

A “Byproduct-Intermediate-Product” Recycling Strategy for

Multicomponent Synthesis of 1,4-Dihydropyridines

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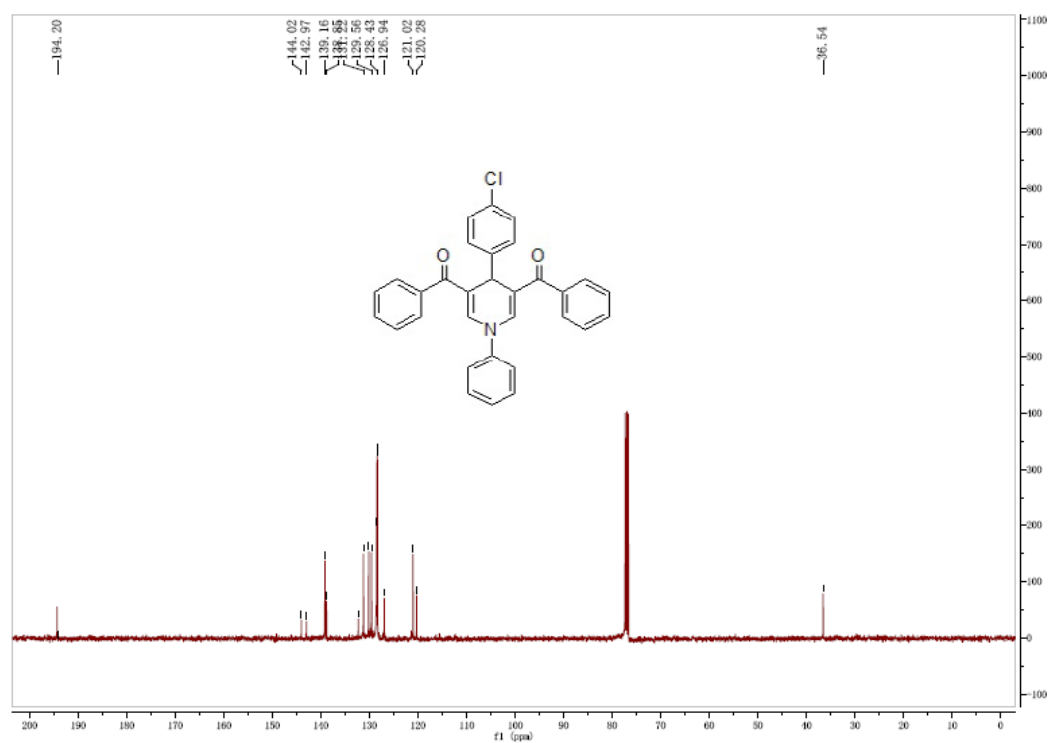
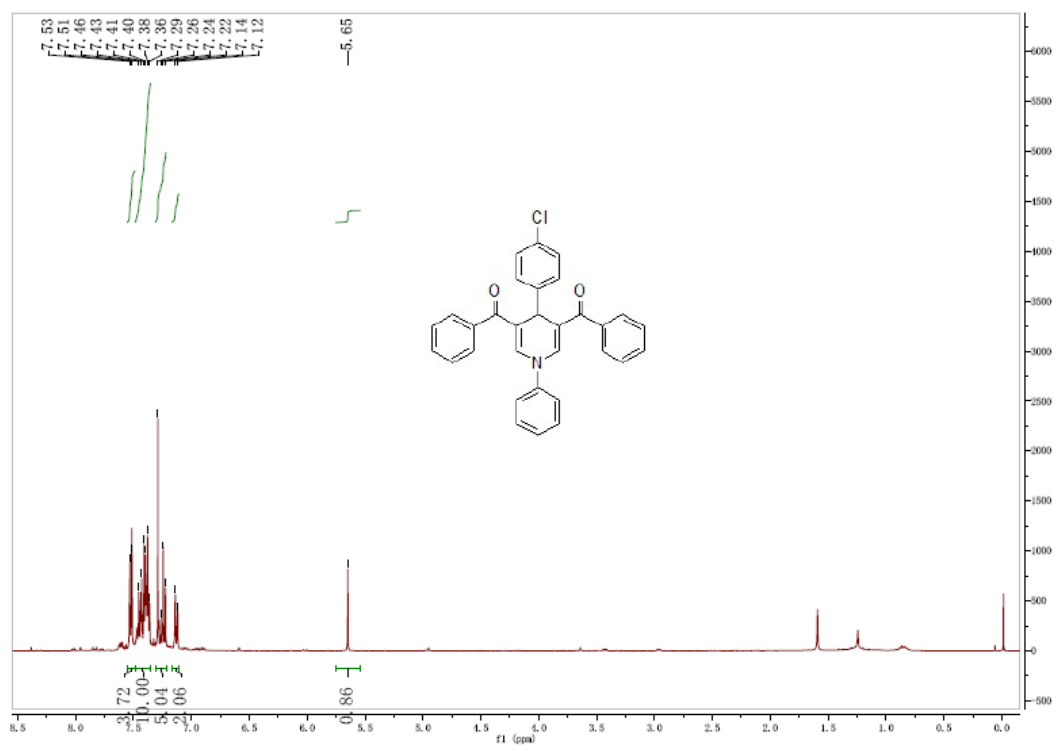
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General experimental information

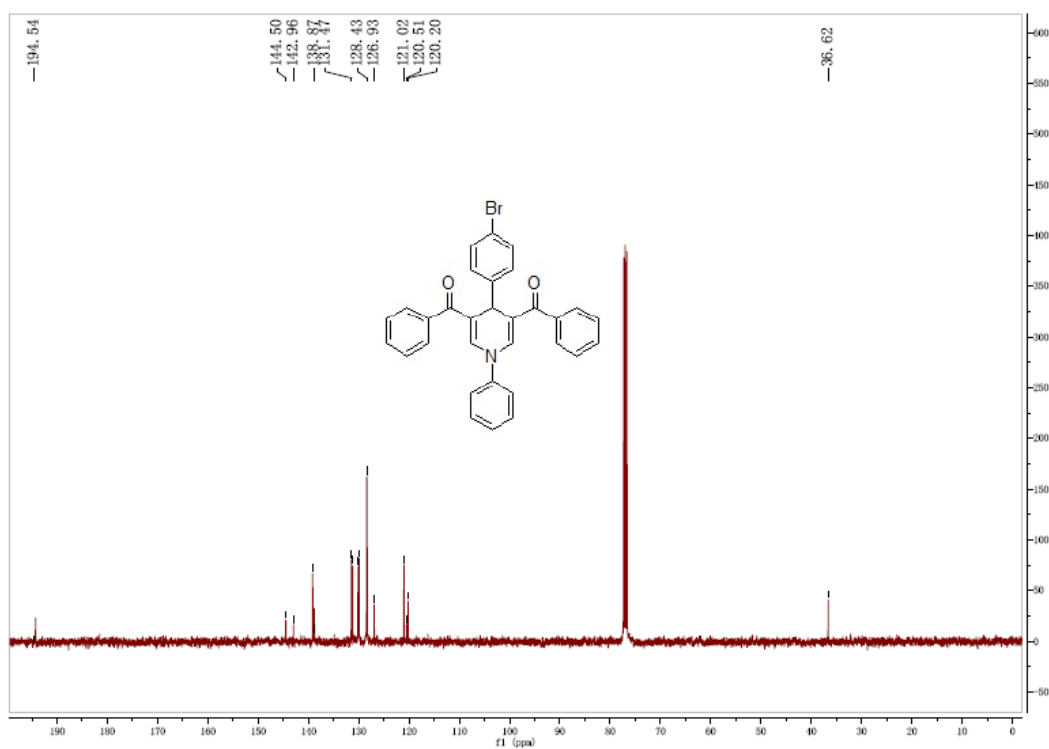
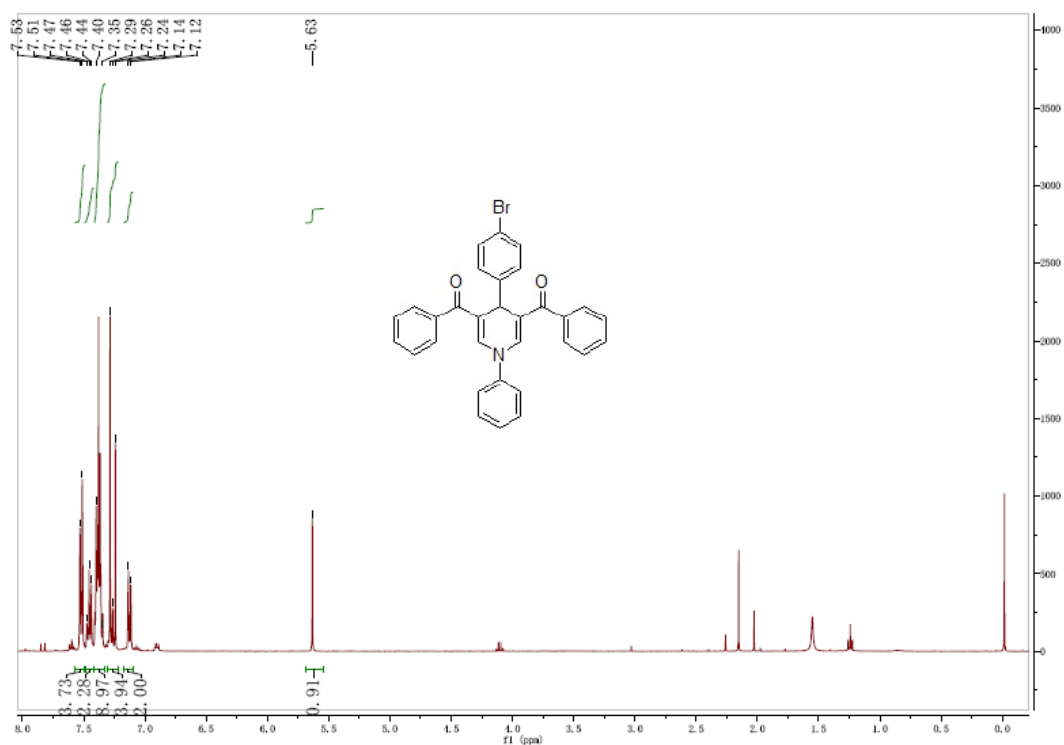
All enaminones **6** were synthesized following literature procedure,¹ all other chemicals and solvent were obtained from commercial source and used without further purification. ¹H And ¹³C and NMR were recorded respectively at 400 MHz/100 MHz or 300 MHz/75 MHz in Variant 400 MHz or 300 MHz apparatus (see characterization data), the chemical shift was recorded in ppm using TMS as internal standard. Mass spectra were measured with Finnigan SSQ7000 spectrometer under EI model. Elemental analysis was tested on Perkin Elmer 2400CHN instrument, and melting points were recorded in X-6 apparatus without correcting temperature.

(1) F. M. A. A. El-Taweel, M. H. Elnagdi, *J. Heterocyclic Chem.* **2001**, *38*, 981.

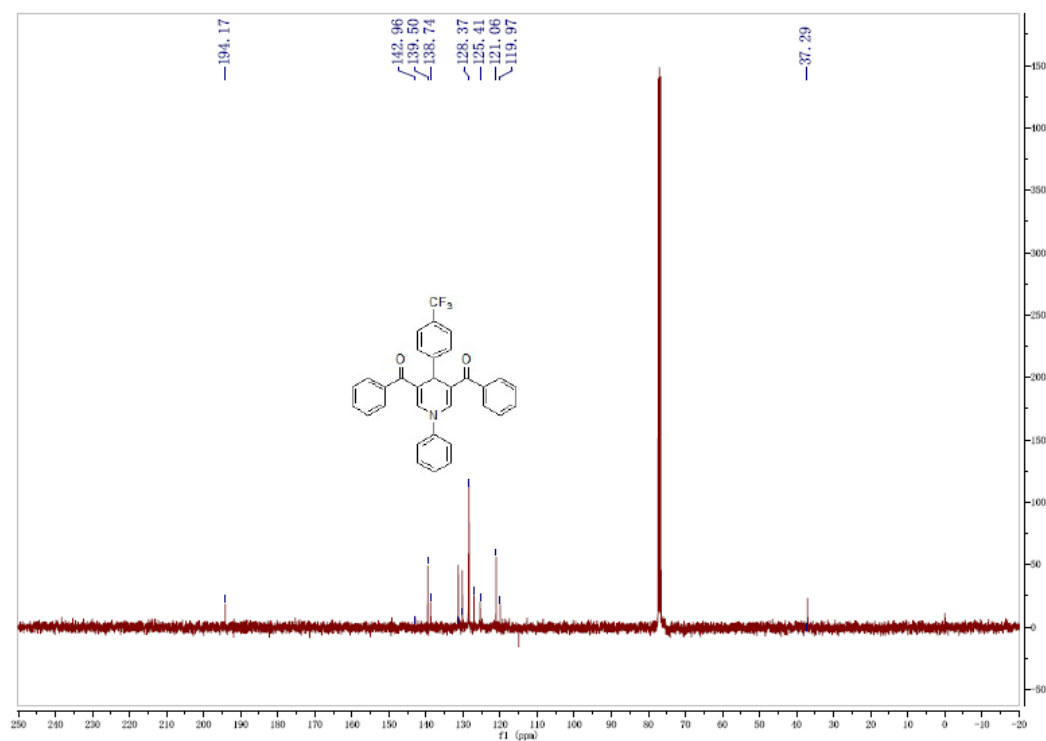
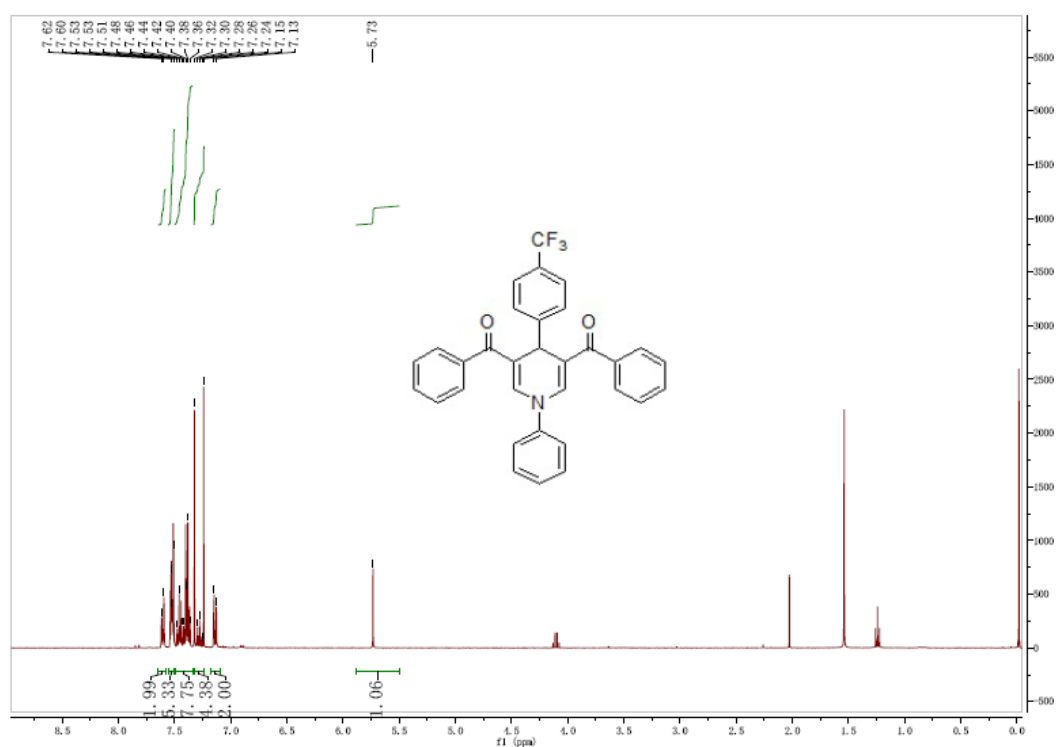
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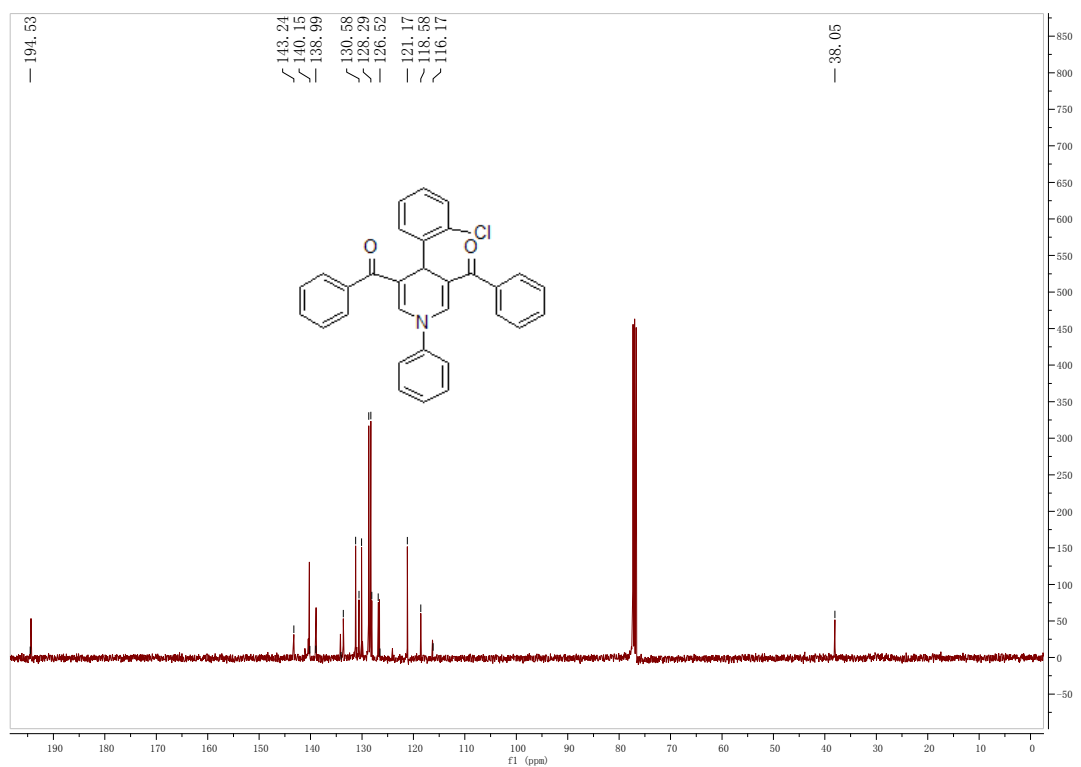
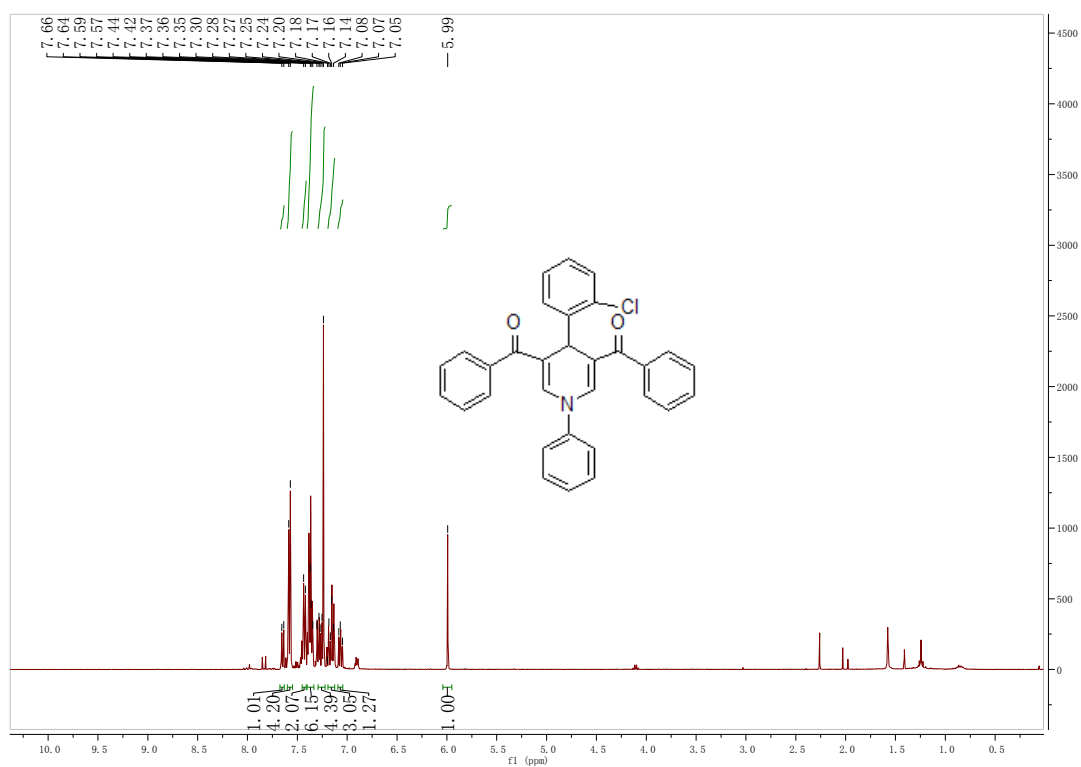
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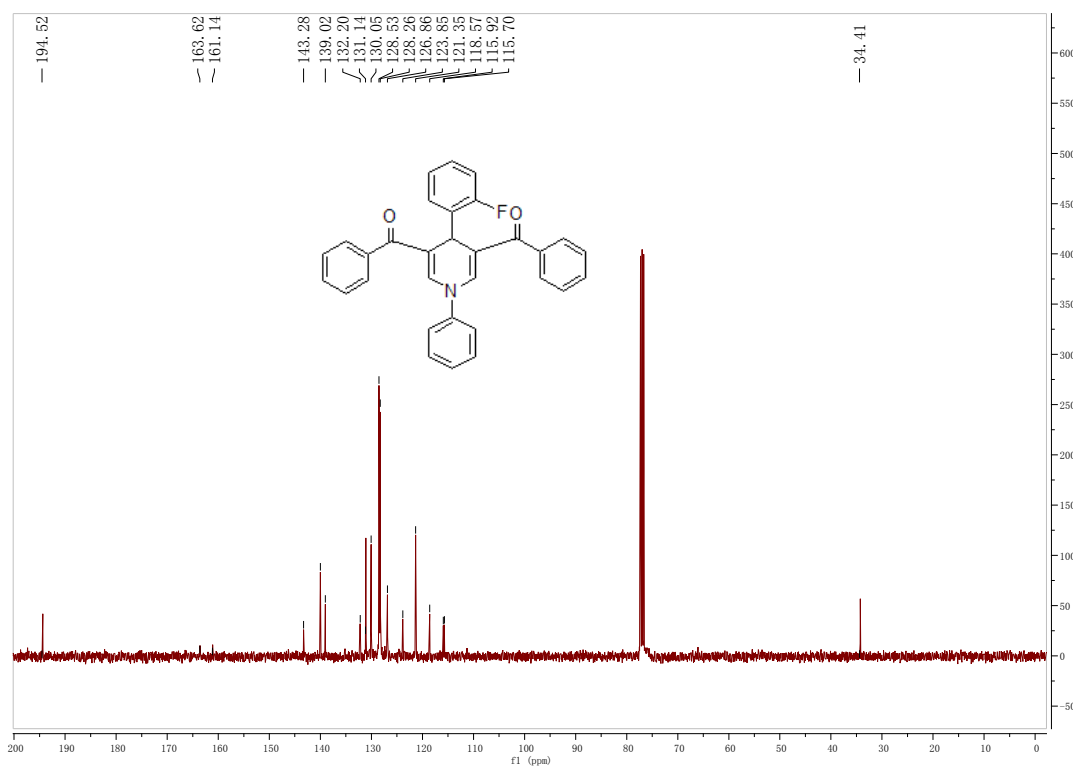
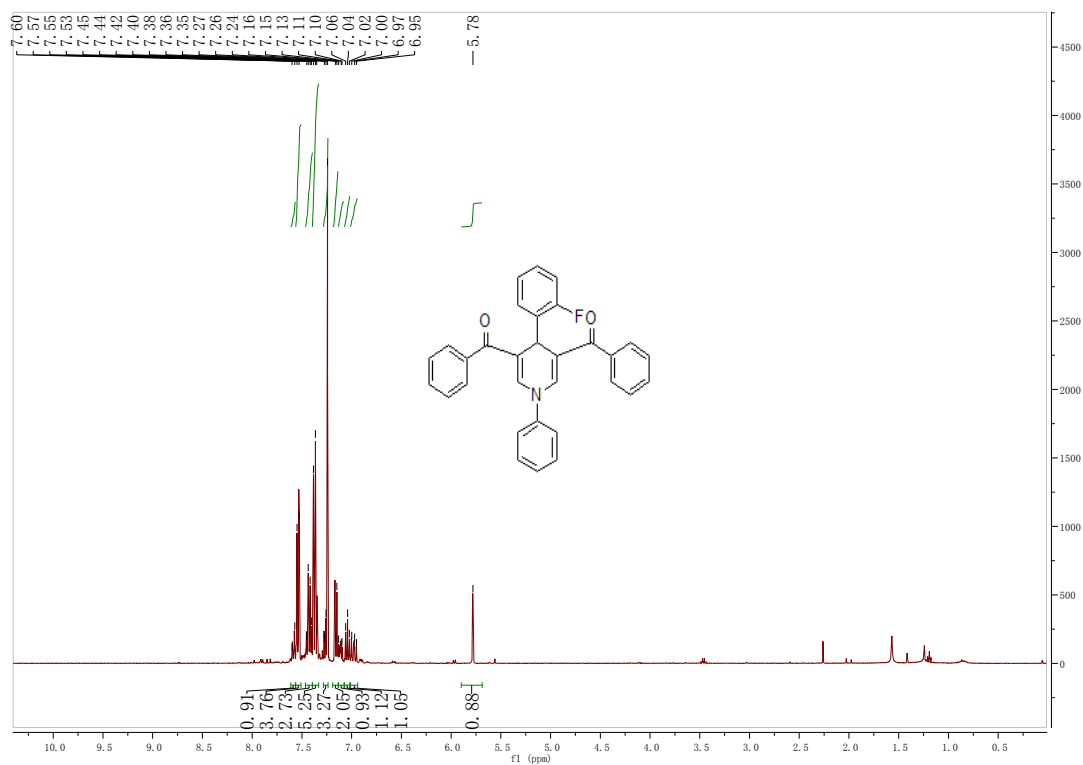
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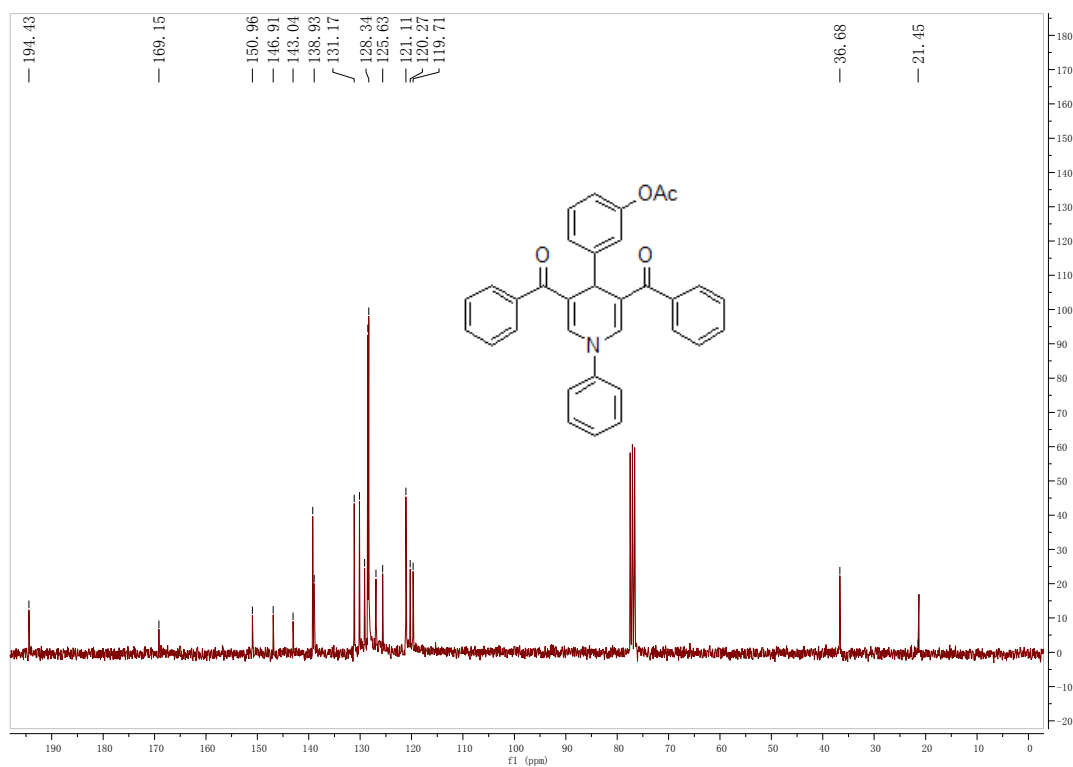
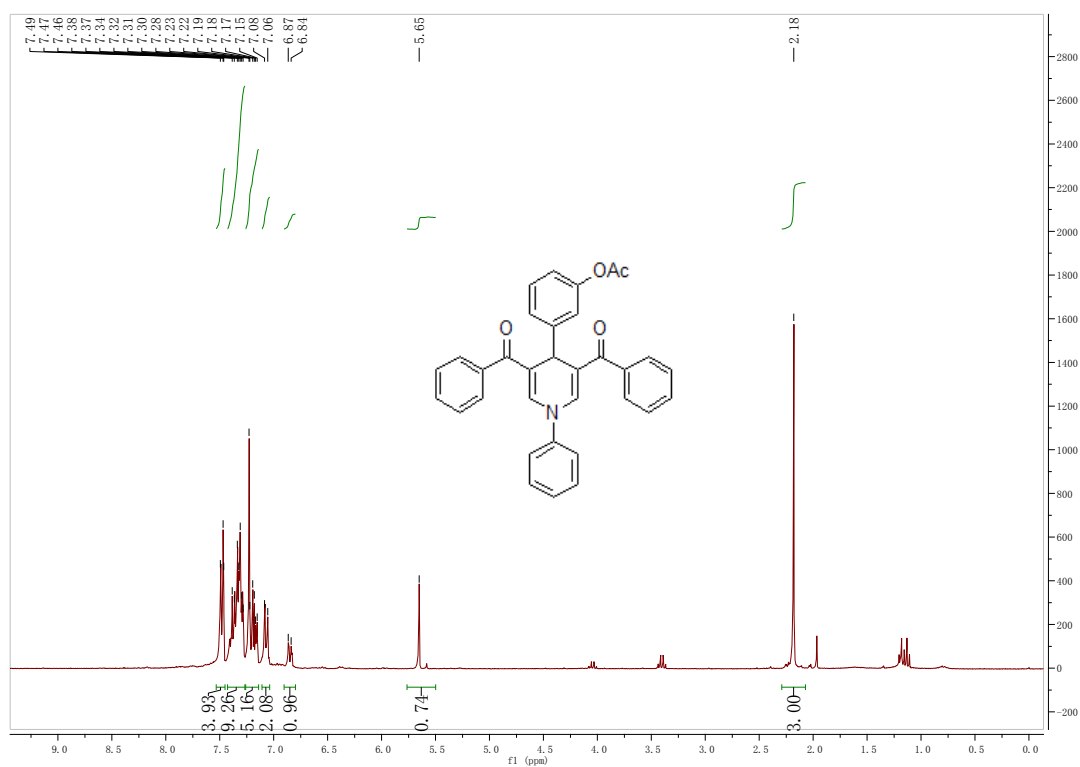
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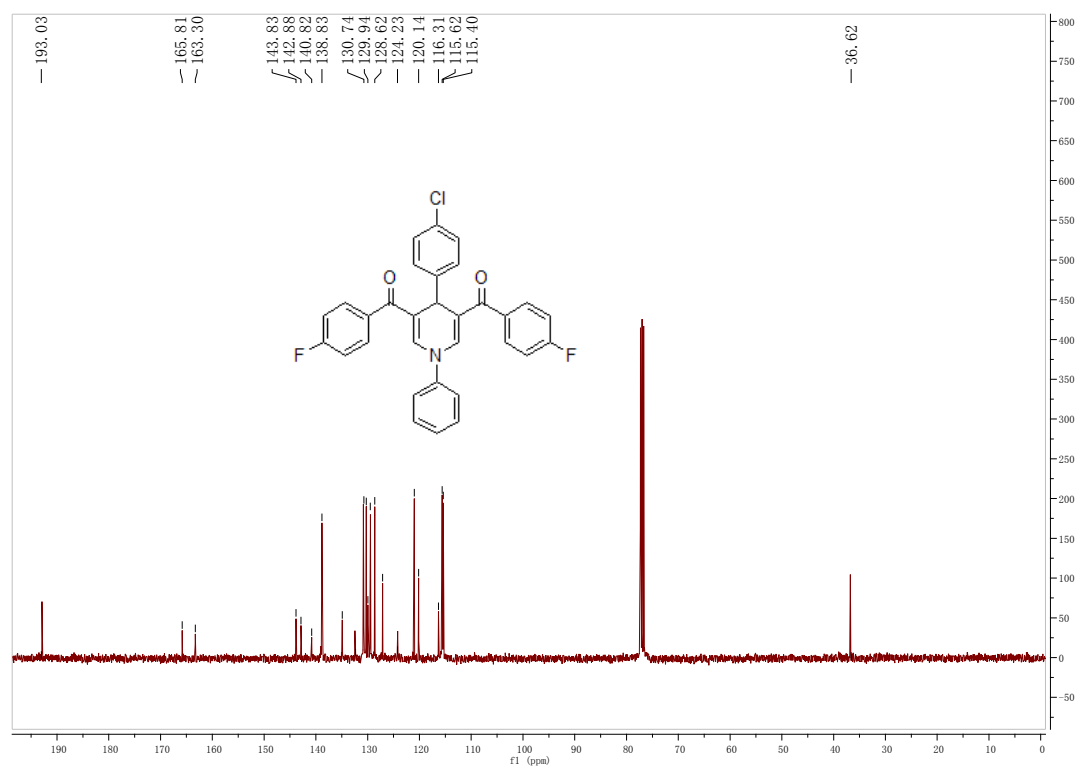
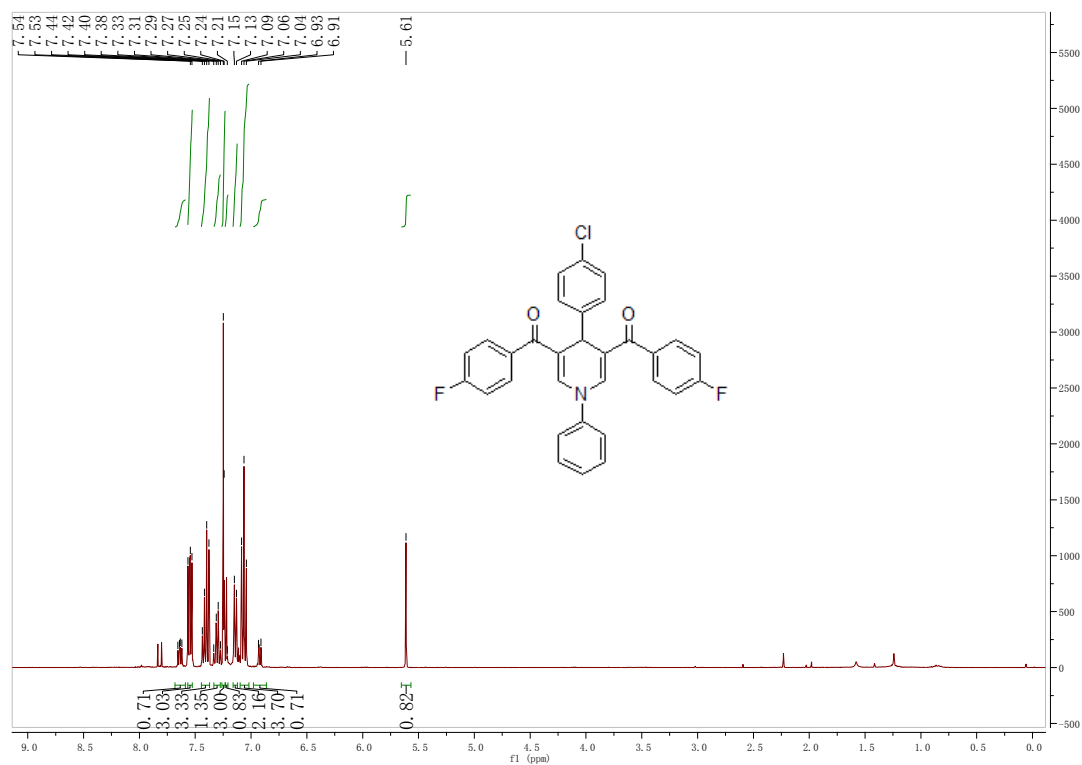
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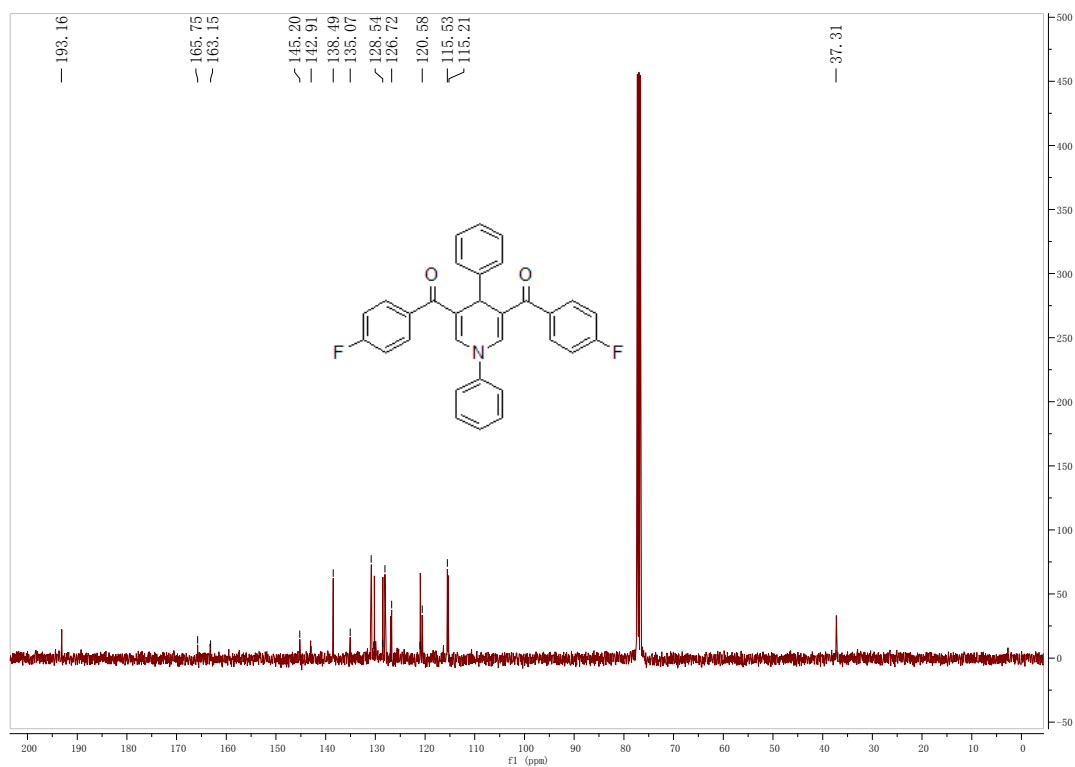
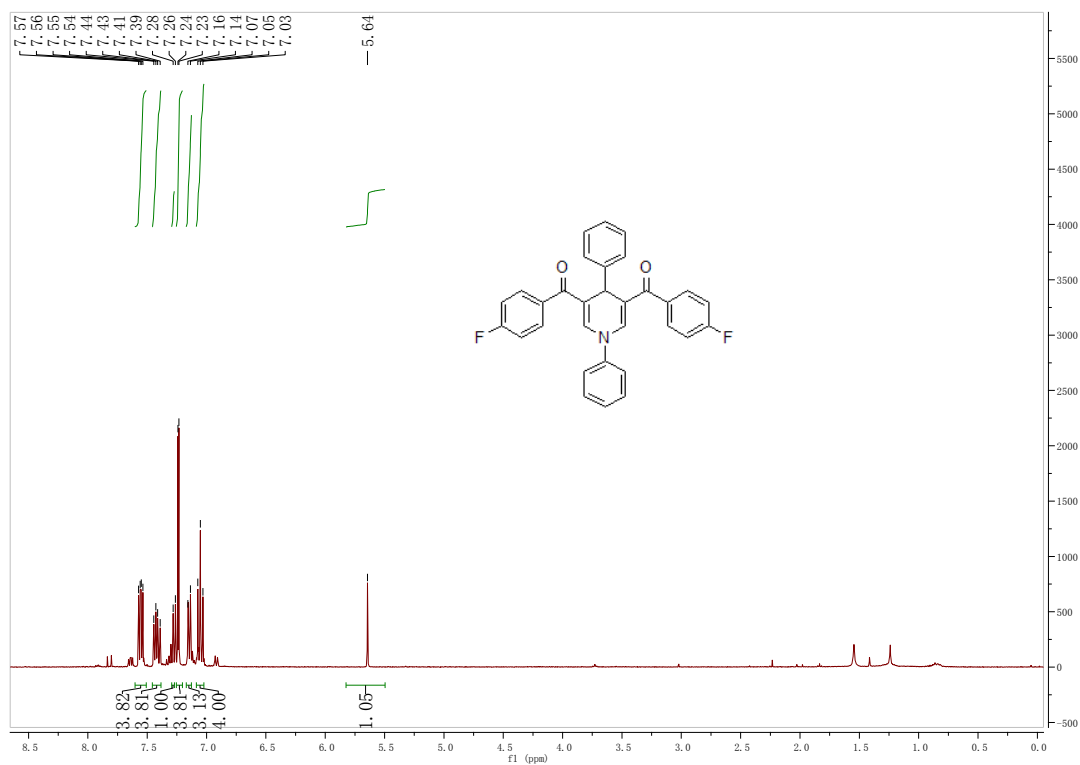
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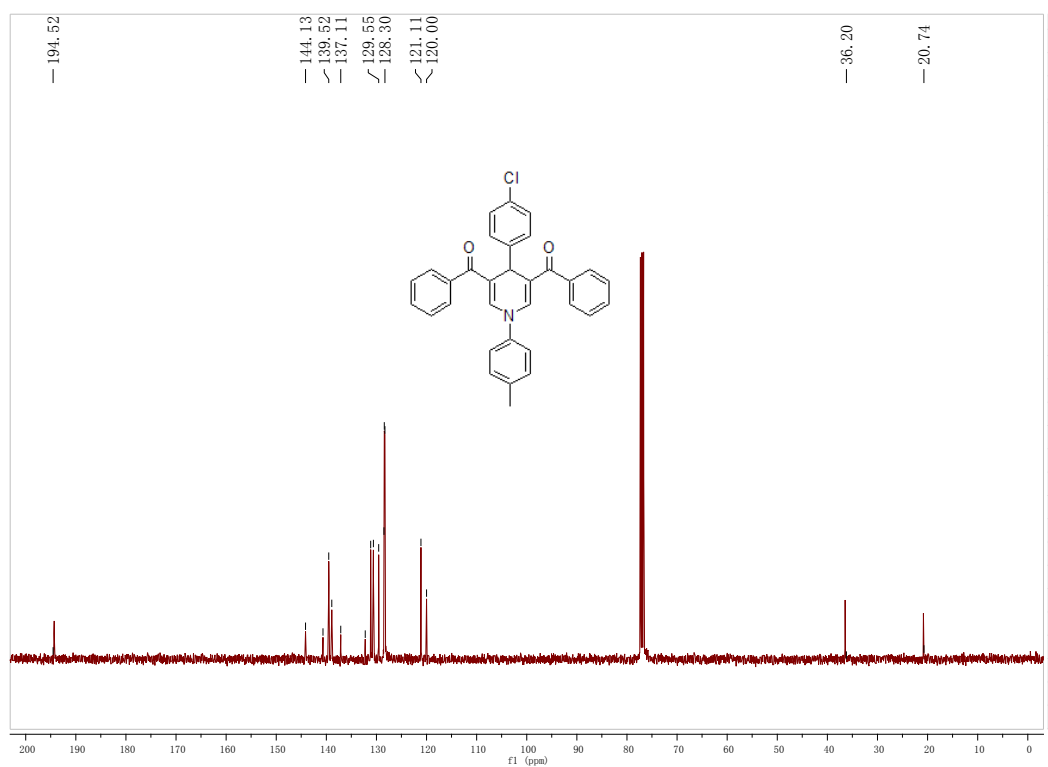
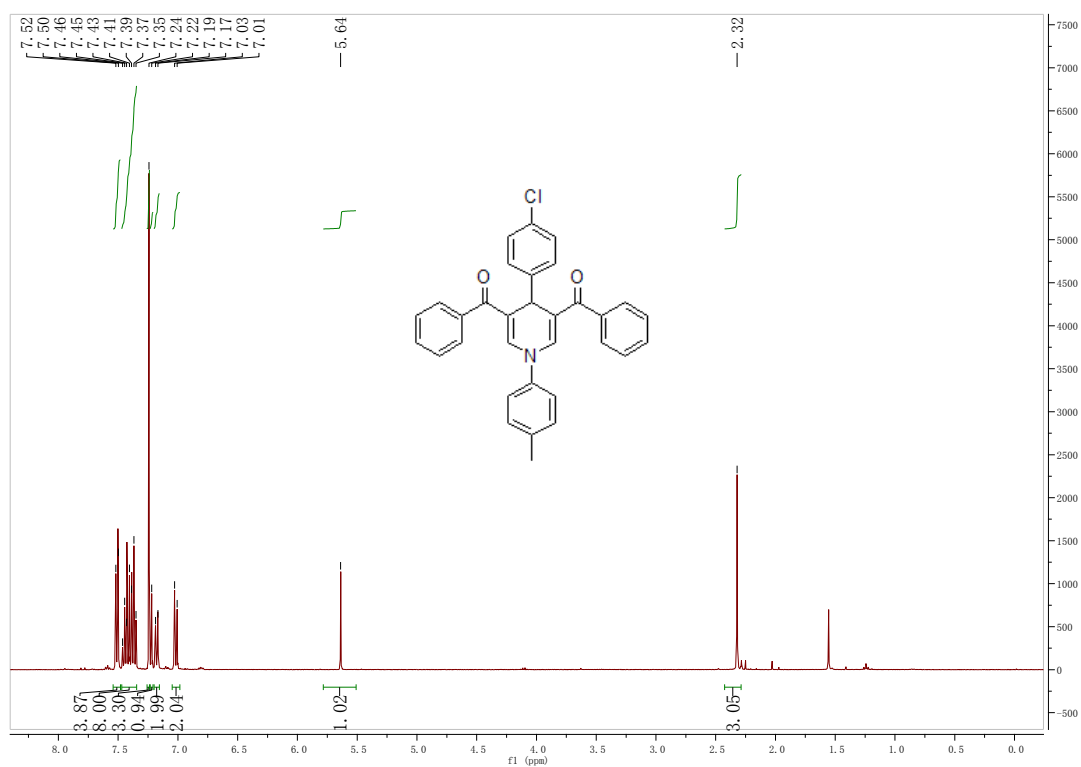
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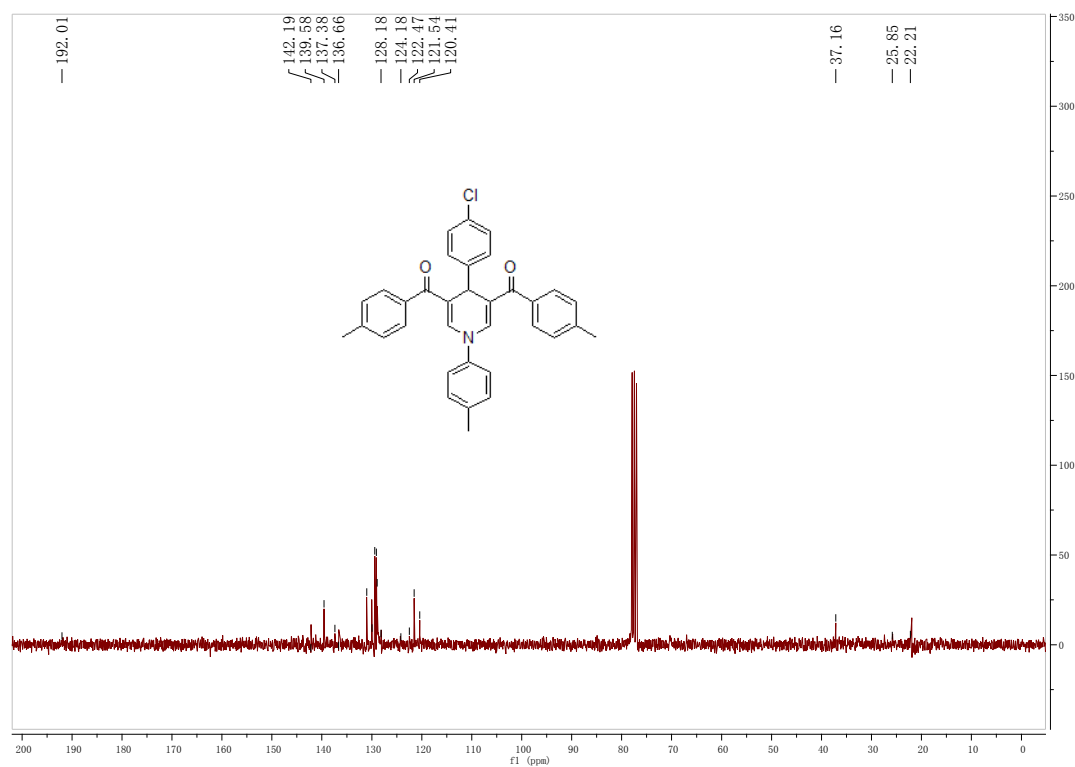
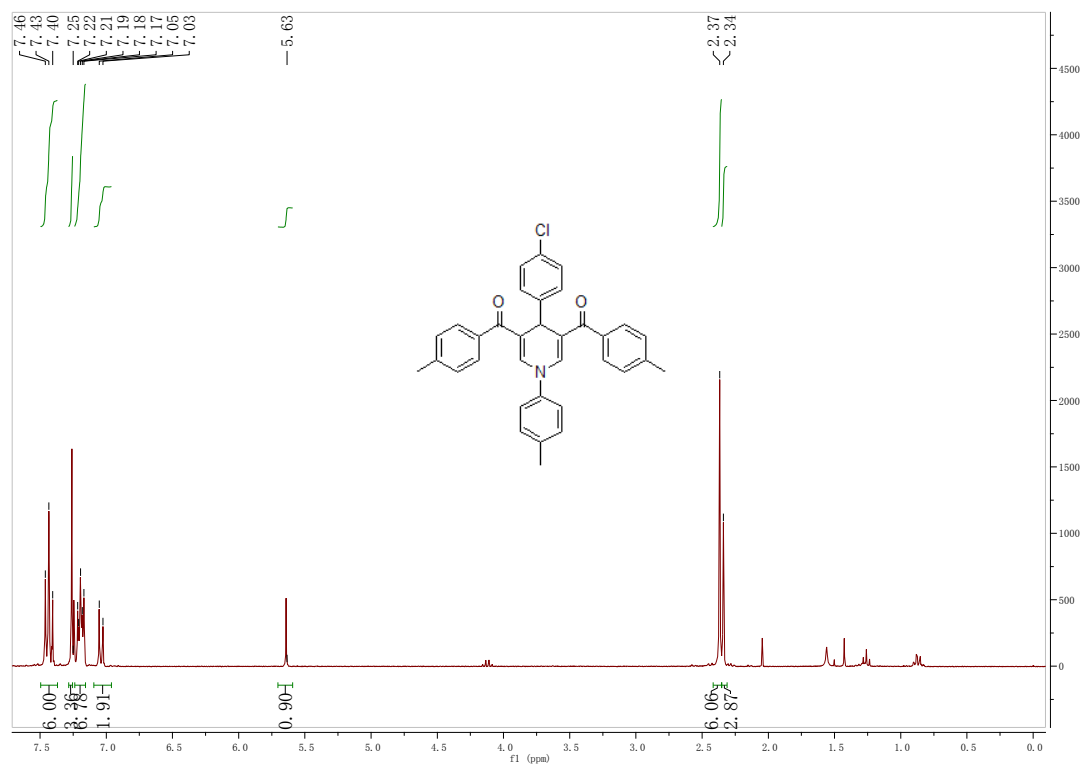
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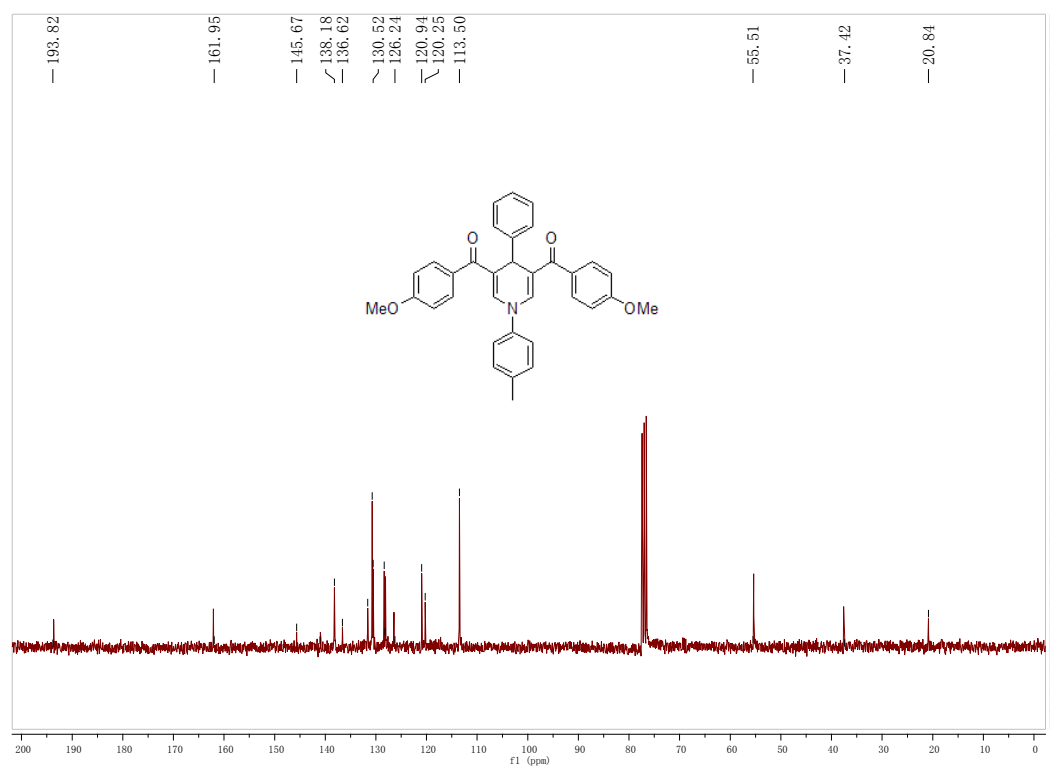
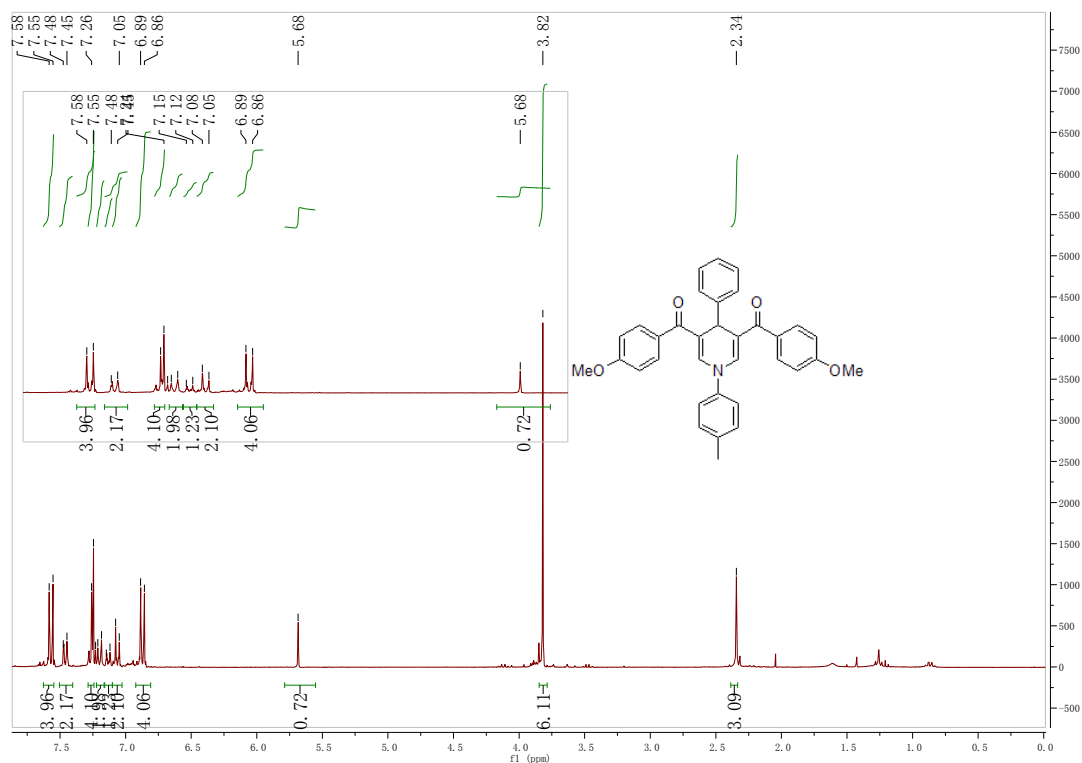
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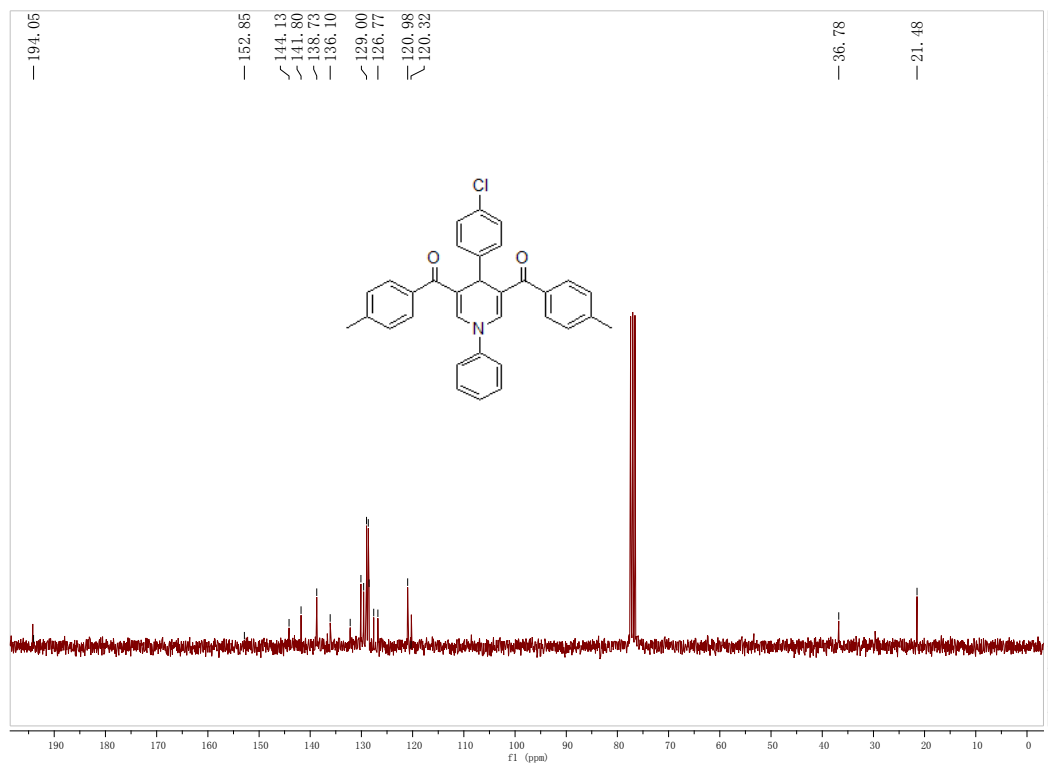
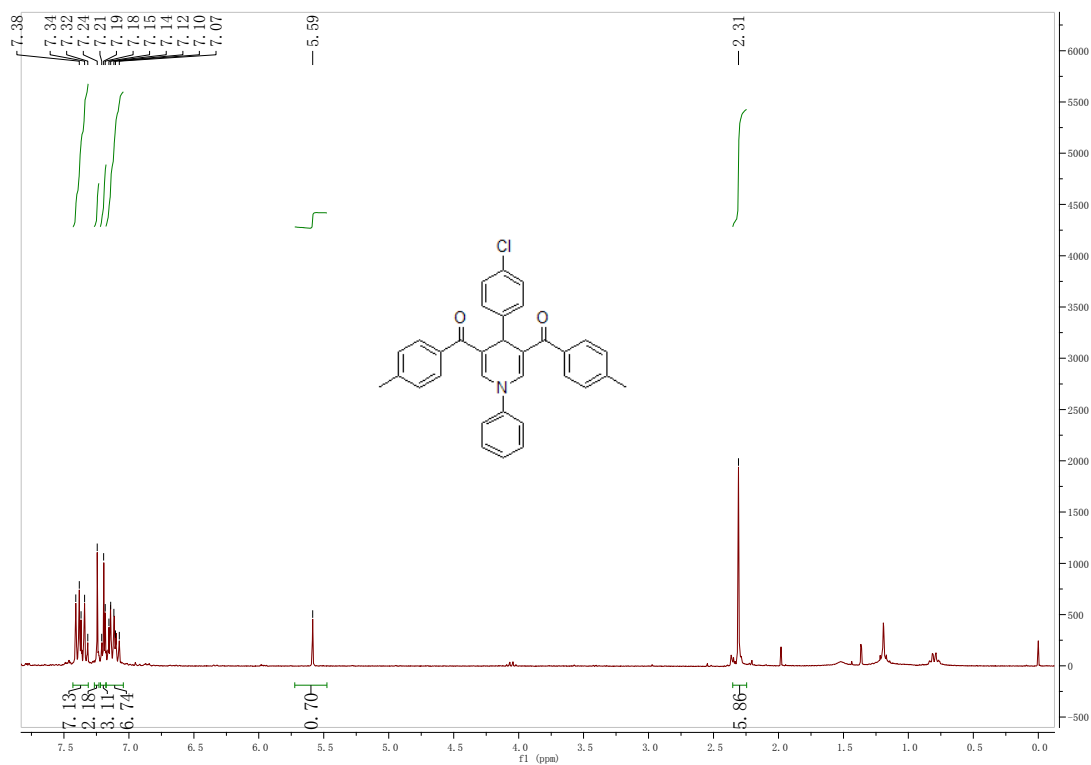
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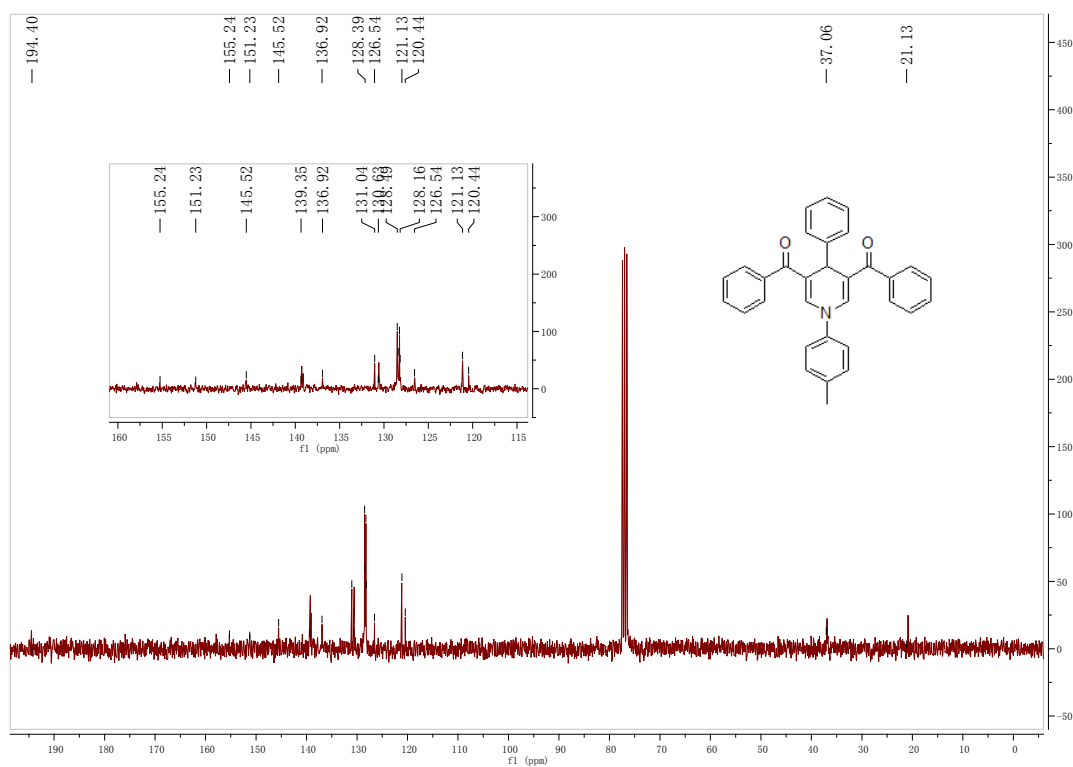
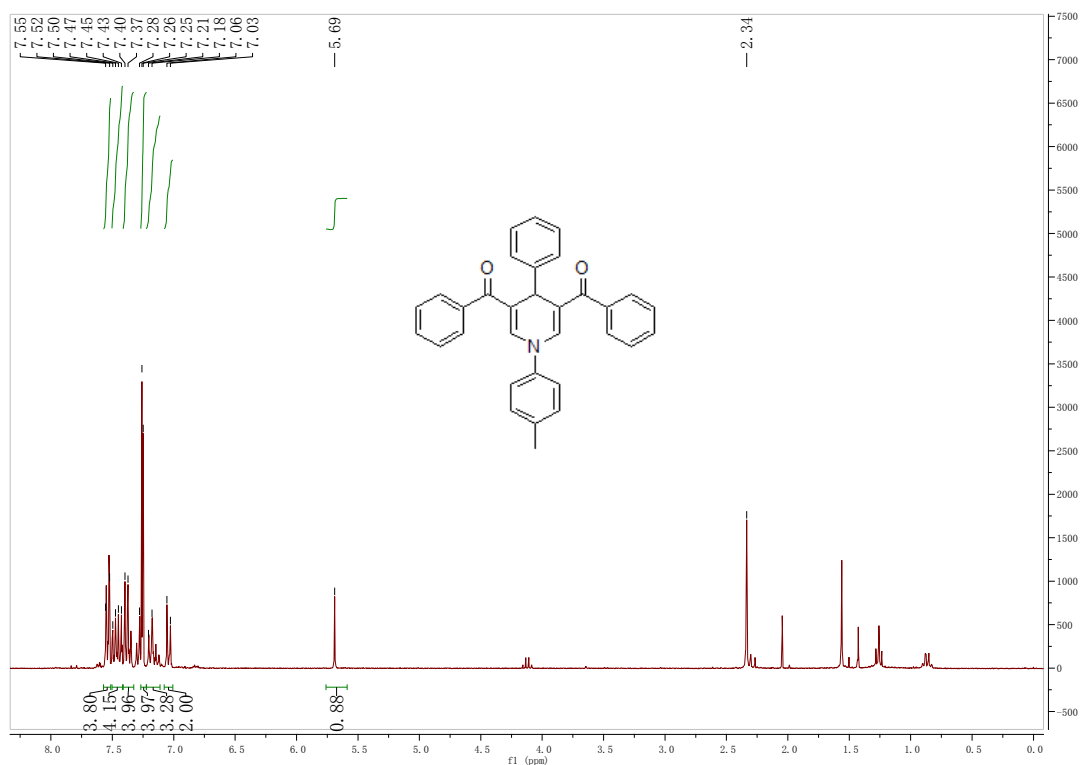
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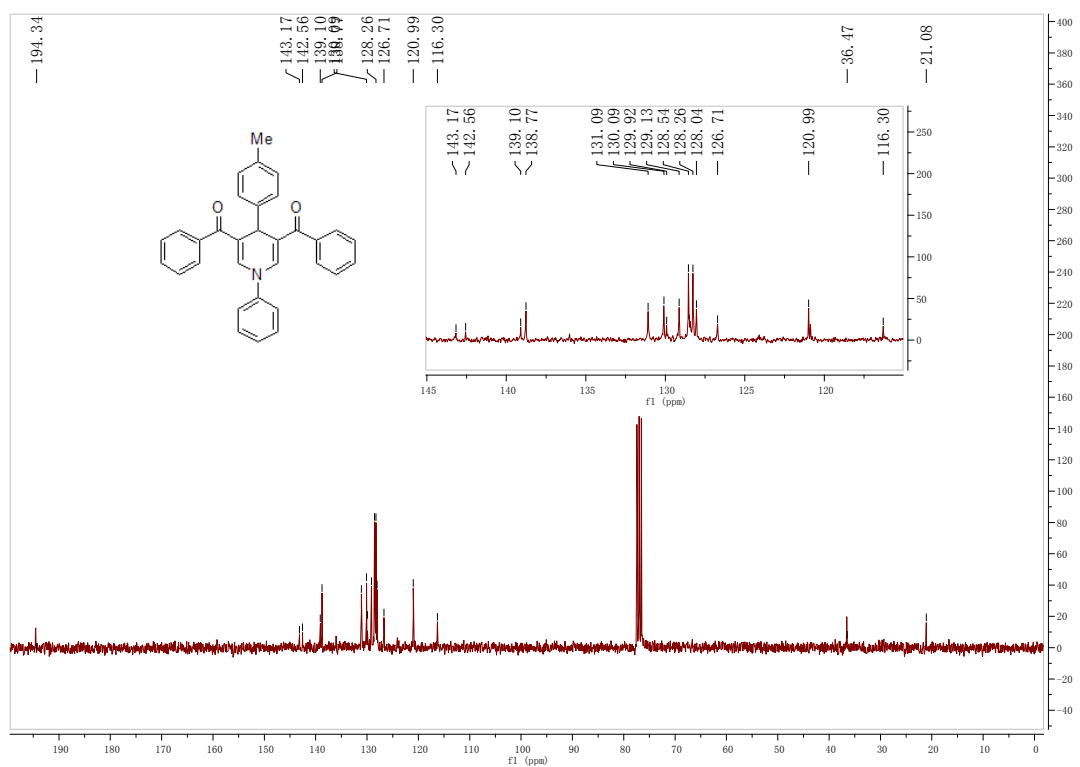
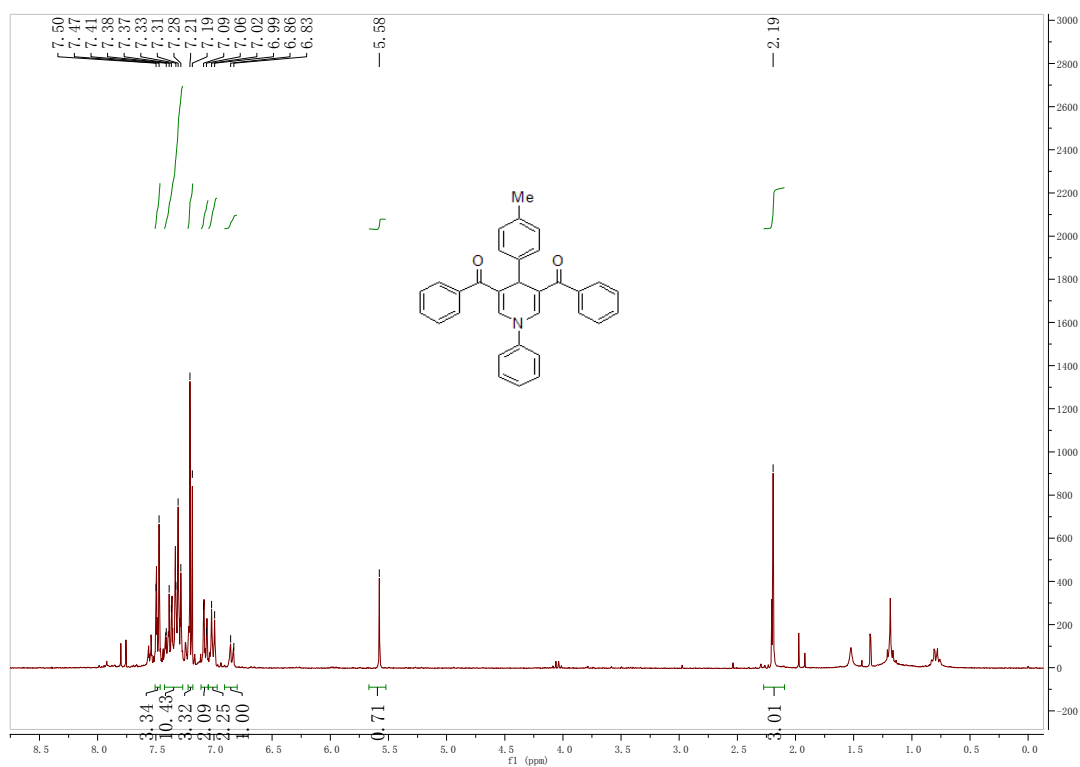
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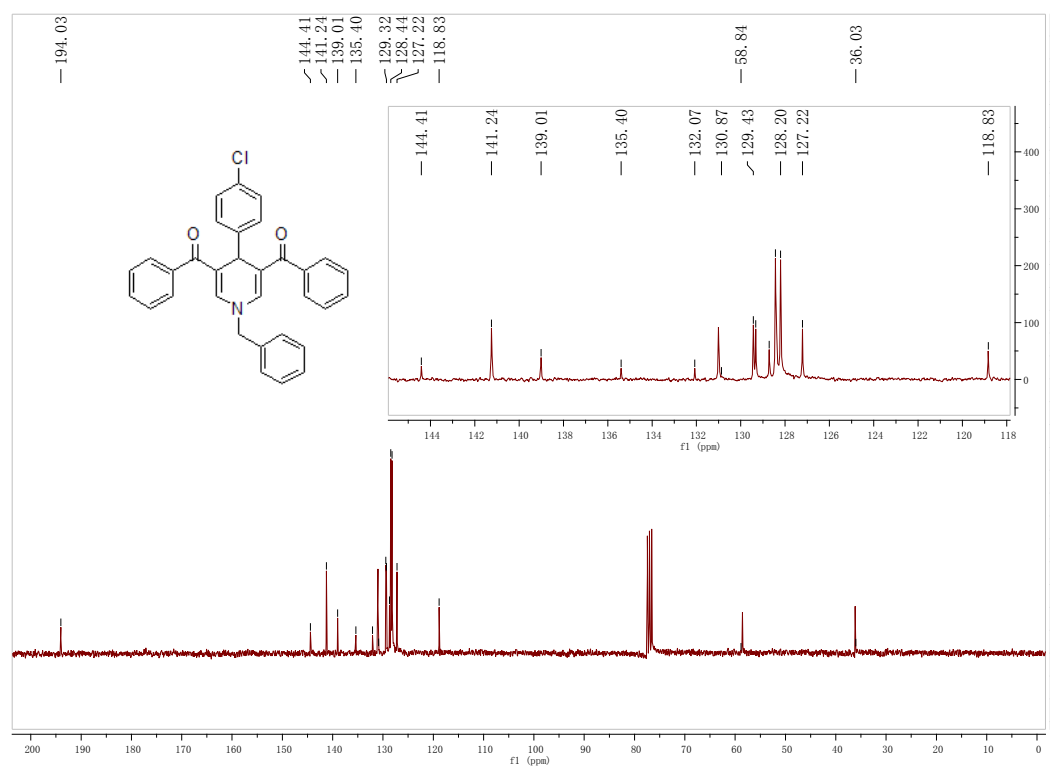
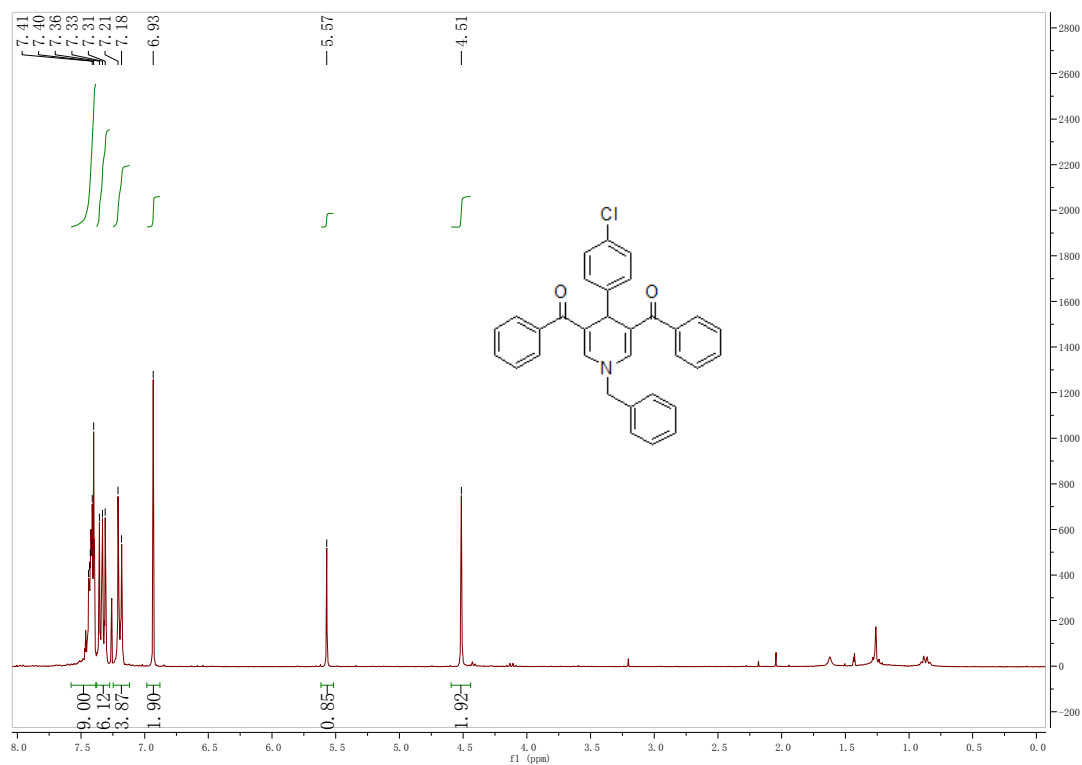
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3p



3s

