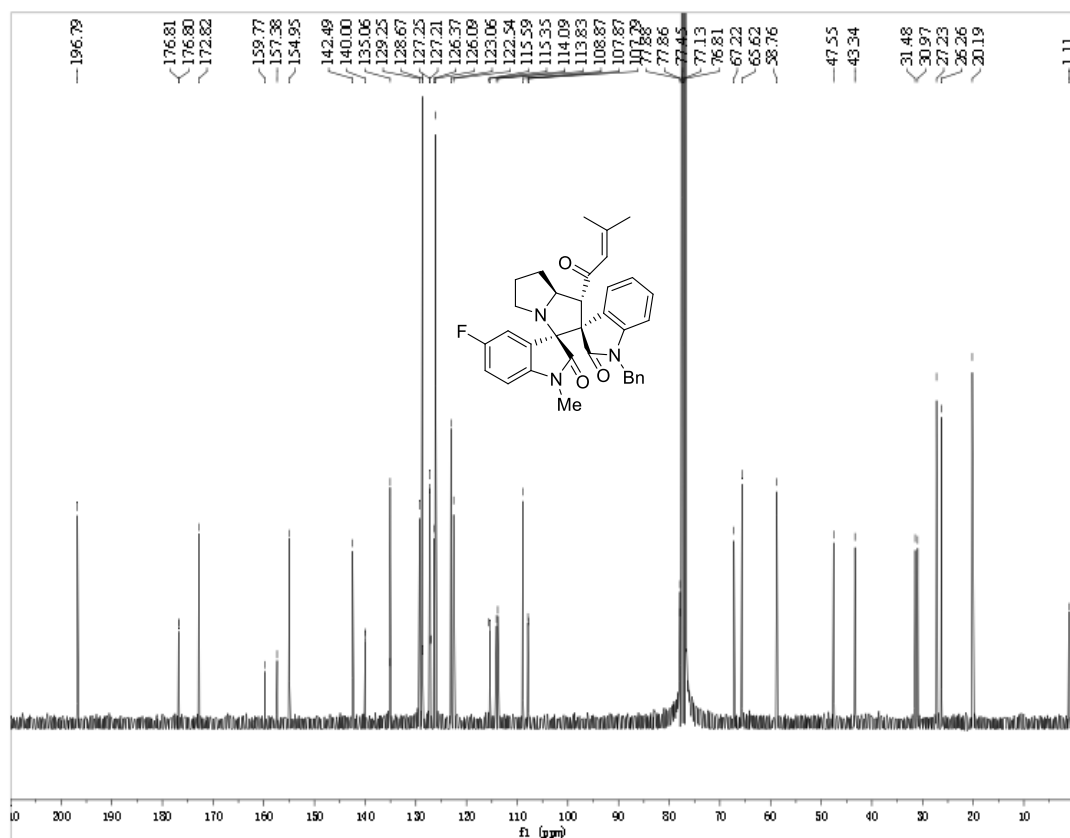
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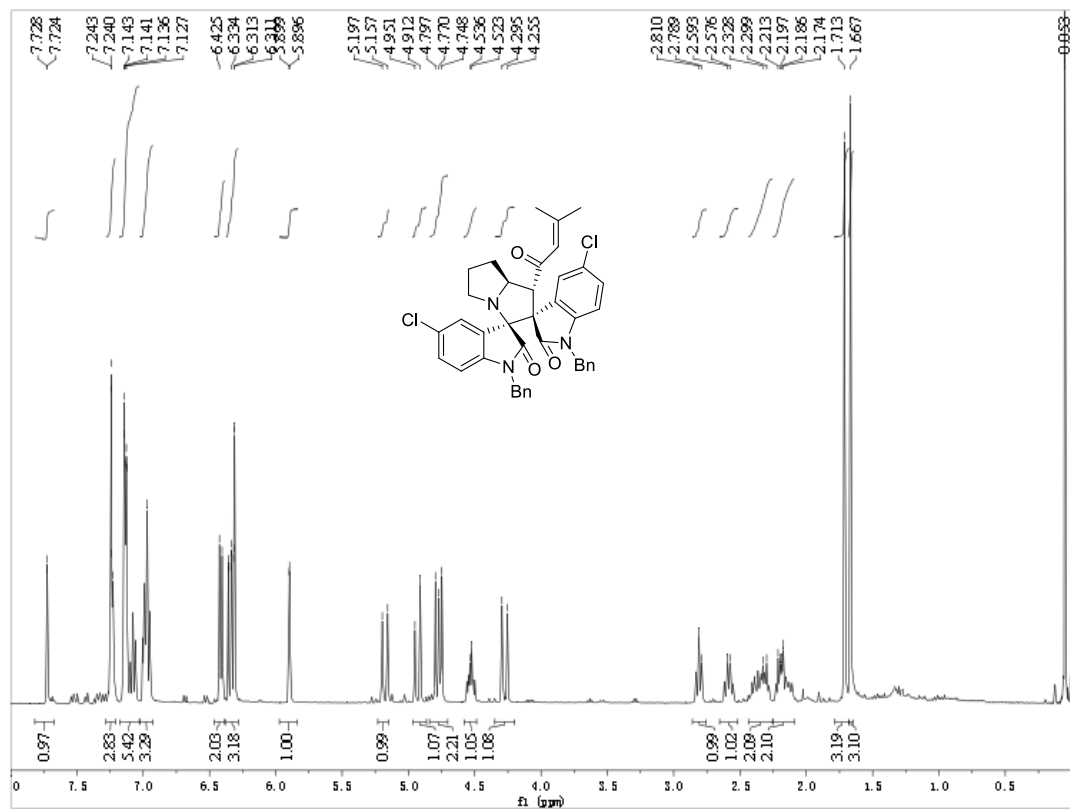


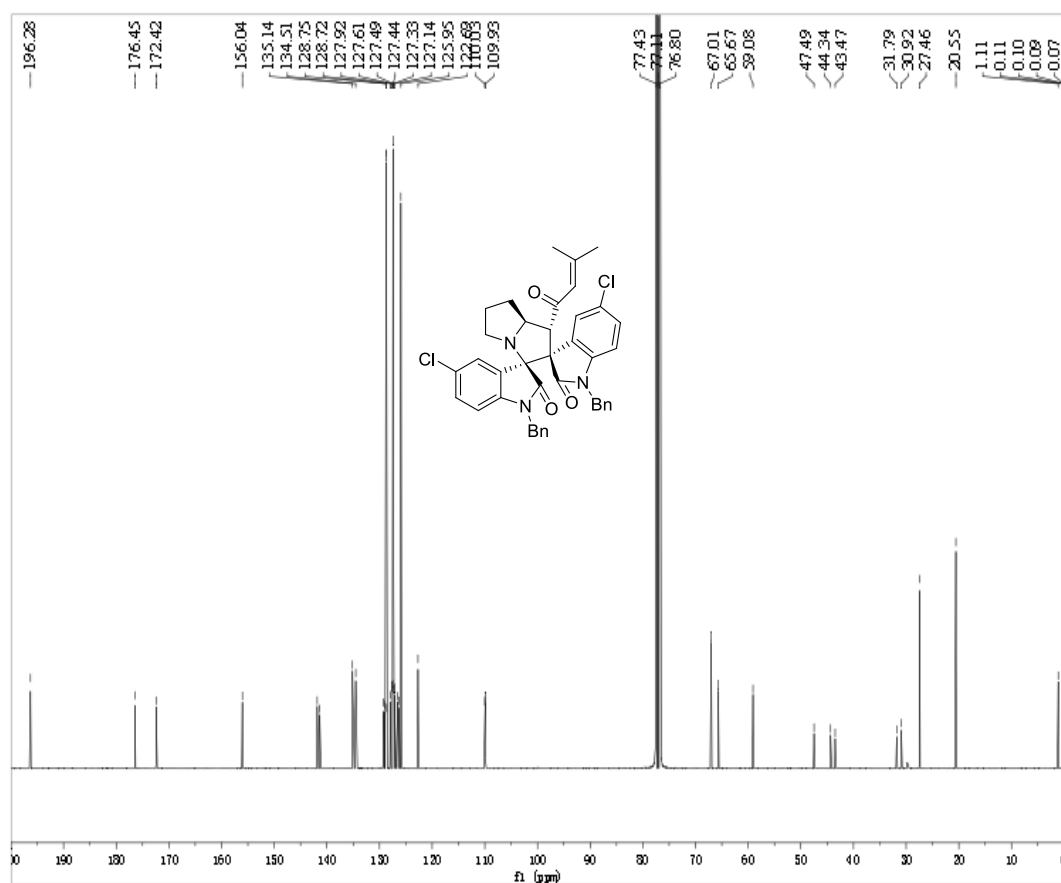
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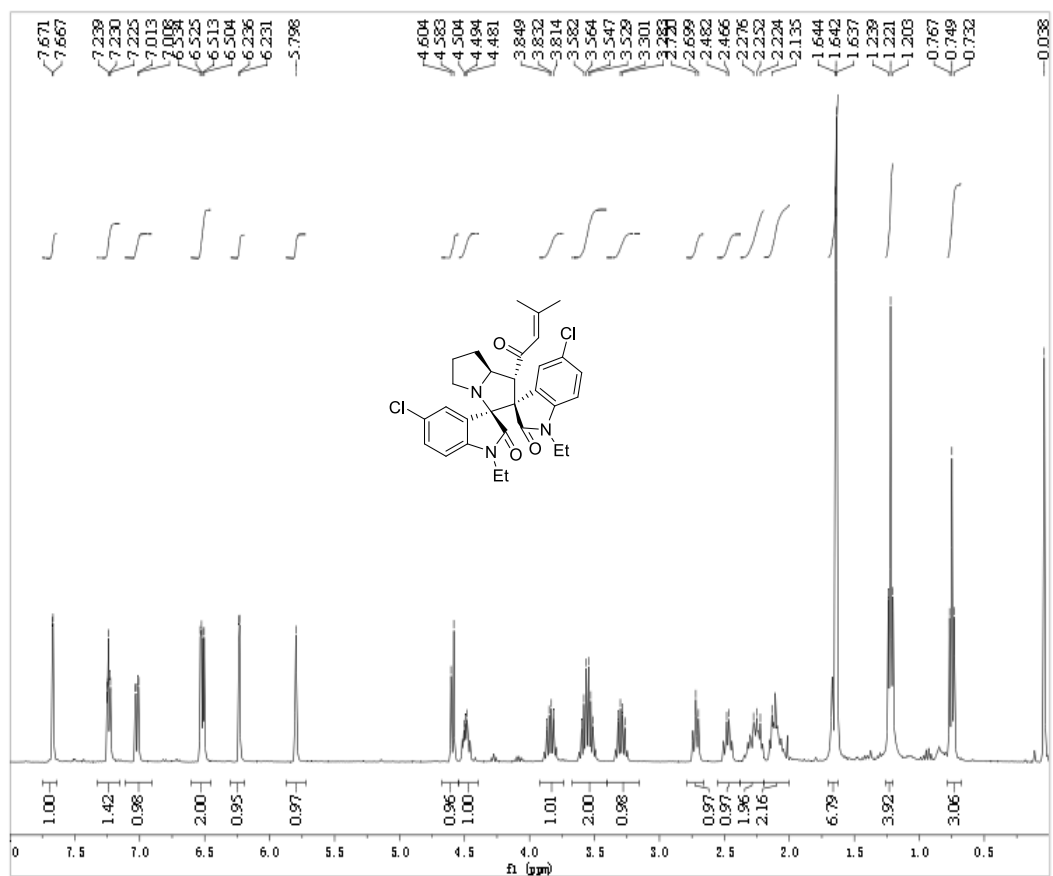


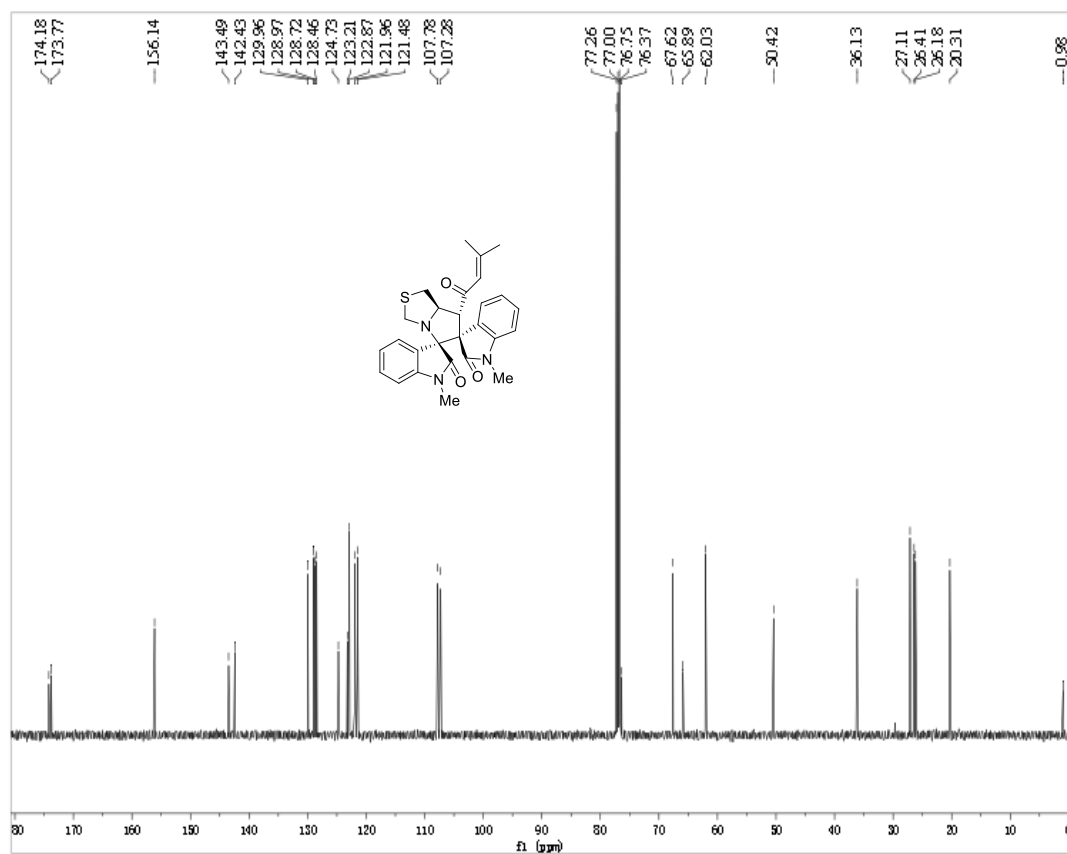
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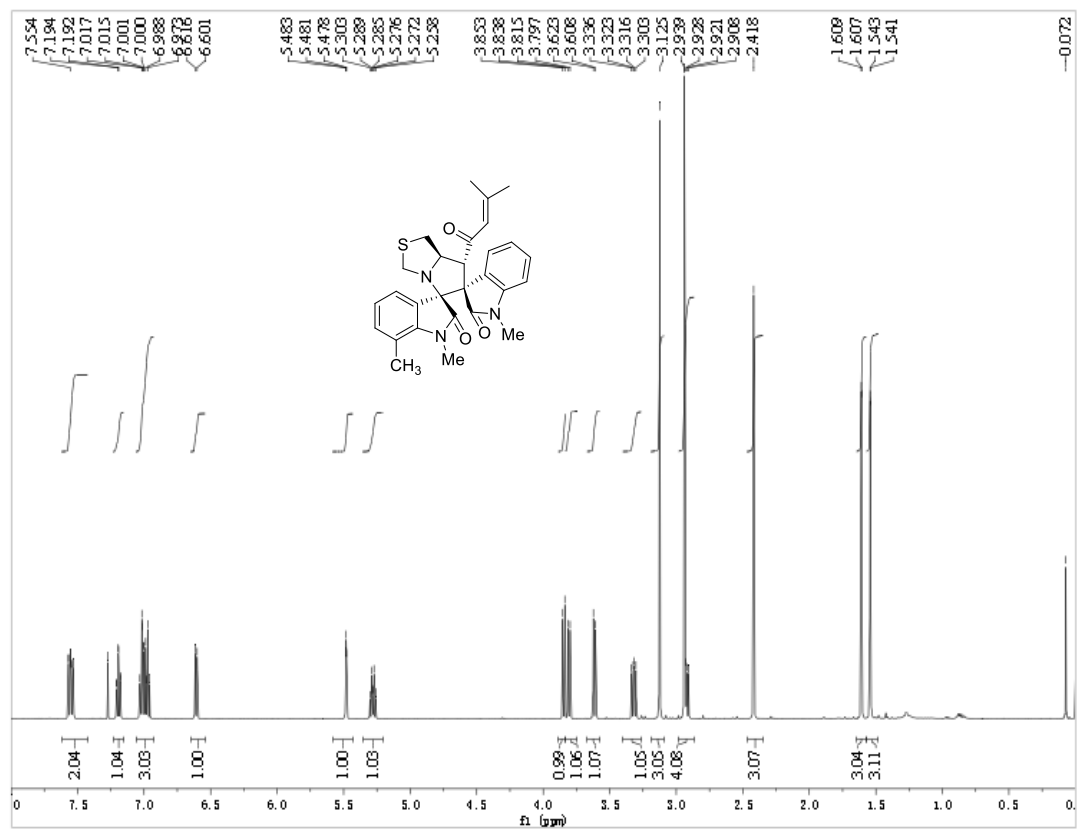


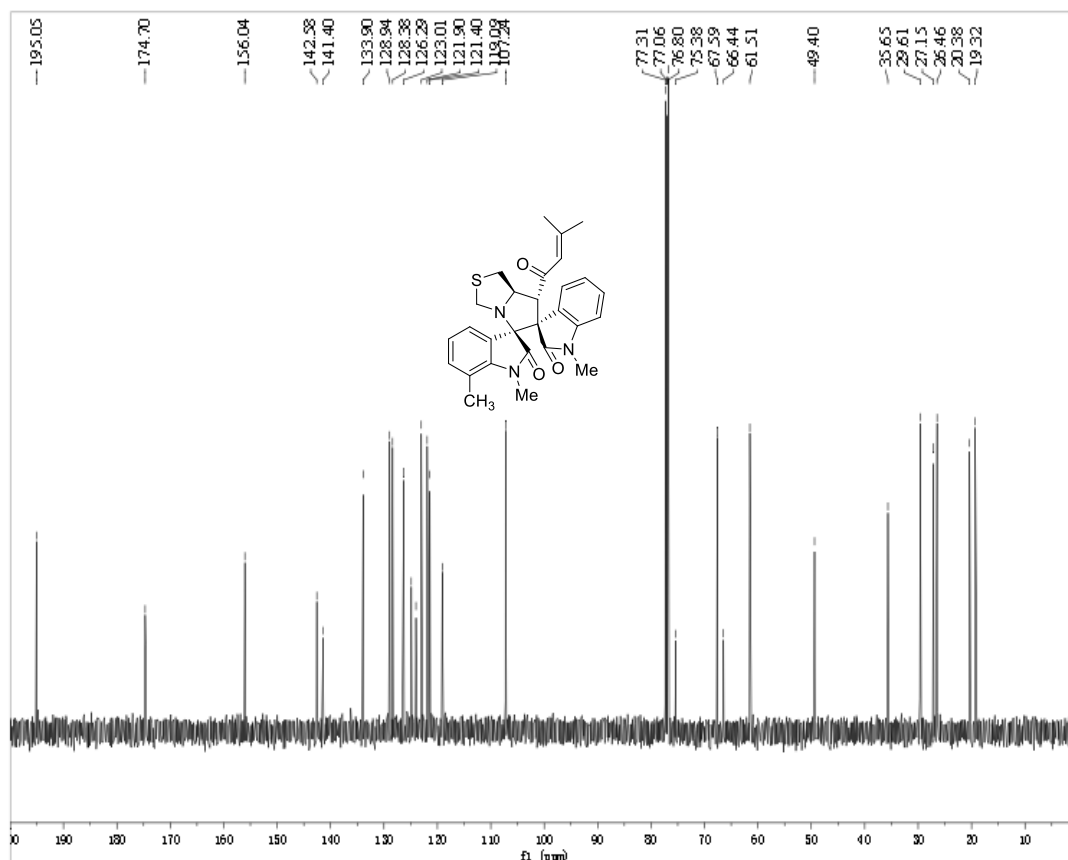
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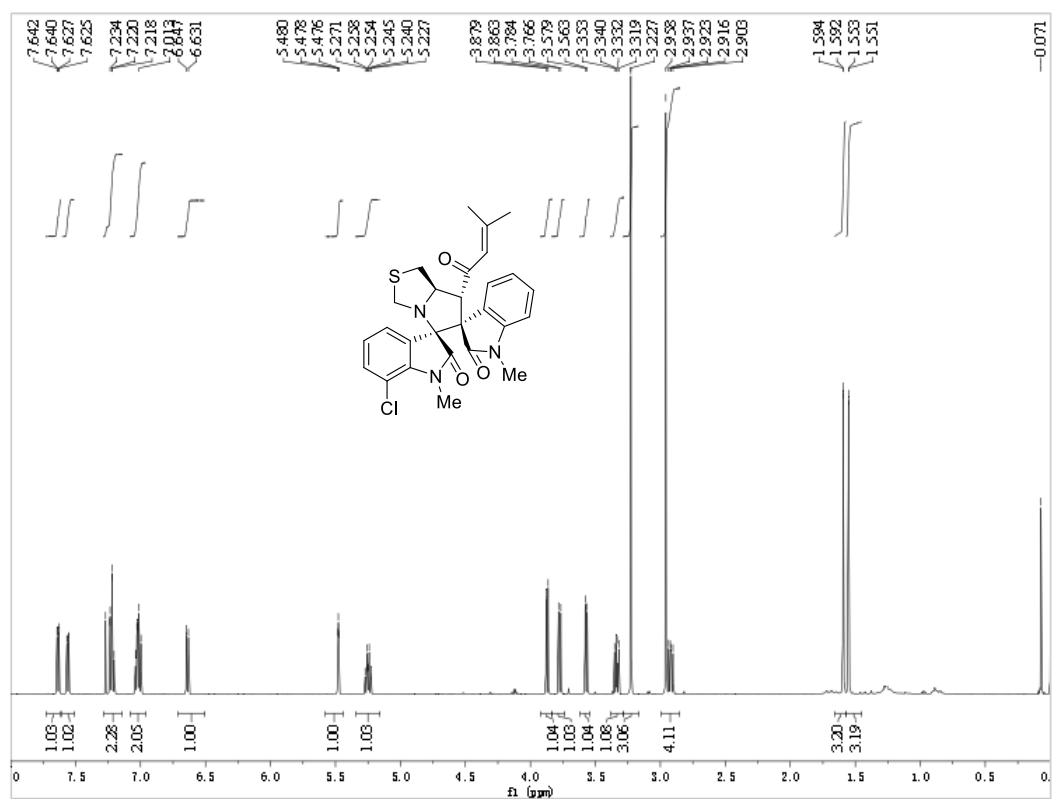


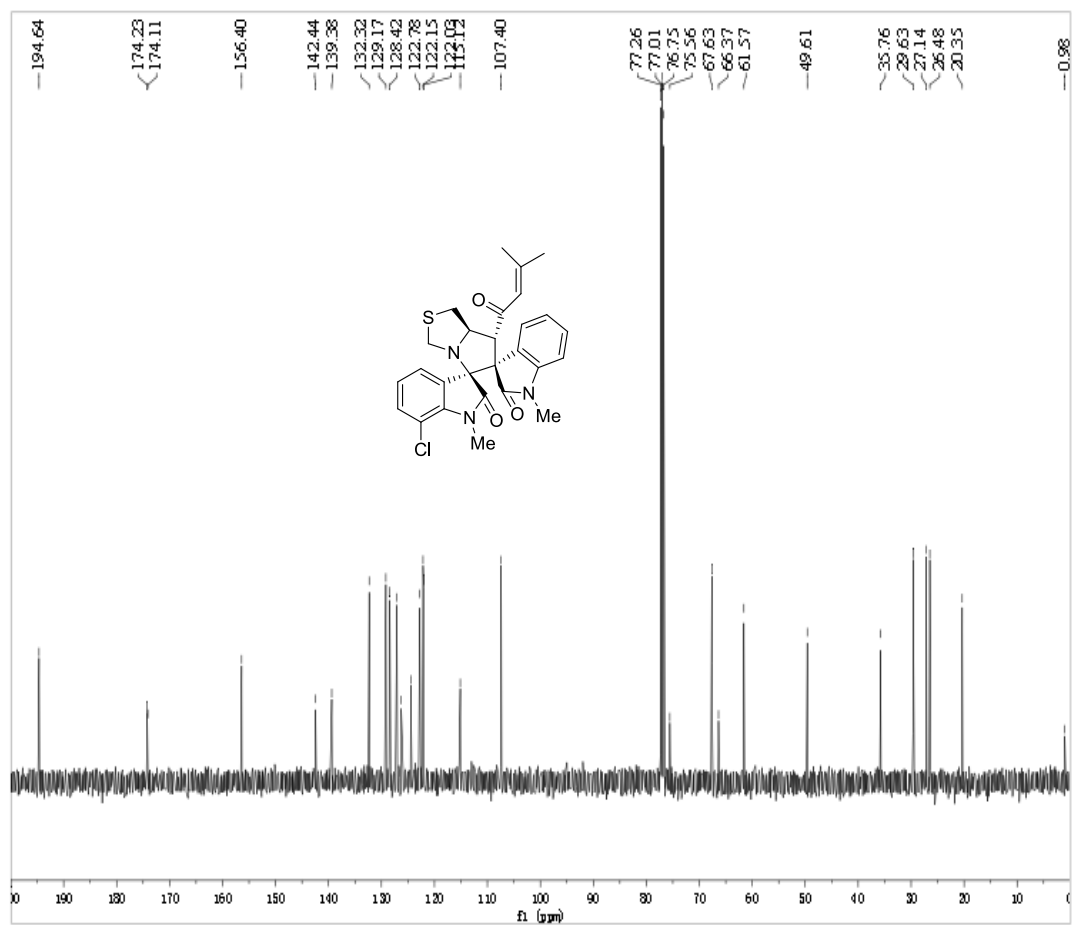
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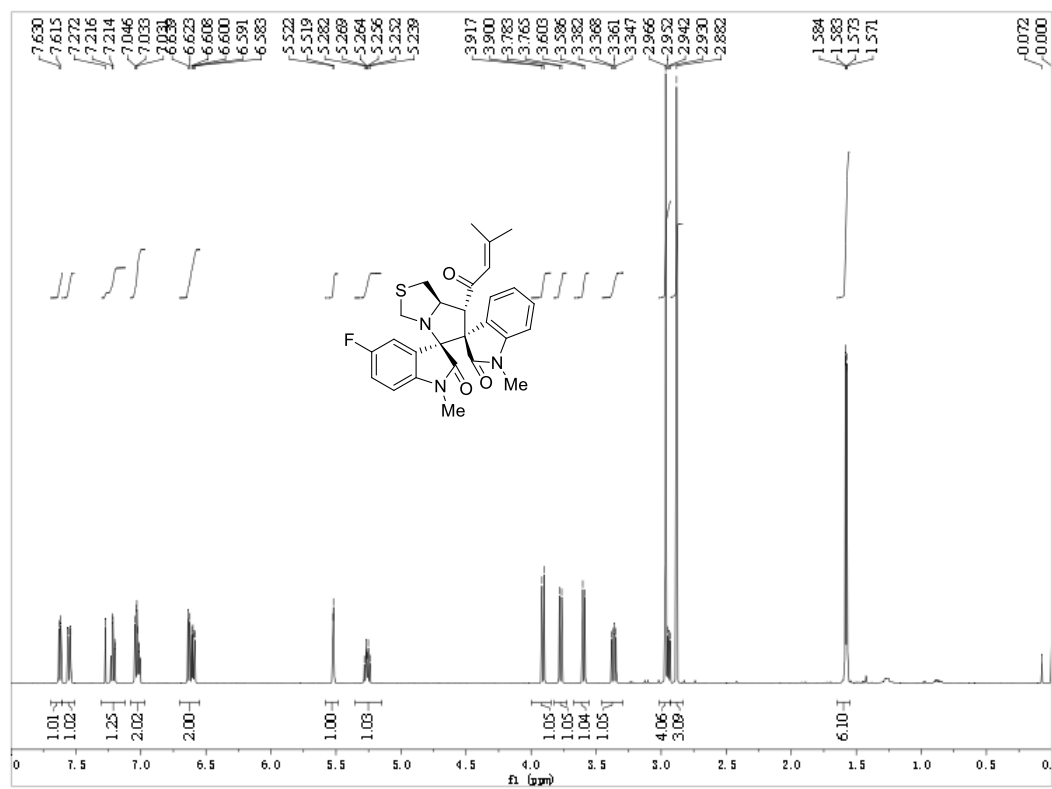


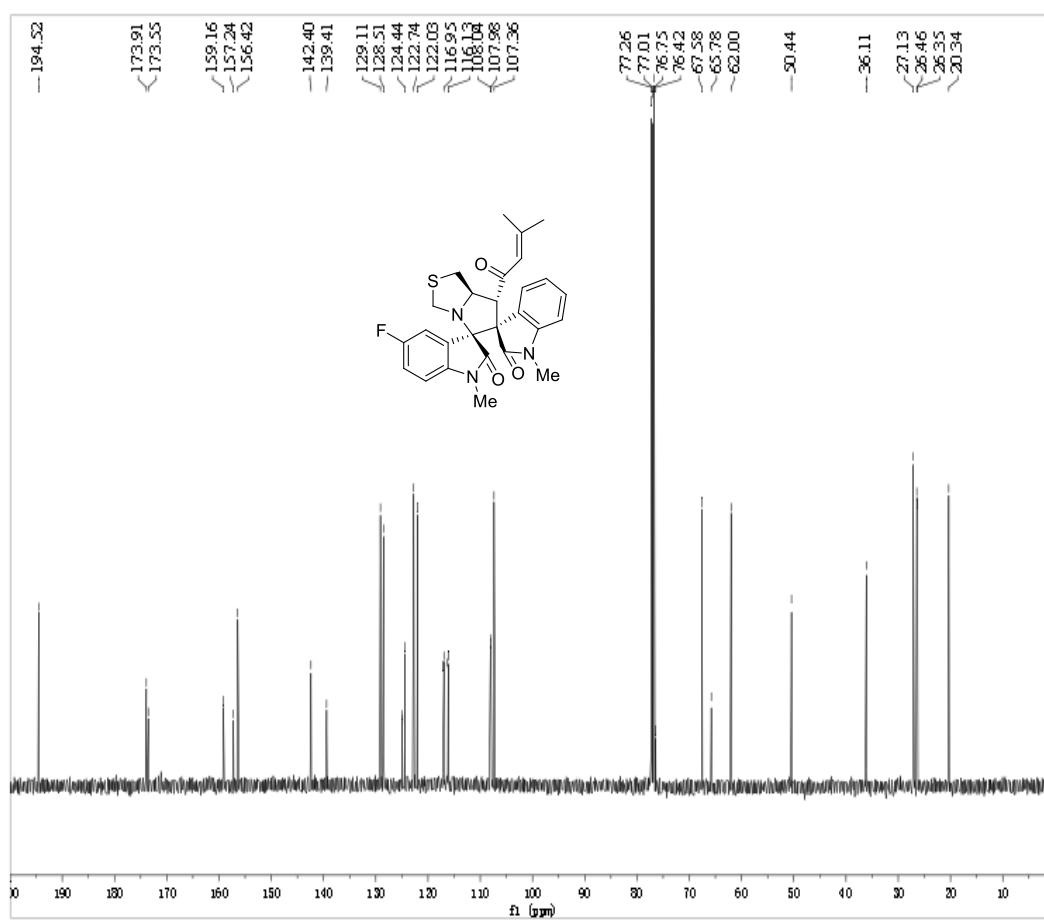
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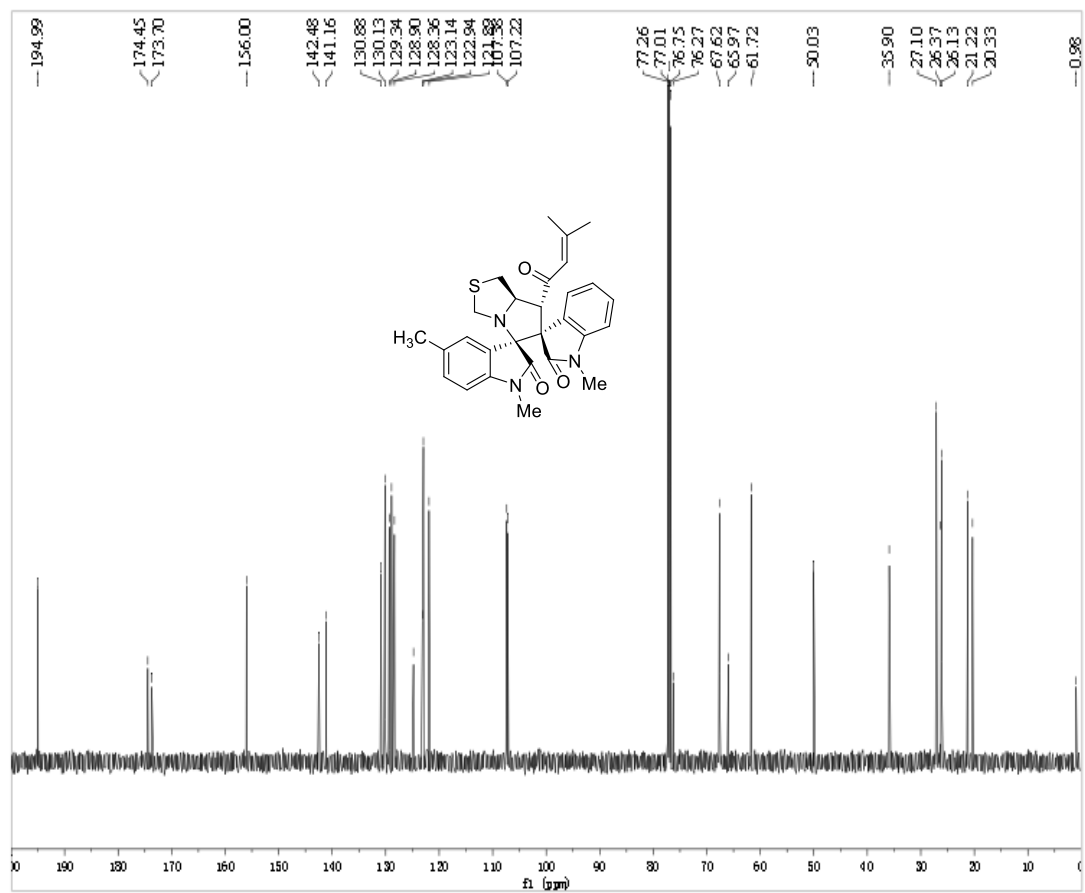
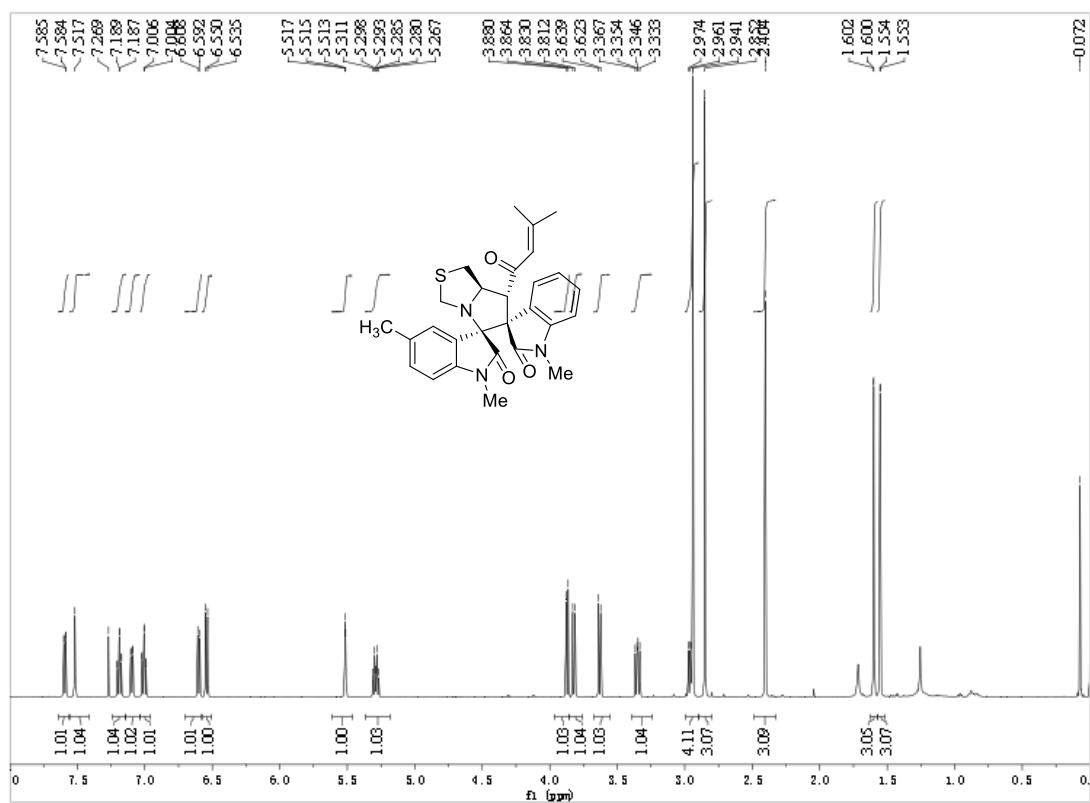


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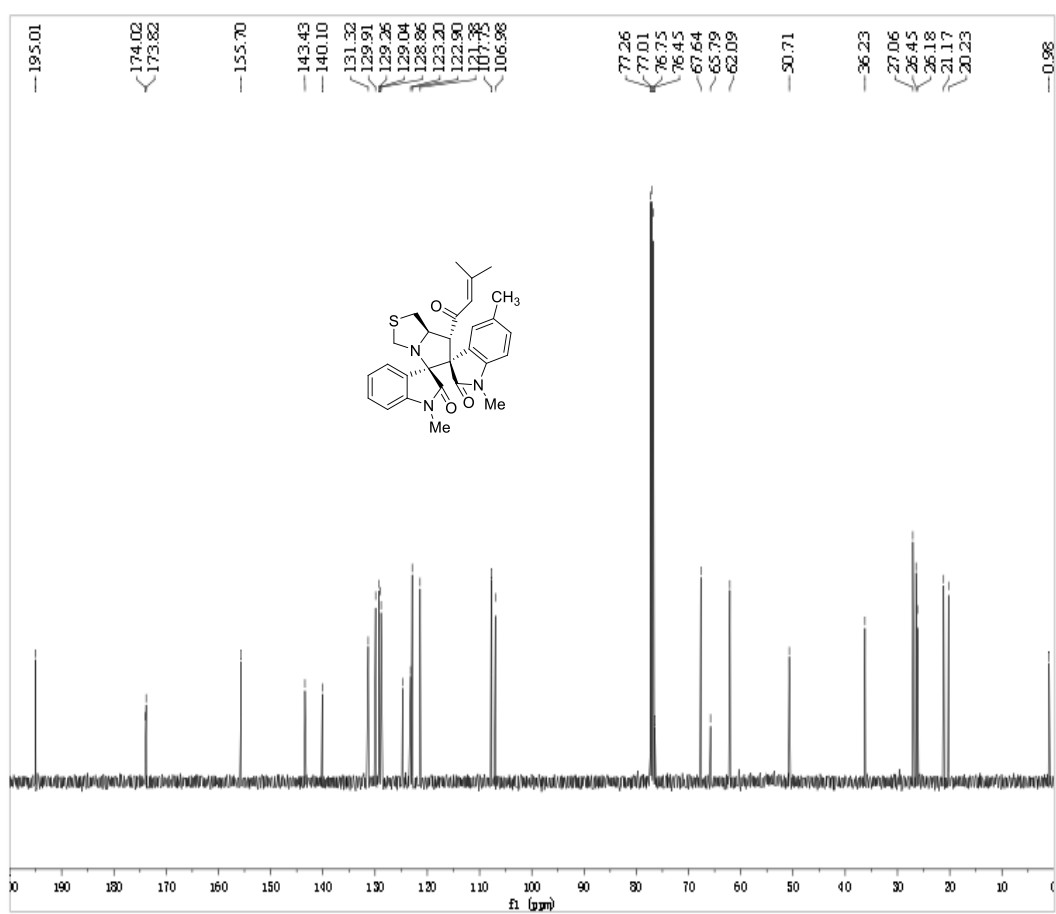
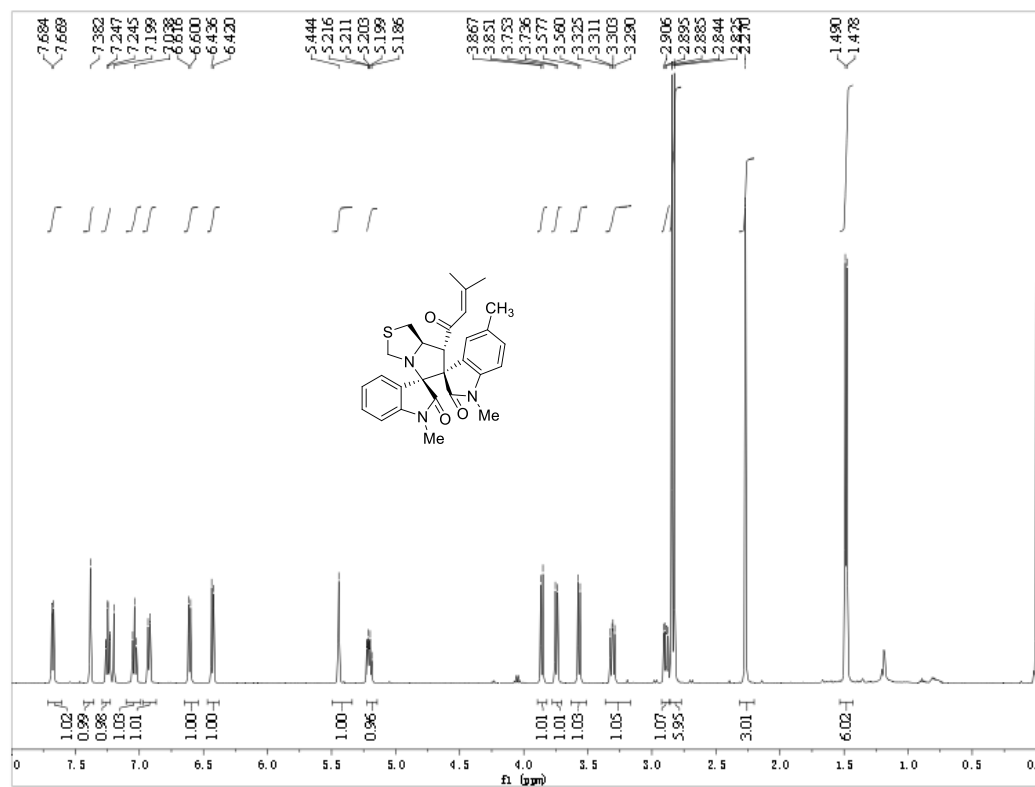




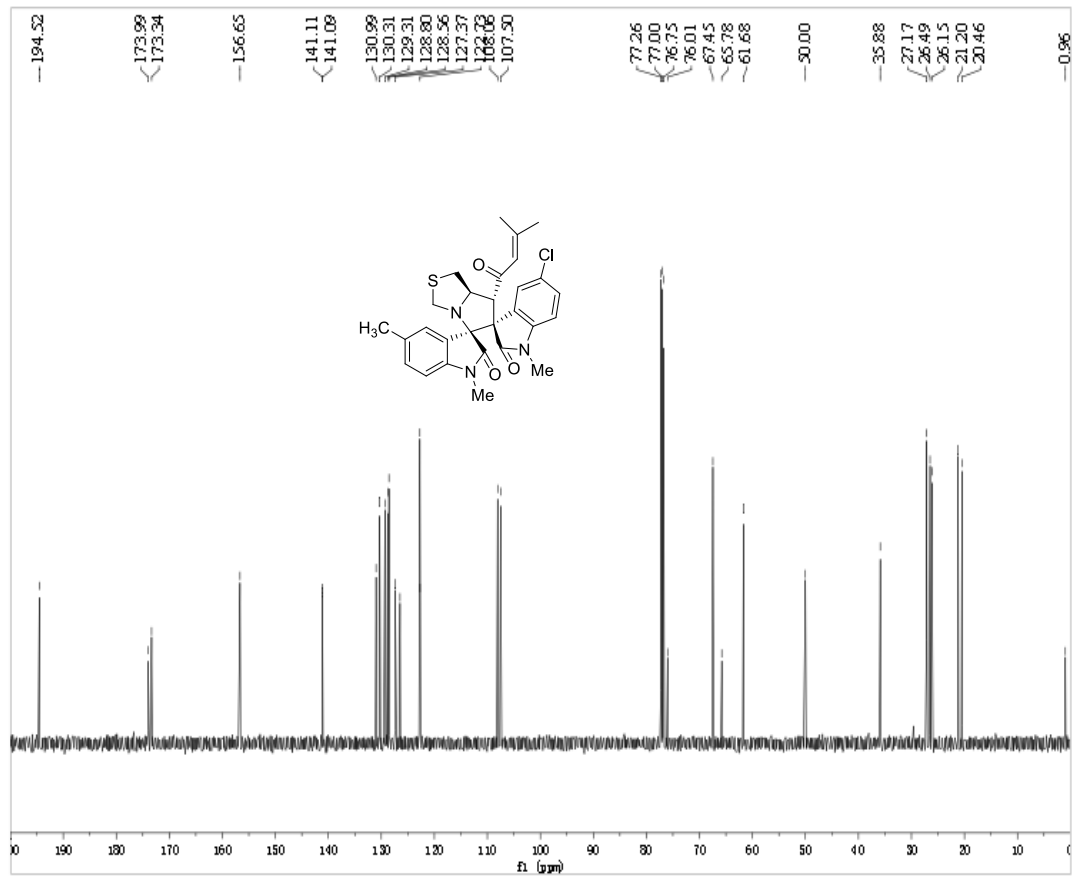
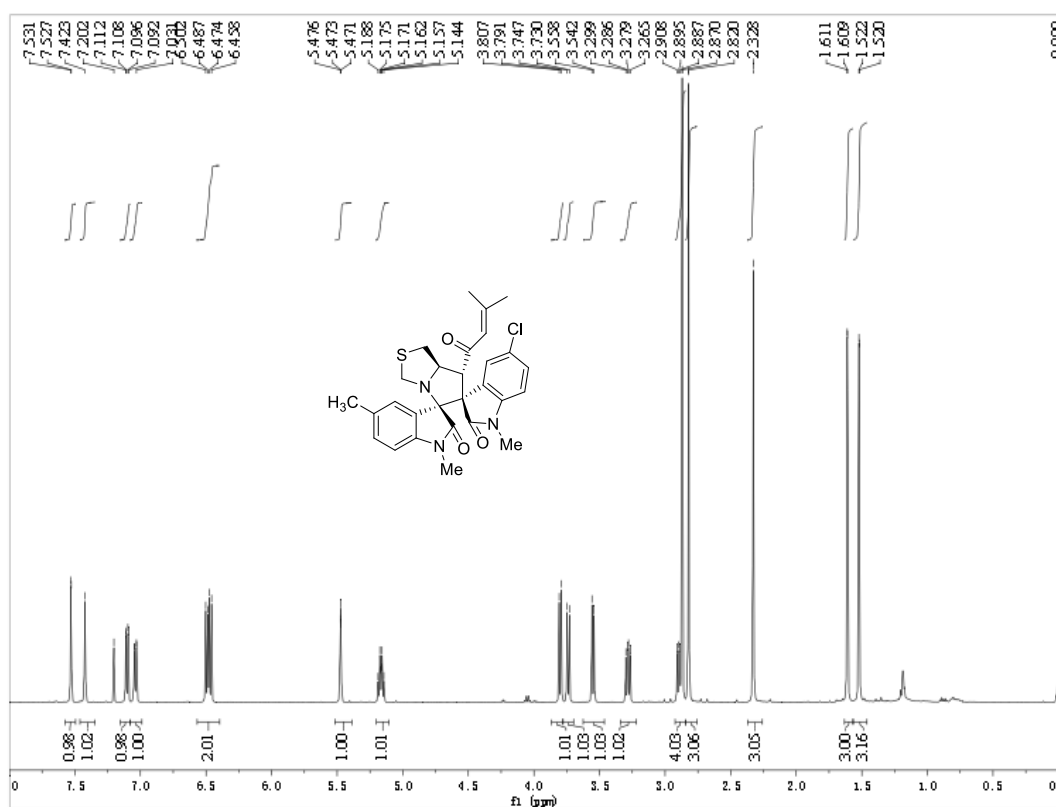
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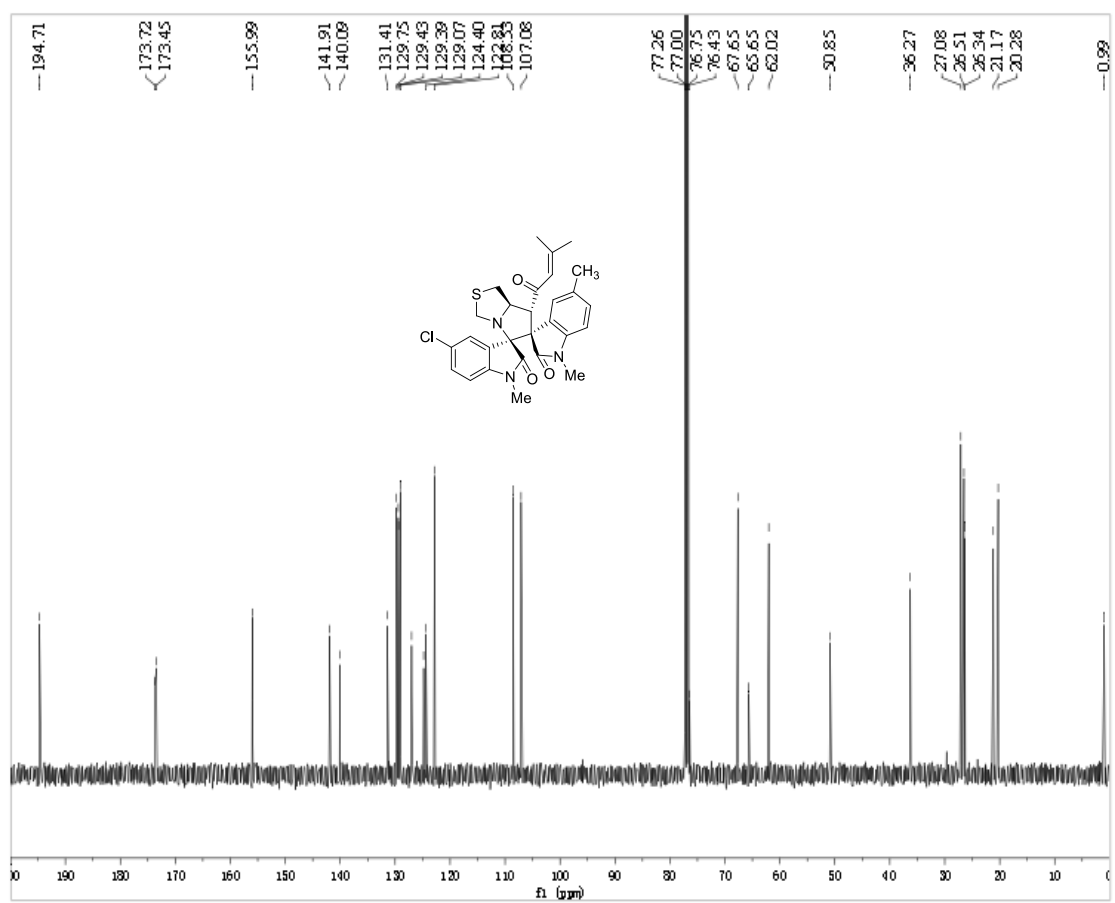
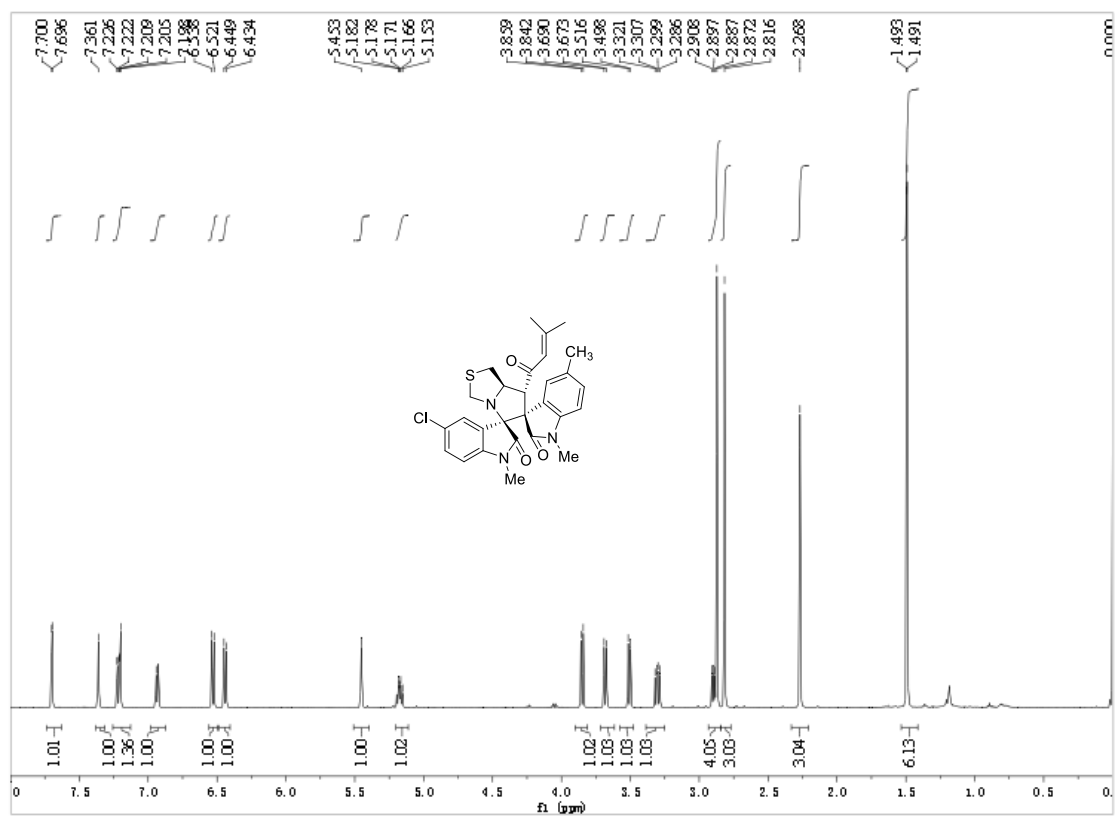
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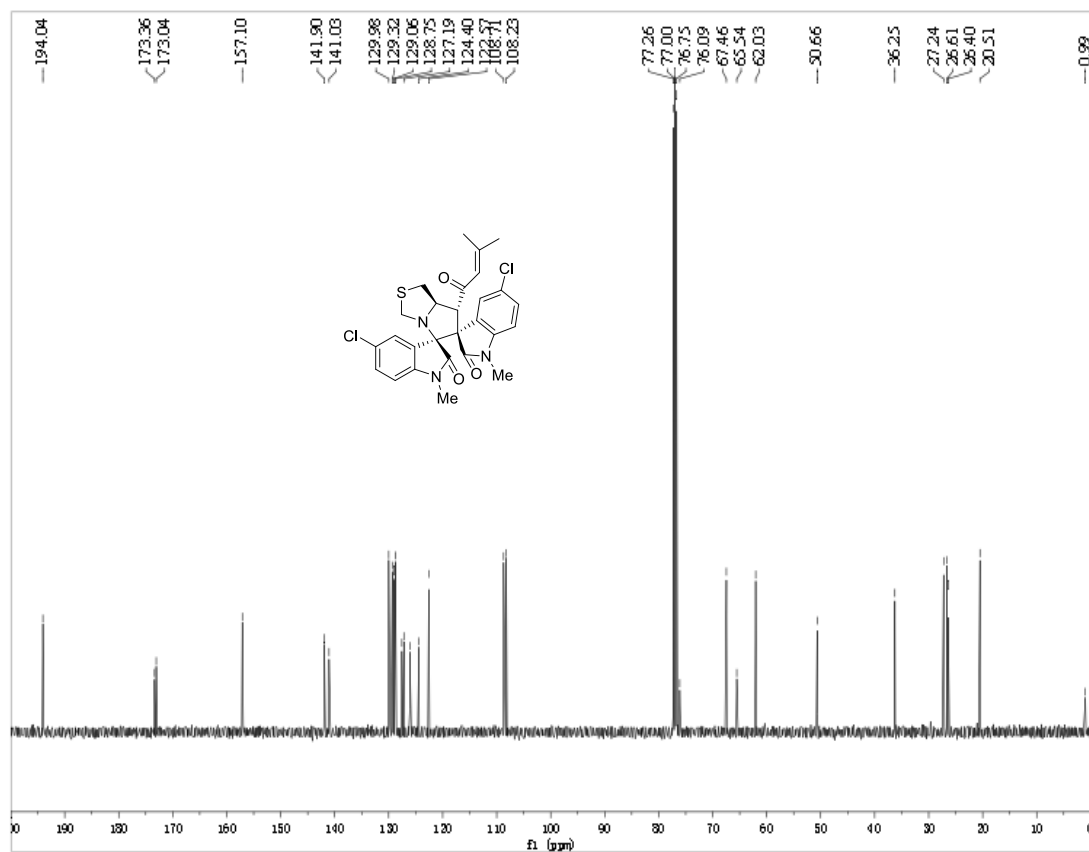
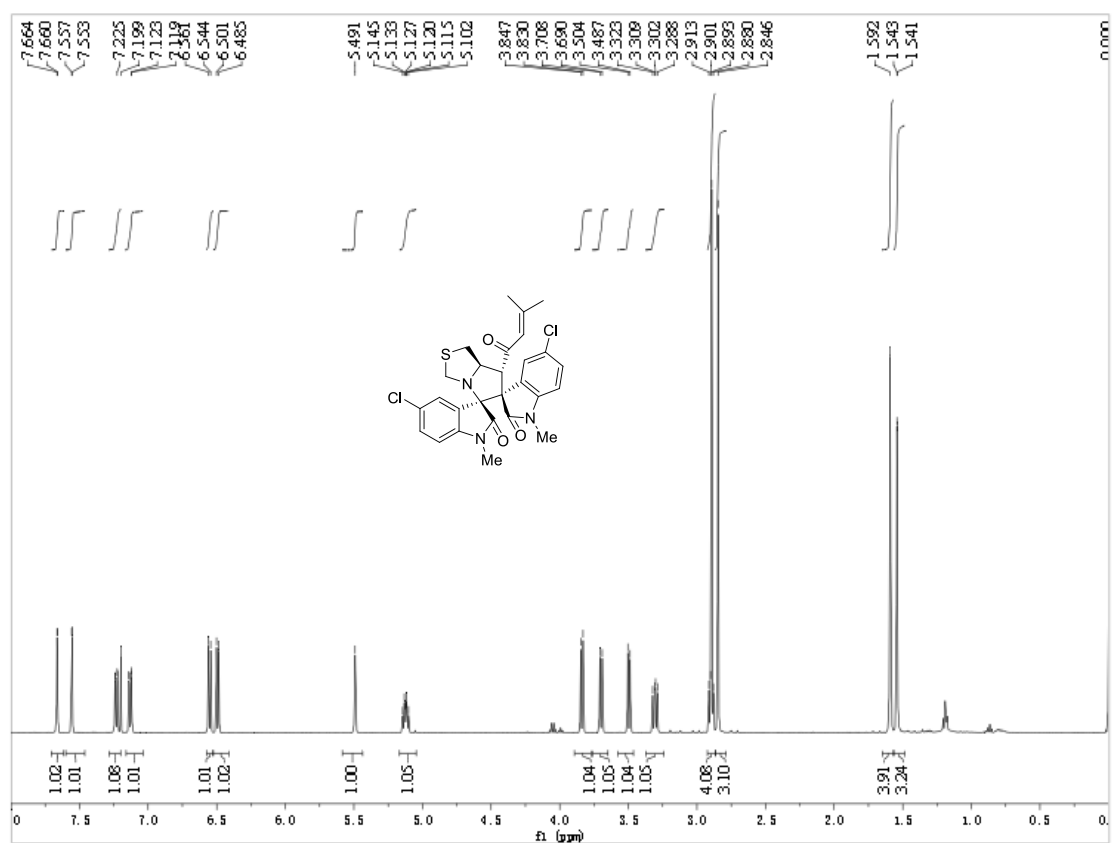
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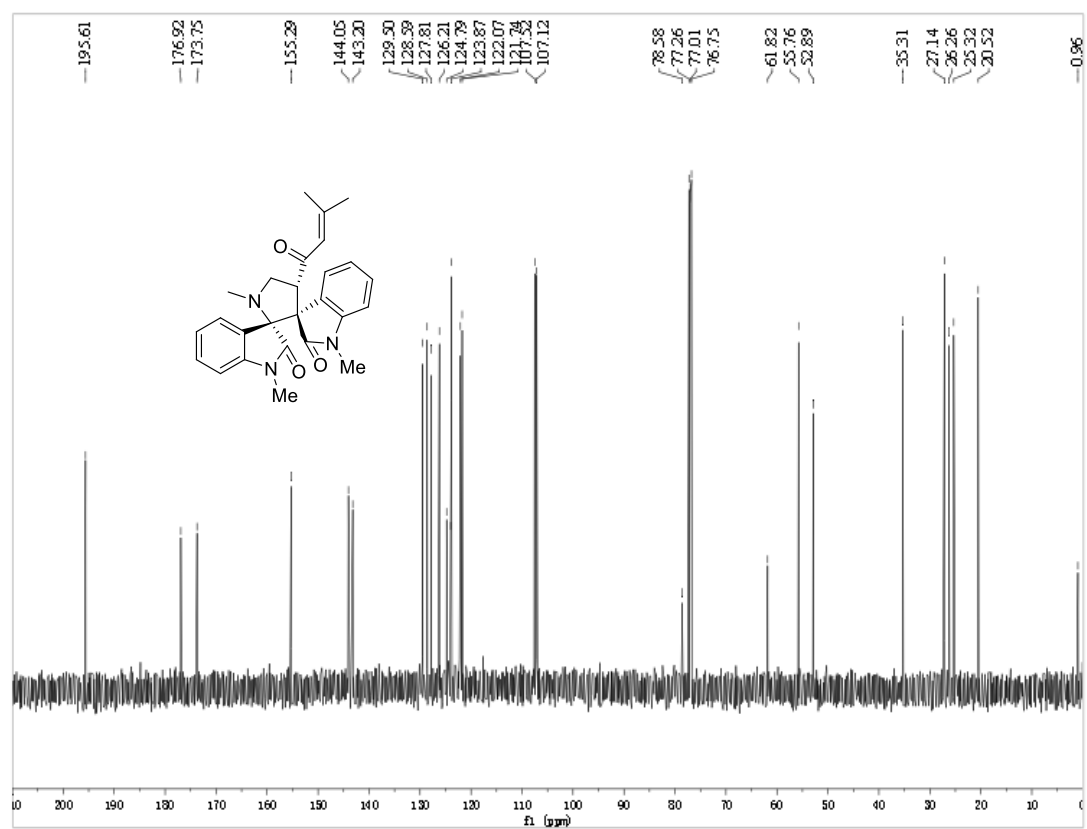
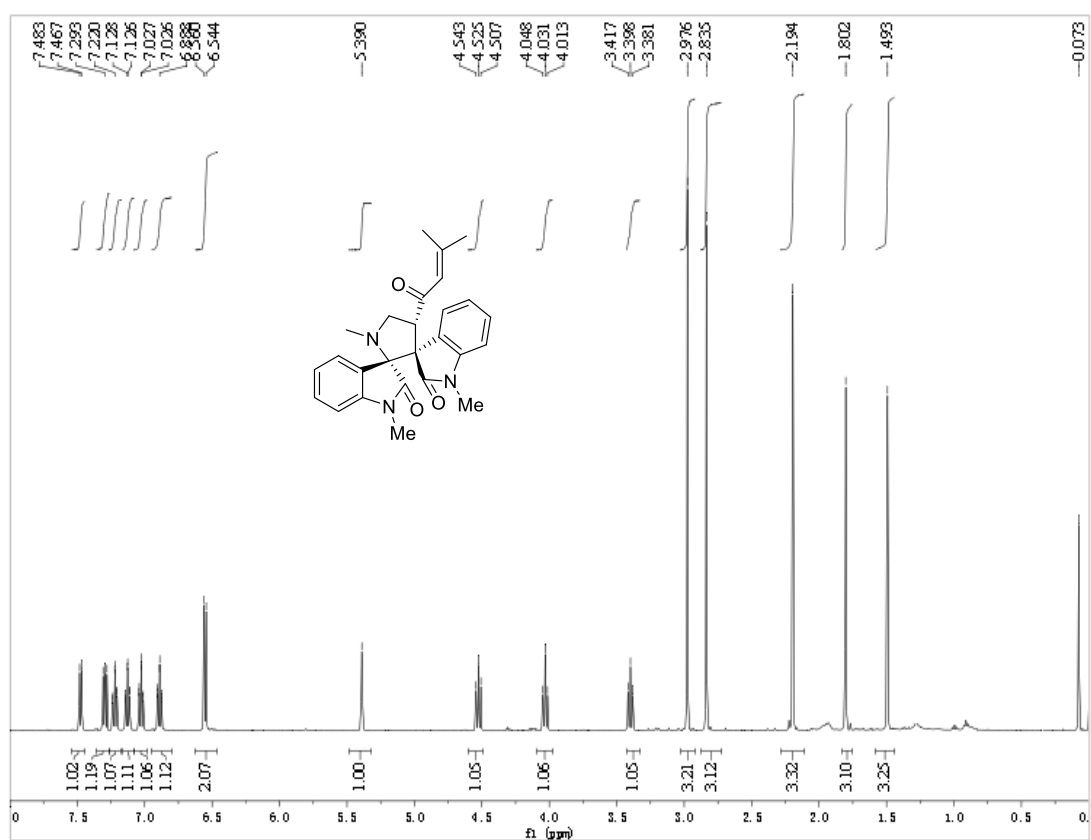
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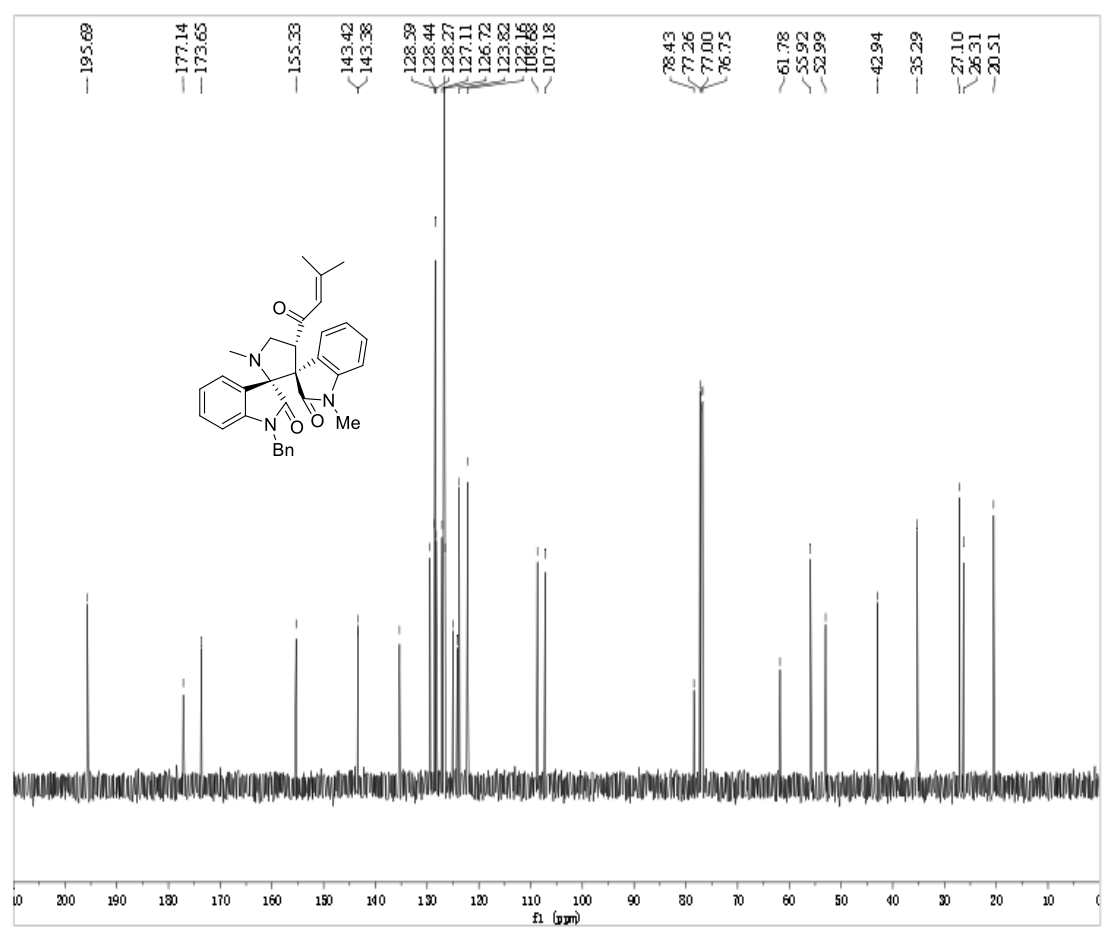
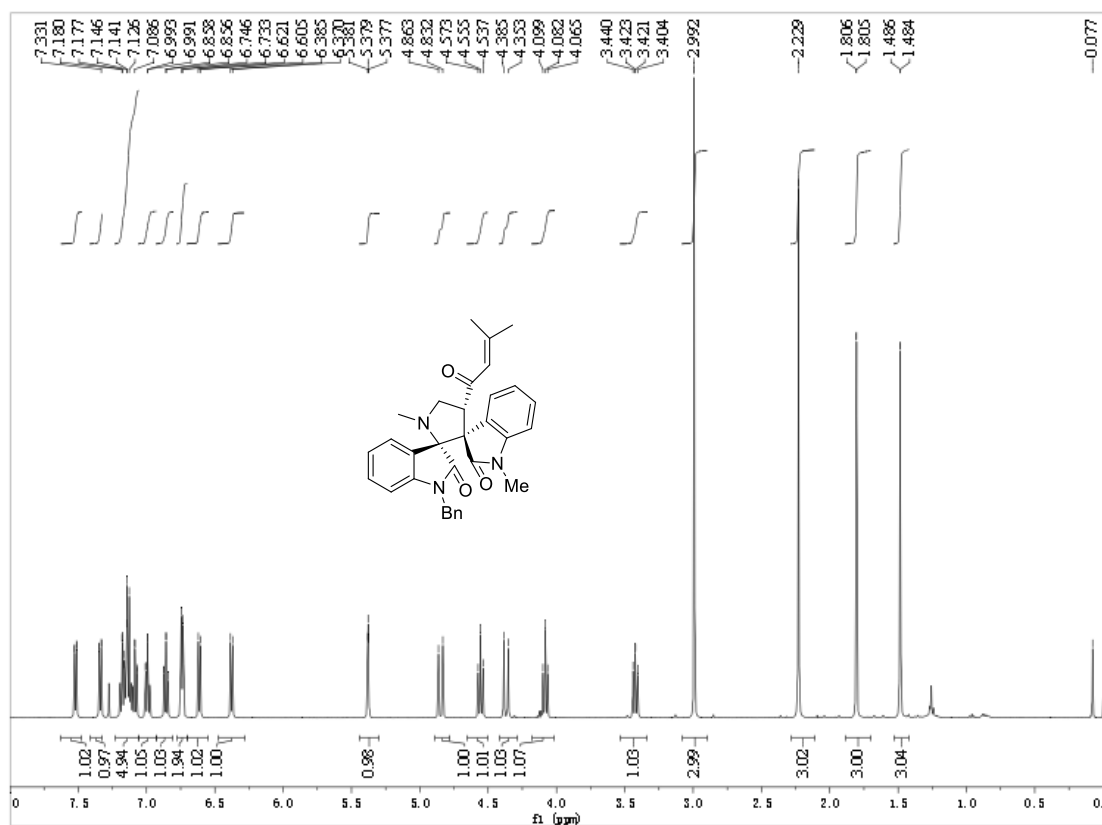
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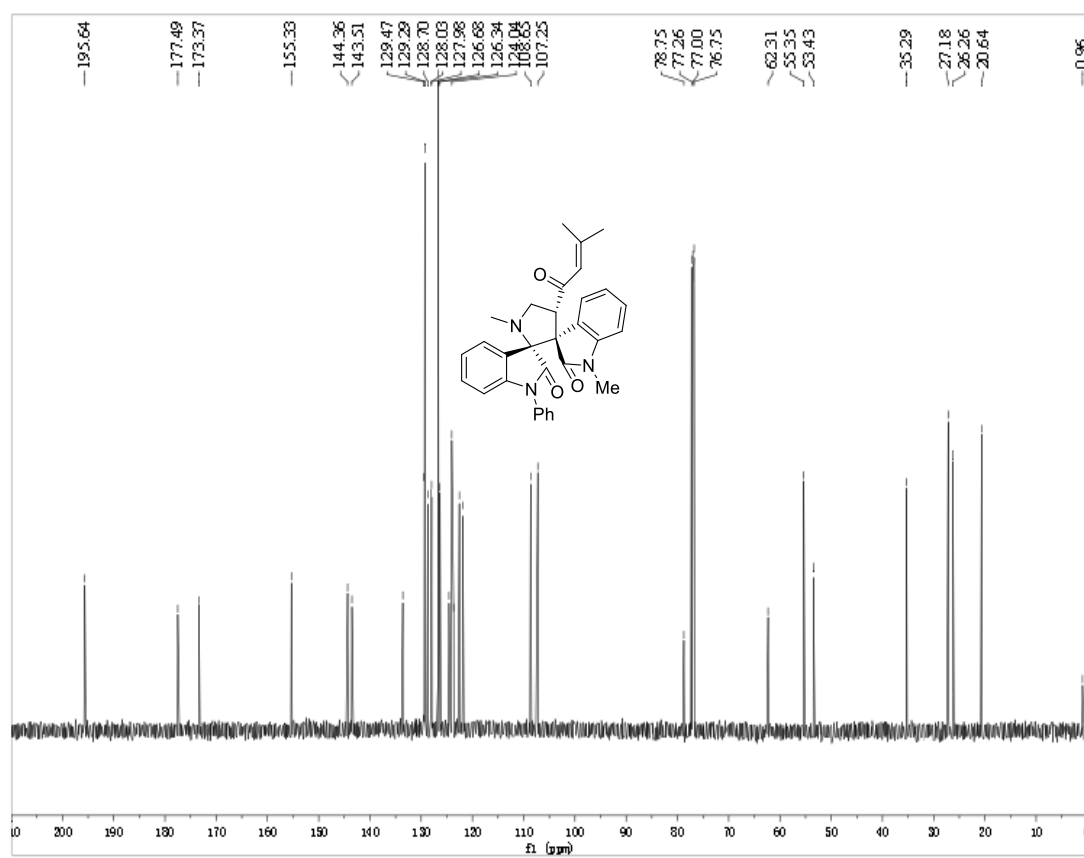
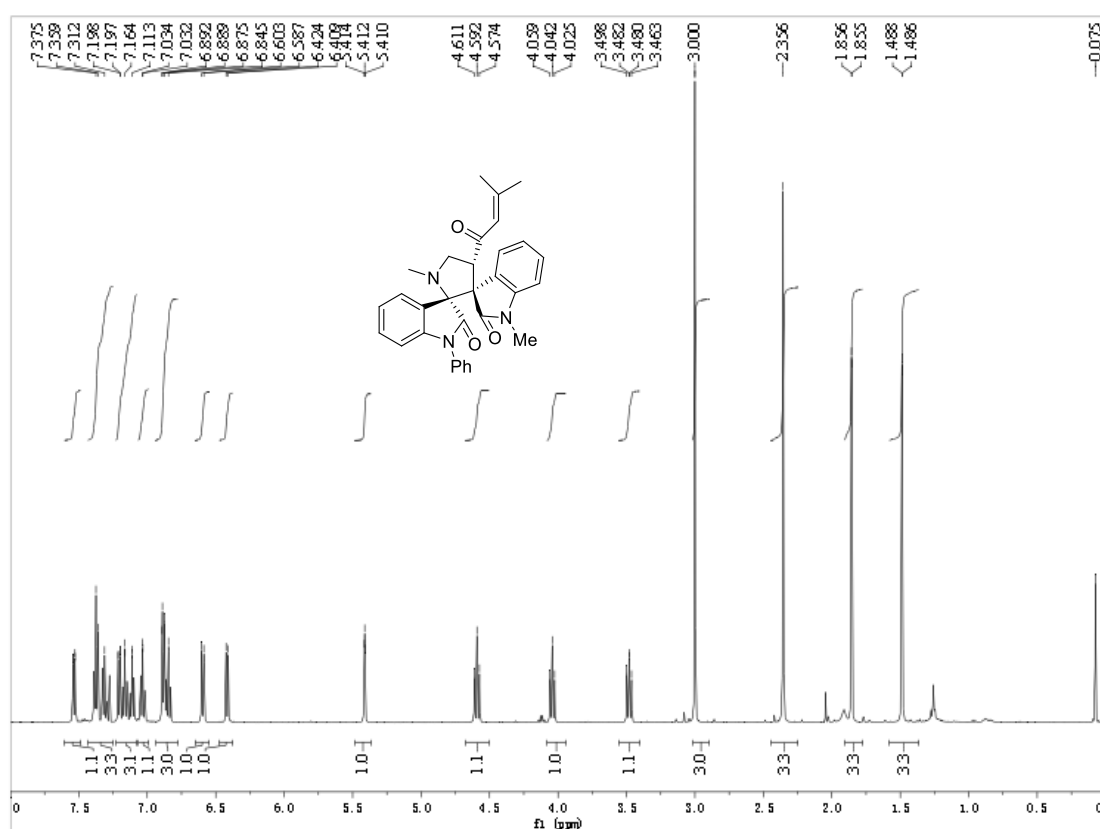
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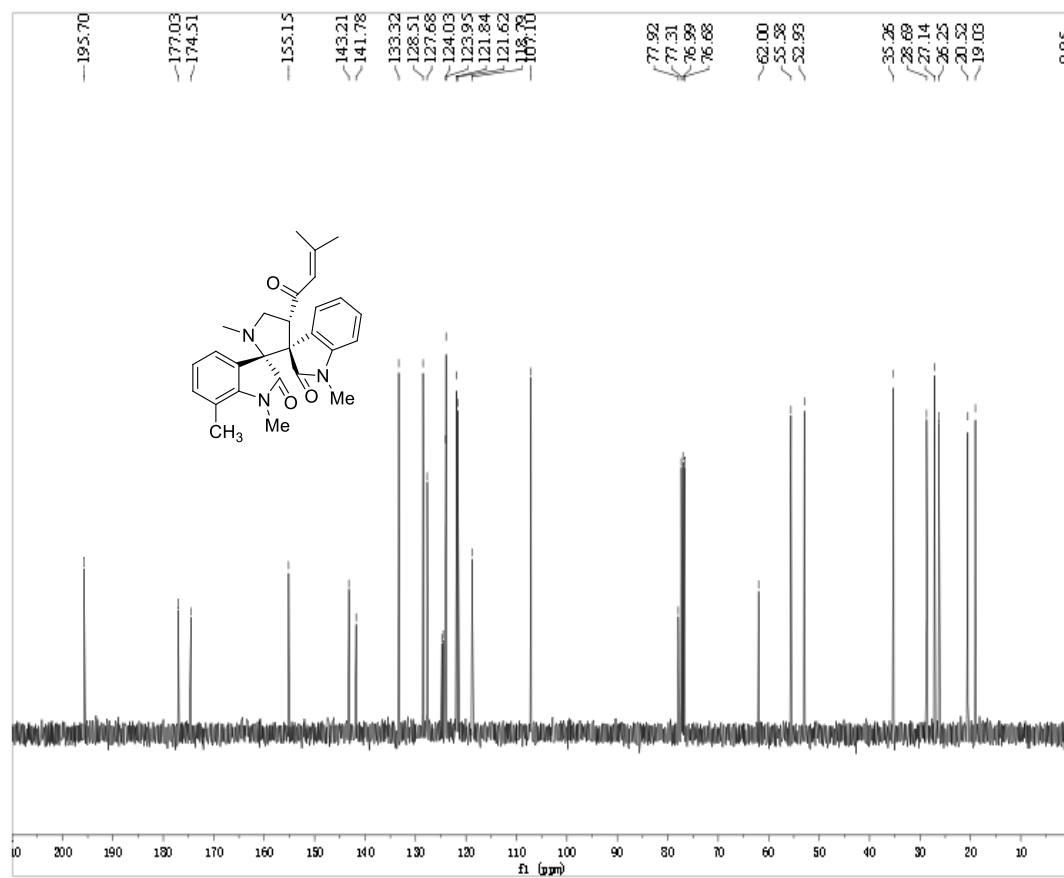
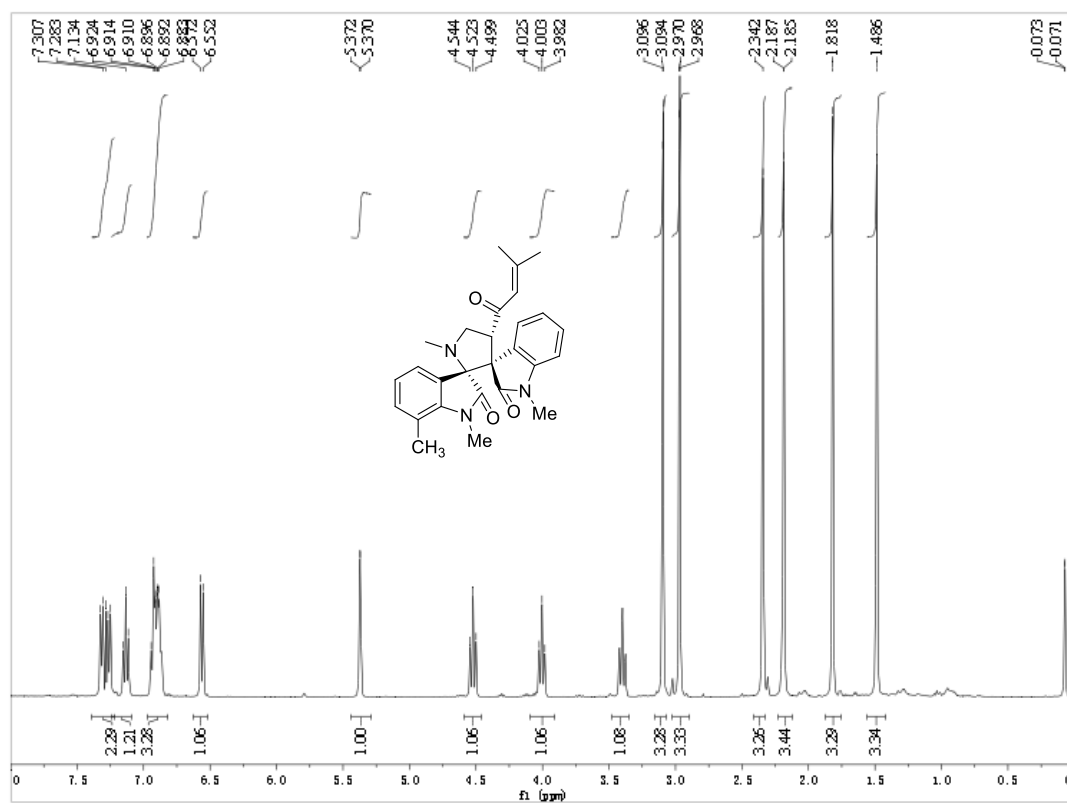
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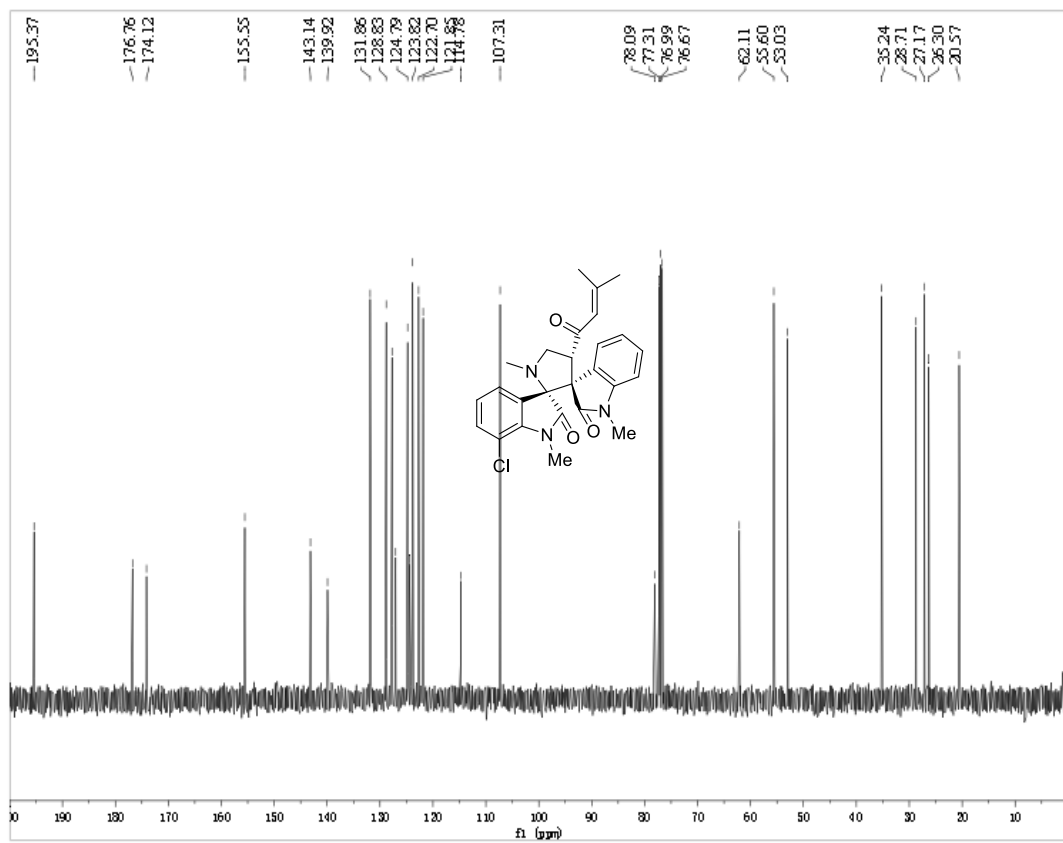
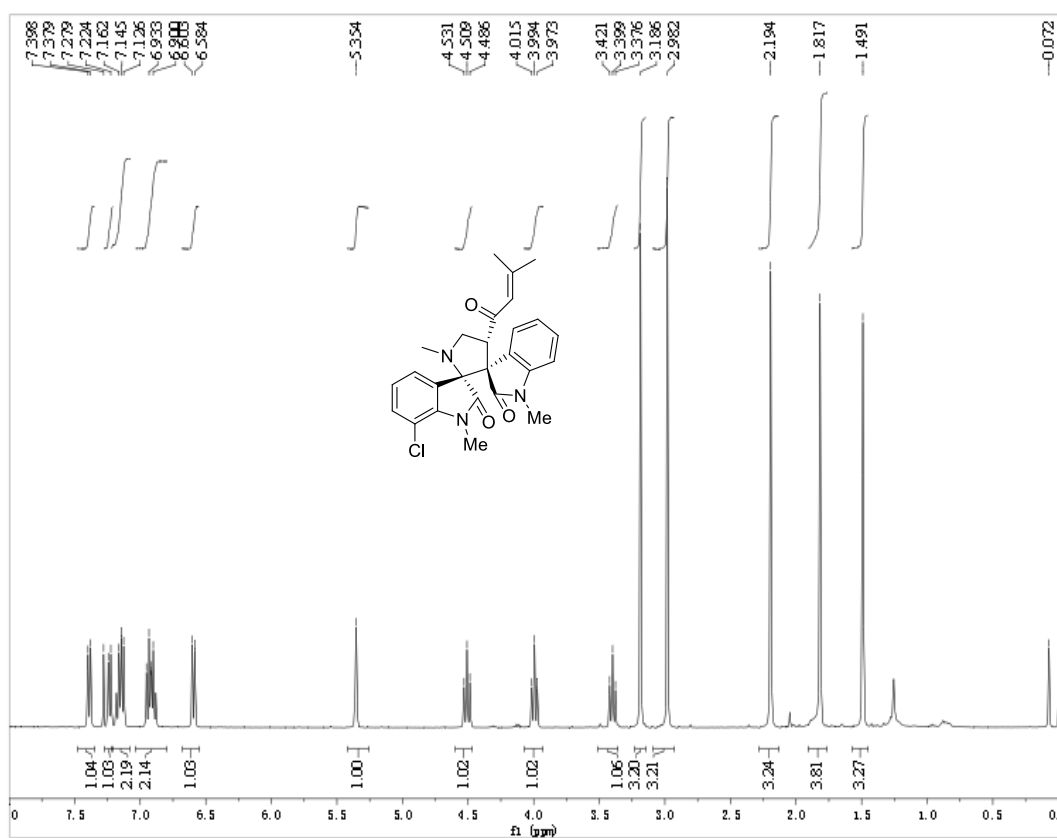
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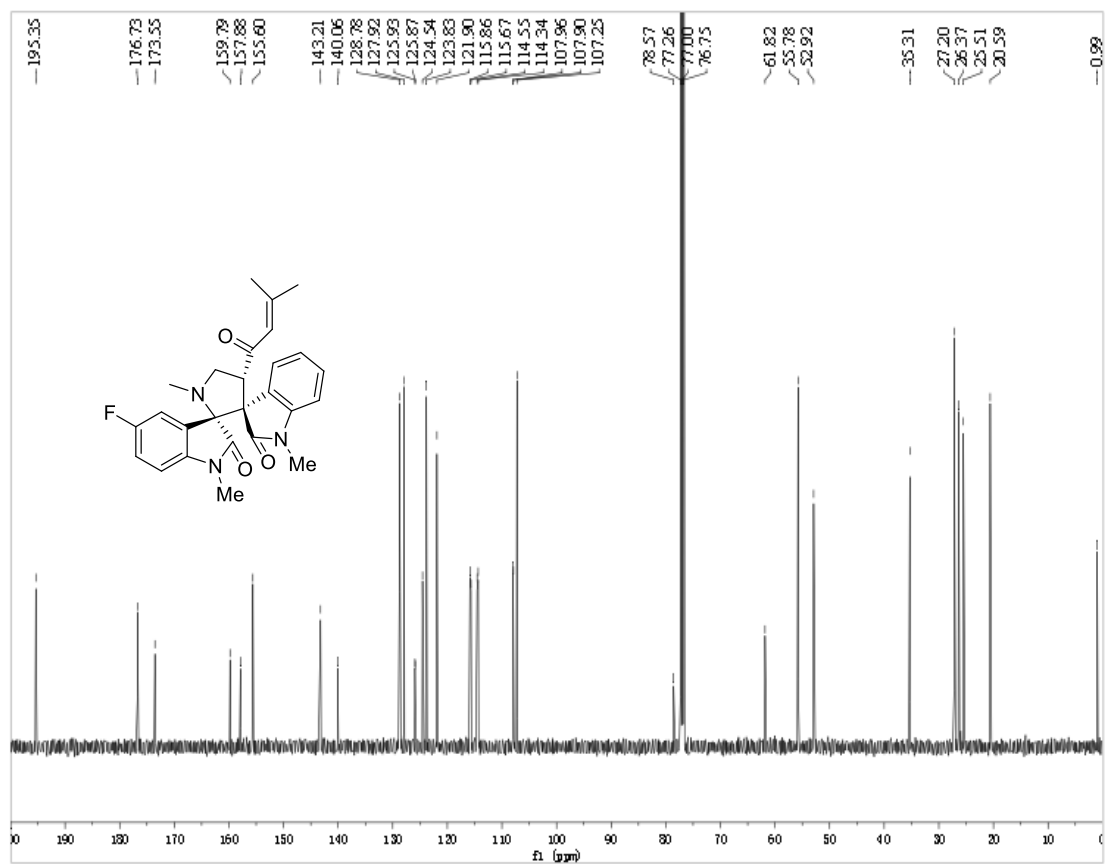
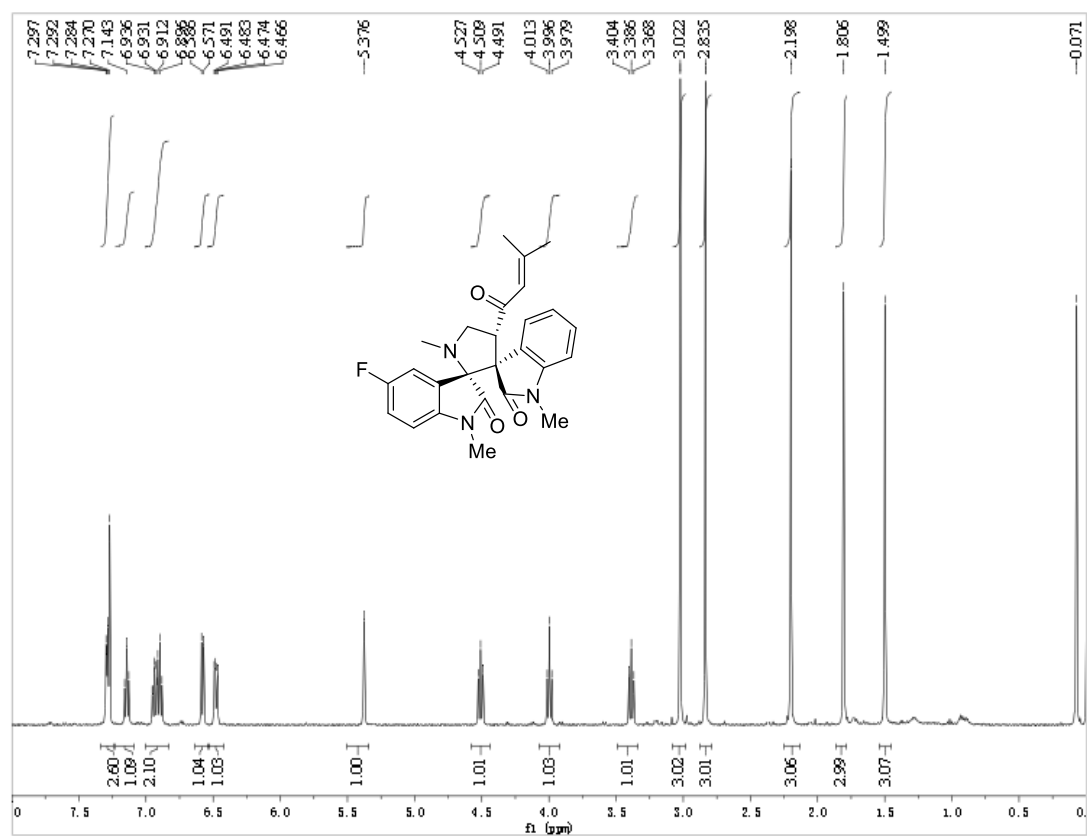
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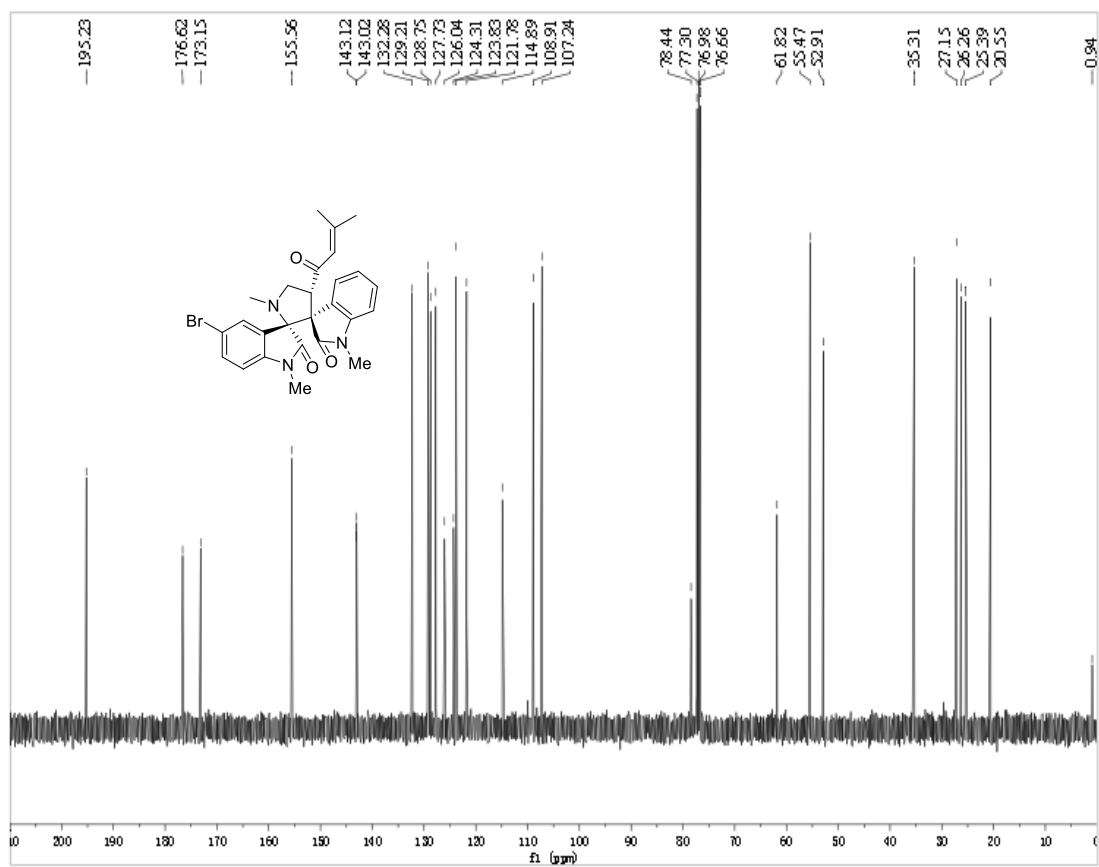
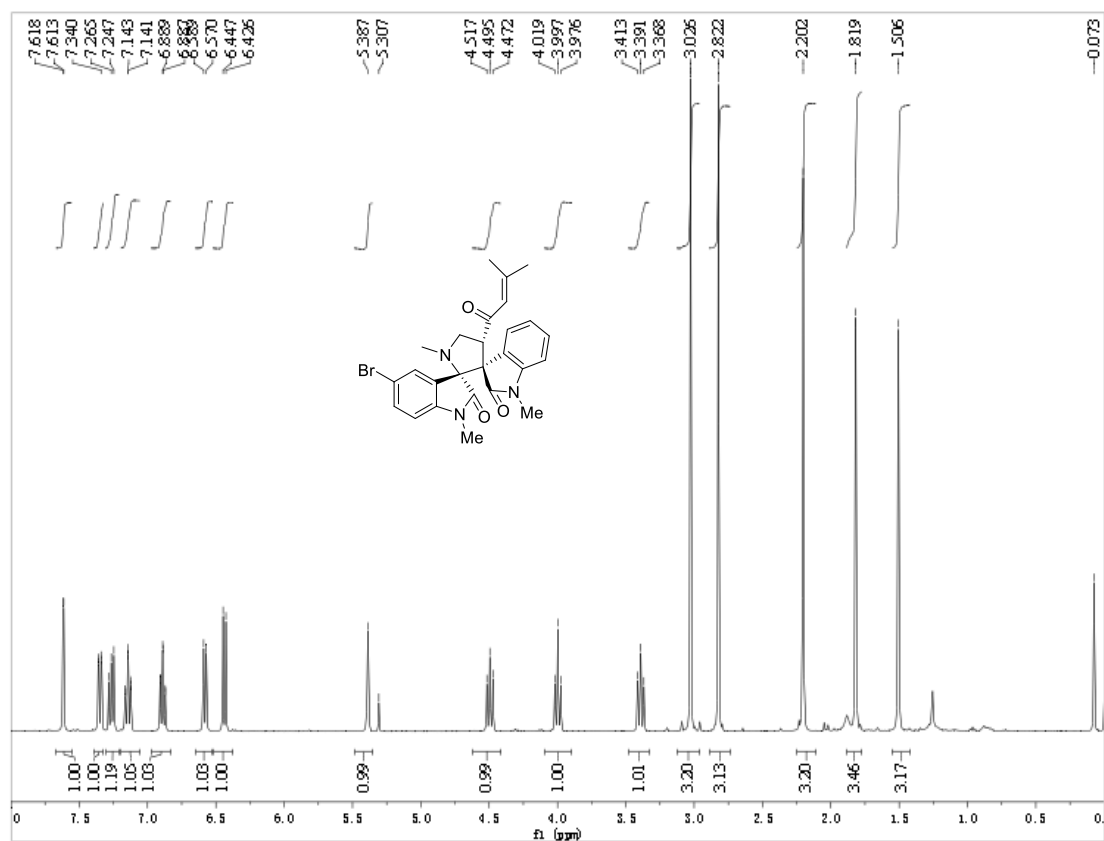
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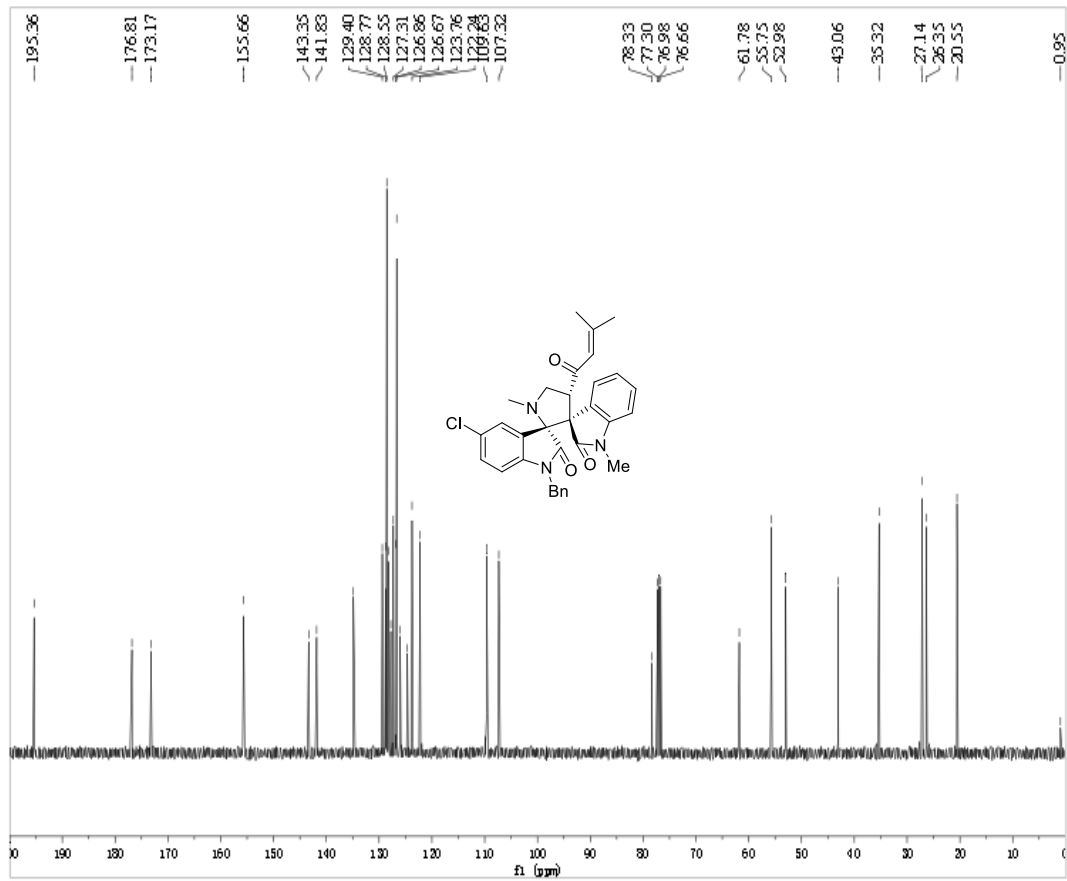
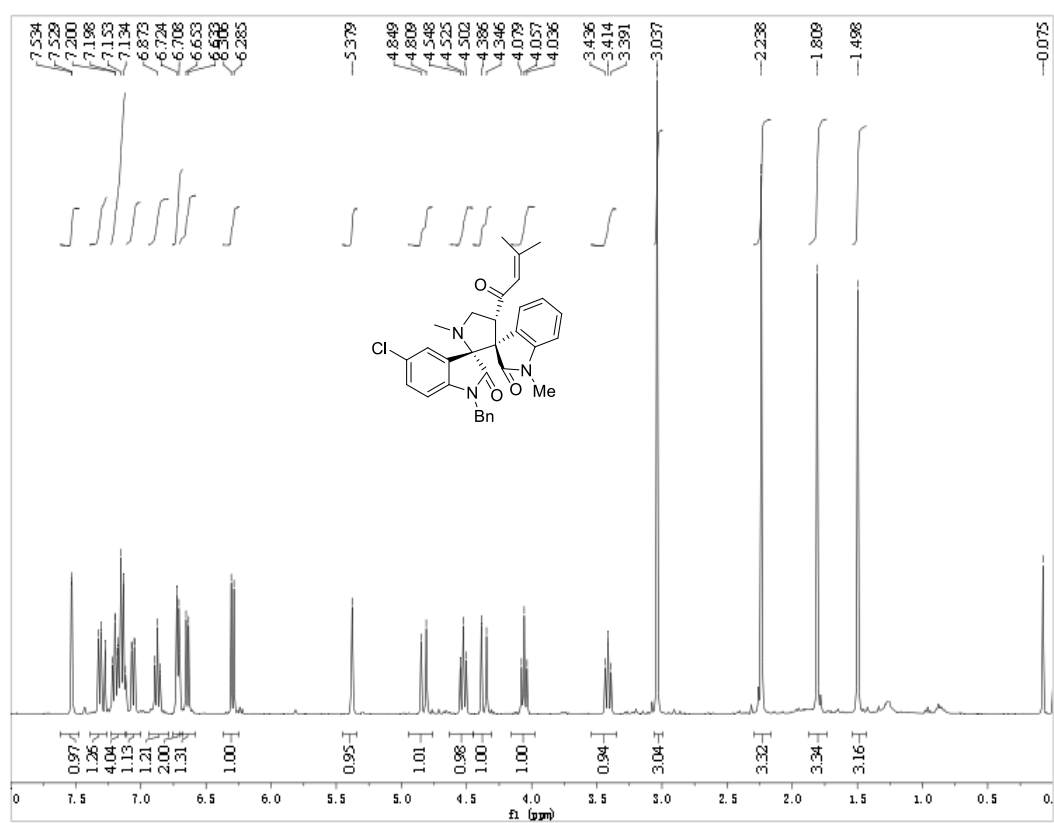
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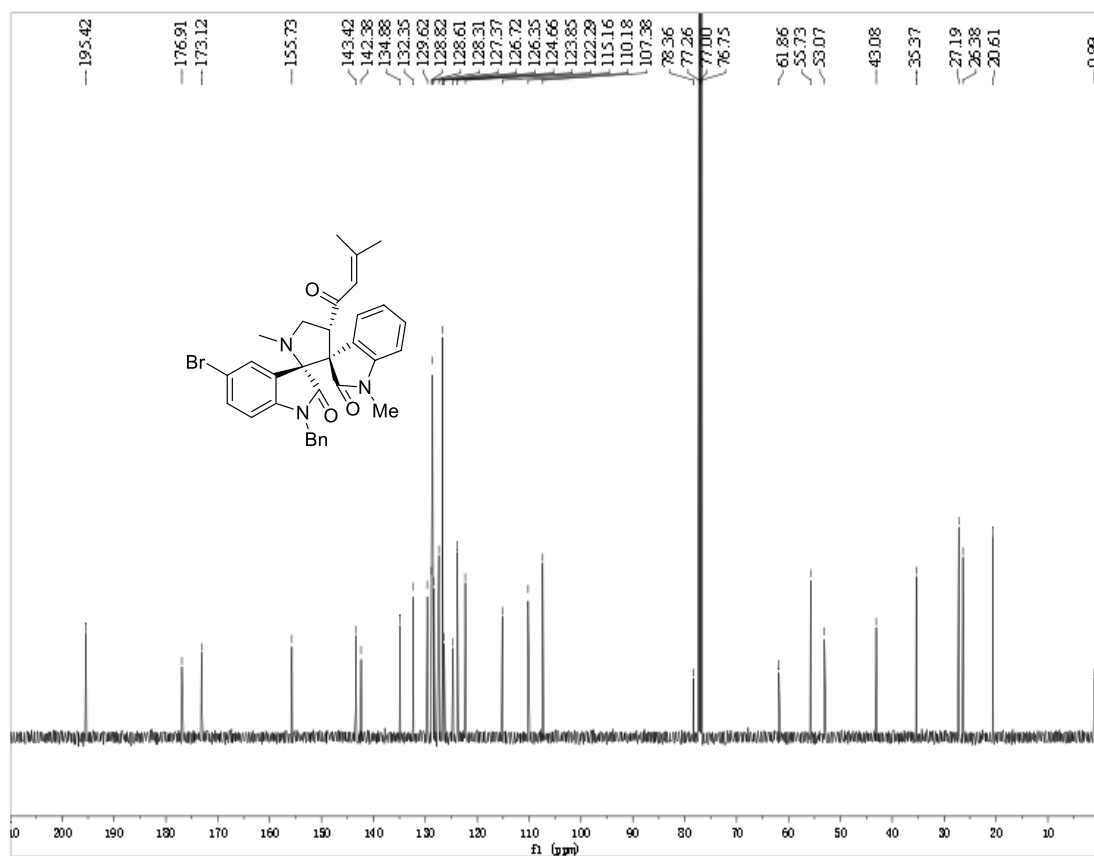
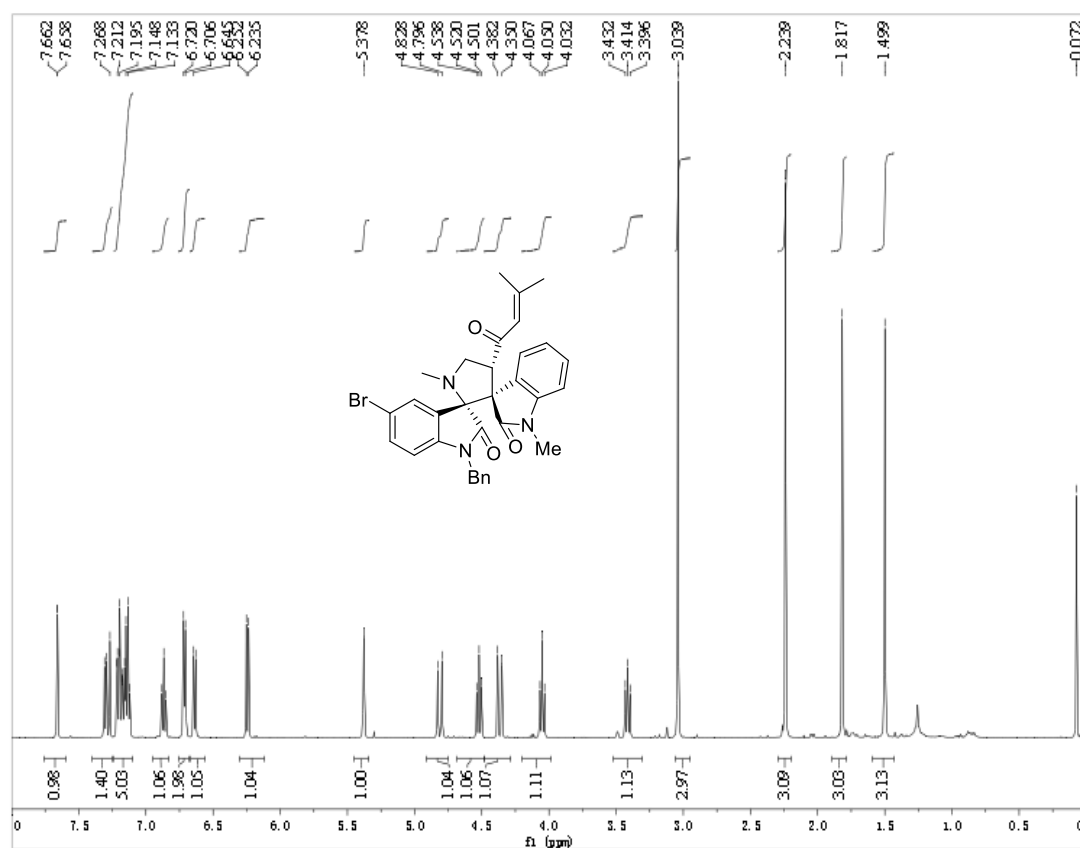
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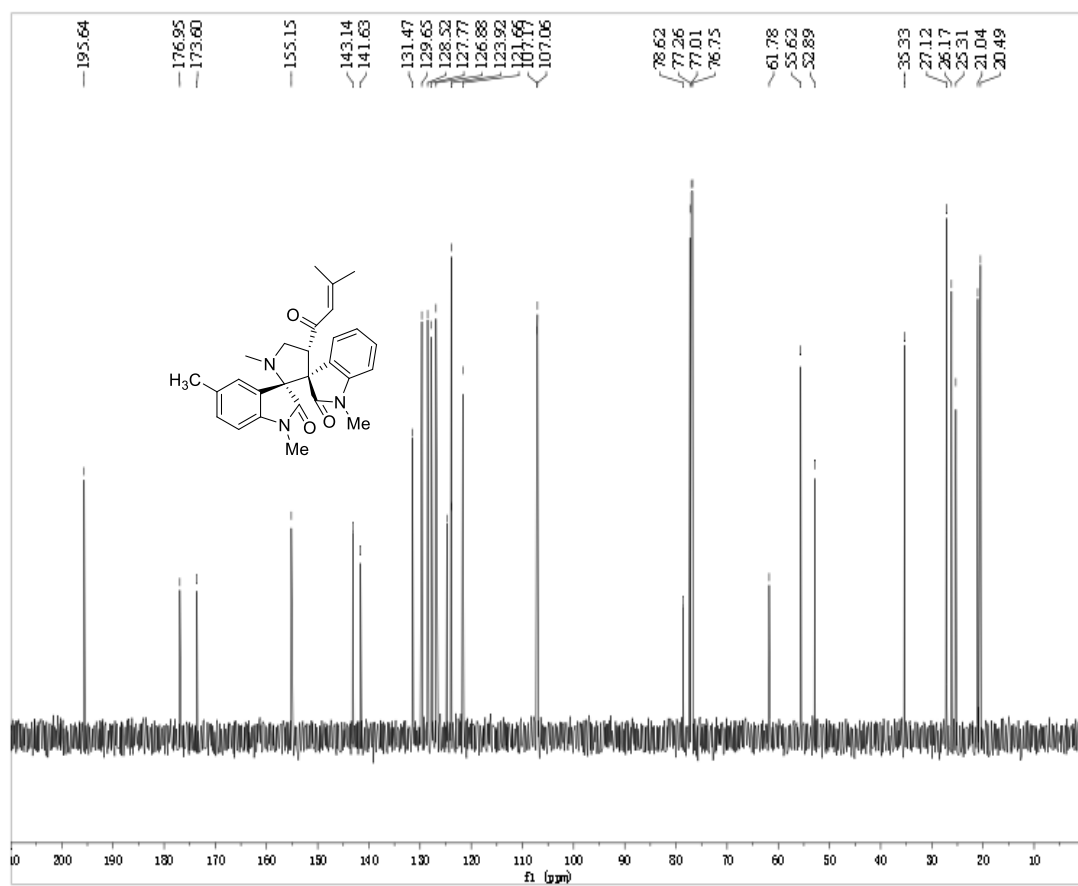
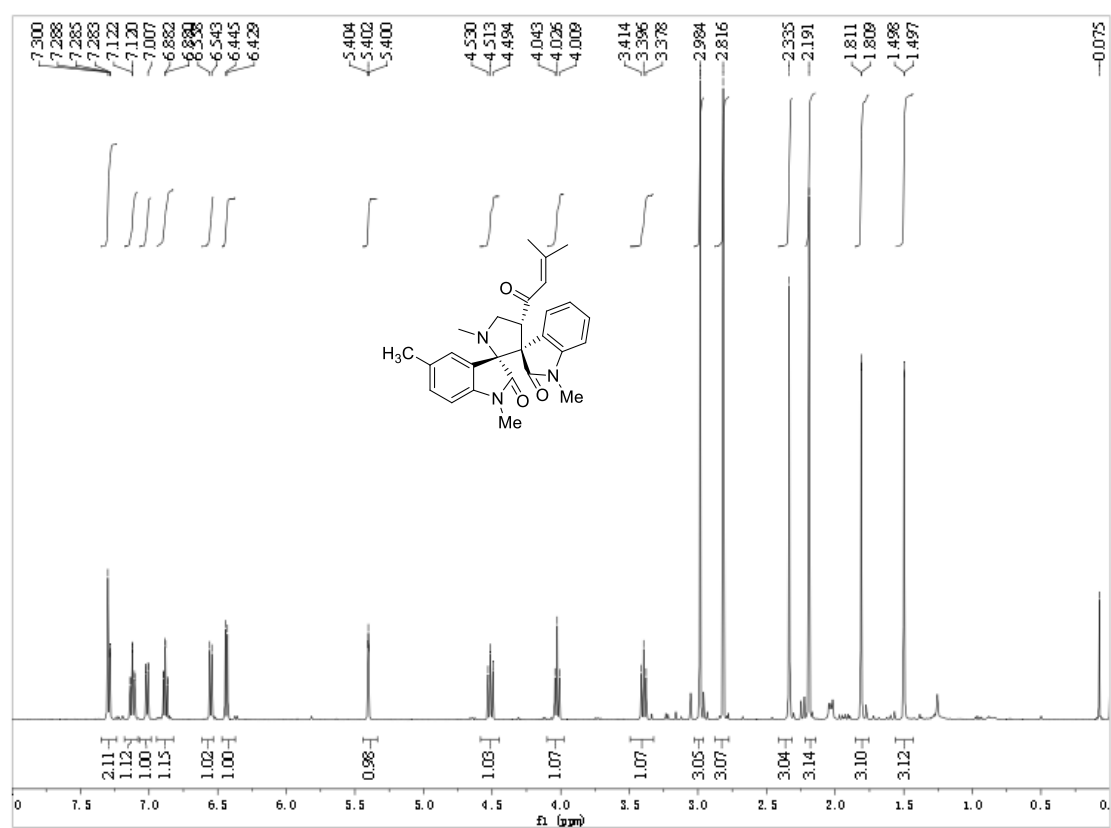
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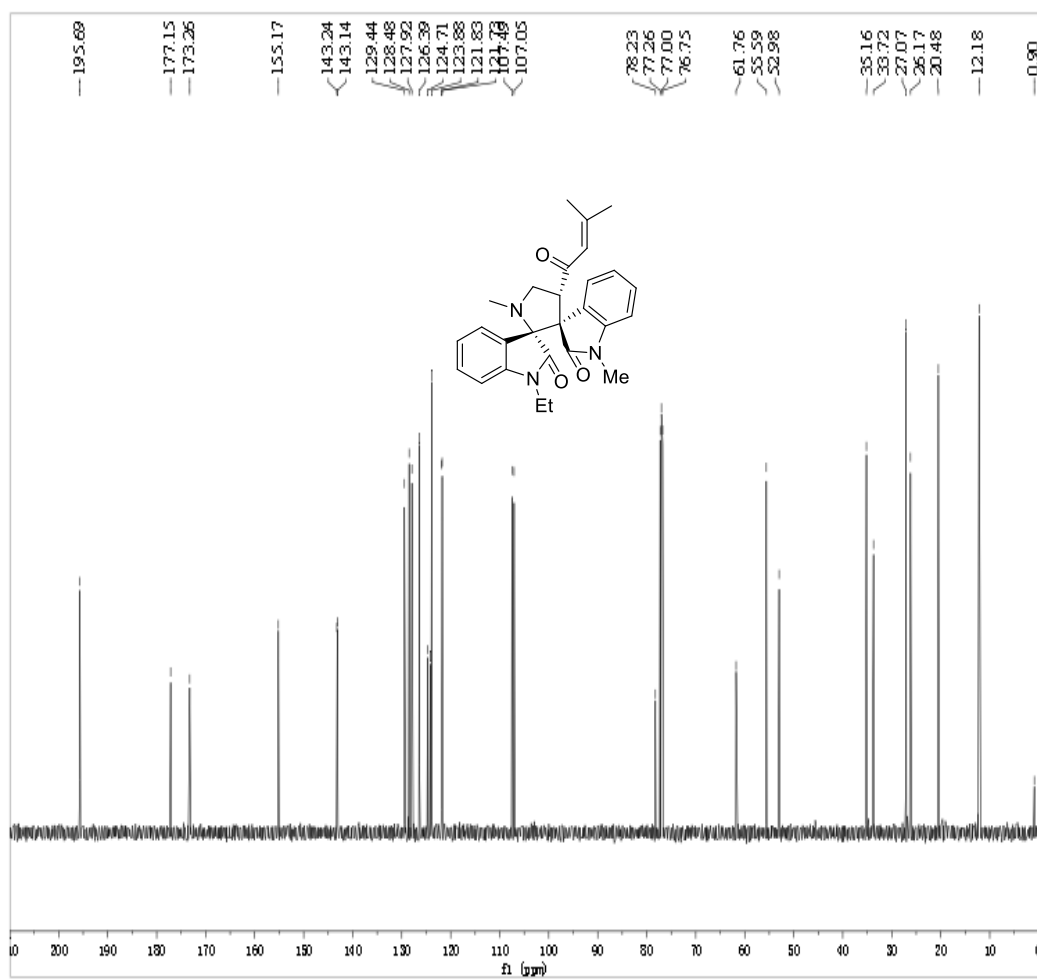
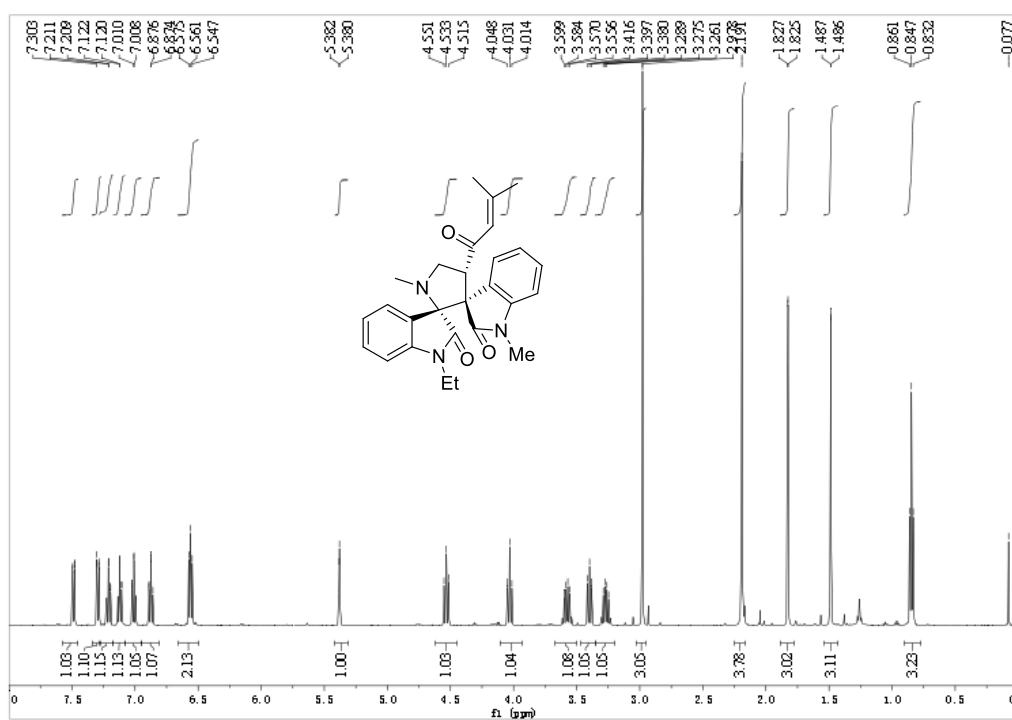
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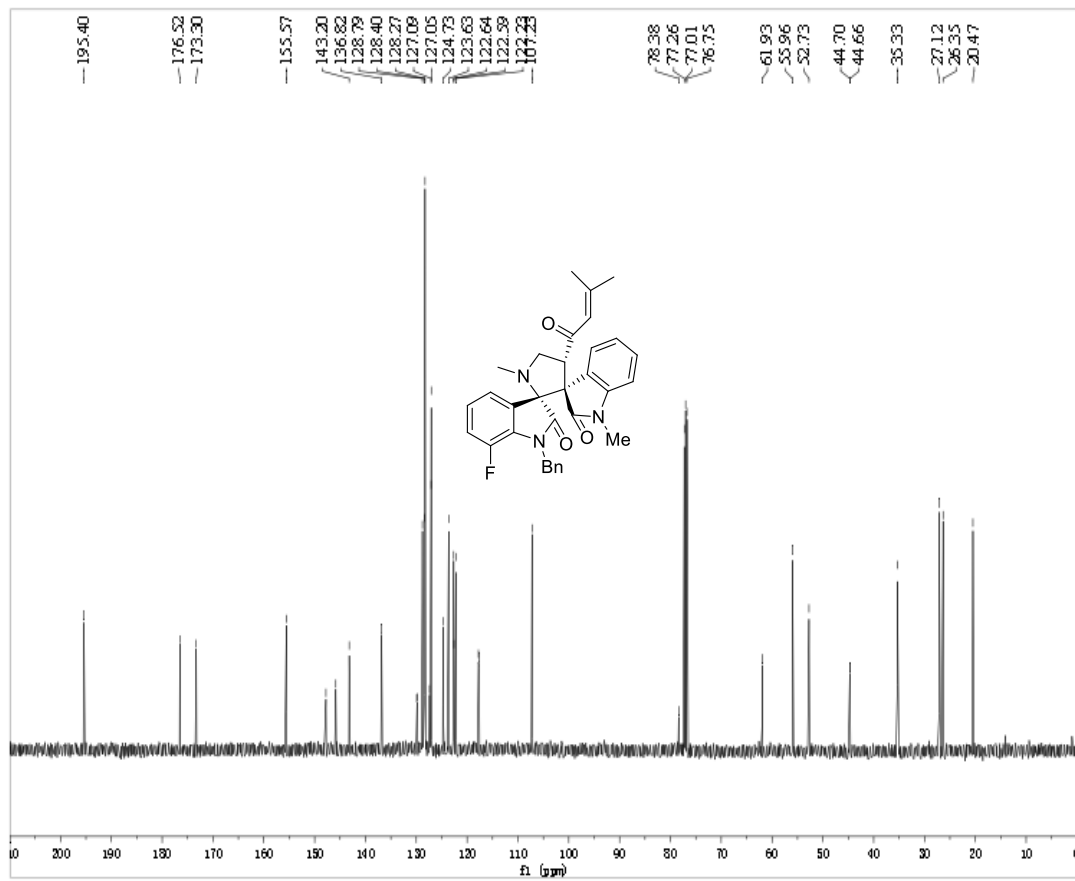
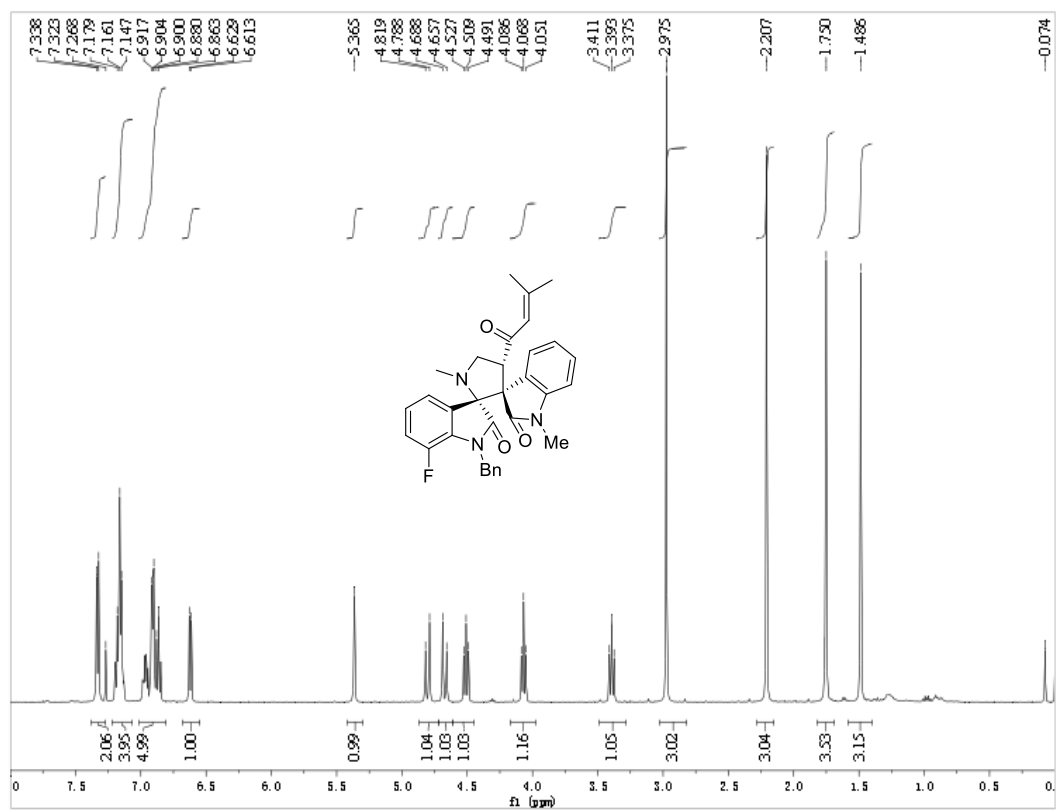
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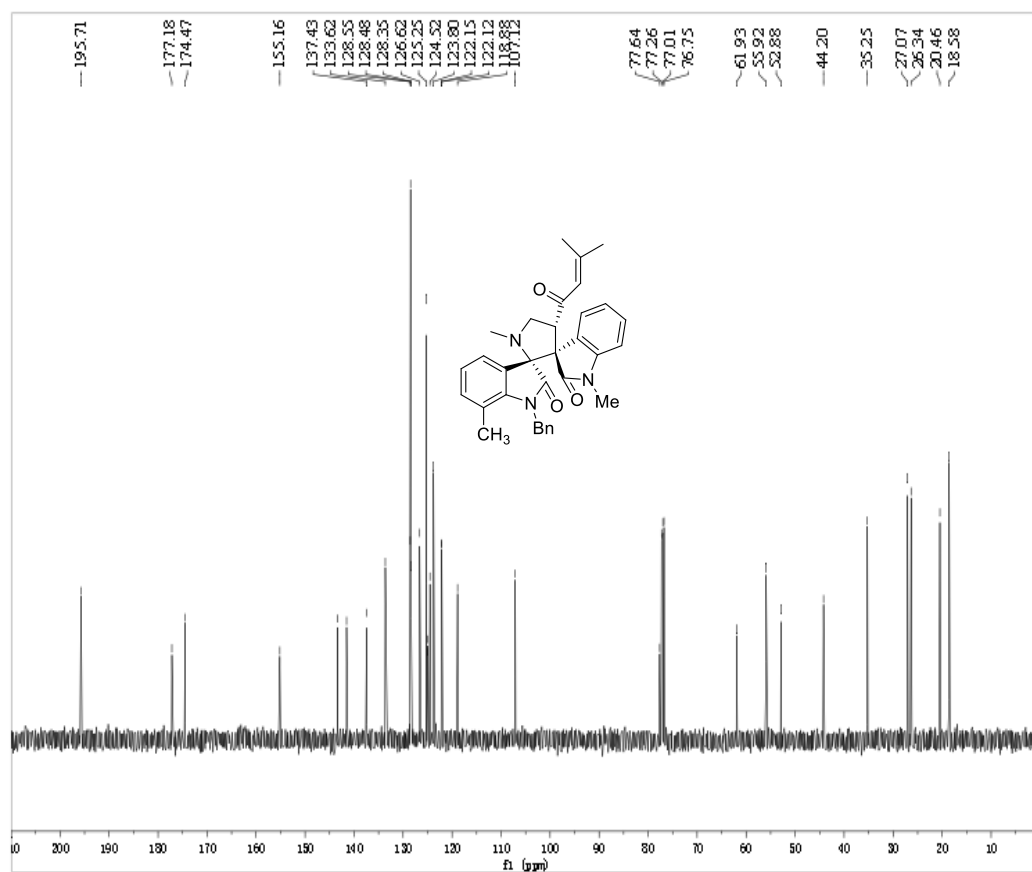
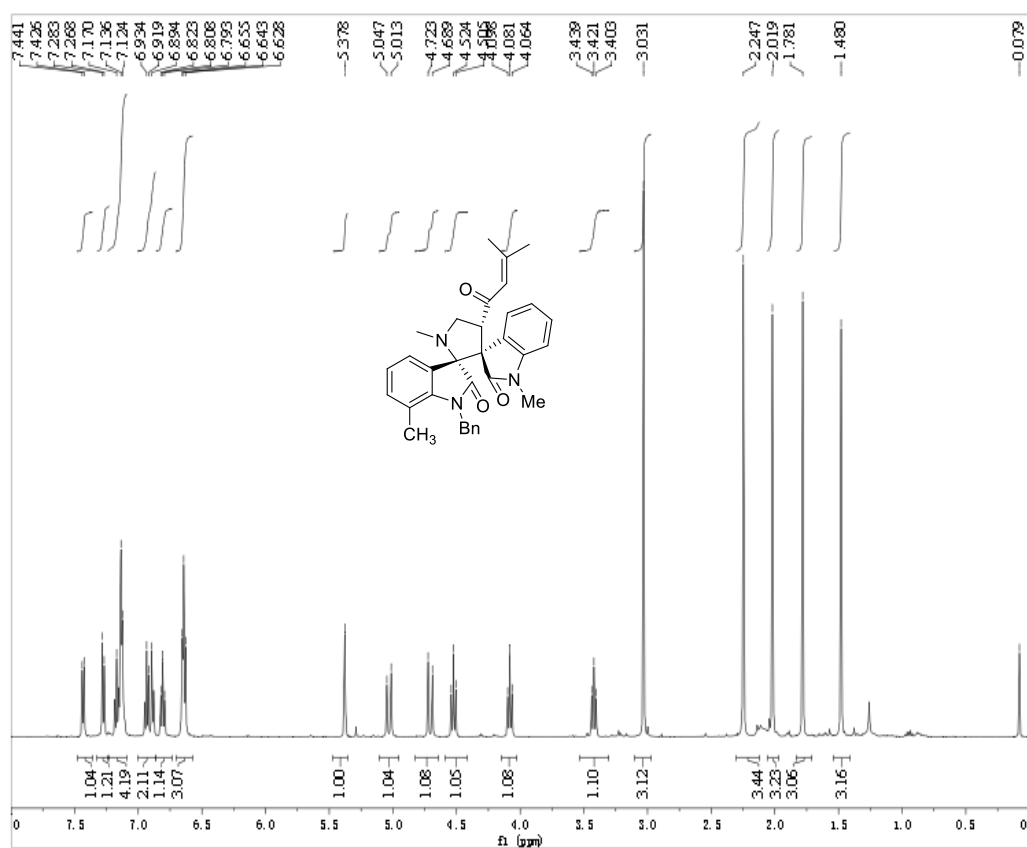
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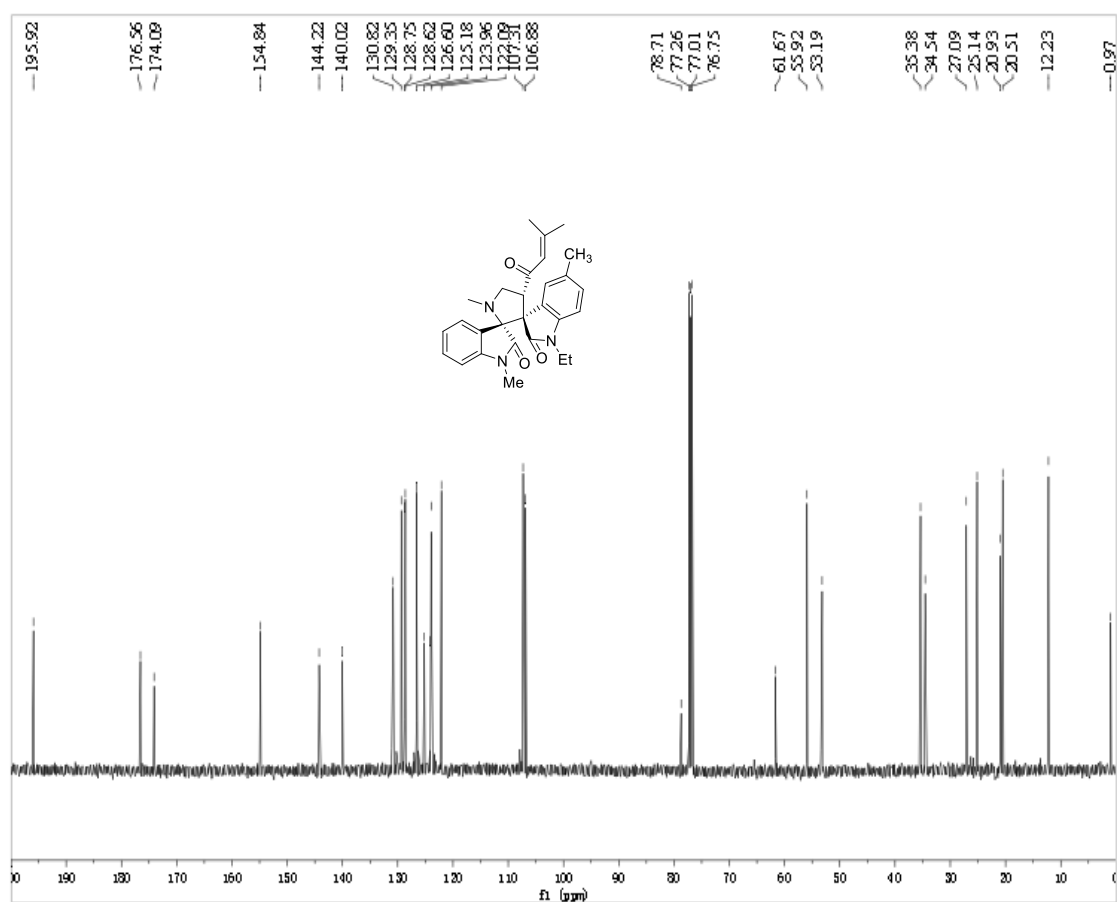
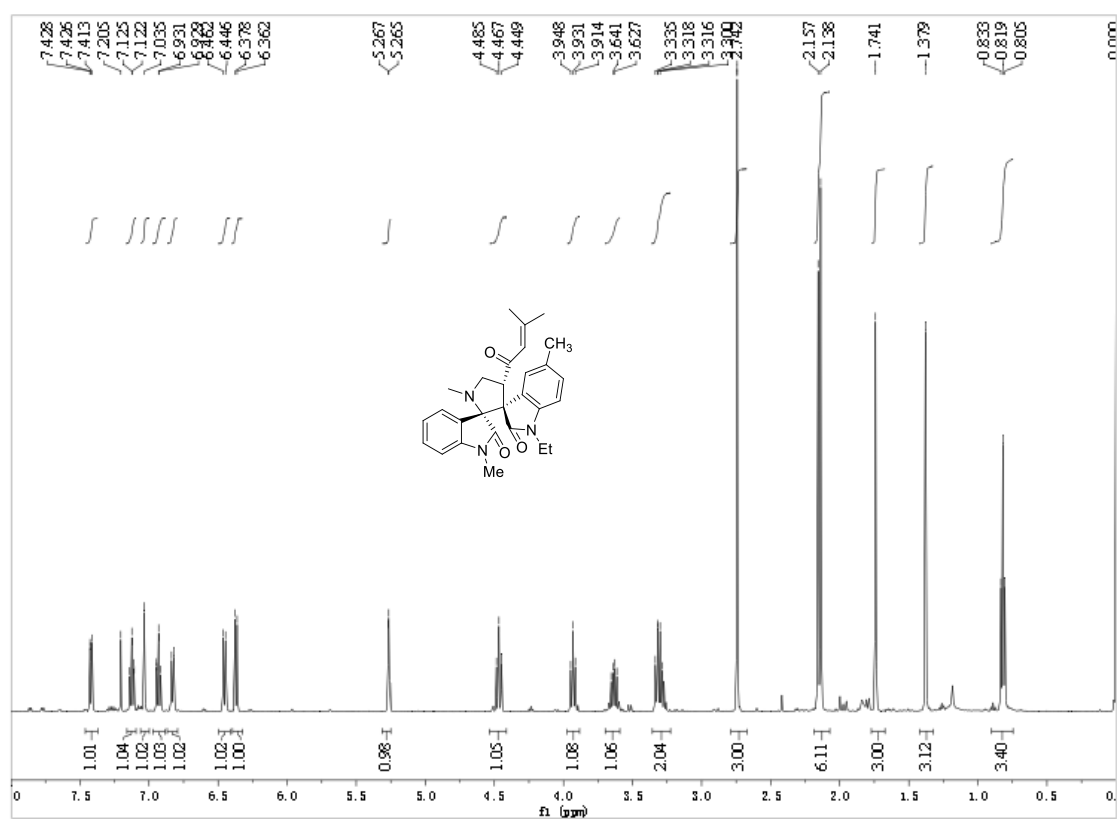
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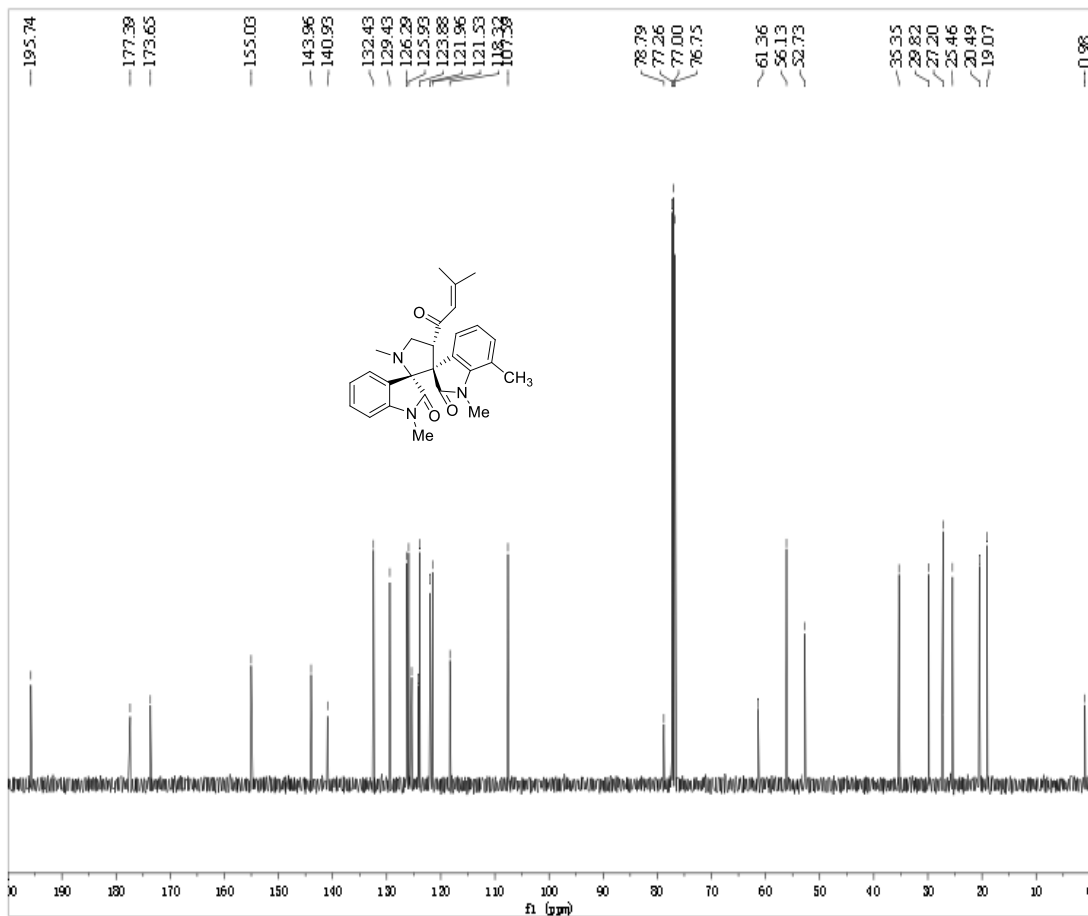
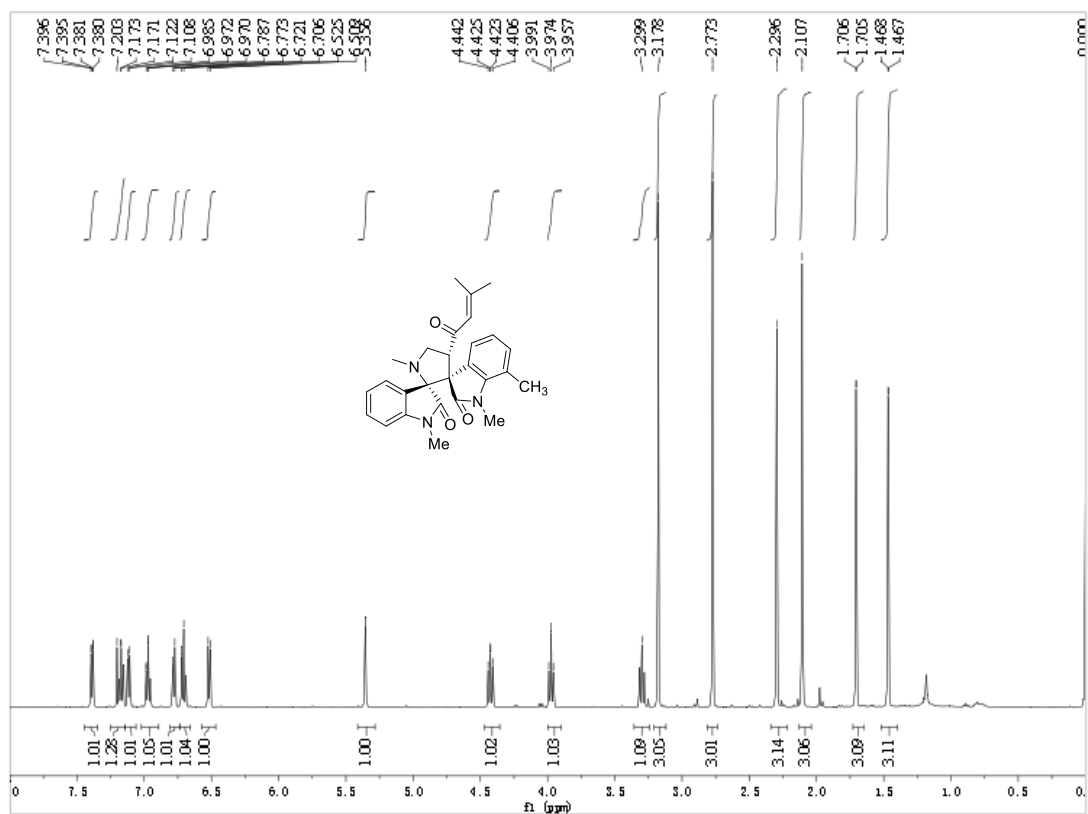
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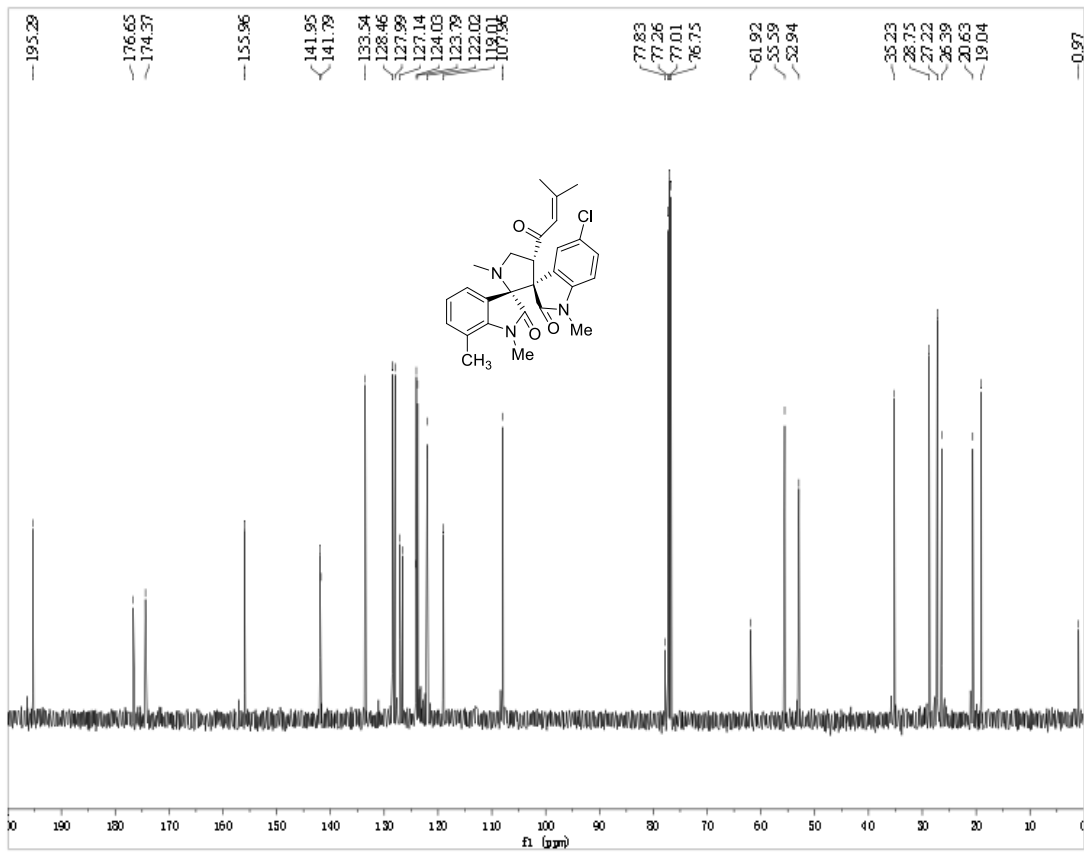
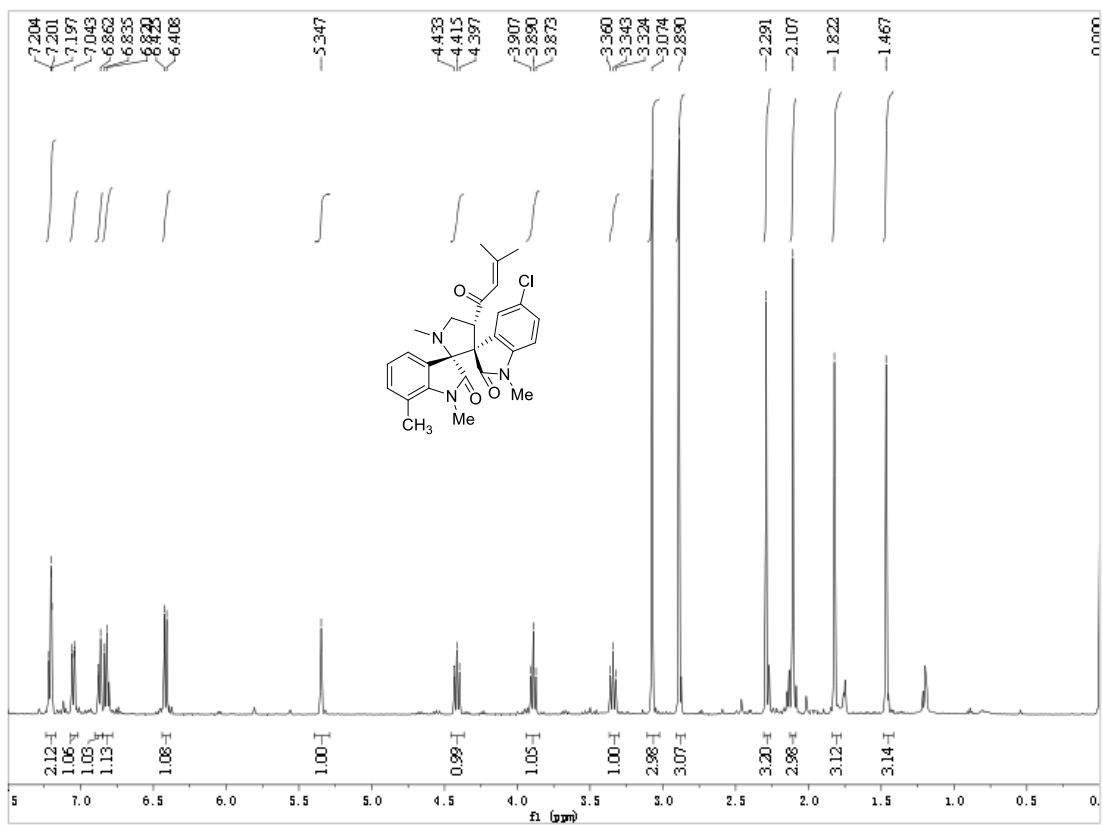
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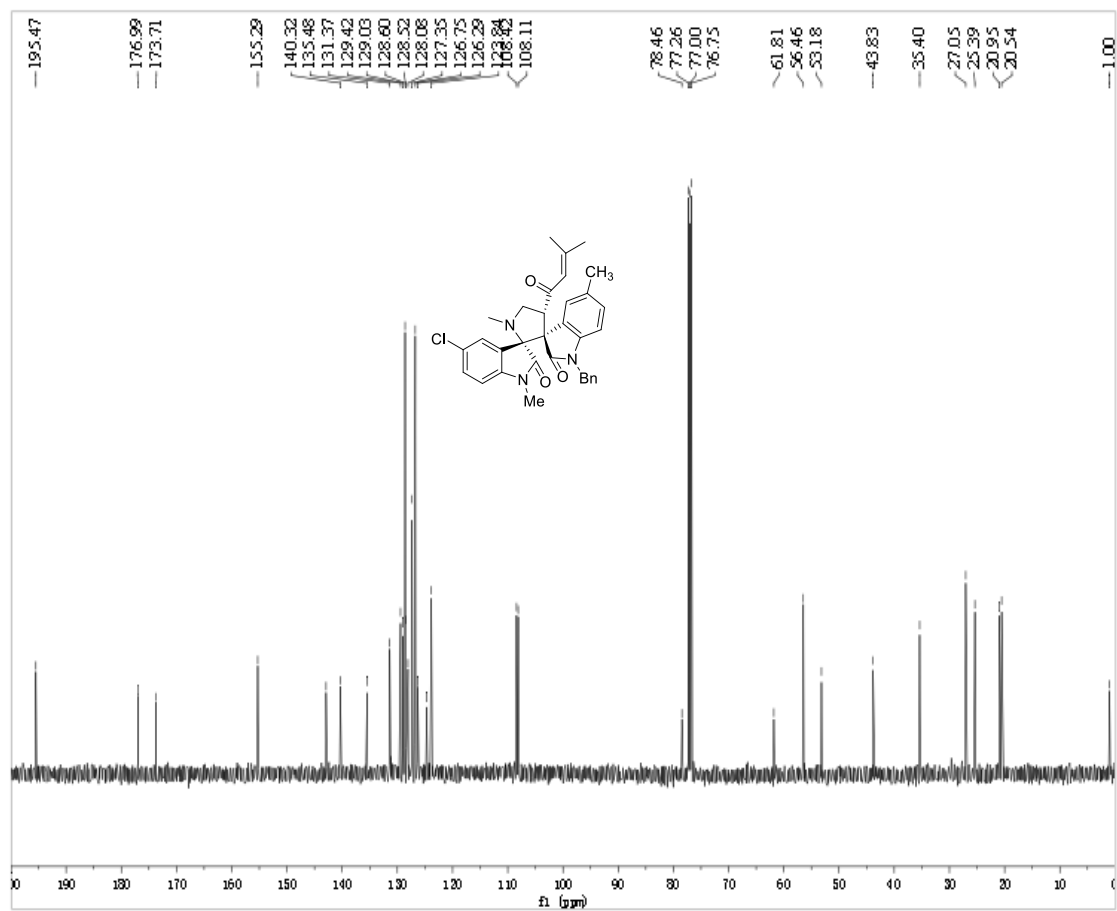
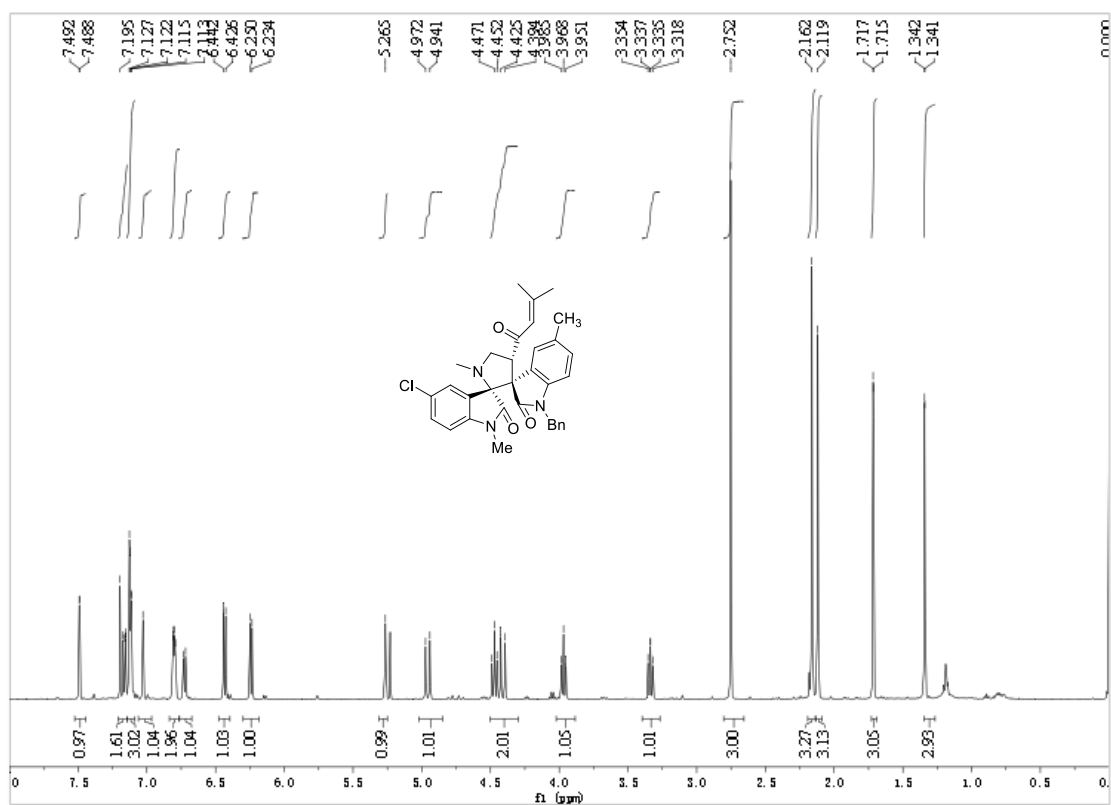
¹H and ¹³C NMR of 5aj



¹H and ¹³C NMR of 5dh



¹H and ¹³C NMR of 5nb



^1H and ^{13}C NMR of 5oc

