Electronic Supplementary Material (ESI) for Organic & Biomolecular Chemistry.
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Electronic Supplementary Information (ESI) For Org. Biomol. Chem.

Microwave-assisted synthesis of hydroxyl-containing isoquinolines by metal-free radical cyclization of vinyl isocyanides with alcohols

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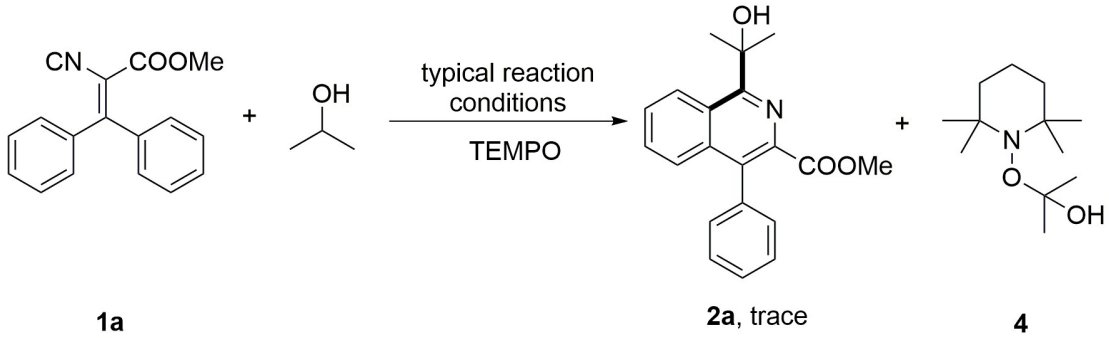
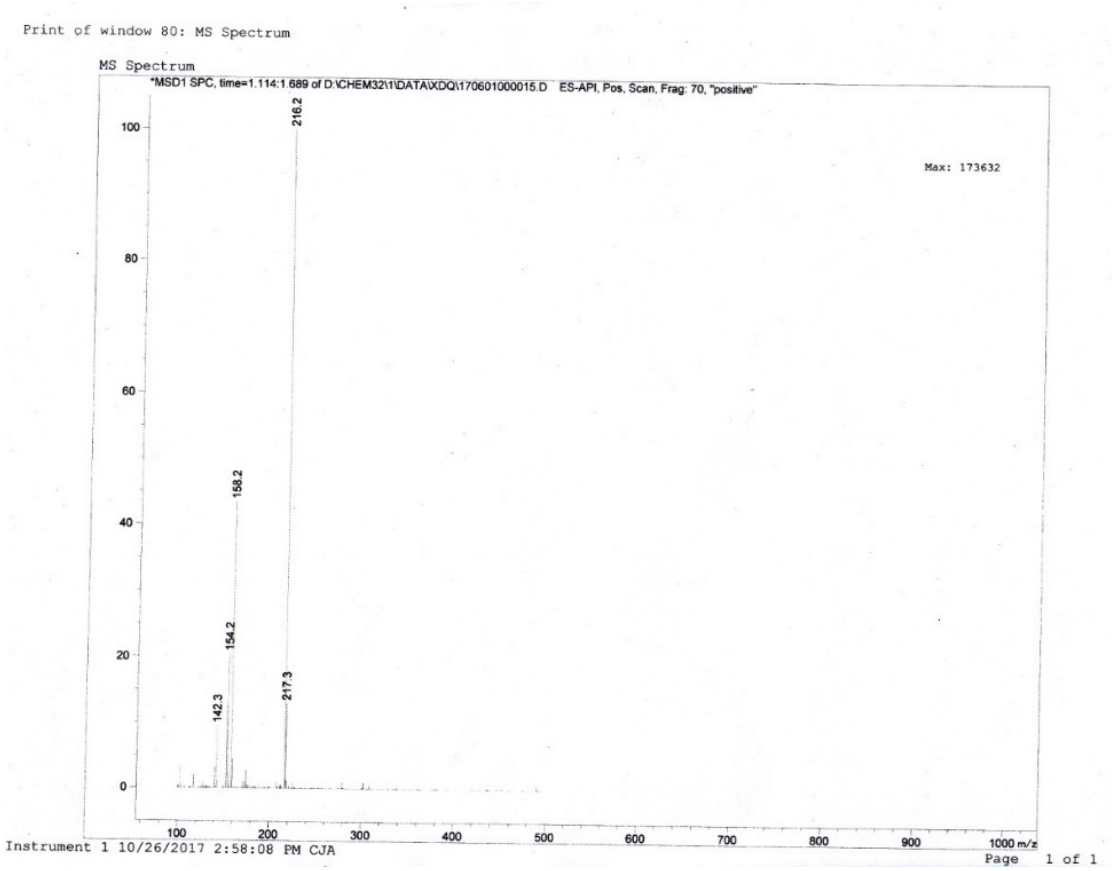
1. ESI-Mass analysis of 4.....S2

2. Copy of ^{1}H NMR and ^{13}C-NMR spectra.....S3-35

1. ESI-Mass analysis of 4

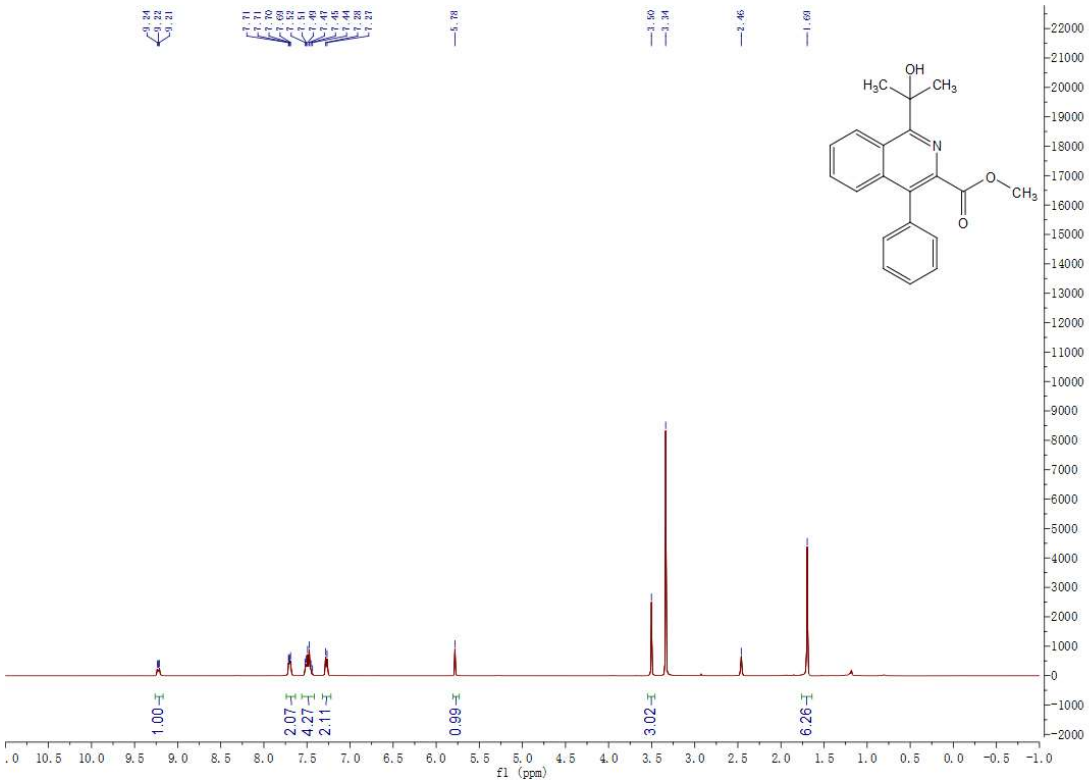


To a microwave reaction vial were added **1a** (1 equiv, 0.2 mmol), DBU (30 mol%, 0.06 mmol), TBPB (3 equiv, 0.6 mmol), TEMPO (6 equiv, 1.2 mmol), and isopropanol (5 mL). Then the vial was charged with argon and stirred at the indicated temperature under microwave-assisted condition for 1h. The reaction mixture was subjected to ESI-mass (positive mode) spectroscopic analysis. Almost no **2a** was observed. LCMS (ESI) for **4**: calcd for $C_{12}H_{25}NO_2$ $[M+H]^+$ 216.2, found 216.2.



2. Copies of the ^{1}H NMR, ^{13}C NMR

2a-^{1}H NMR



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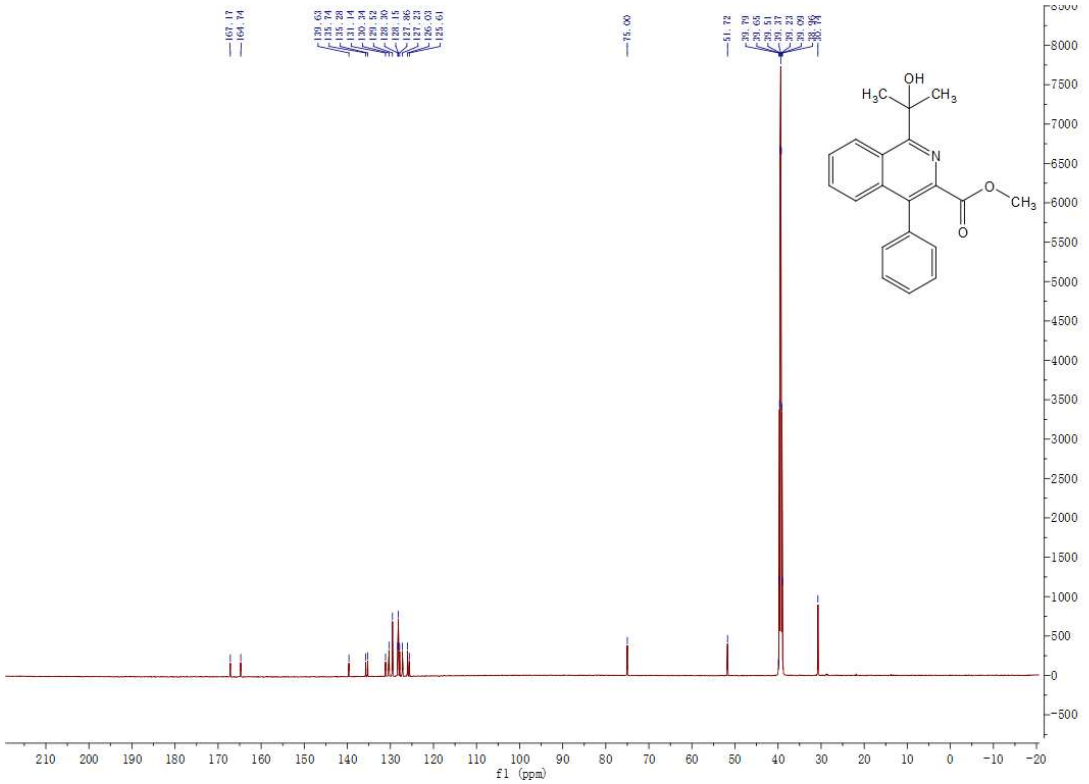

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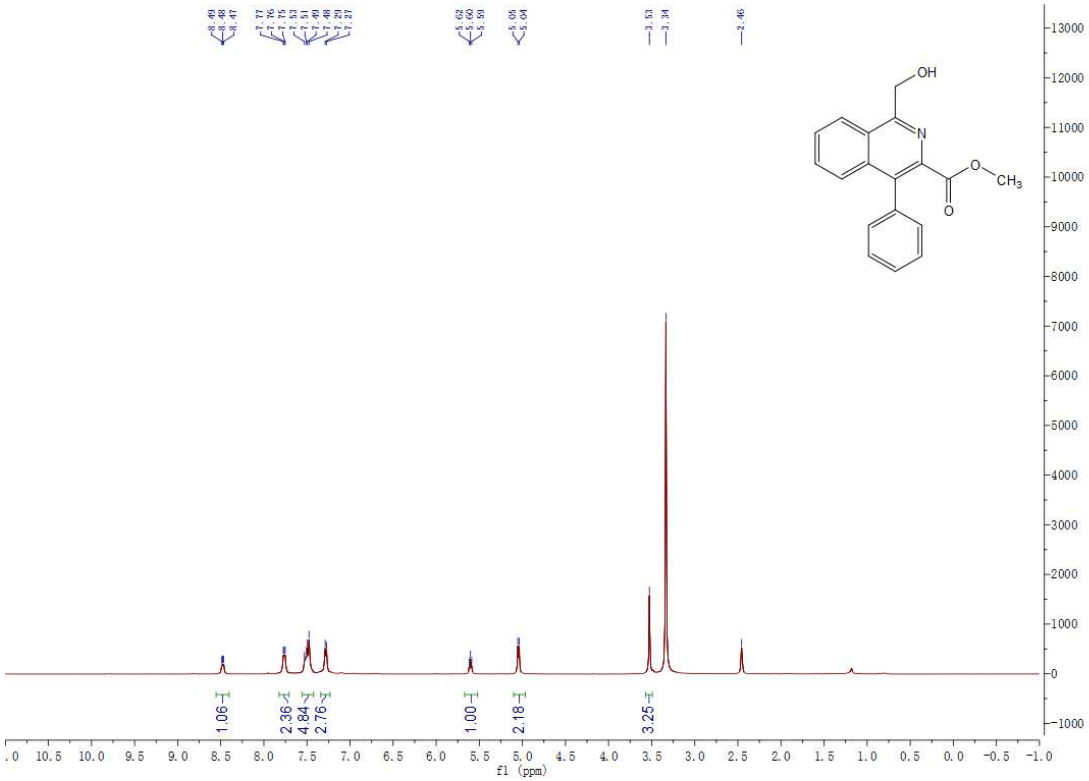

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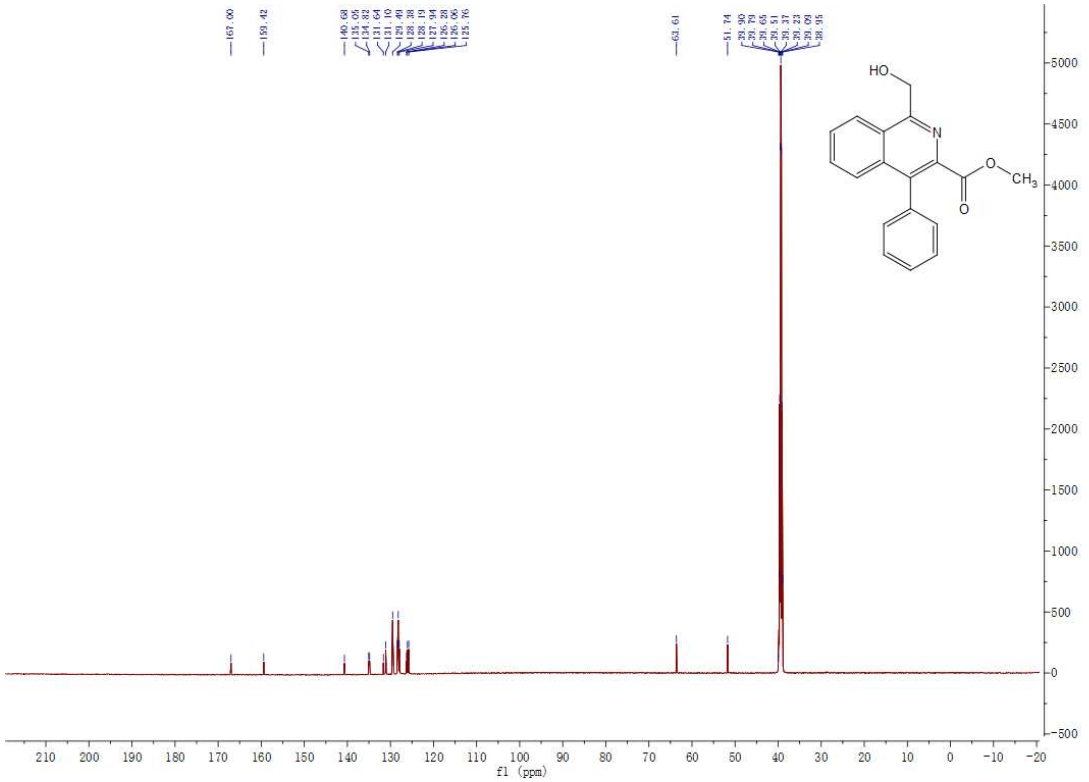

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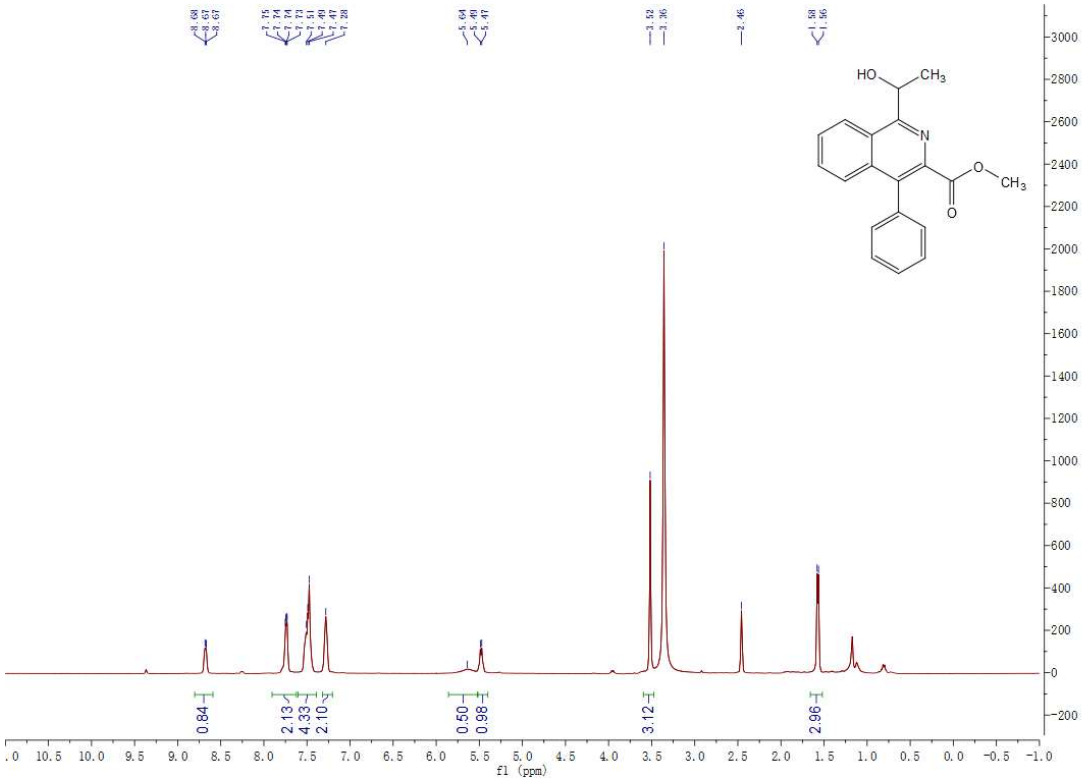

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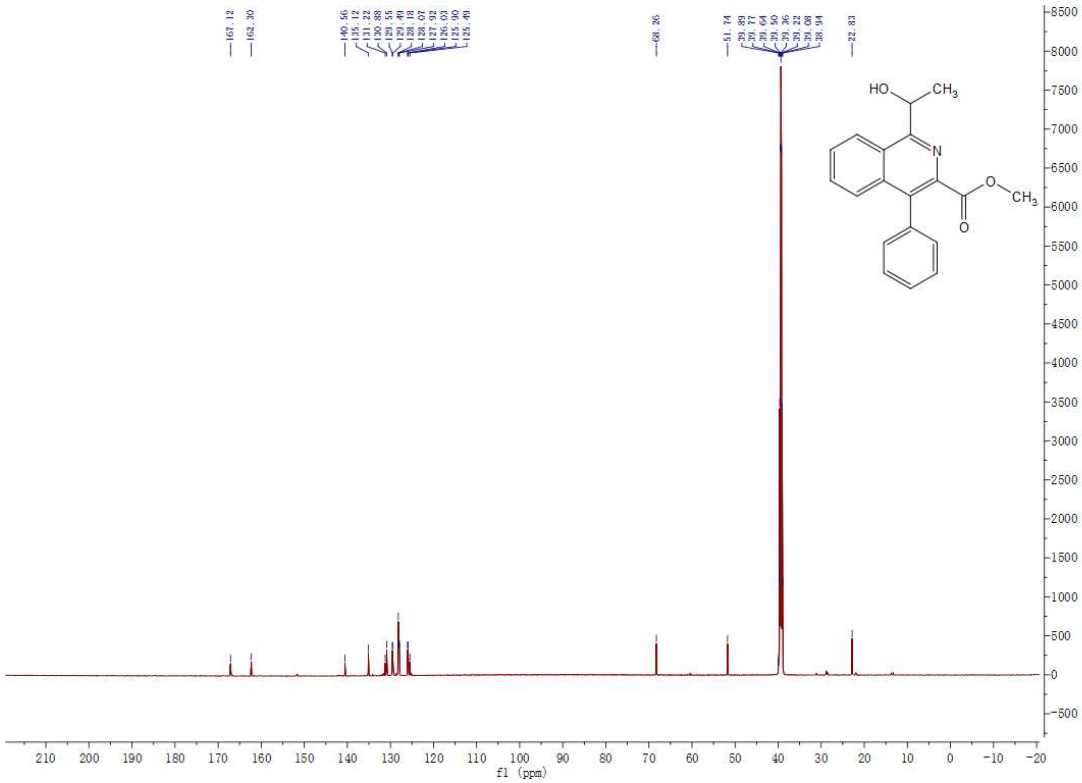

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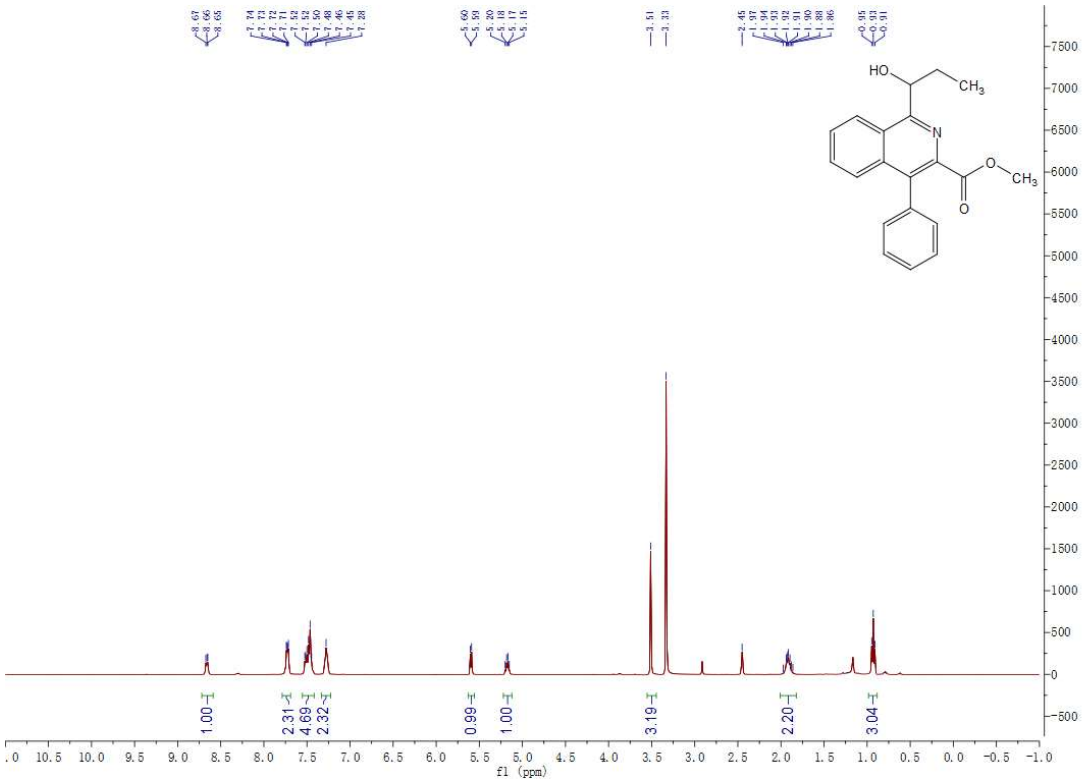

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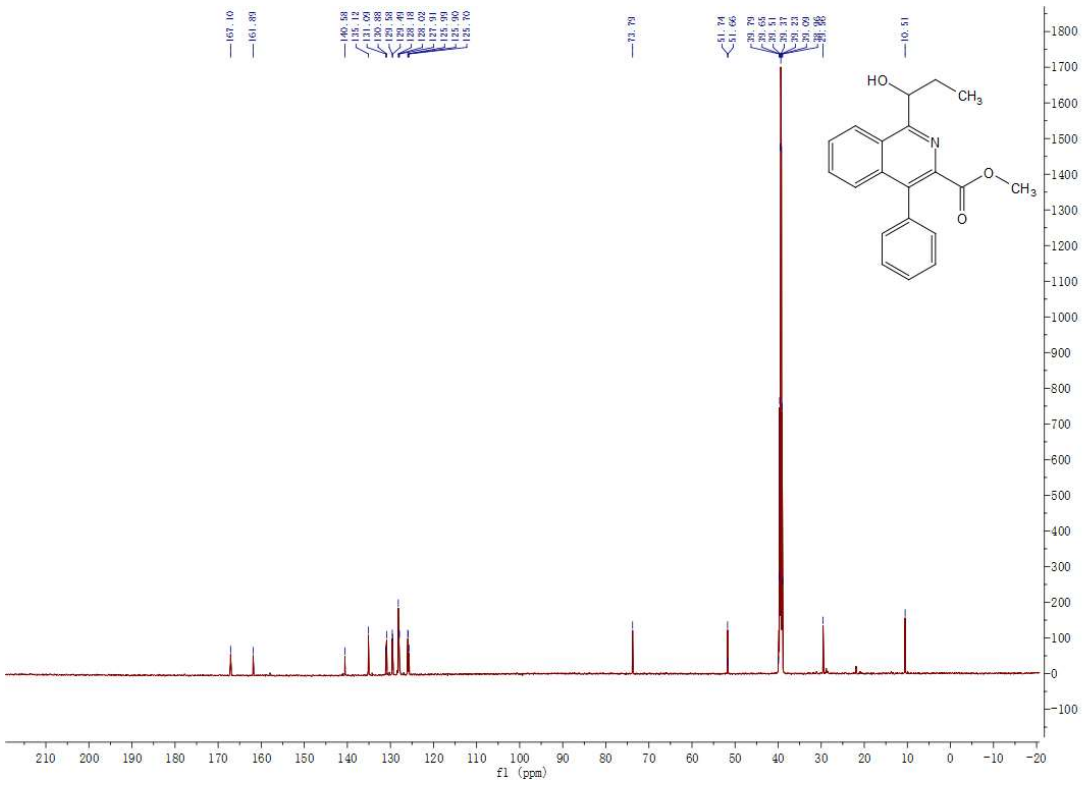

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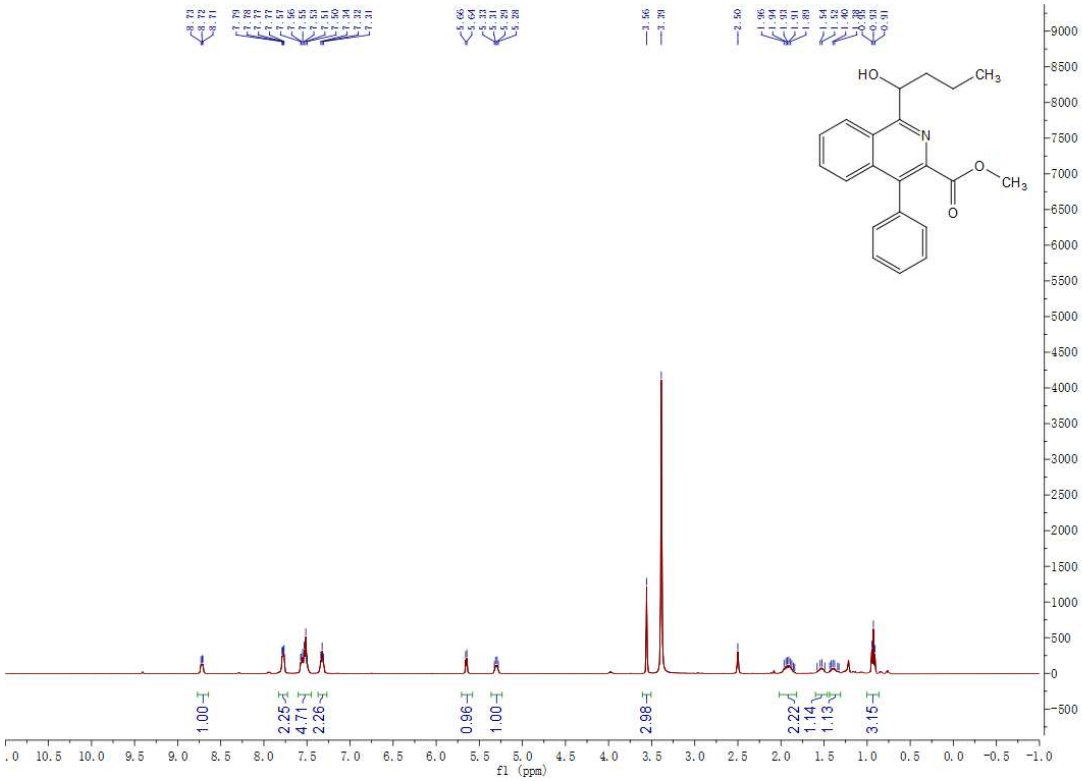

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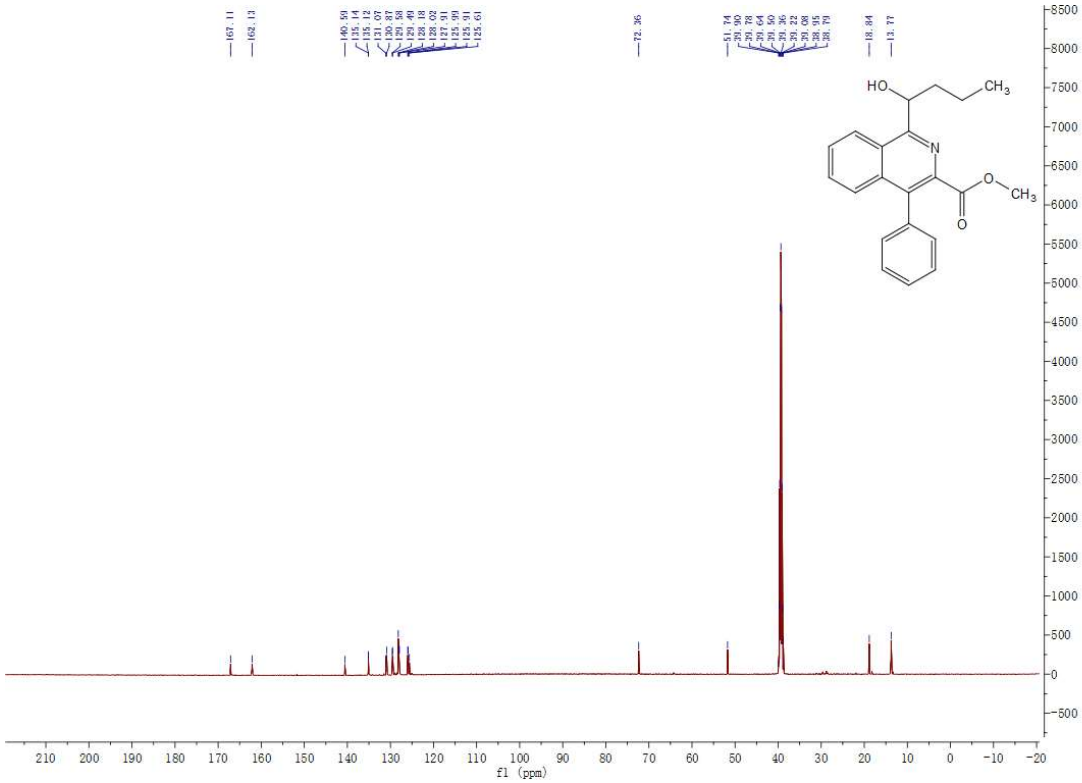

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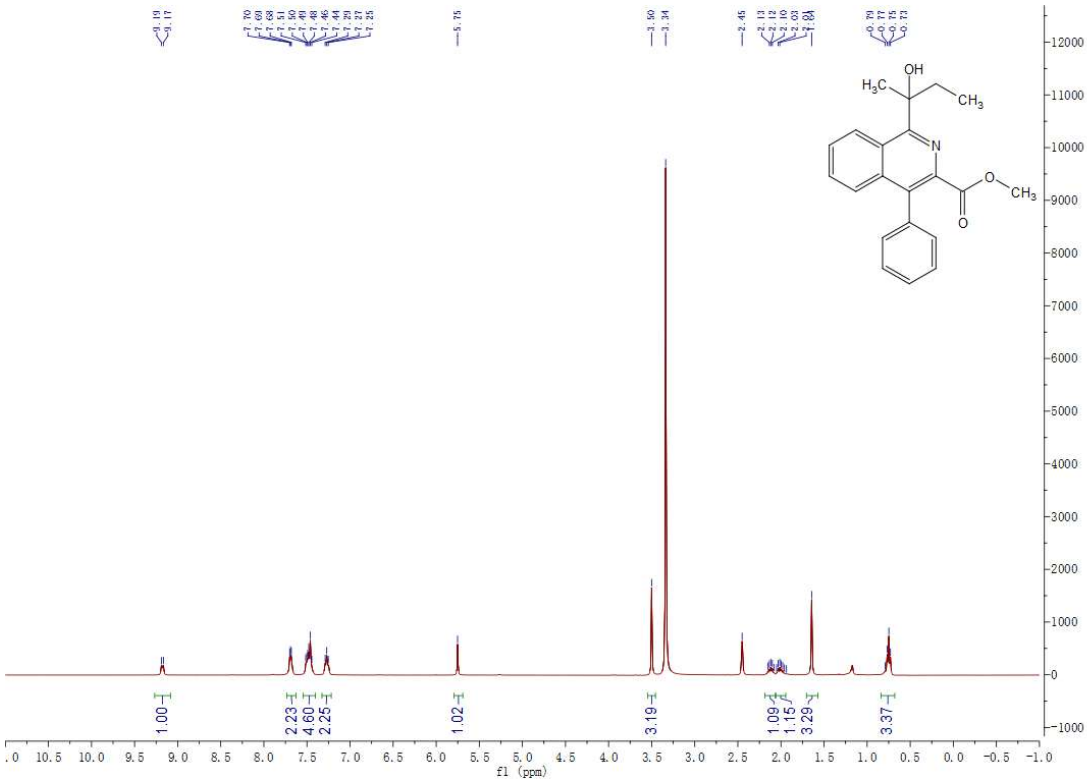

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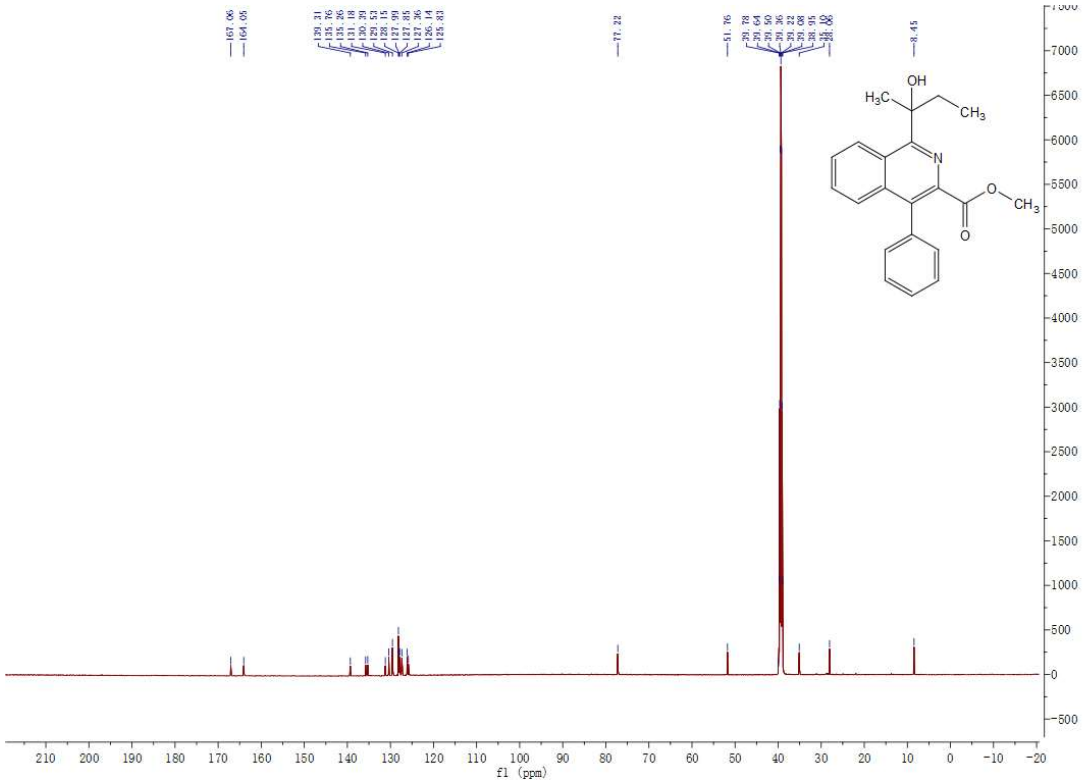

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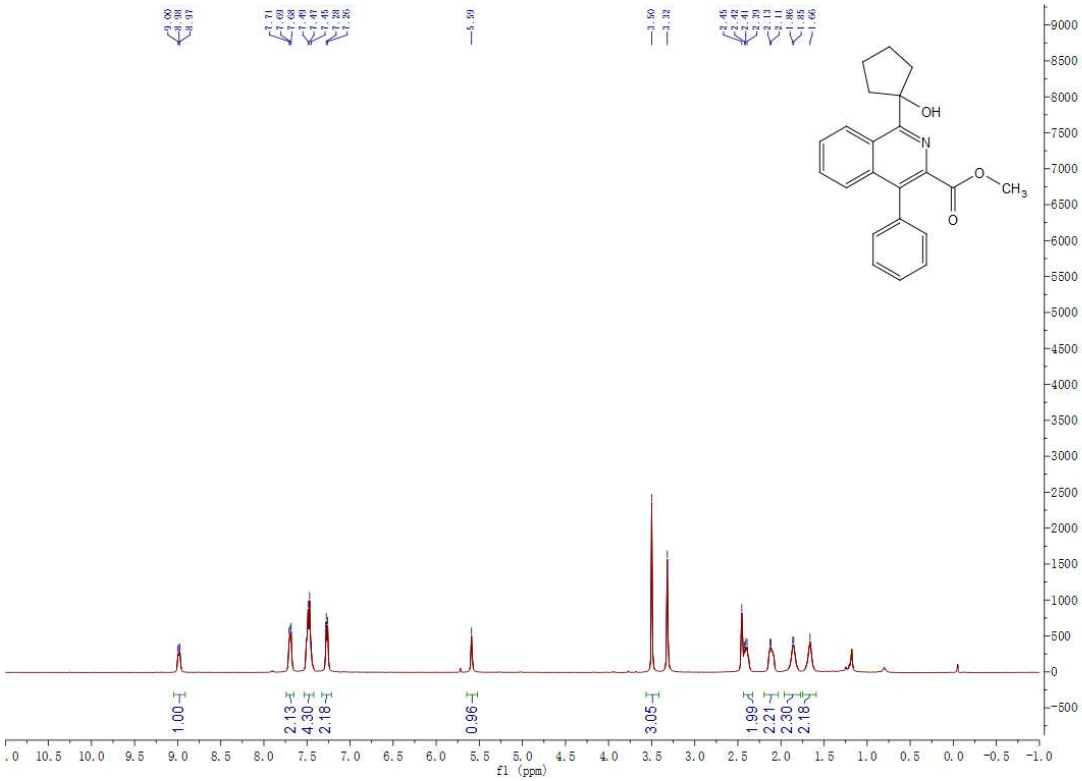

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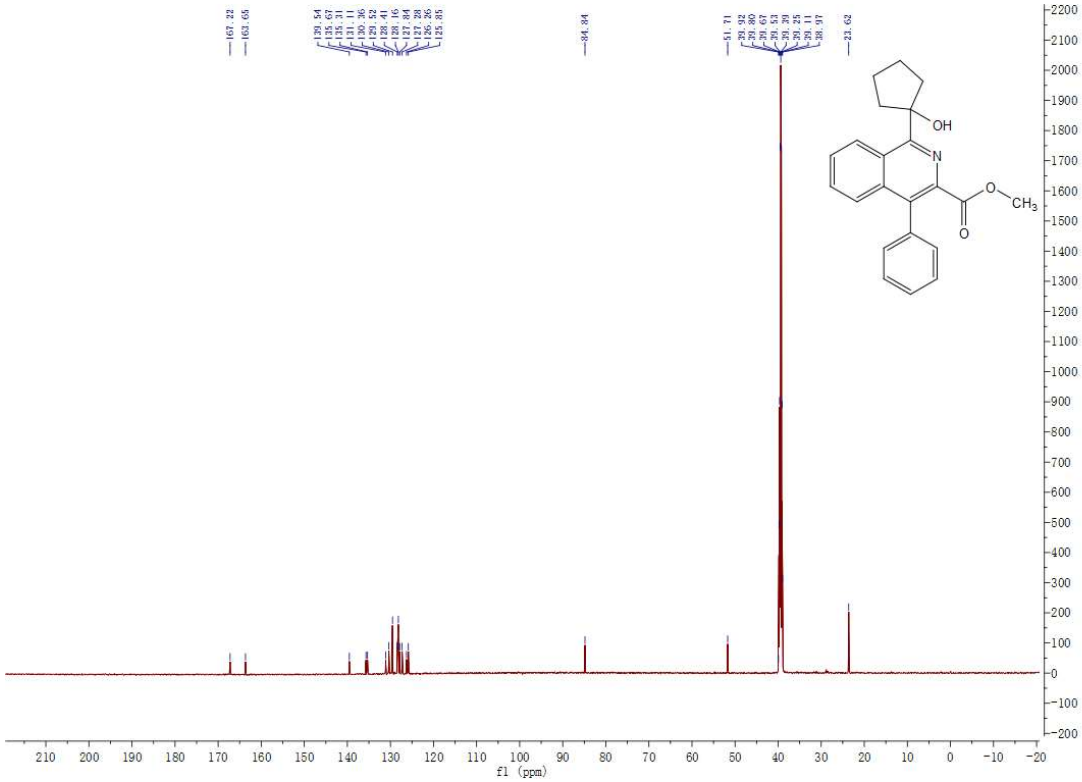

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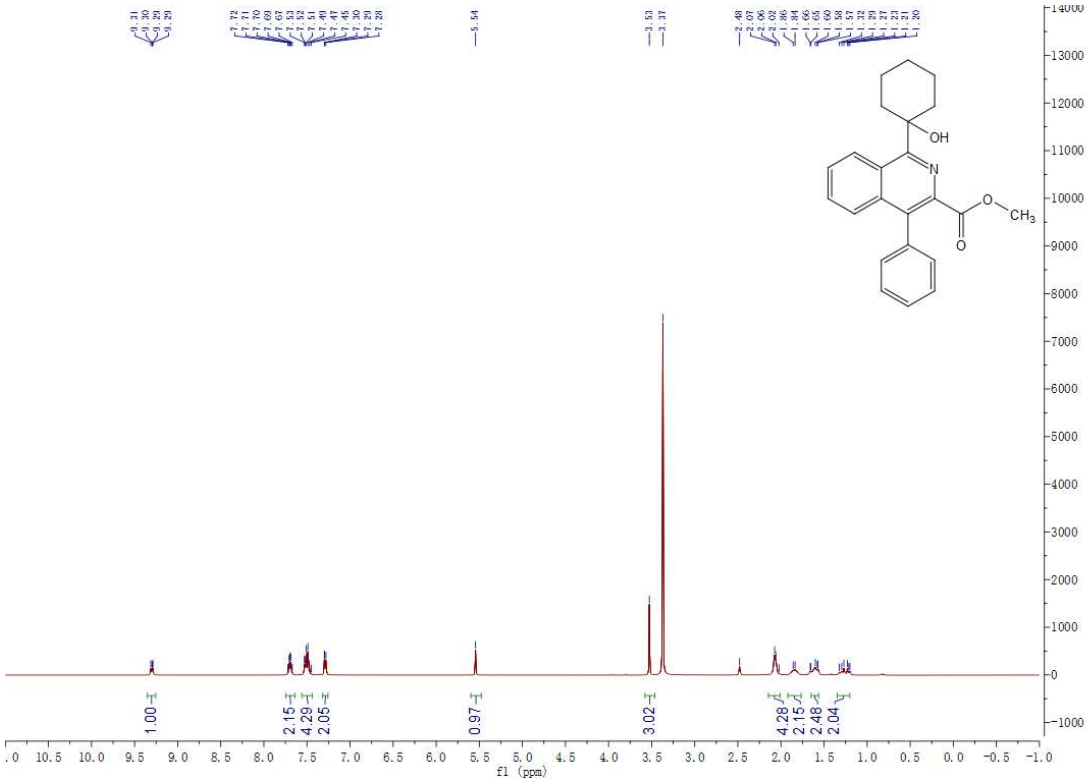

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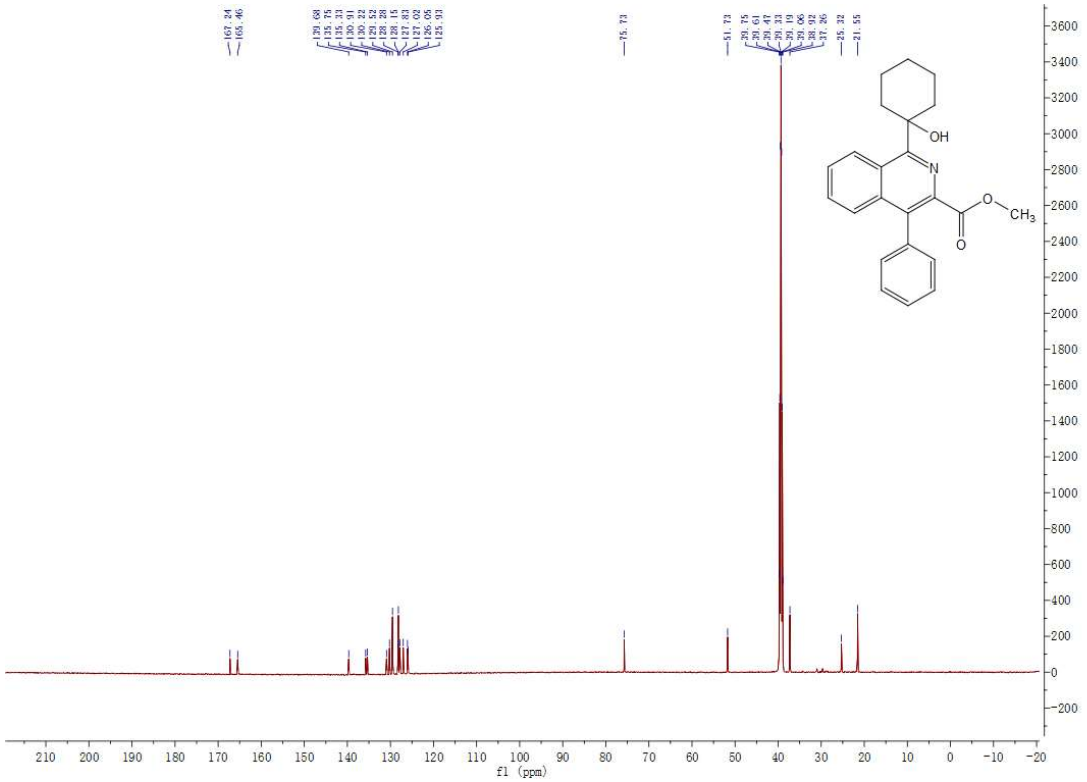

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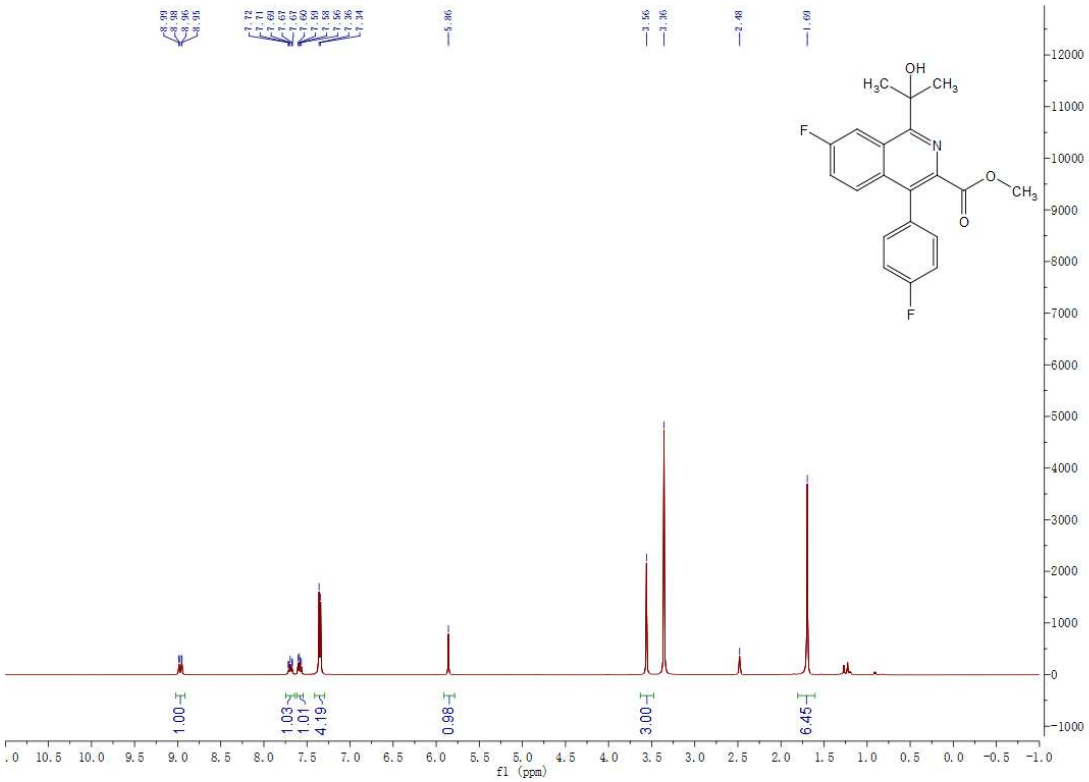

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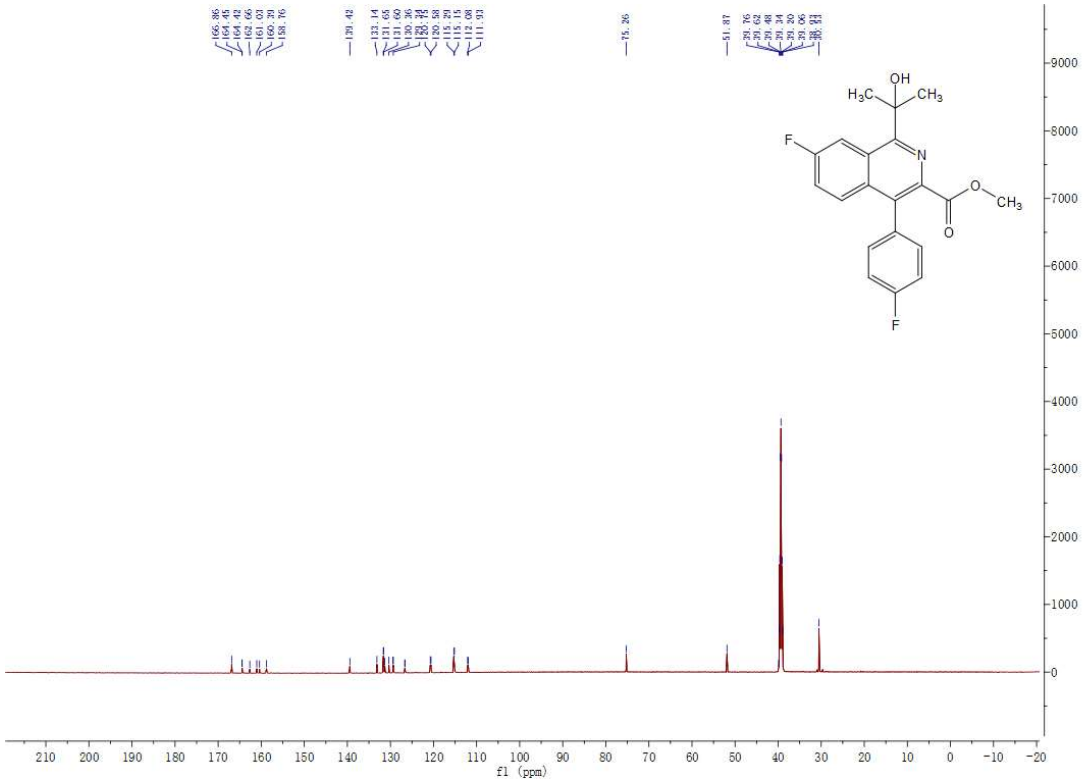

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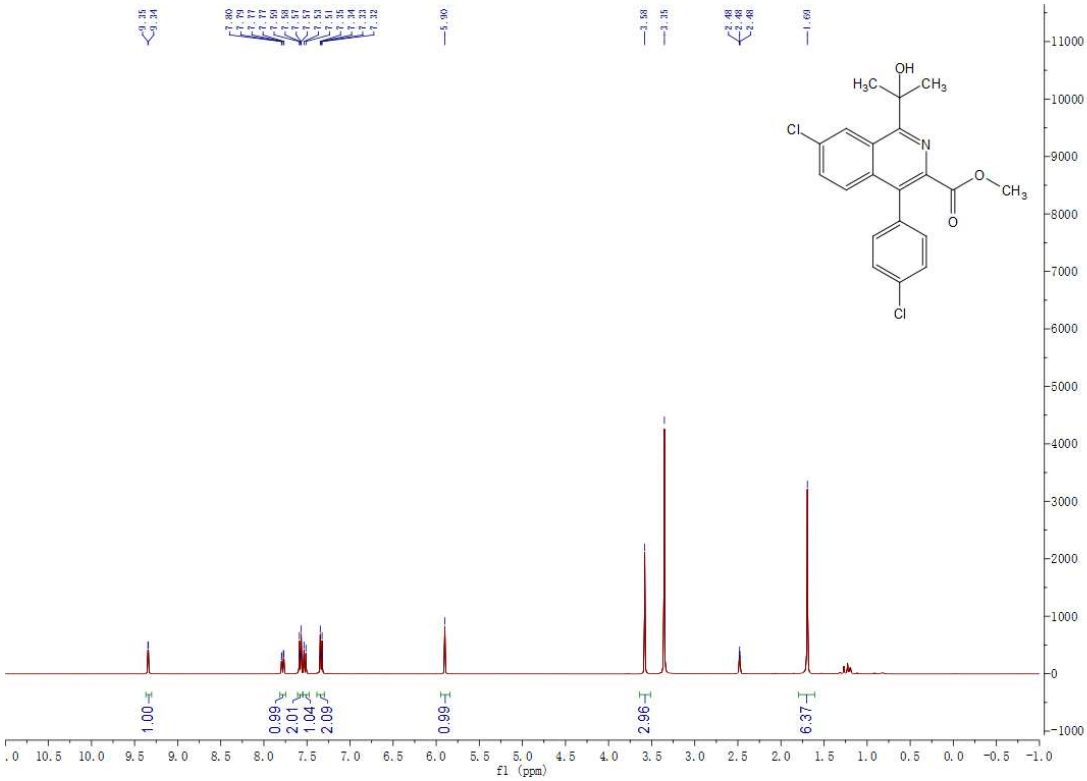

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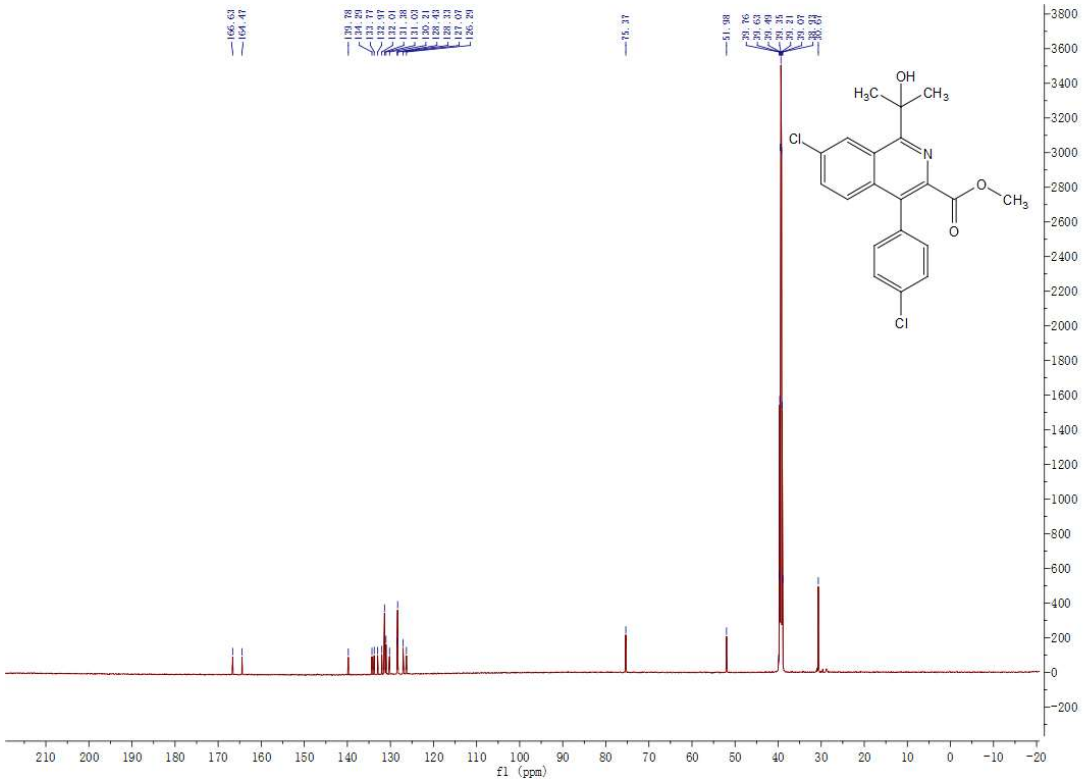

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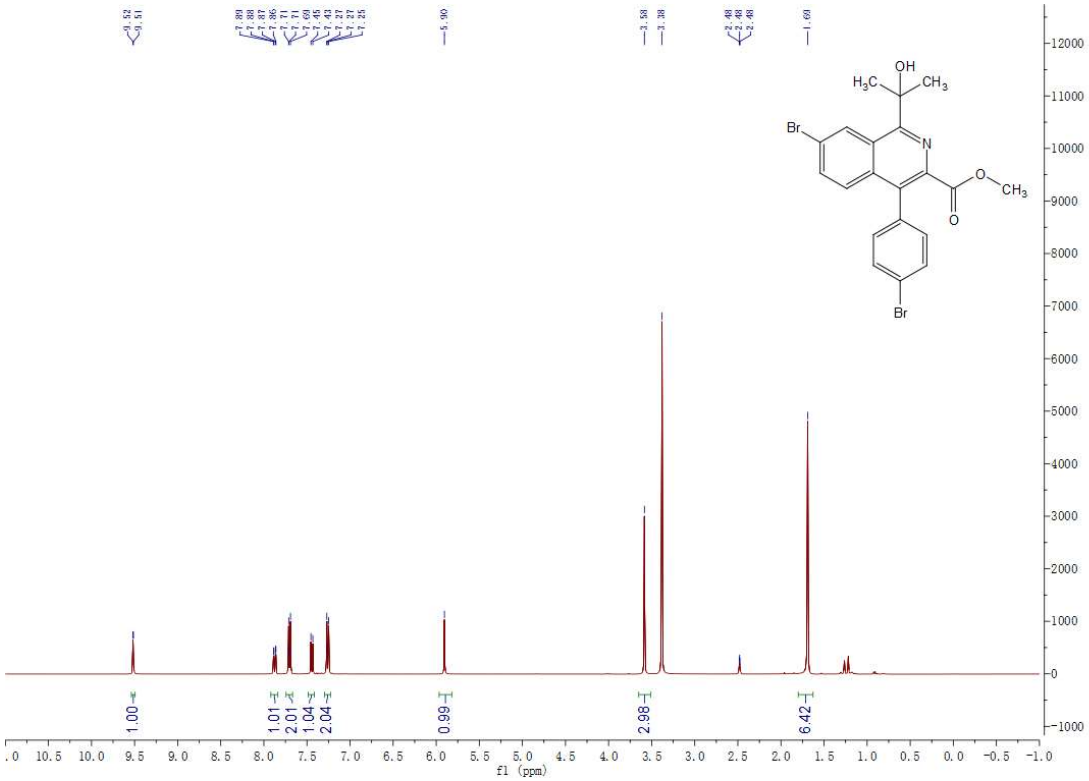

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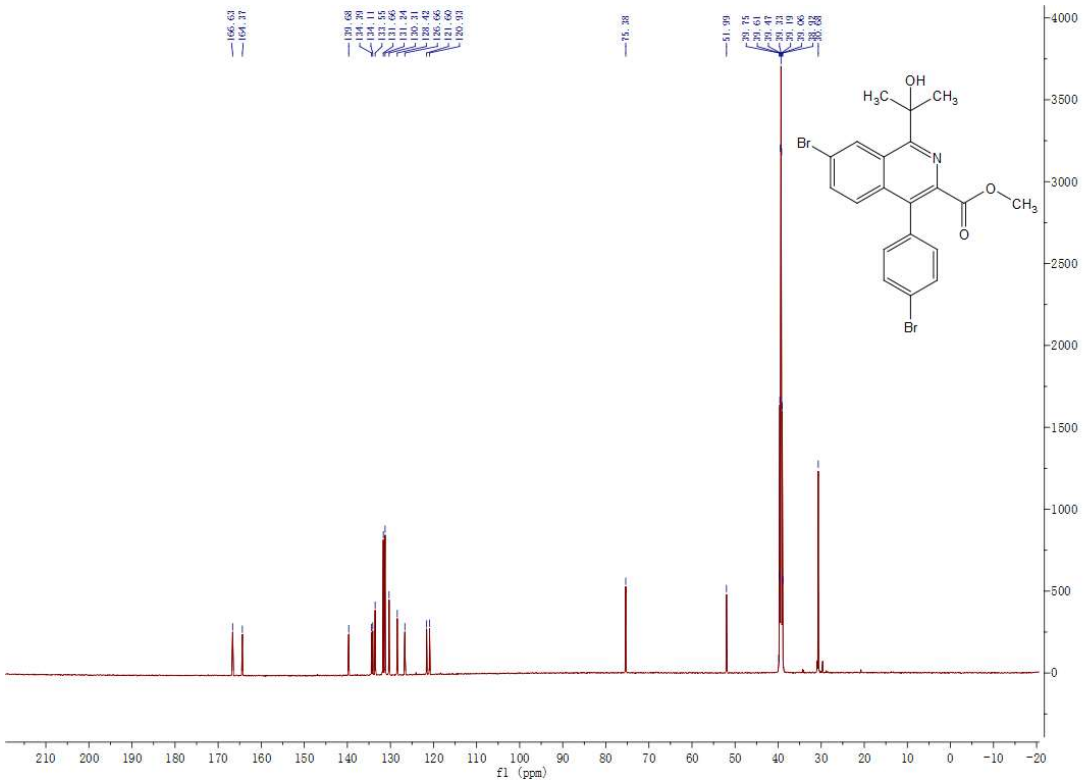

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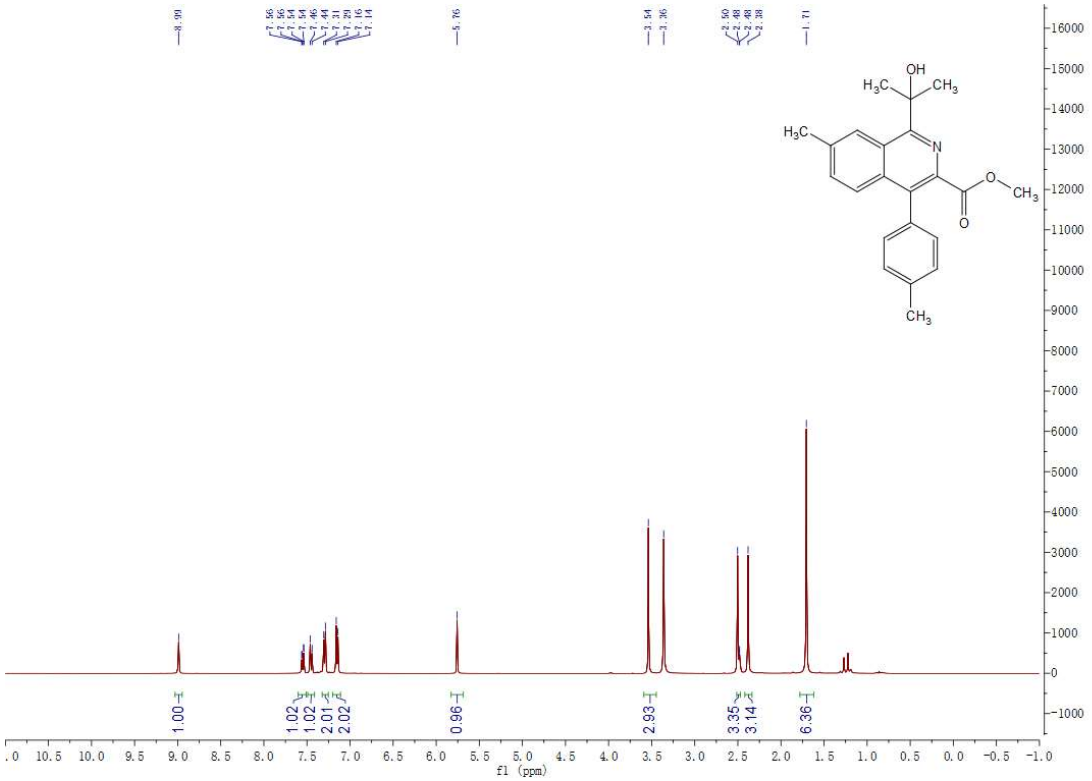

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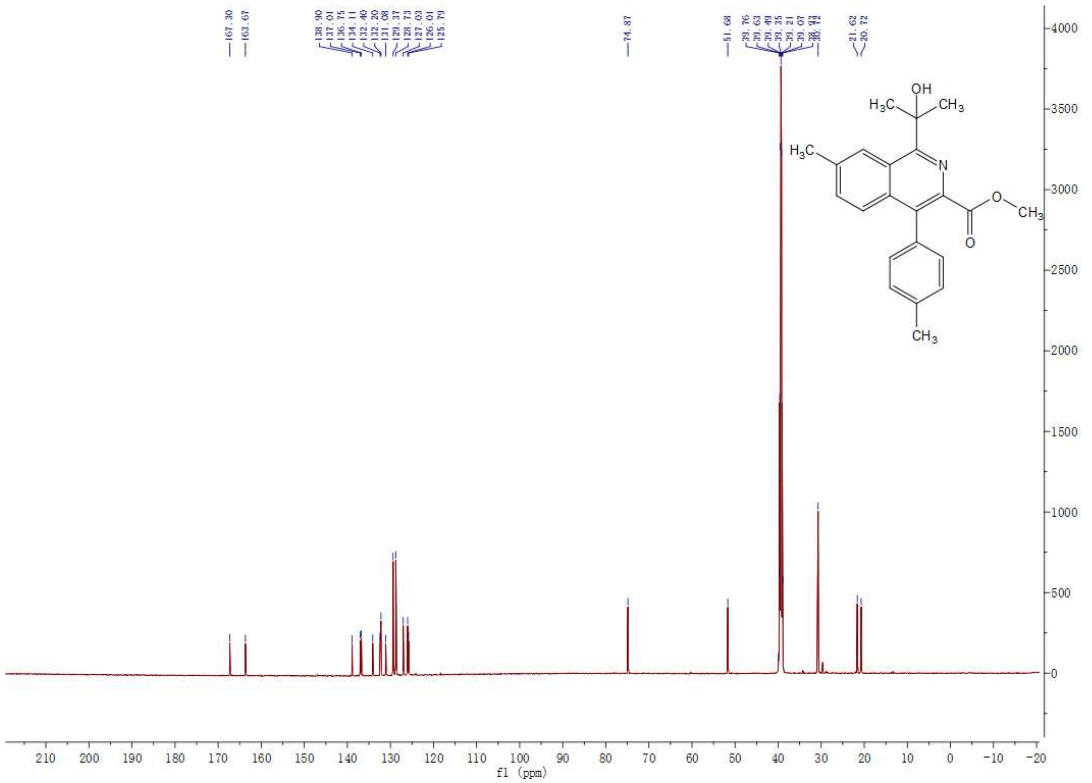

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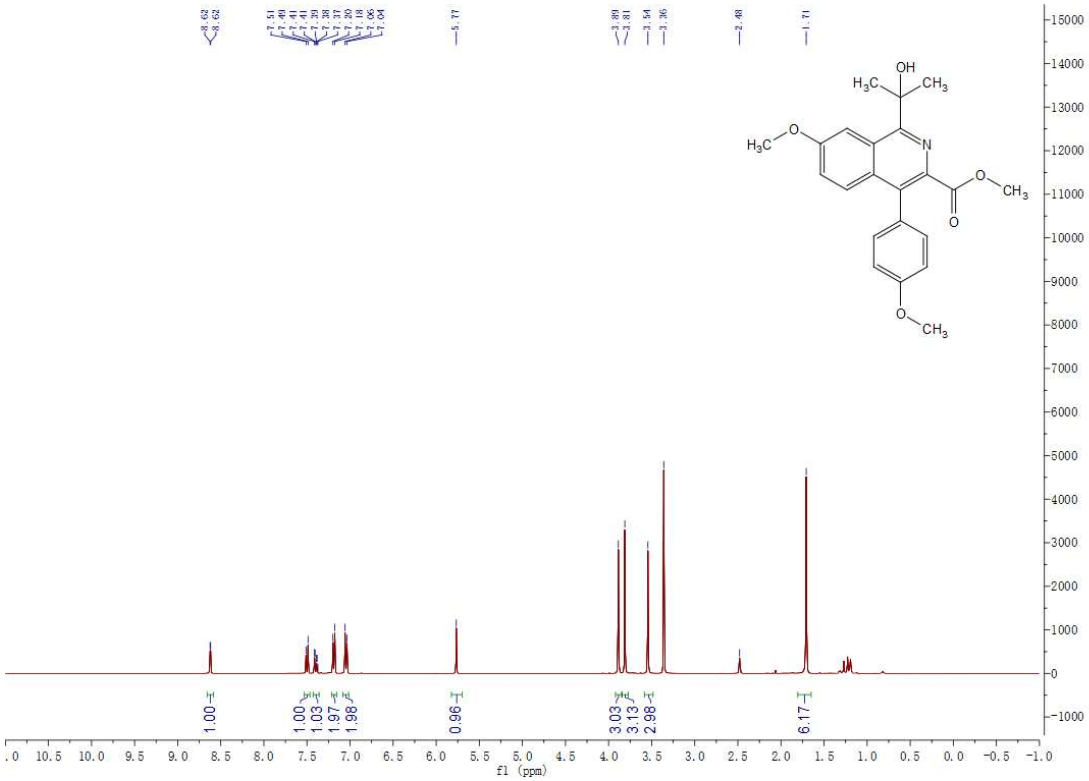

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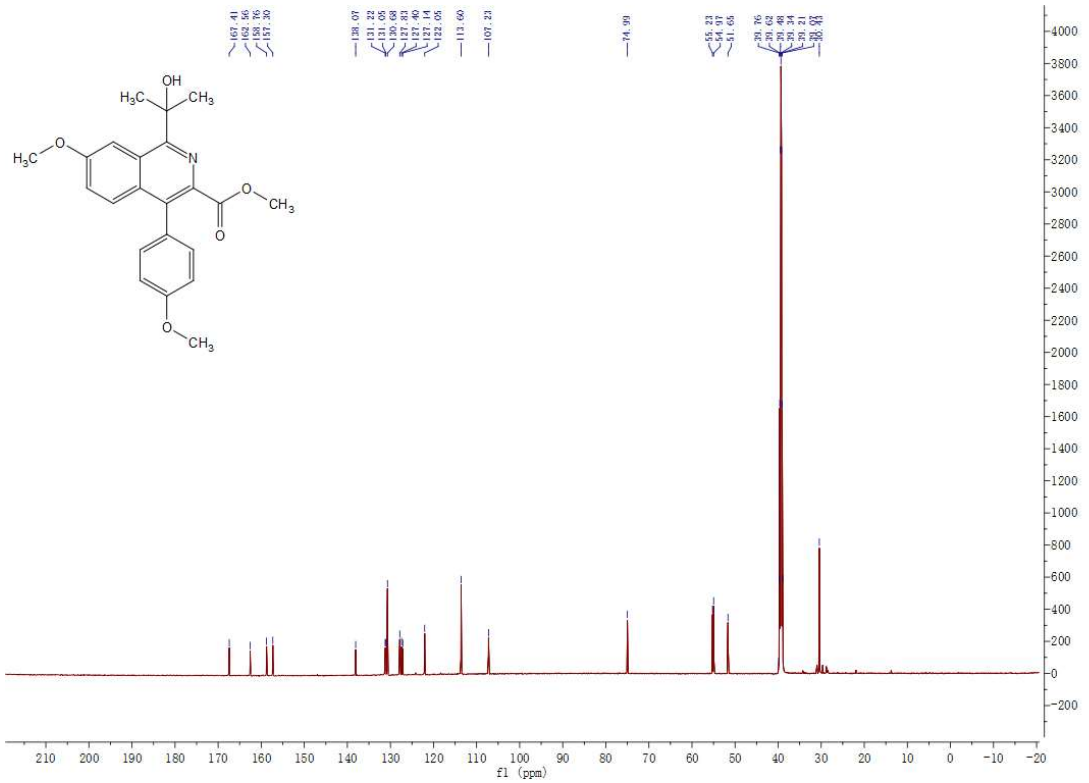

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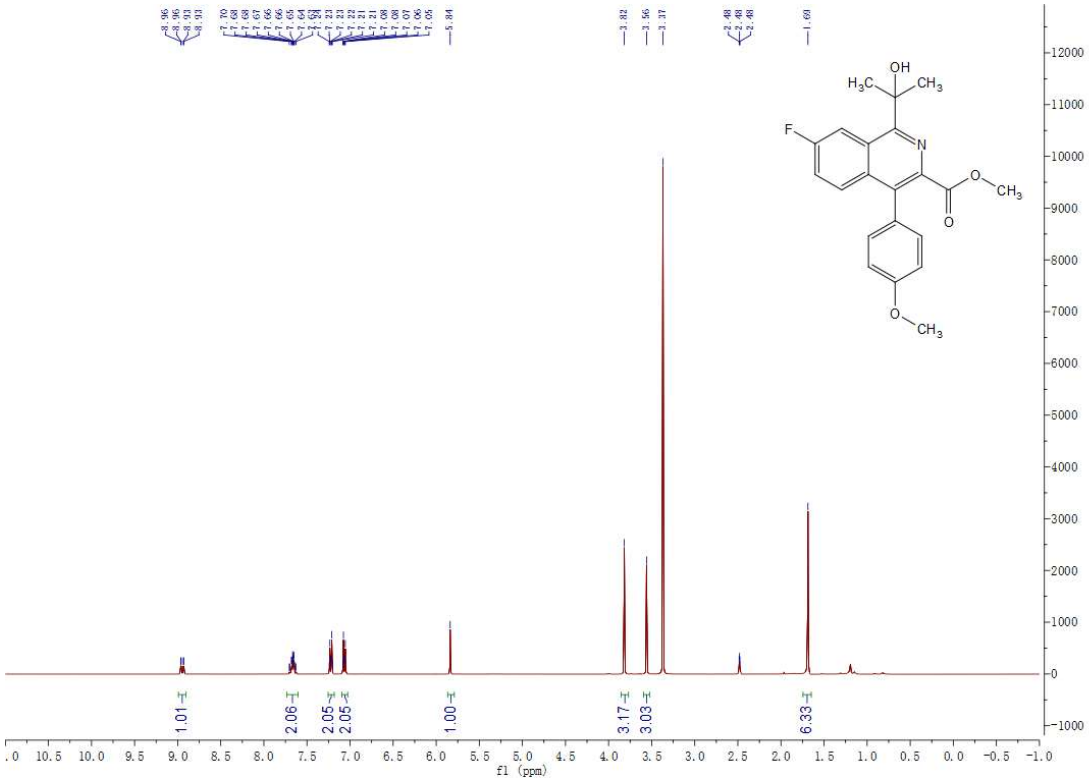

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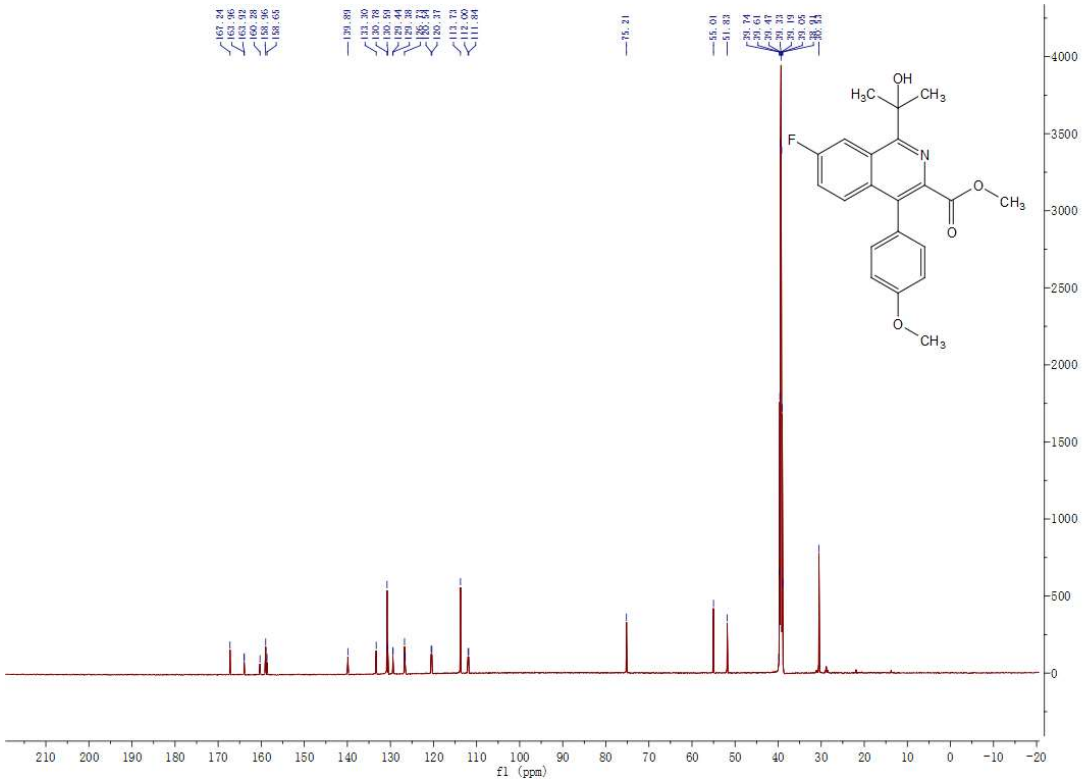

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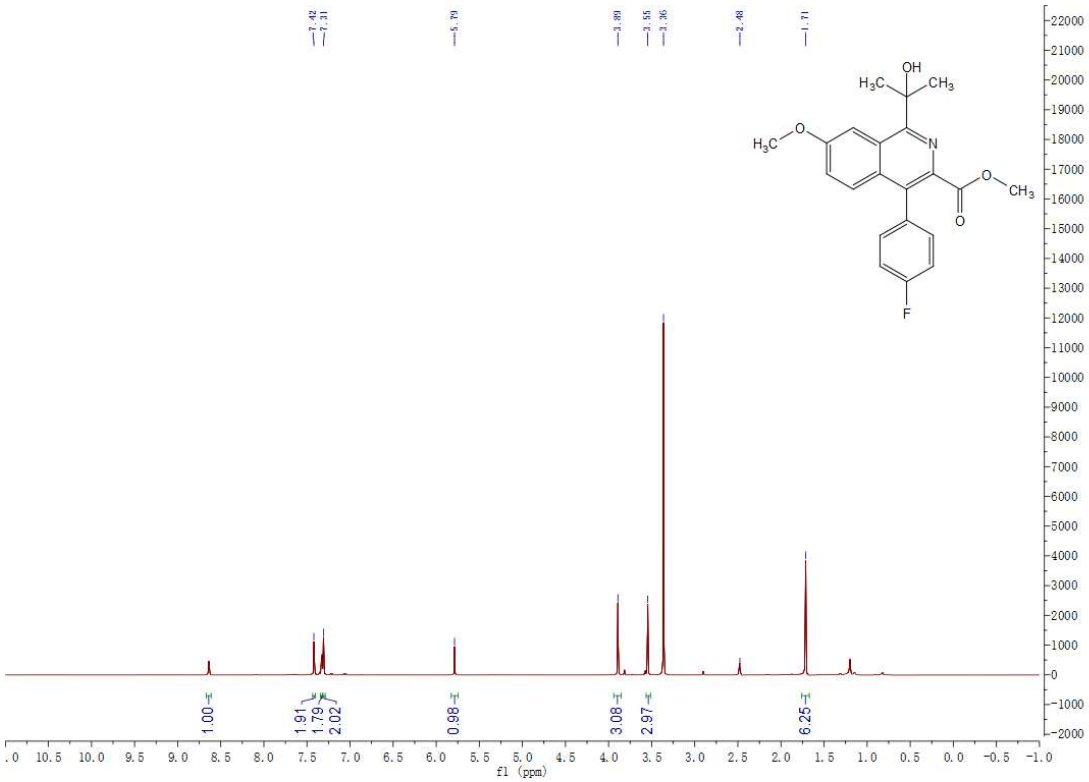

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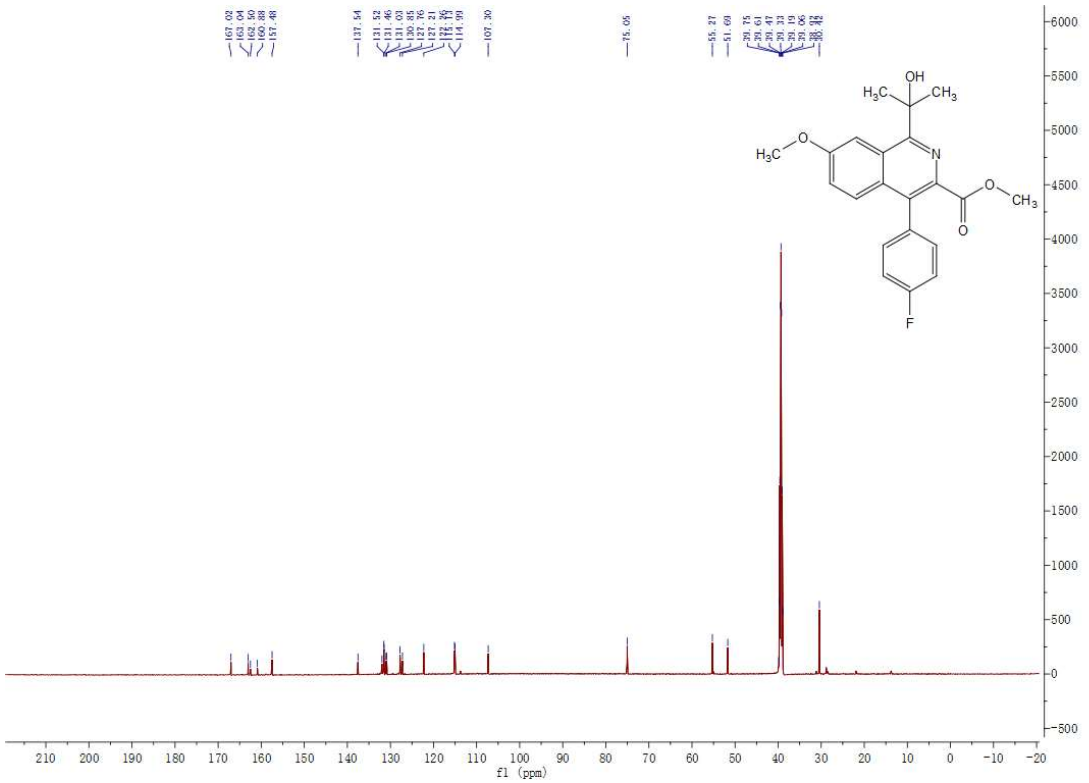

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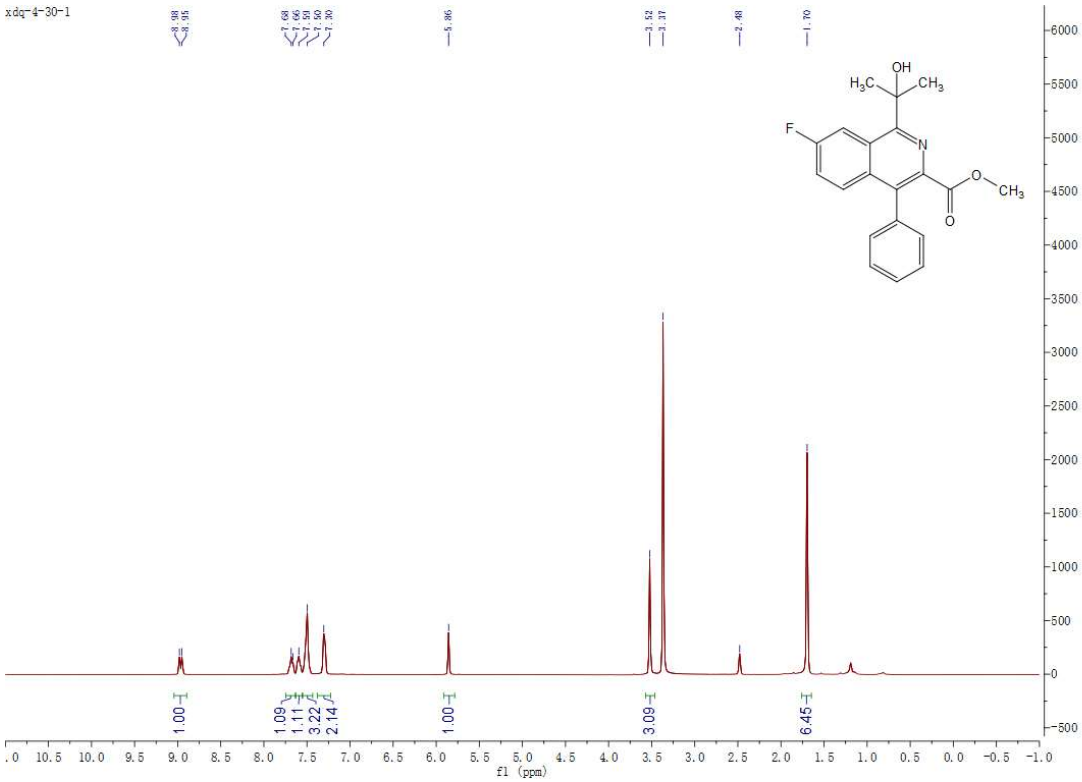

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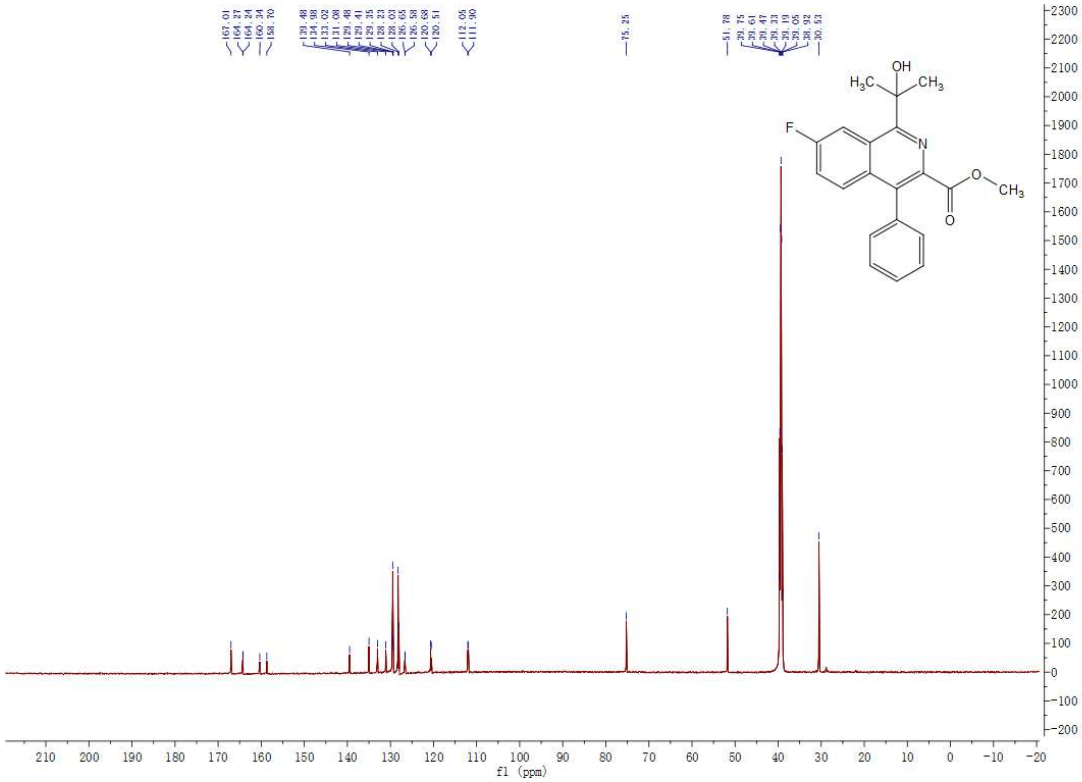

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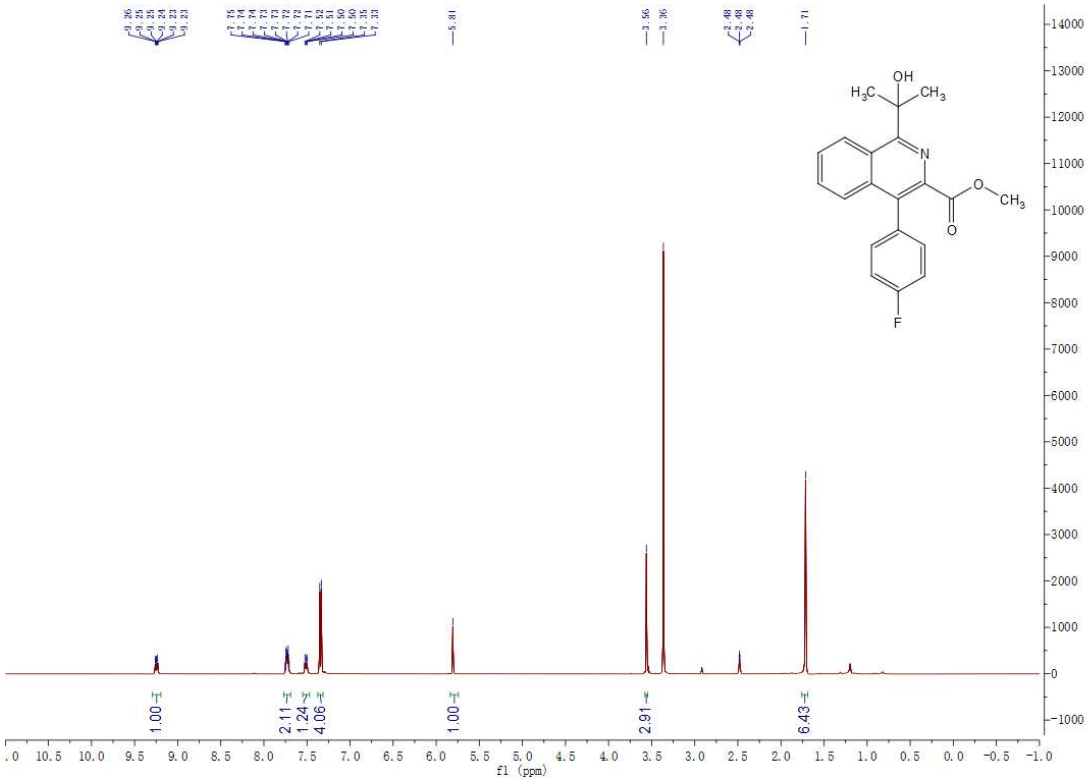

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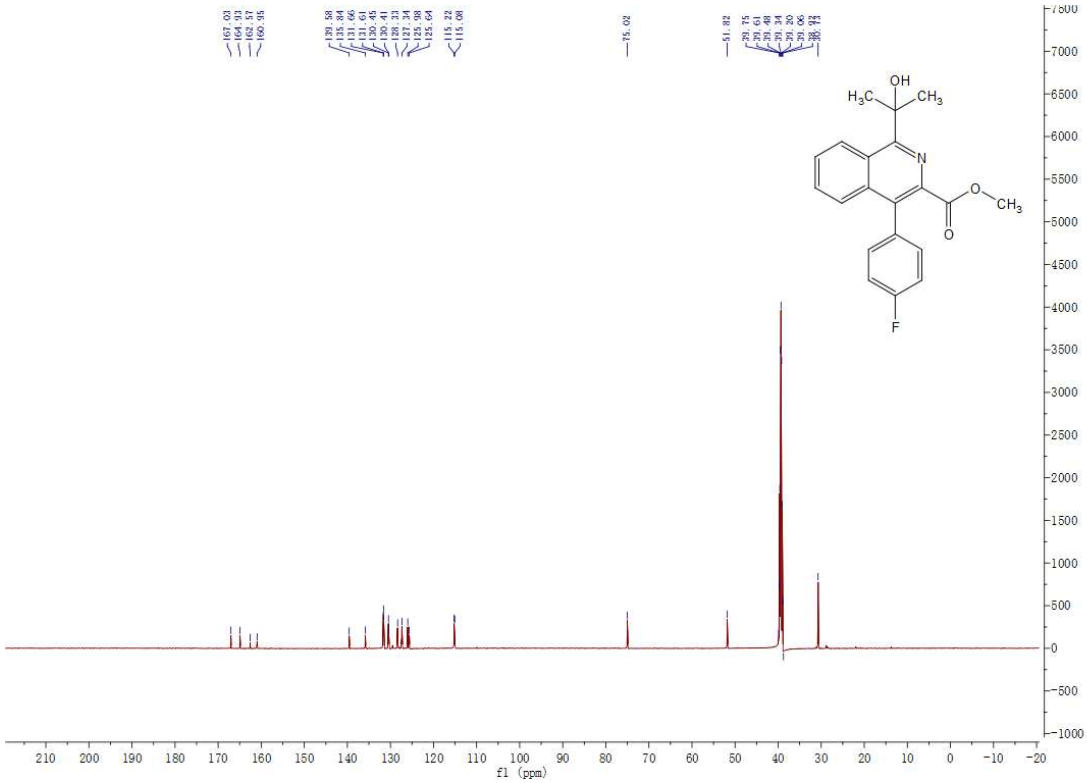

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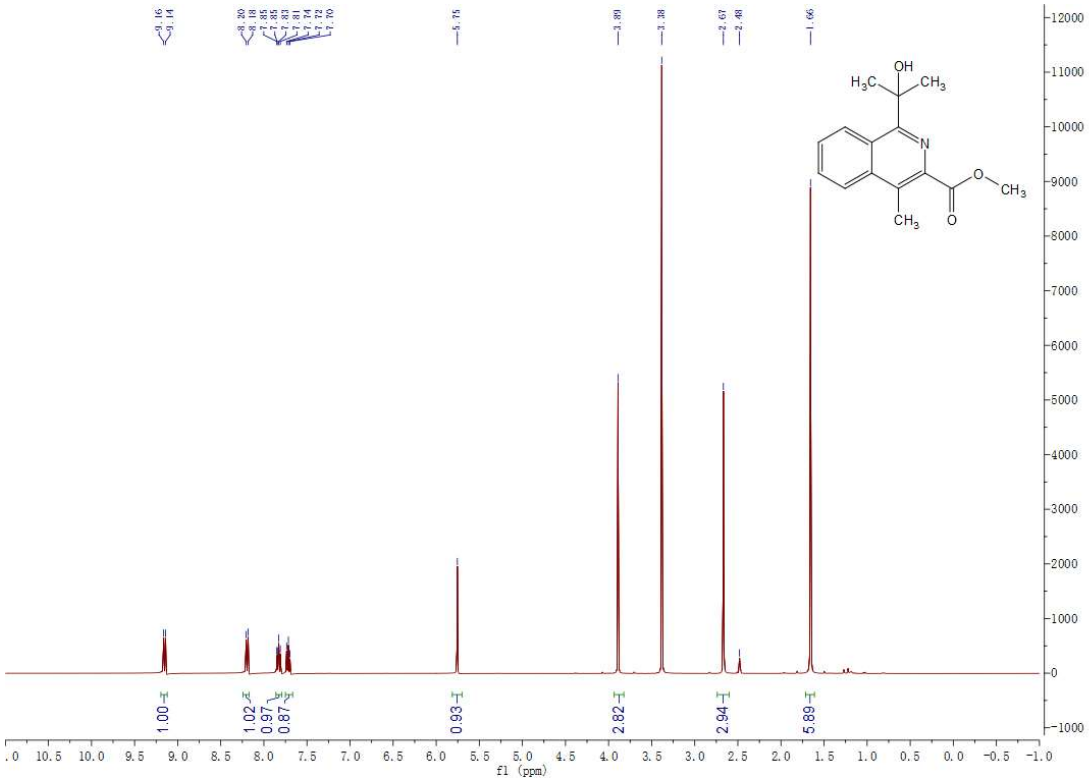

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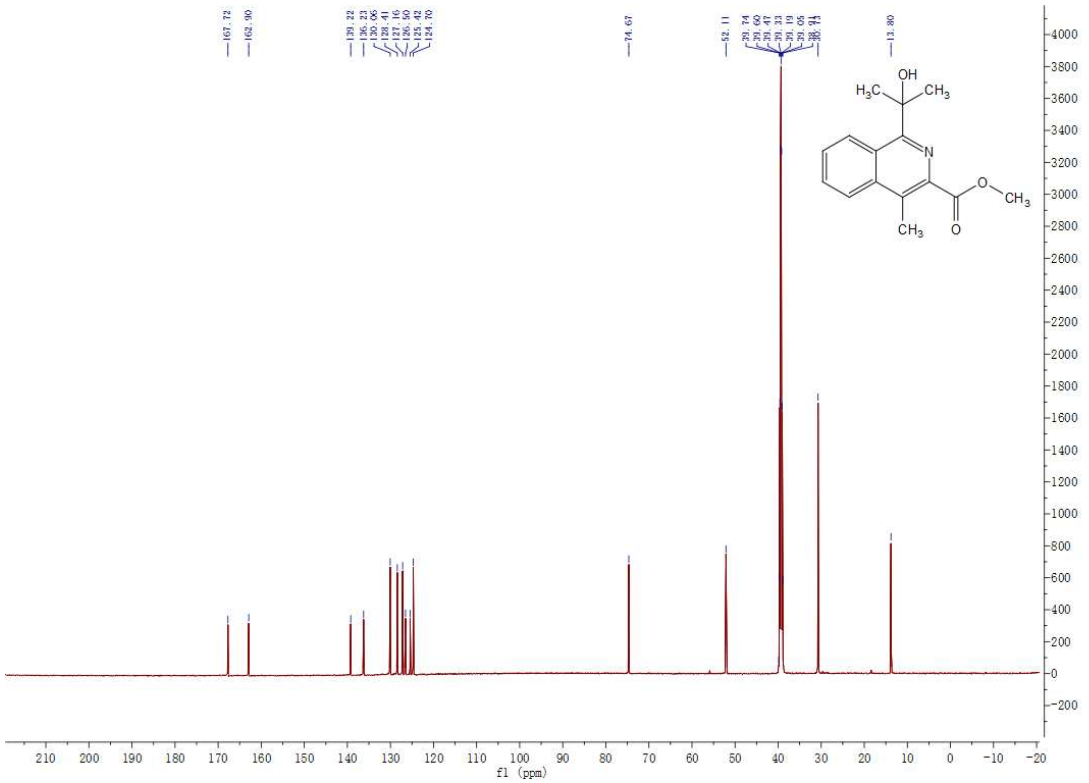

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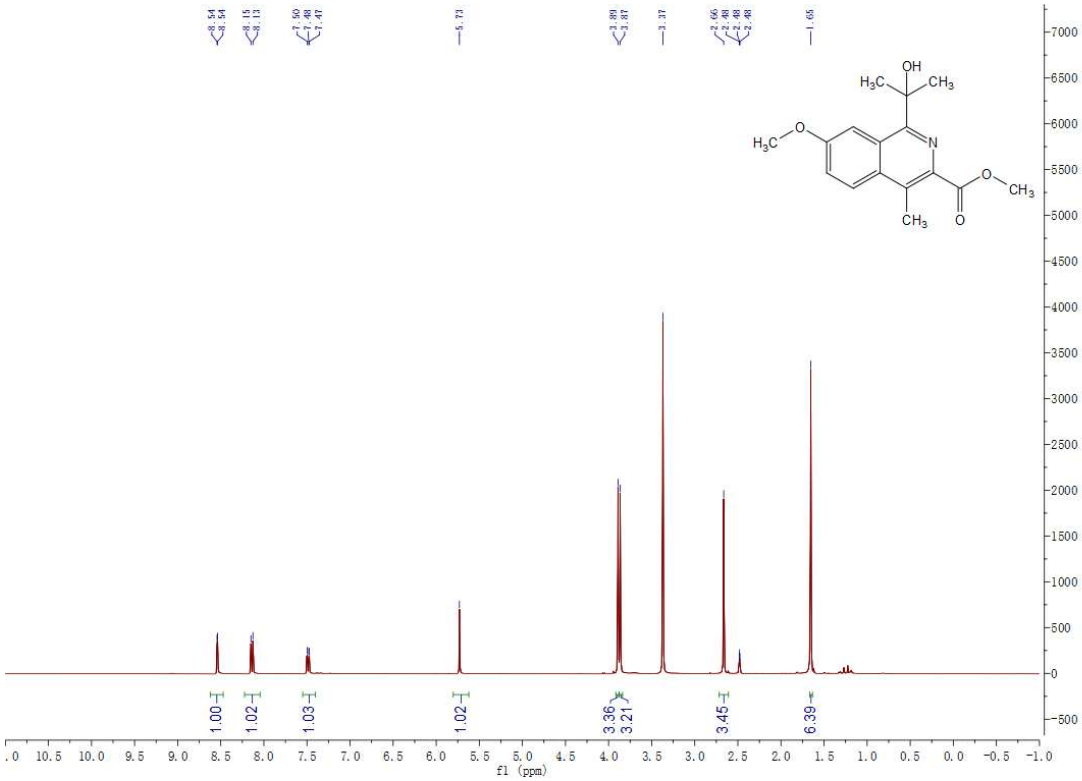

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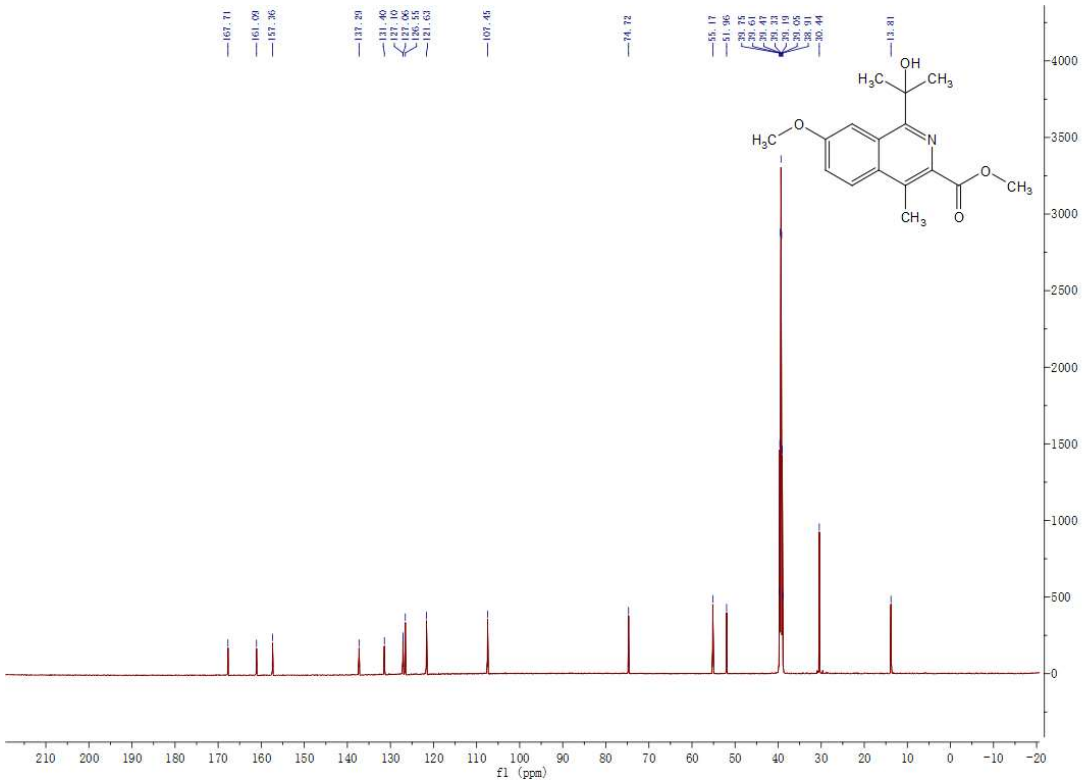

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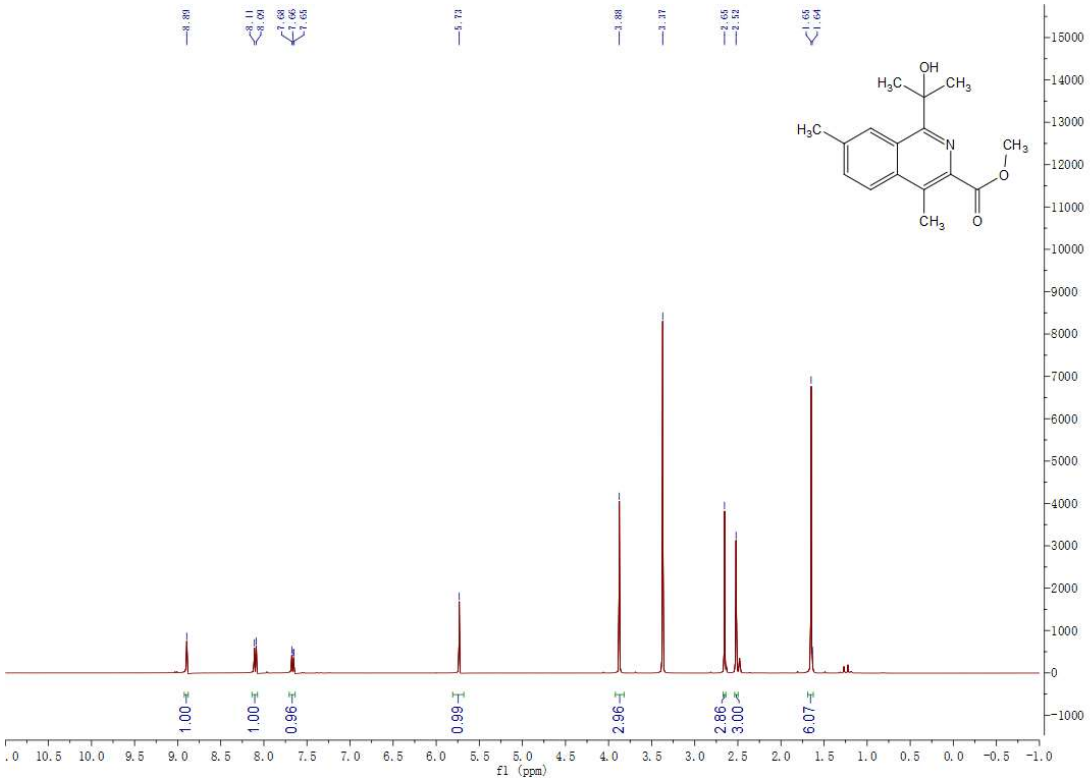

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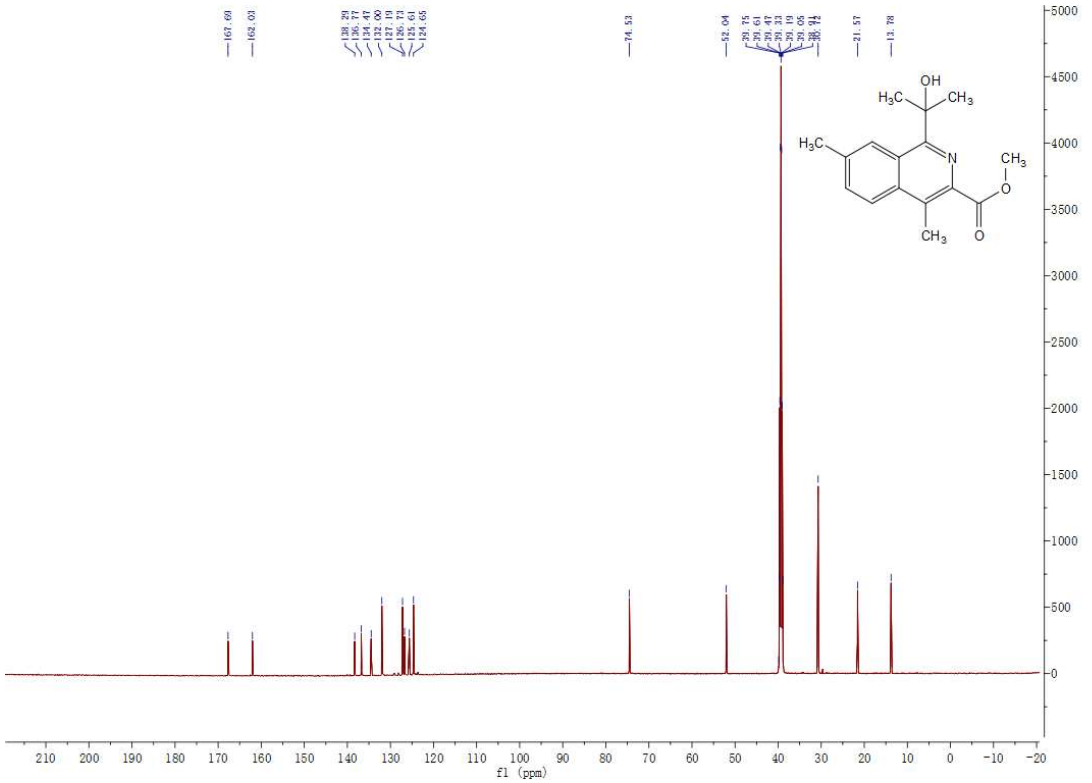
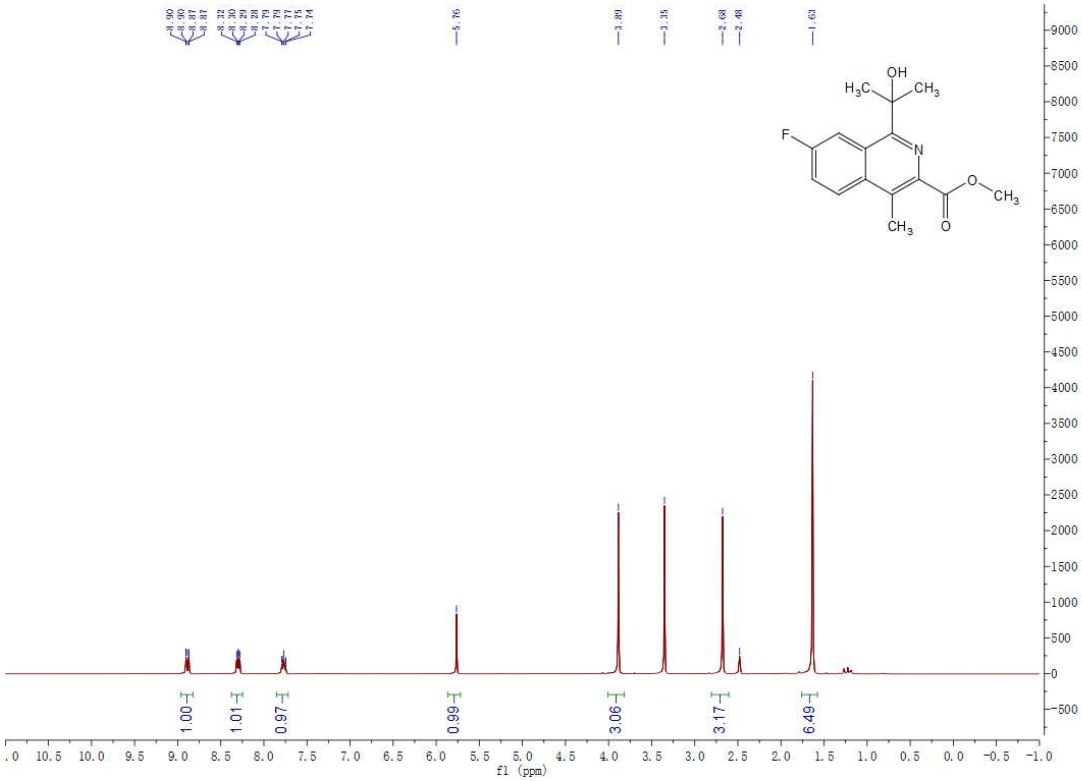


3l-^{1}H NMR



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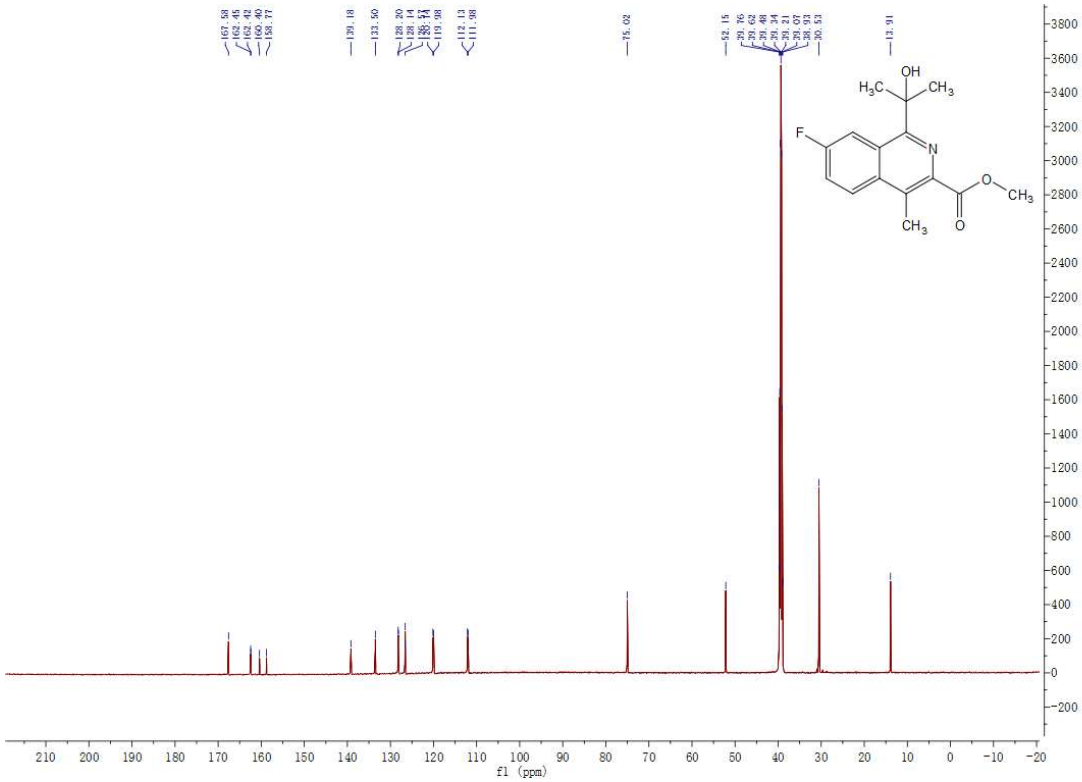
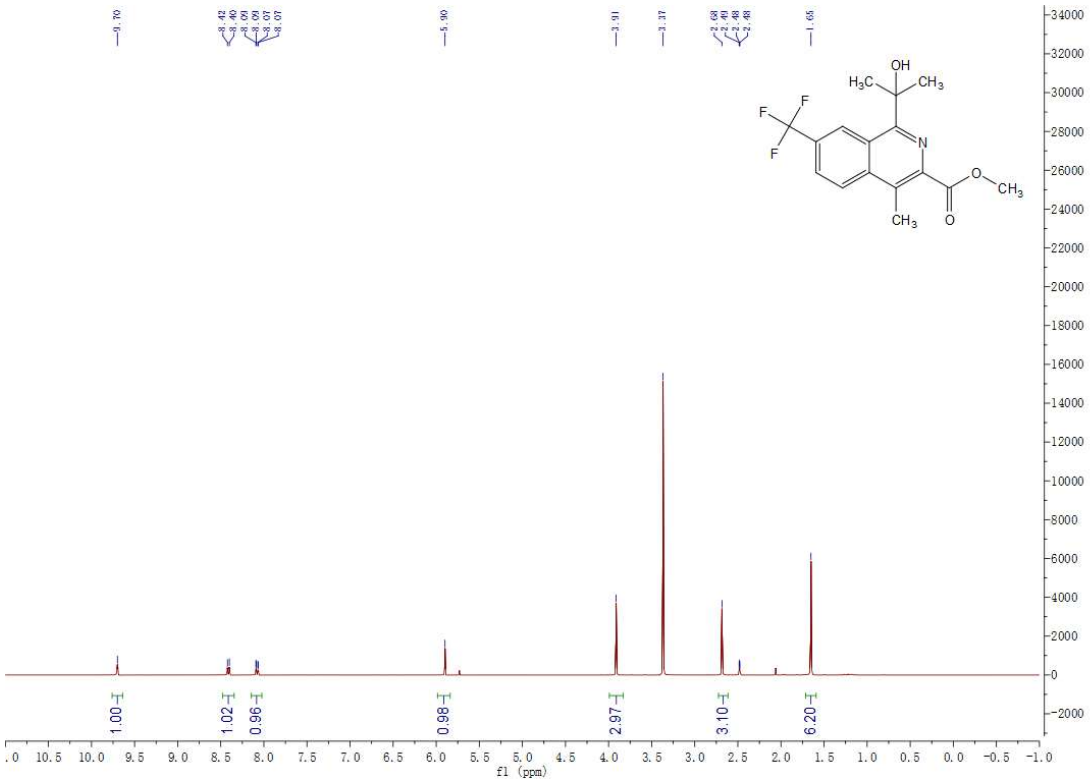


3m-^{1}H NMR



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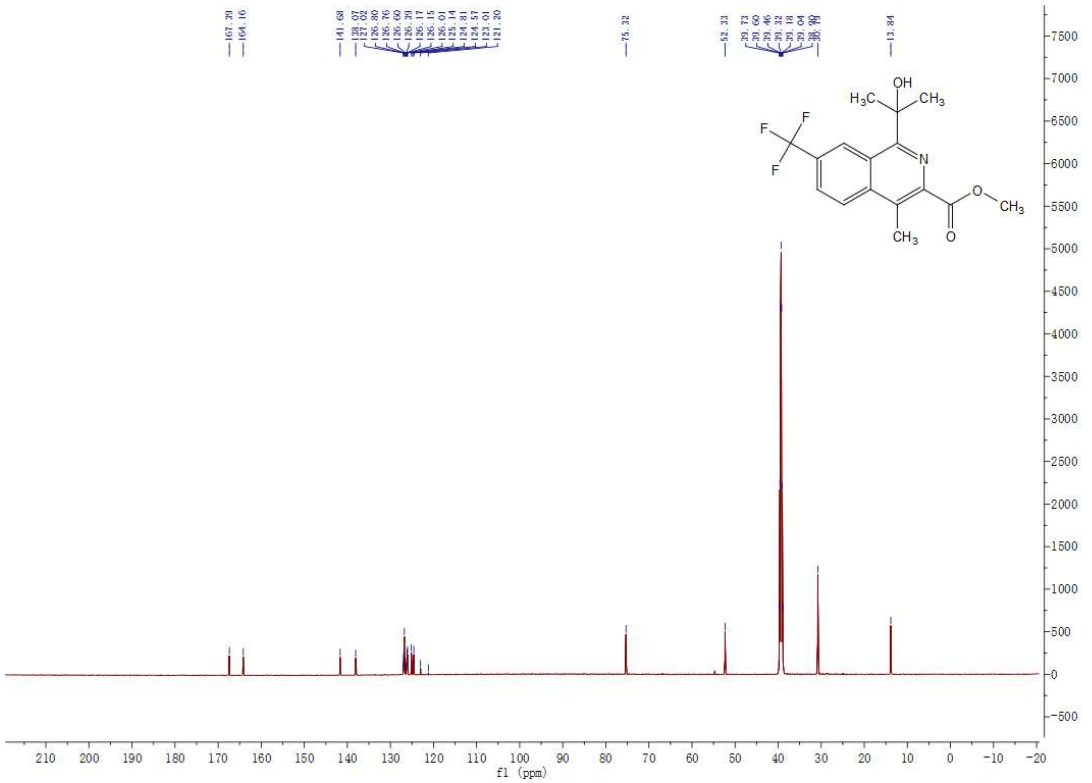

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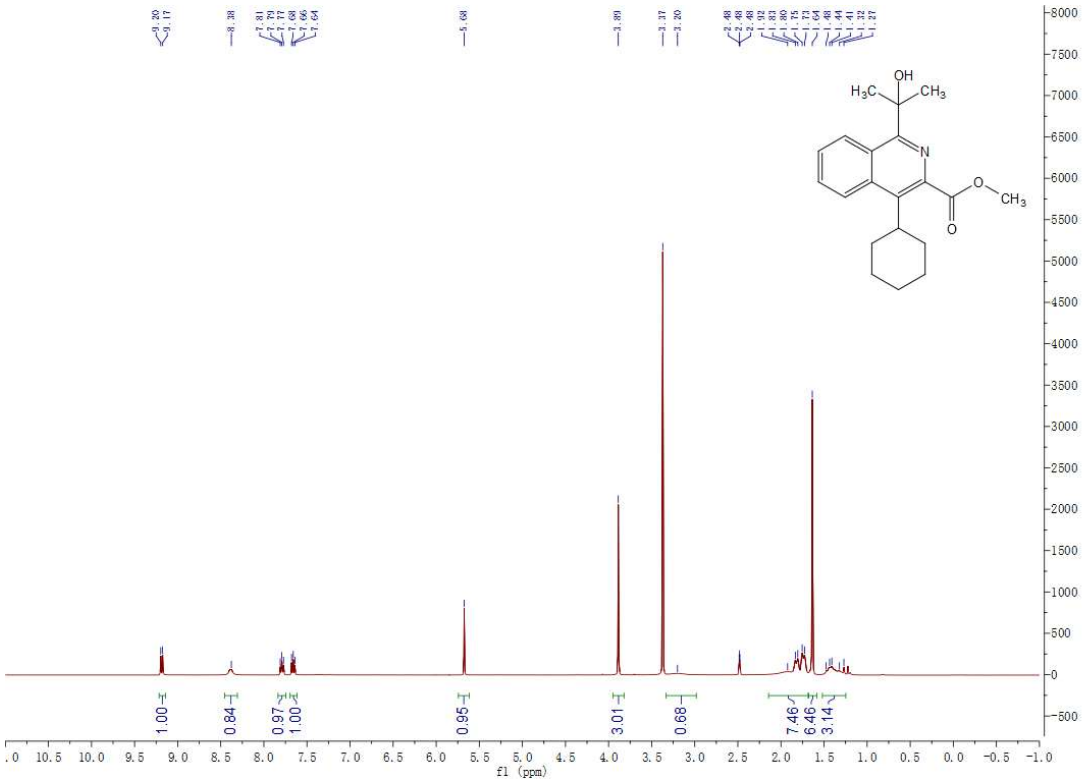
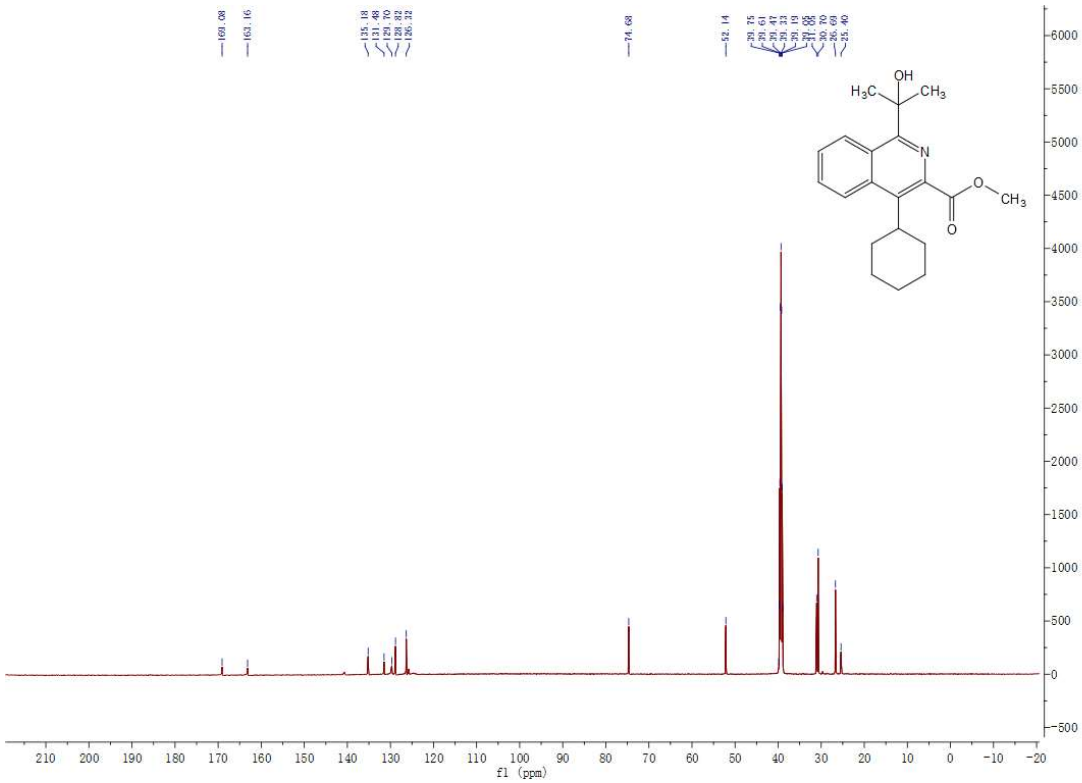


3n-^{13}C NMR



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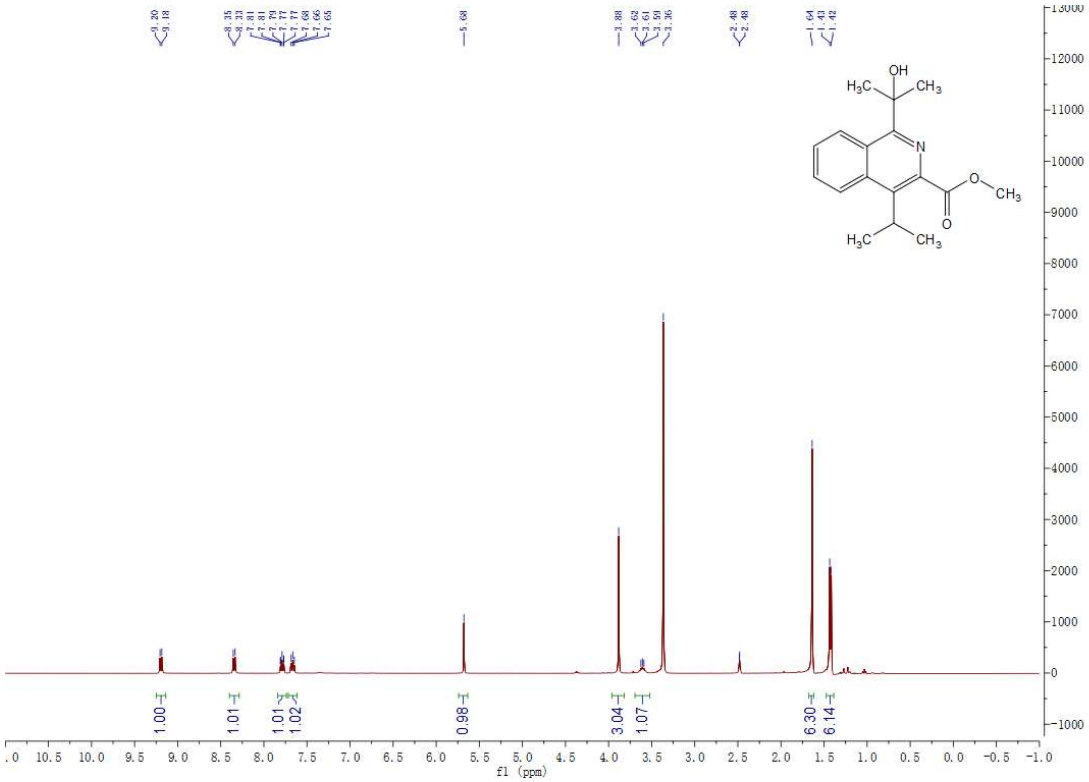
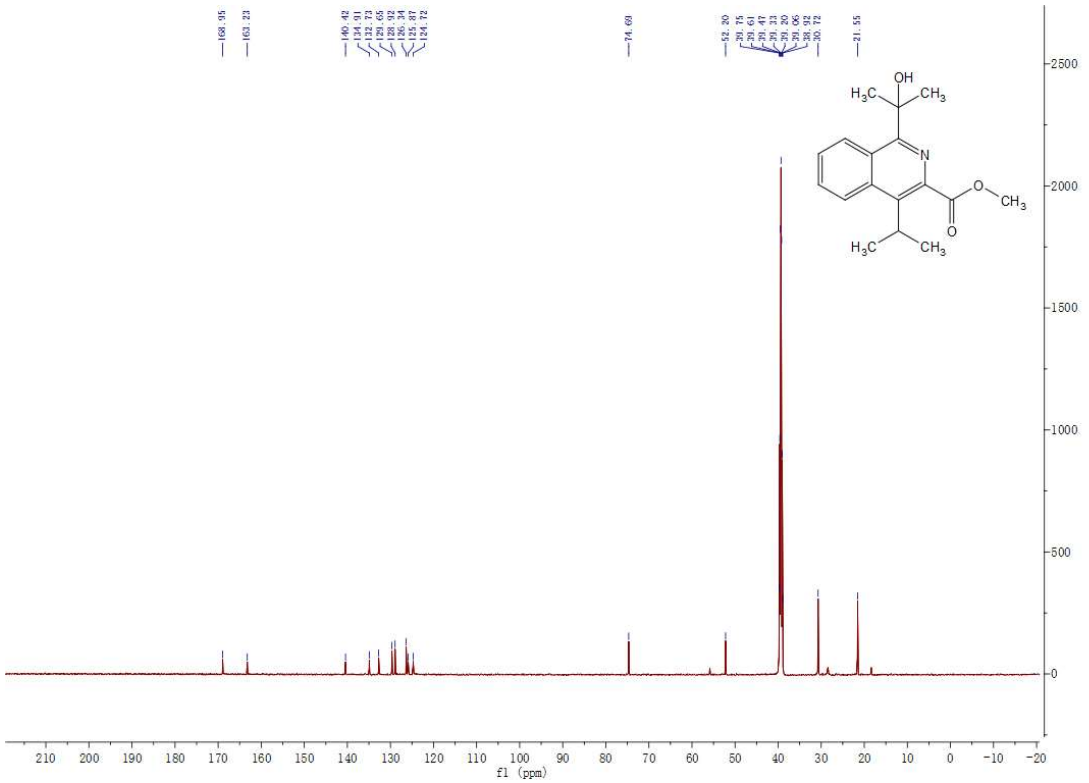
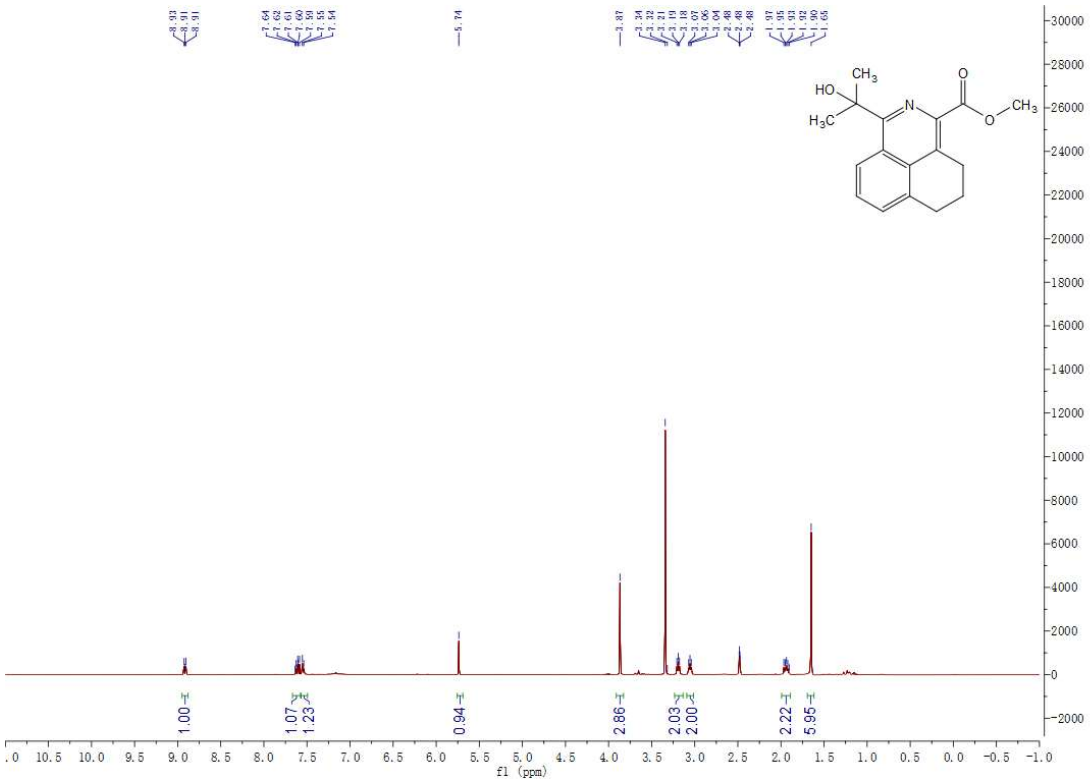


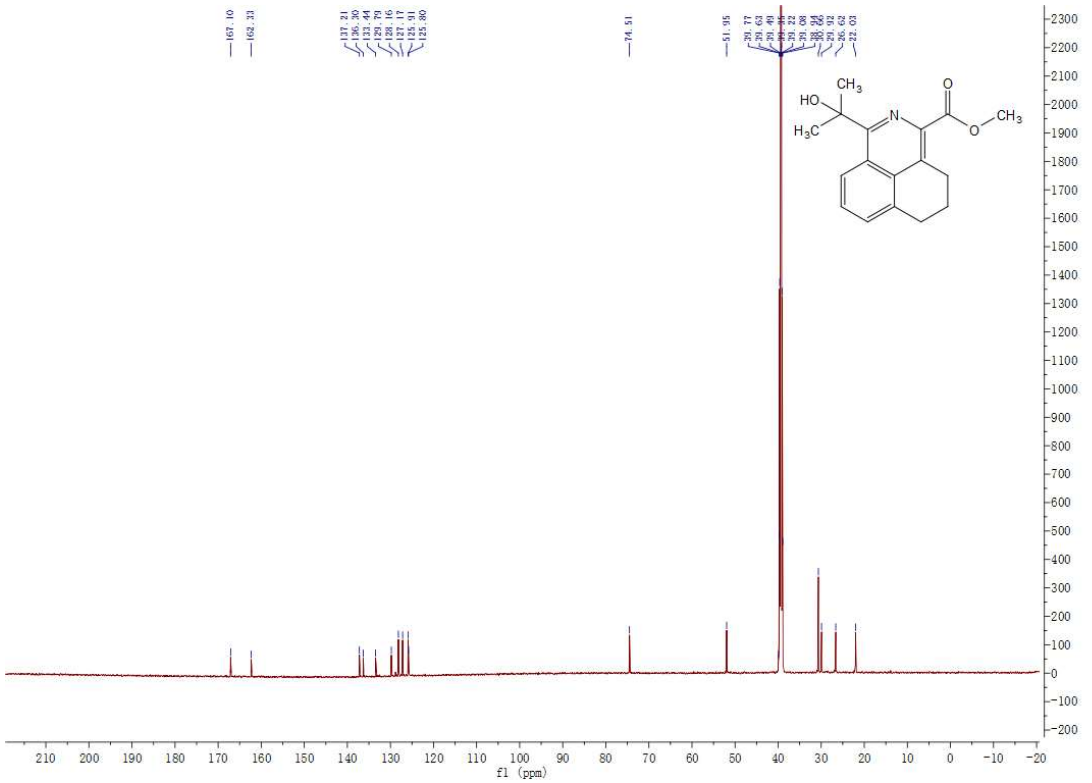
3o-^{13}C NMR



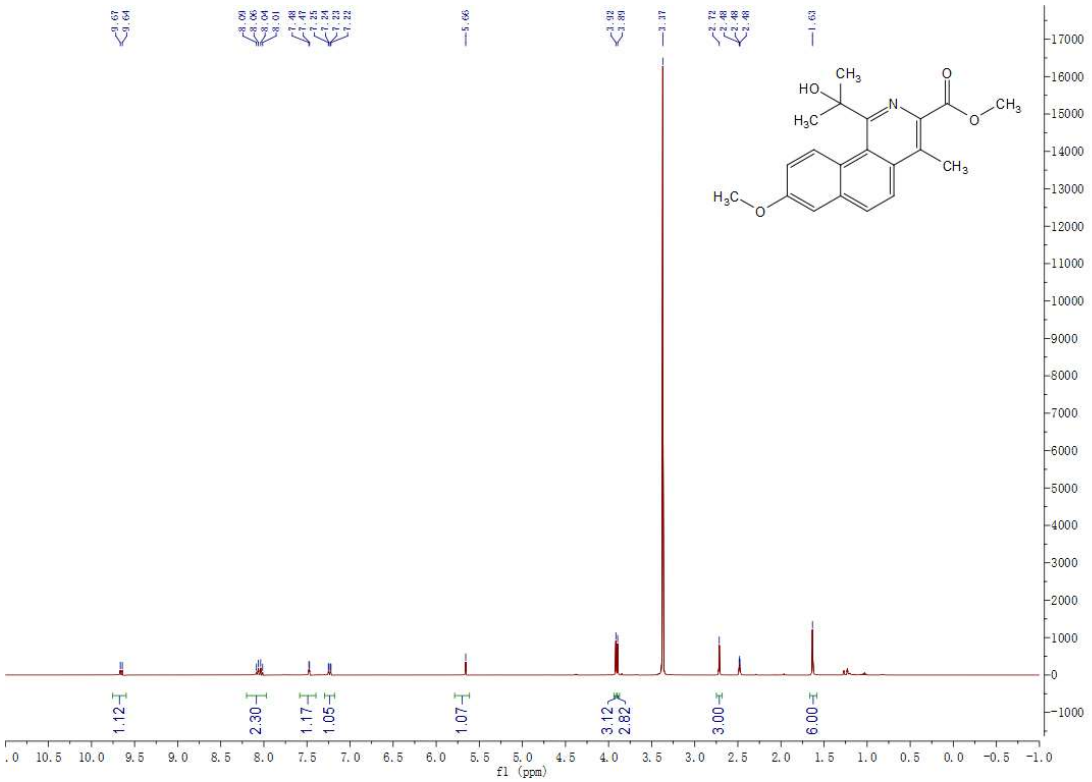
3p-^{1}H NMR



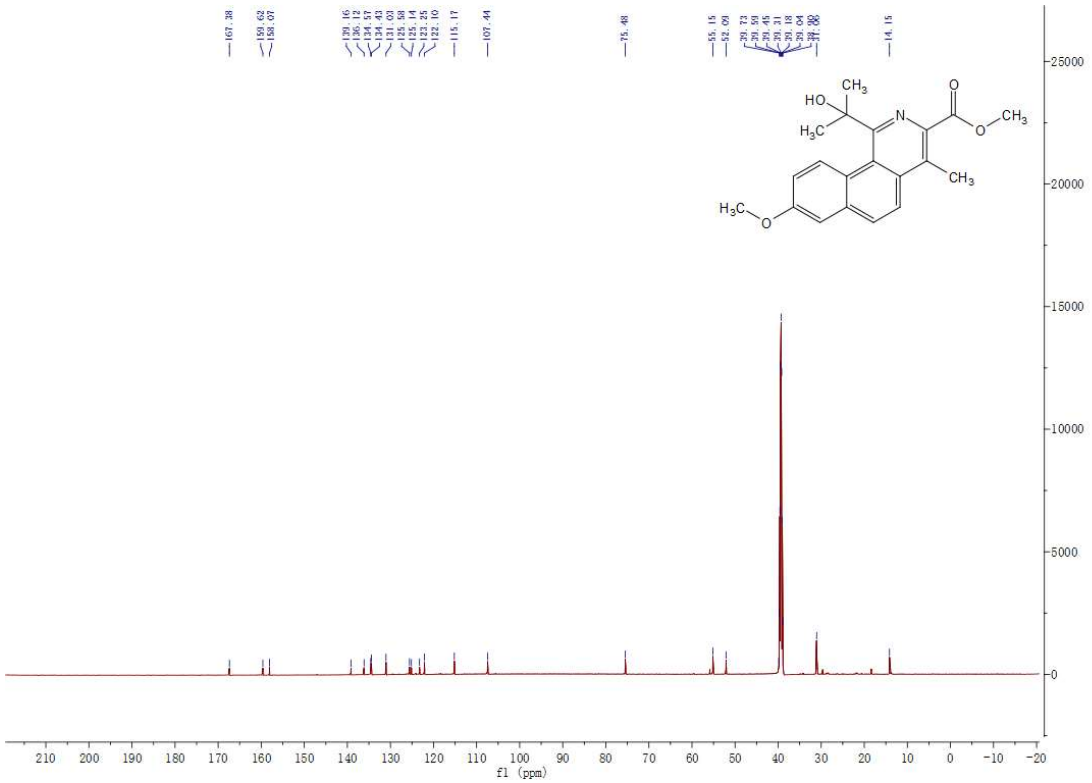
3p-^{13}C NMR



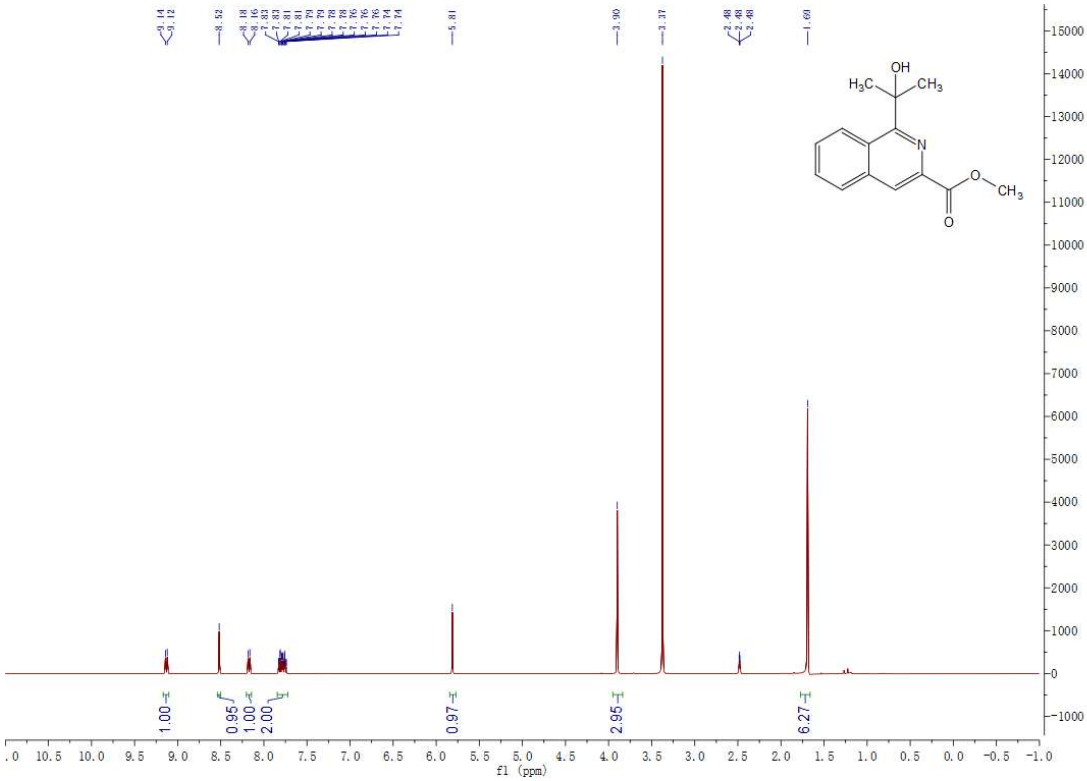
3q-^{1}H NMR



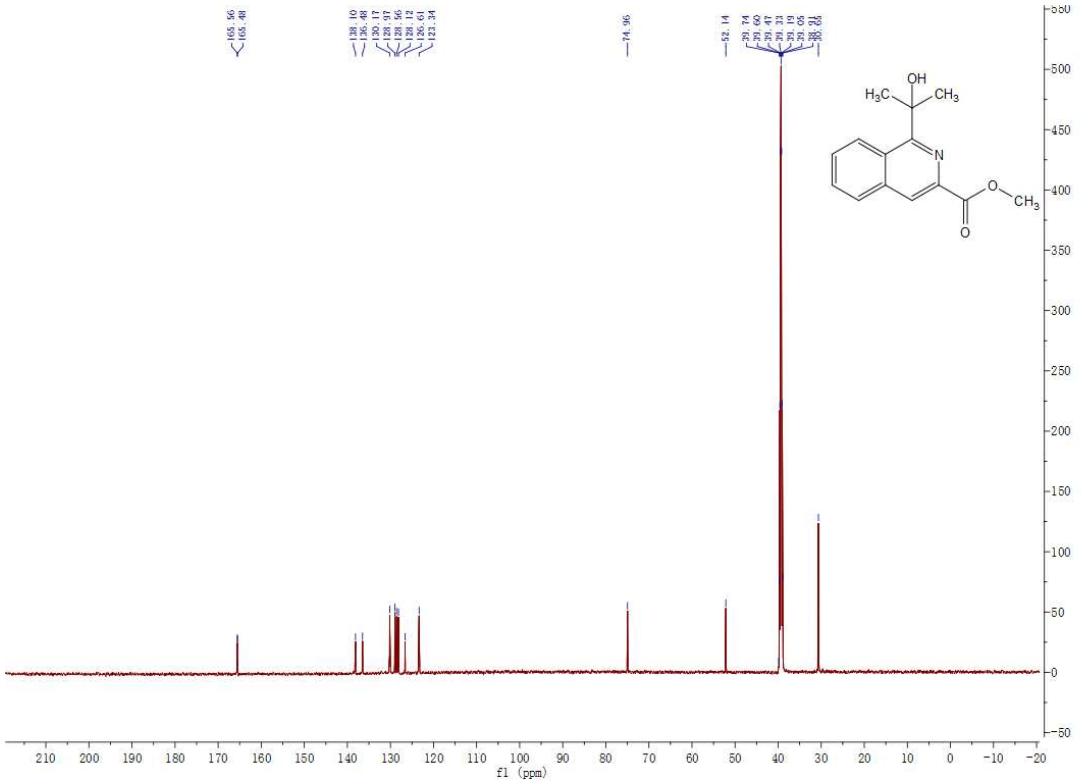
3q-^{13}C NMR



3r-^{1}H NMR



3r-^{13}C NMR



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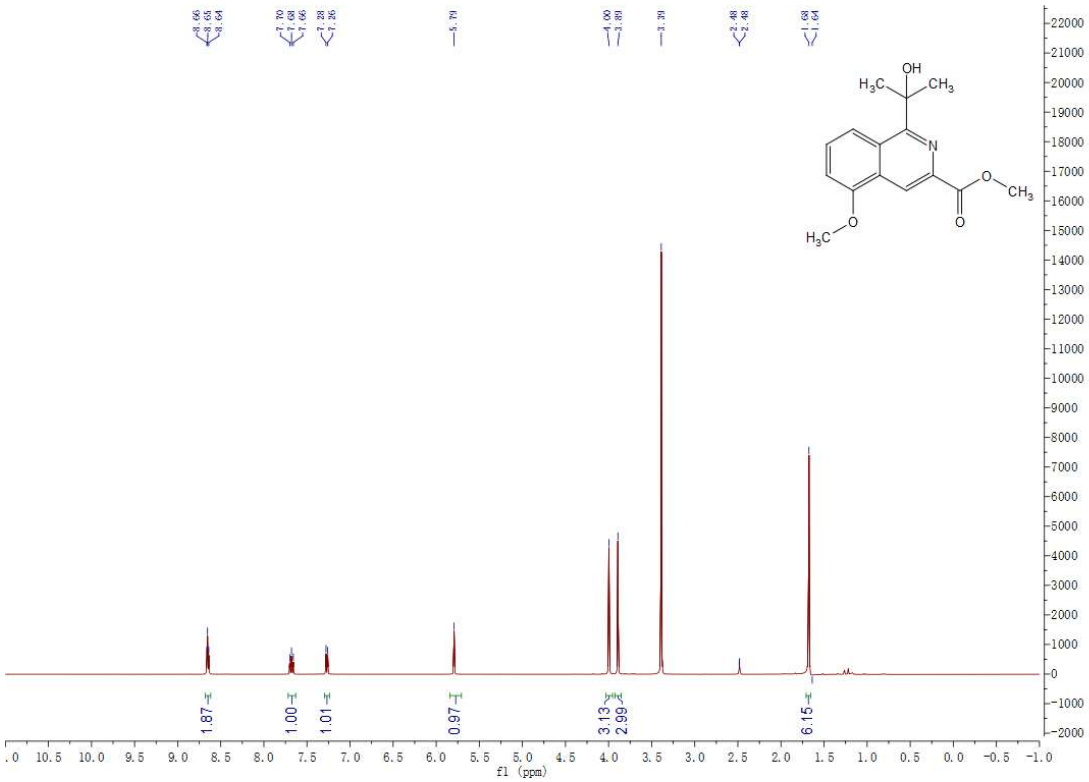
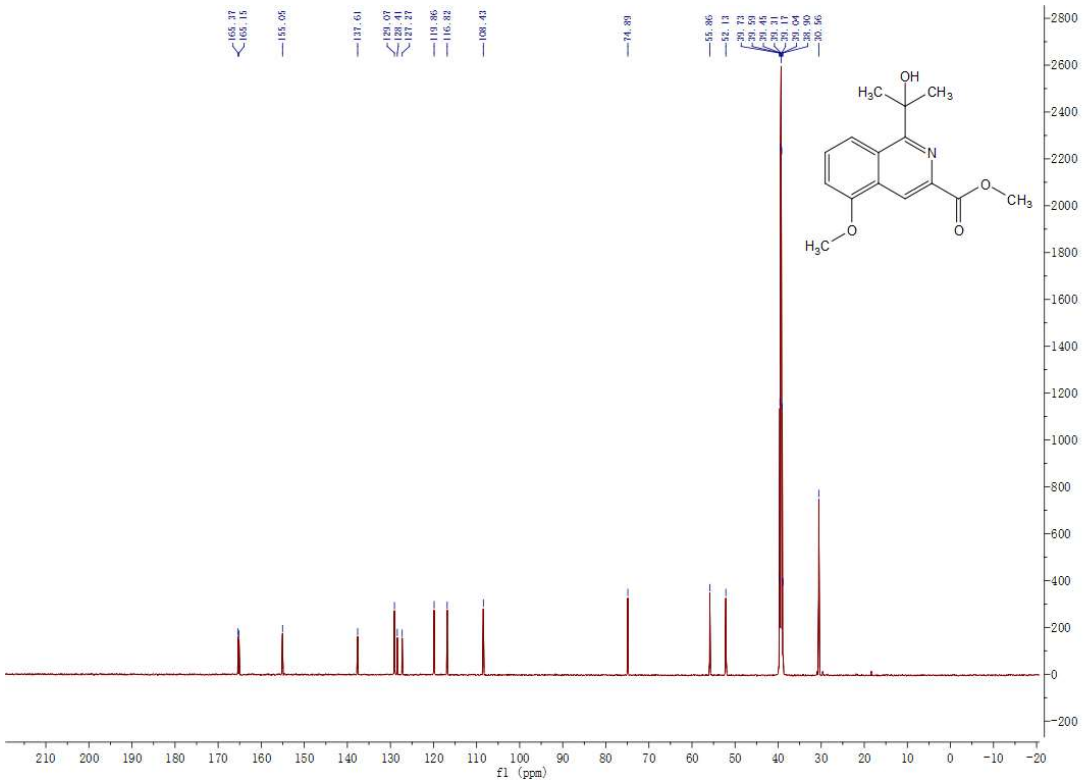
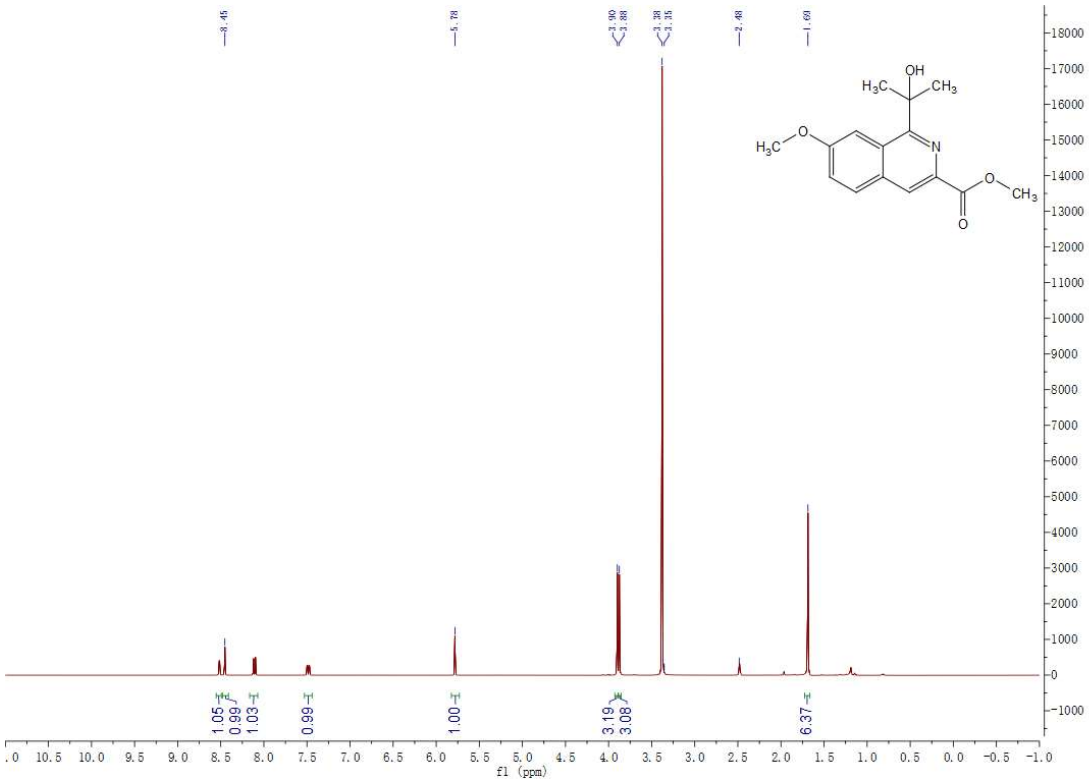


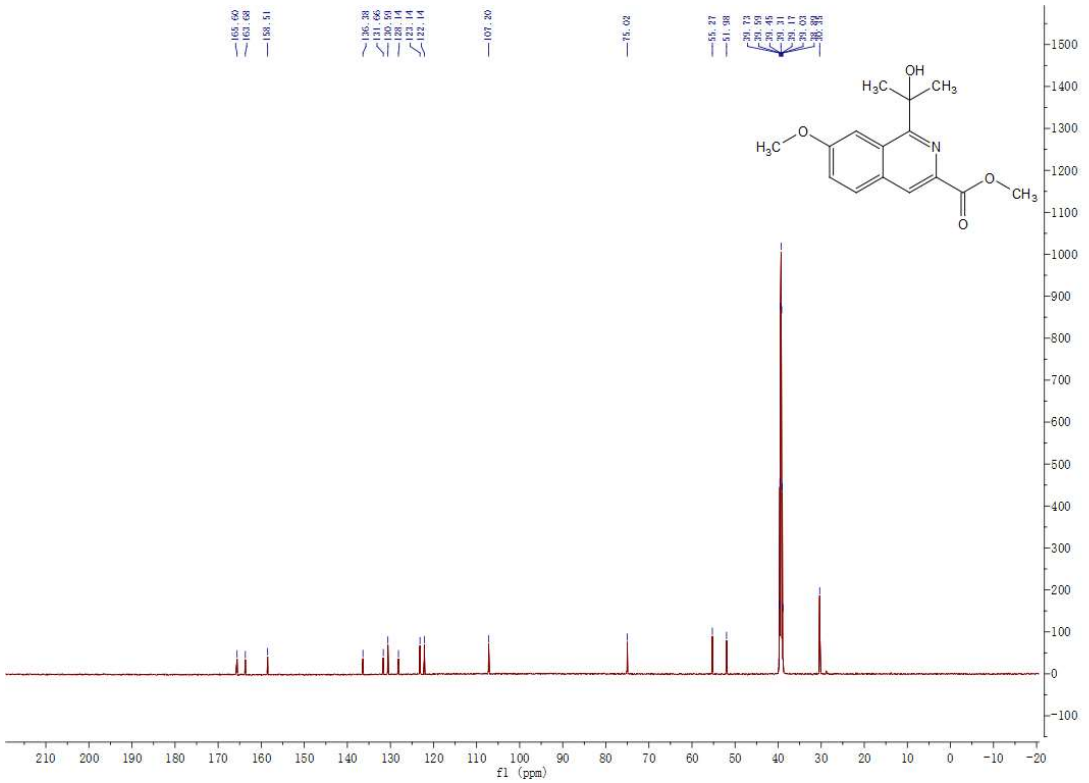
3s-^{13}C NMR



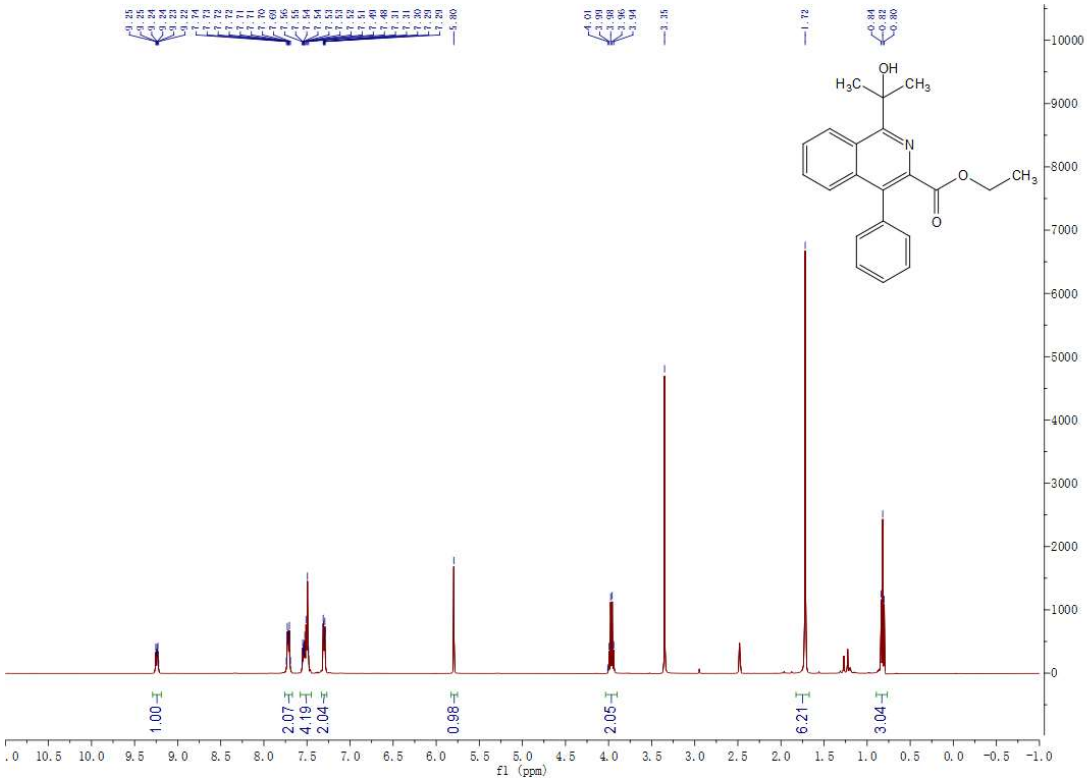
3t-^{1}H NMR



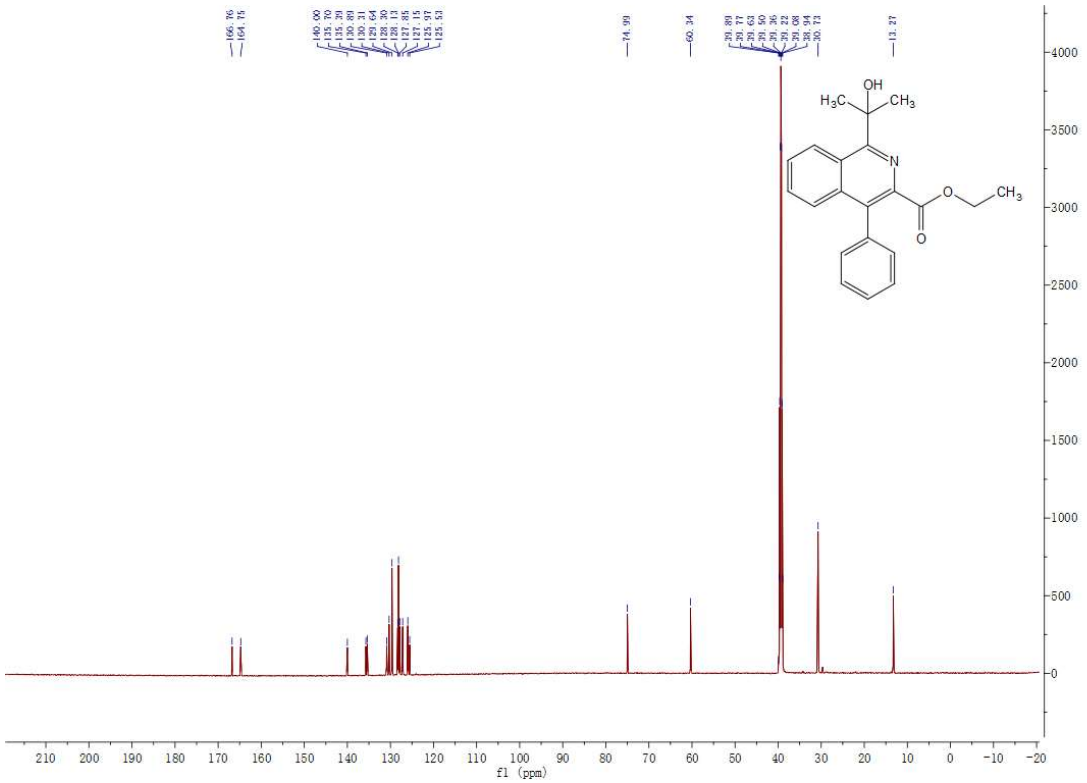
3t-^{13}C NMR



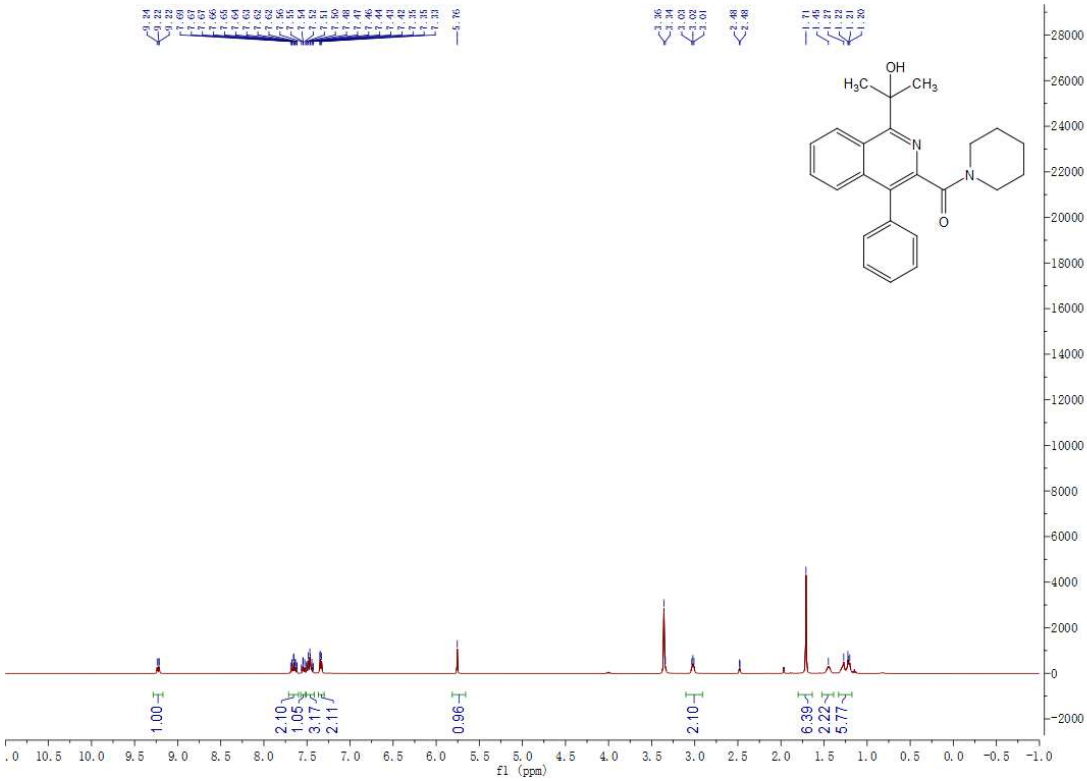
3v-^{1}H NMR



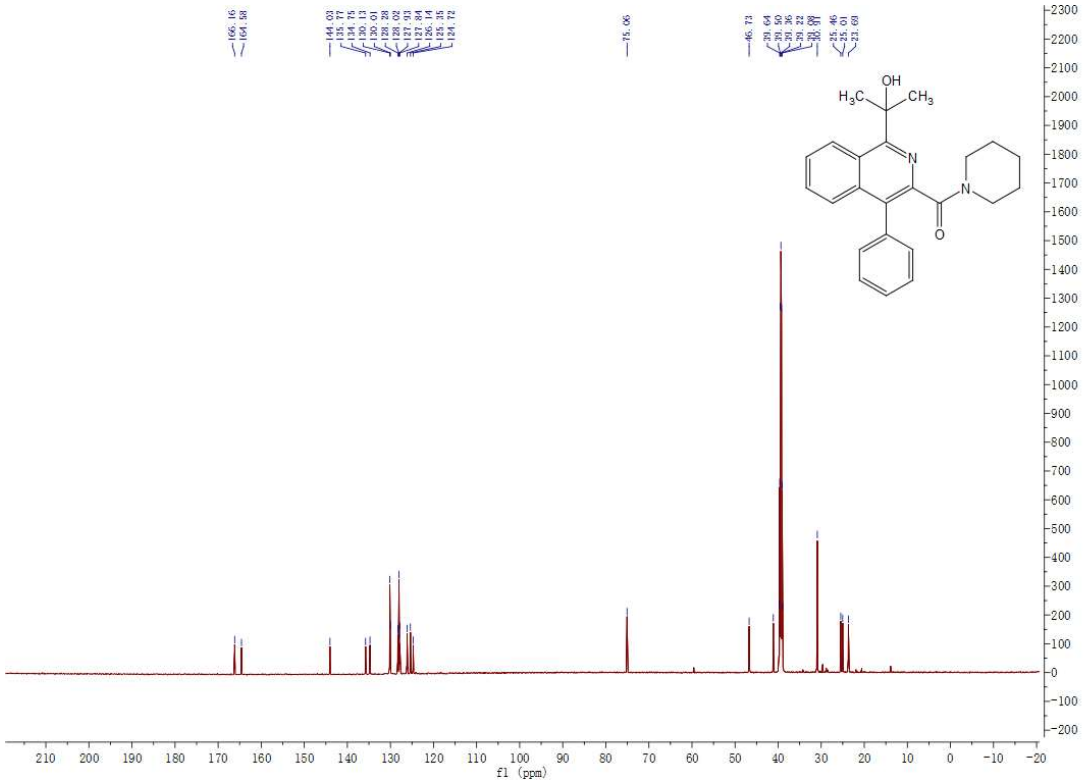
3v-^{13}C NMR



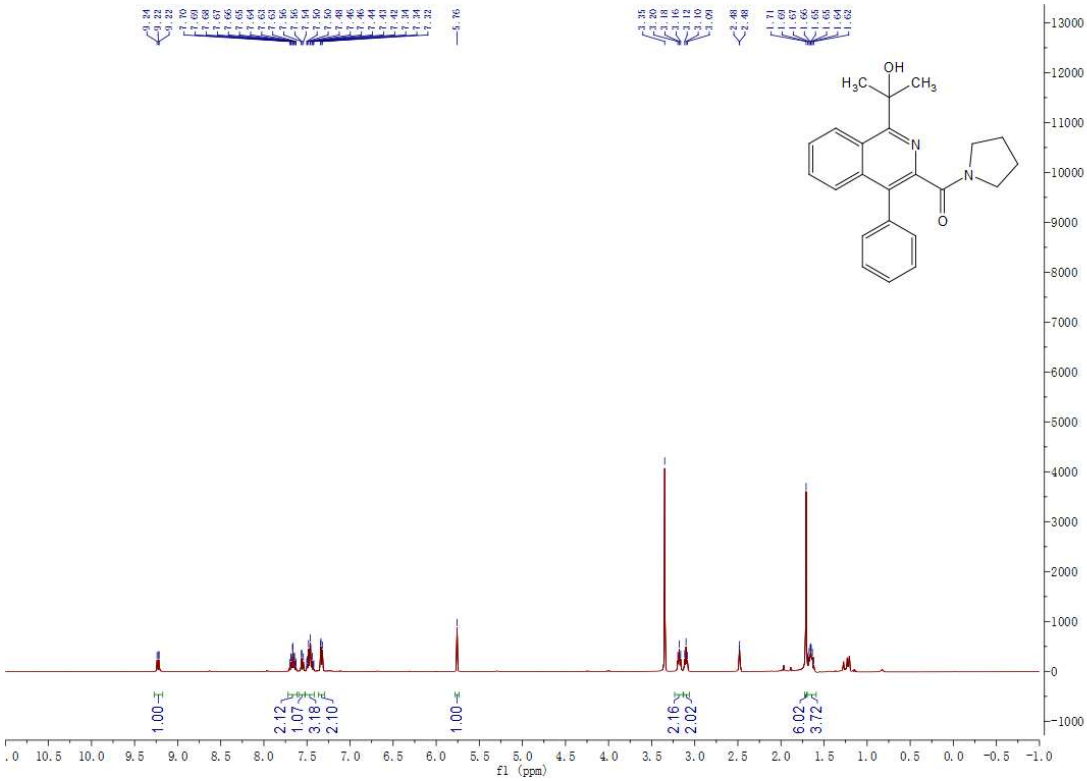
3w-^{1}H NMR



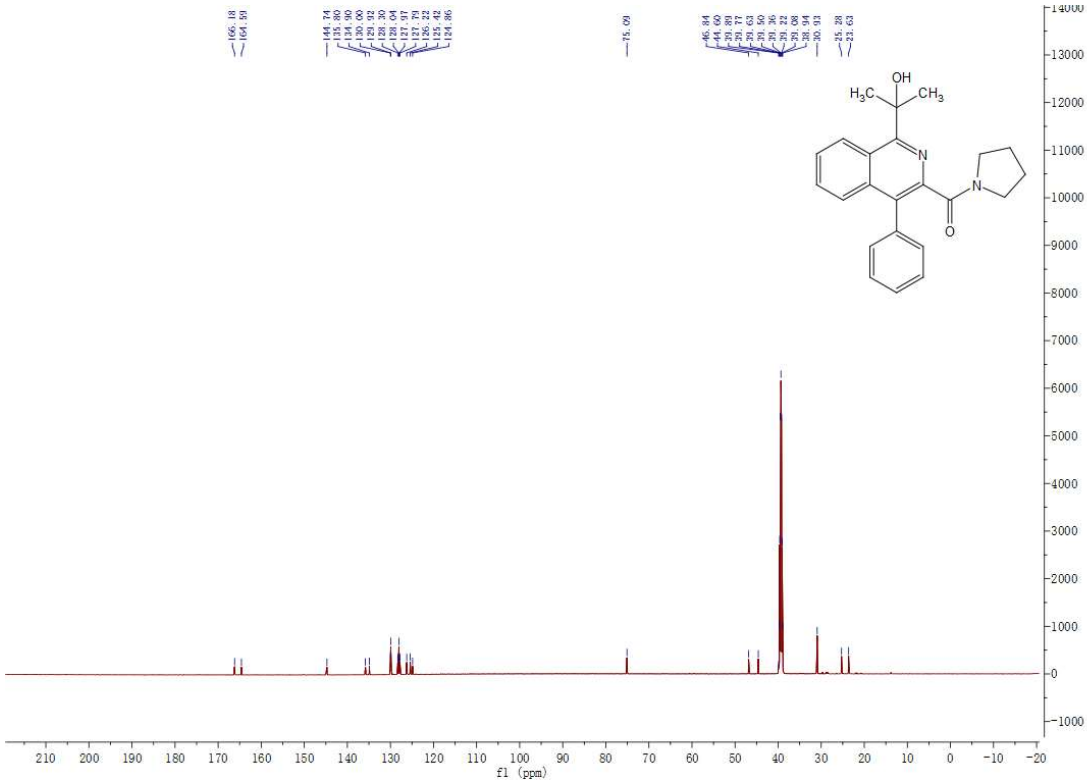
3w-^{13}C NMR



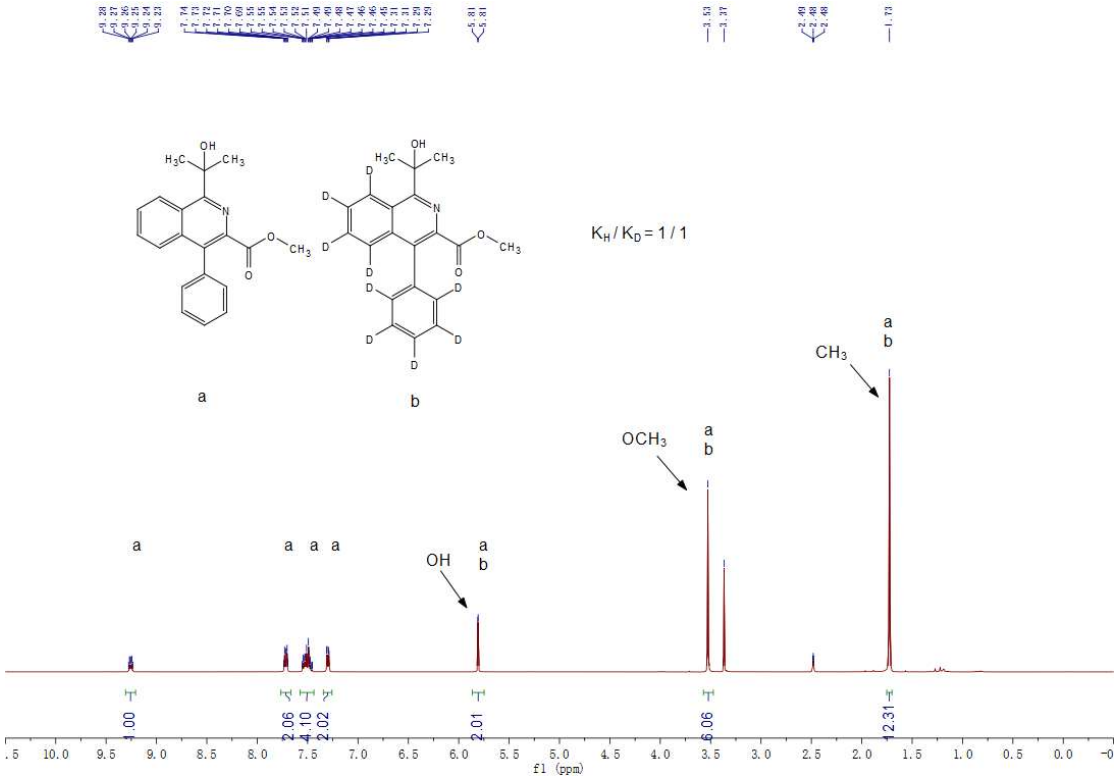
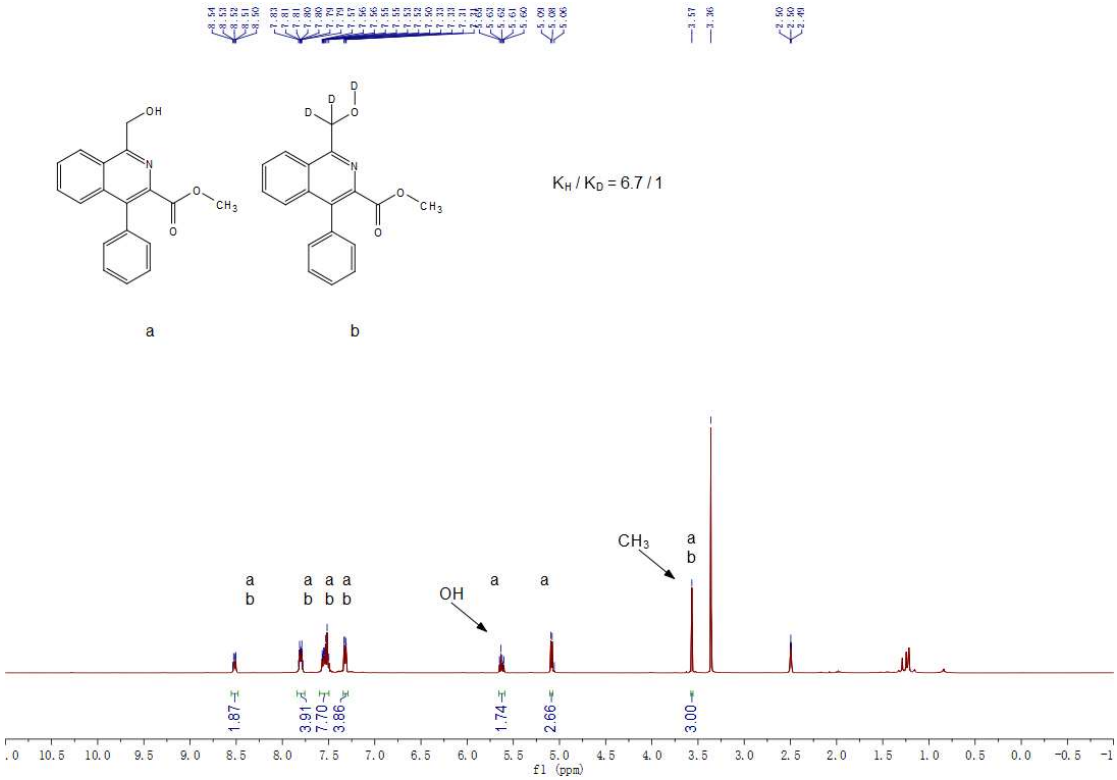
3x-^{1}H NMR



3x-^{13}C NMR



The mixture of 2a and 2a'-^{1}H NMR



The mixture of 2b and 2b'-^{1}H NMR