

Three Component, General and Practical Route for Diastereoselective Synthesis of Aza-Spirocyclic Pyrazolones via Decarboxylative Annulation Process

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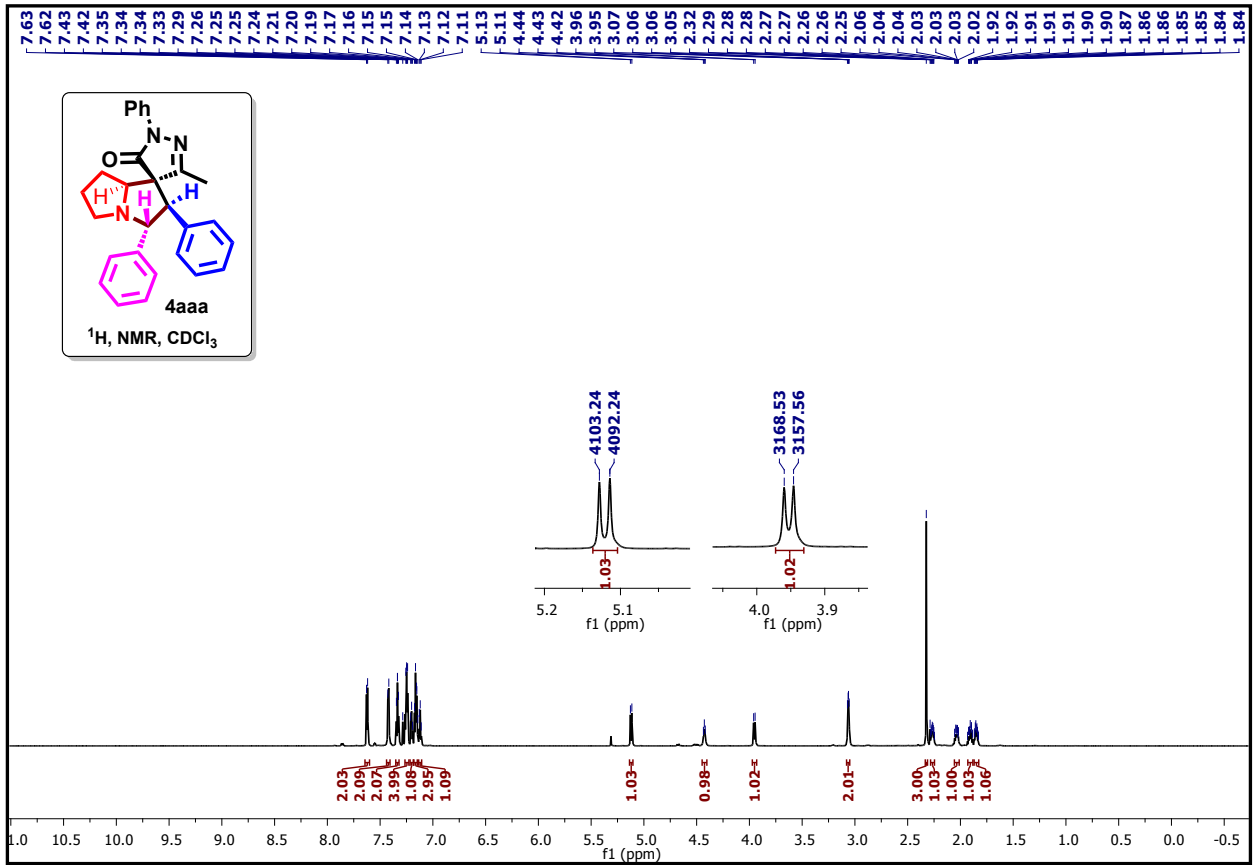
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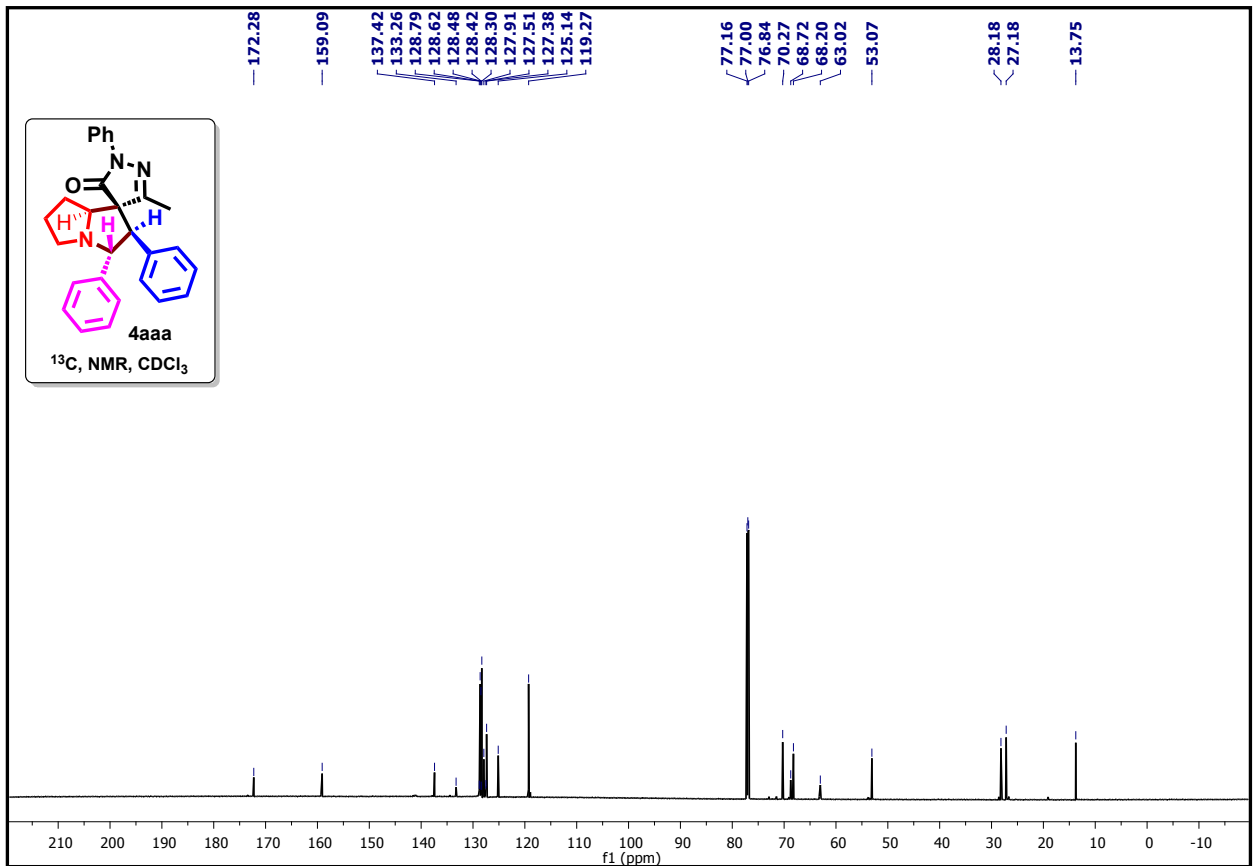
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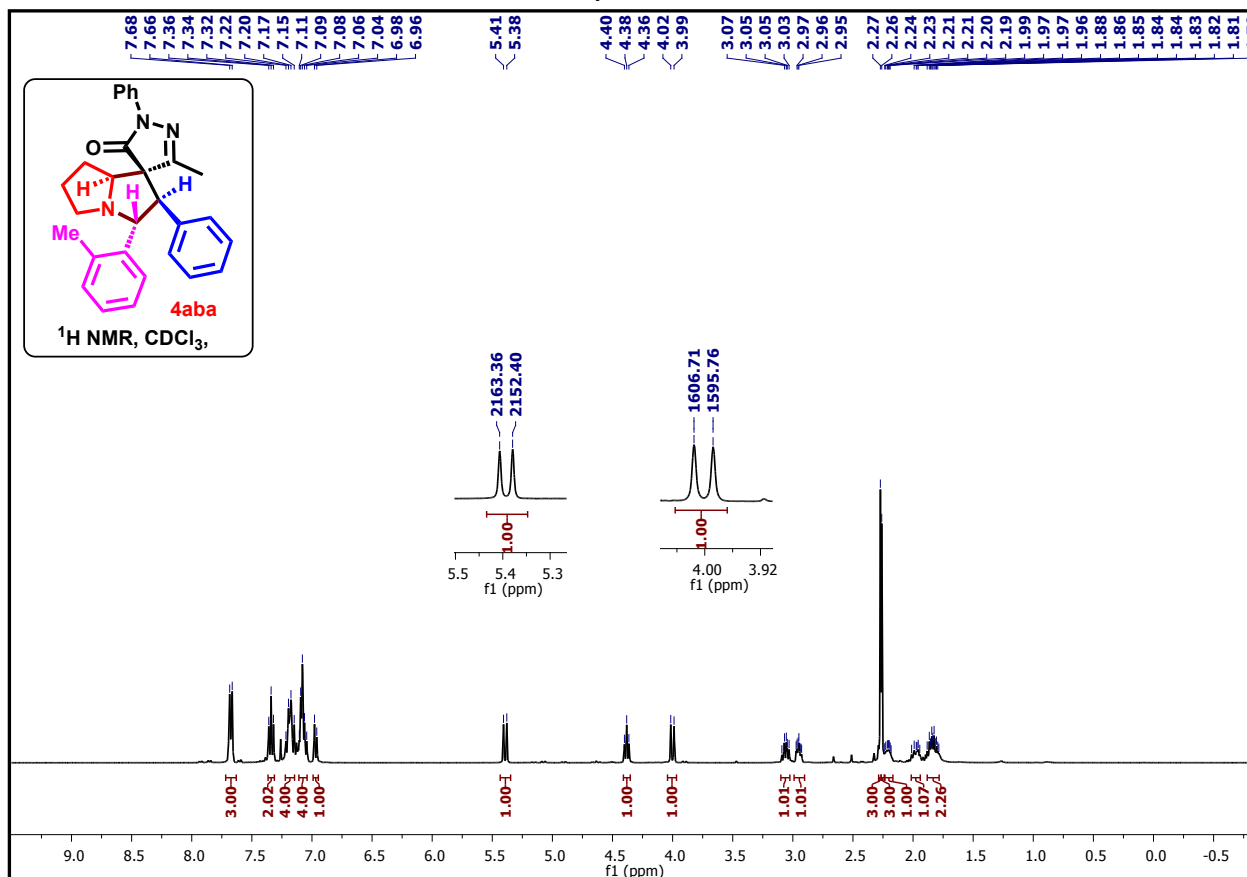
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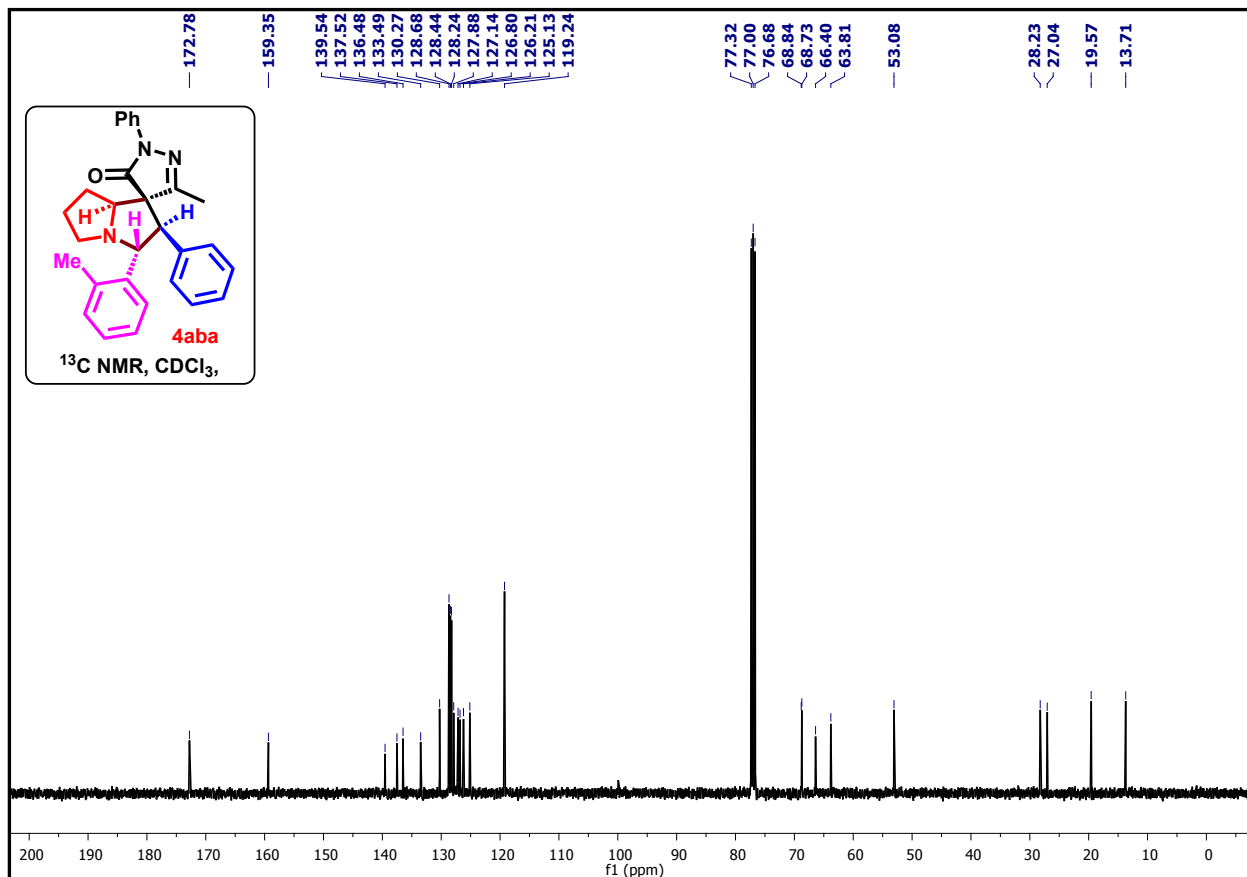
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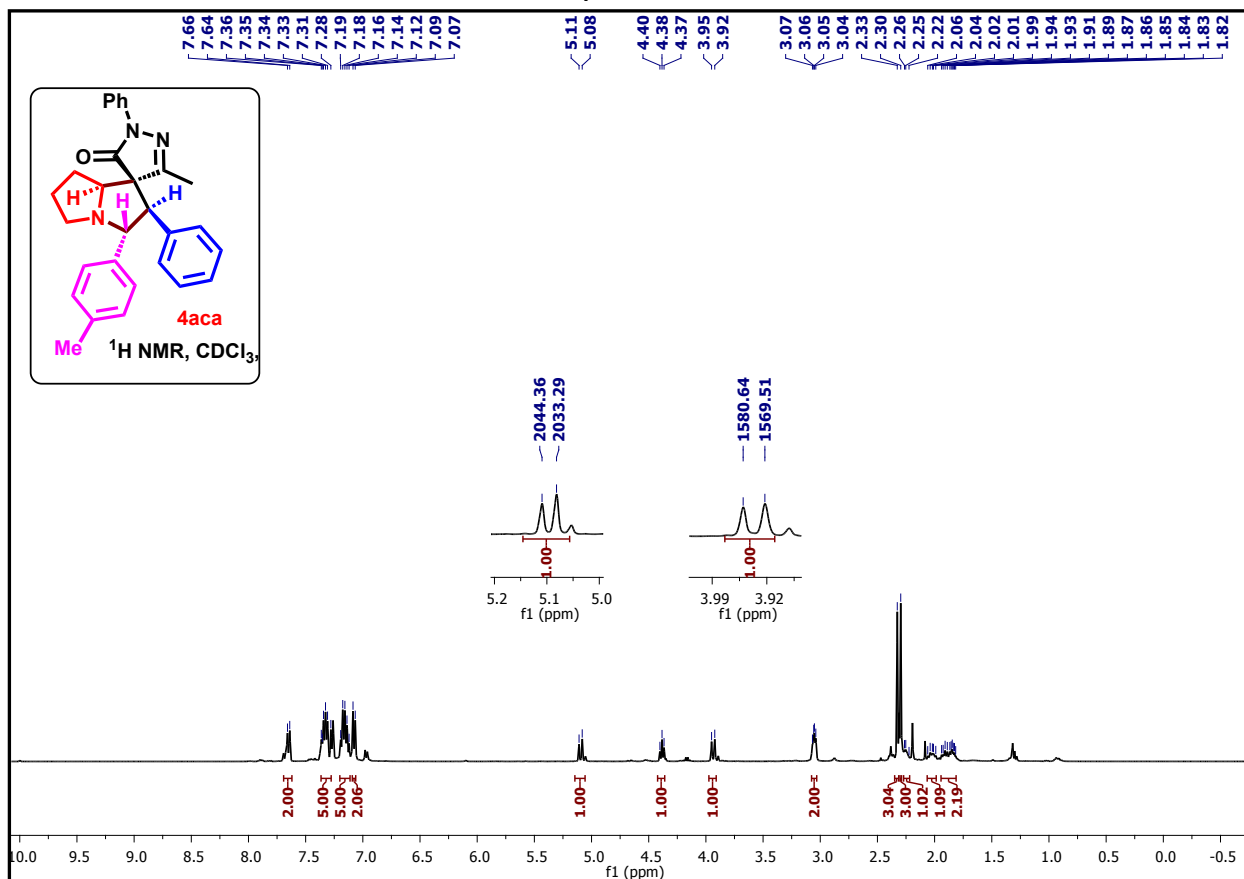
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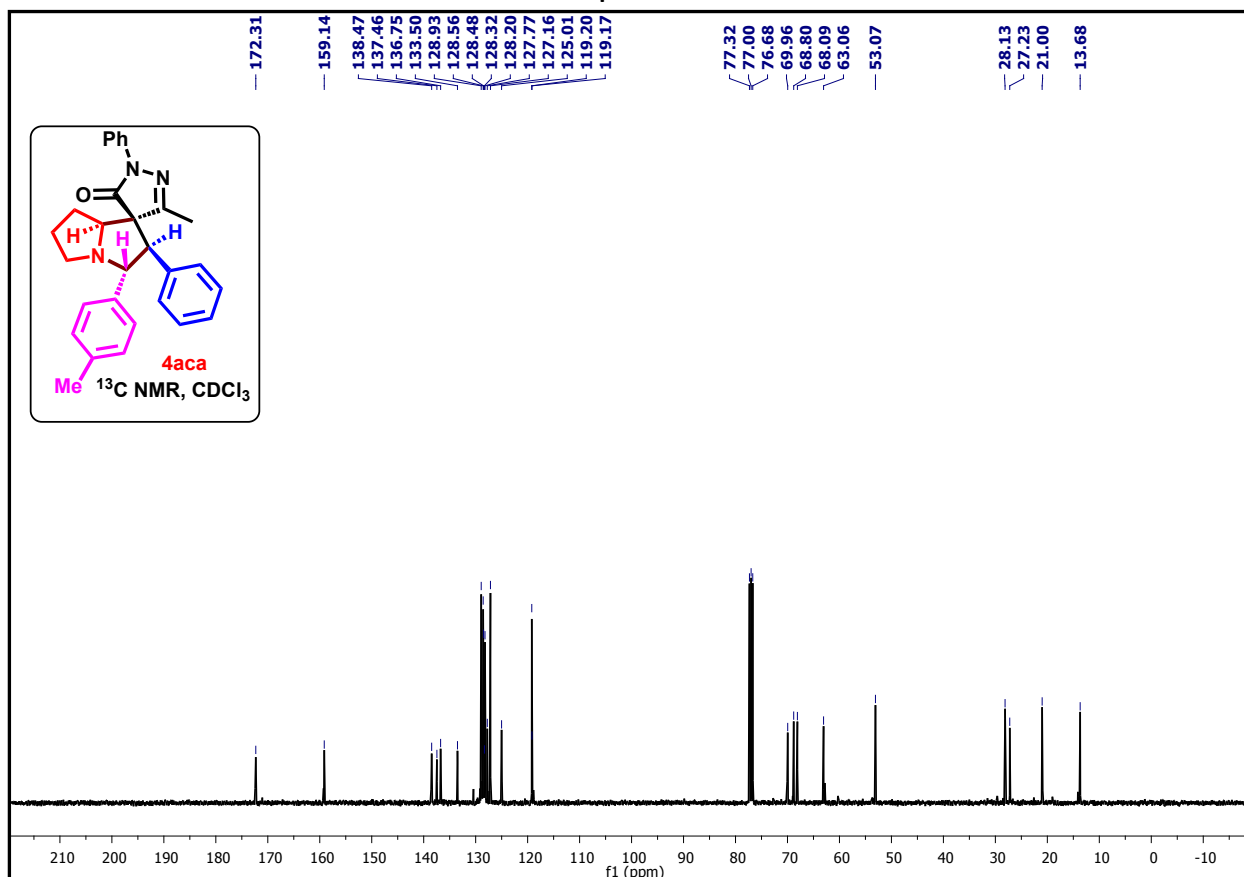
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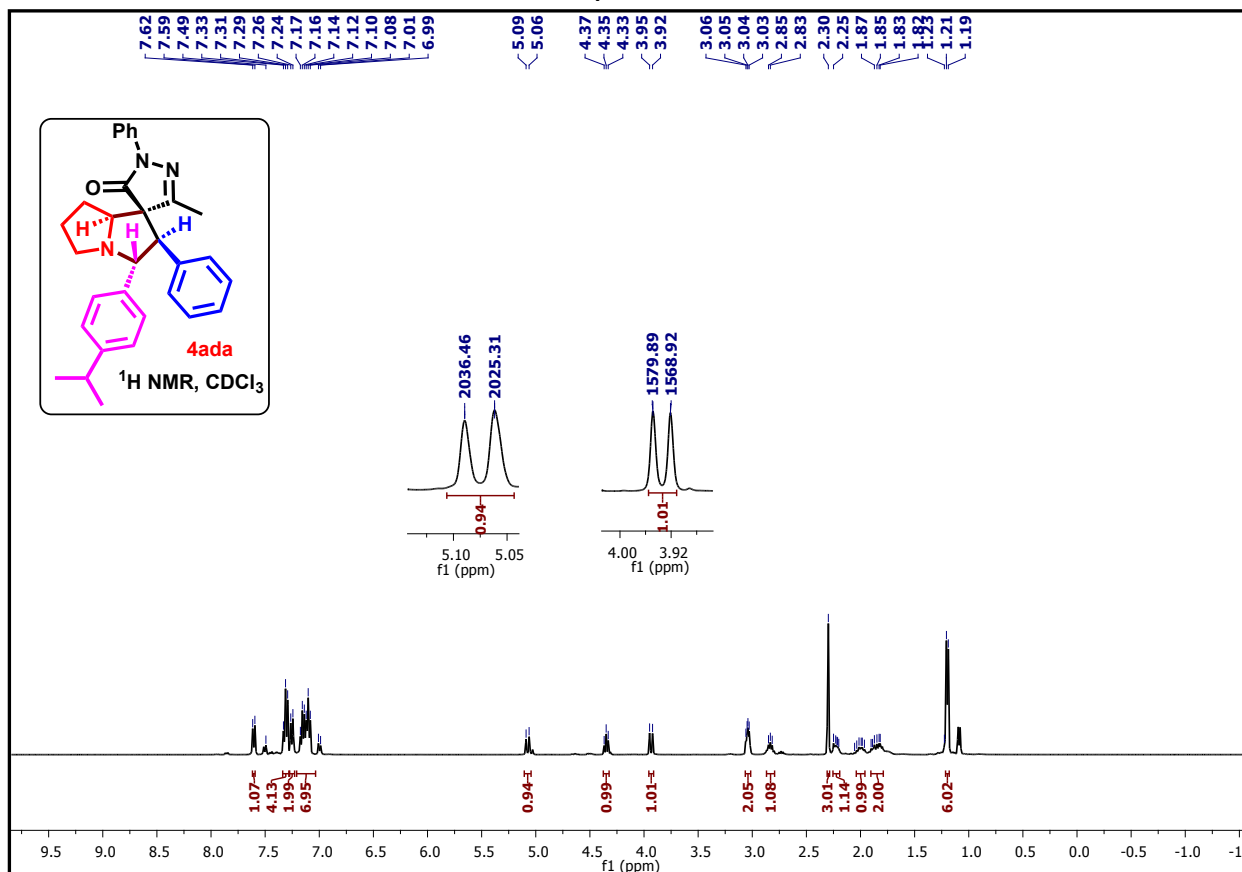
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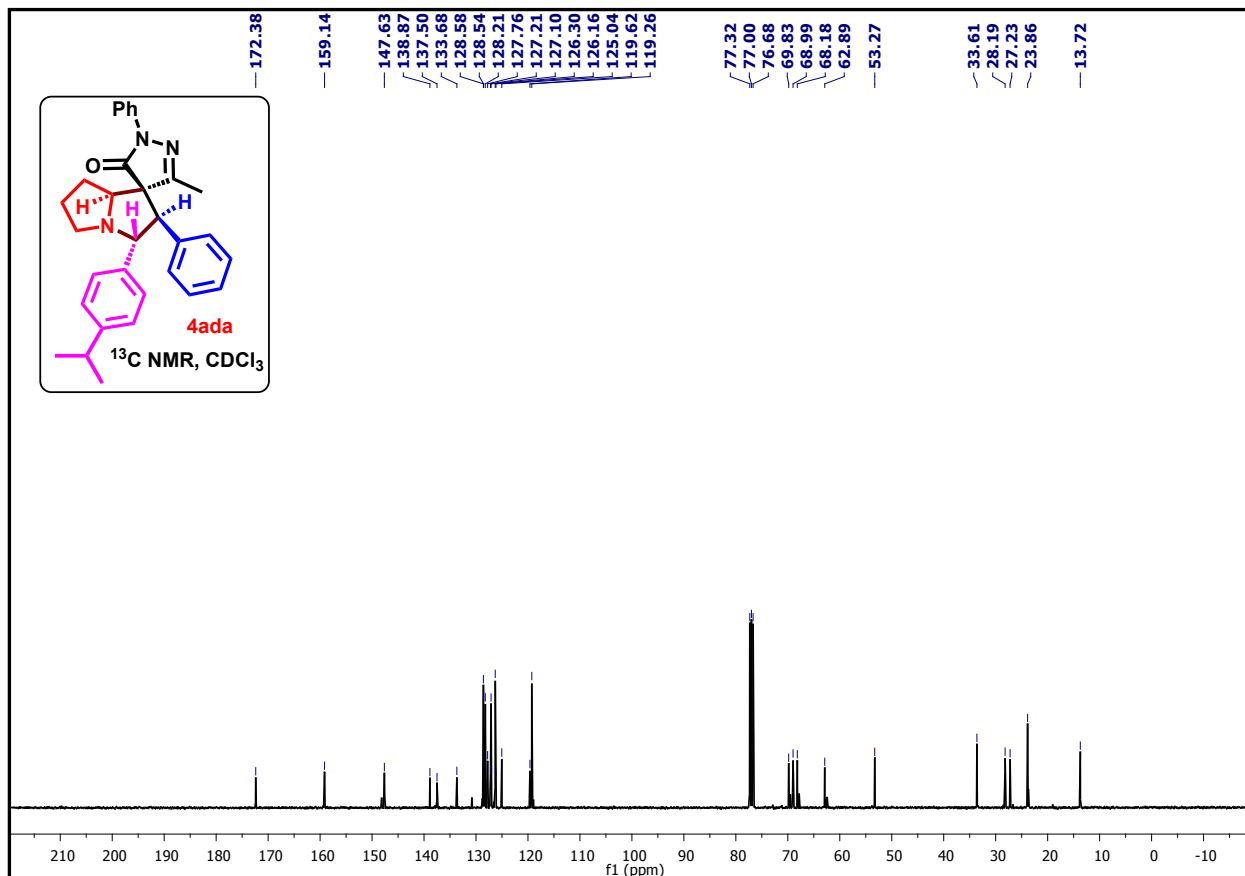
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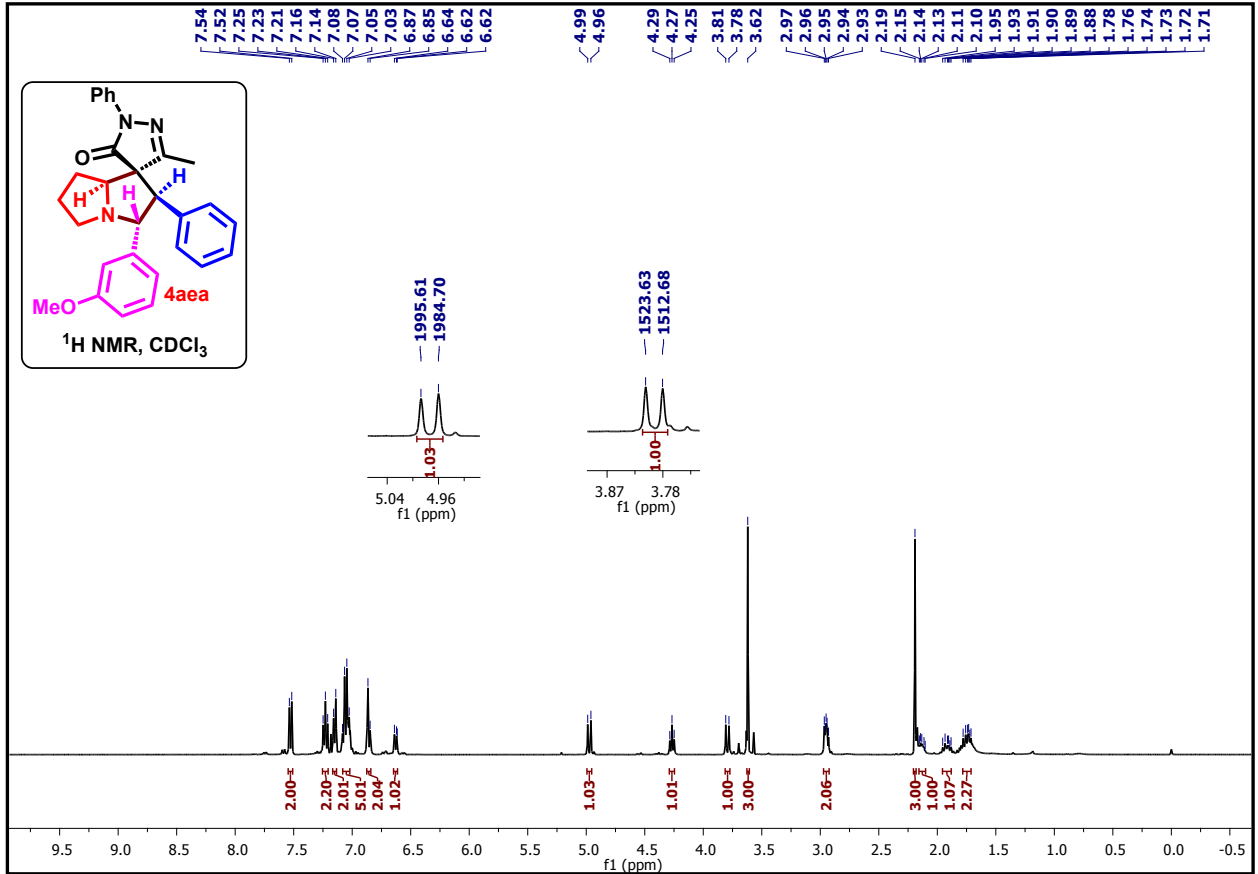
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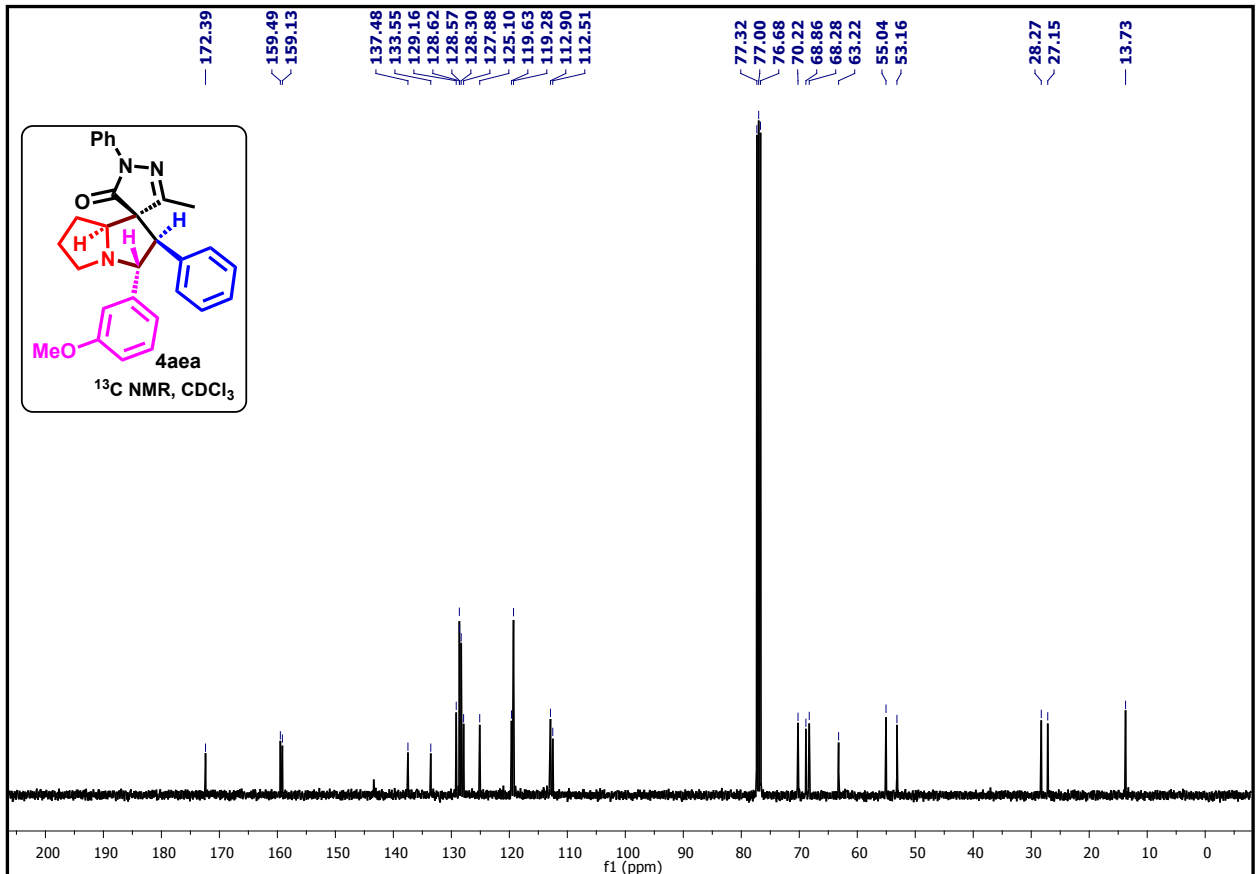
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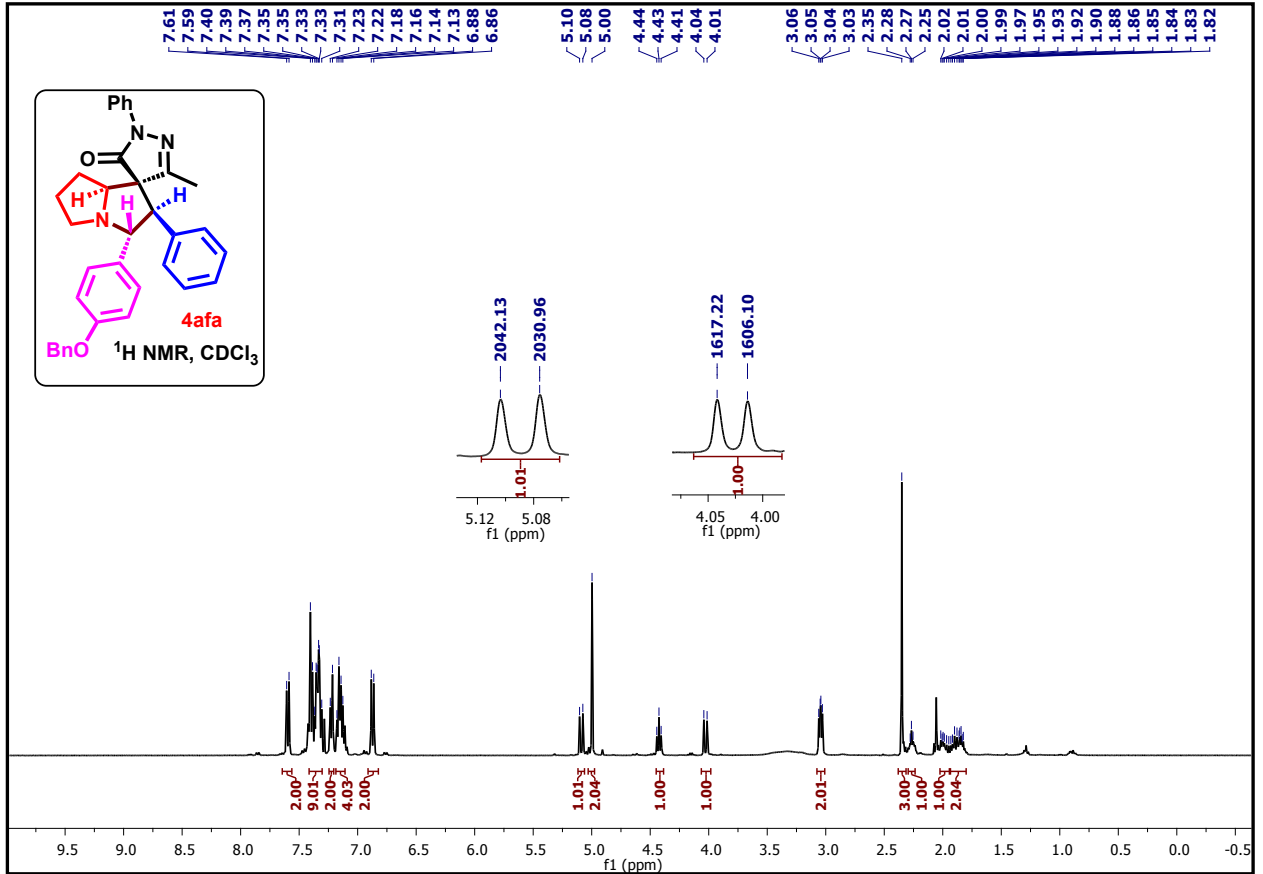
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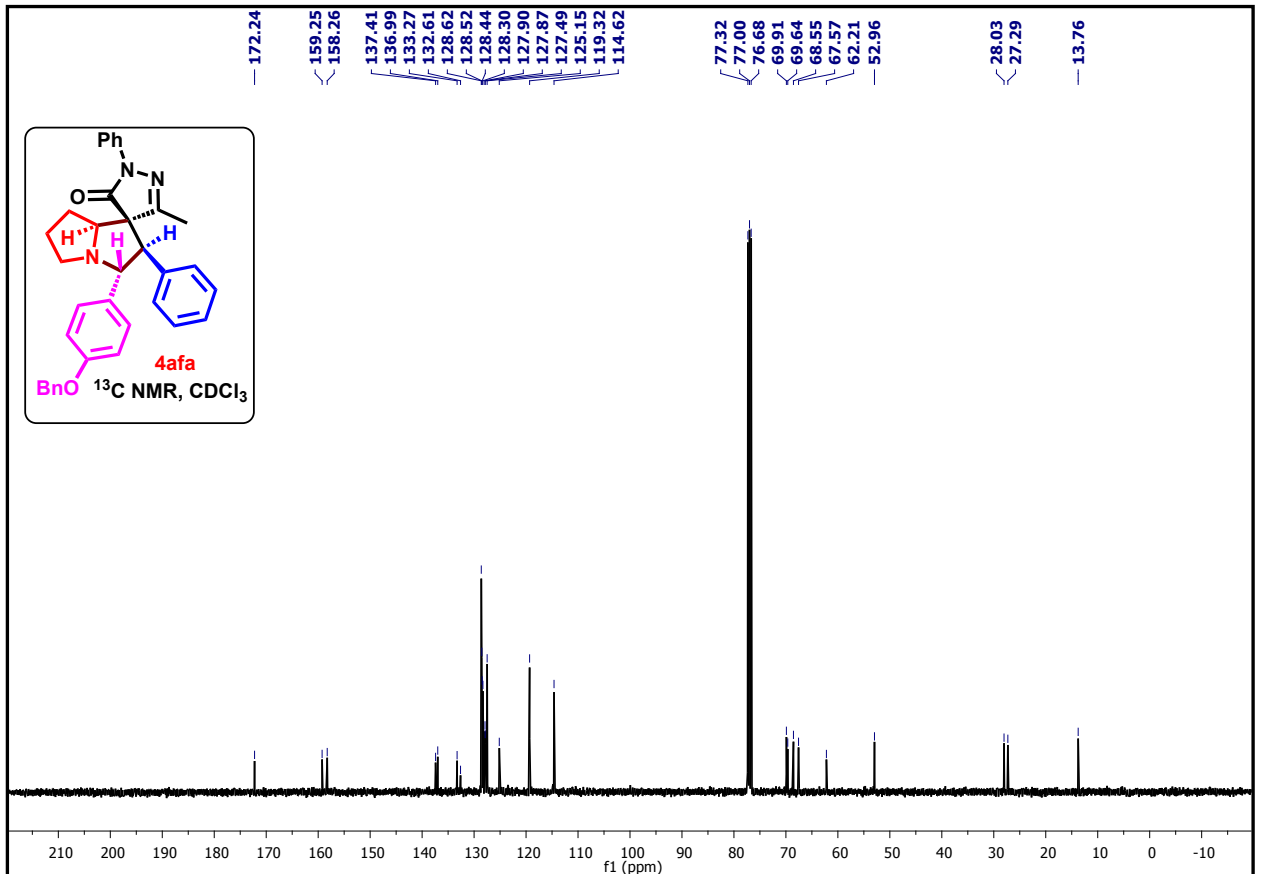
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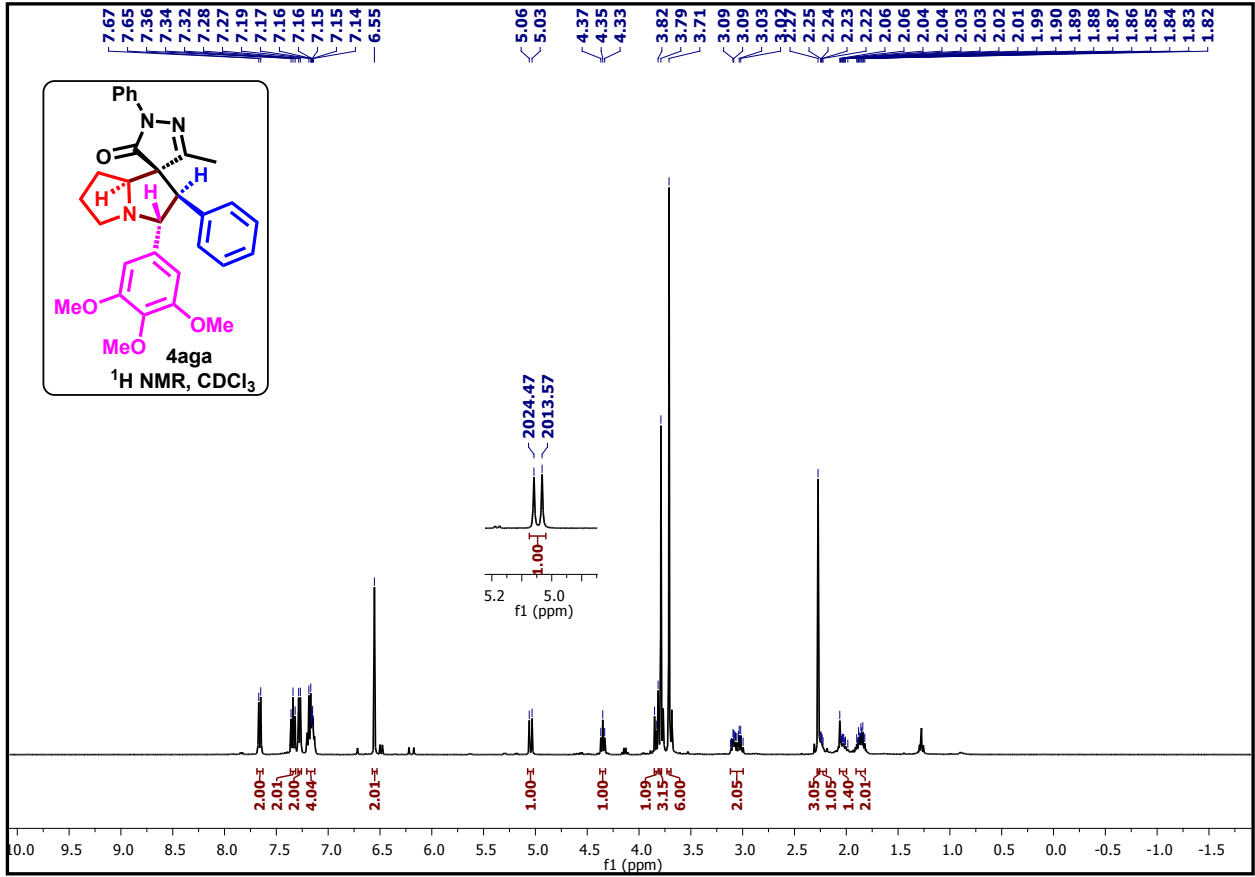
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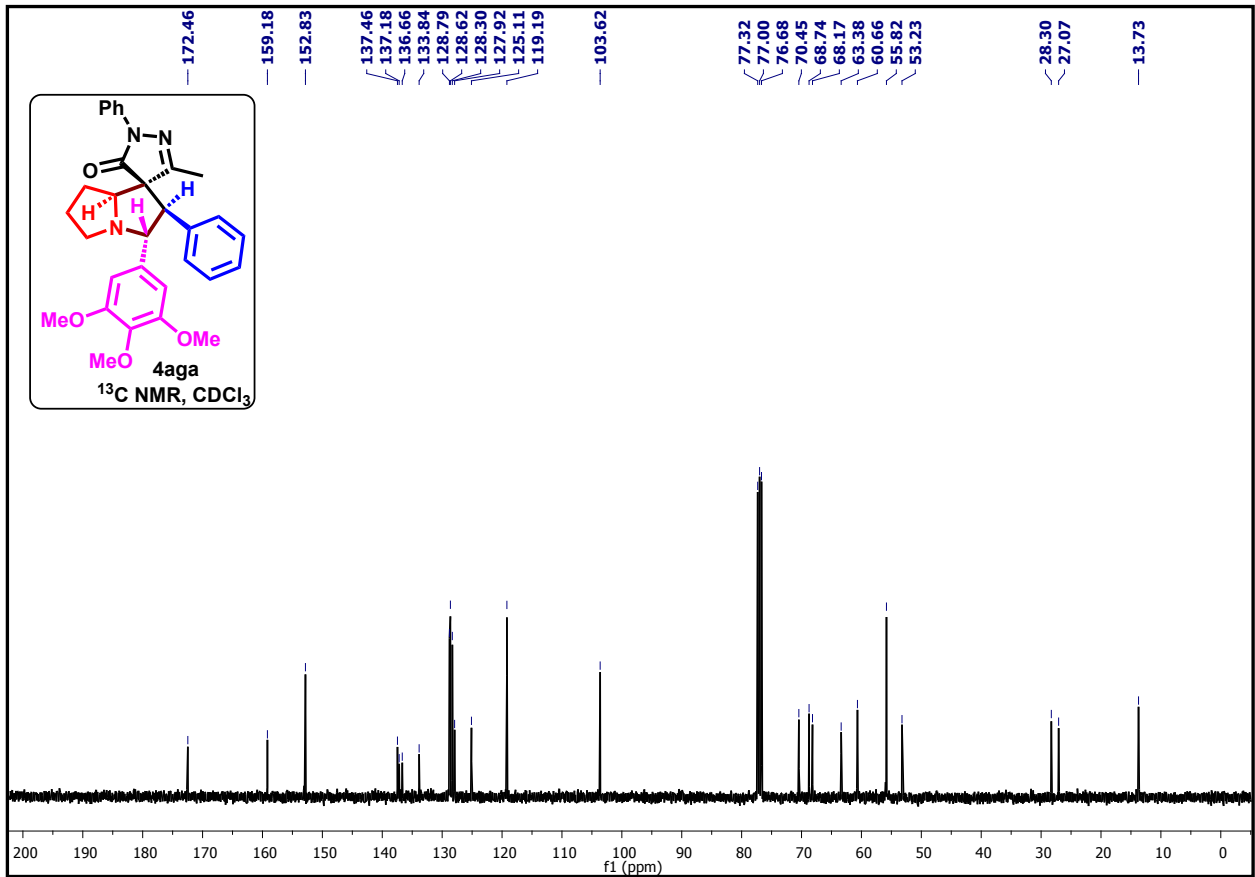
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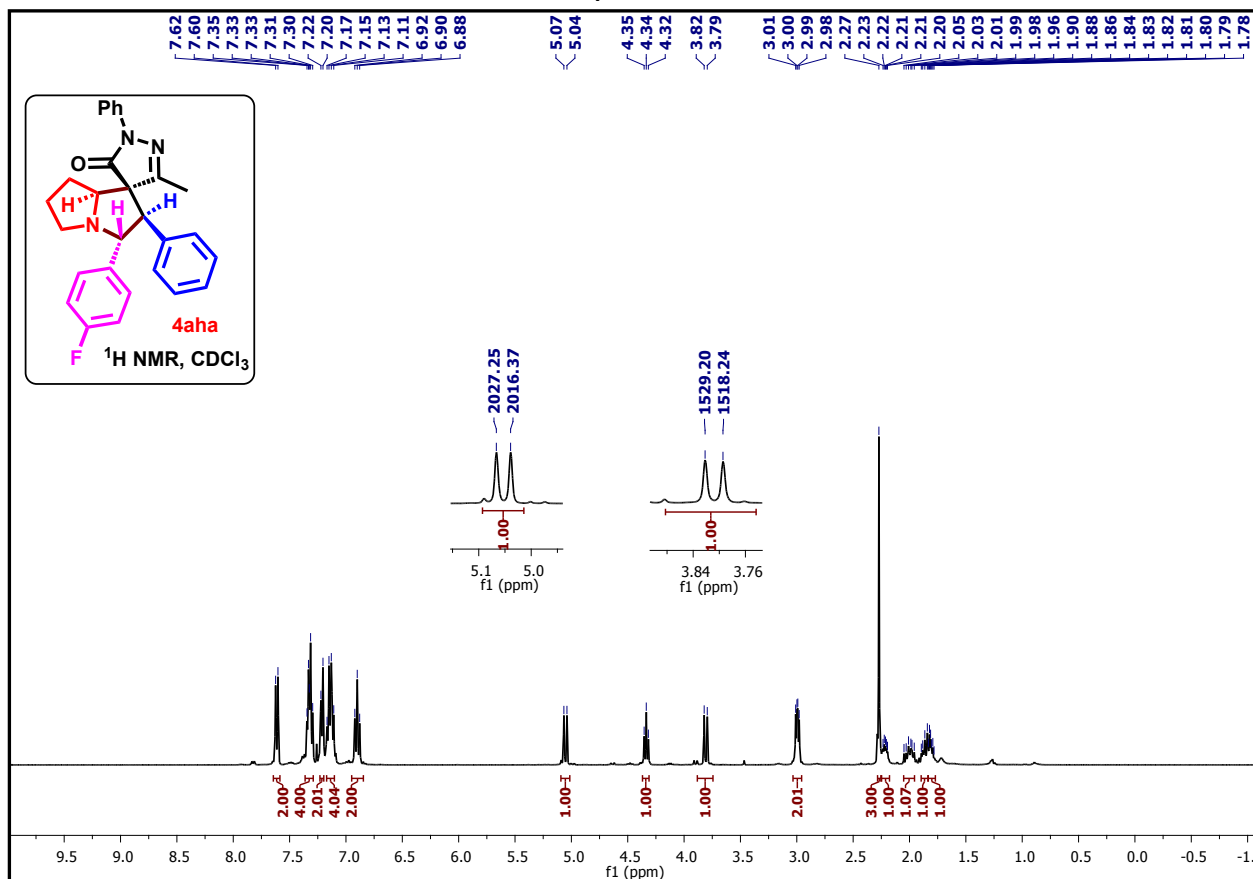
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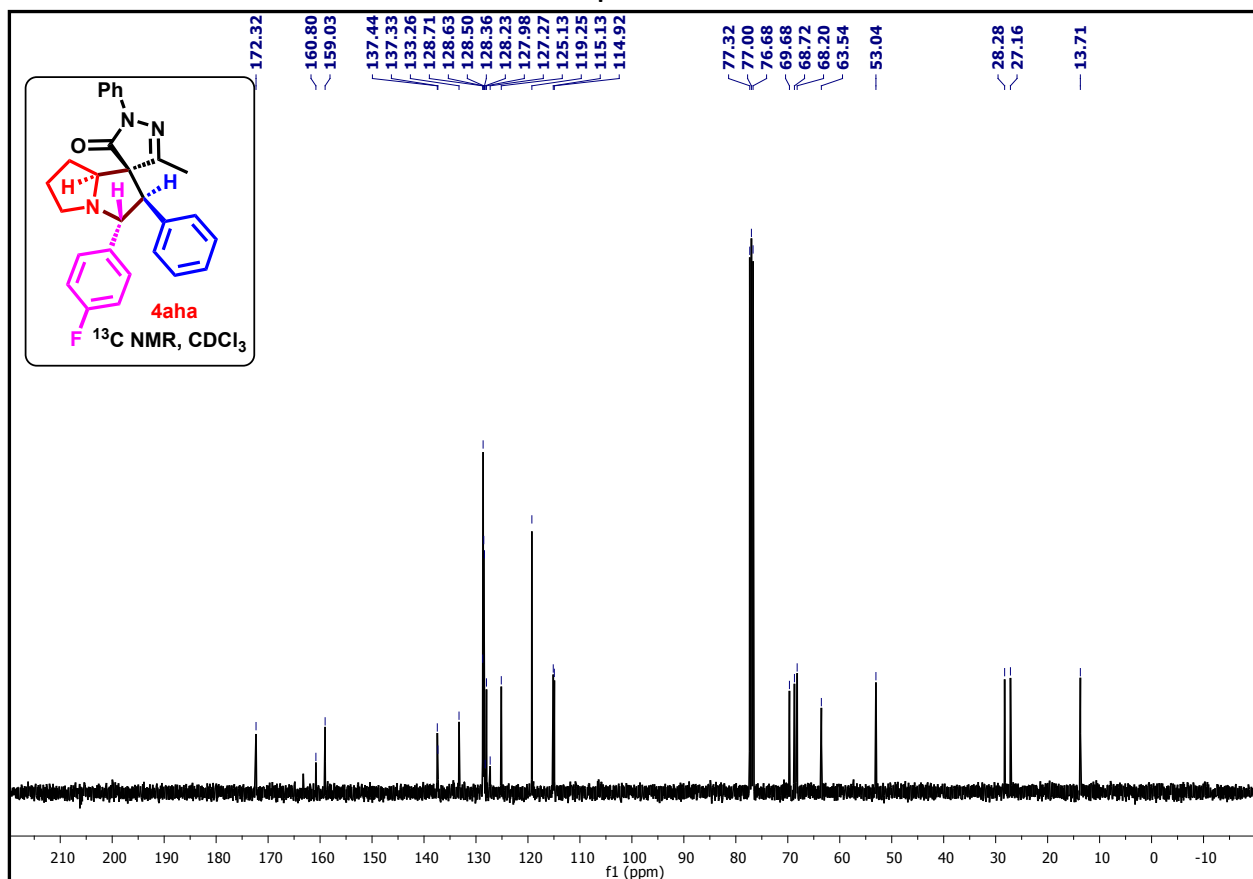
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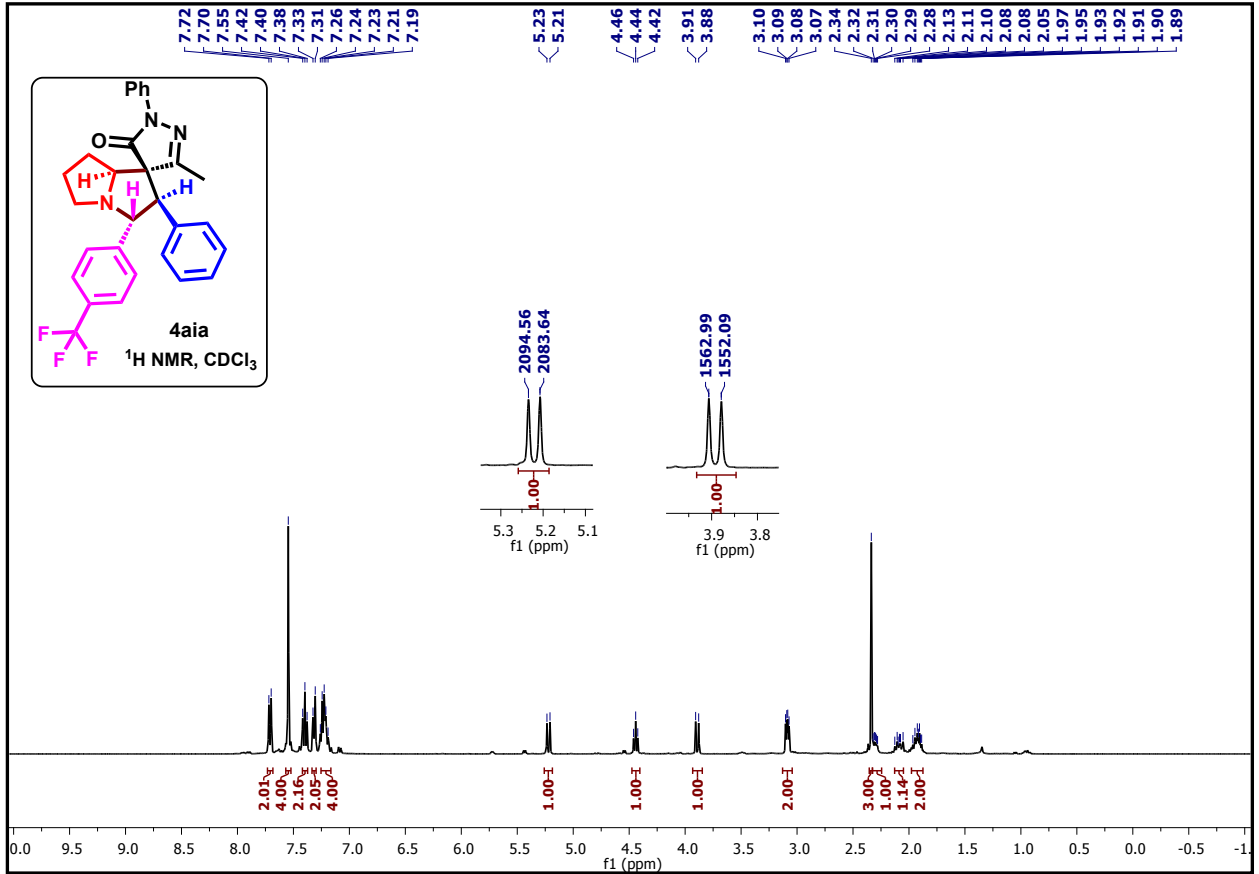
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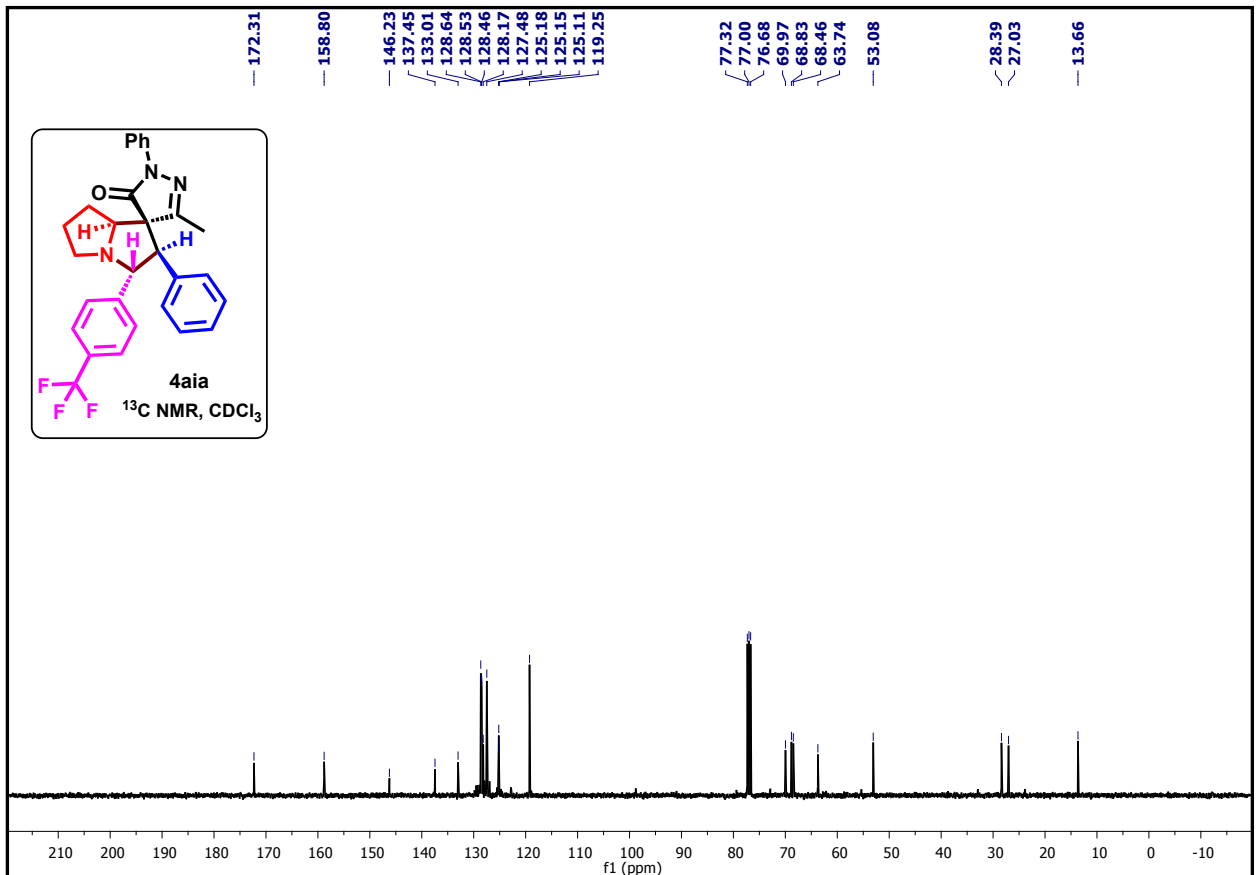
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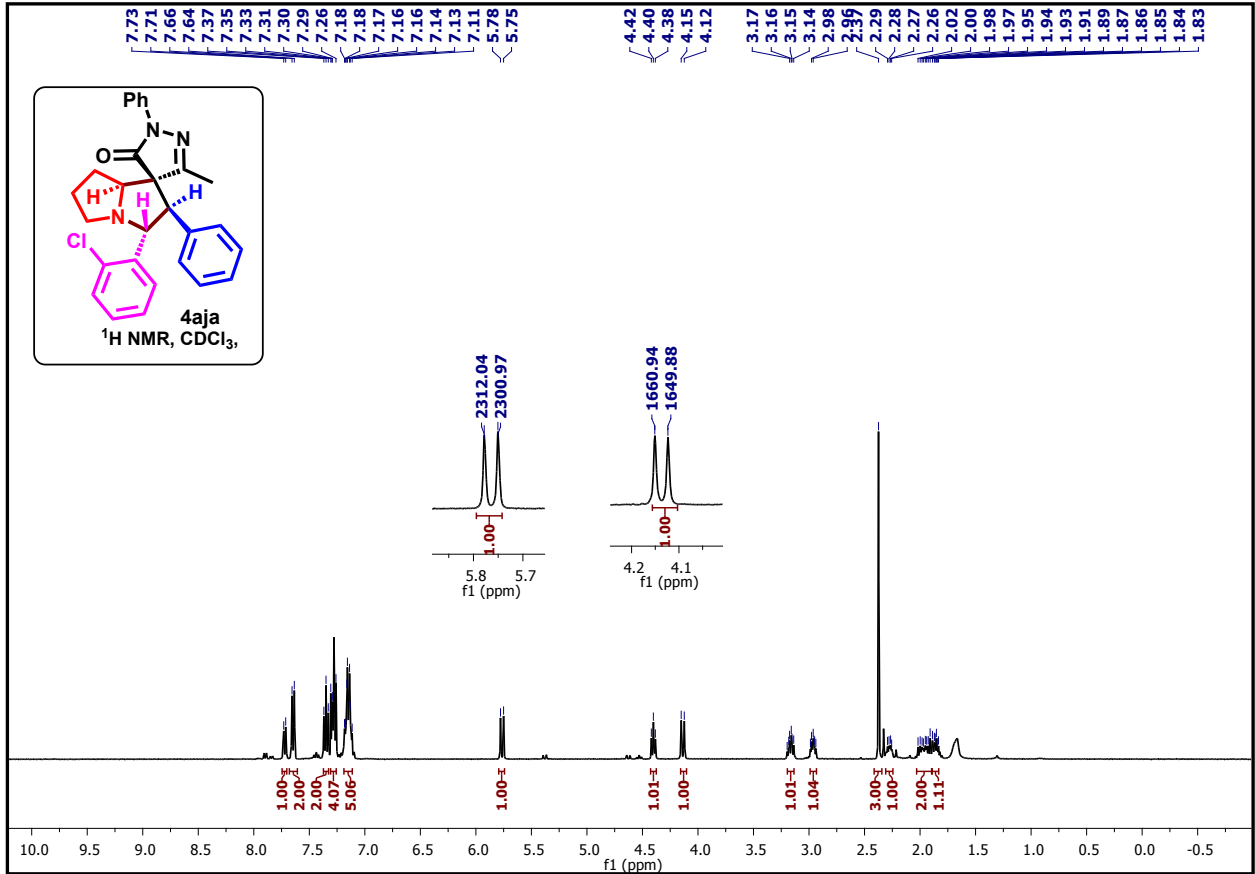
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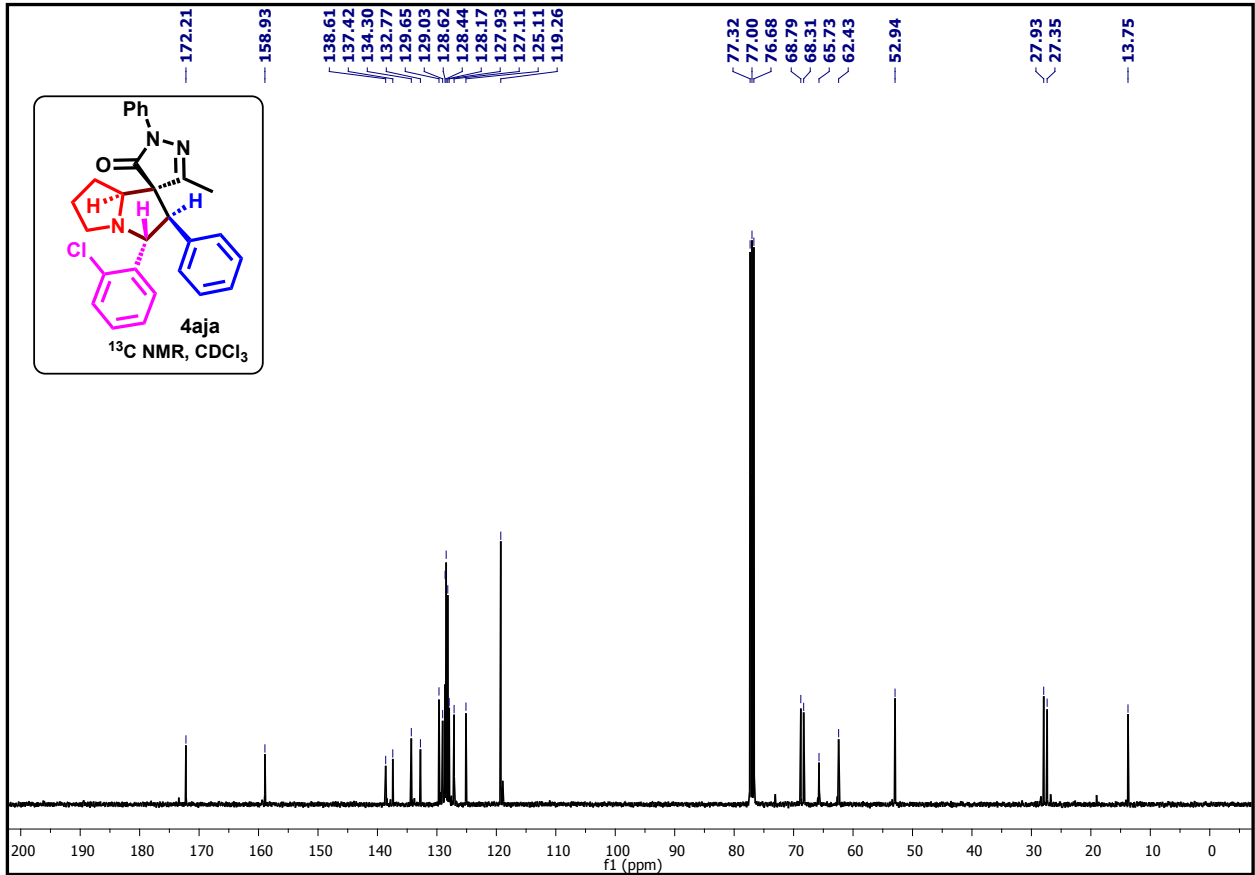
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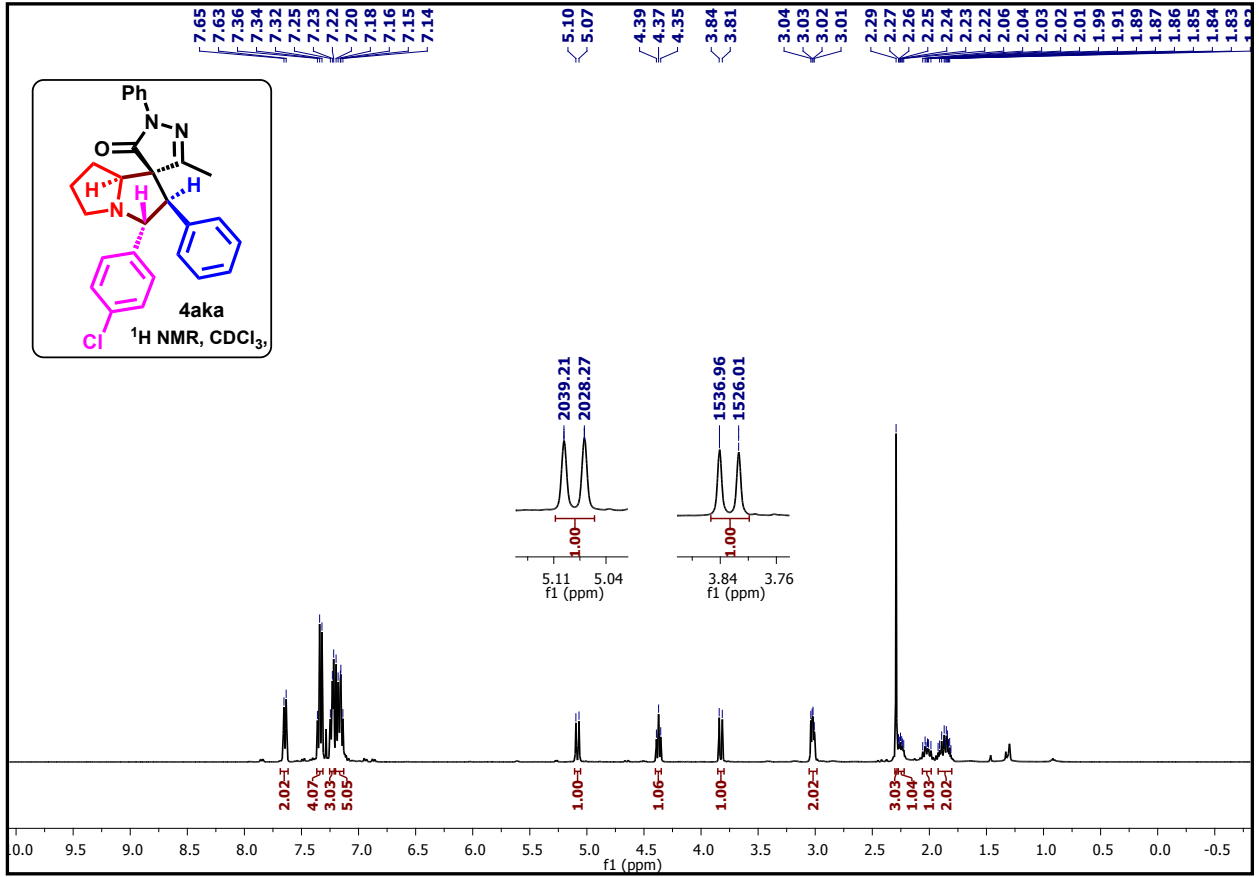
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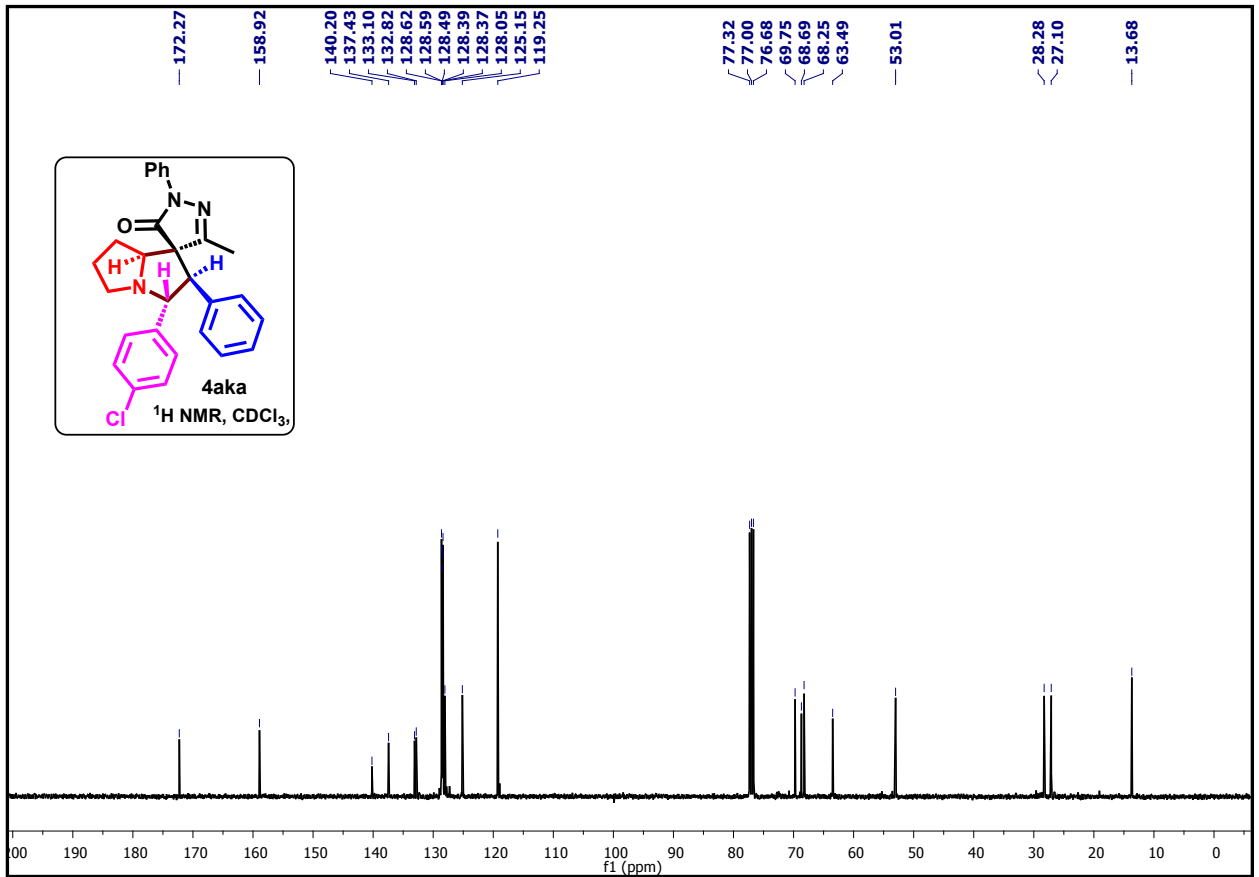
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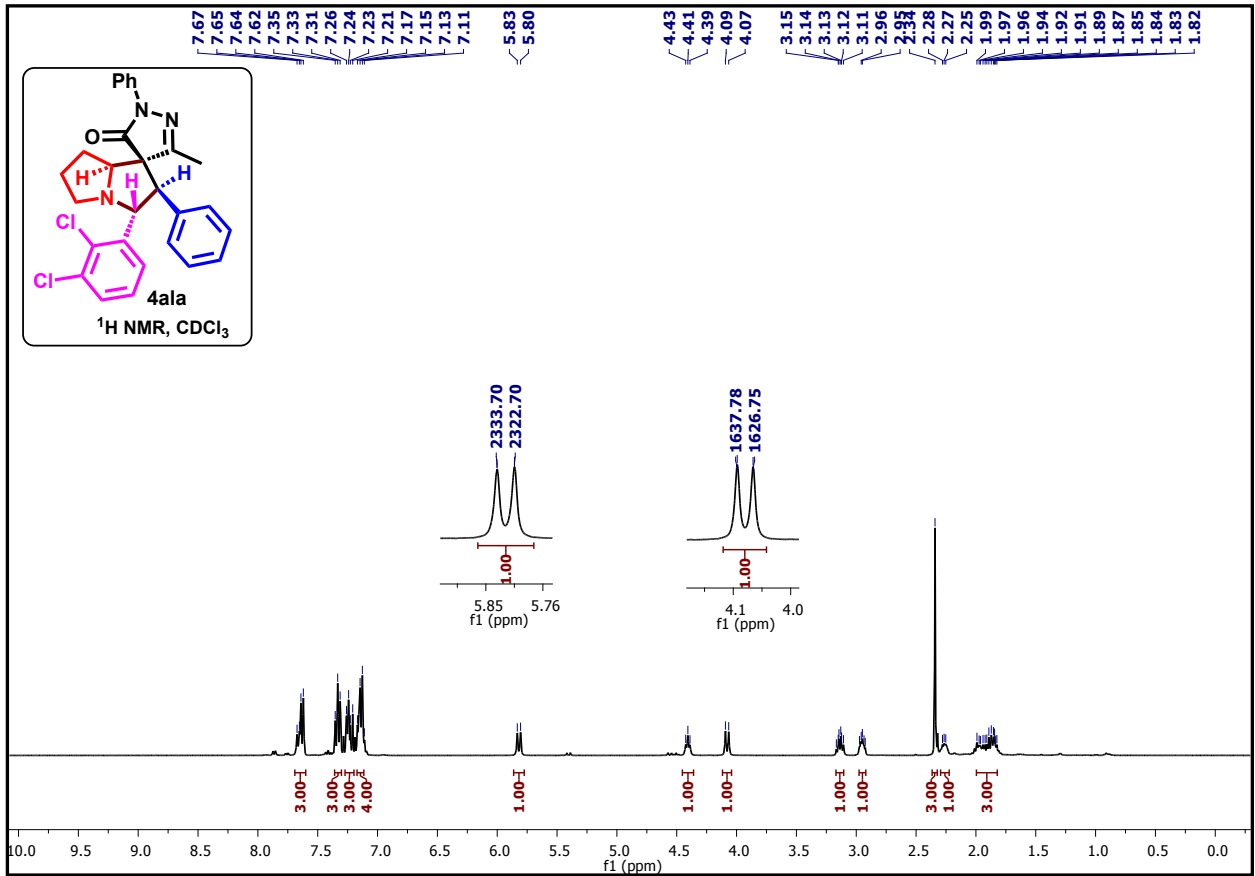
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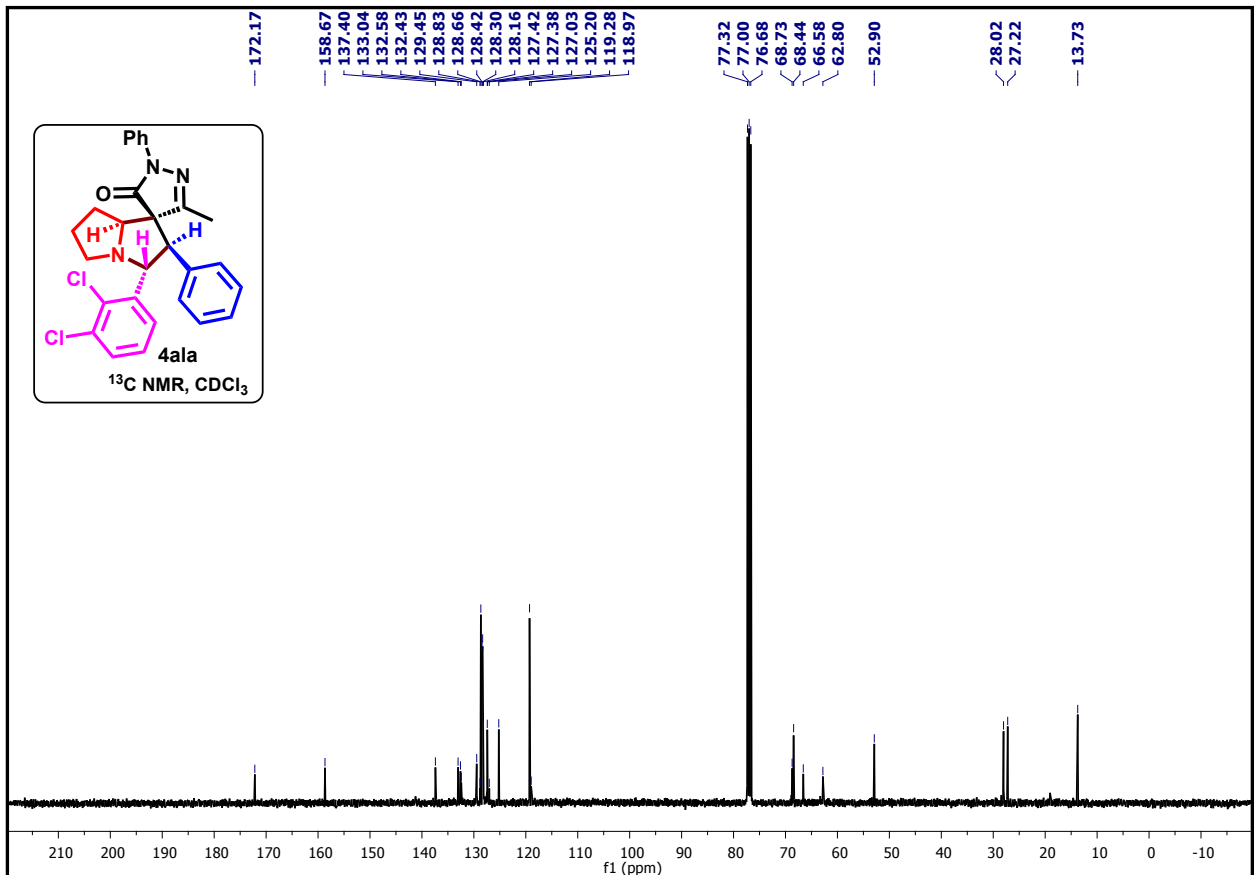
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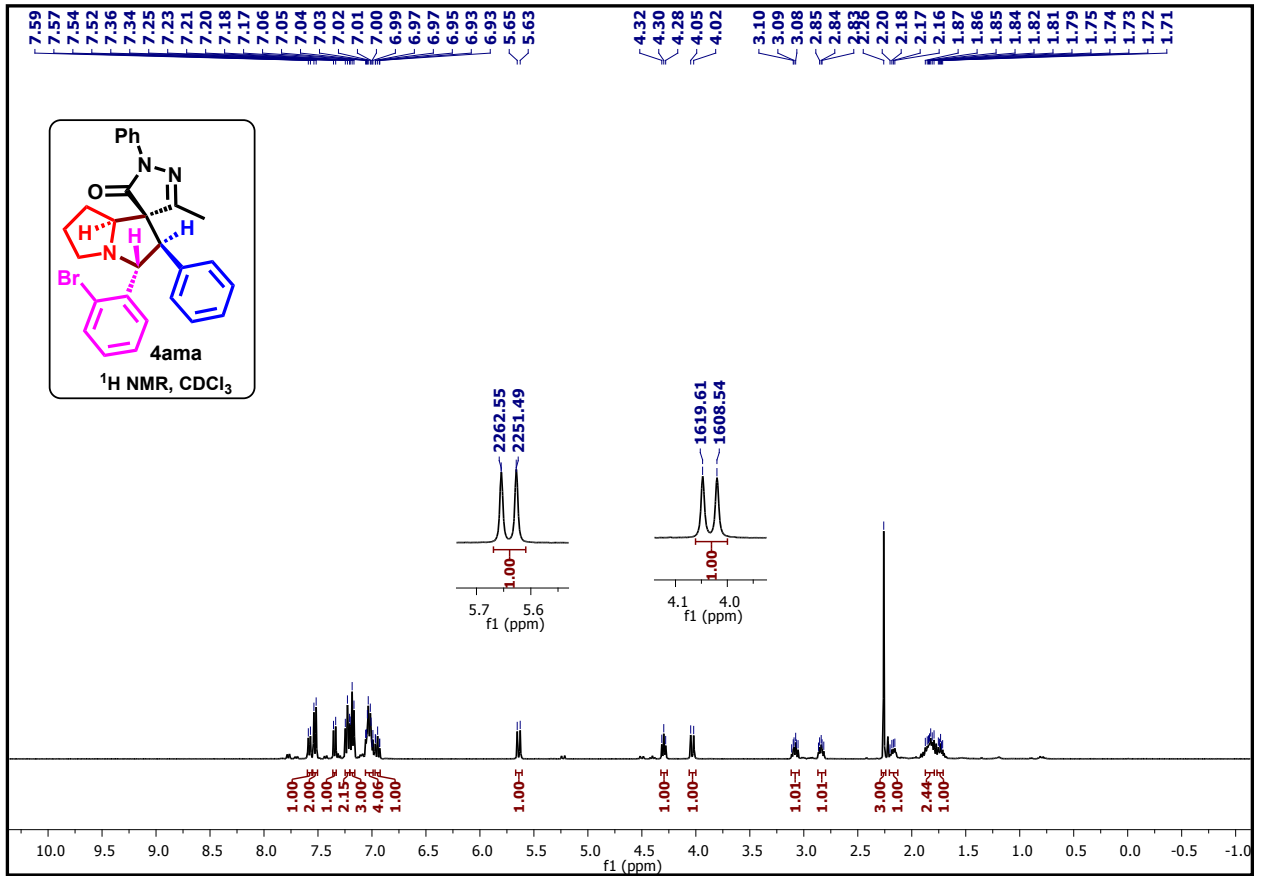
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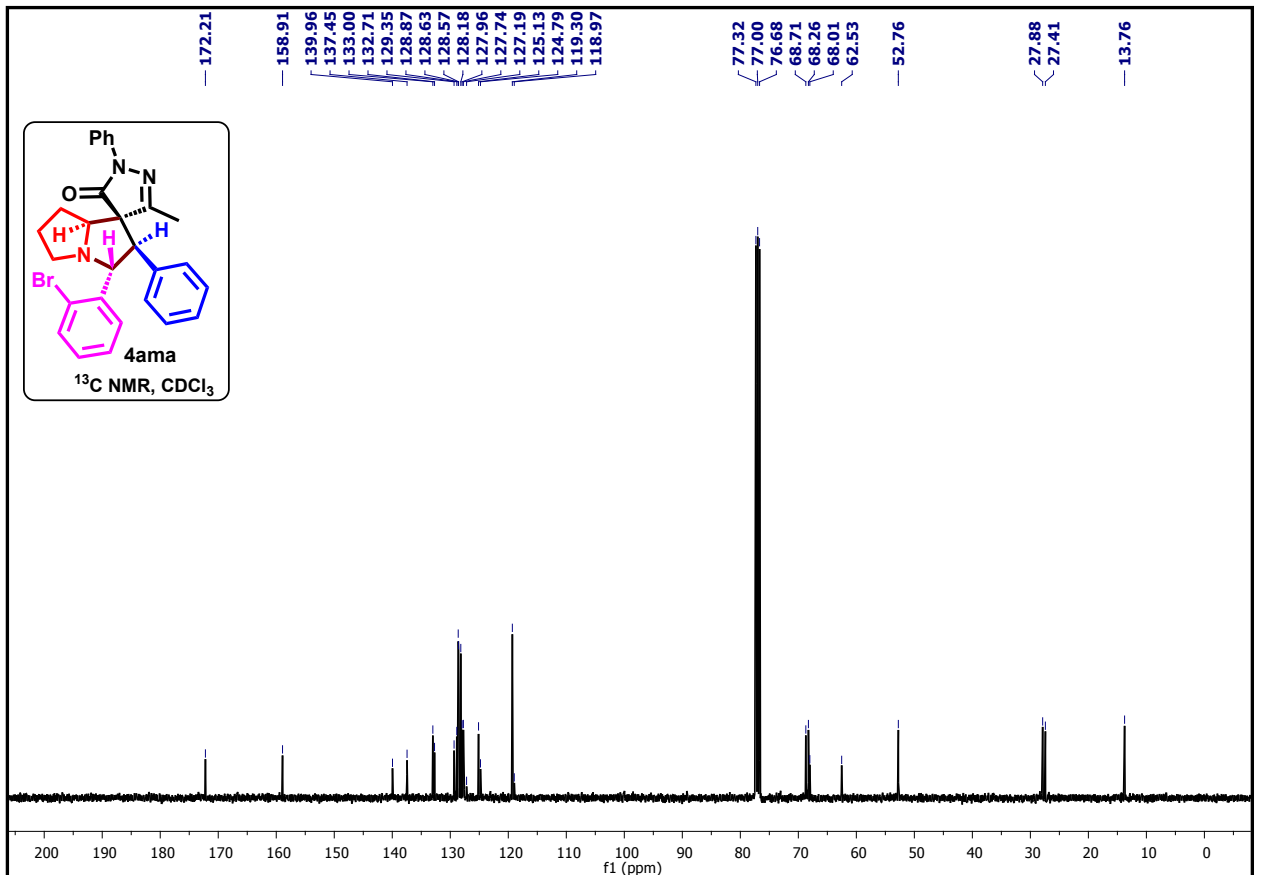
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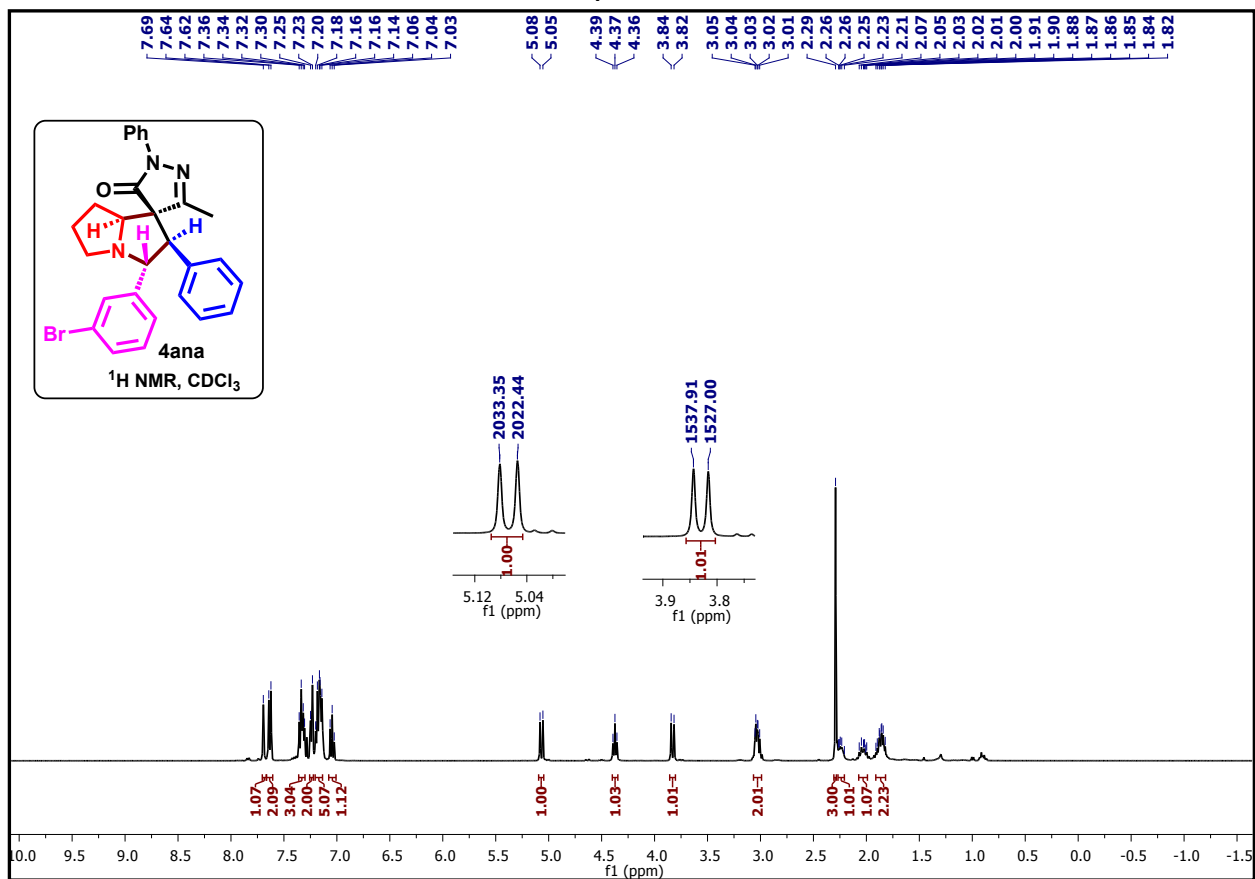
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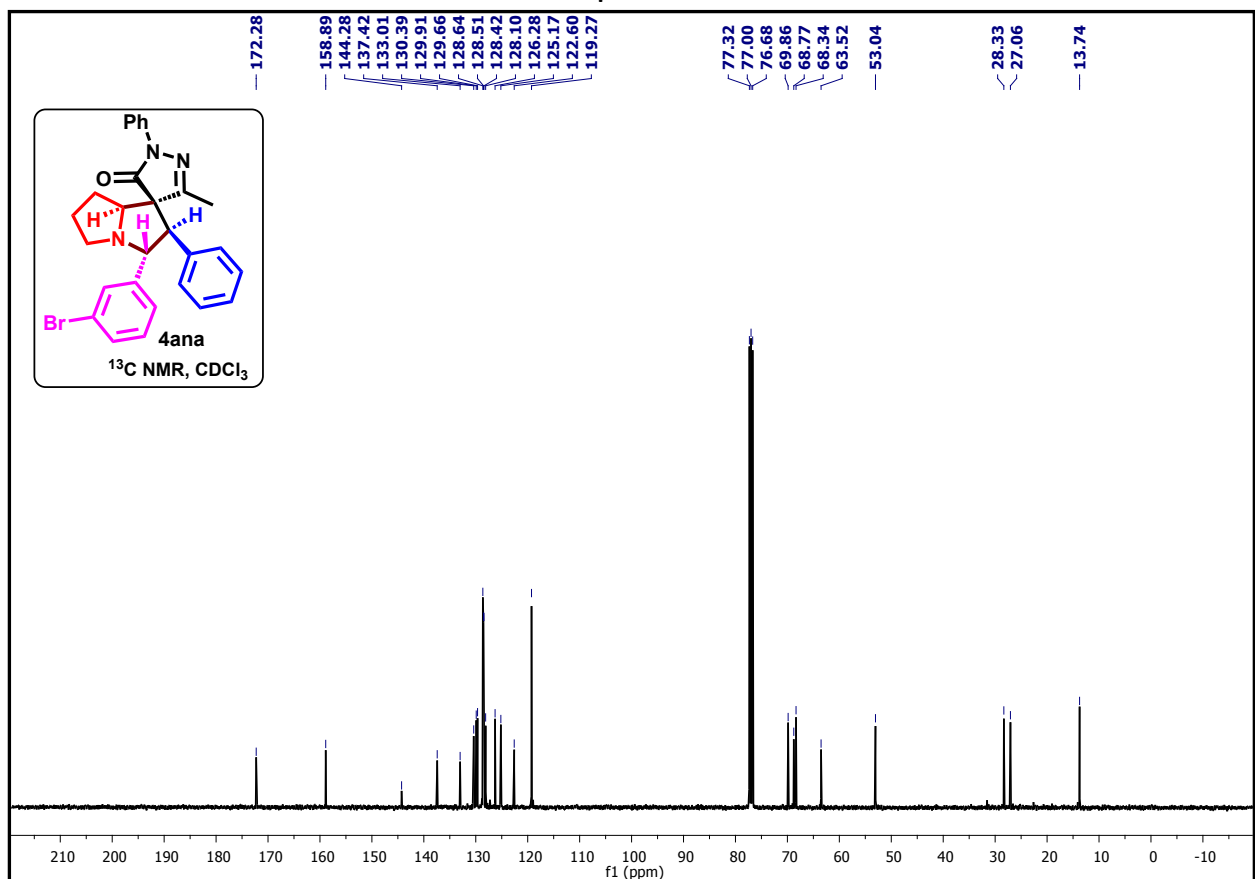
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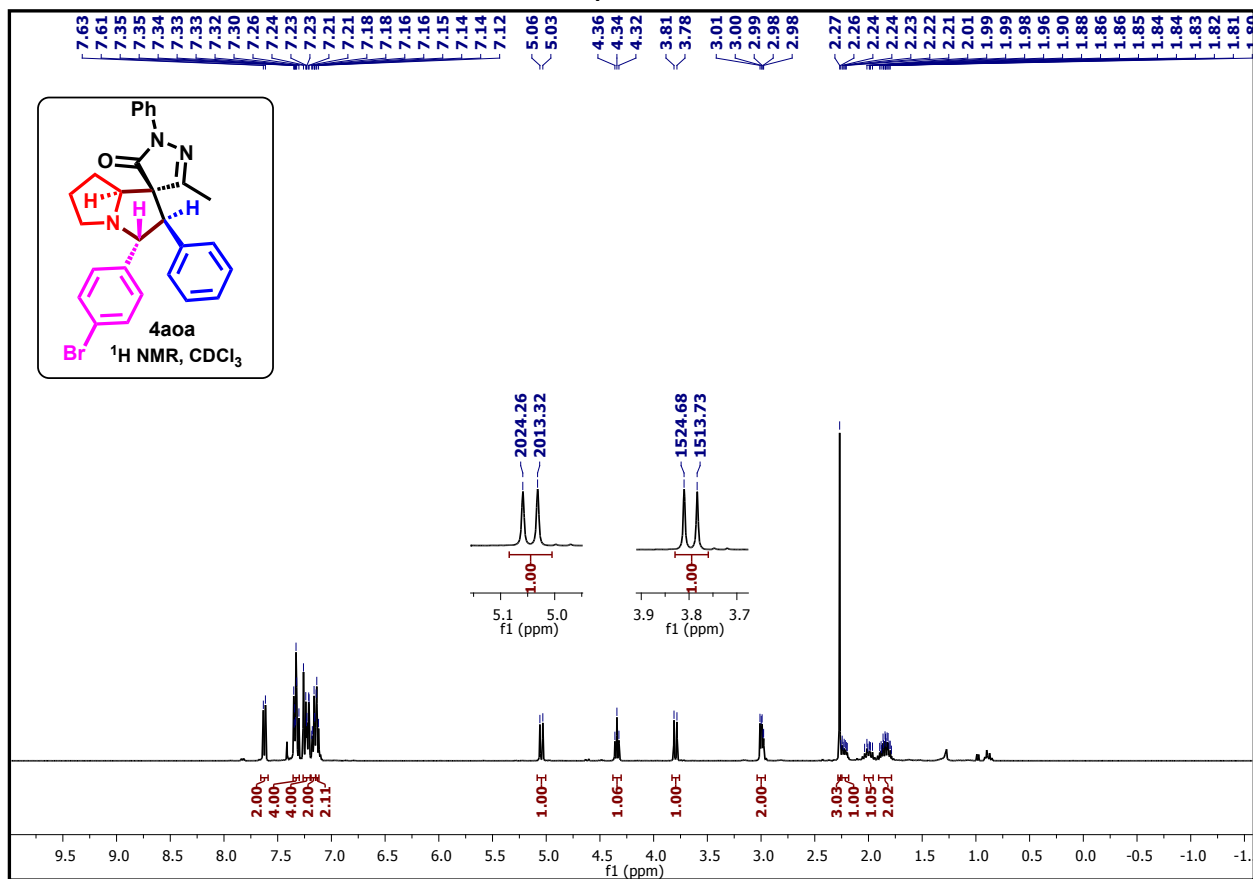
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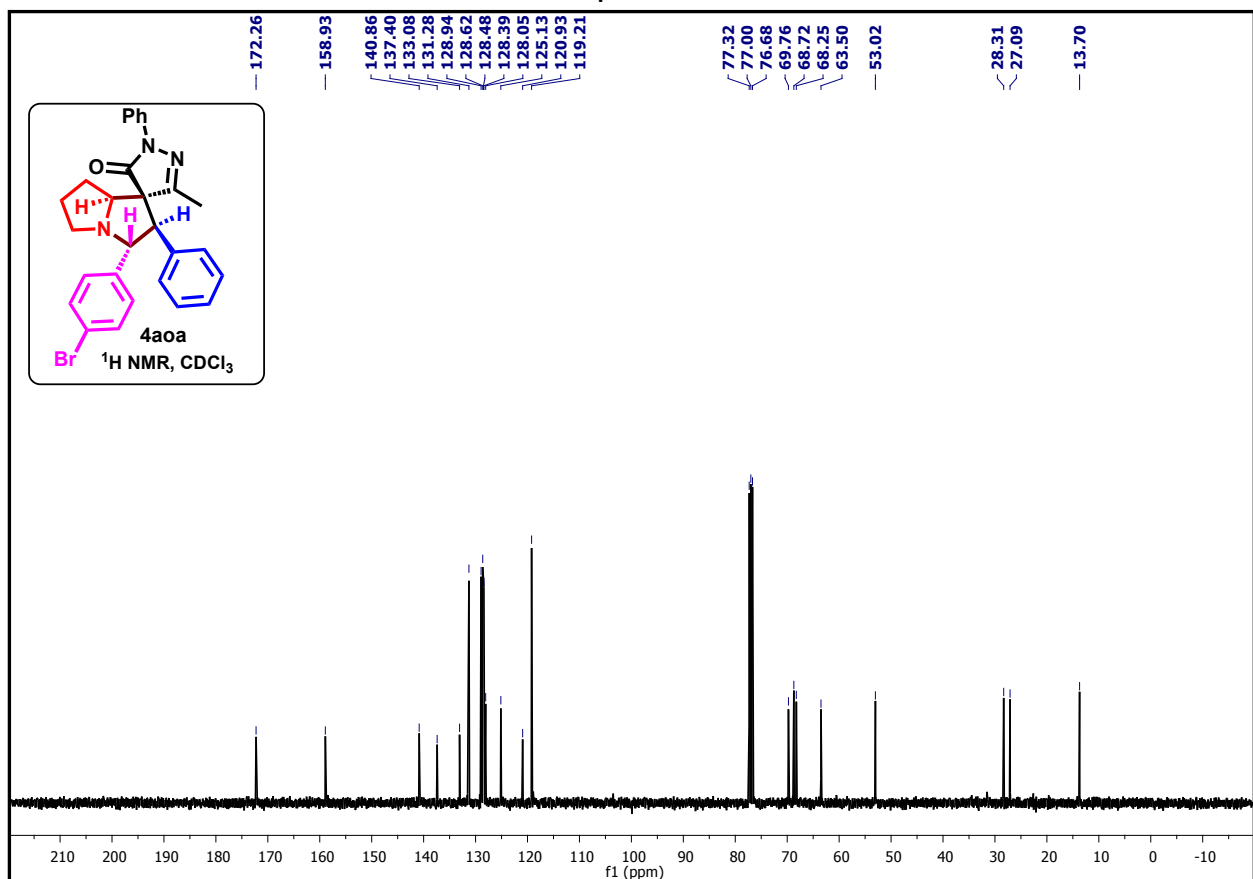
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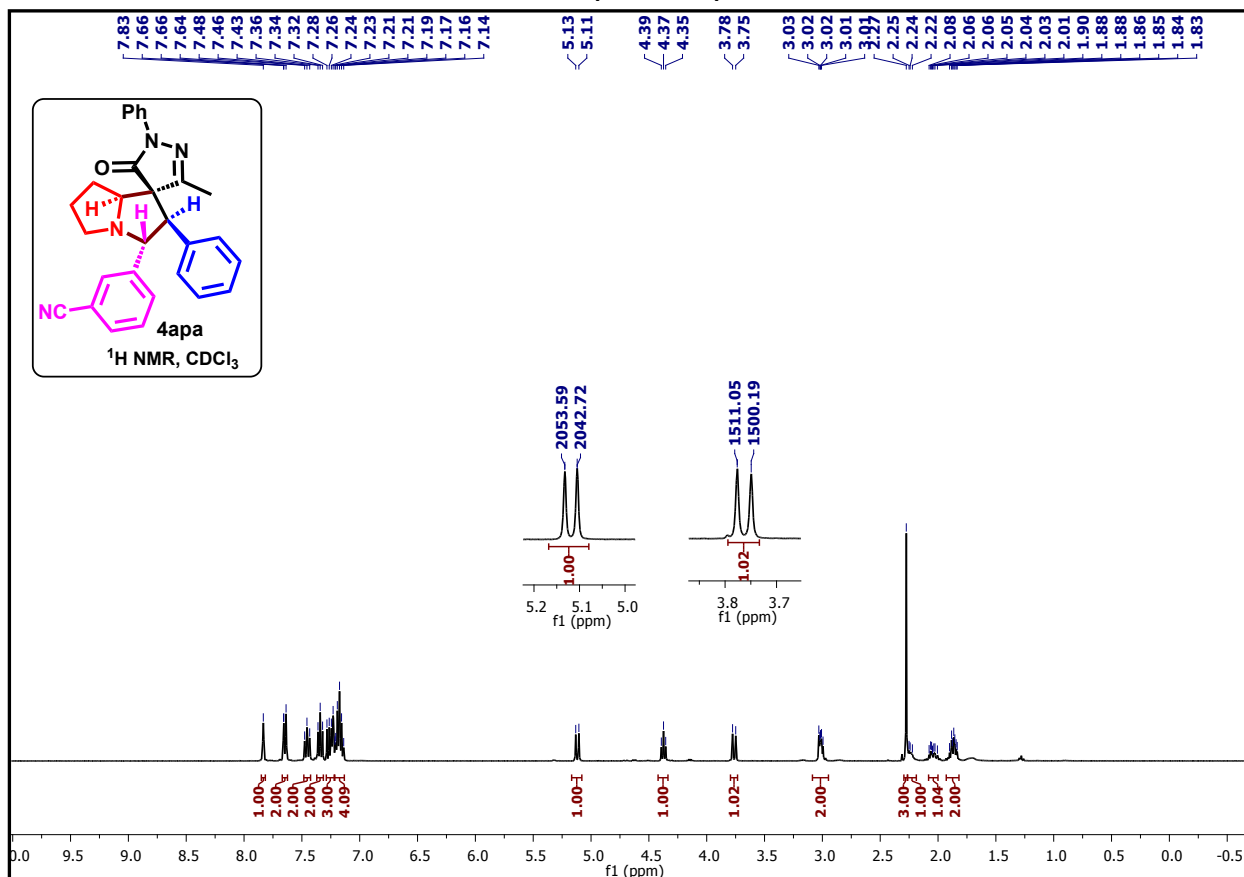
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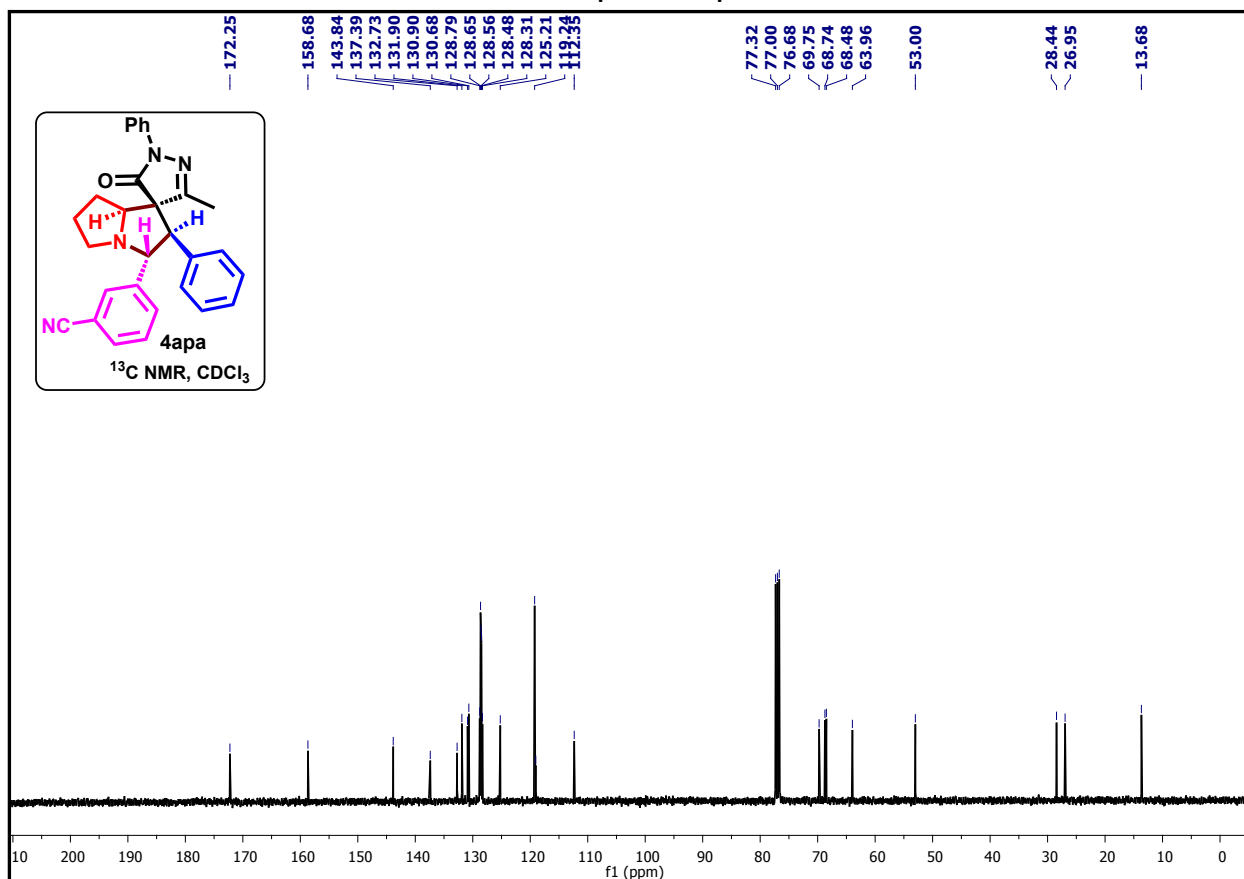
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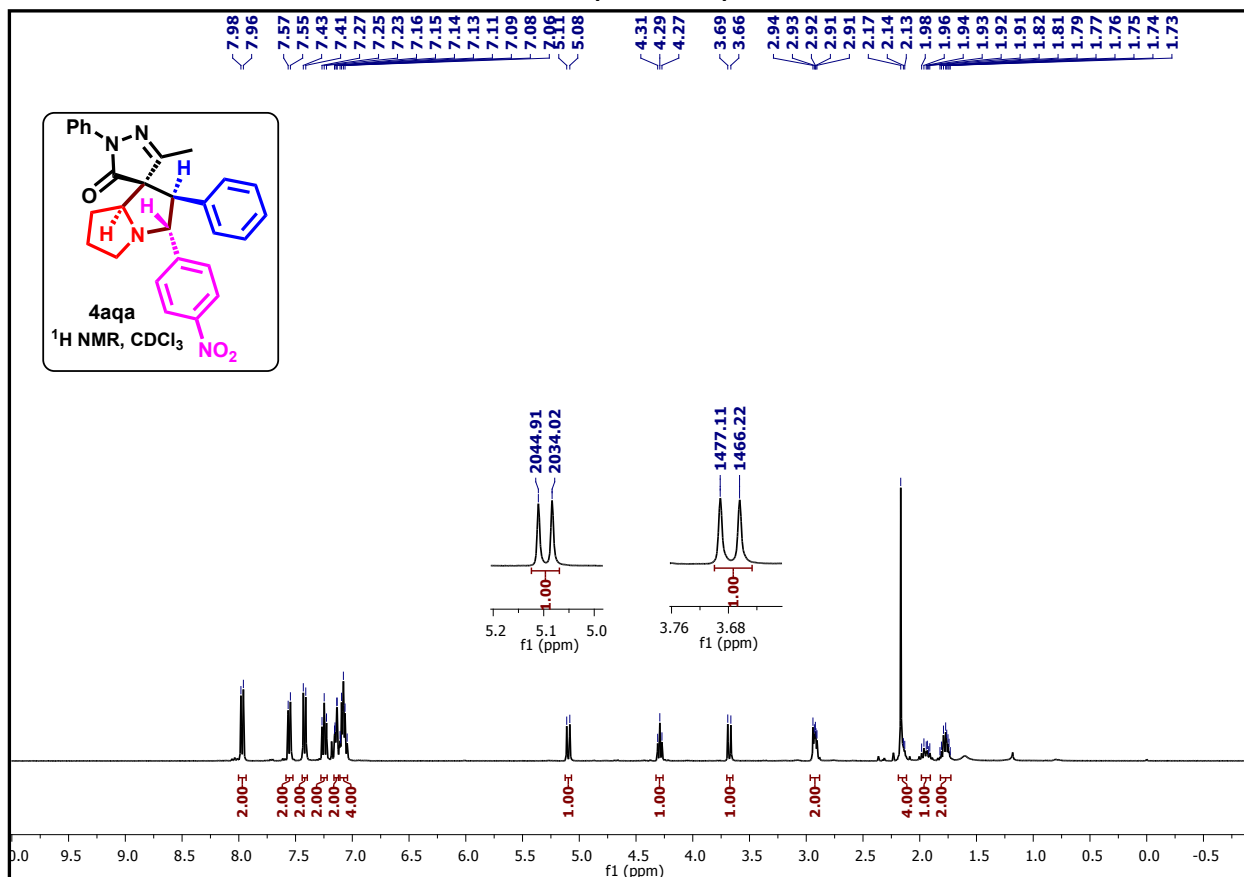
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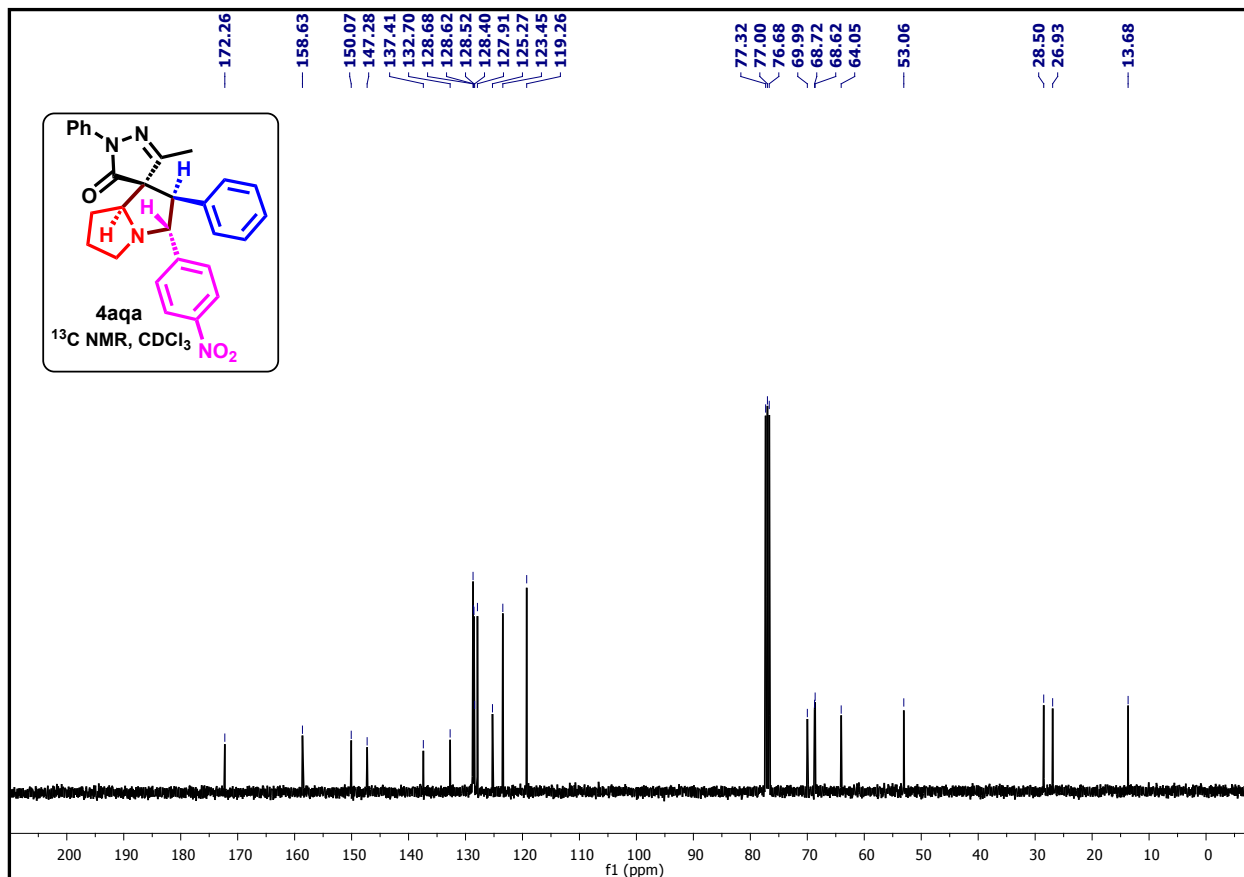
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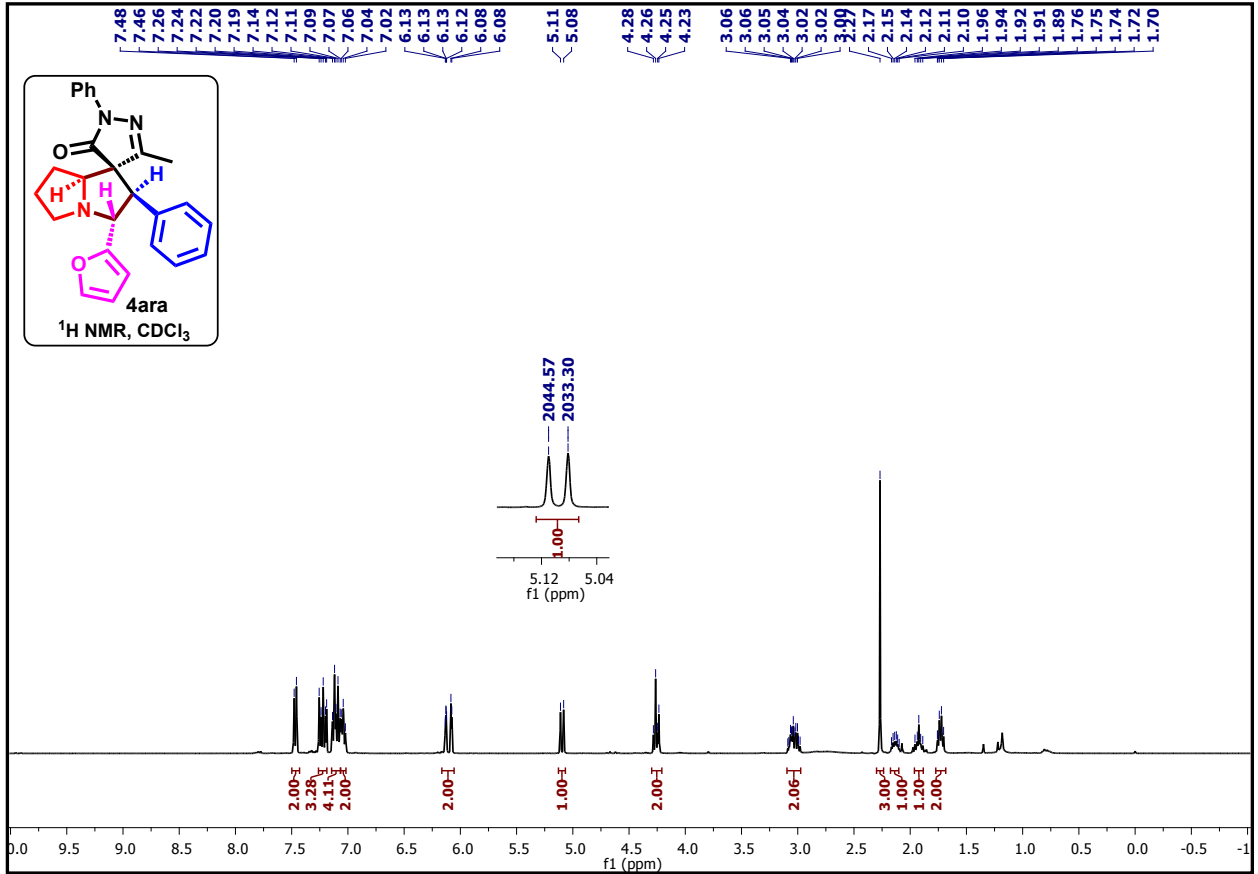
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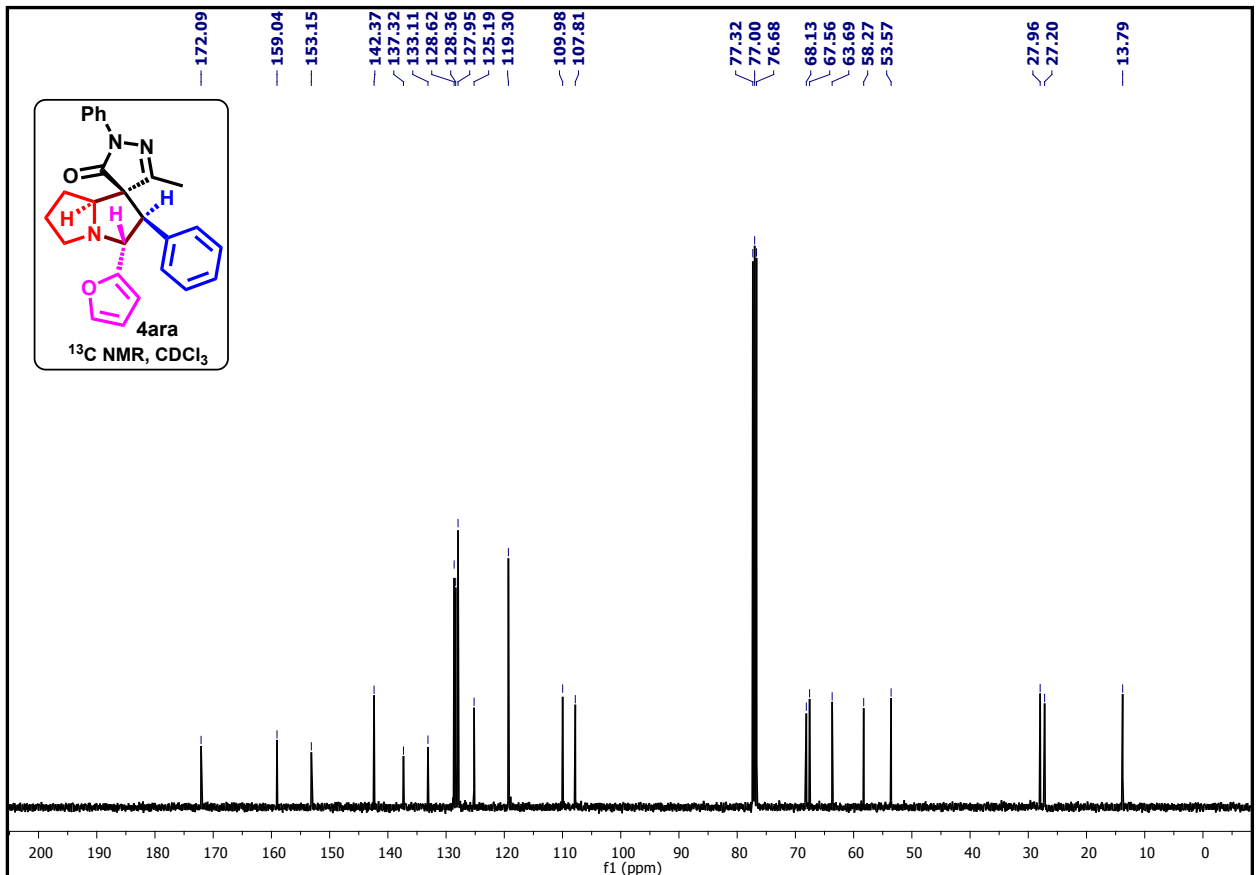
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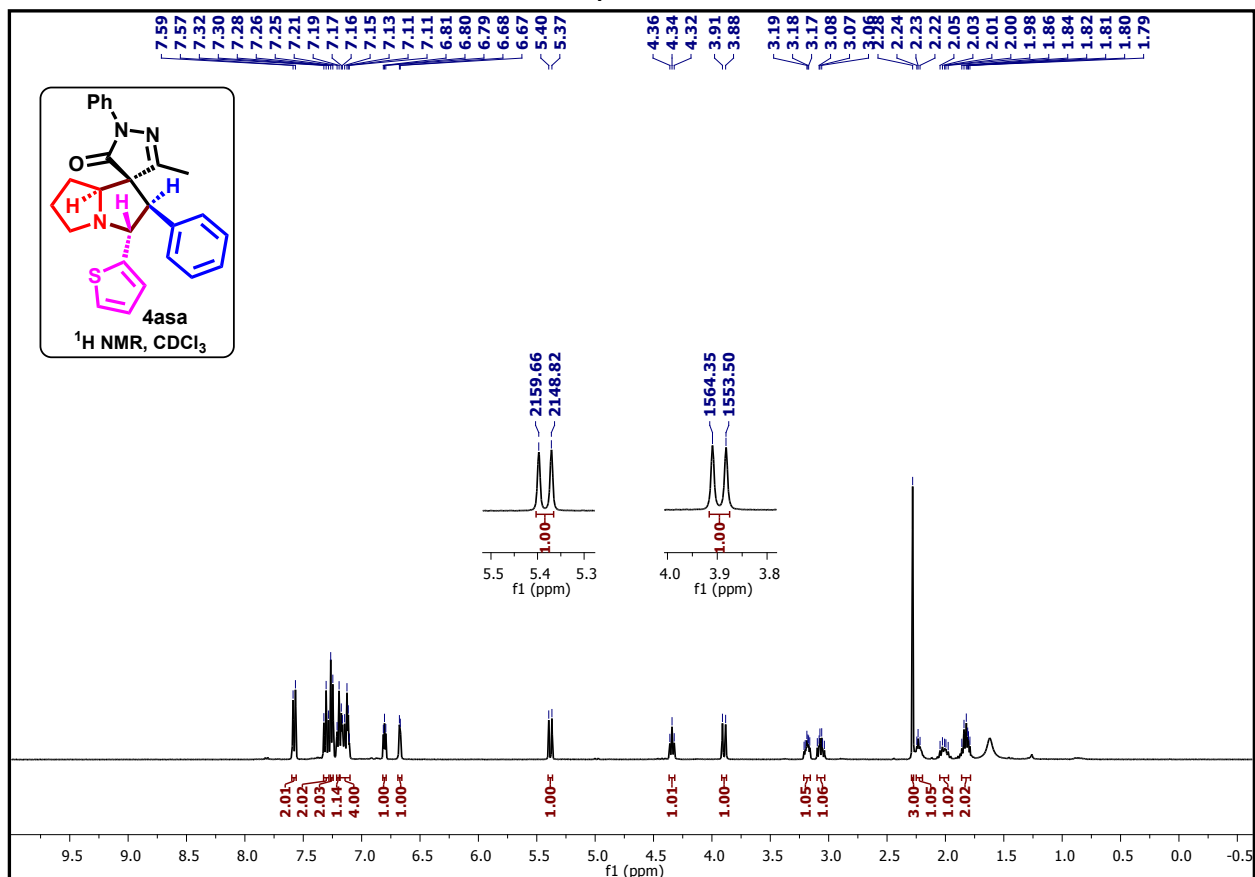
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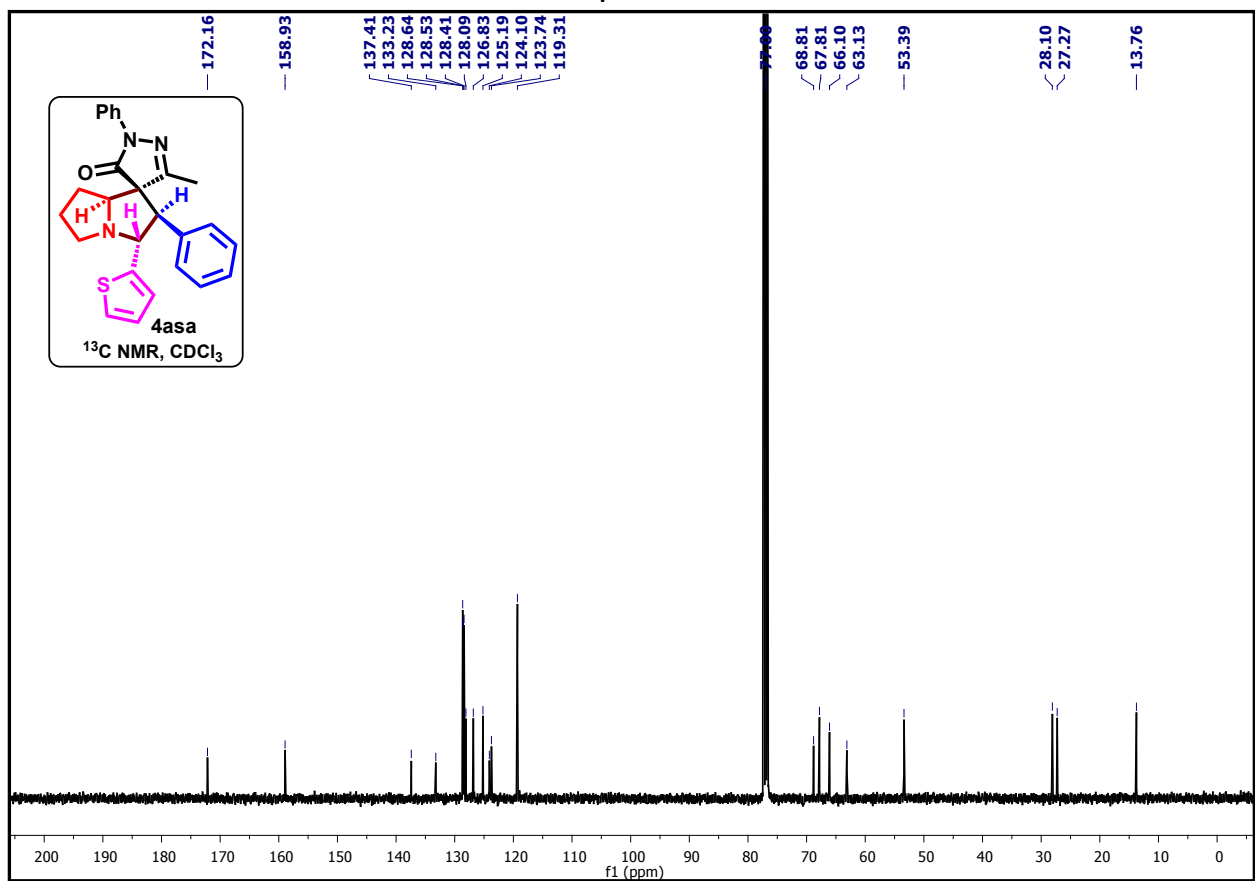
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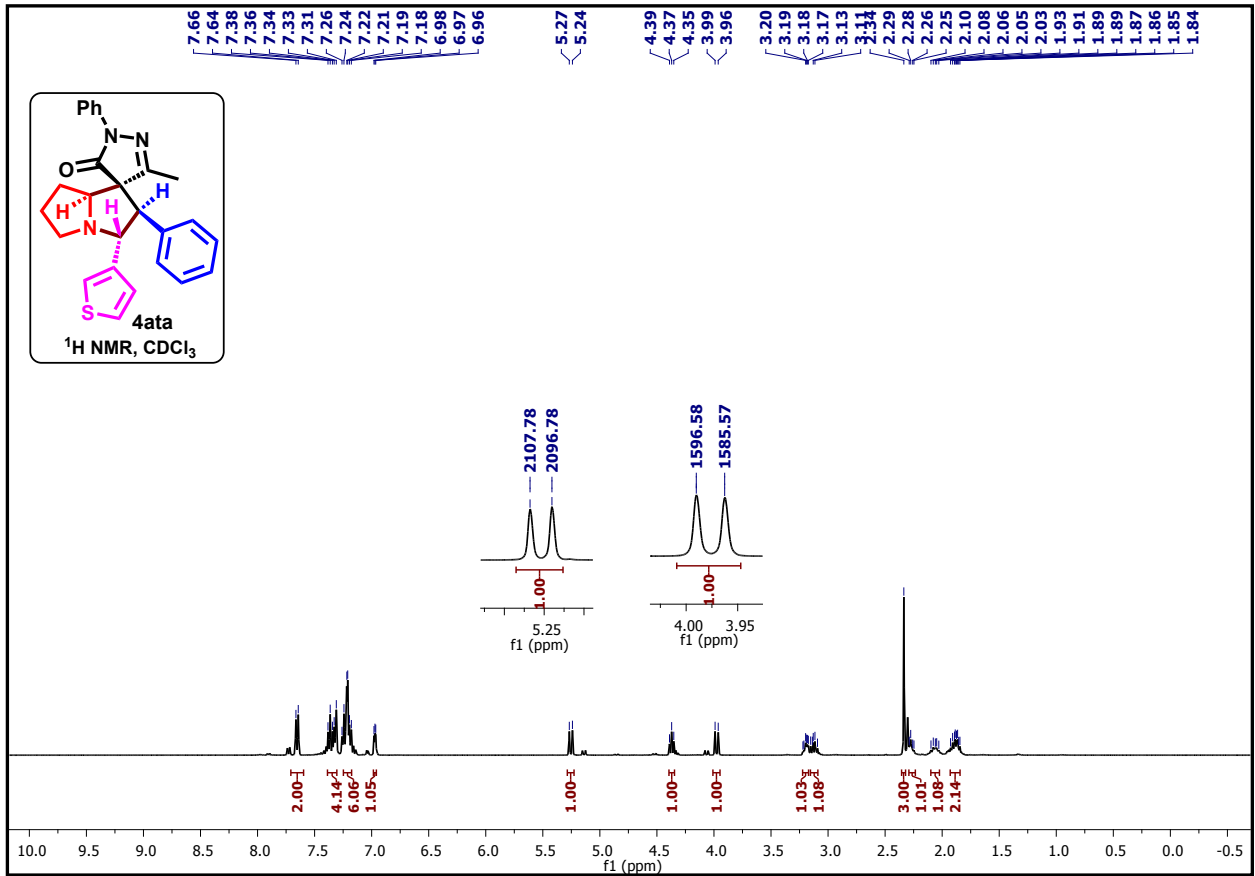
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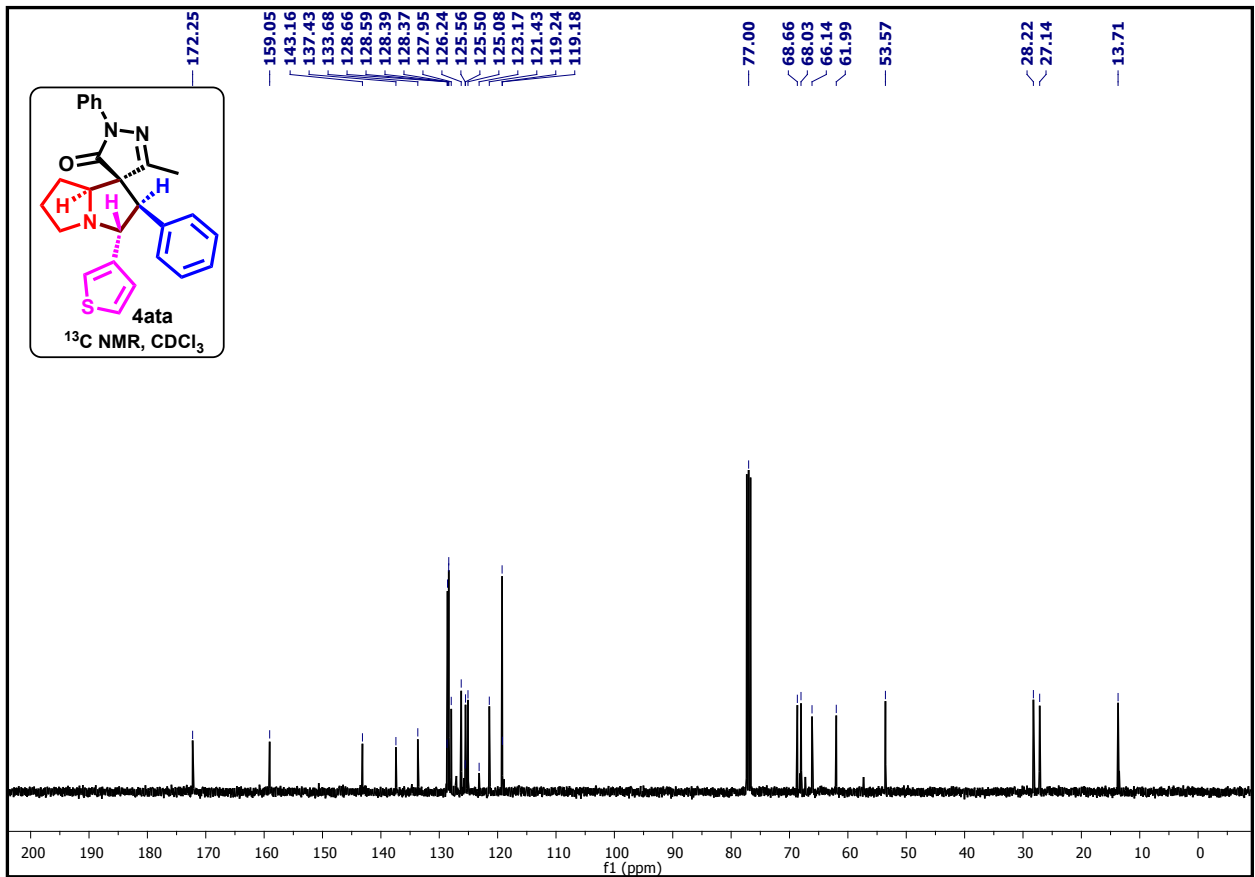
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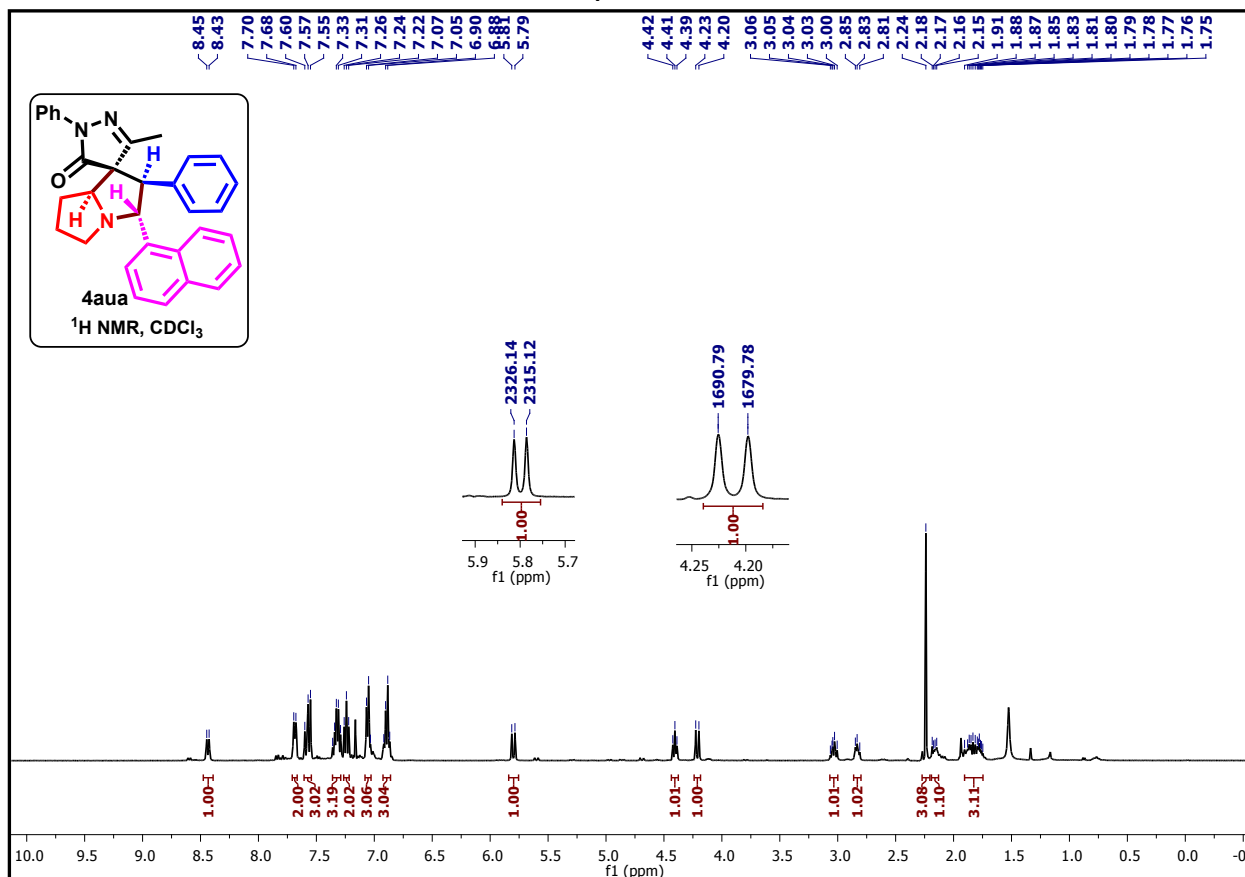
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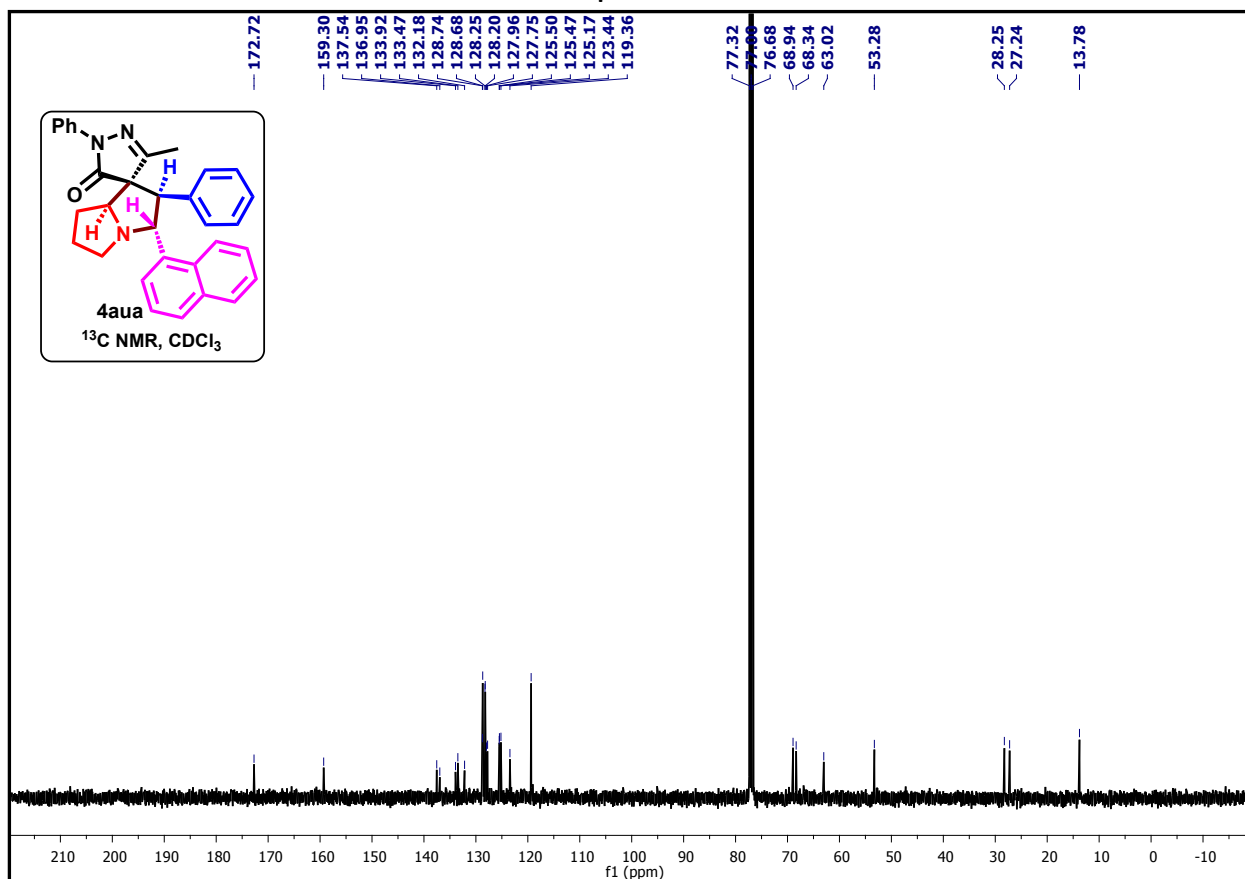
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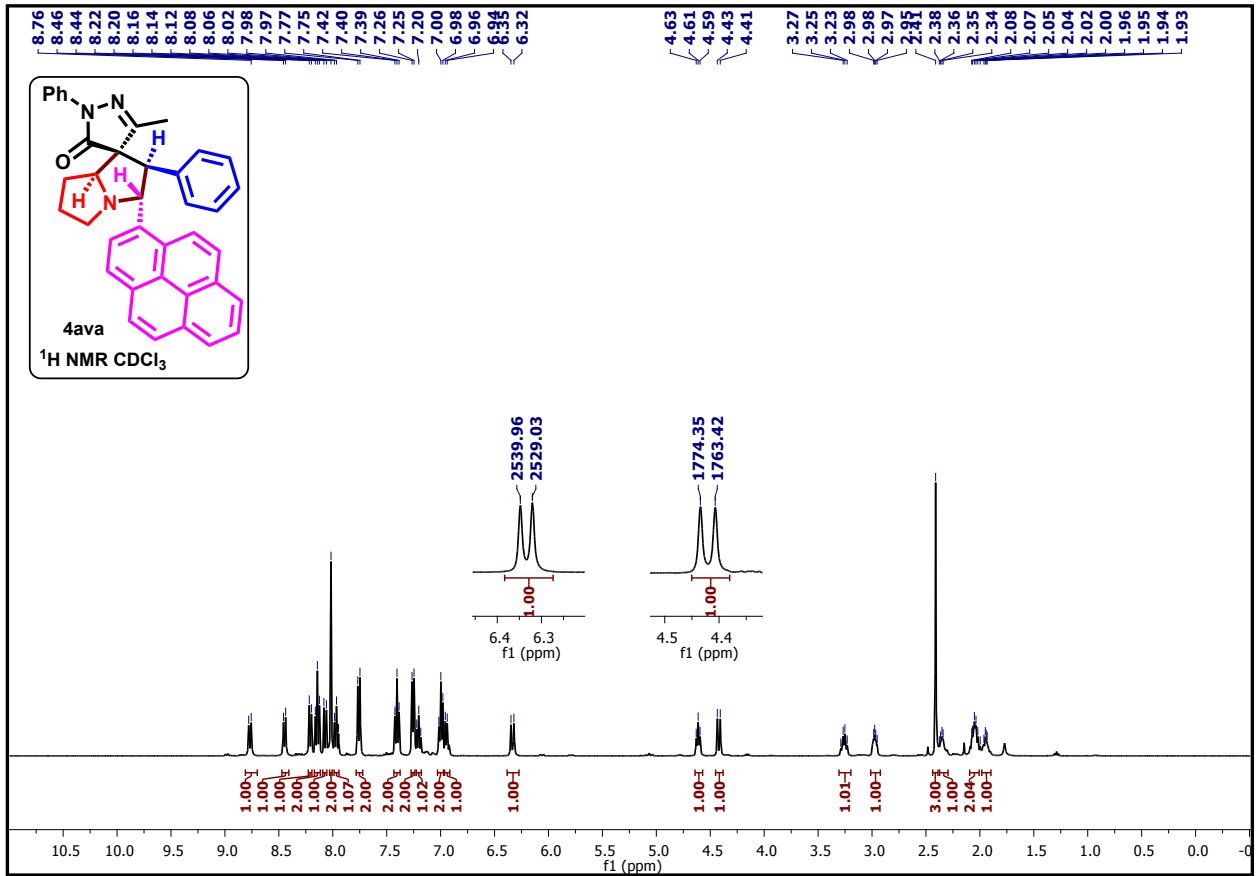
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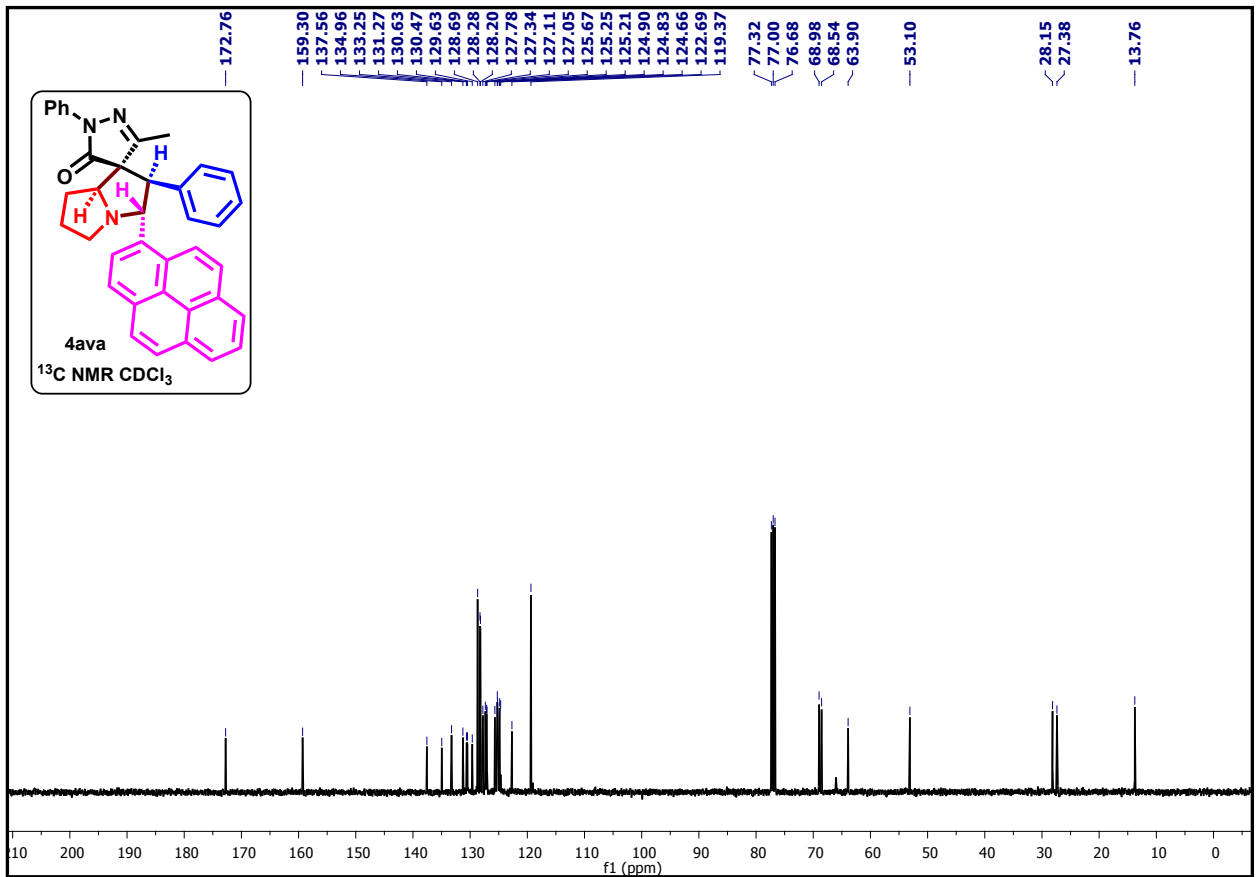
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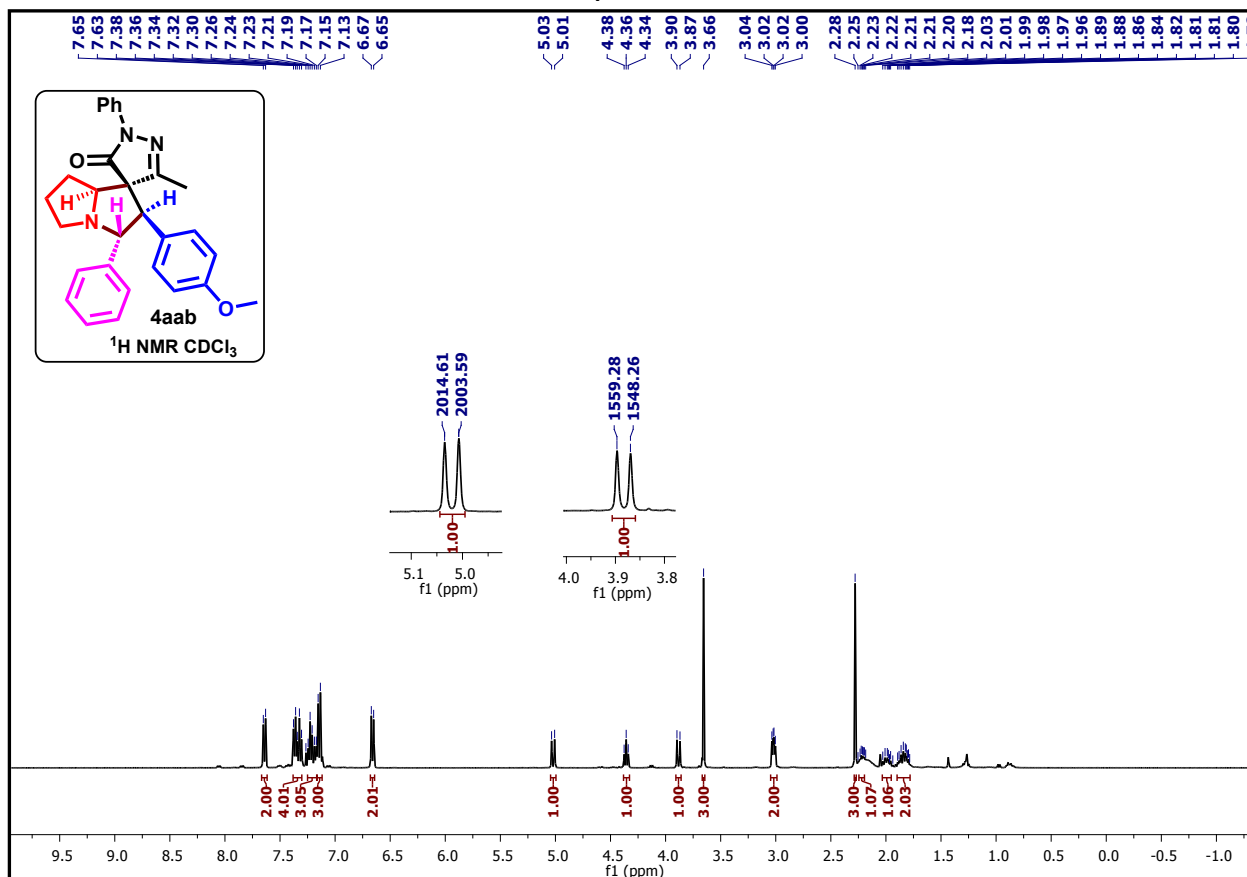
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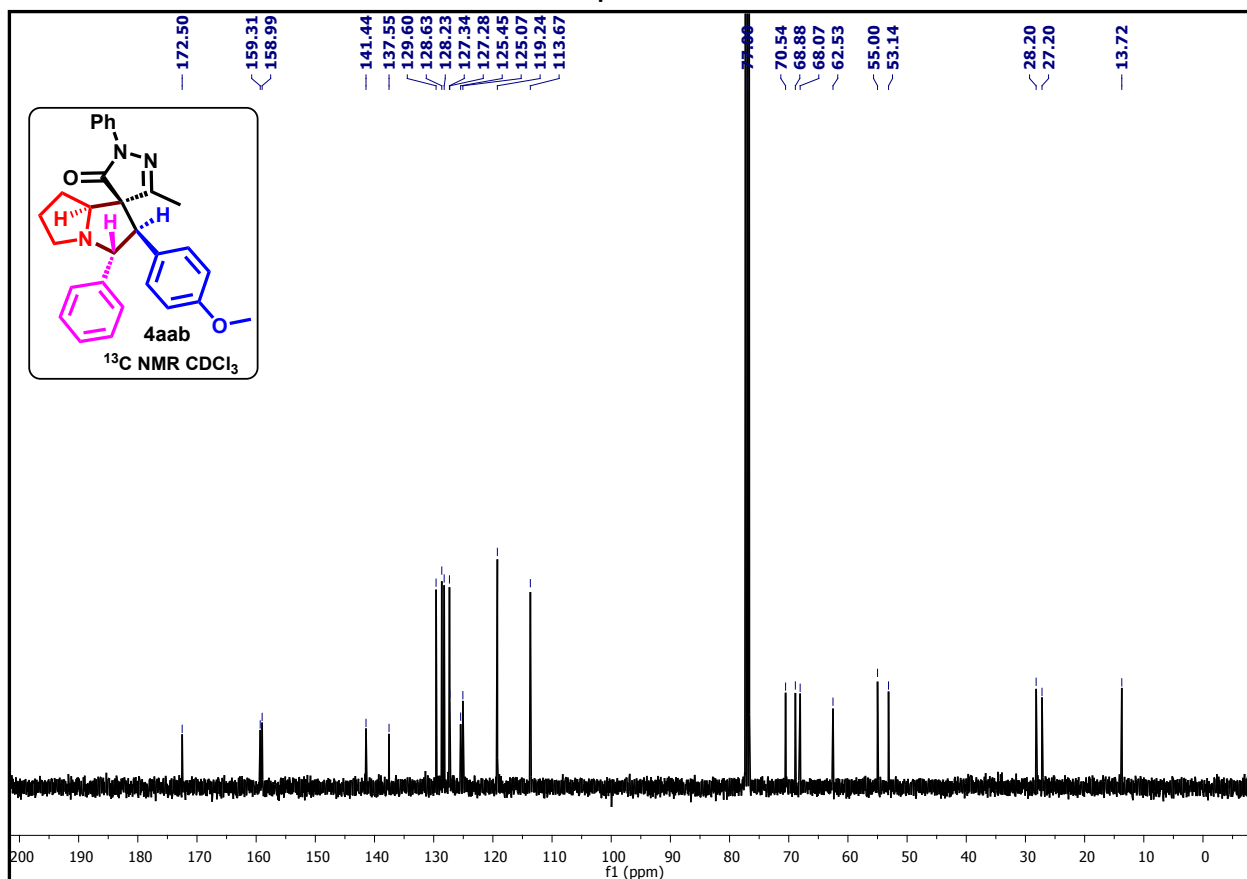
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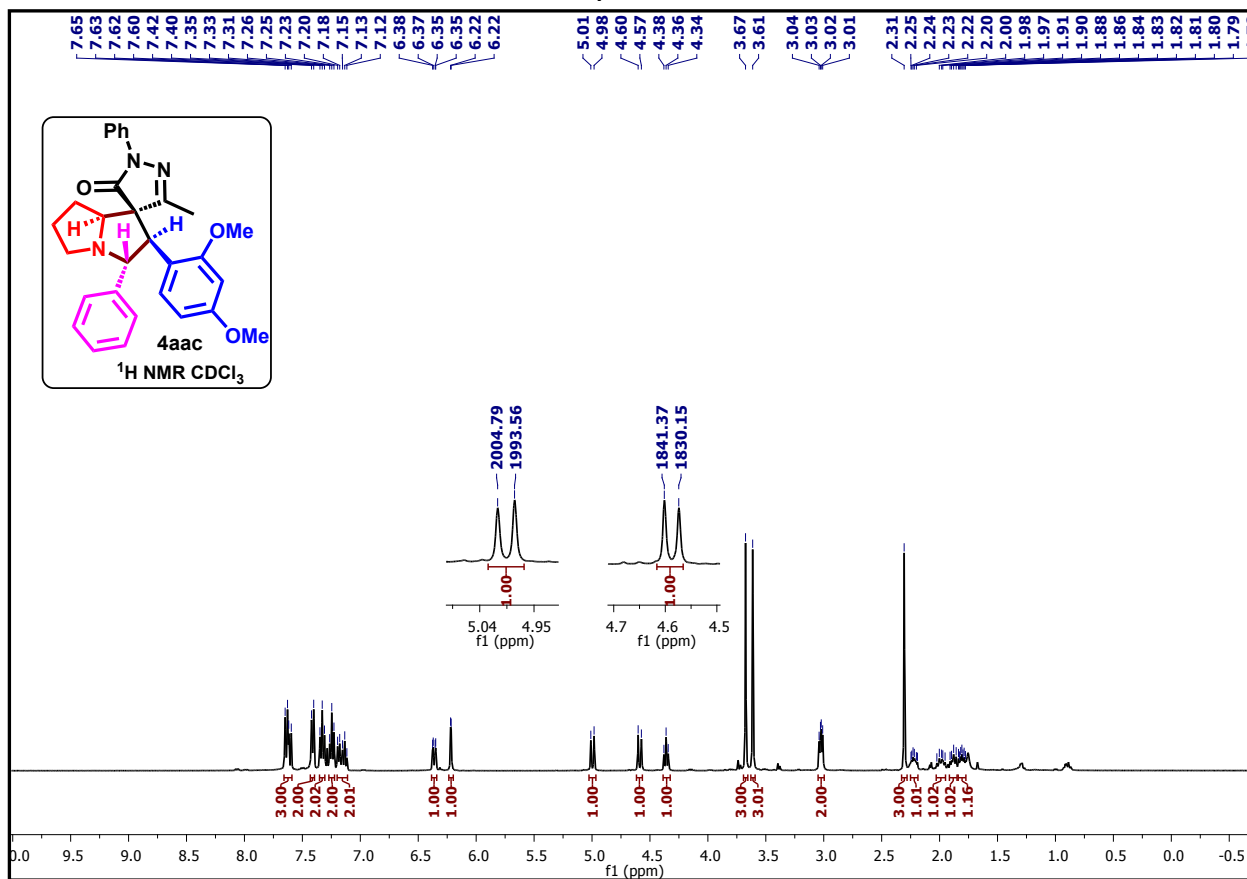
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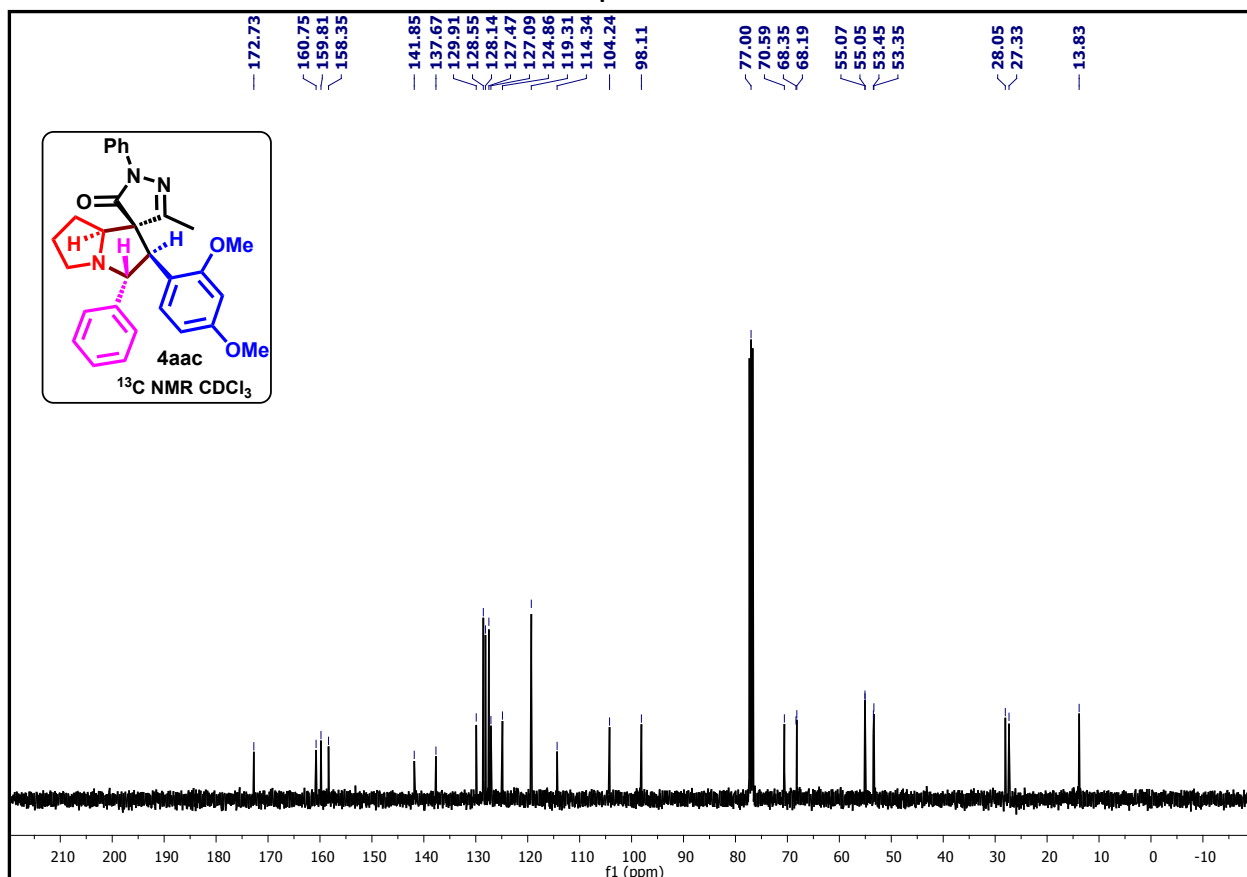
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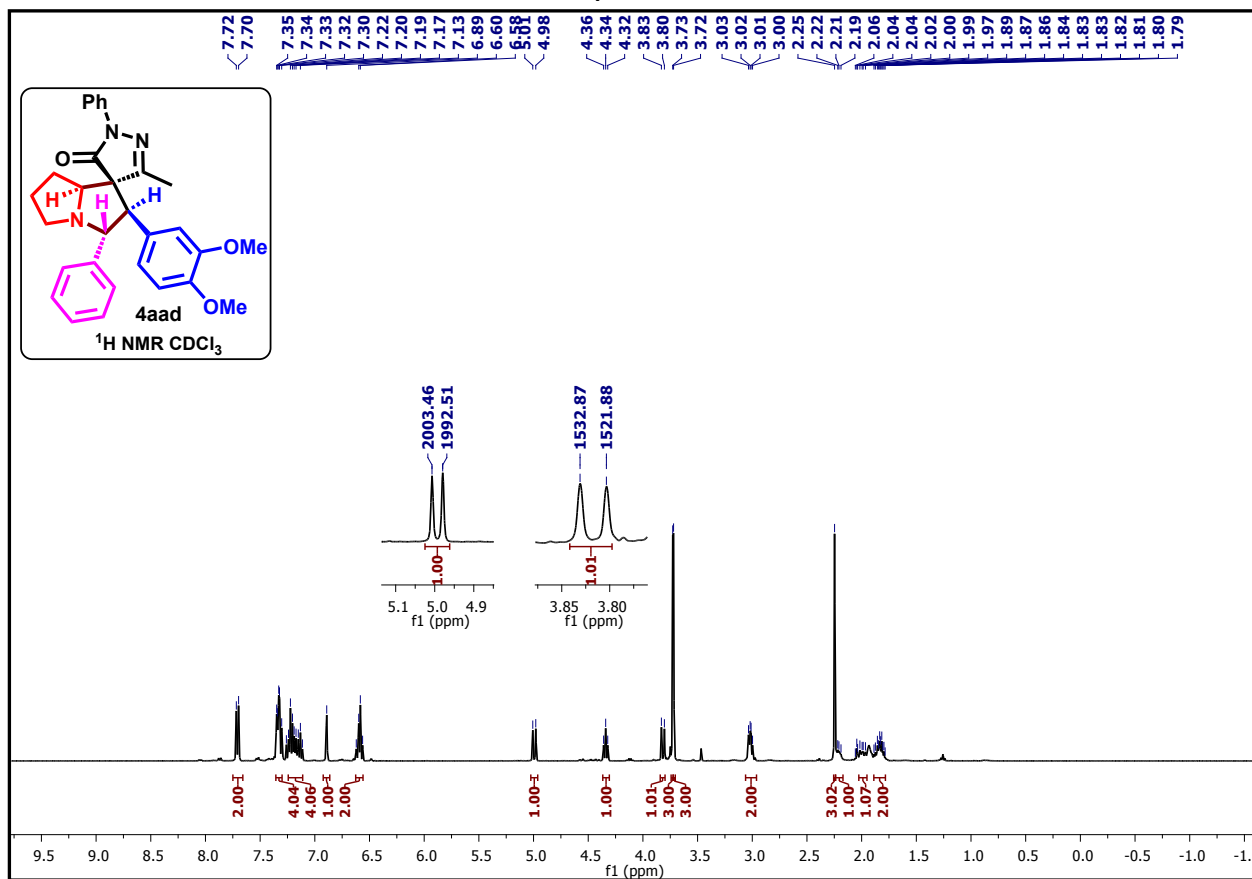
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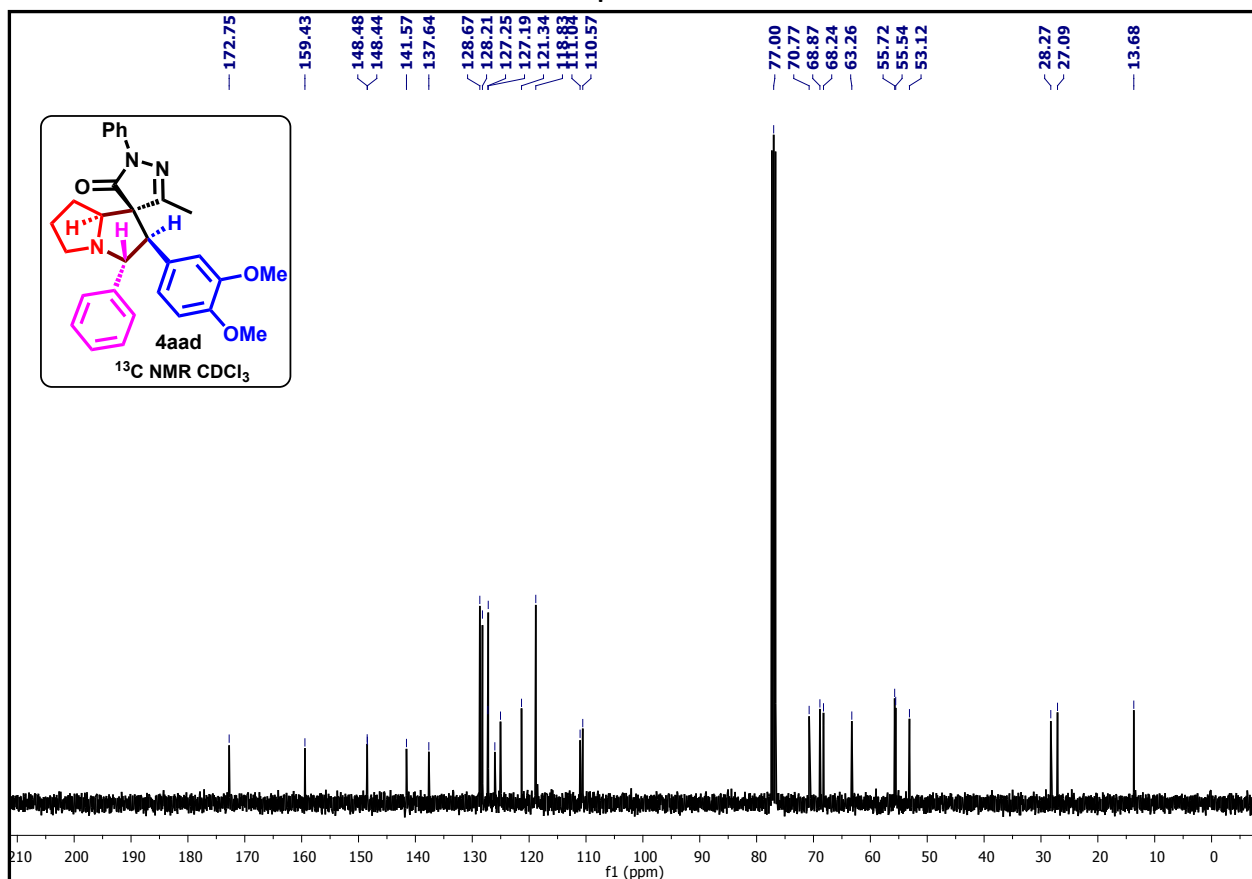
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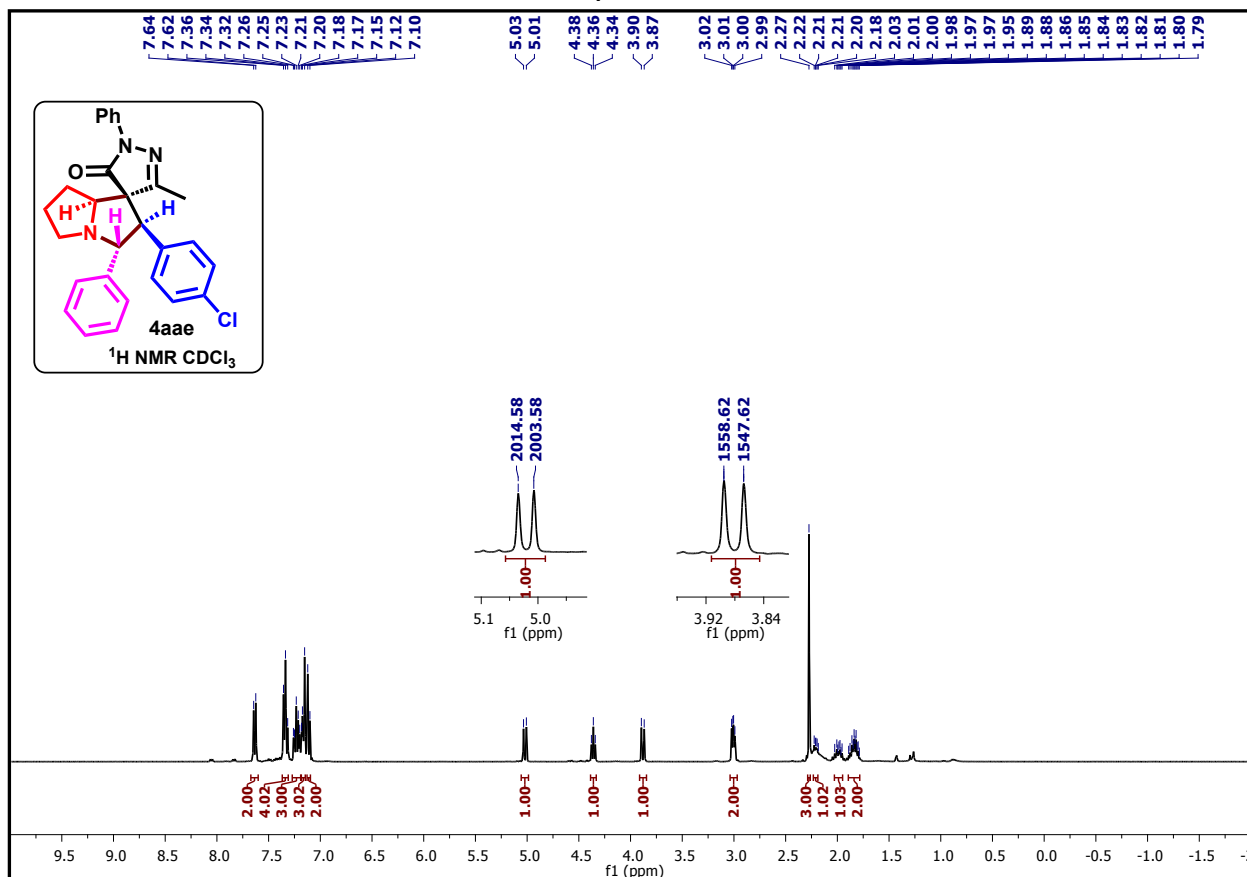
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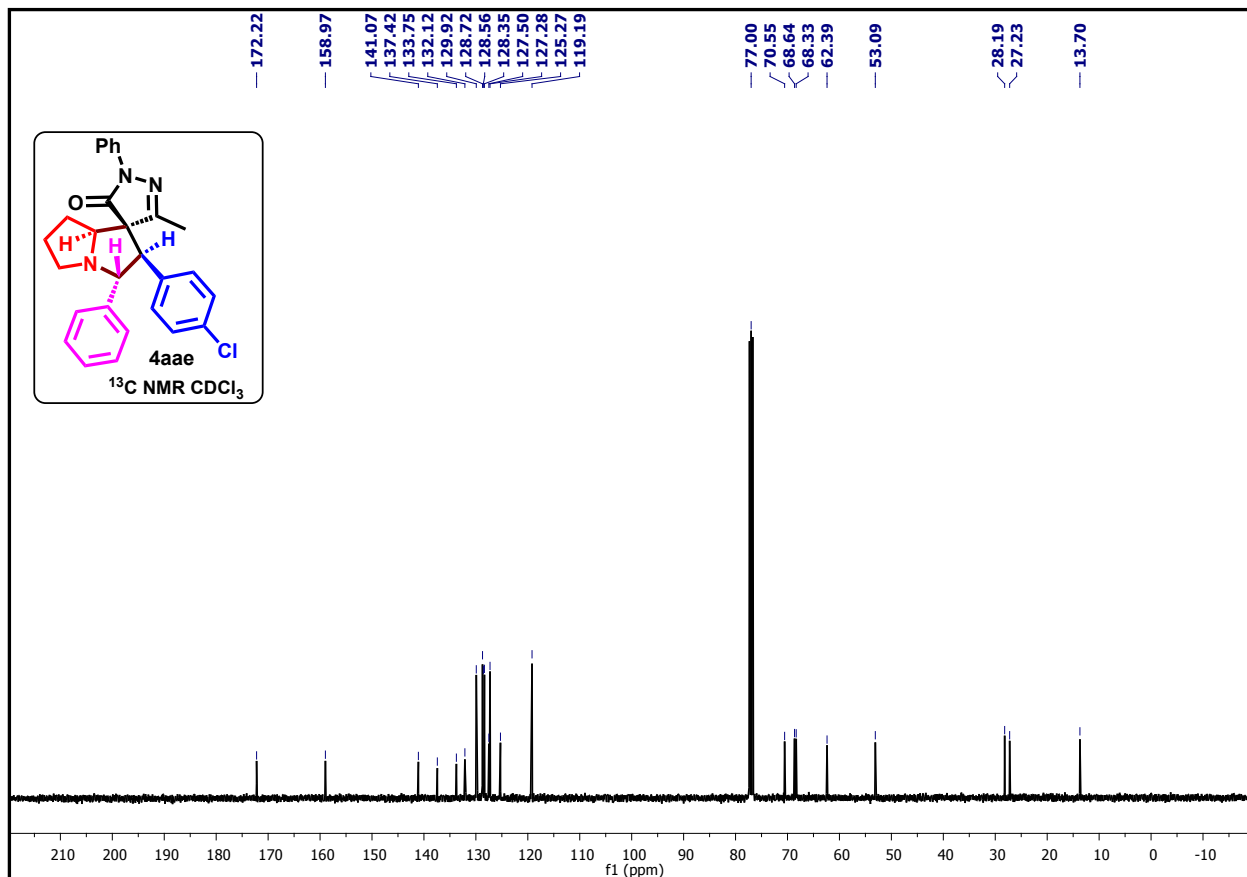
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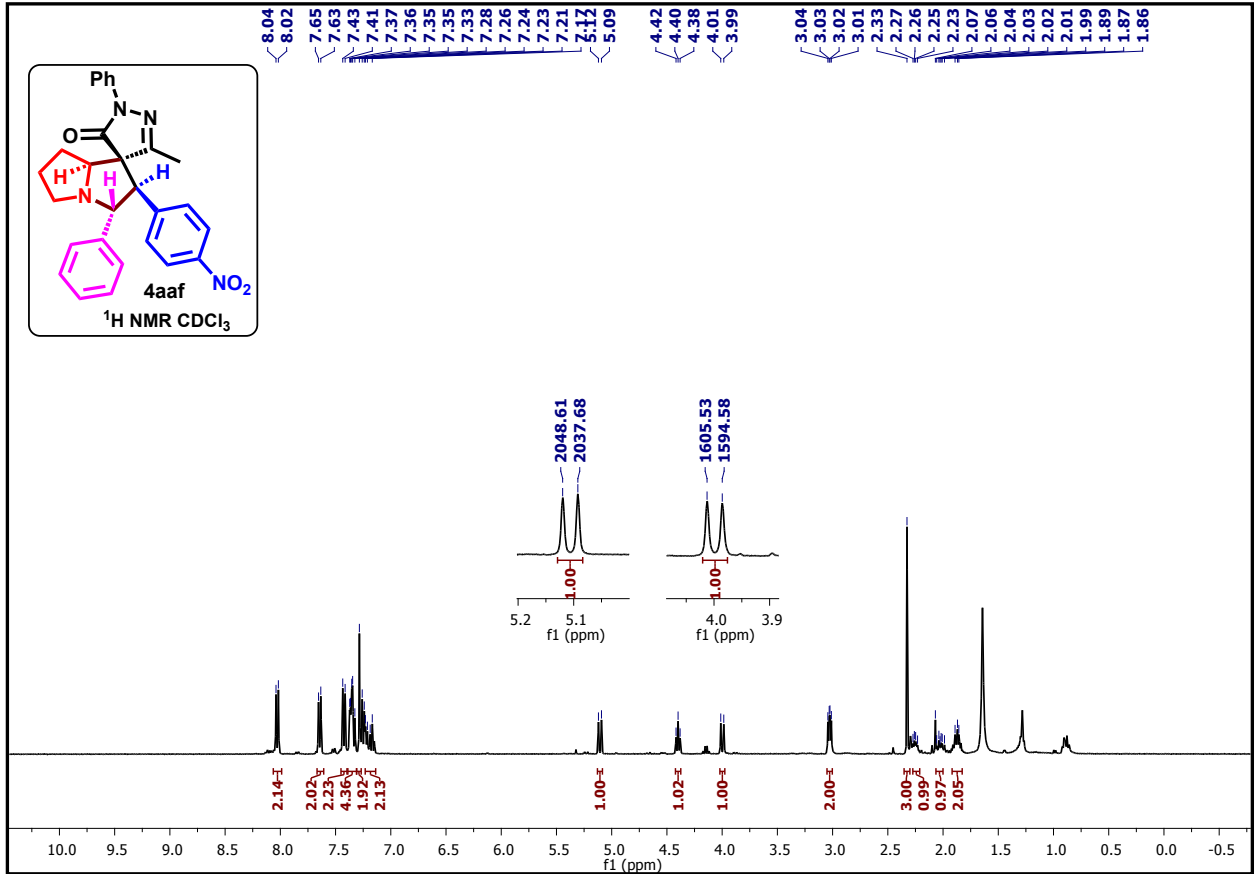
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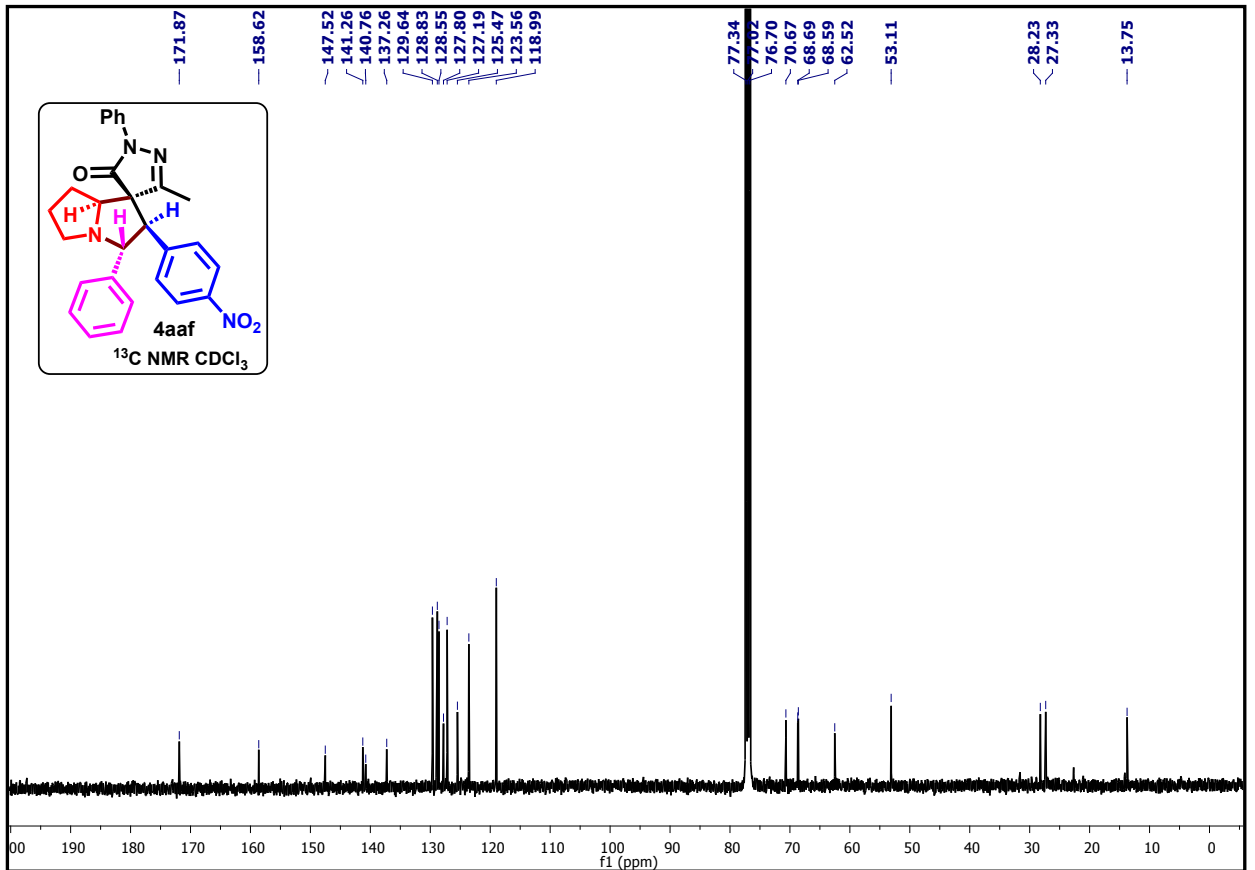
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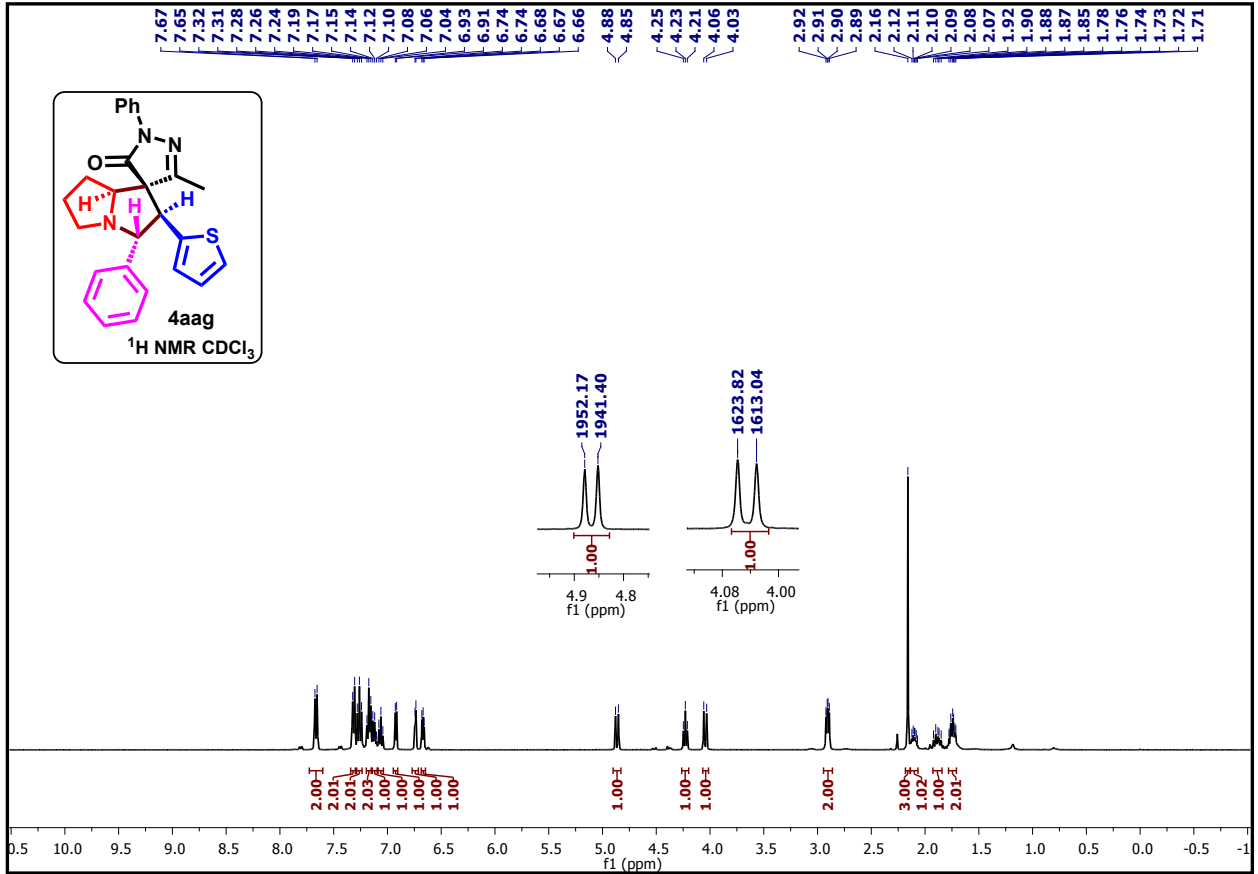
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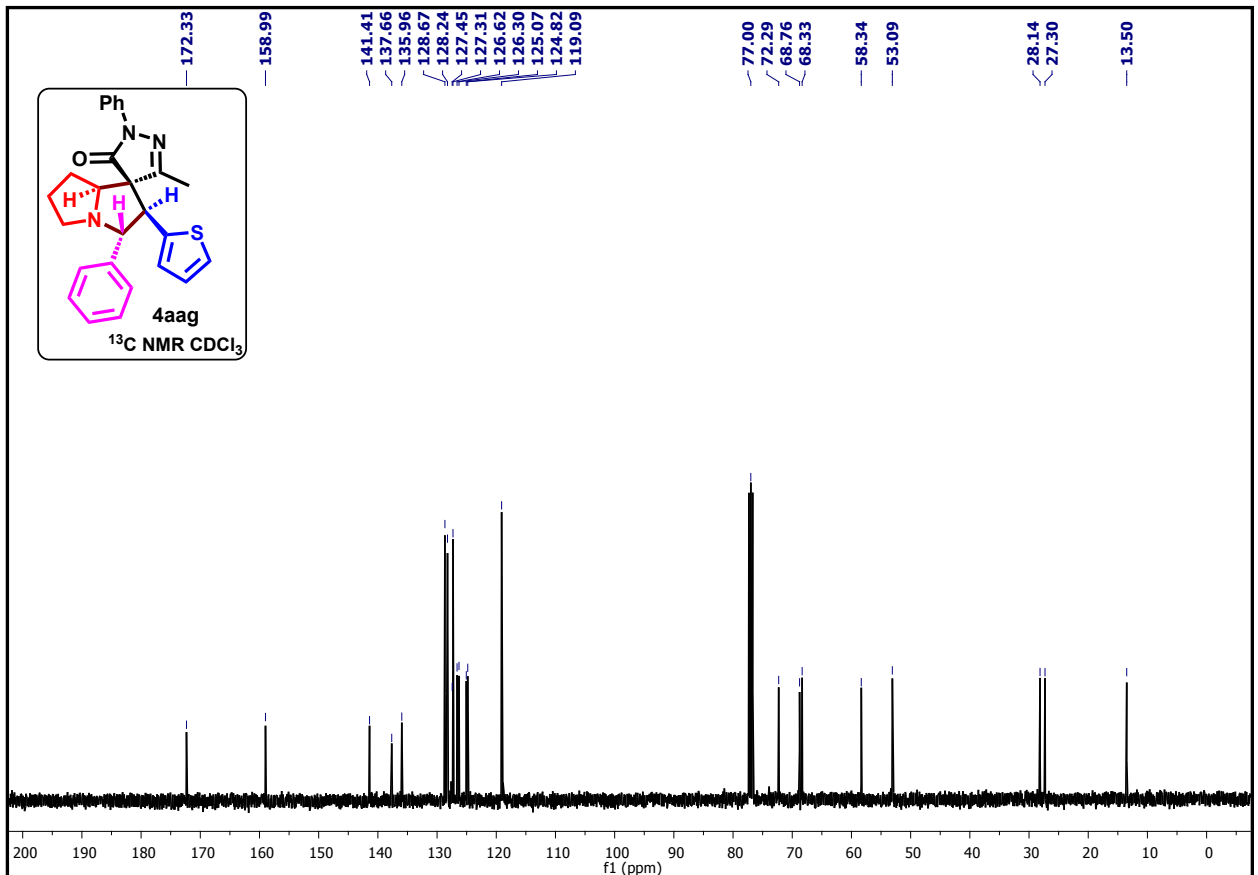
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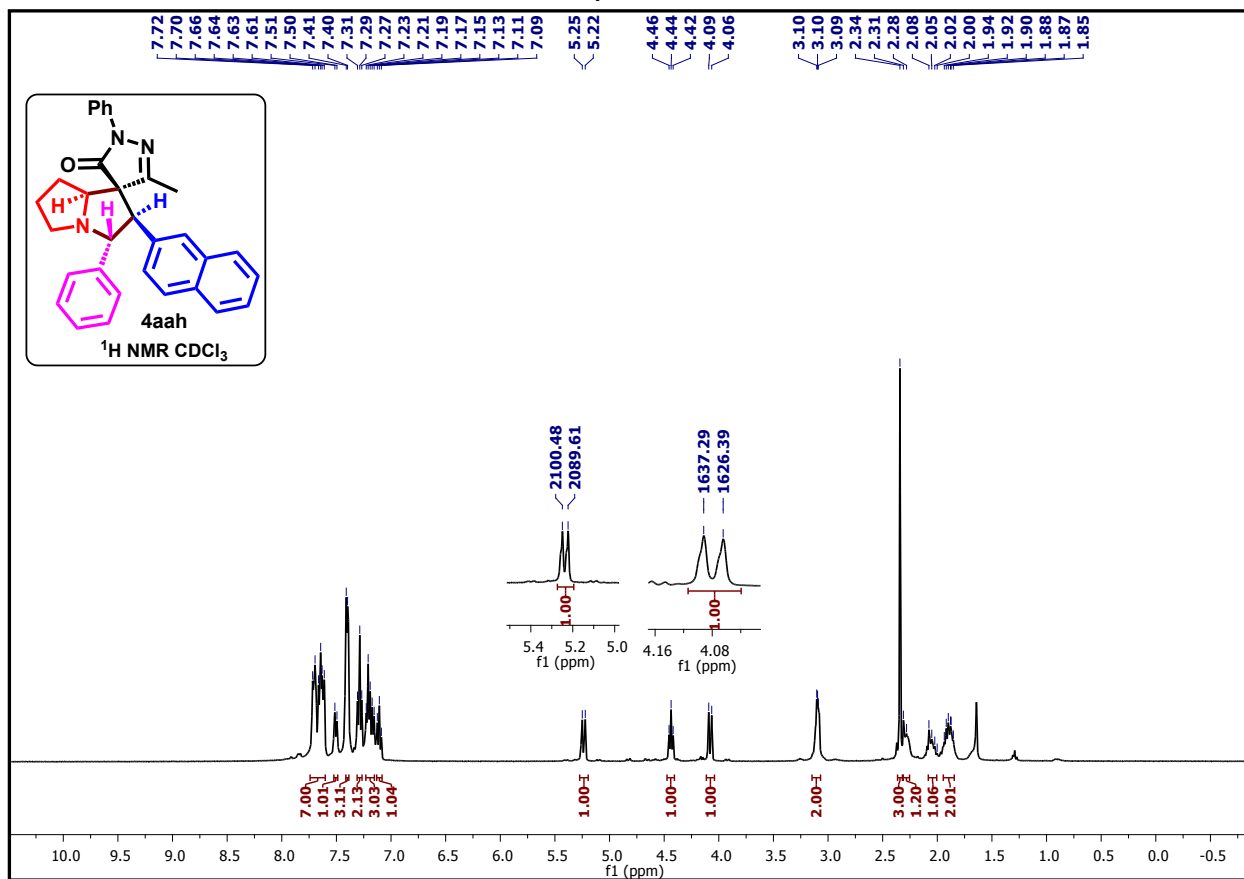
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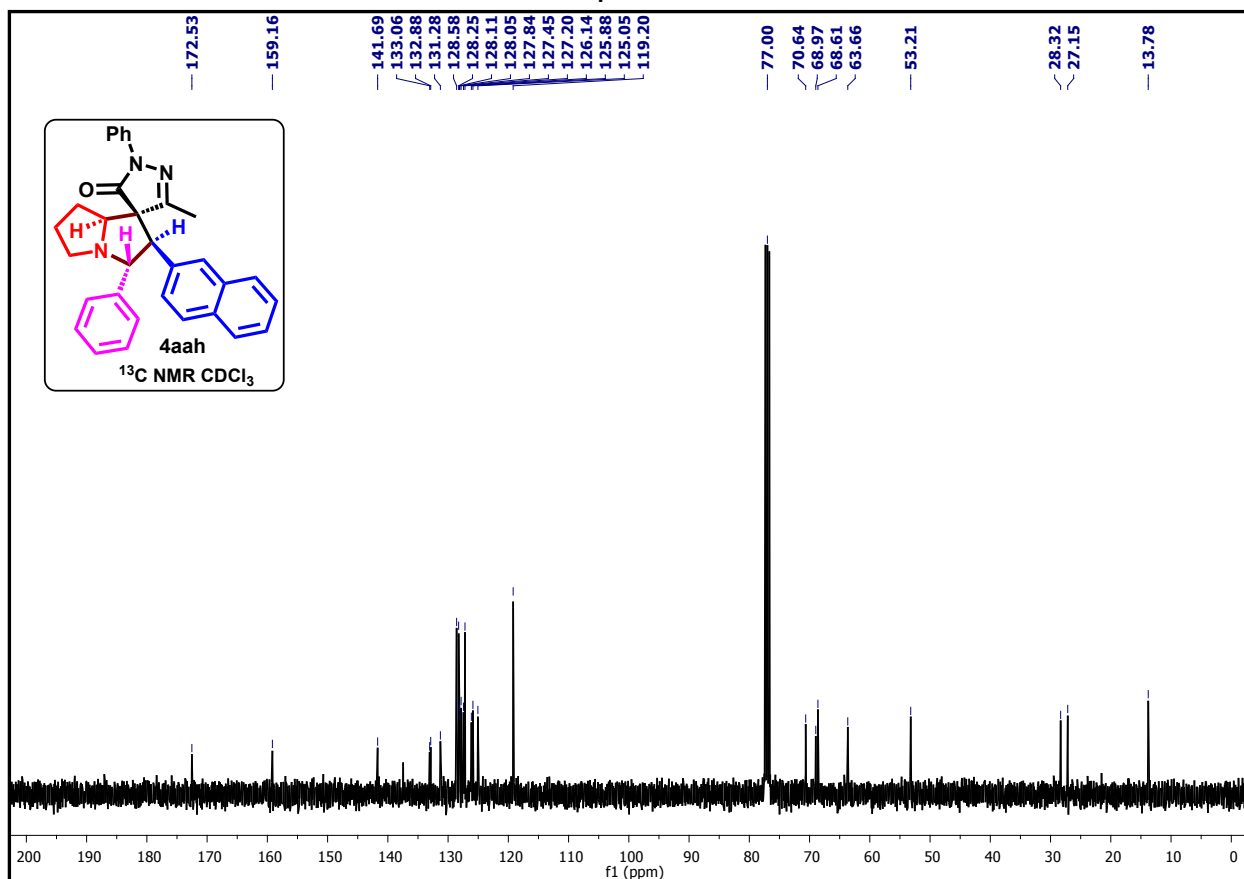
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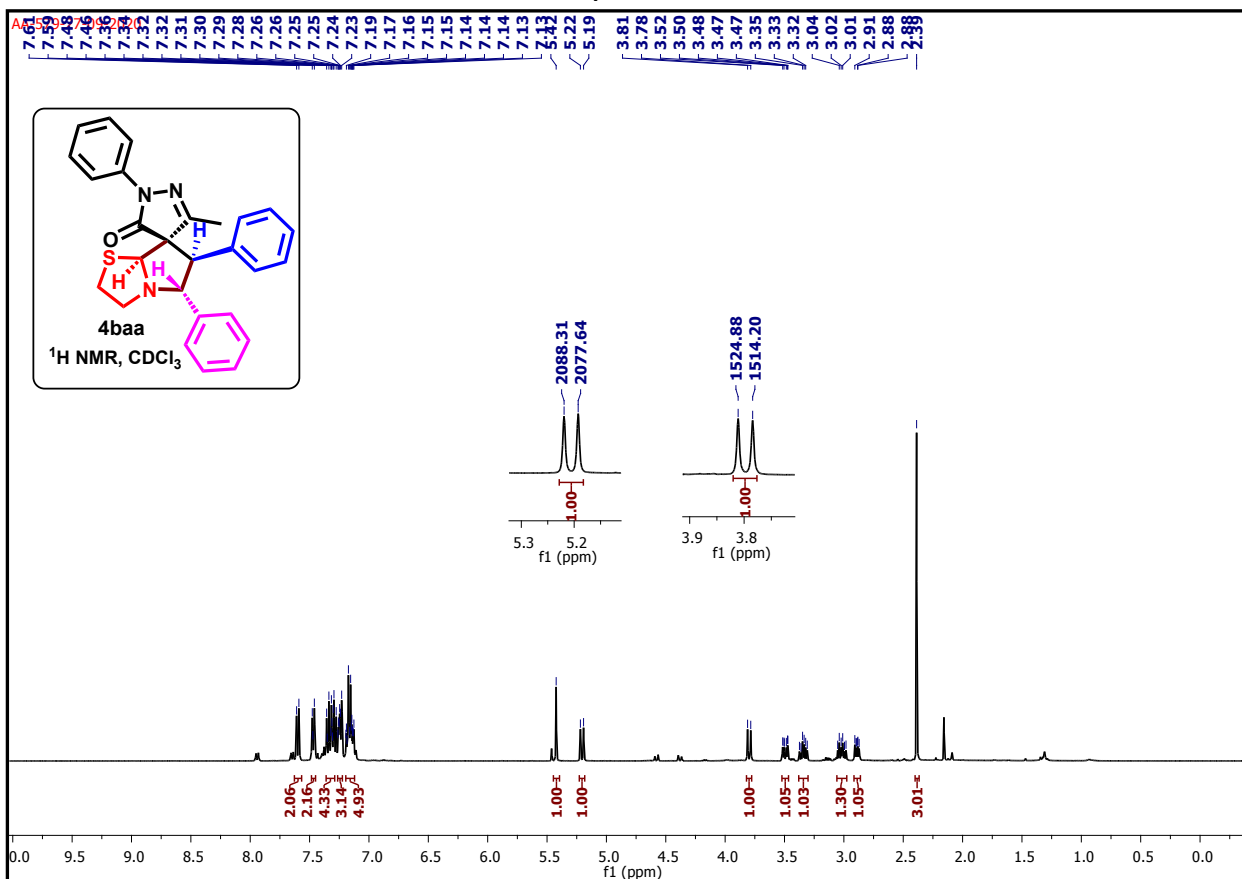
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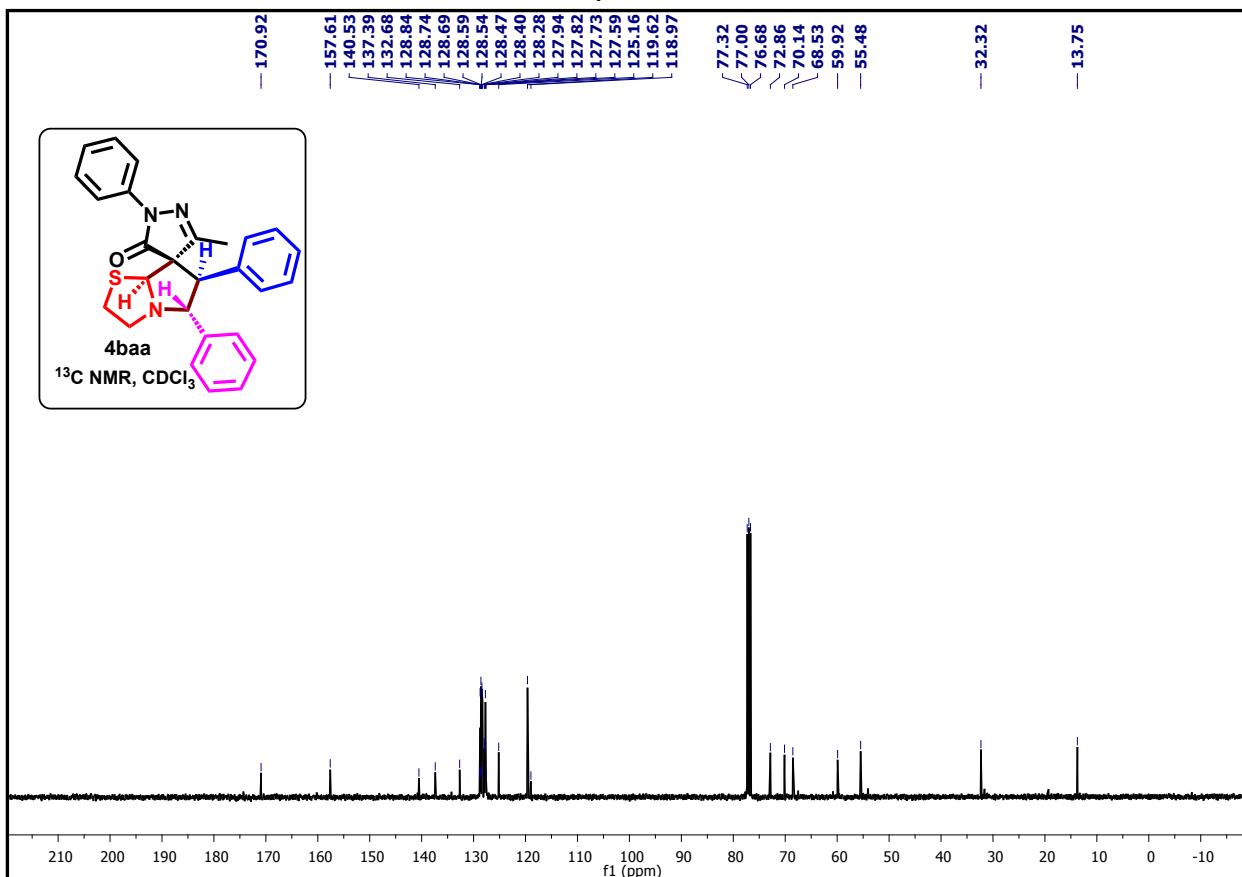
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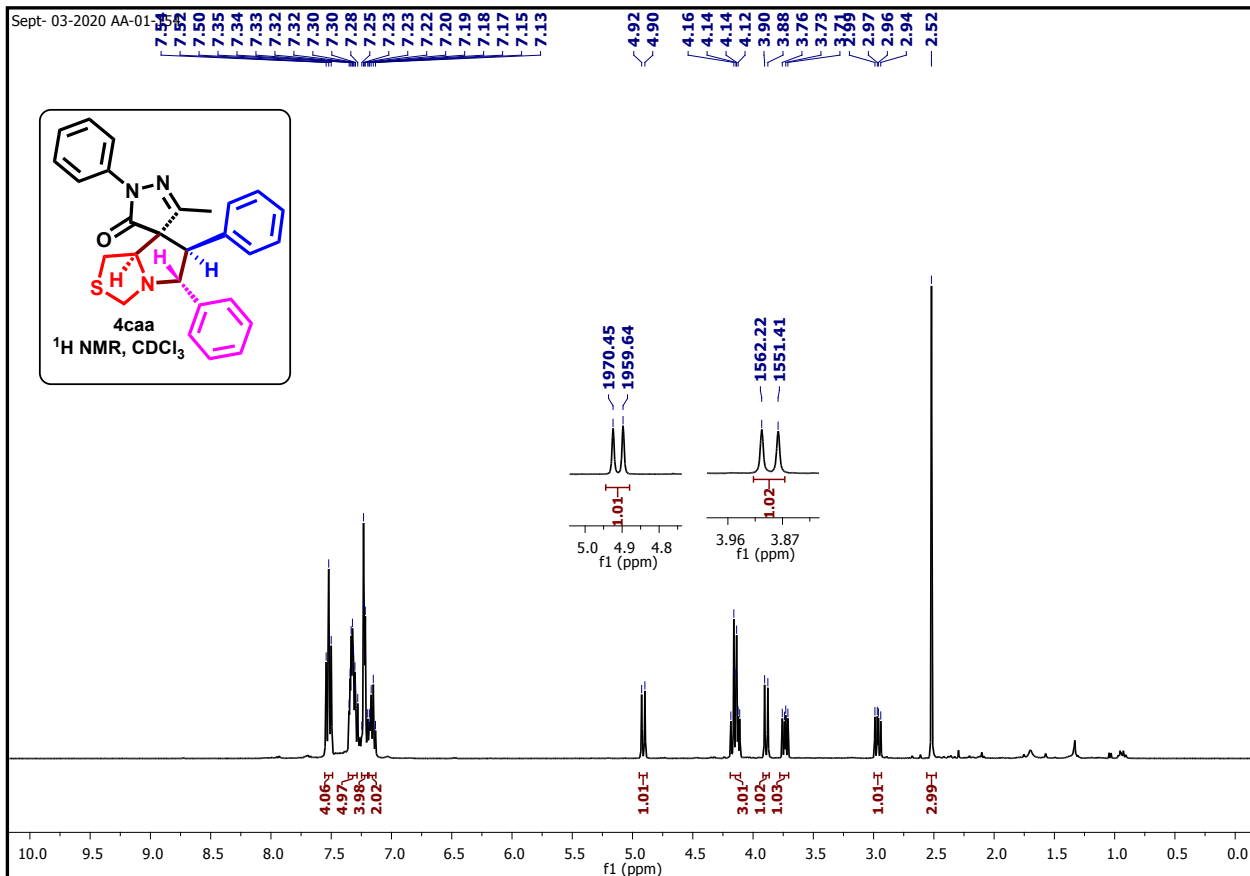
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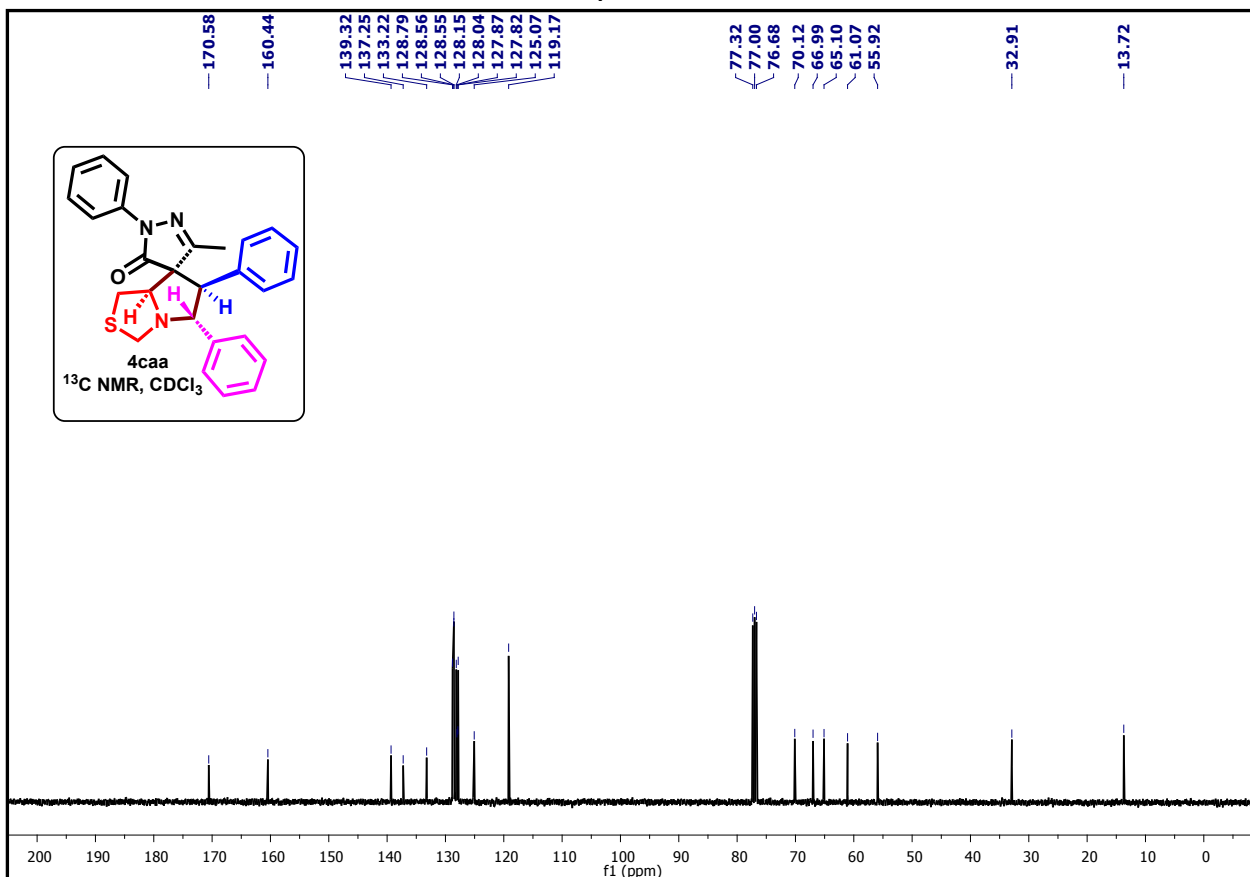
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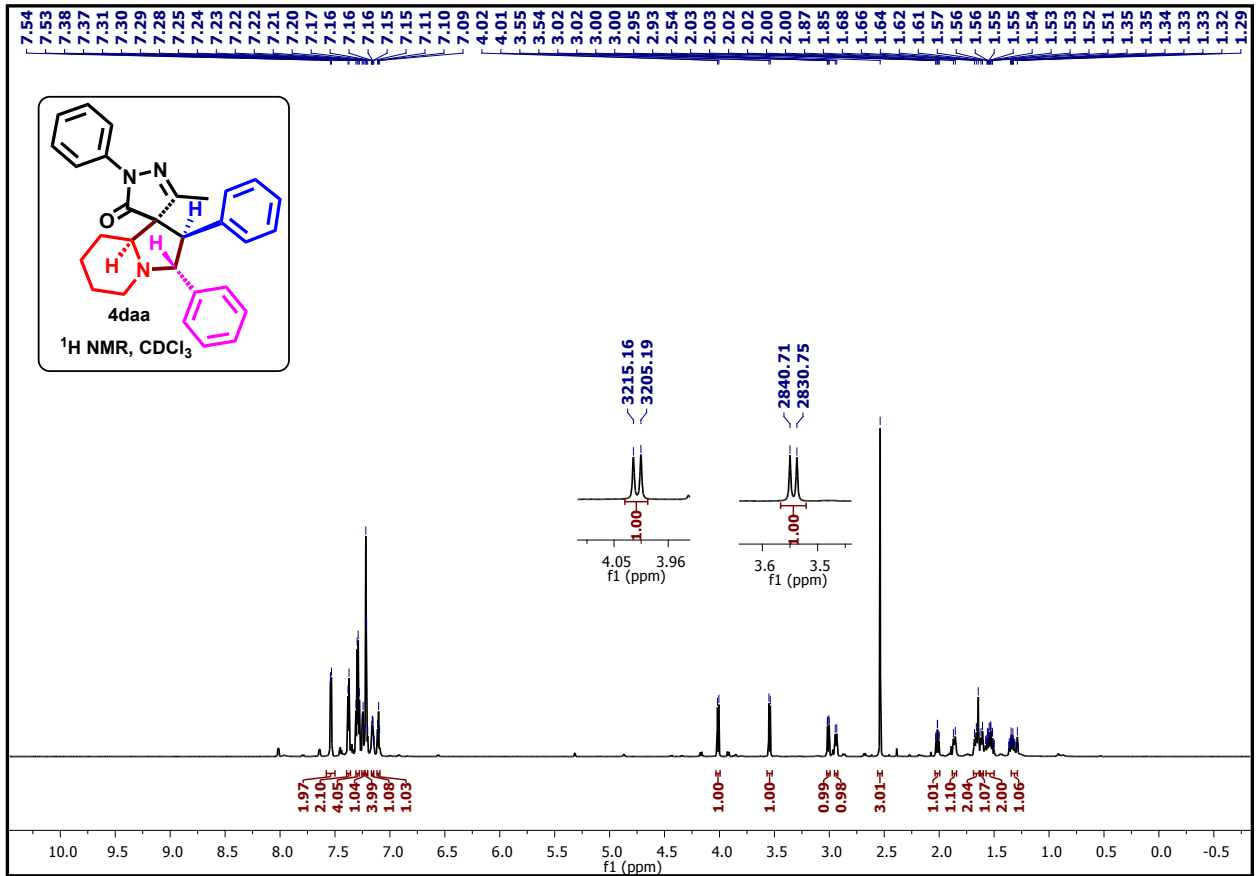
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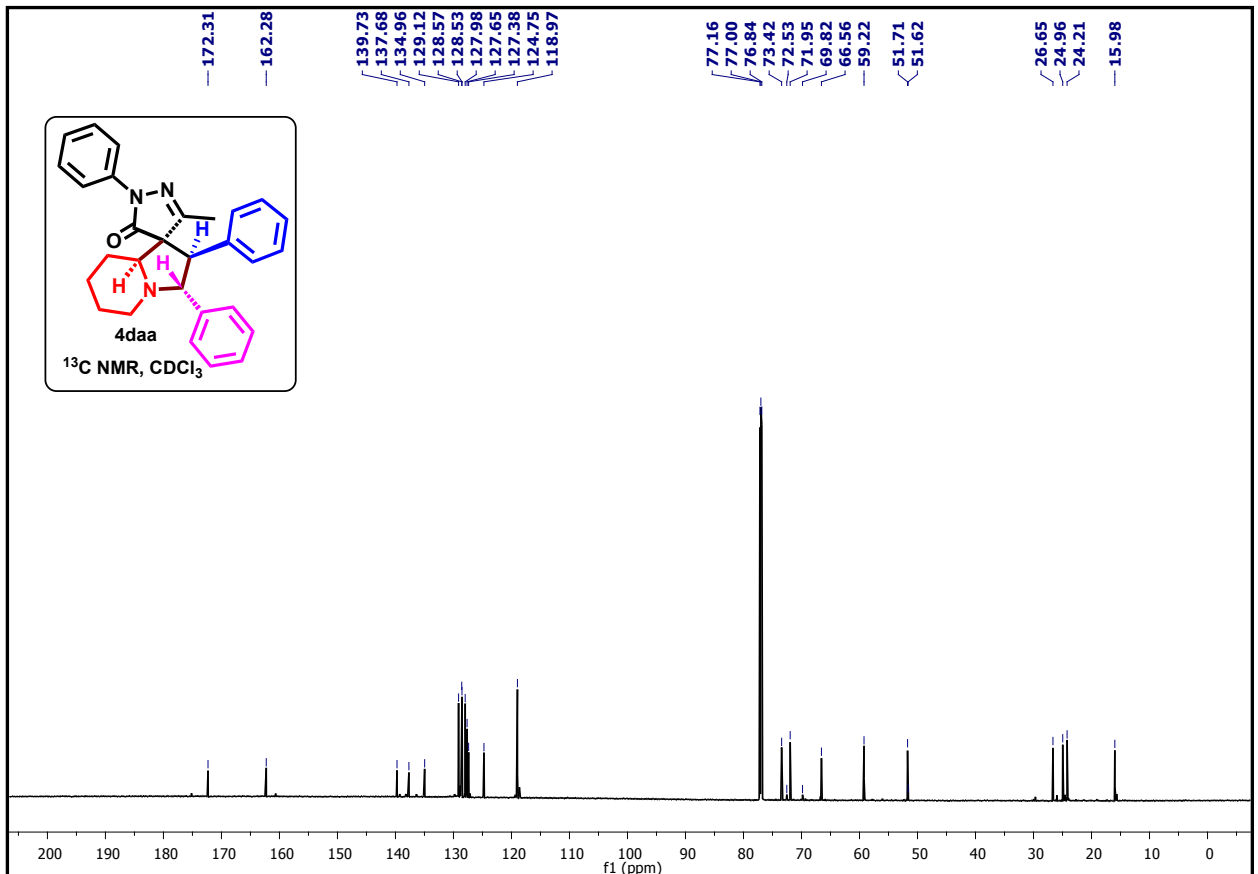
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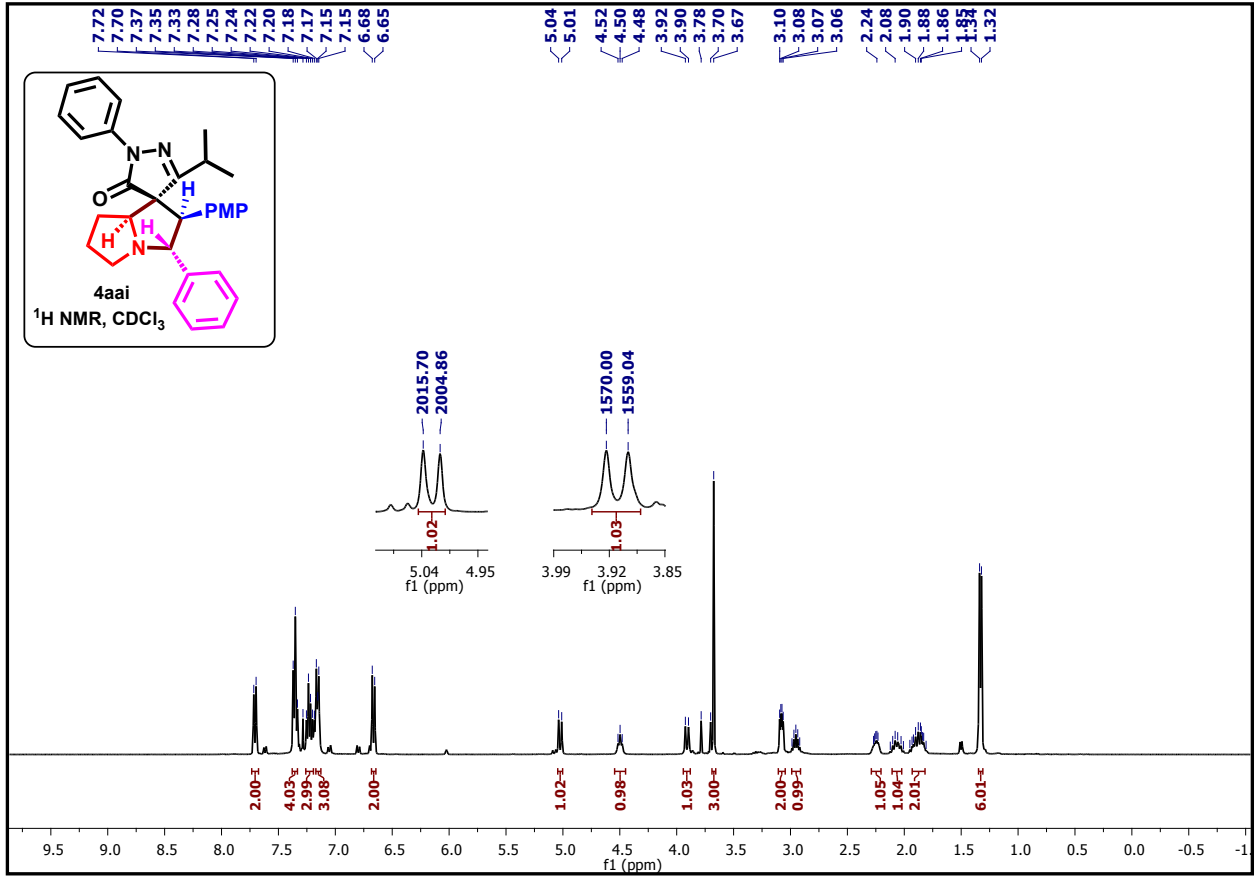
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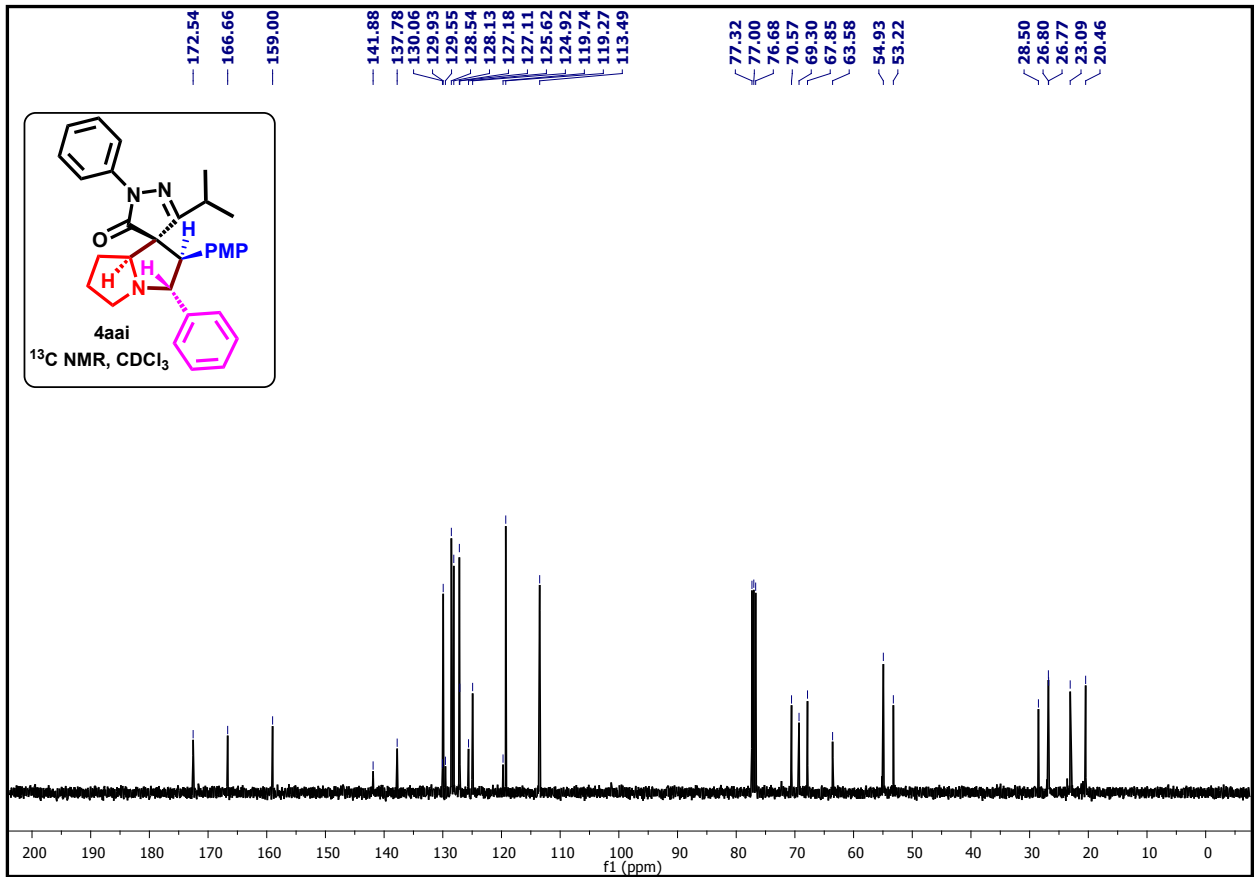
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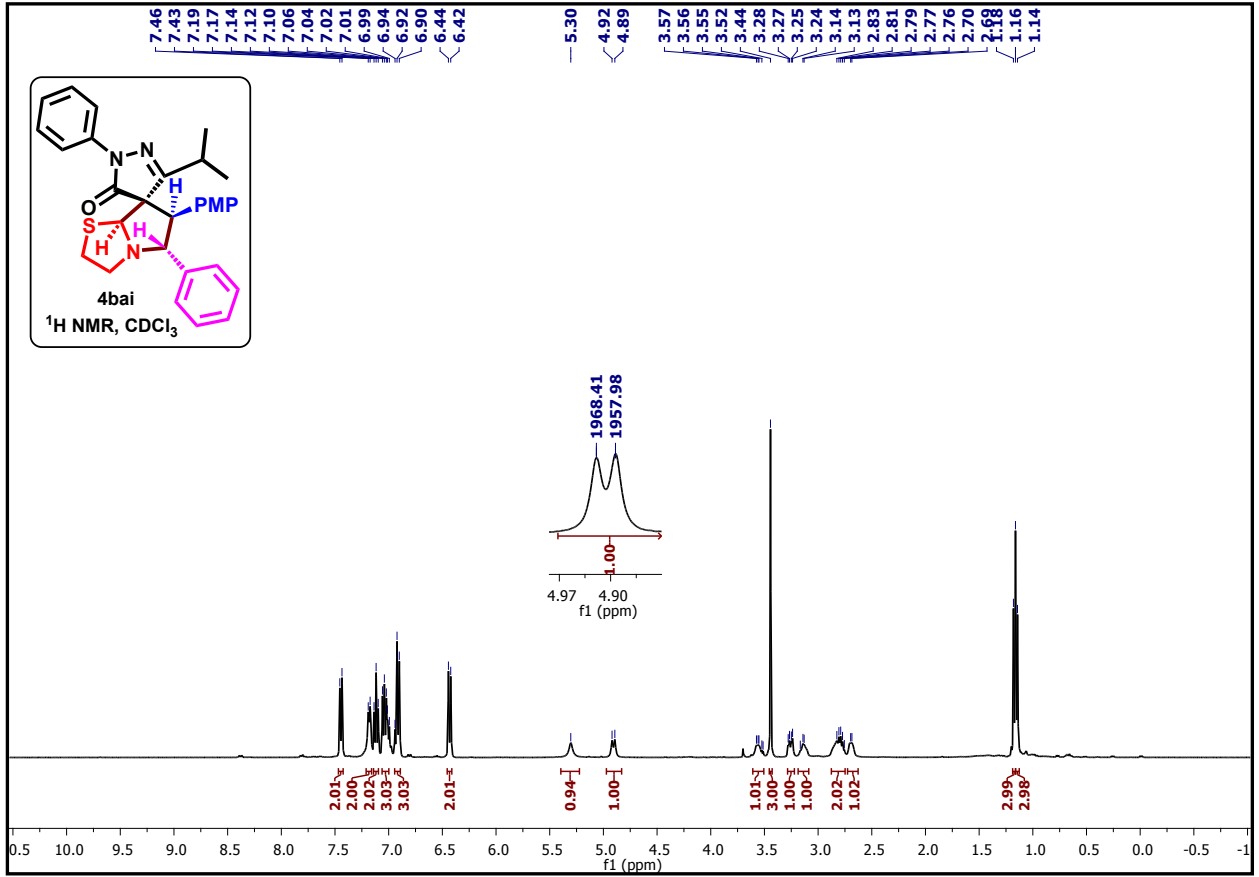
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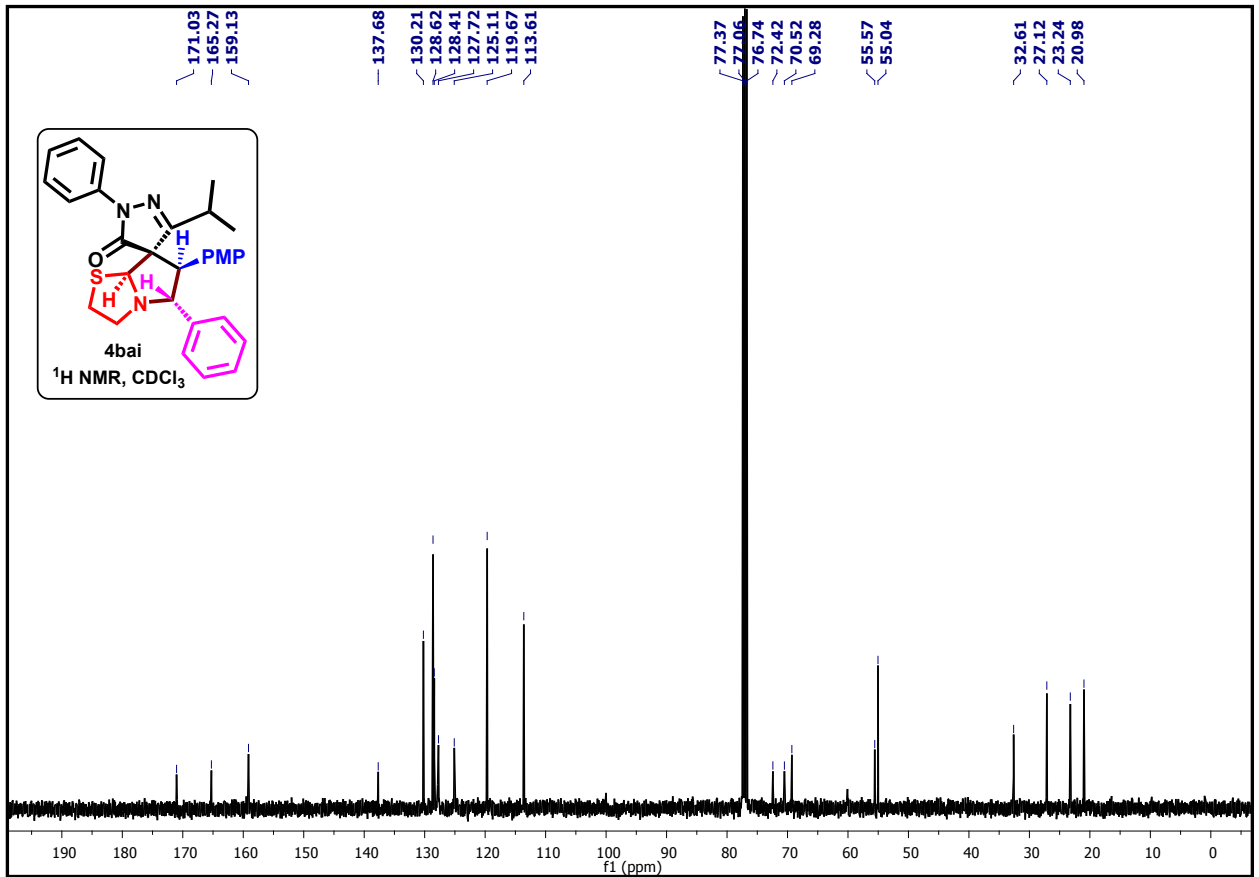
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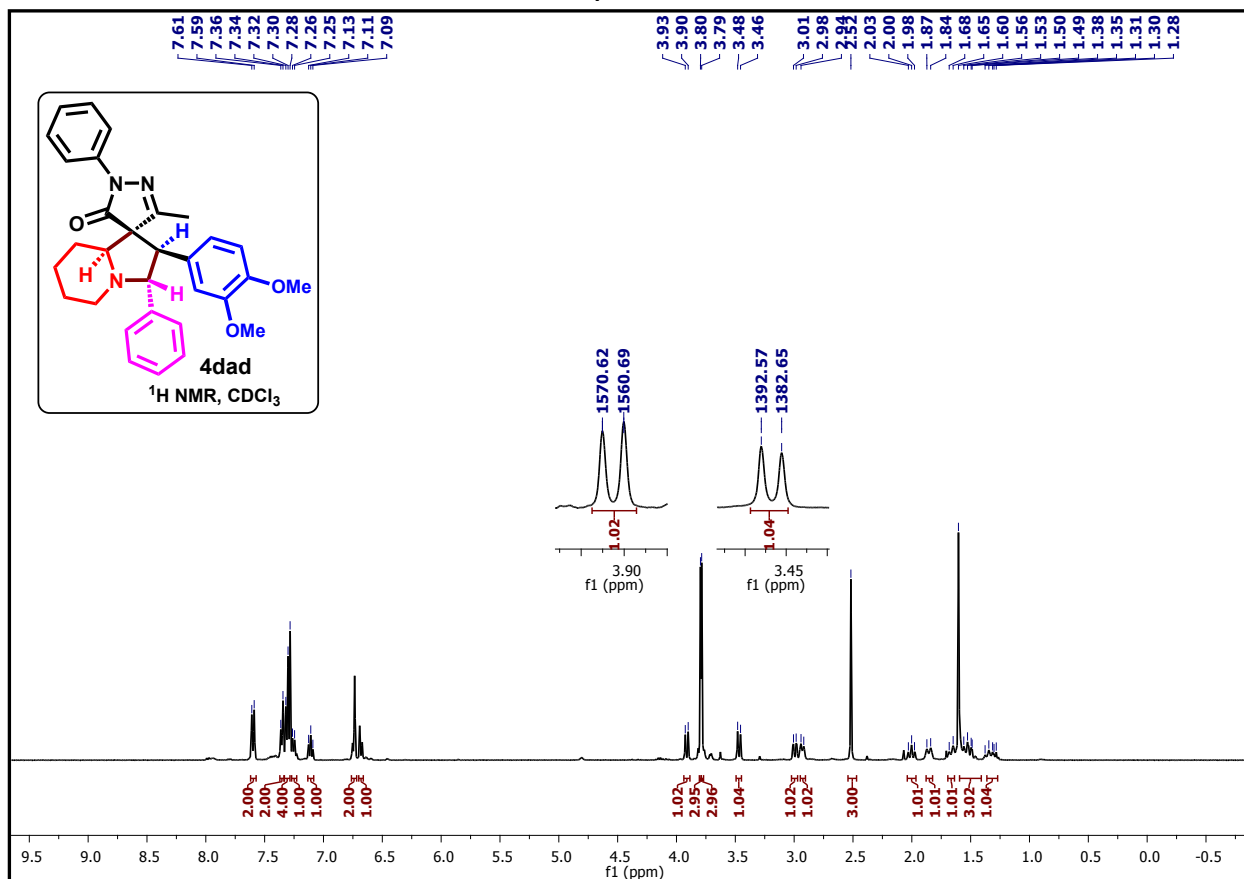
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¹³C NMR spectra of 4bai



¹H NMR spectra of 4dad



¹³C NMR spectra of 4dad

