

Supporting Information

Oxidative cascade cyclization of *N*-arylacrylamides with TMSN₃

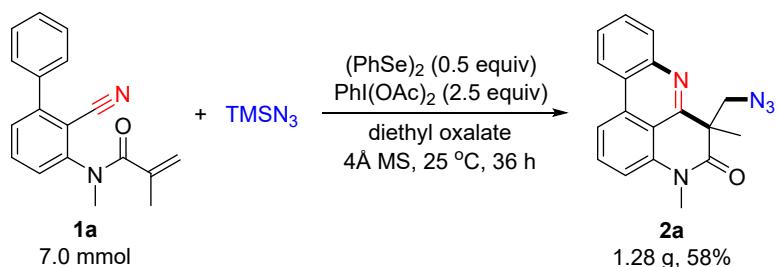
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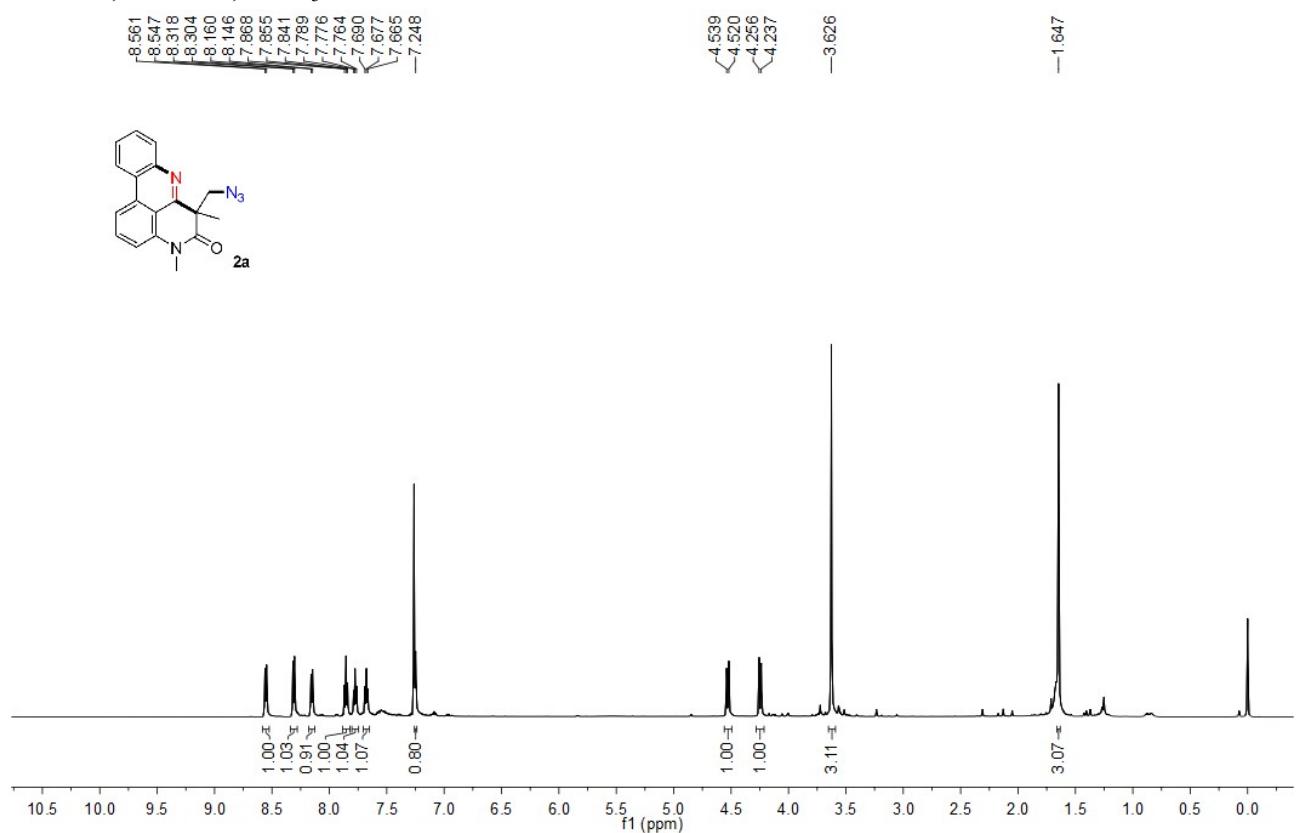
1. Gram-scale synthesis



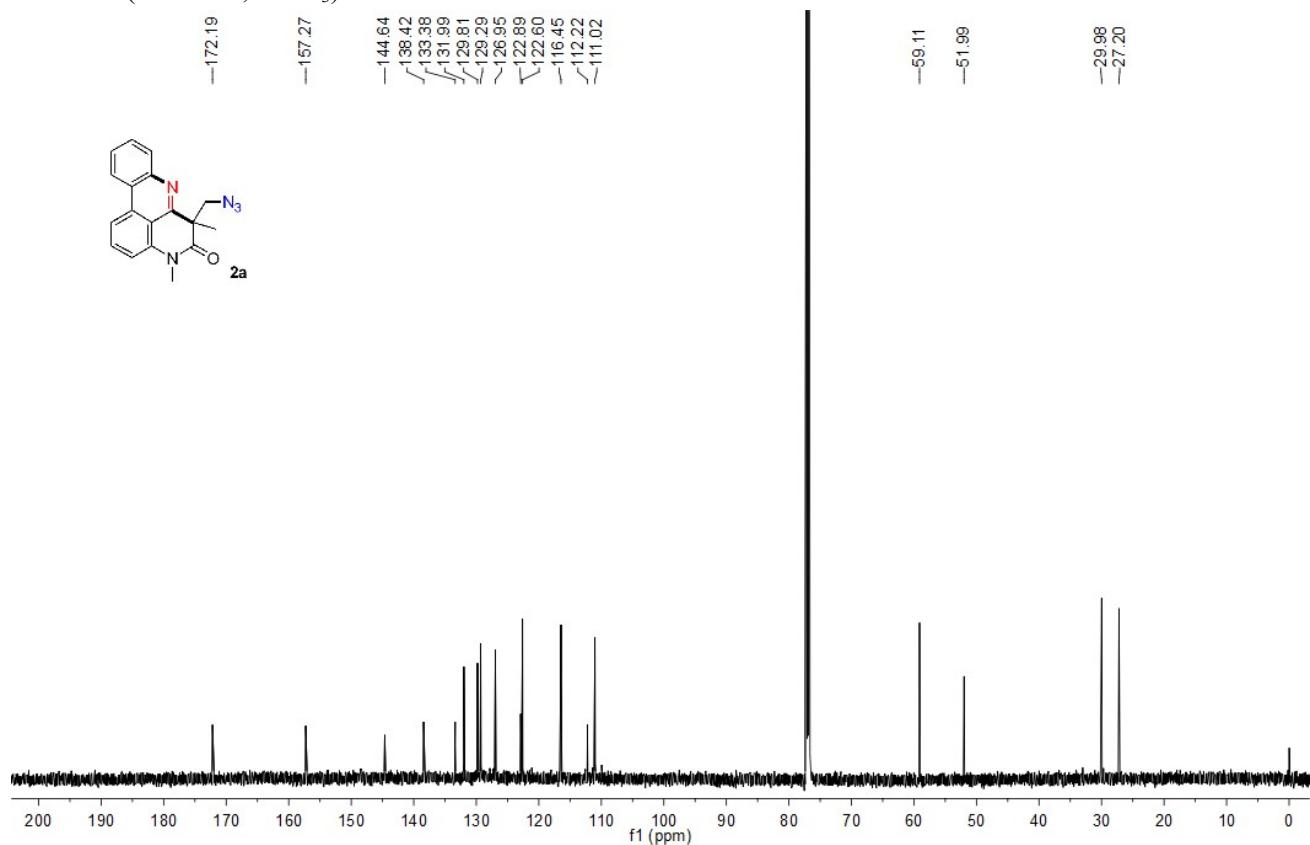
In a 250 mL oven-dried flask, acrylamide **1a** (7.0 mmol), $(\text{PhSe})_2$ (3.5 mmol, 1.09 g), $\text{PhI}(\text{OAc})_2$ (17.5 mmol, 5.64 g) and 4 Å MS (5.2 g) were added and charged with argon three times. Then, diethyl oxalate (105.0 mL) was added. After stirring at 25 °C for 30 minutes, TMSN_3 (24.5 mmol, 2.82 g) was added dropwise. The mixture was allowed to stir at 25 °C for 36 hours. After the reaction was complete, the mixture was concentrated by rotary evaporation and purified by flash chromatography on silica gel with petroleum ether/ethyl acetate (15/1, v/v) as the eluent to afford the corresponding product **2a** with 58% yield (1.28 g).

2. Charts of compounds

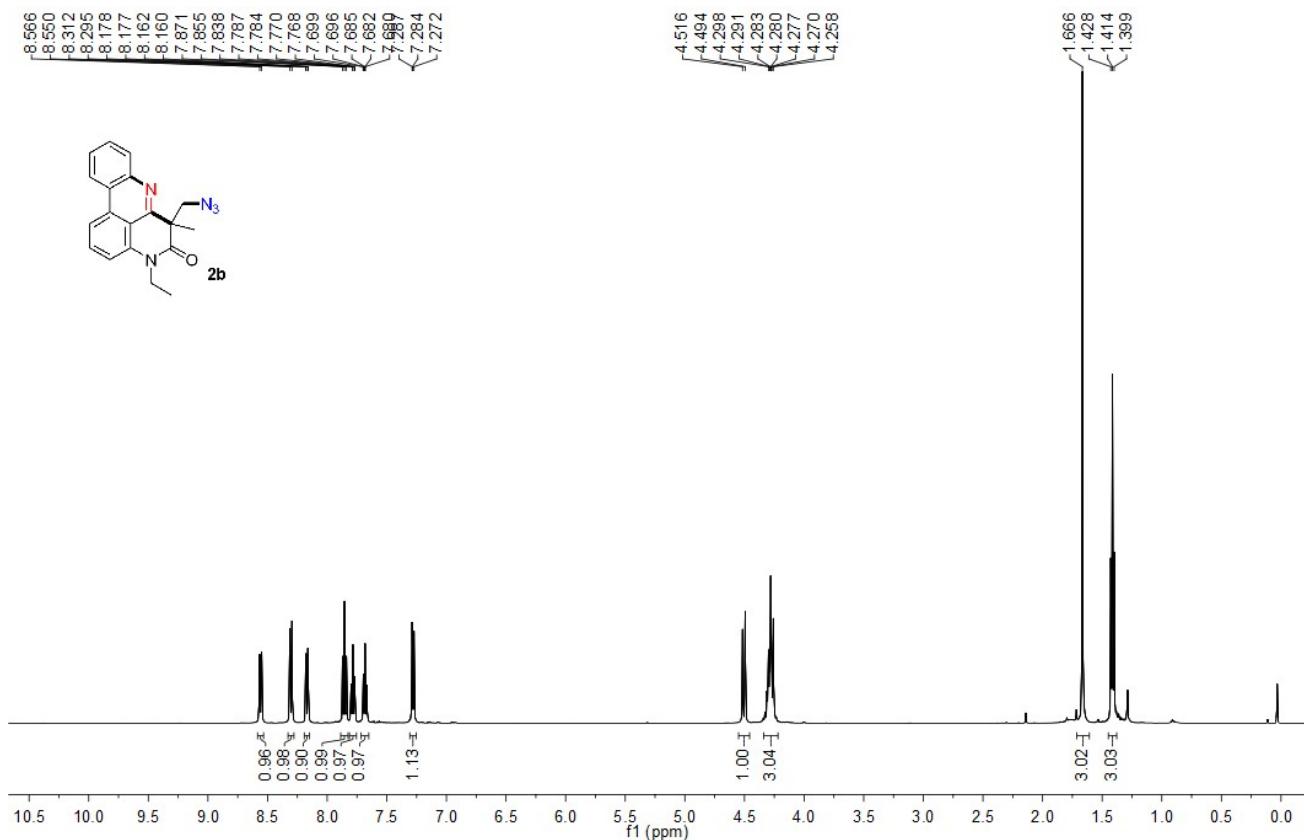
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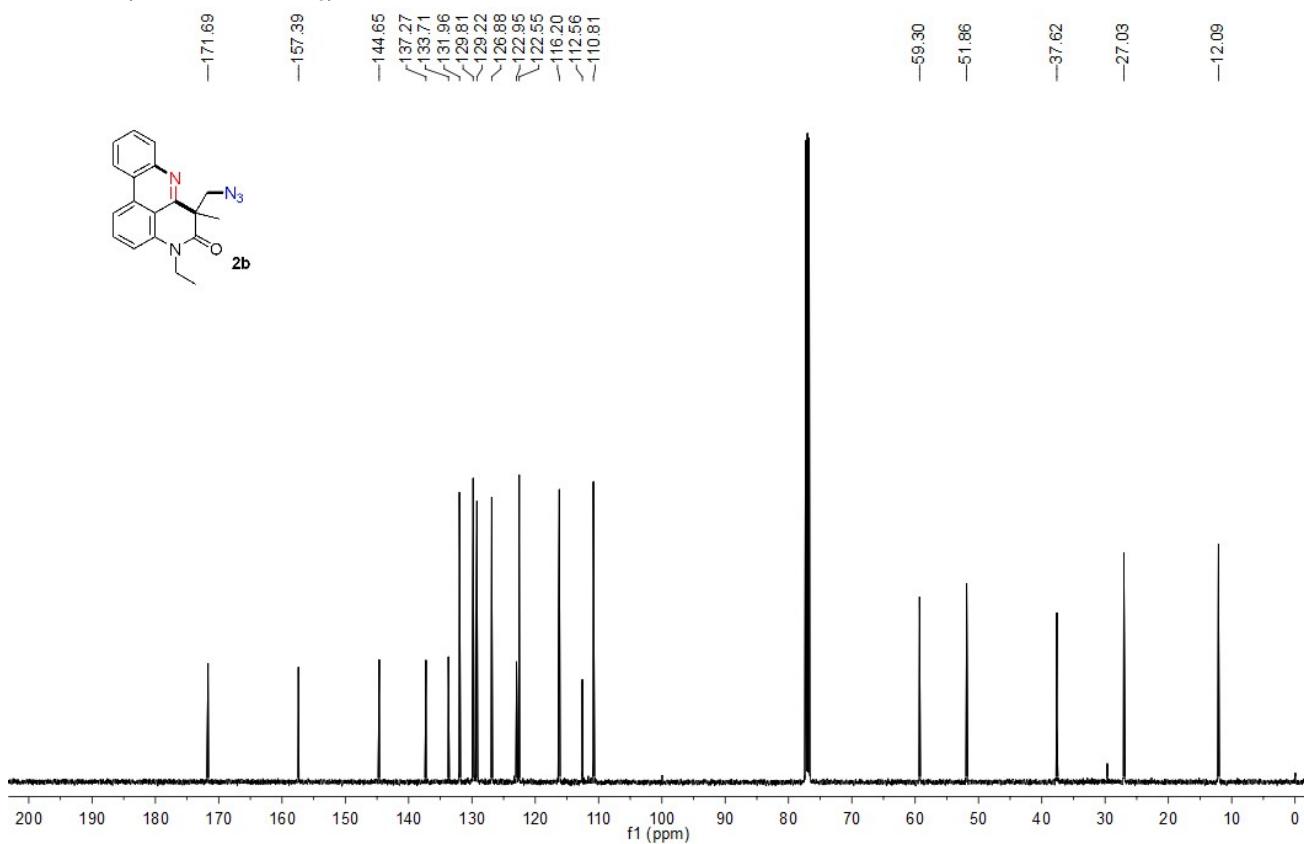
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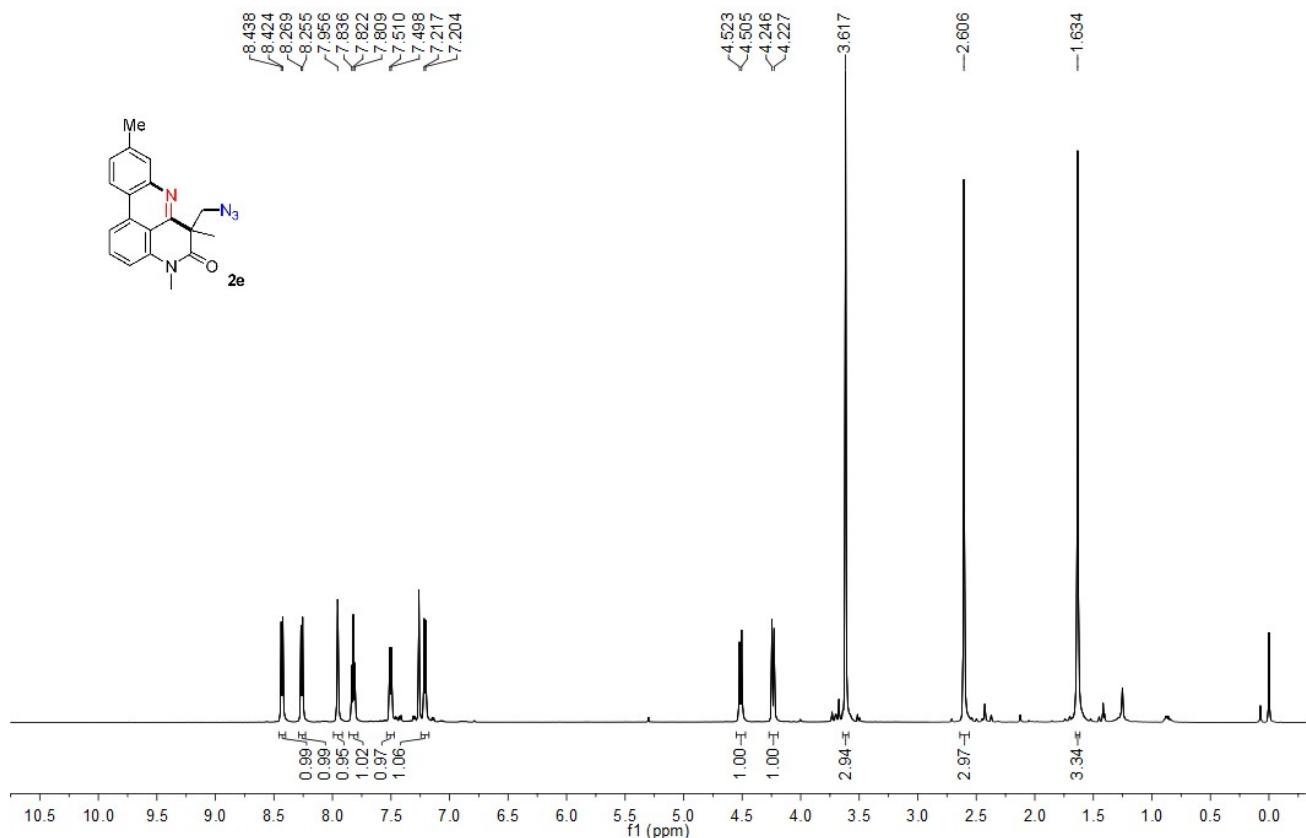
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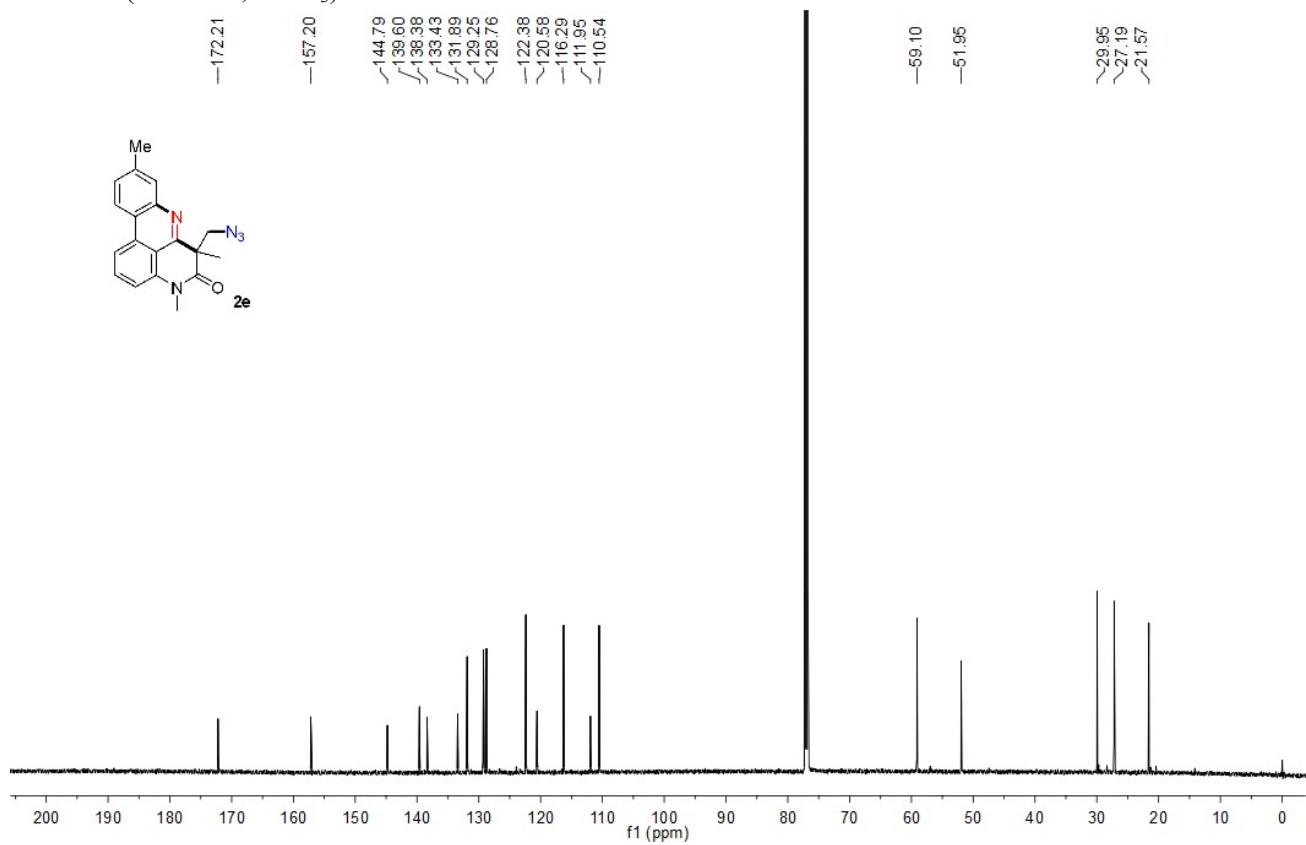
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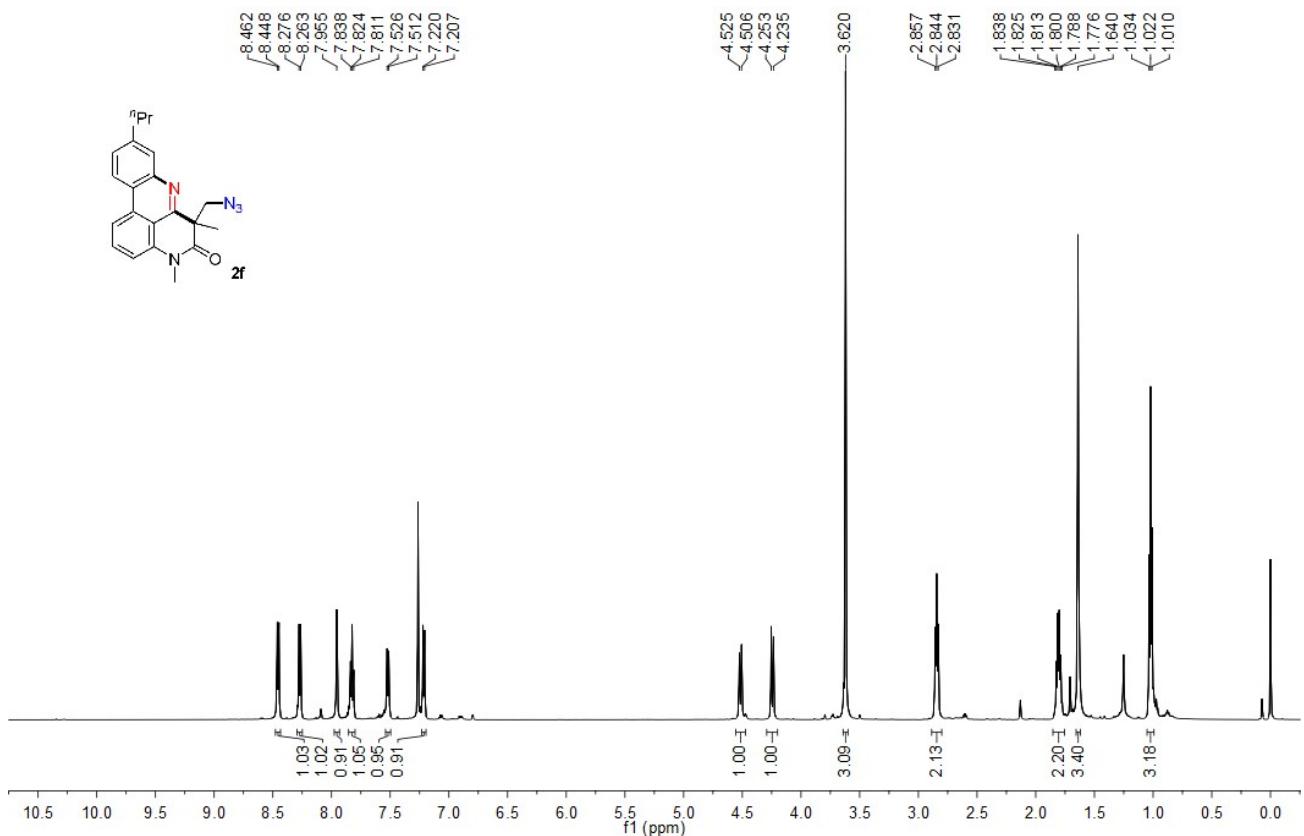
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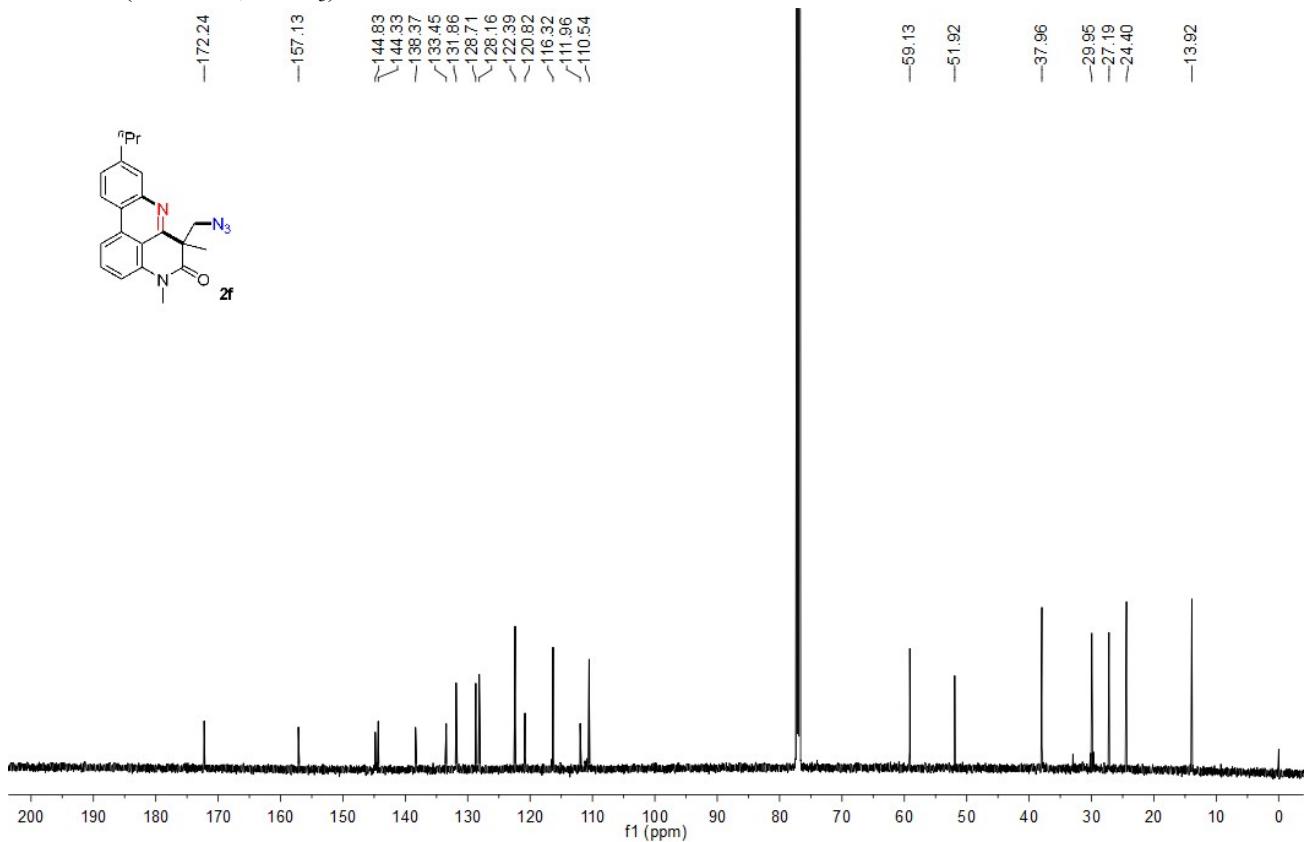
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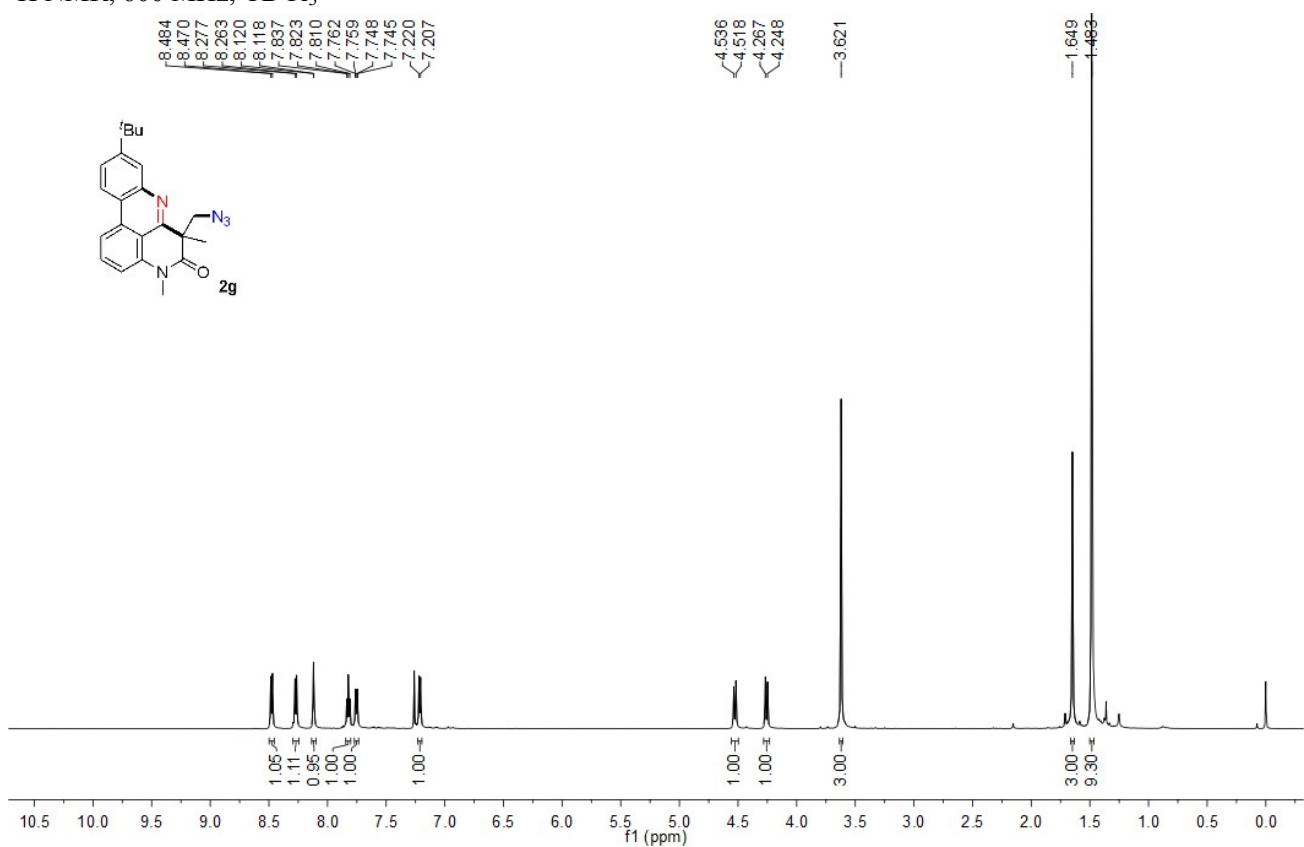
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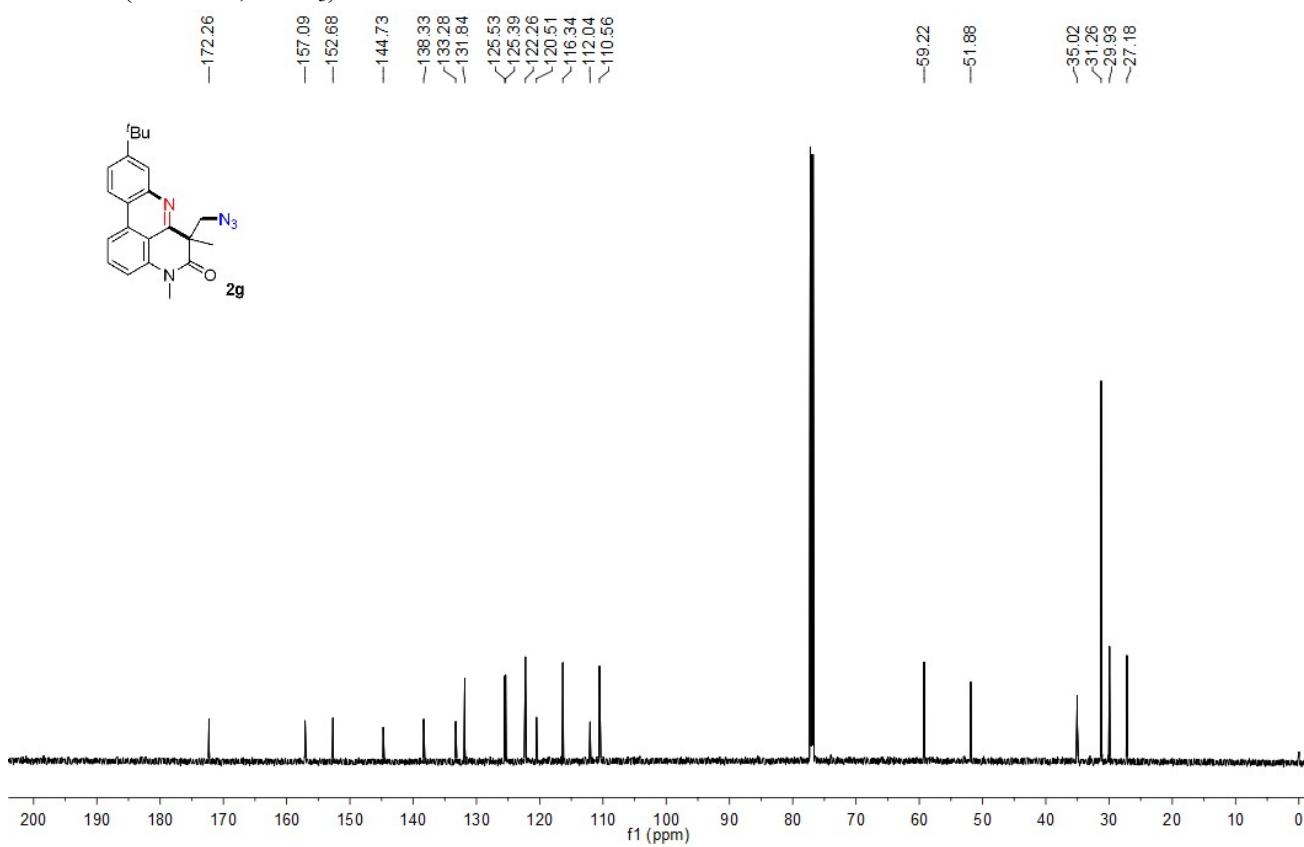
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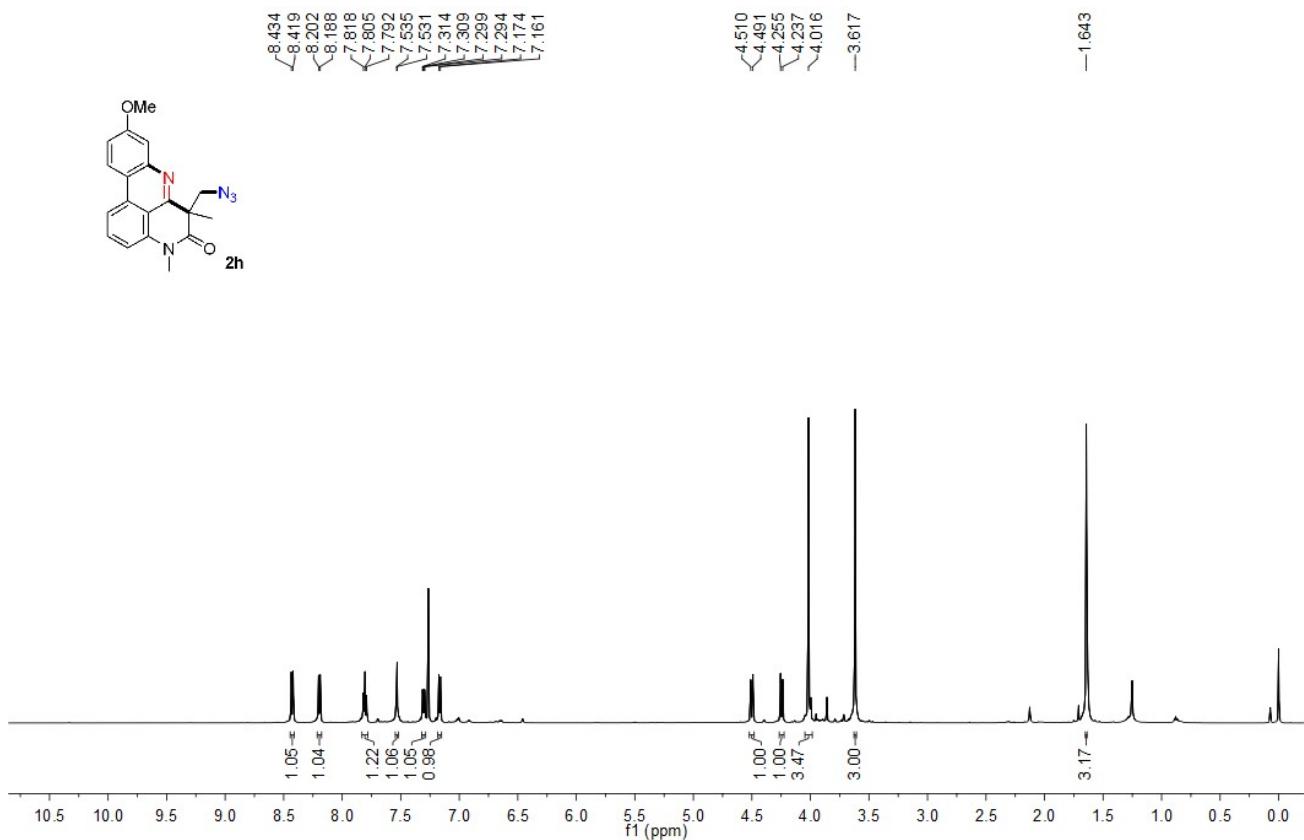
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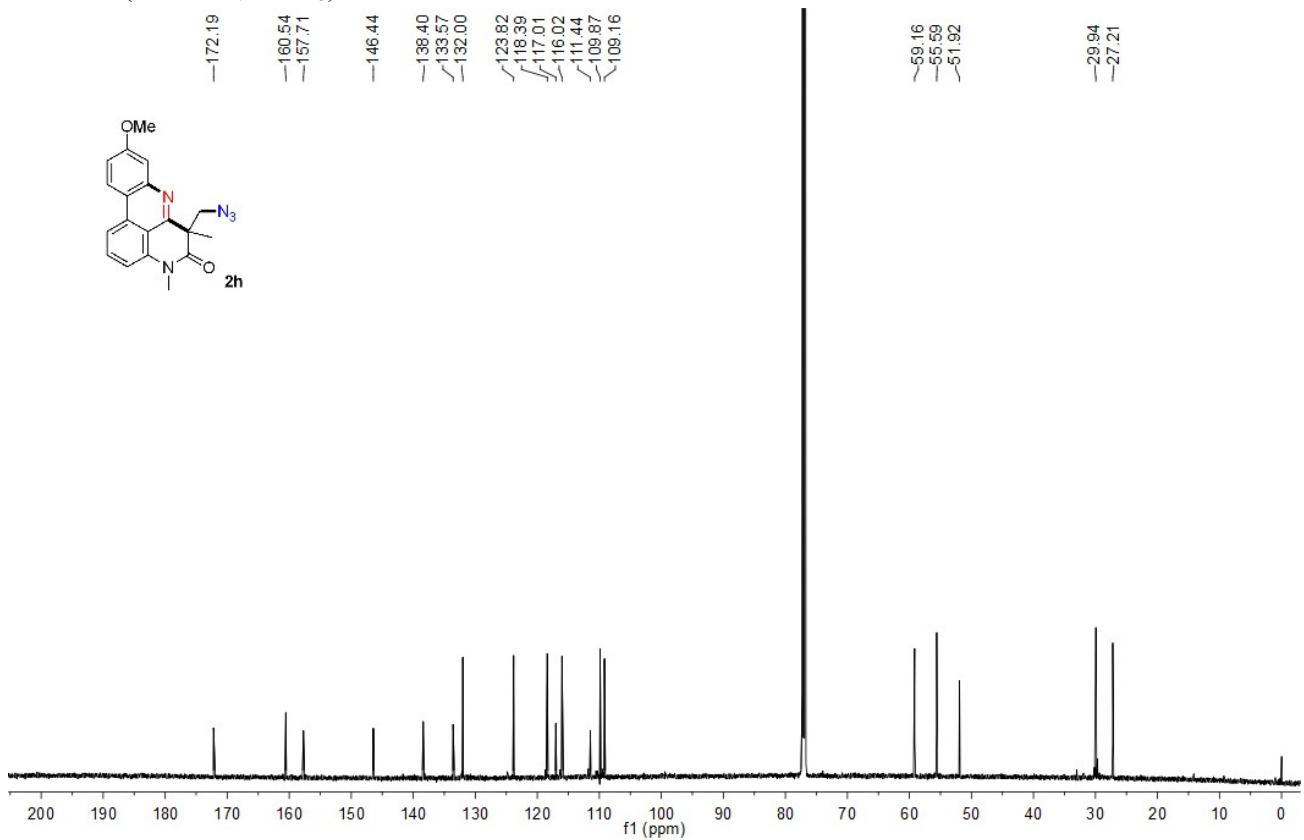
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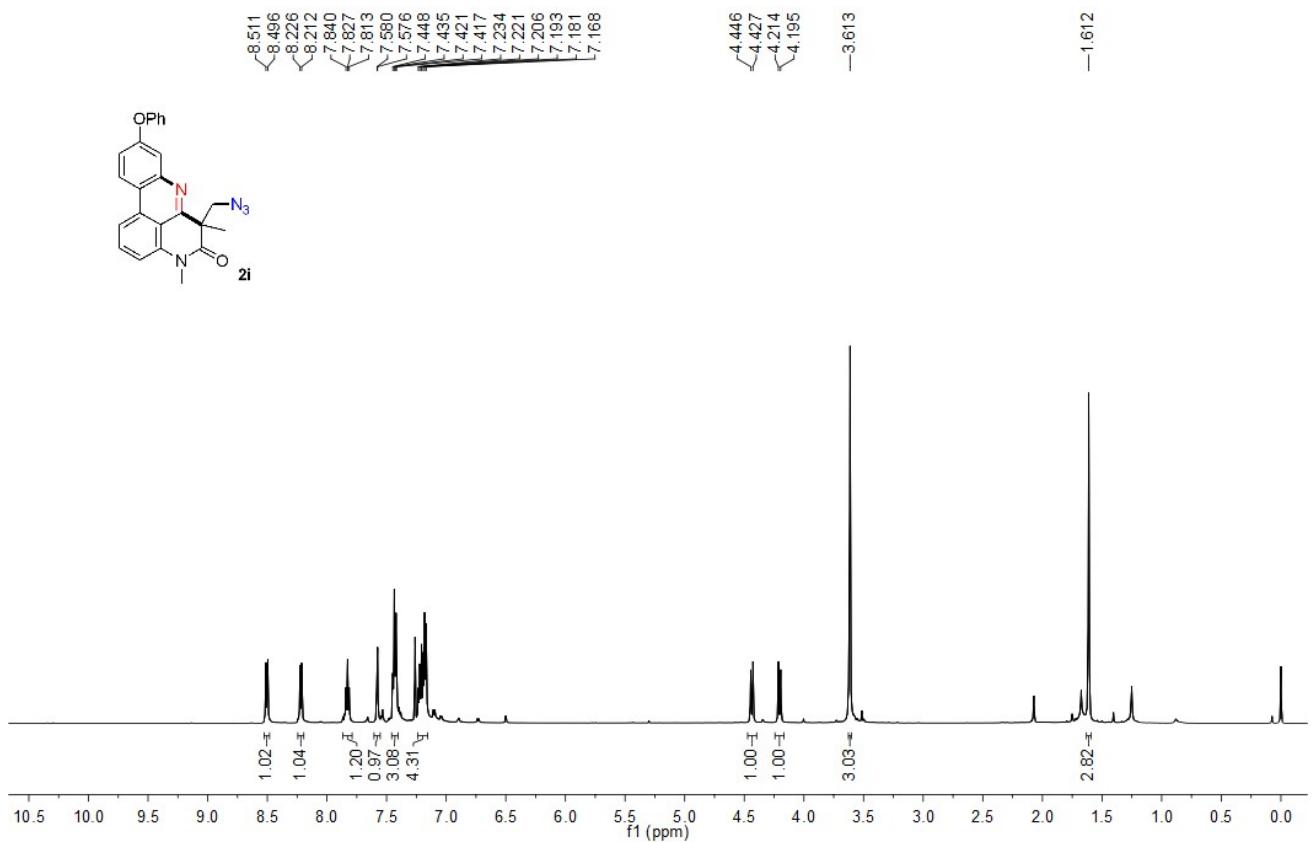
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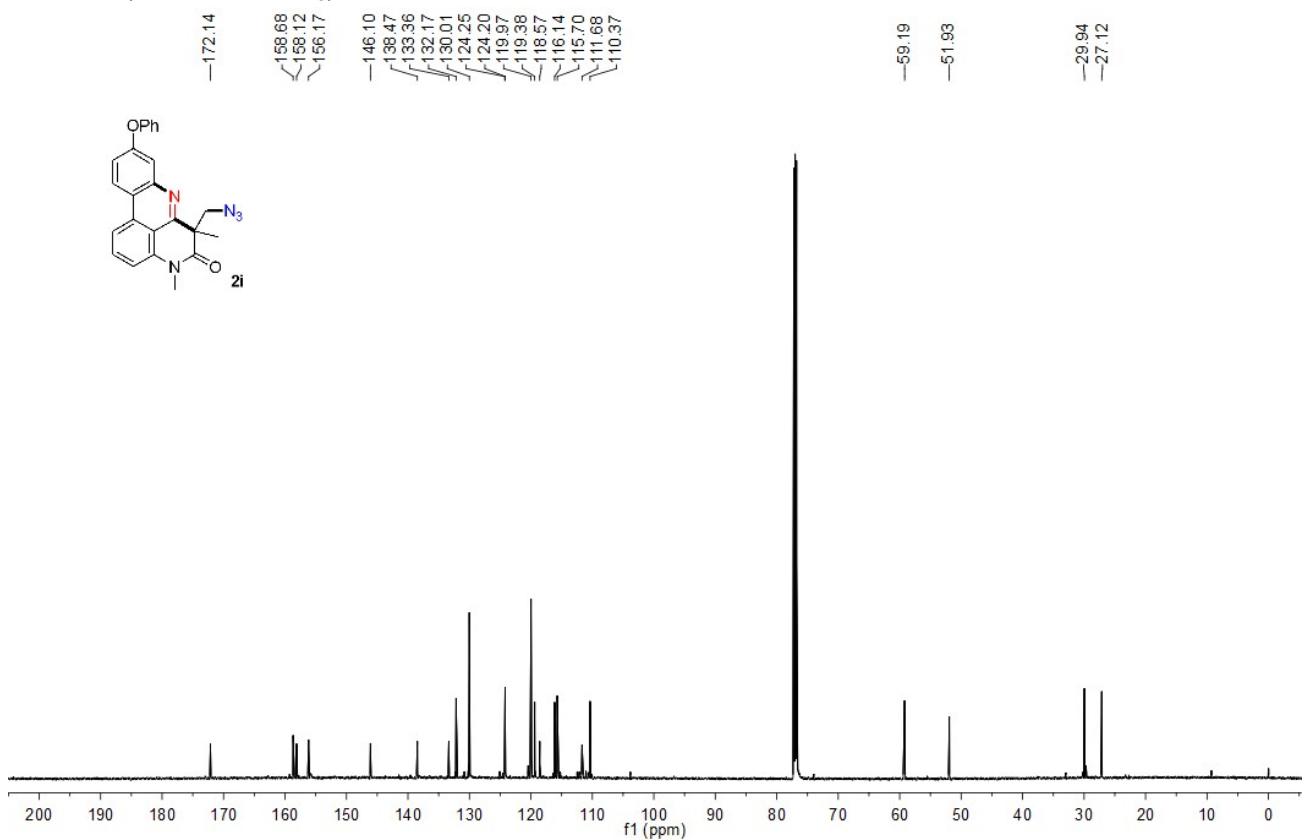
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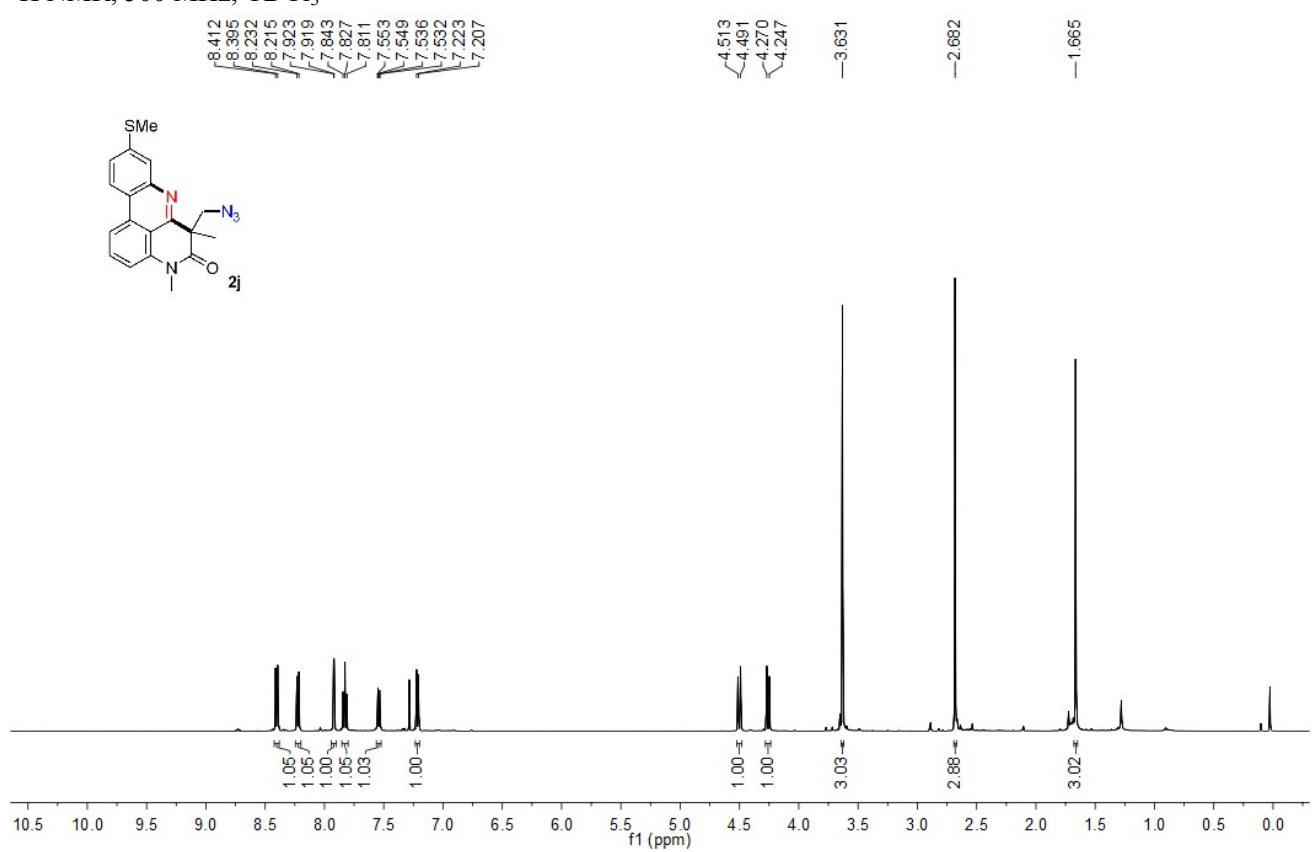
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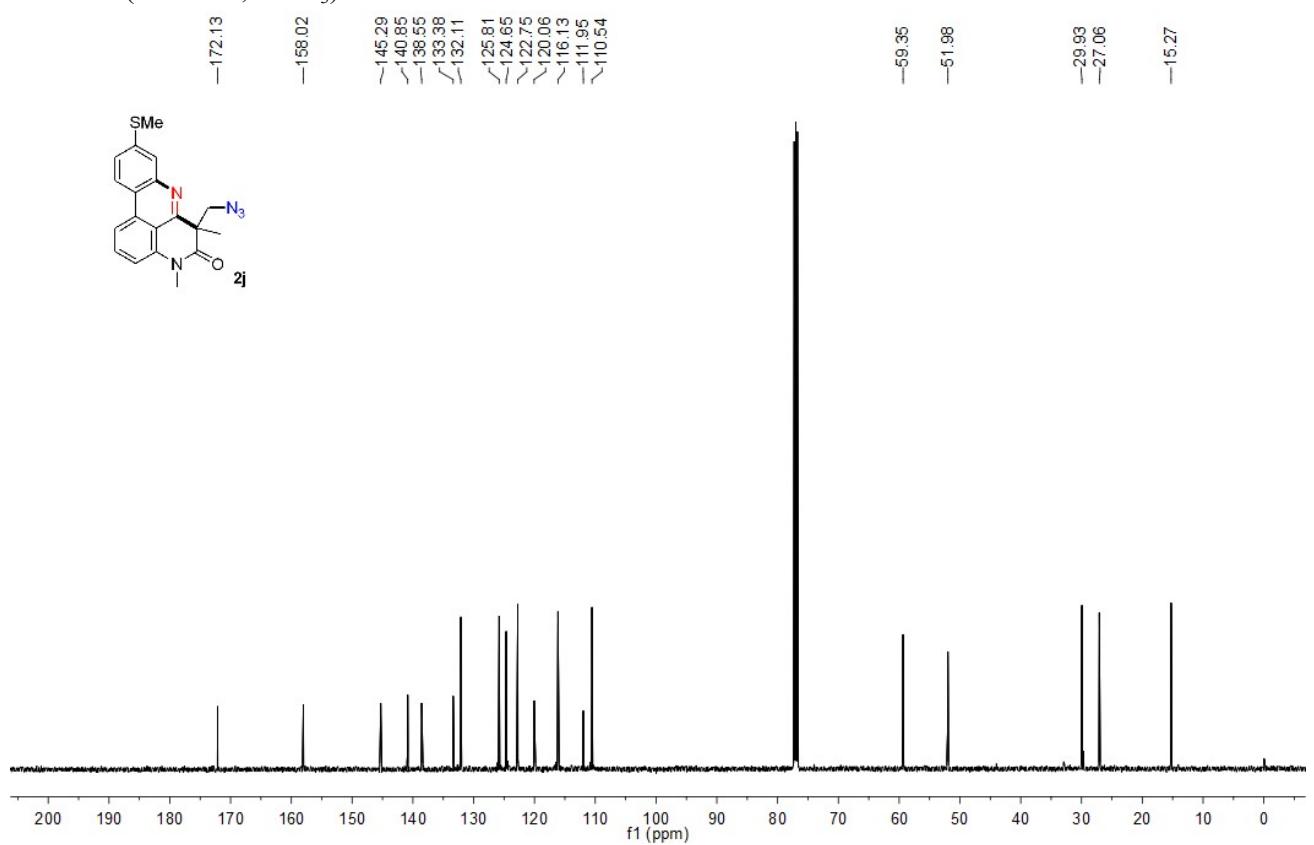
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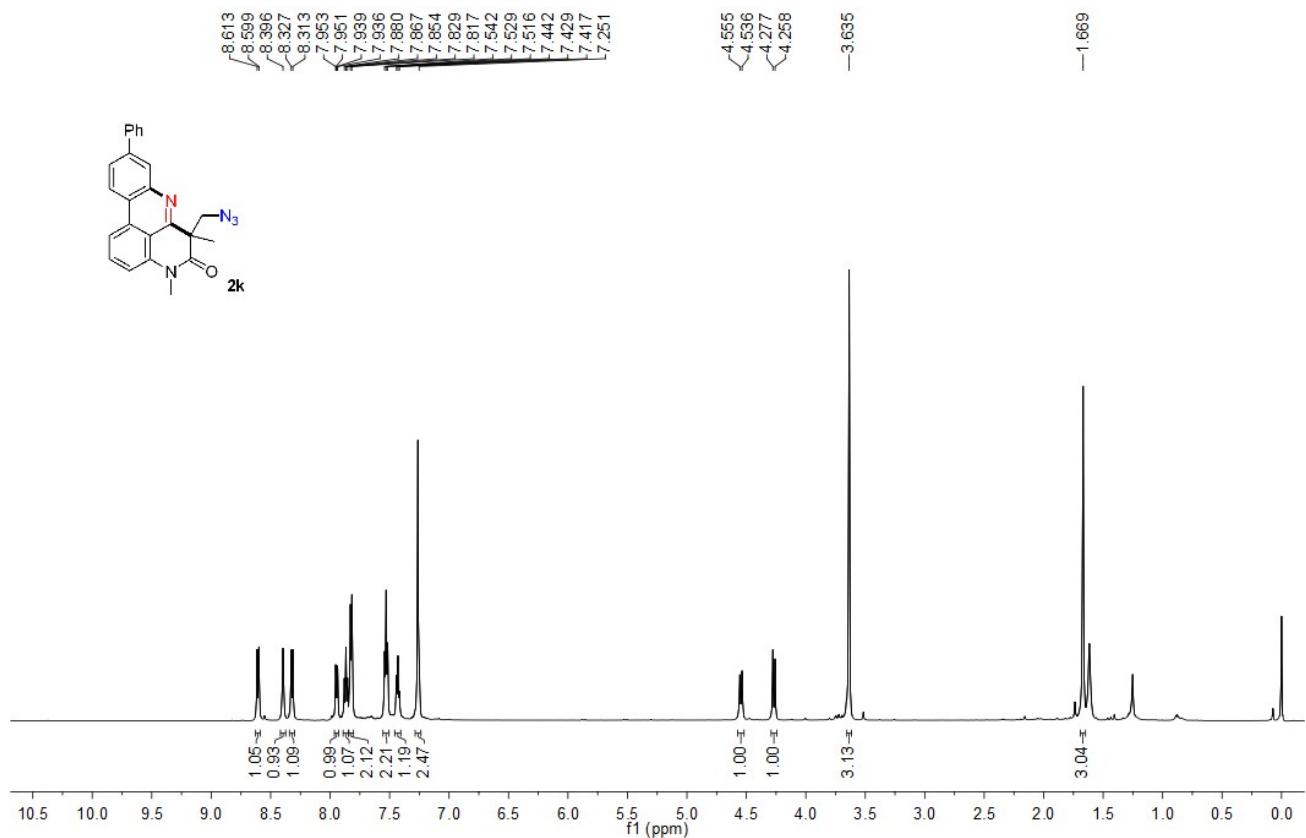
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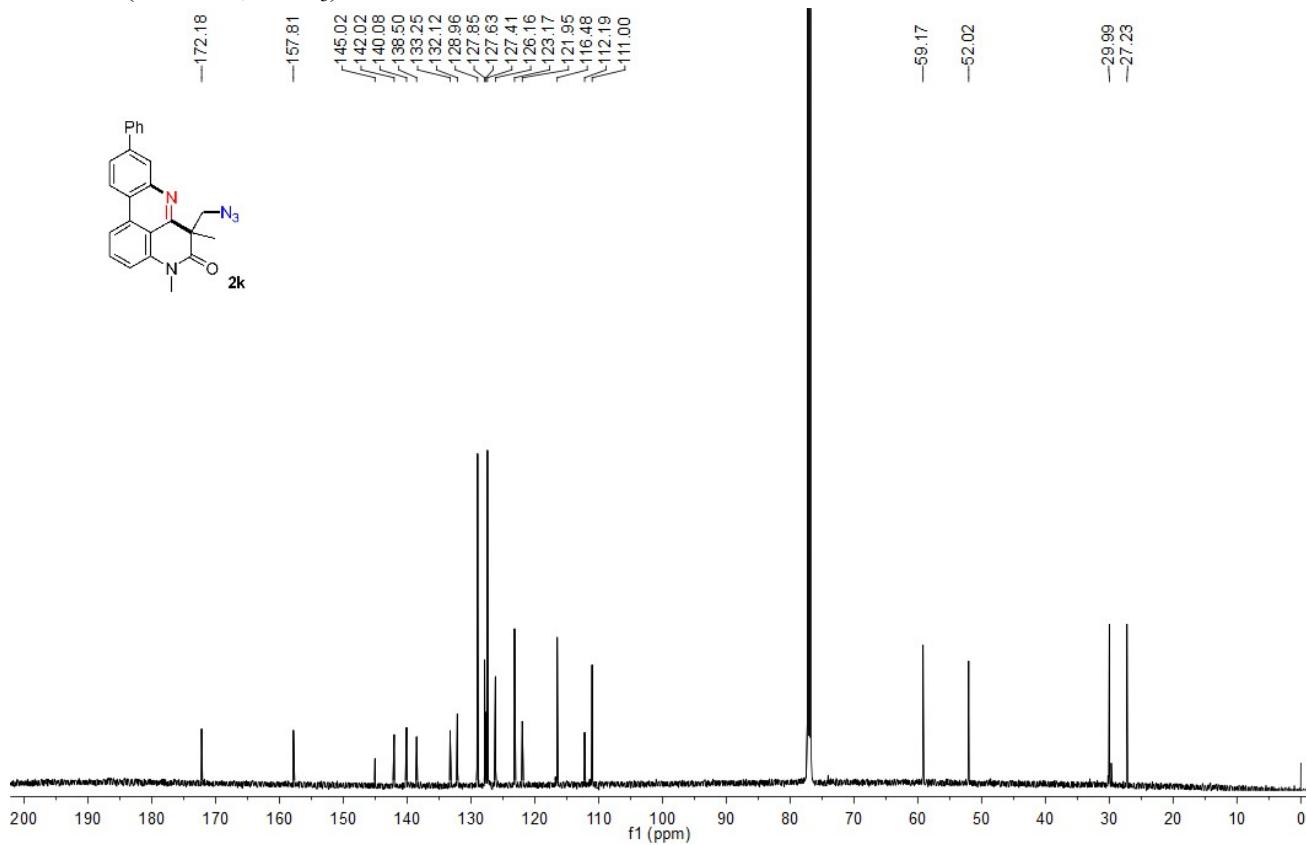
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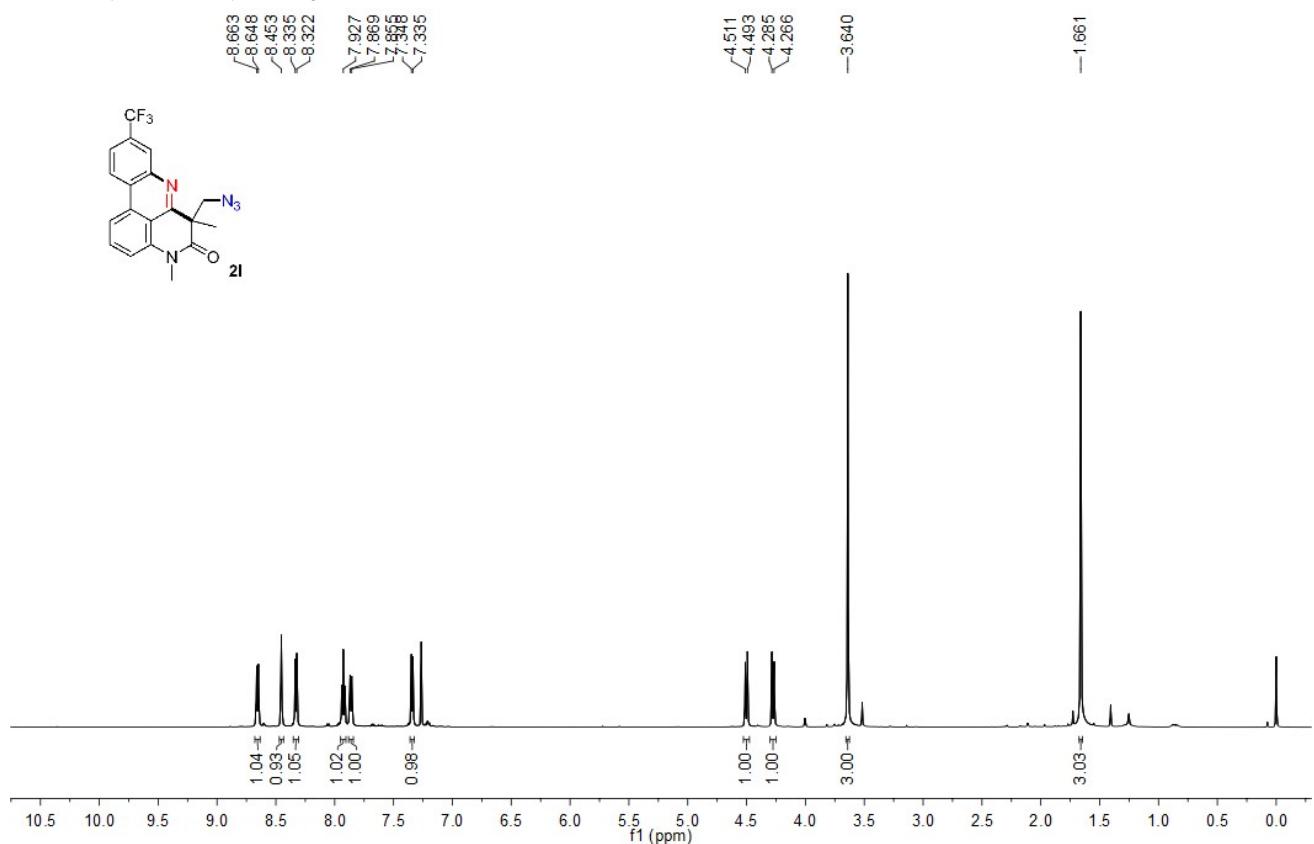
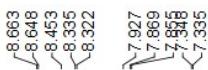
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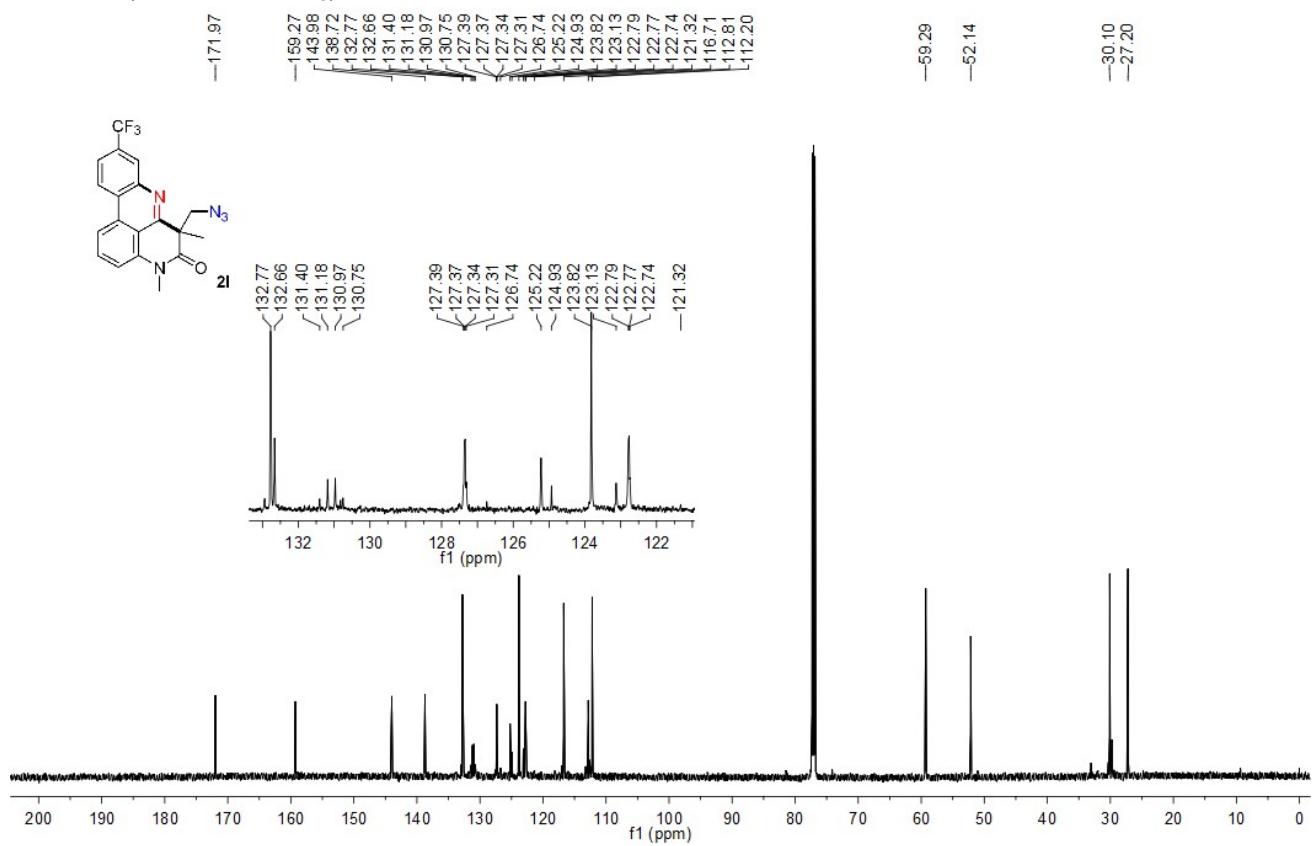
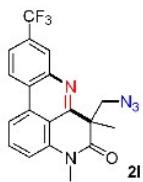
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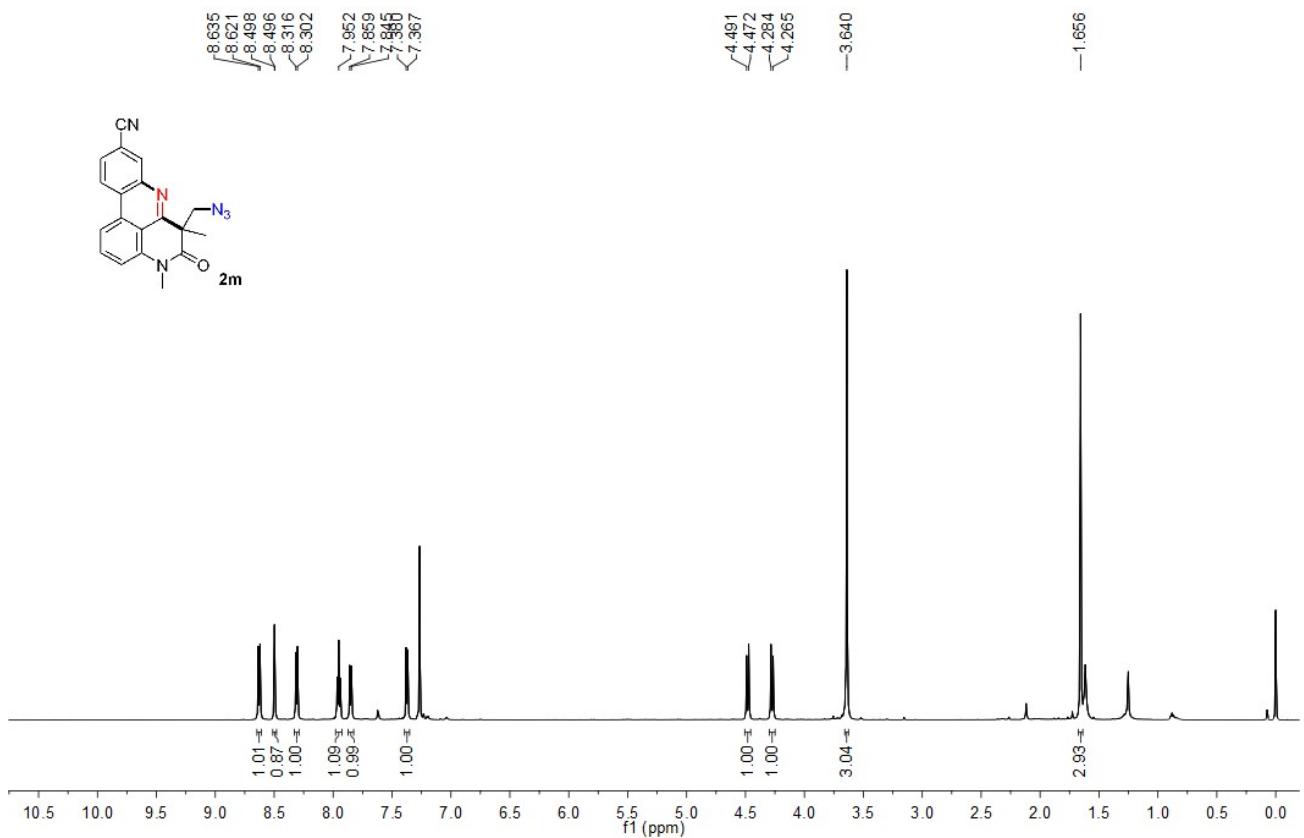
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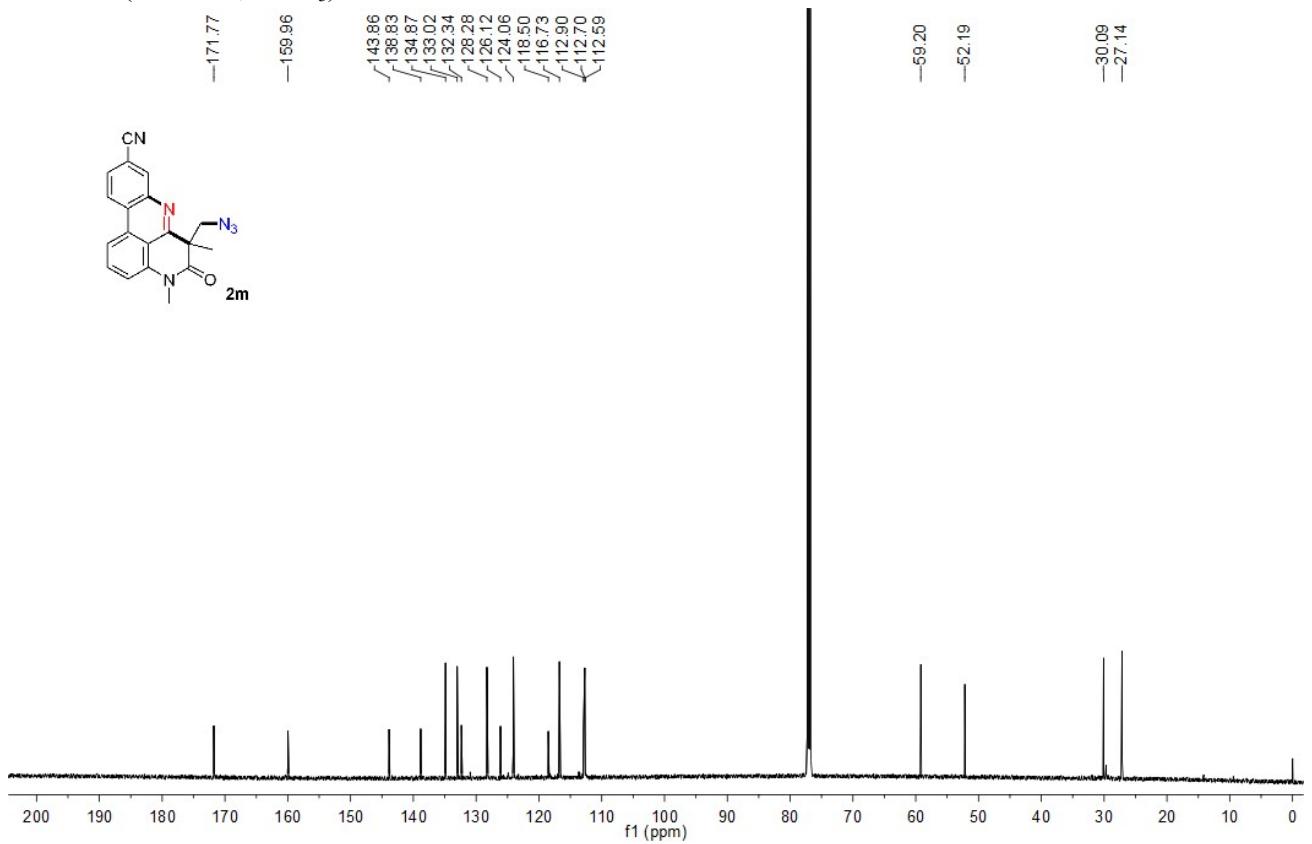
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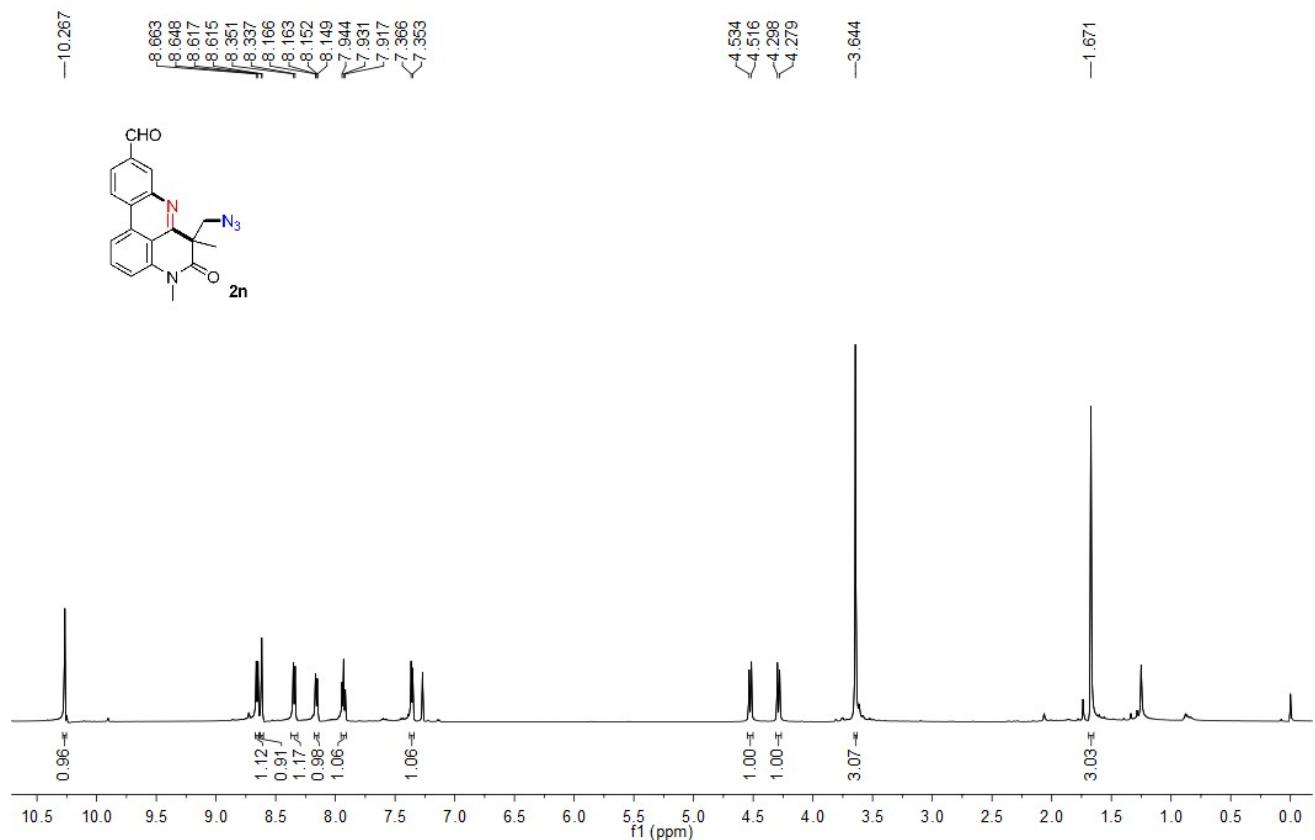
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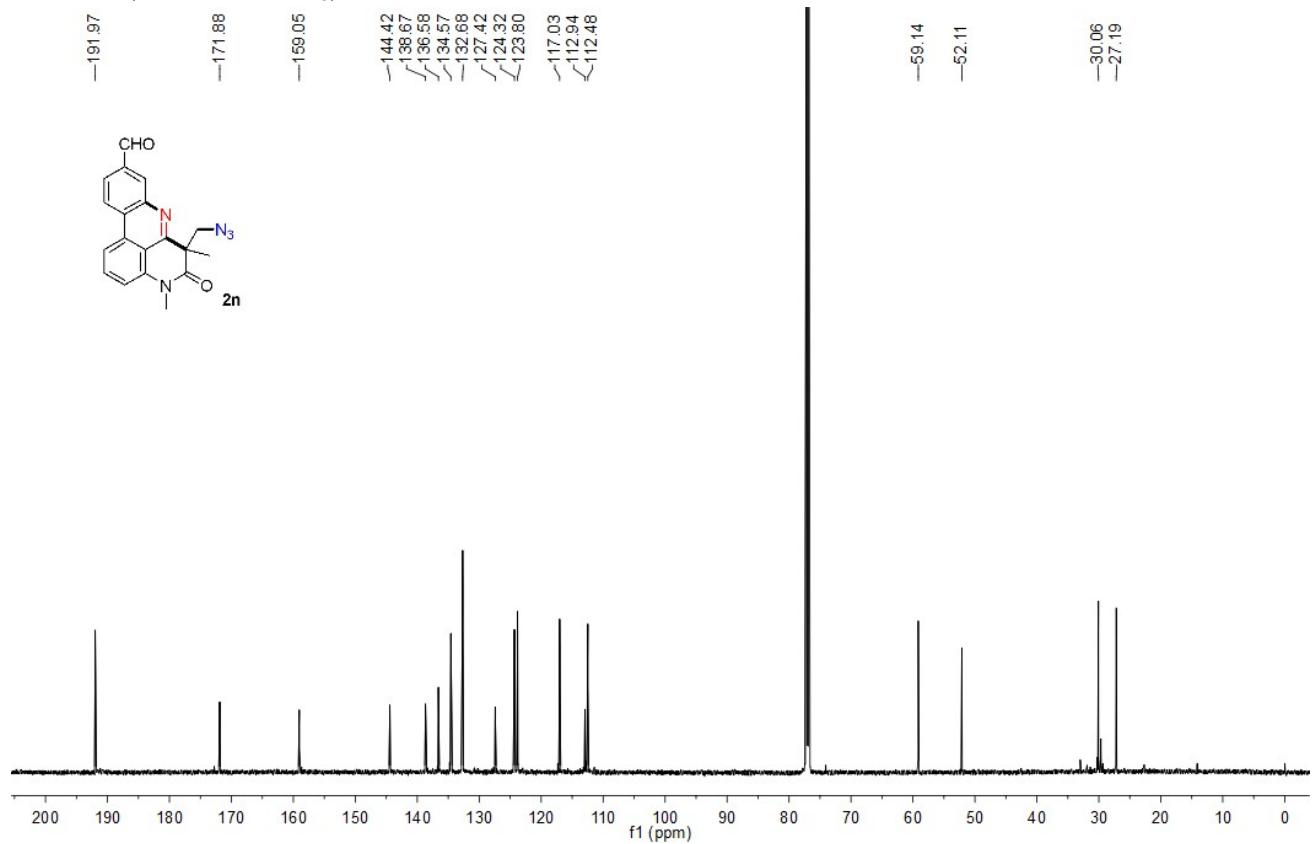
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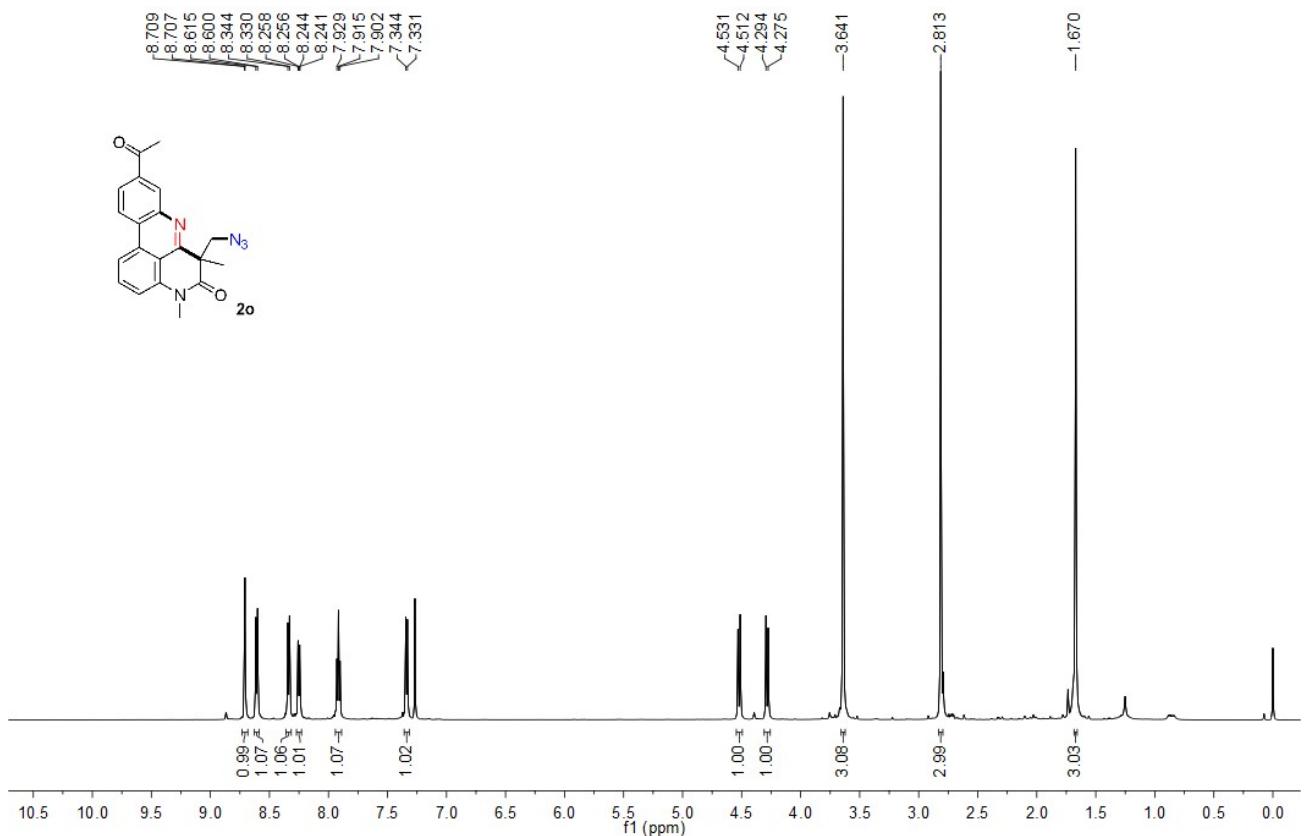
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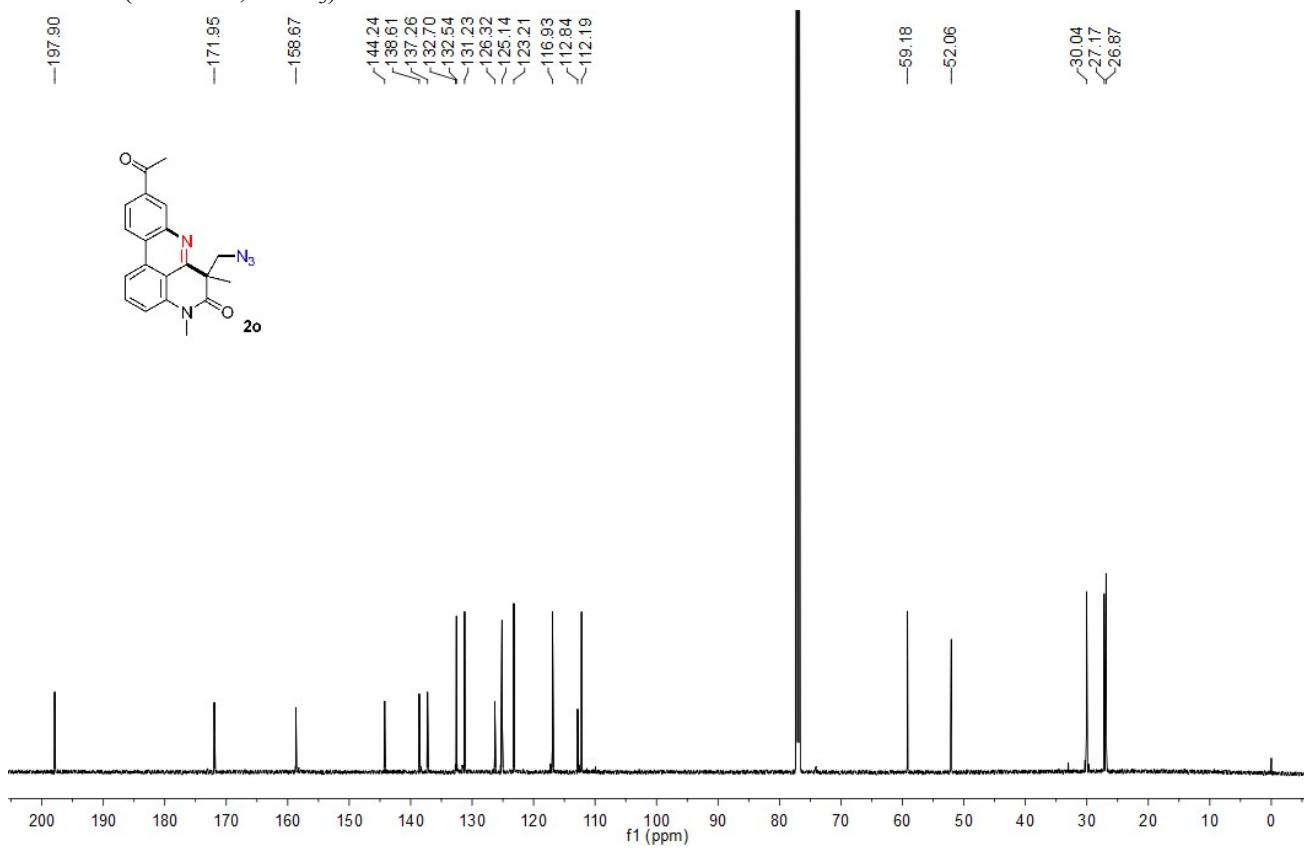
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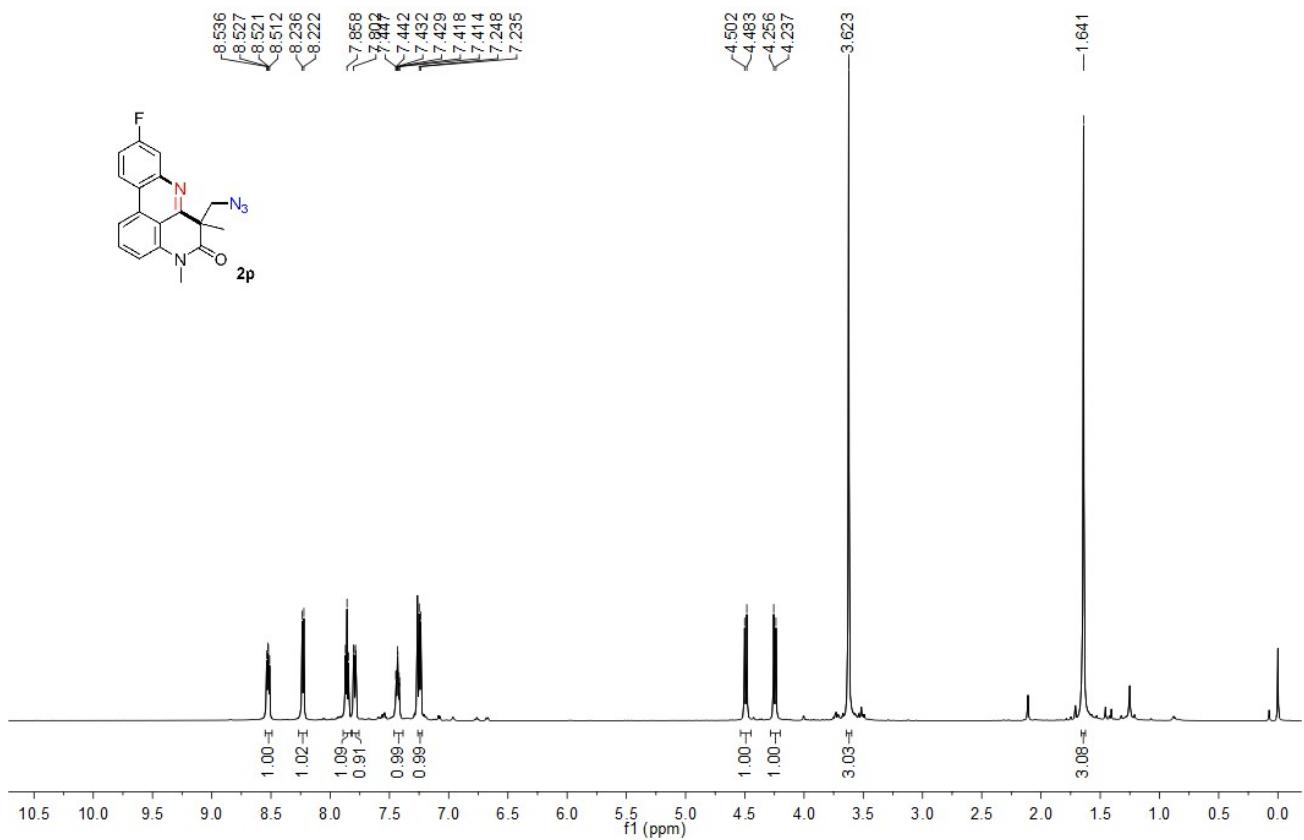
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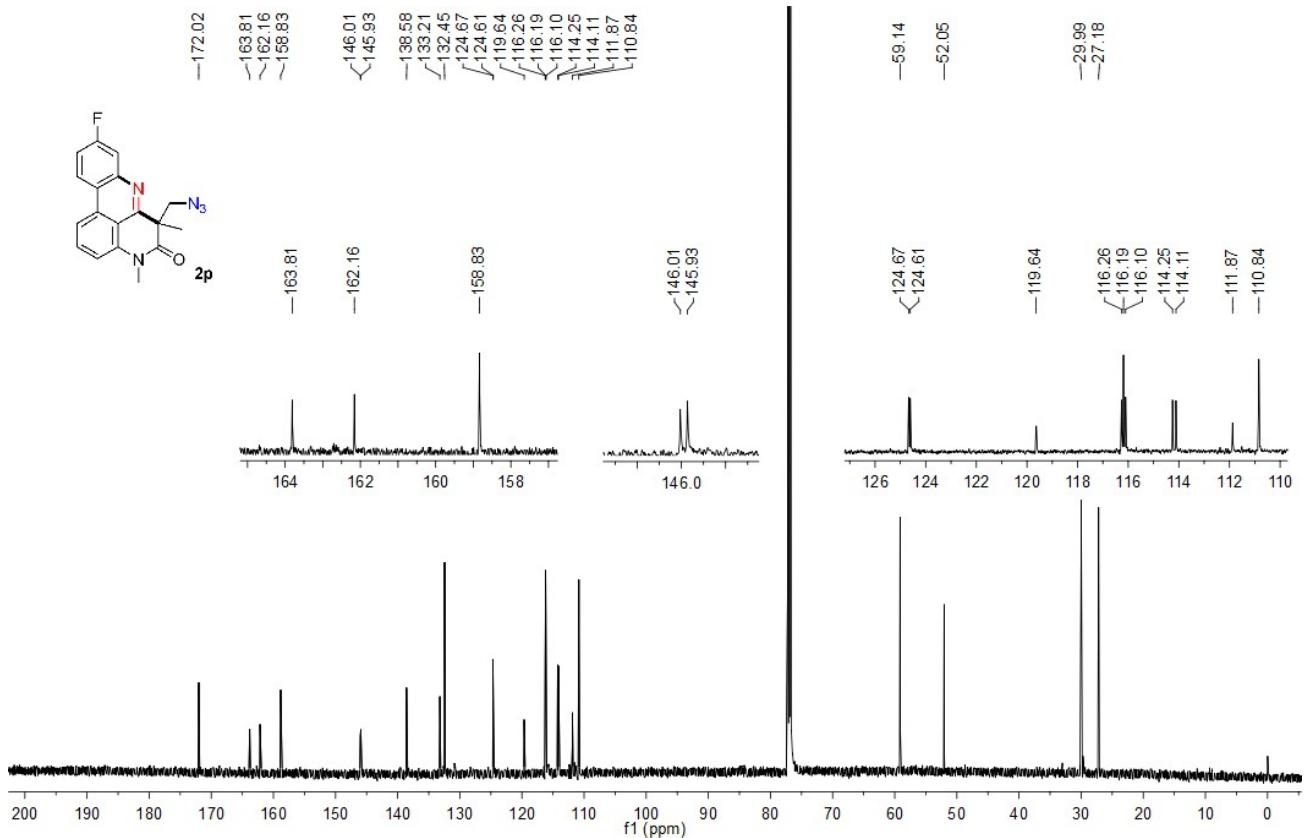
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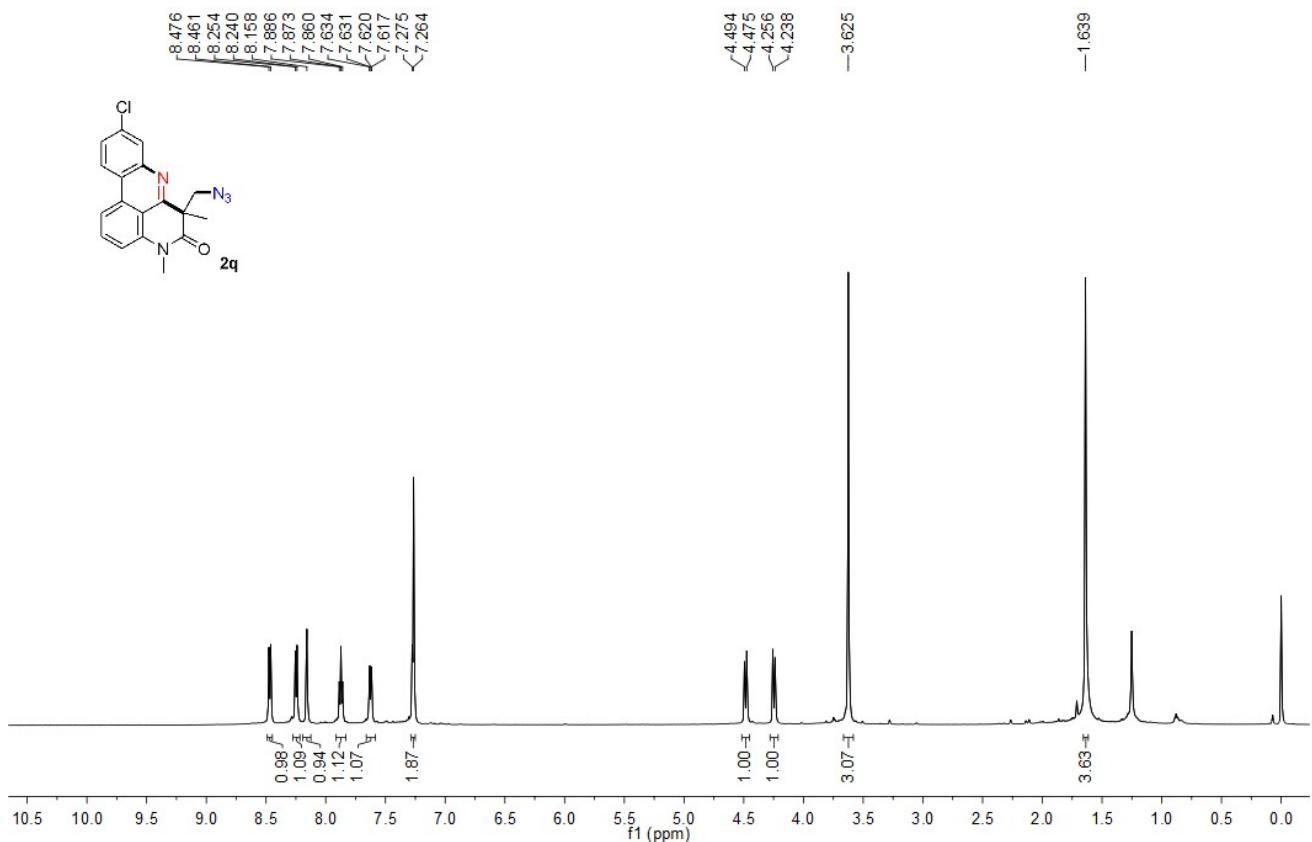
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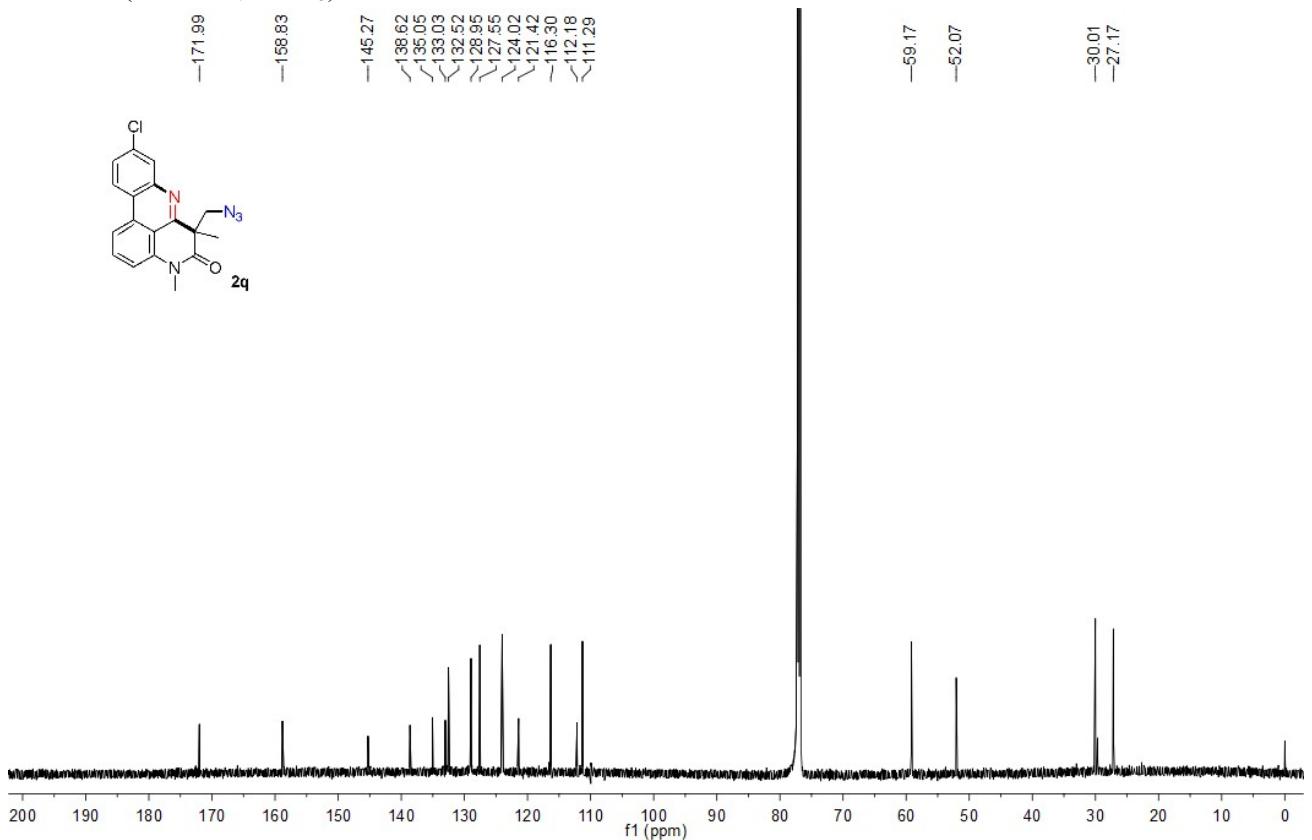
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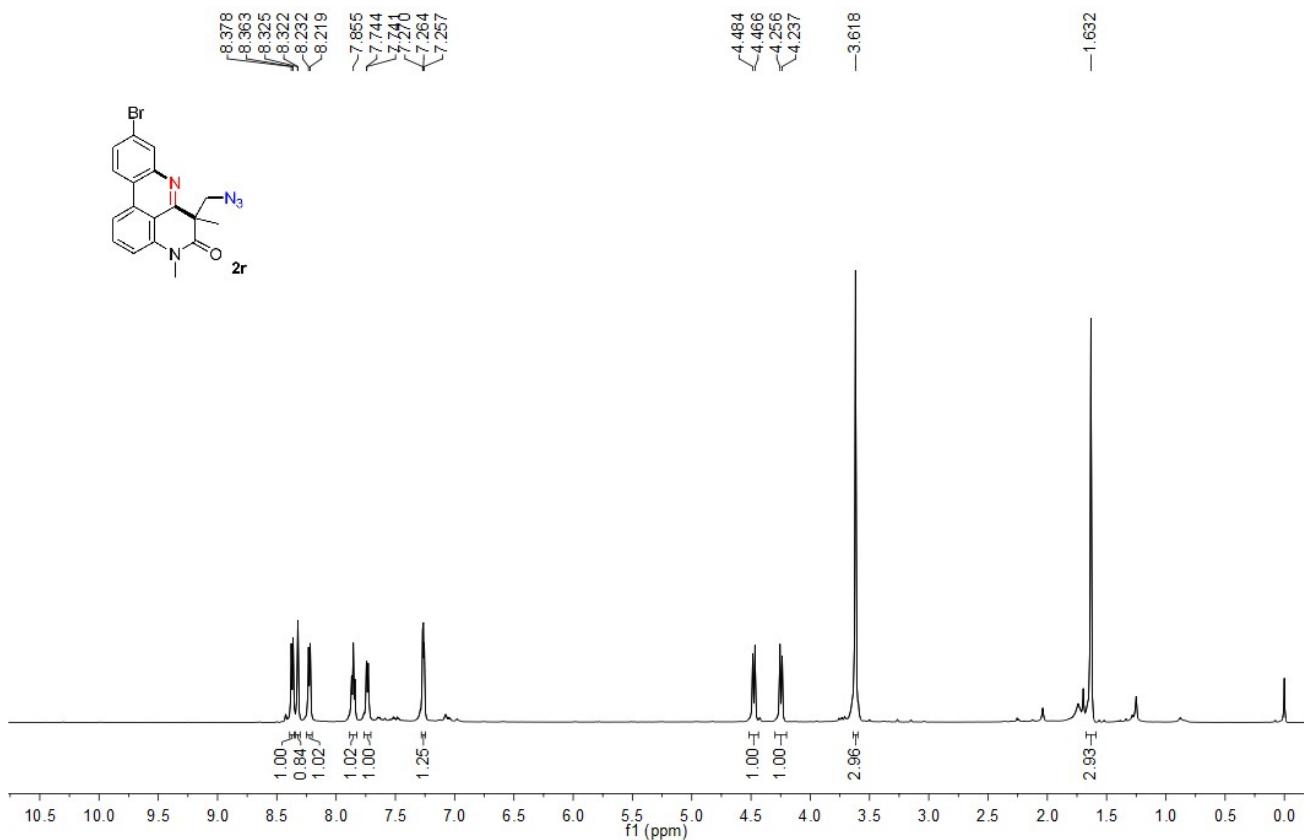
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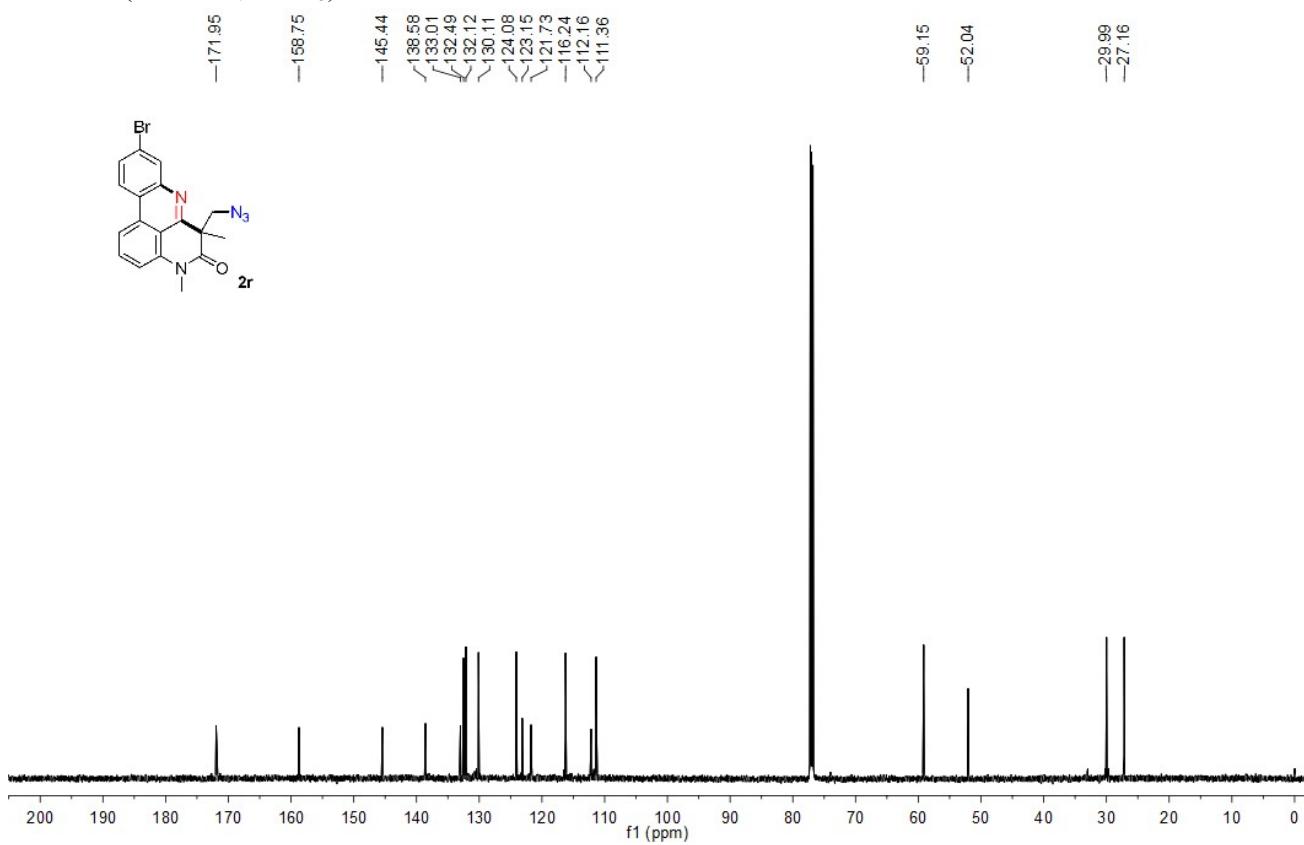
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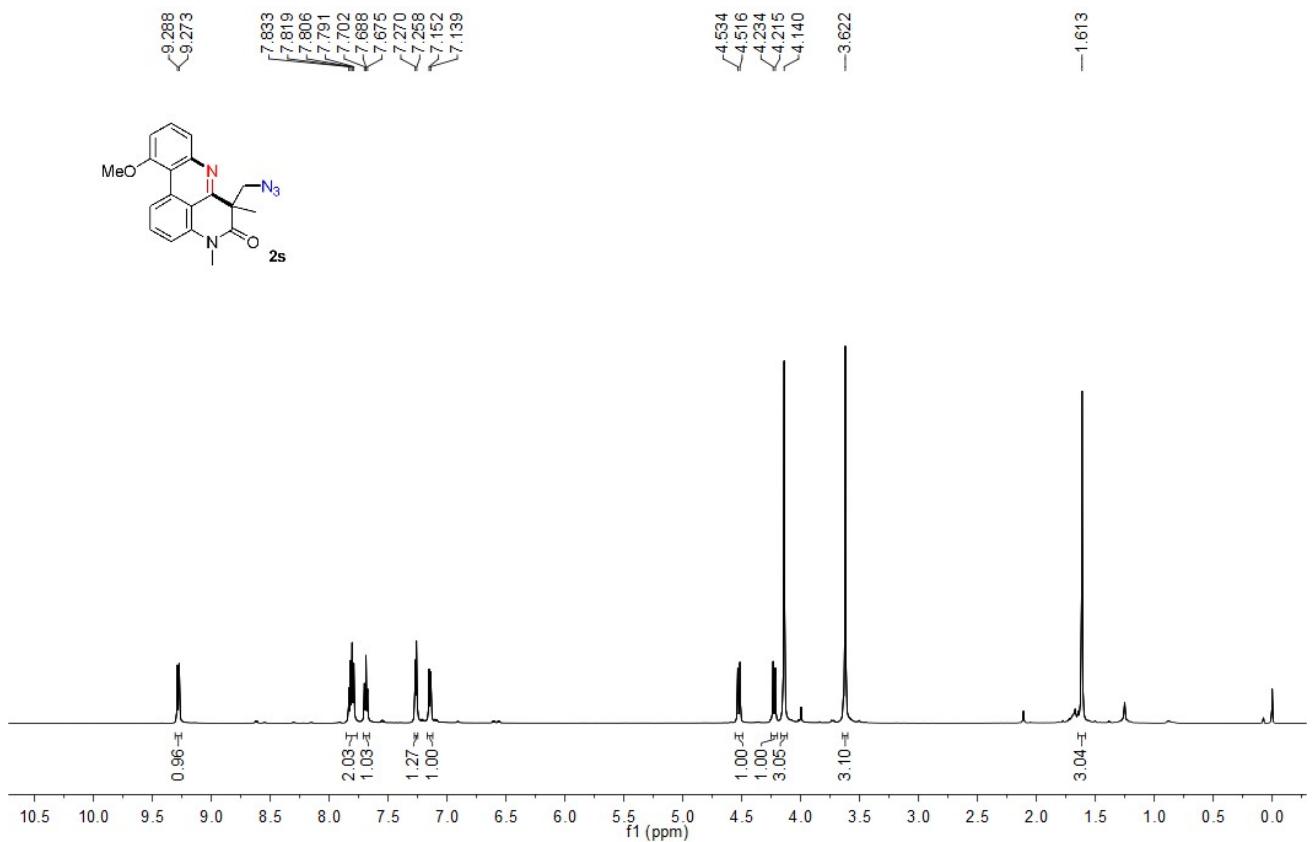
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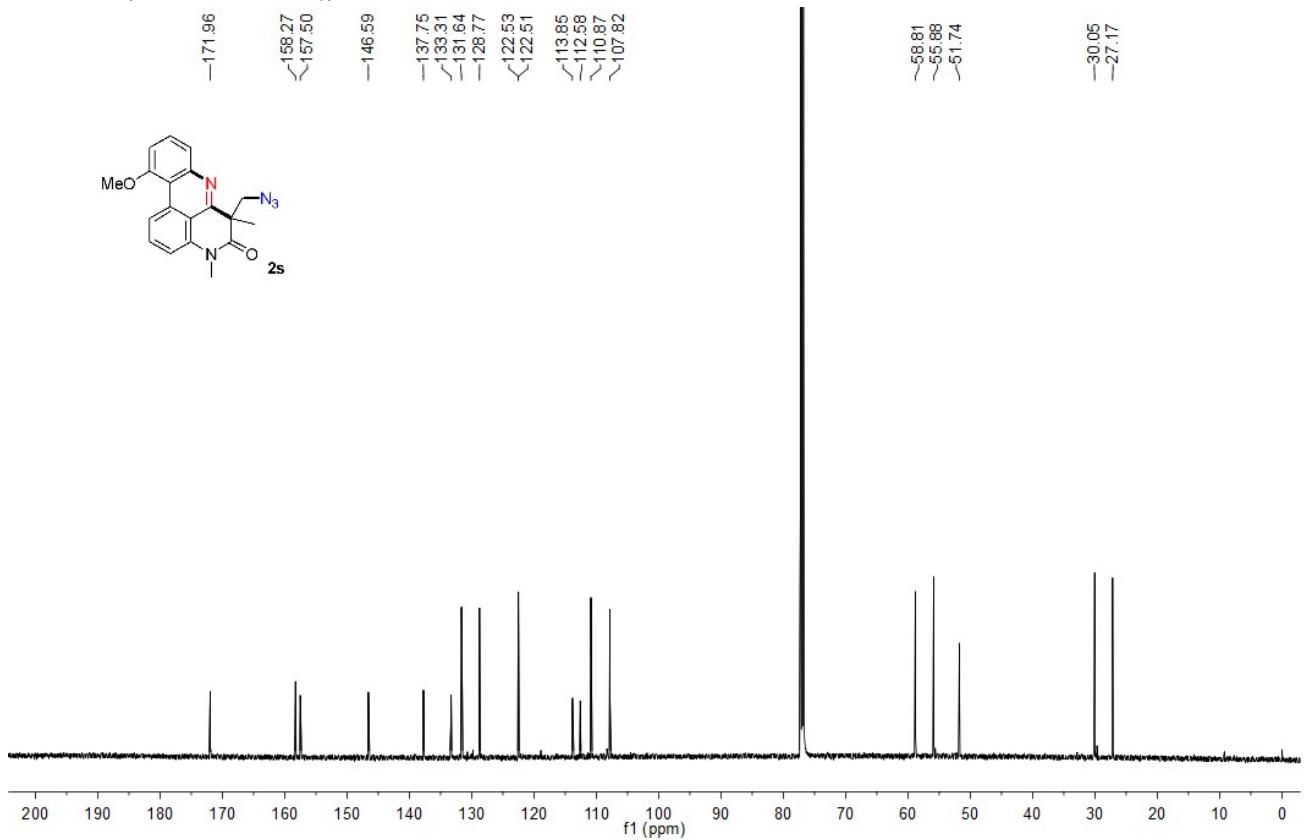
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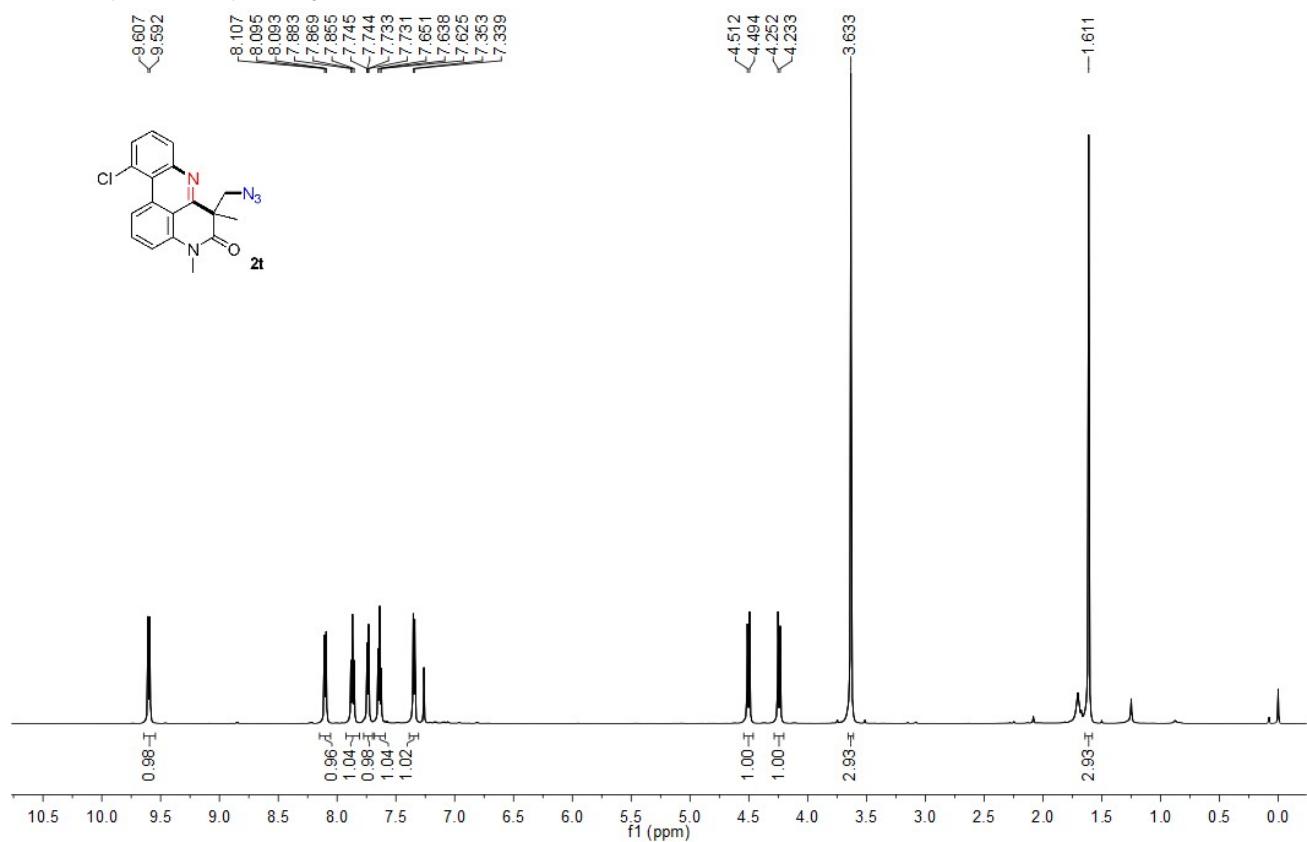
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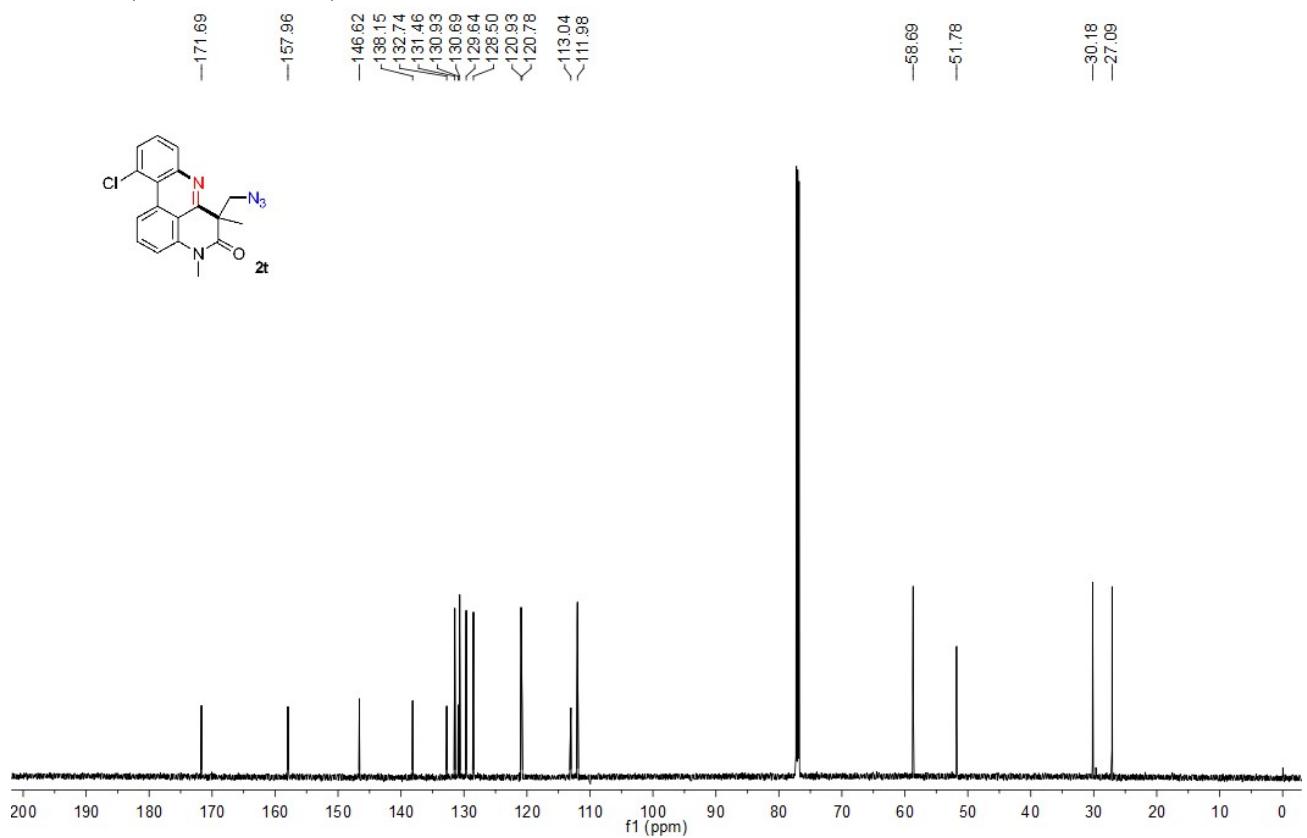
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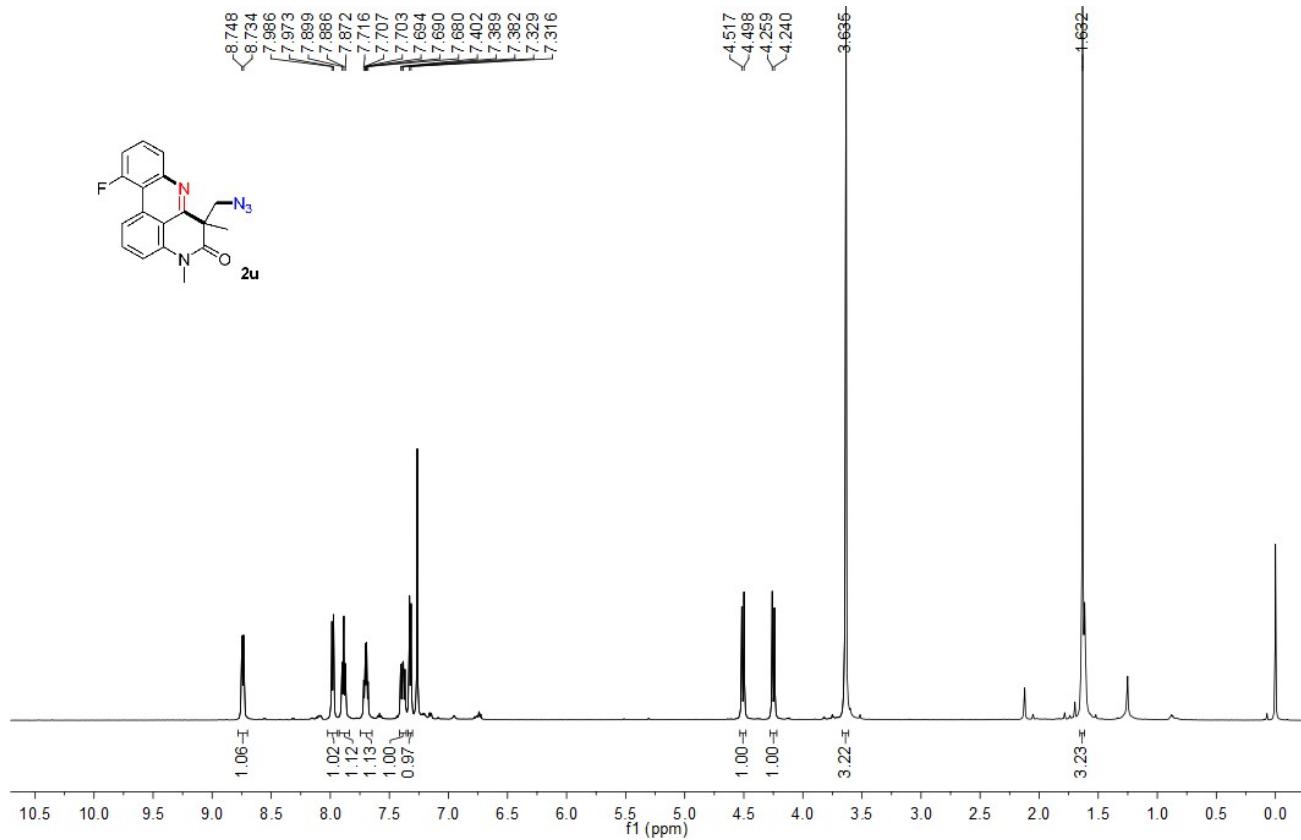
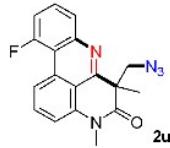
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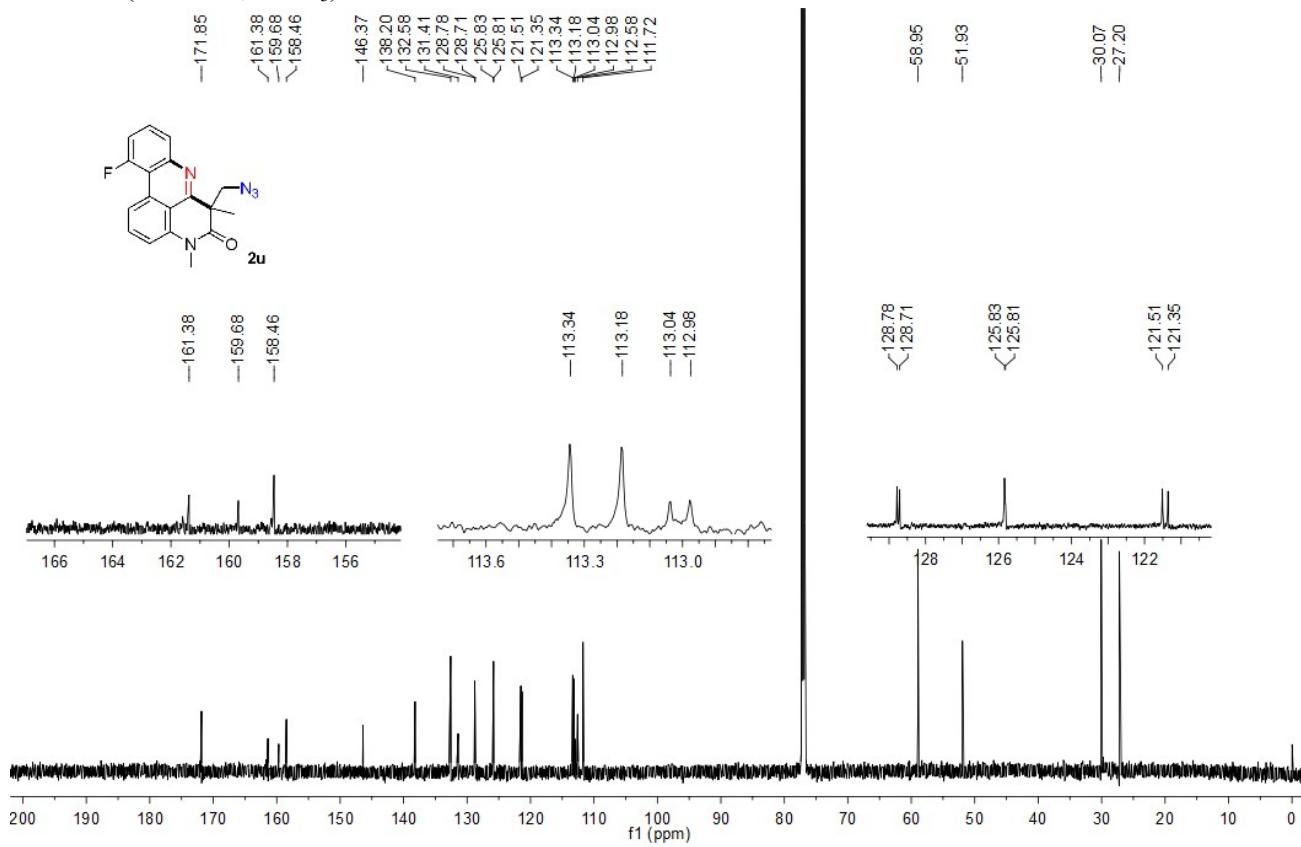
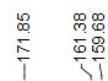
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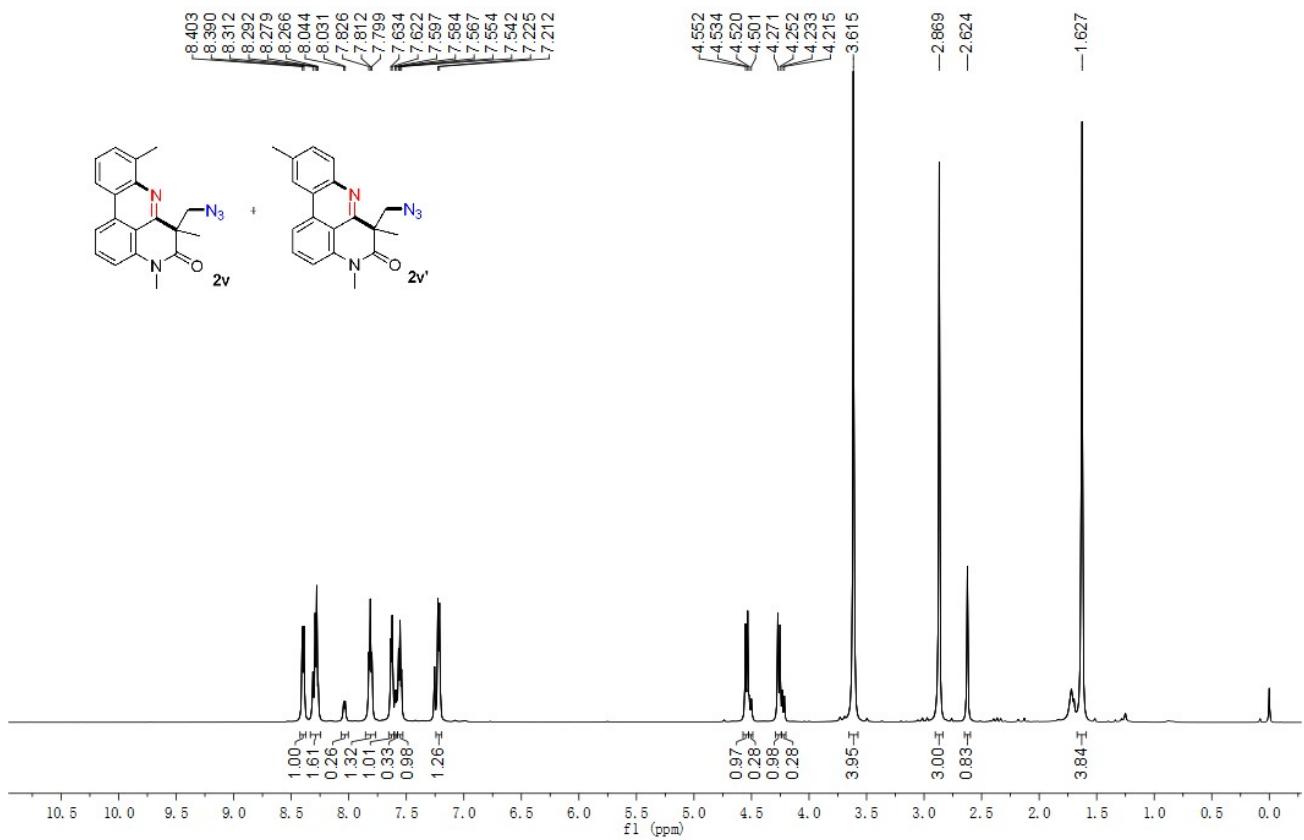
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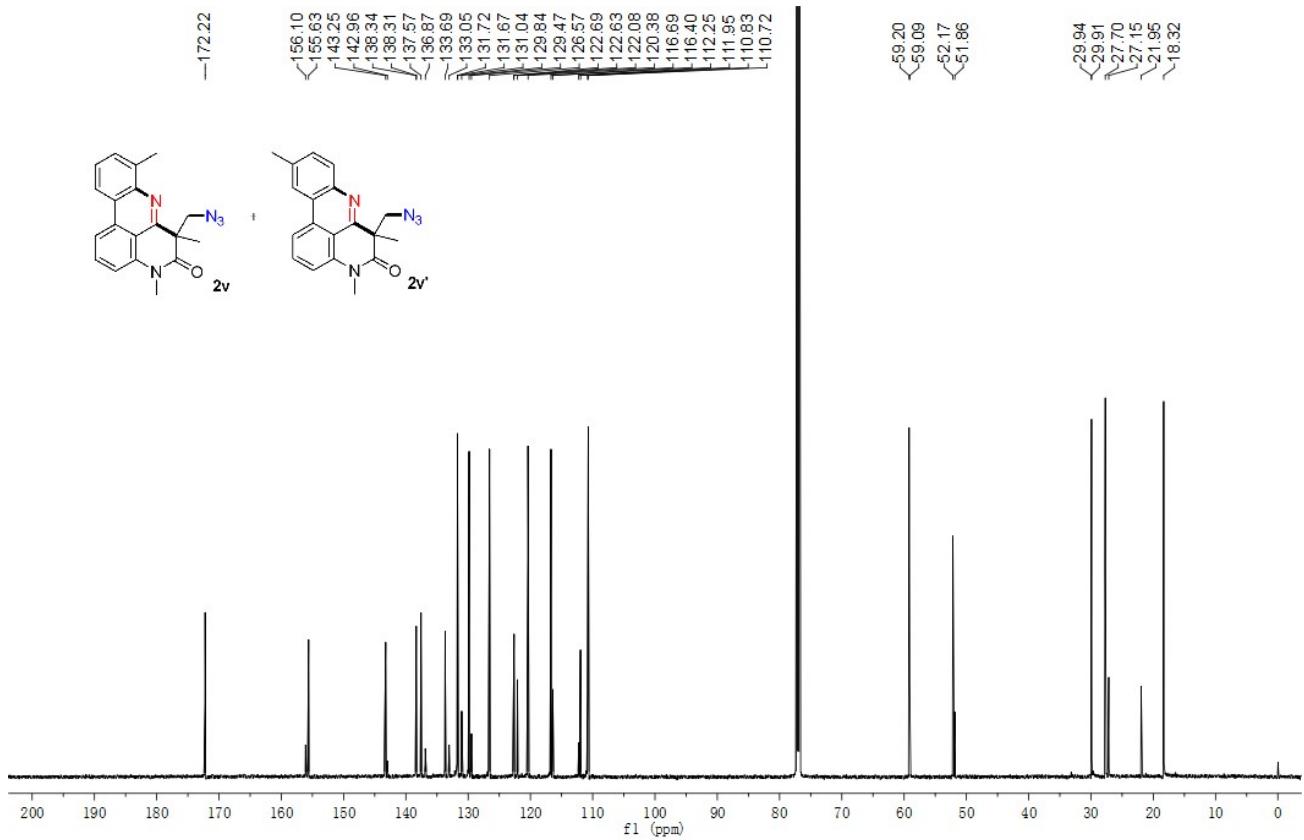
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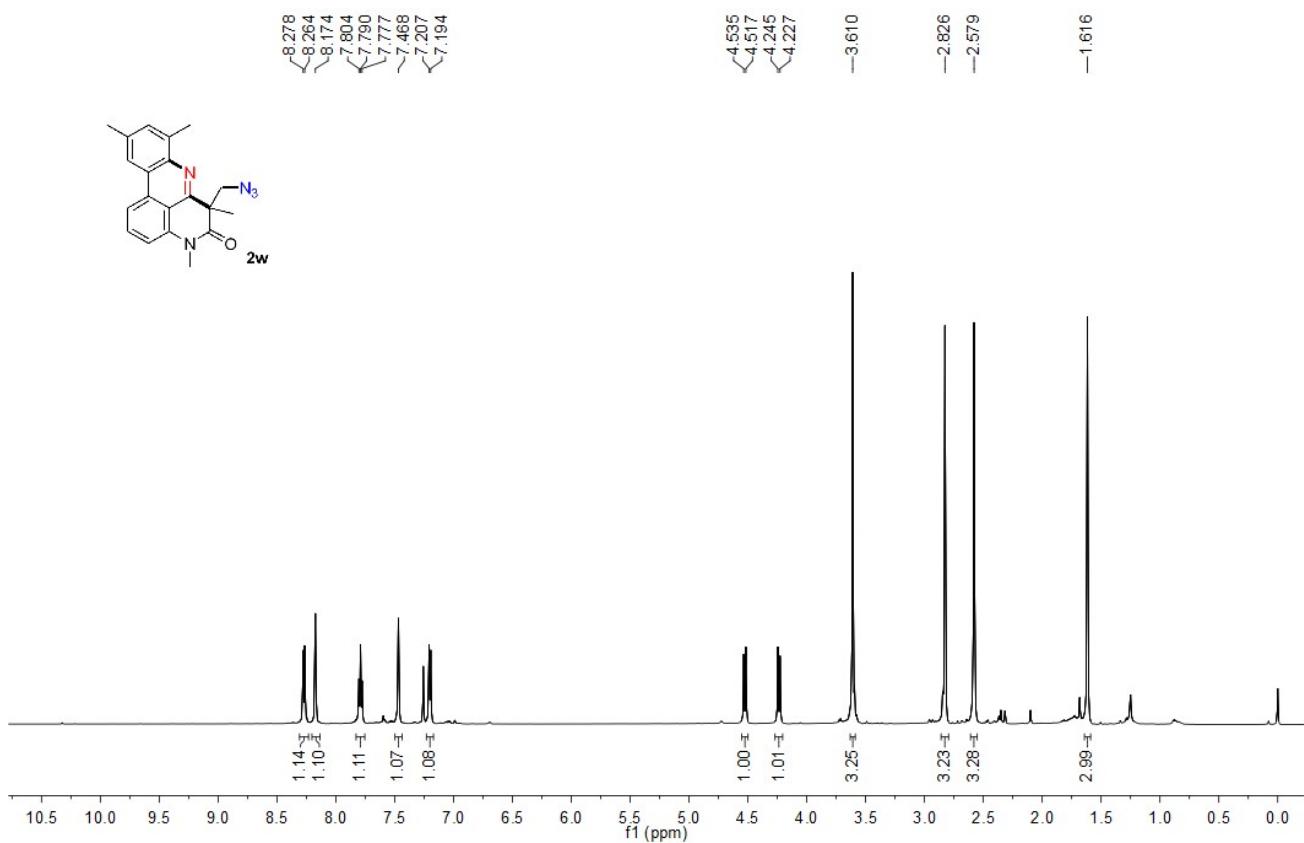
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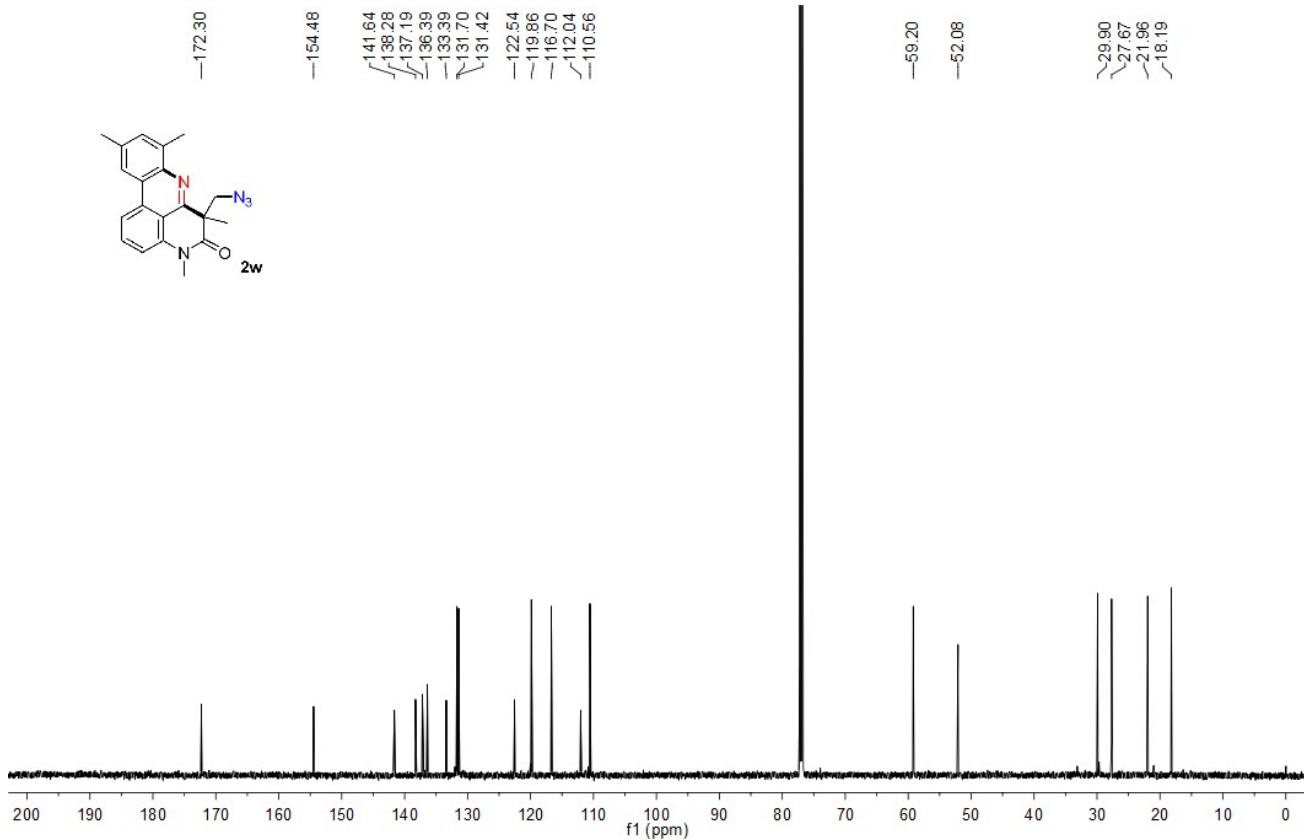
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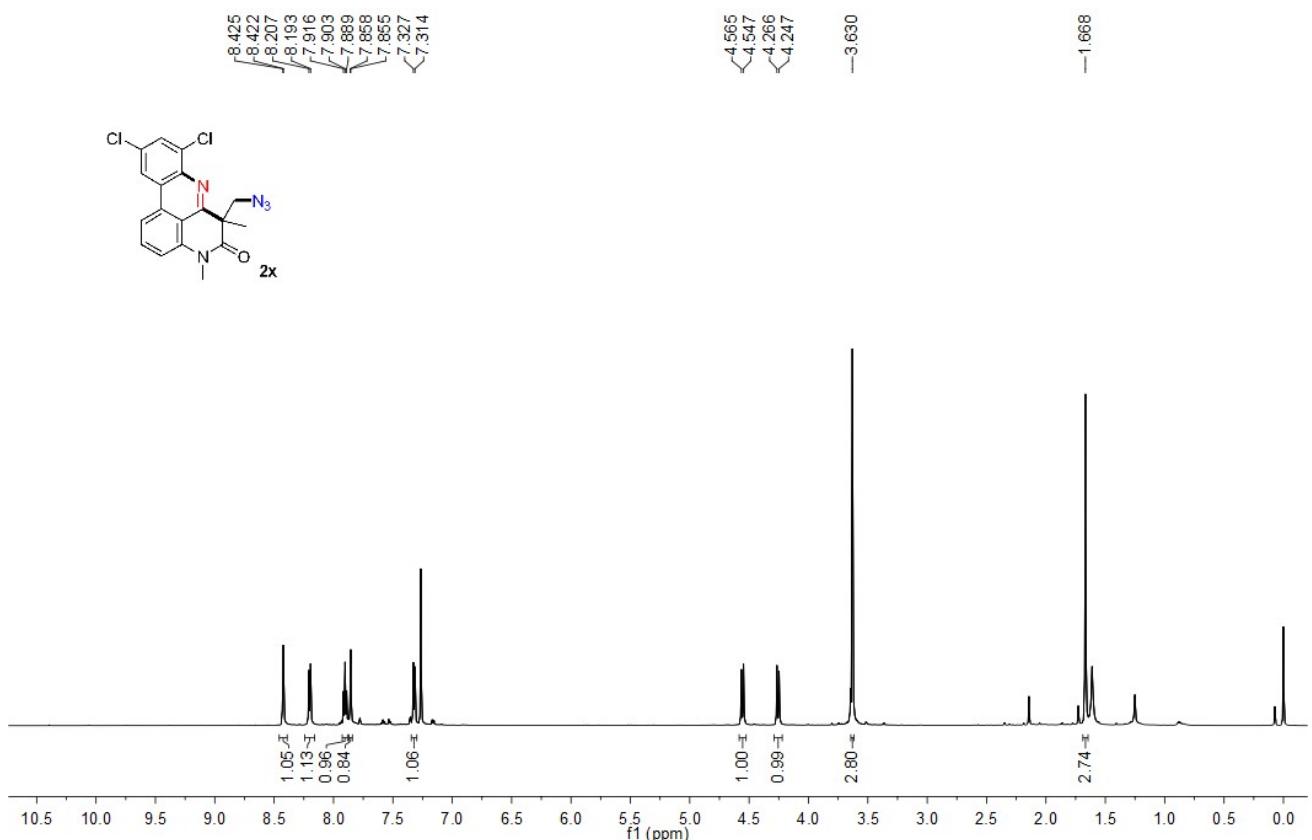
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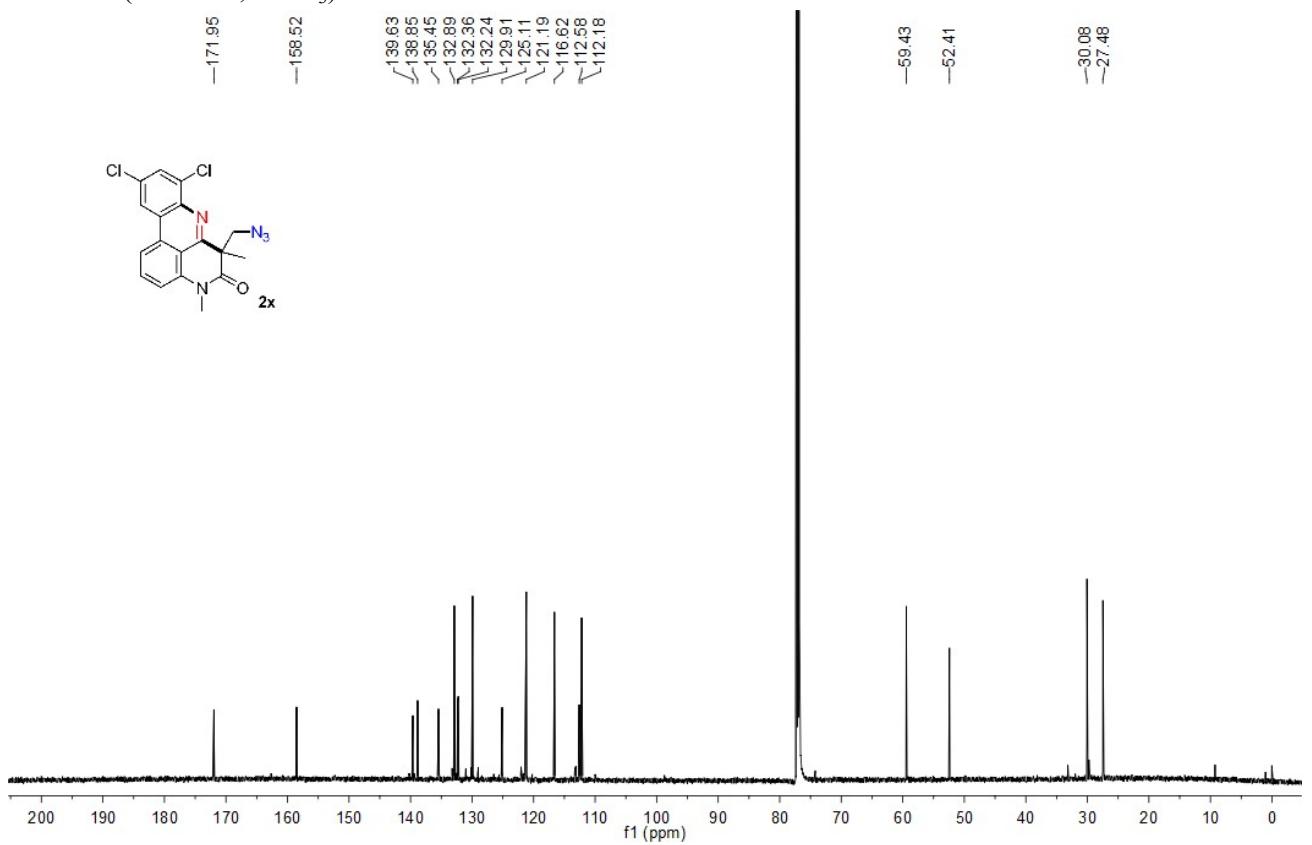
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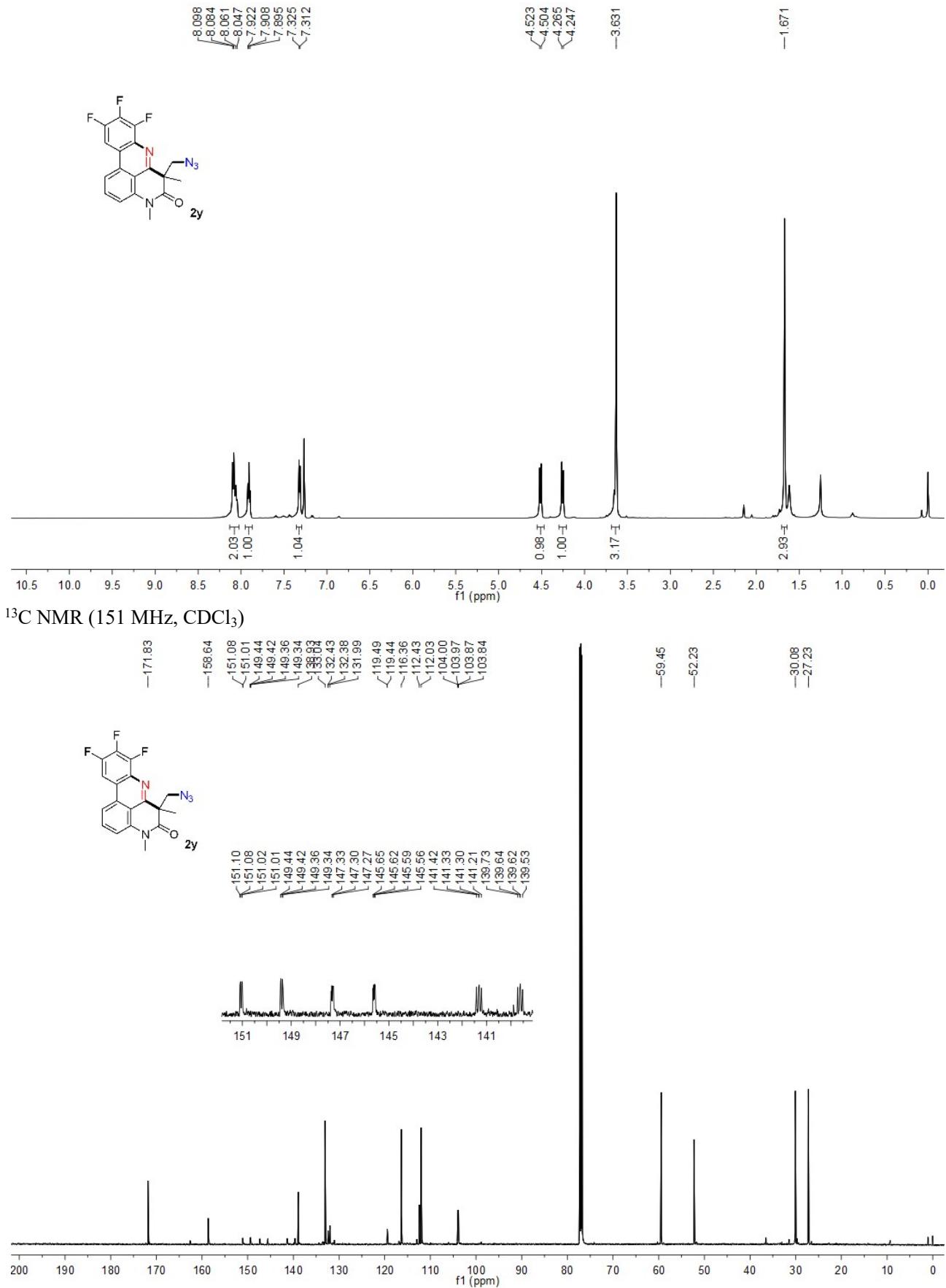
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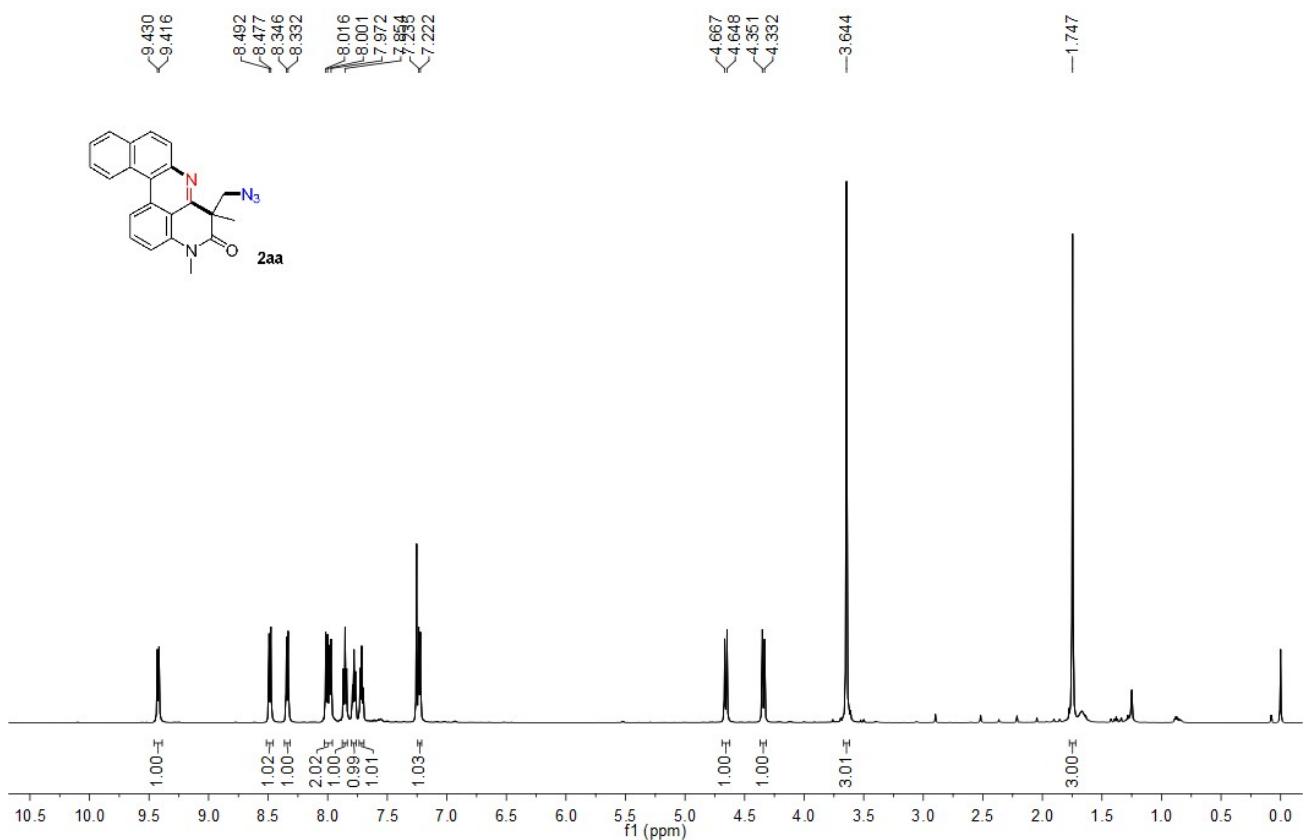
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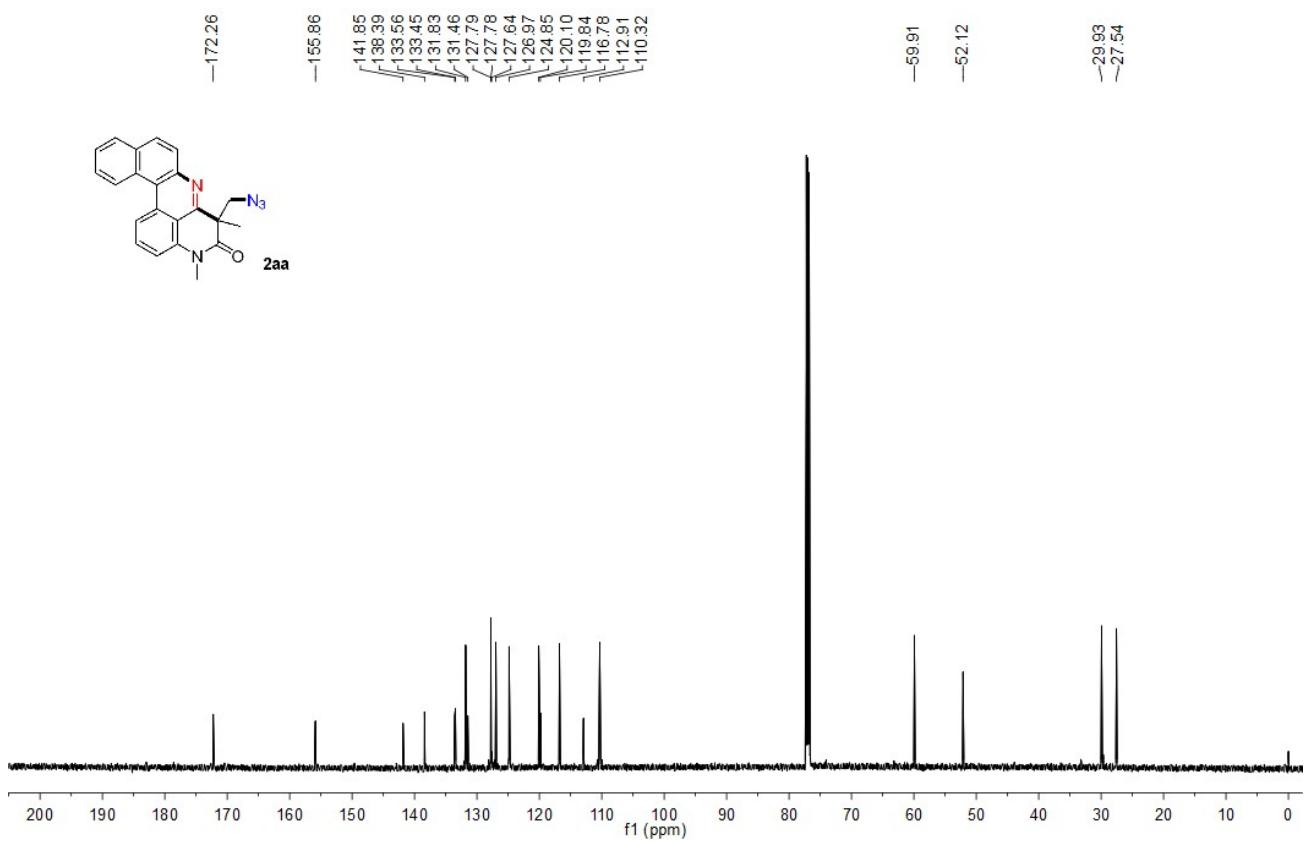
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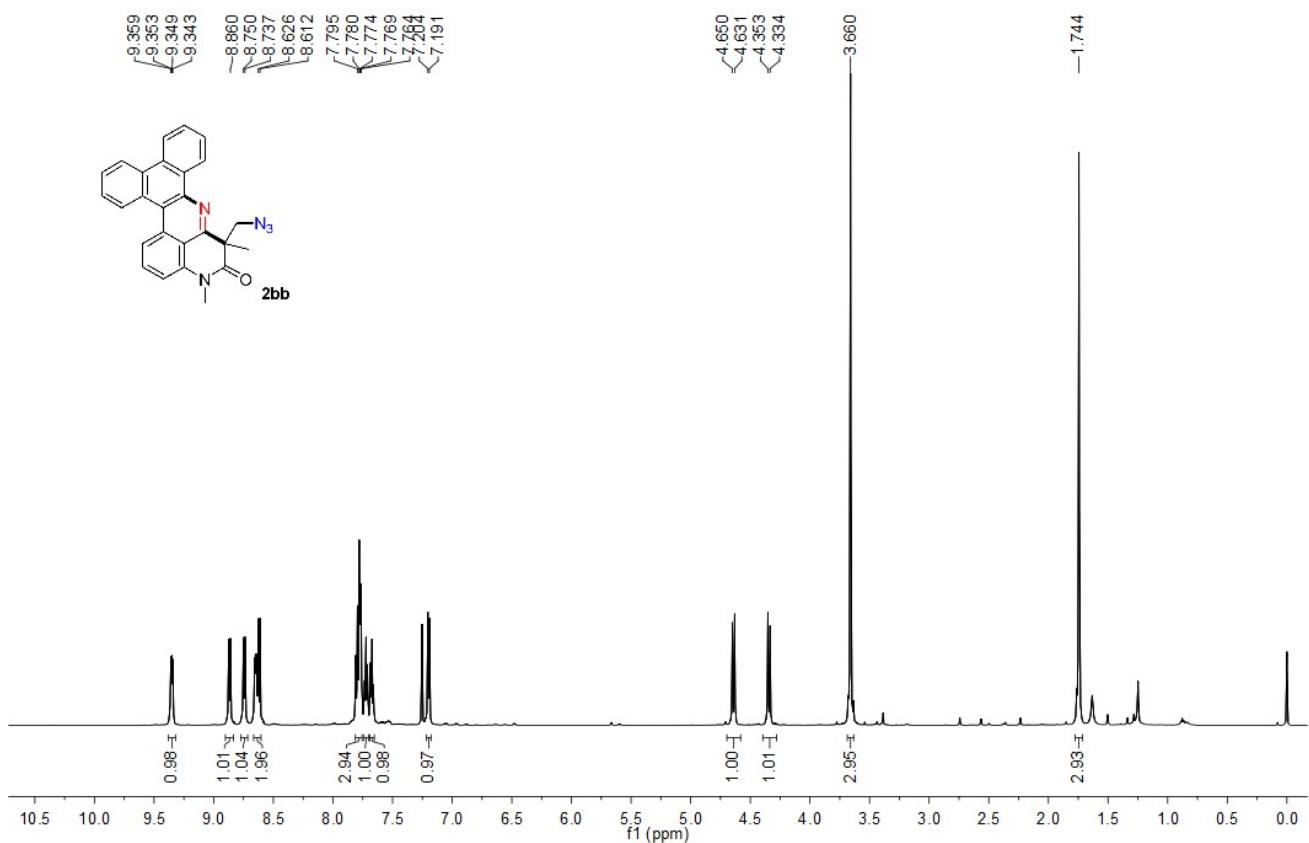
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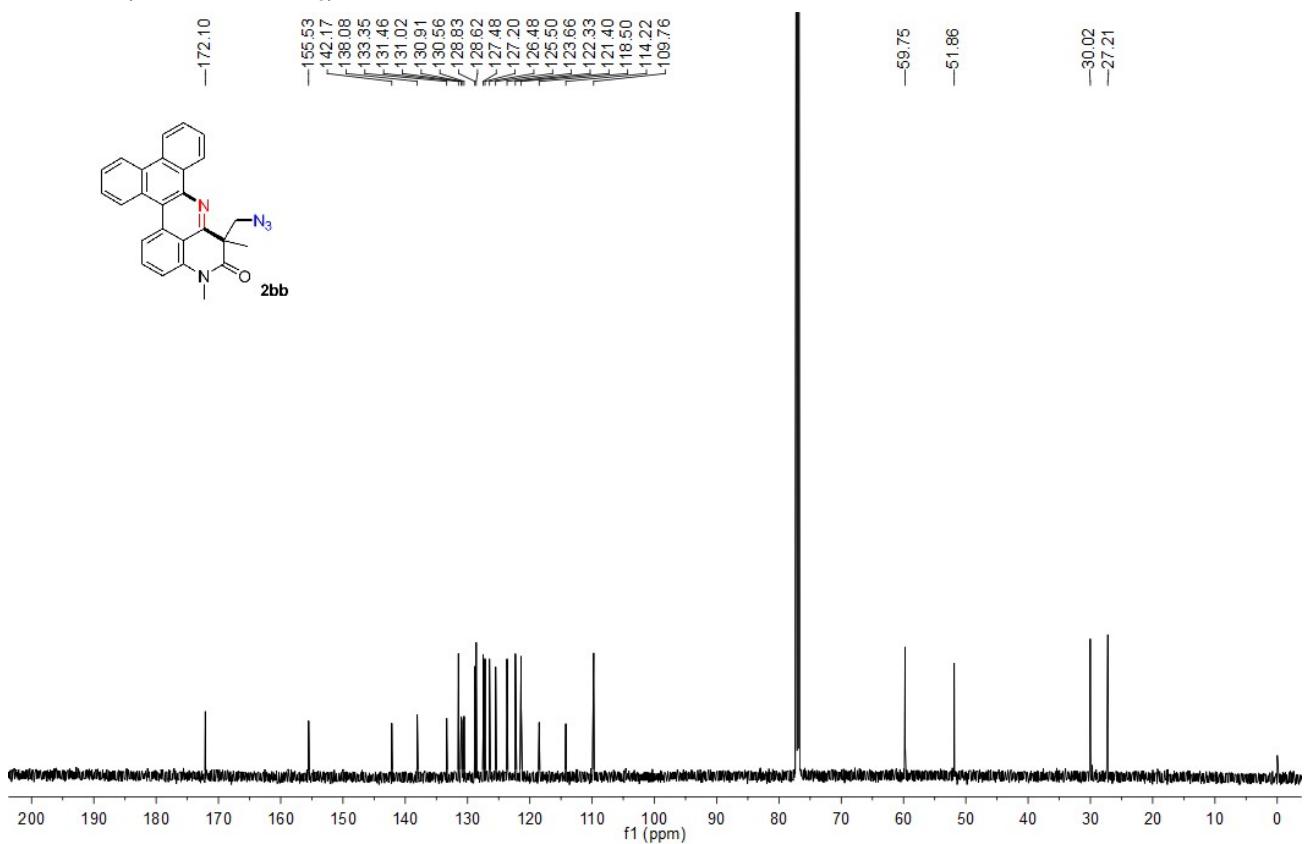
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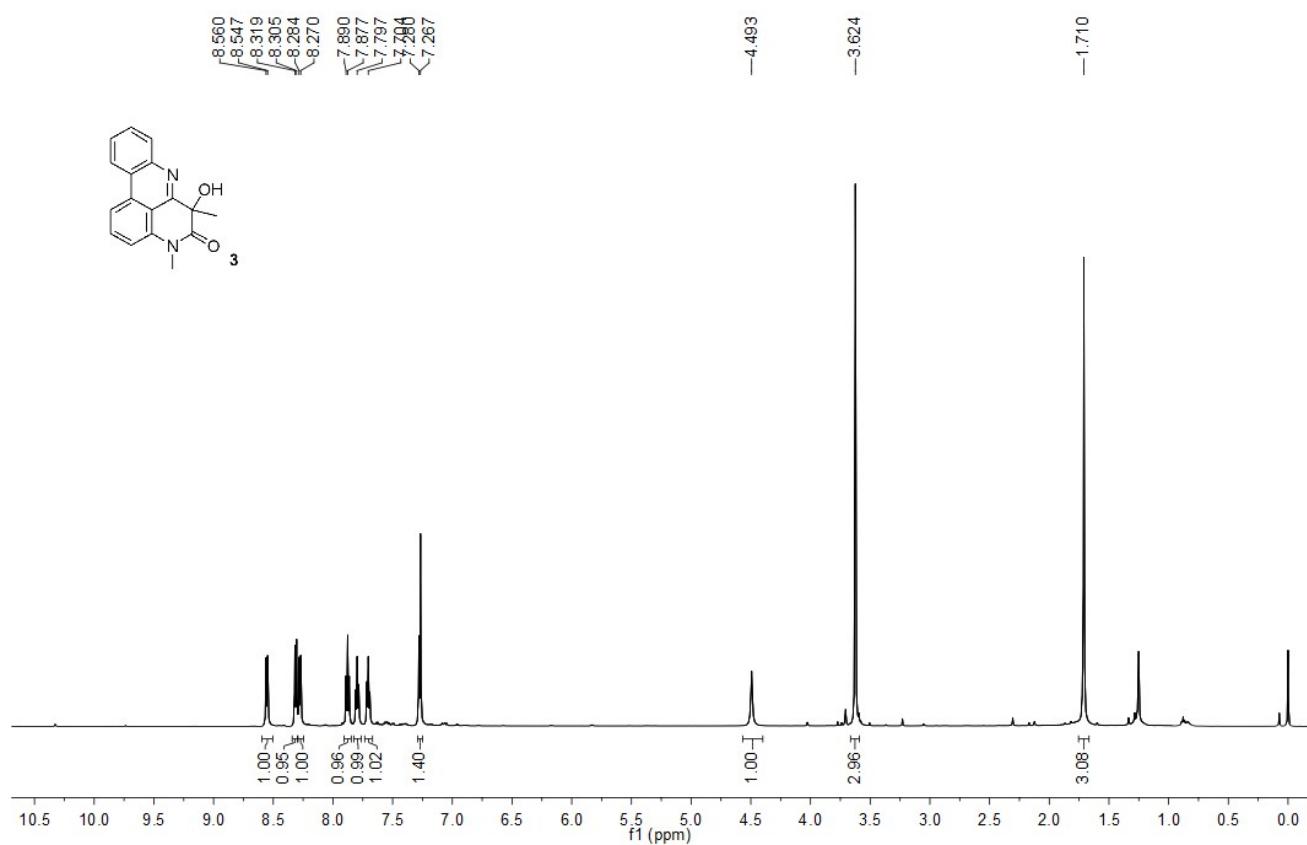
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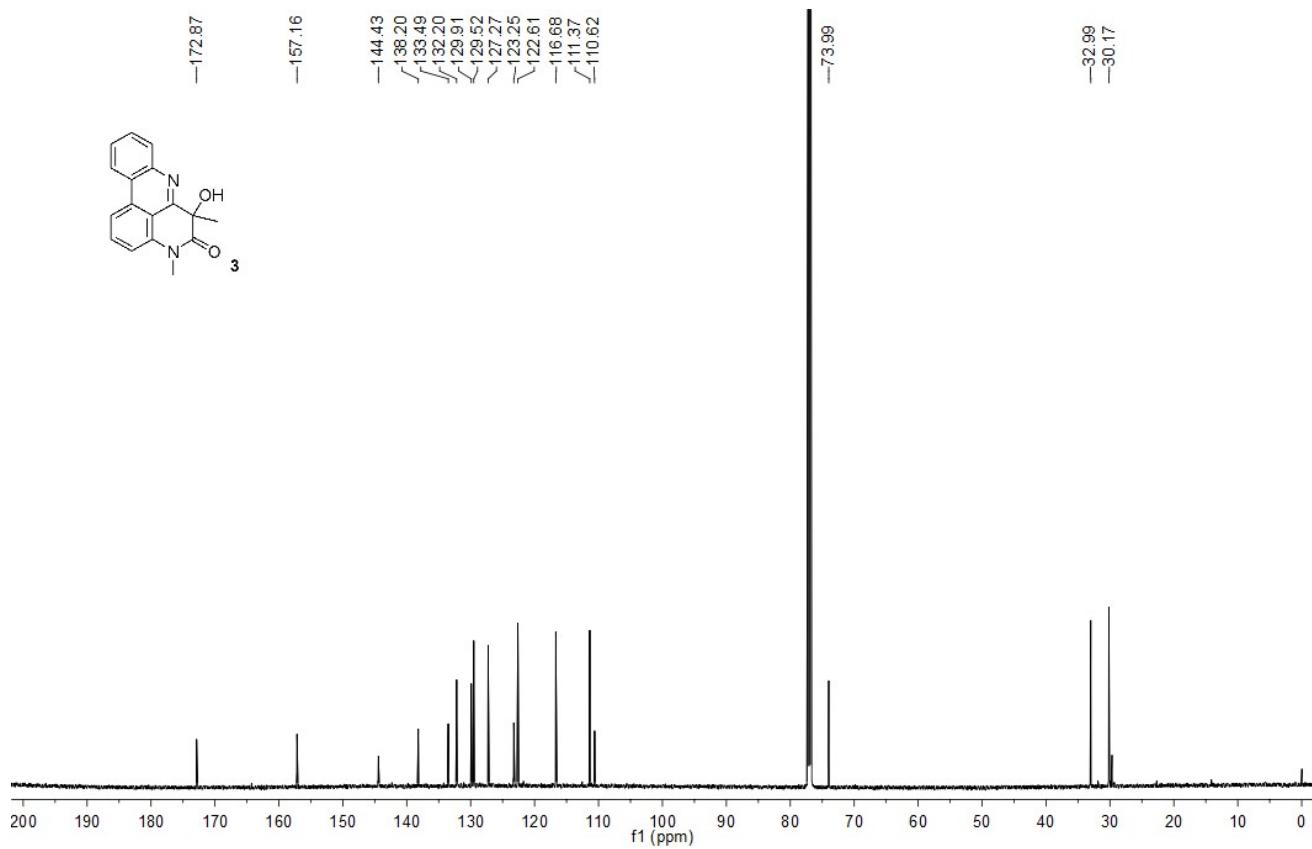
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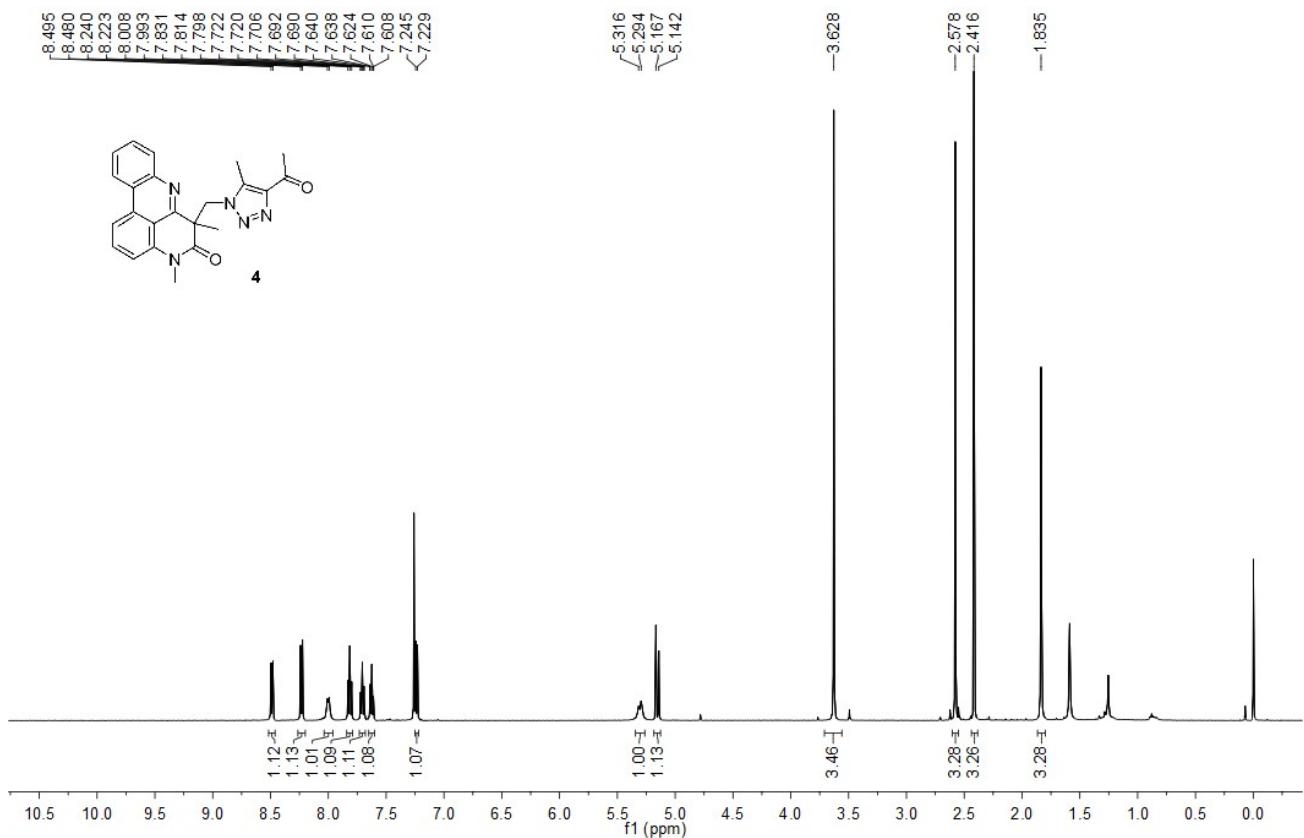
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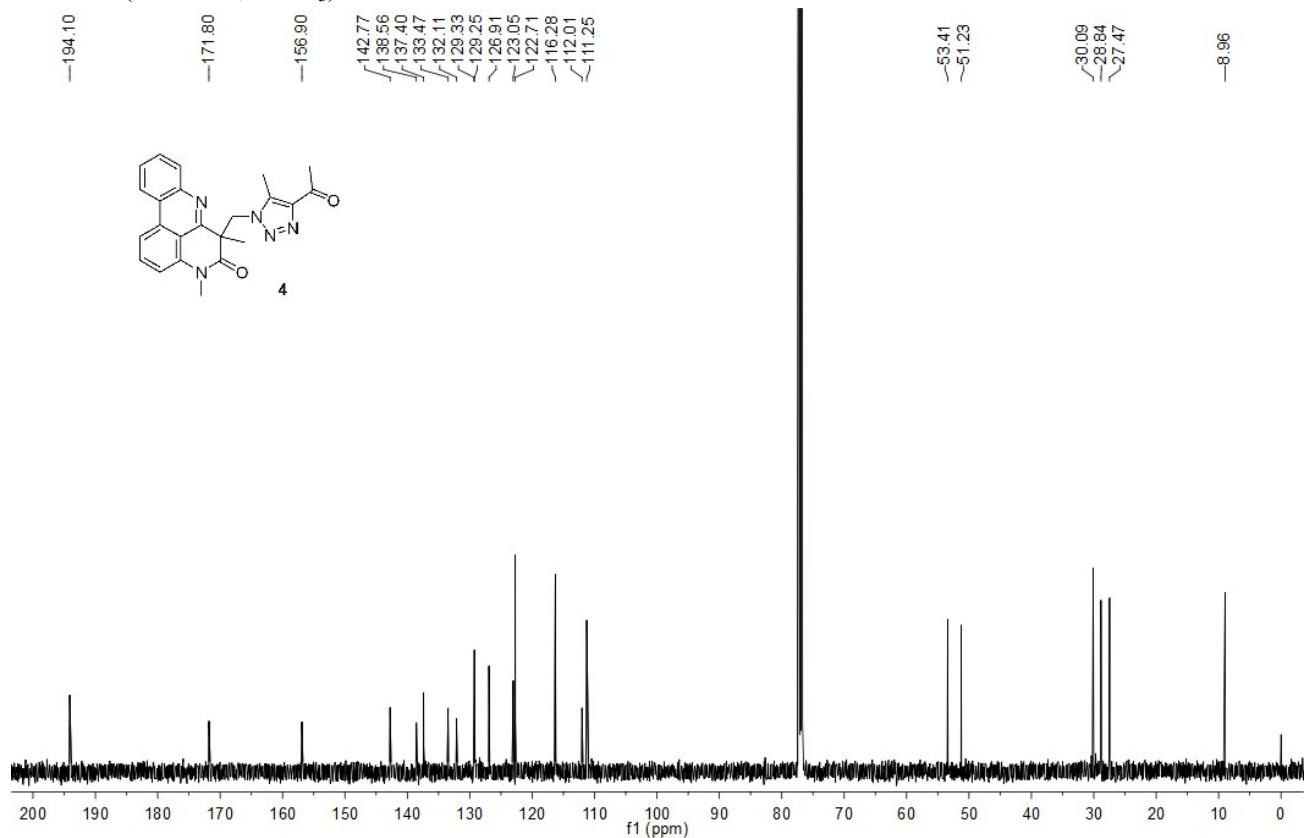
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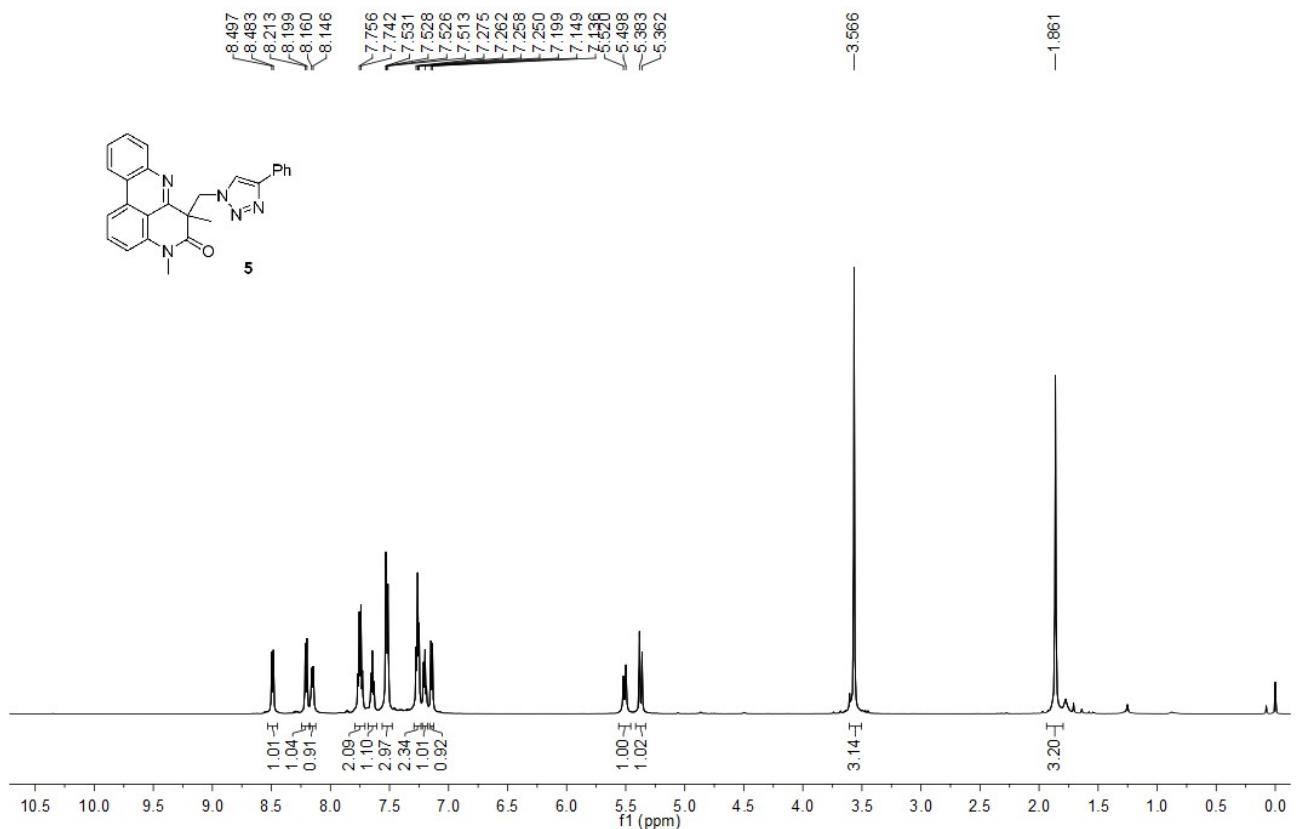
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