

Supporting Information

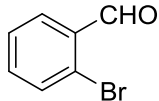
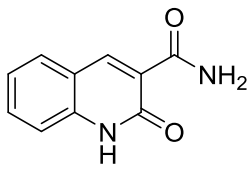
Step-Economic Synthesis of 3-Amido-2-Quinolones by Dendritic Copper-Mediated One-Pot Reaction

Byung Hoon Ahn, Ill Young Lee, Hee Nam Lim*

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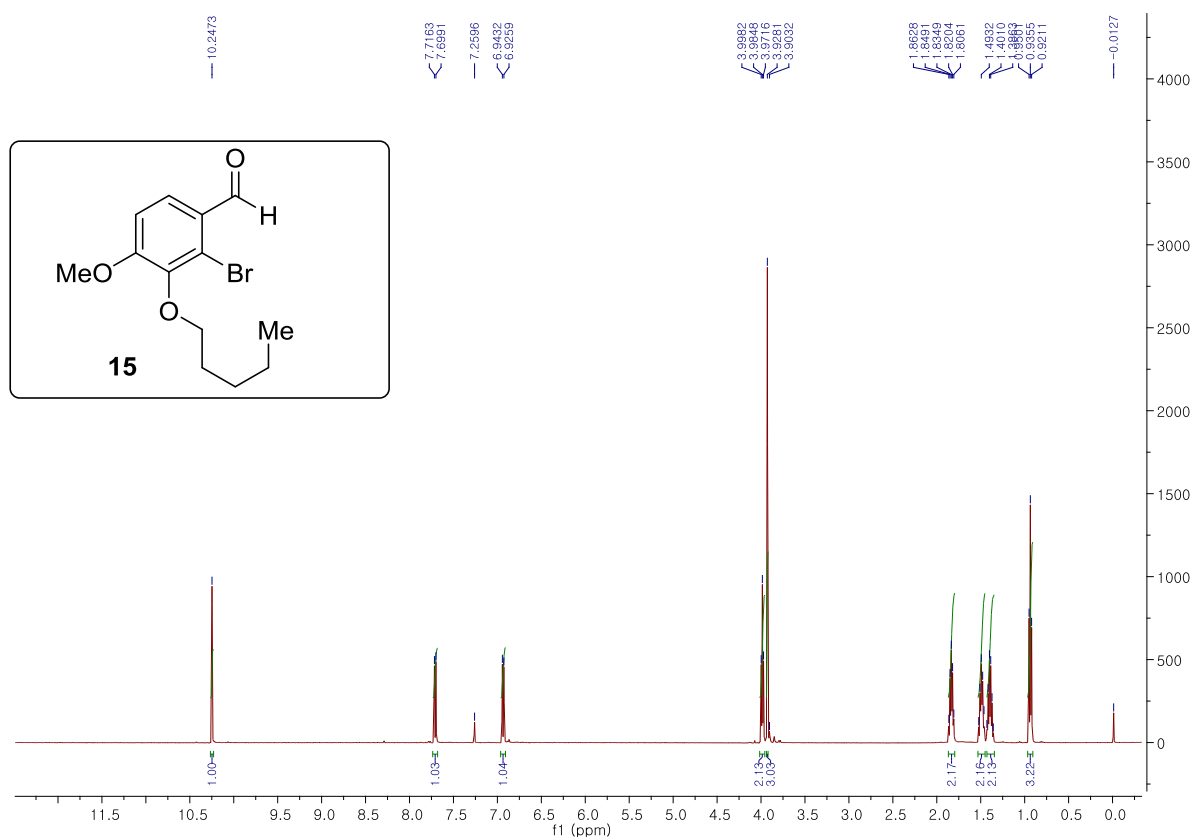
¹ H-NMR, ¹³ C-NMR spectra.....	S 2-26
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Additional Experiments for Moisture-Sensitivity

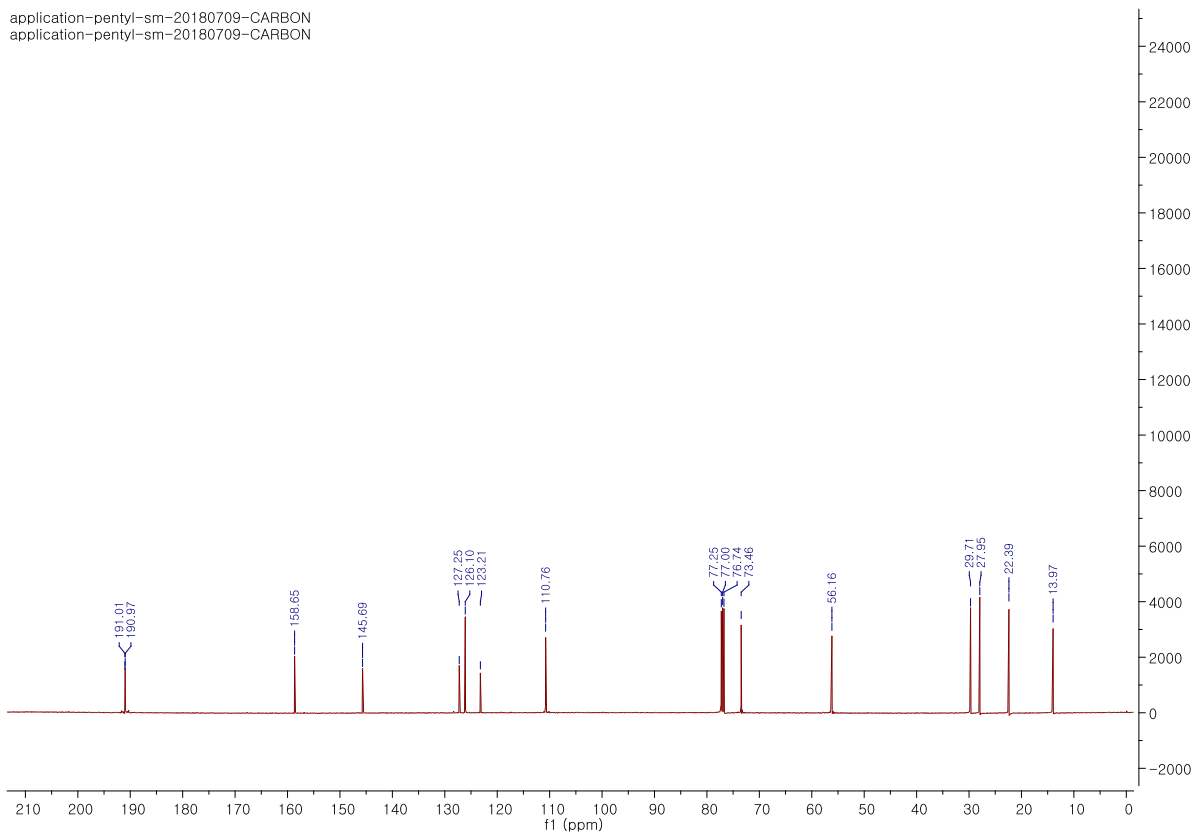
<div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: center;">  <p>1a (0.5 mmol scale)</p> </div> <div style="margin: 0 20px; text-align: center;"> <p>dendritic Cu (0.5 mmol) malonamide (1.0 mmol) piperidine (0.25 mmol)</p> <hr style="width: 100%;"/> <p>DMA (1.5 mL), 110 °C, 2 d</p> </div> <div style="text-align: center;">  <p>3a</p> </div> </div>	
addition of water	Yield ^a
1 equiv (0.5 mmol)	56%
5 equiv (2.5 mmol)	51%
10 equiv (5.0 mmol)	44%

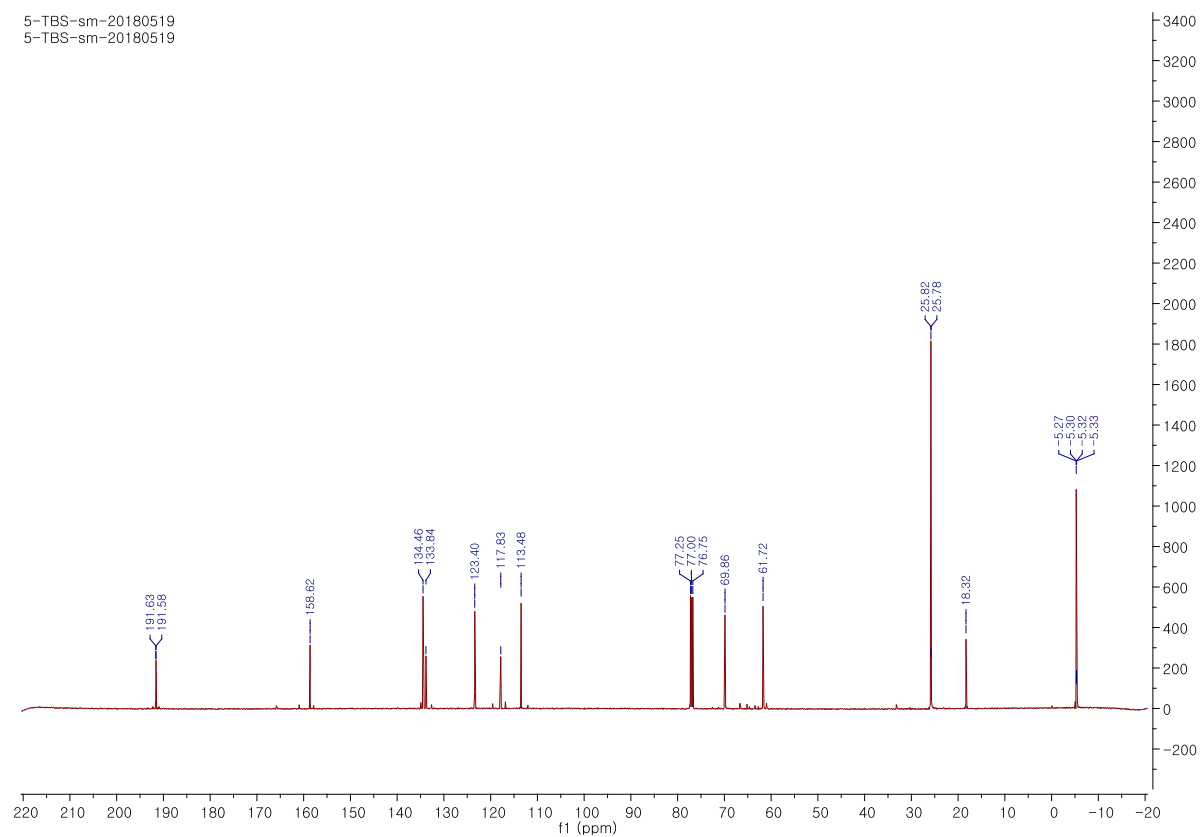
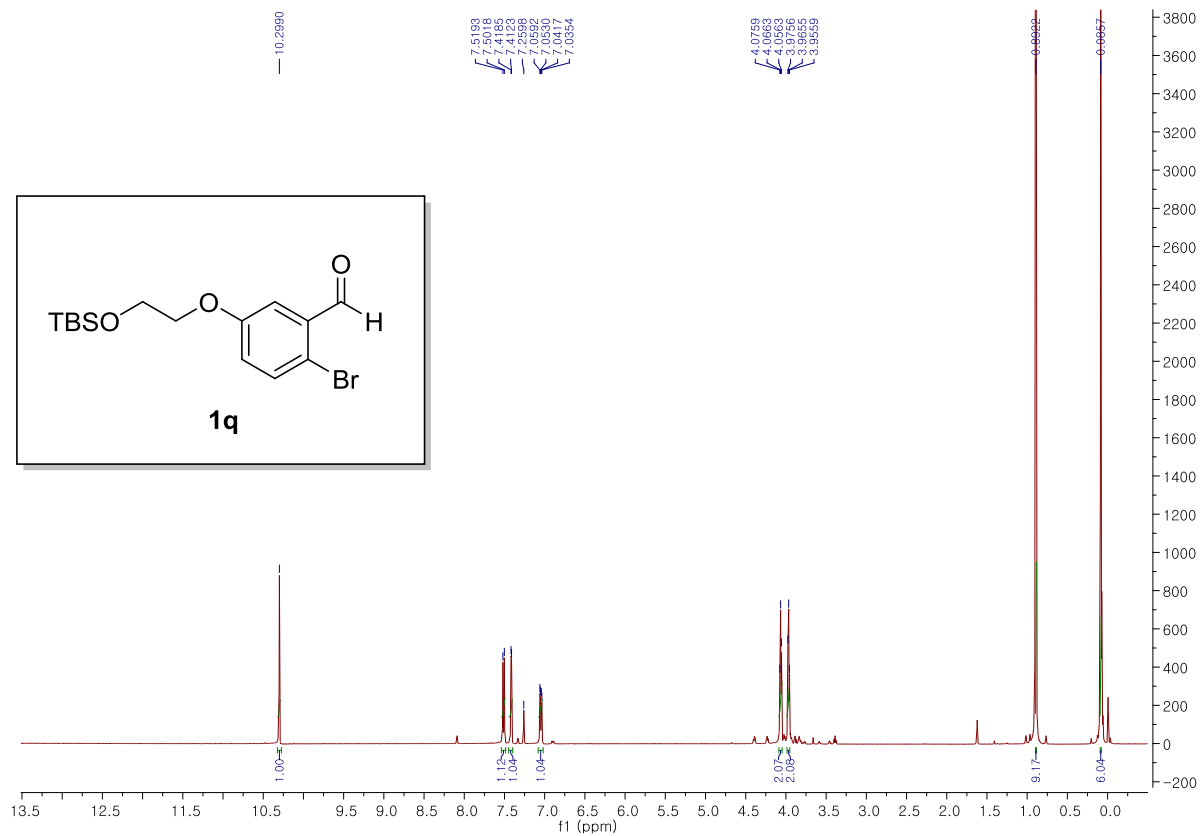
^adetermined by ¹H NMR using 1,3,5-trimethoxybenzene as the internal standard

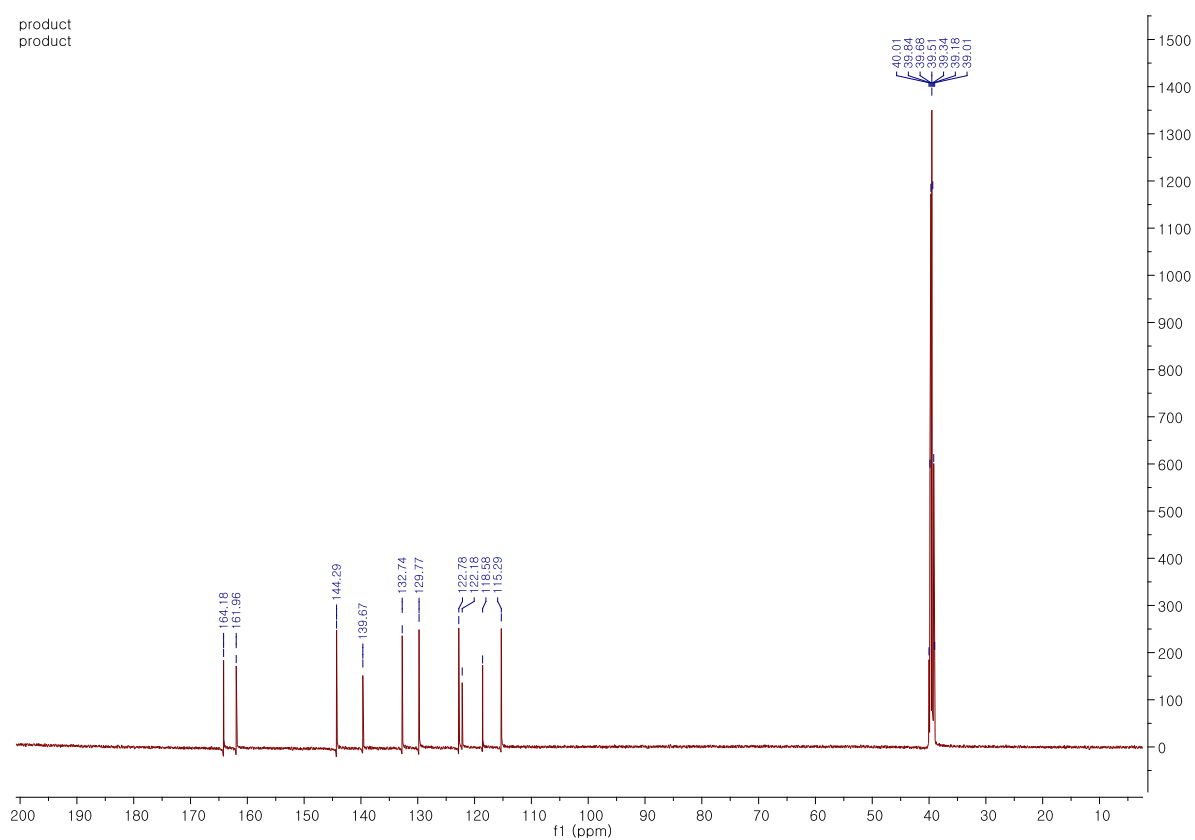
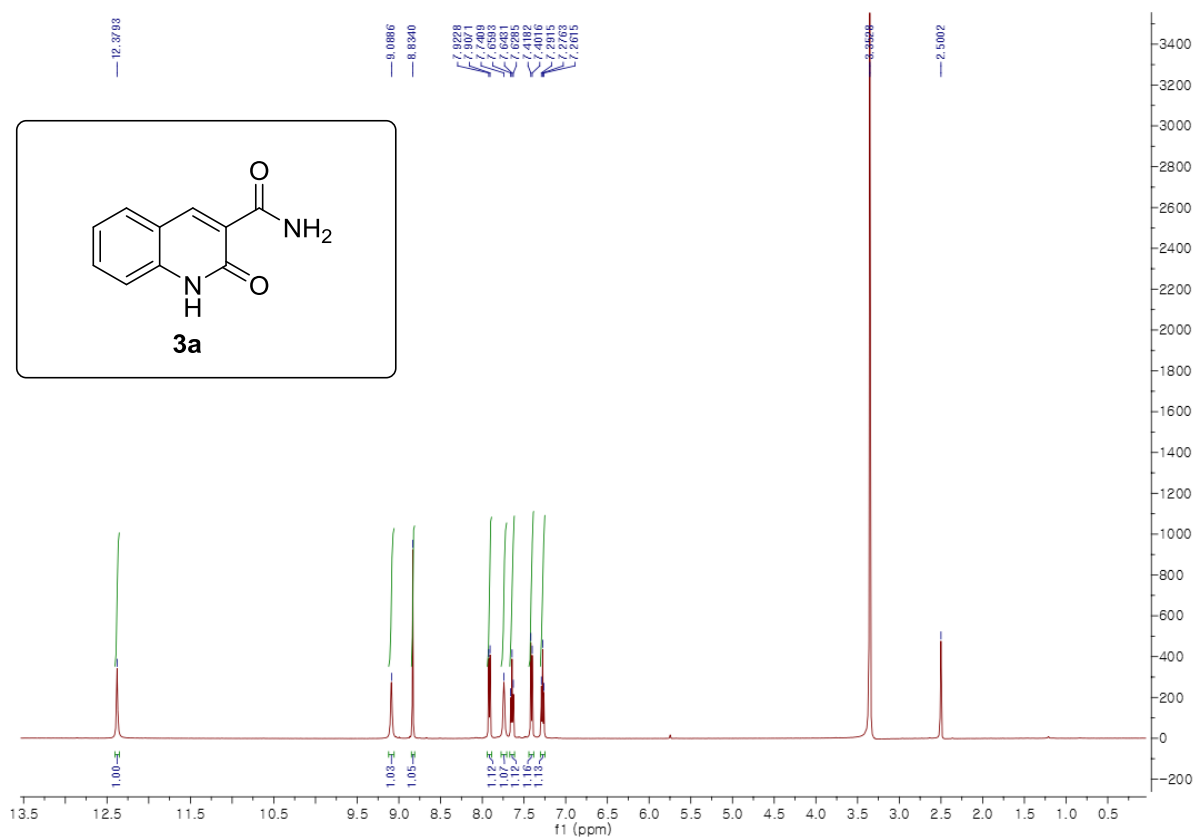
1. ^1H -NMR, ^{13}C -NMR

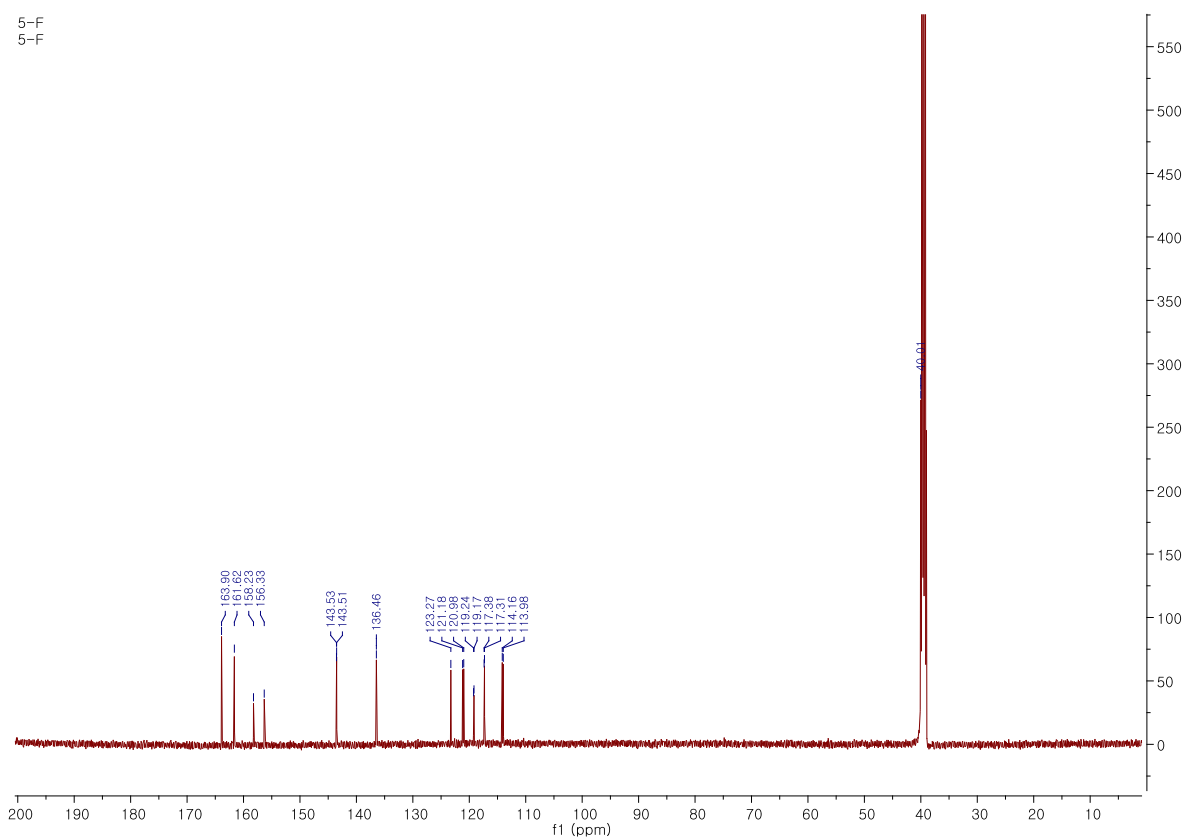
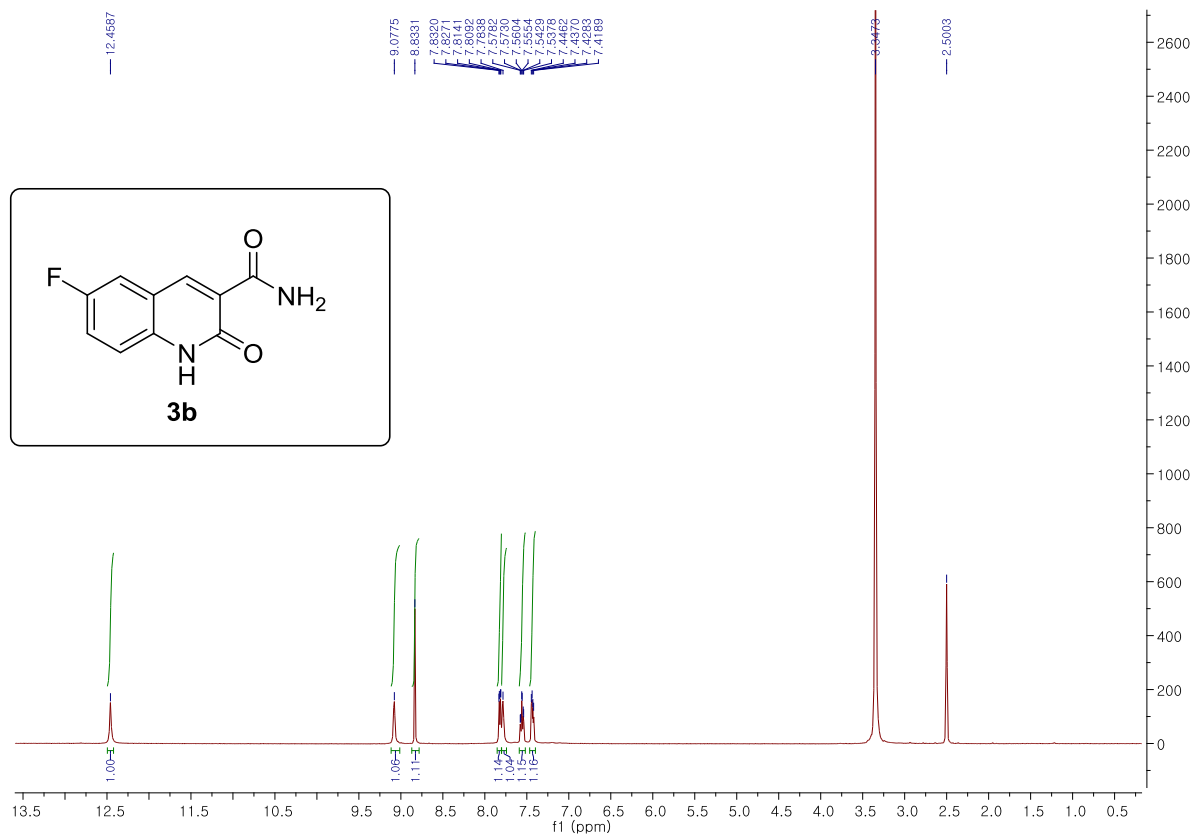


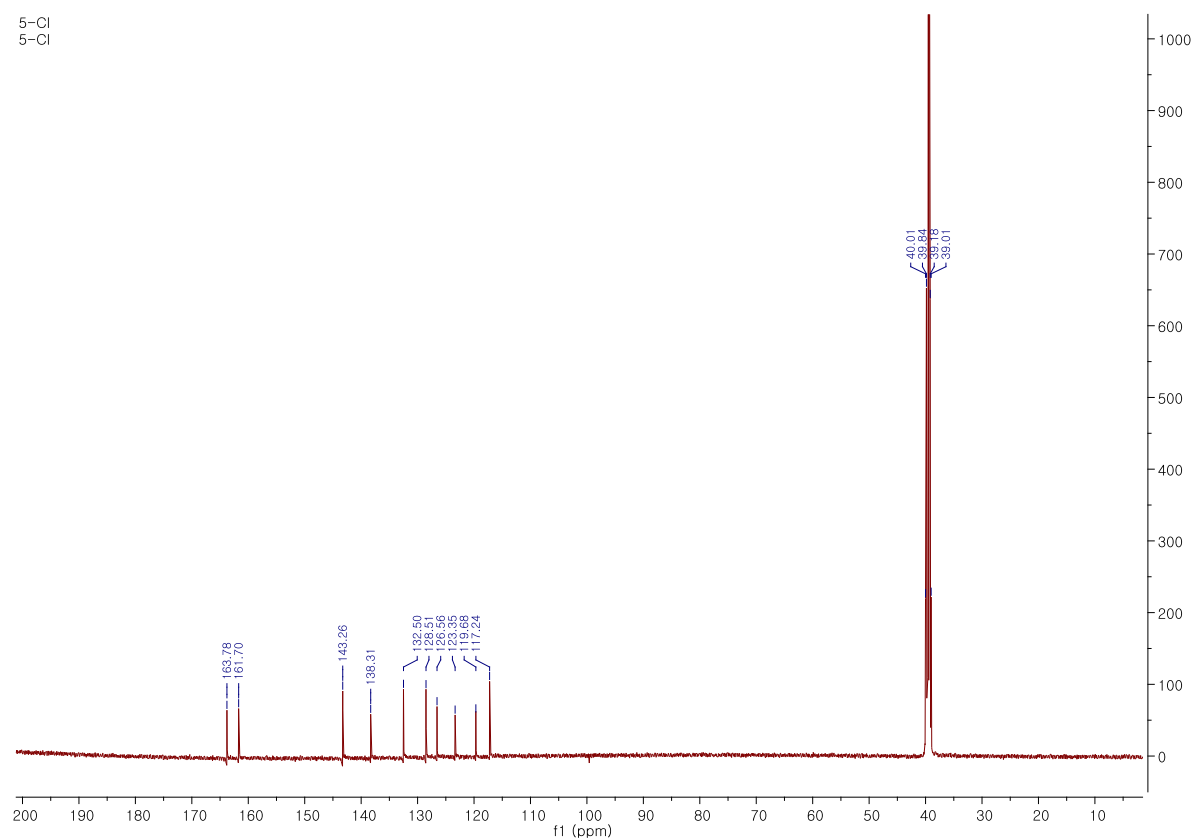
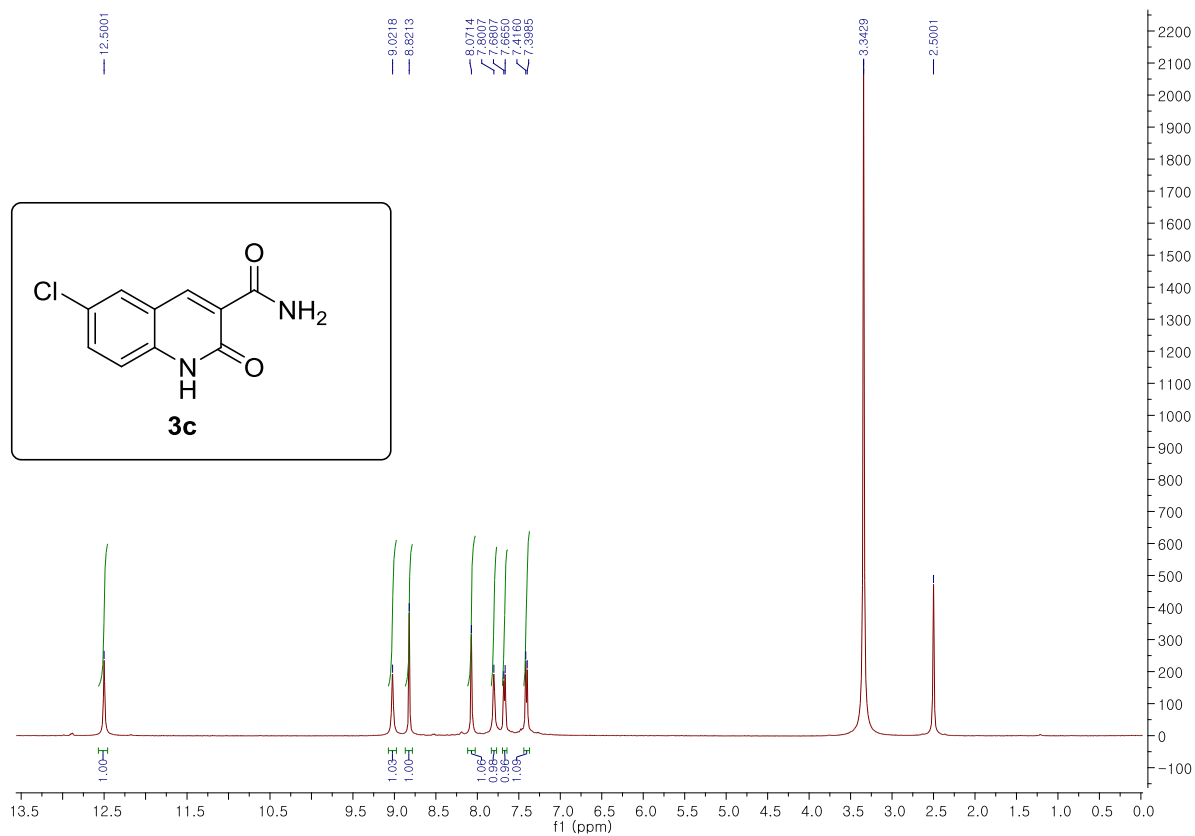
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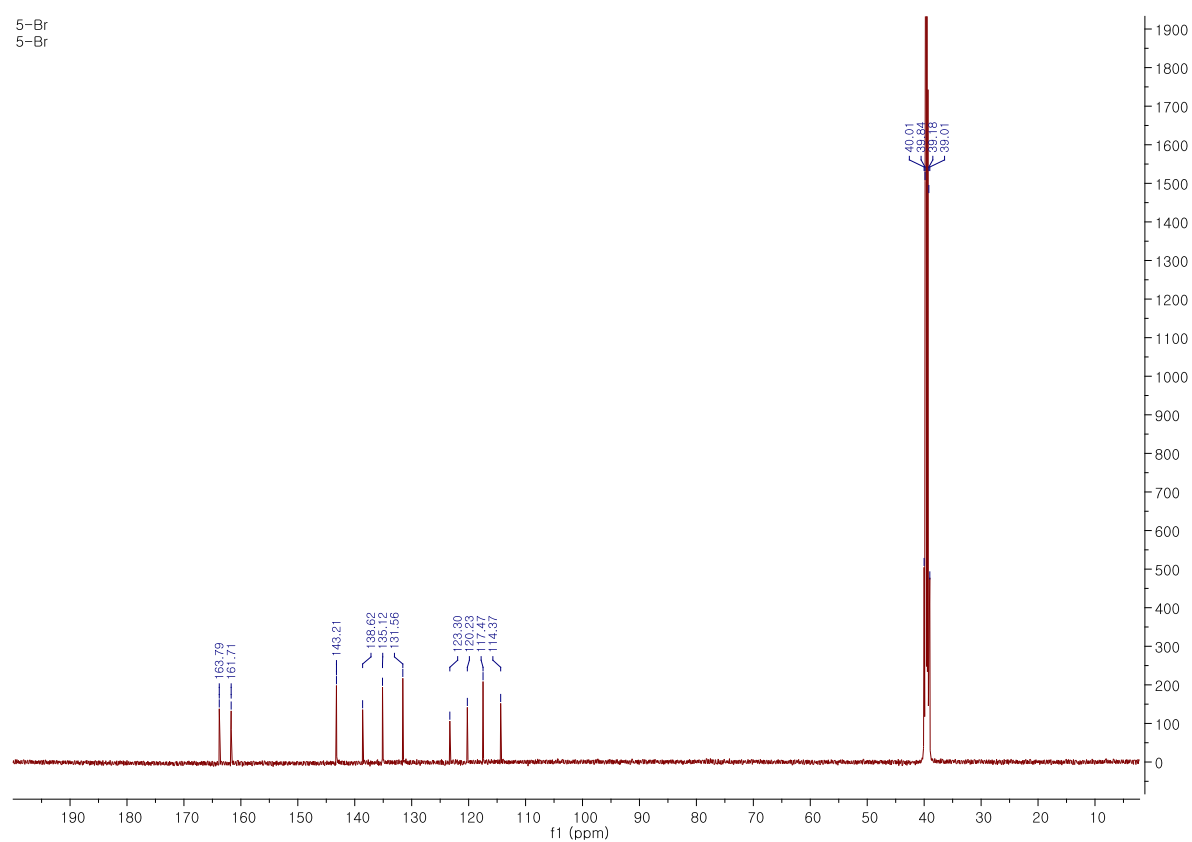
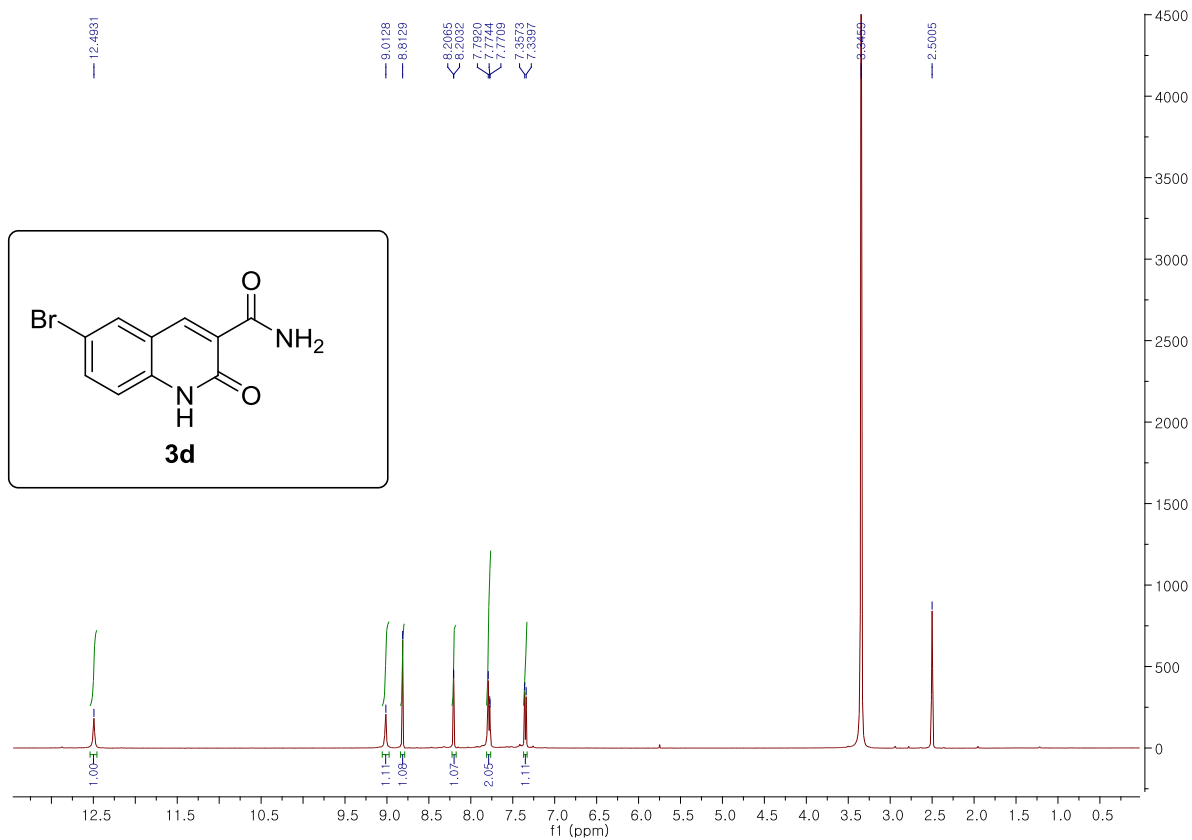


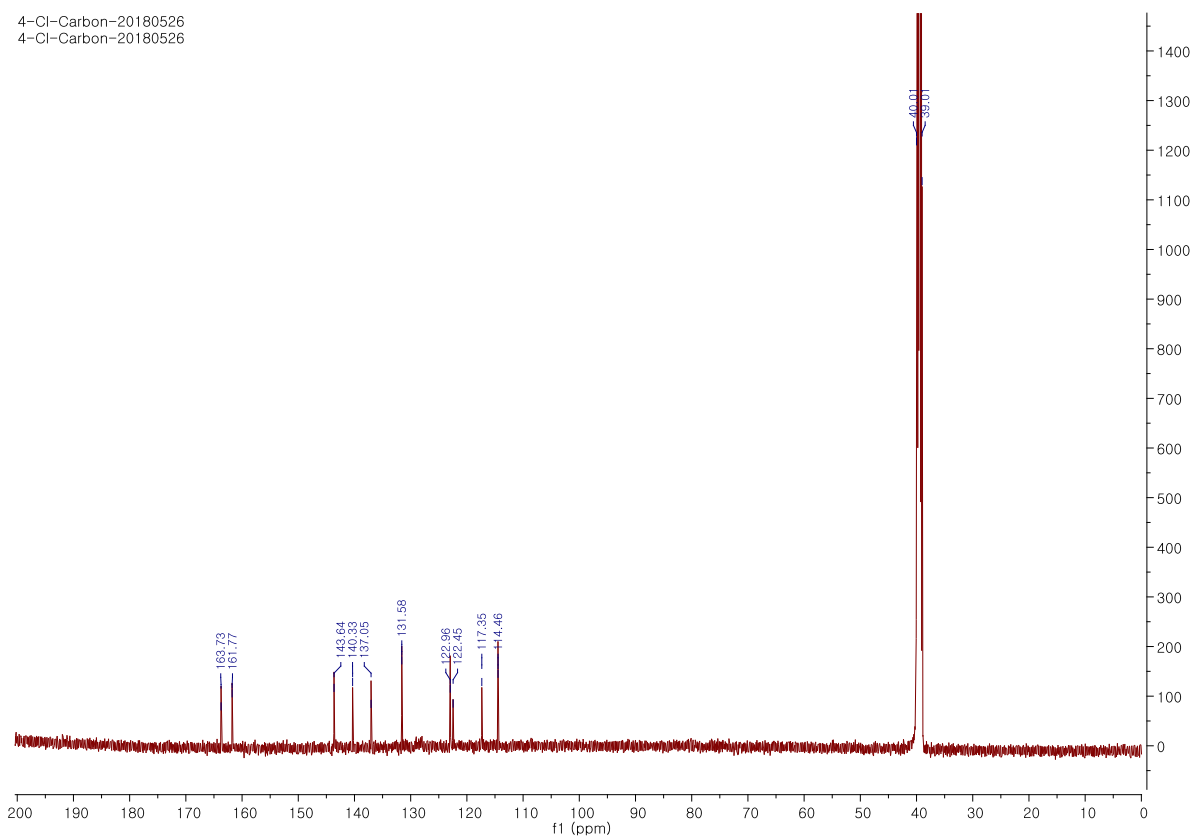
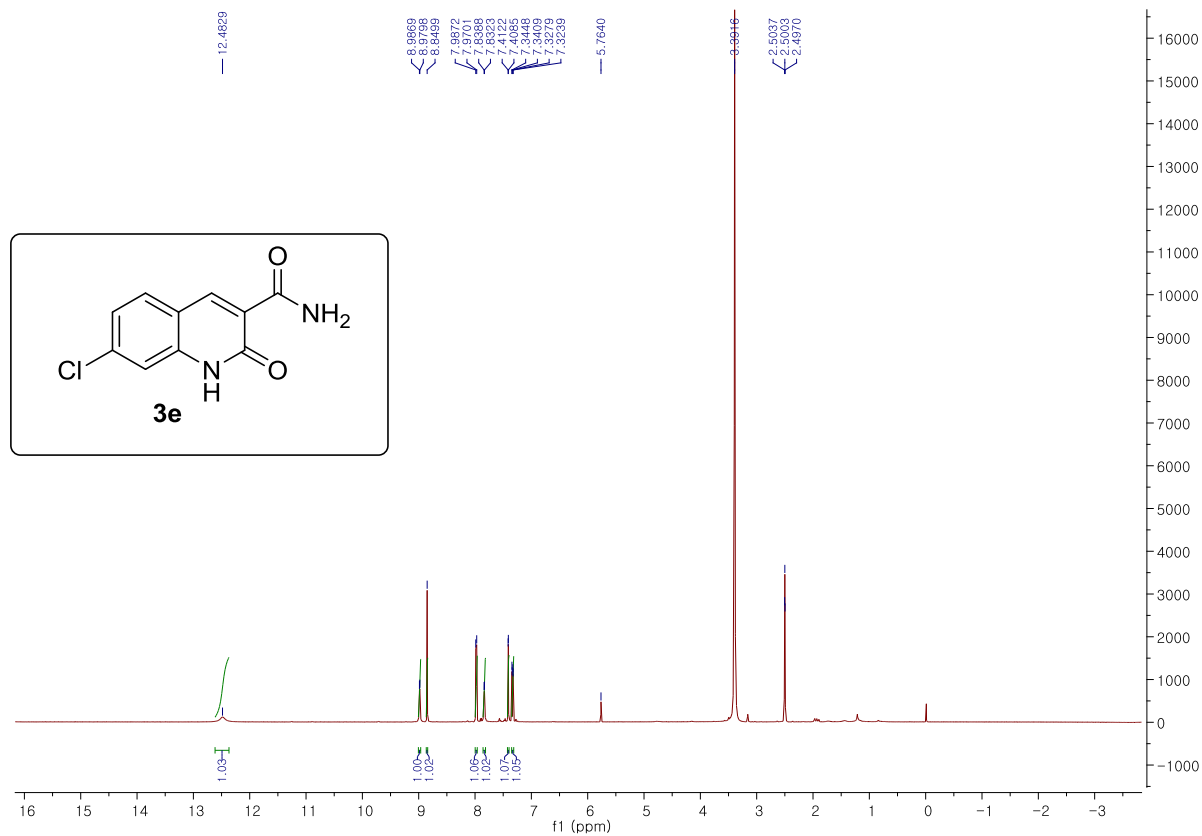


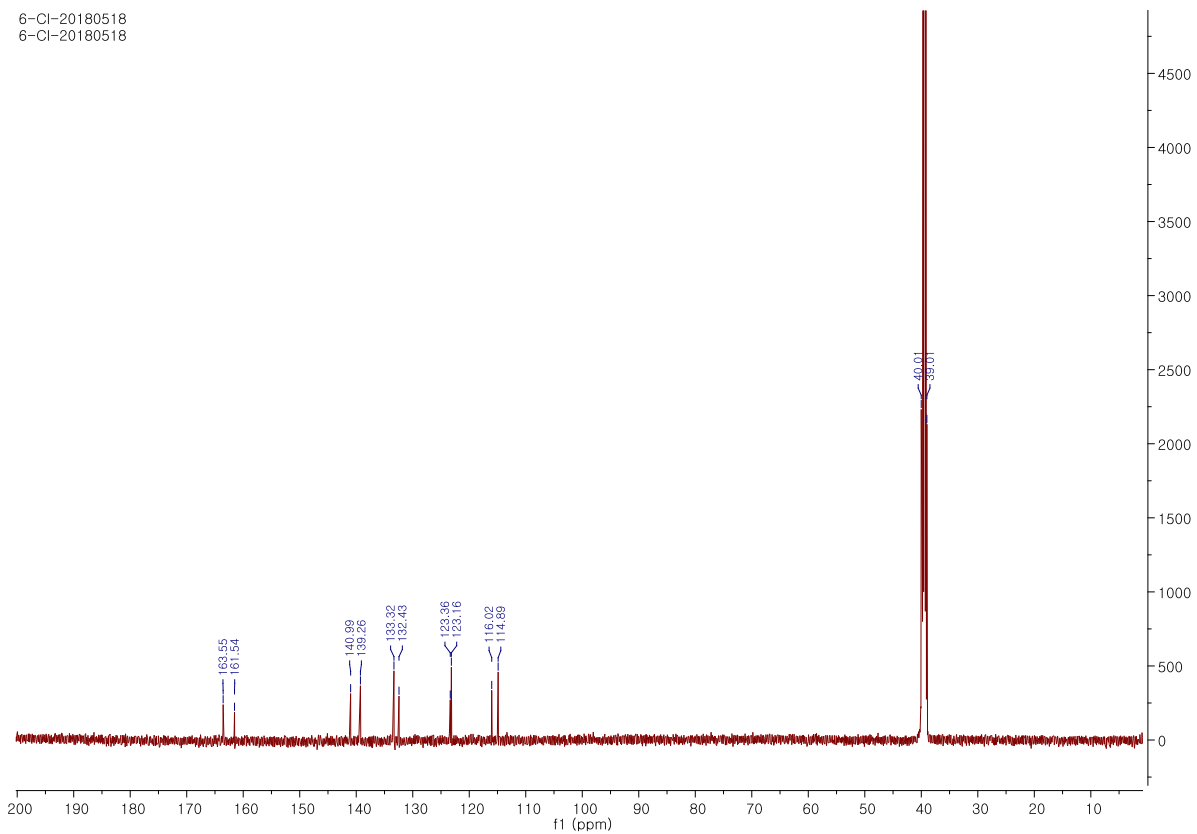
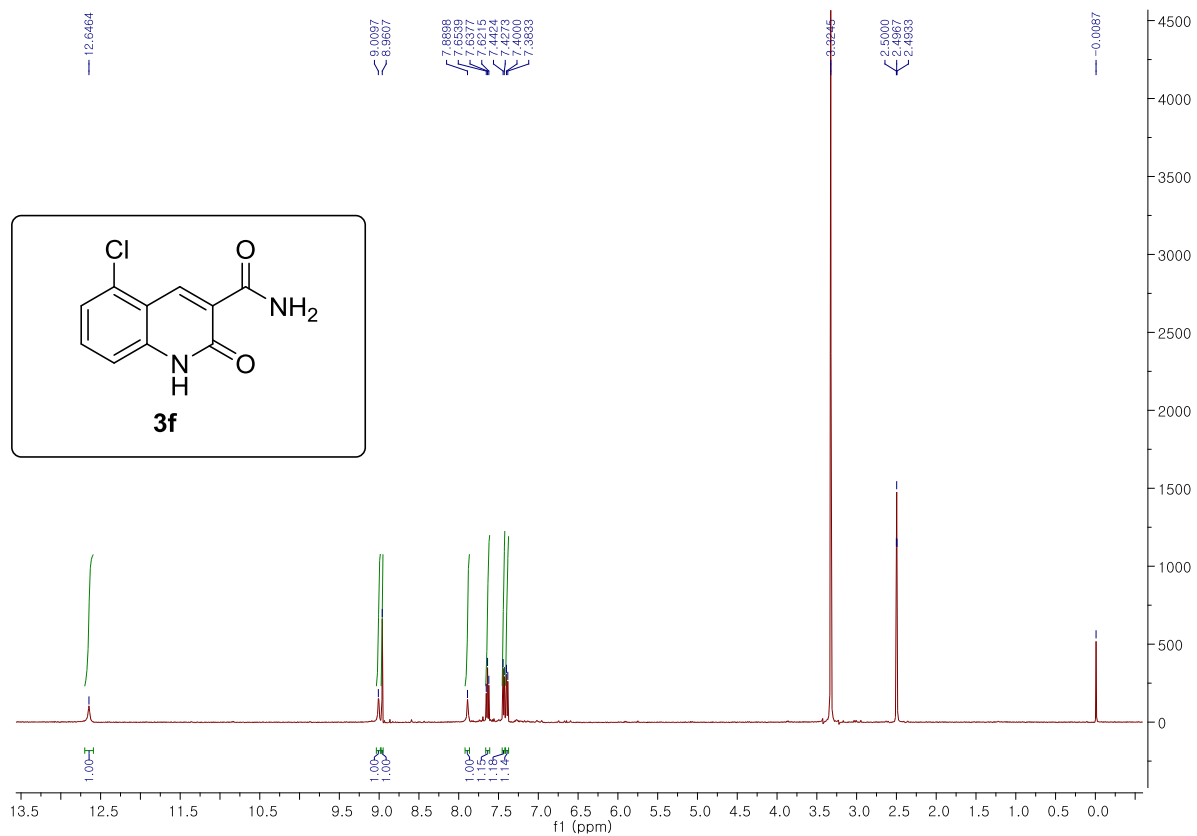


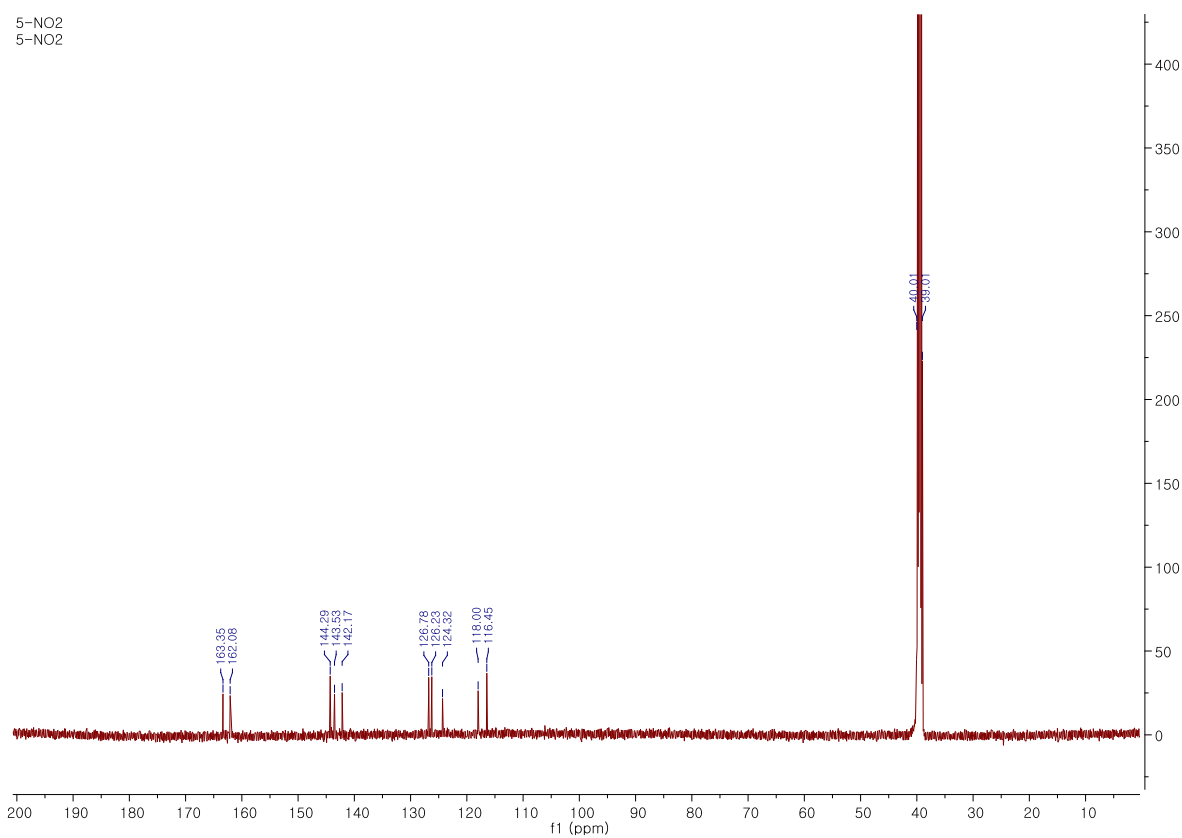
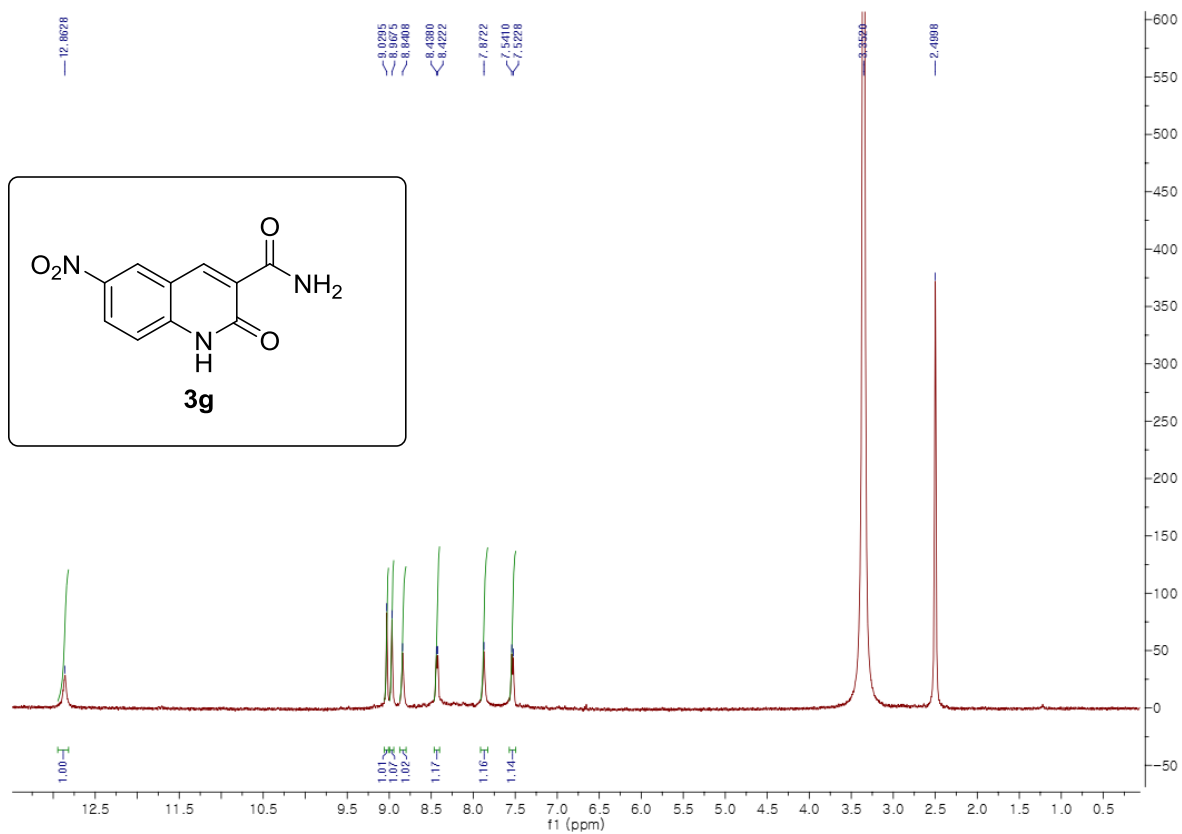


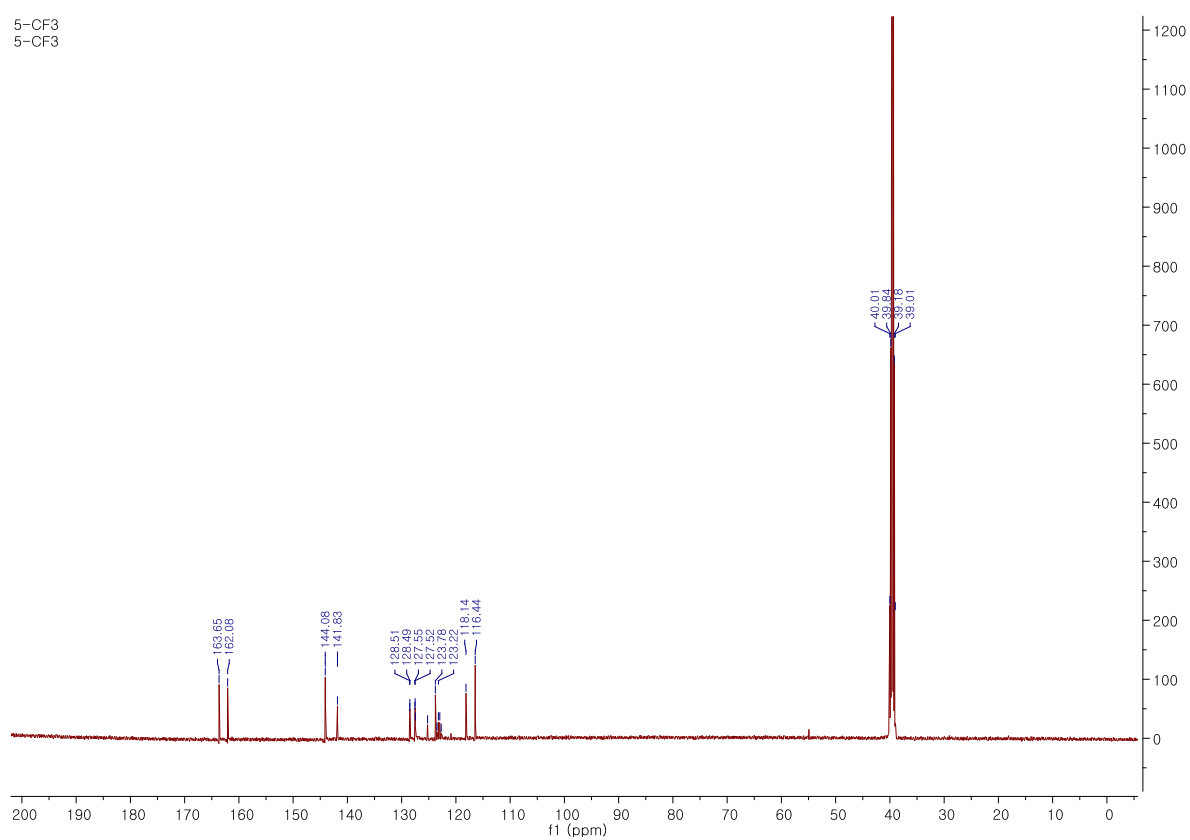
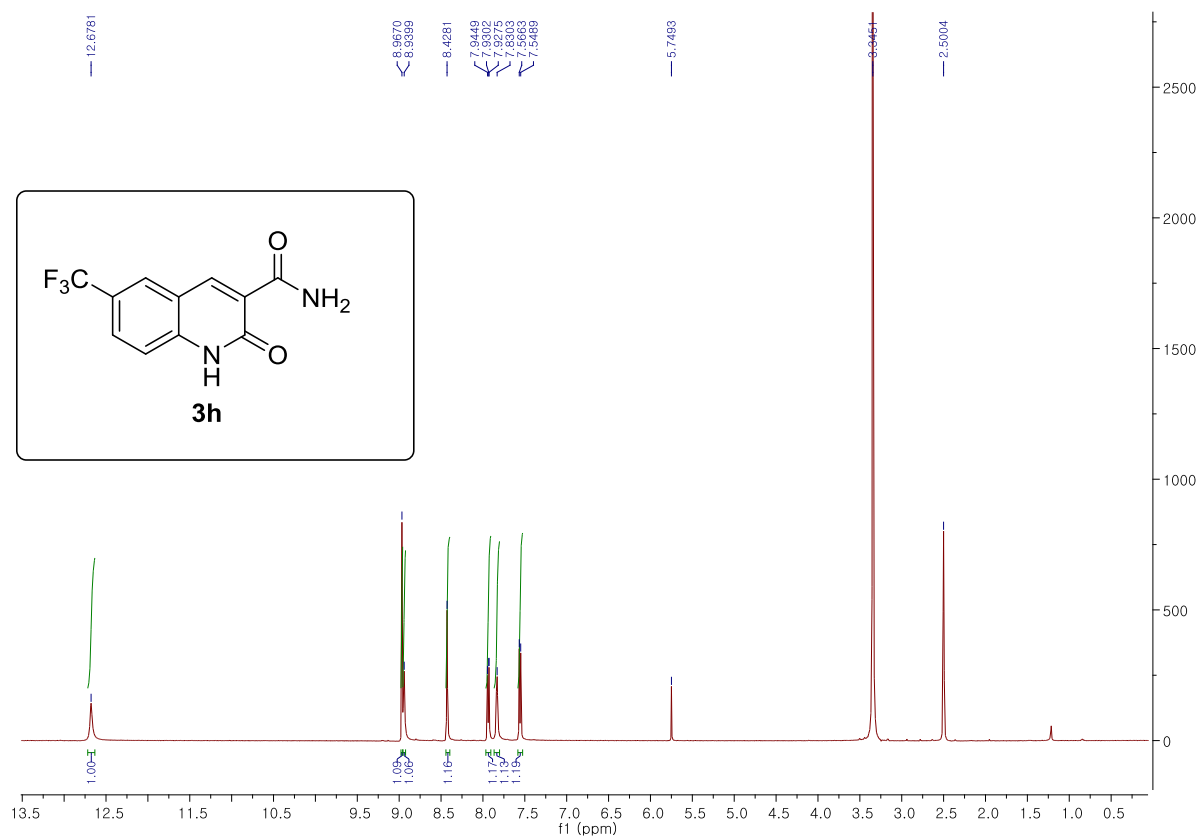


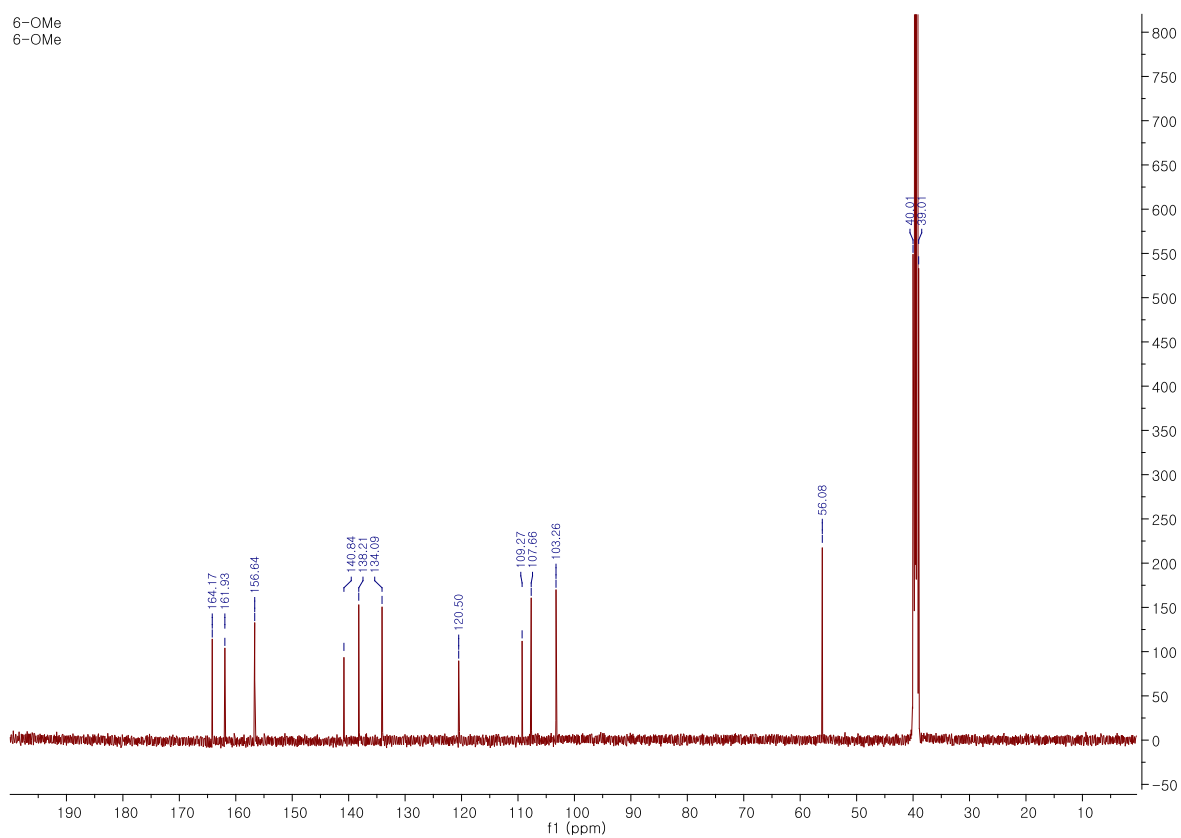
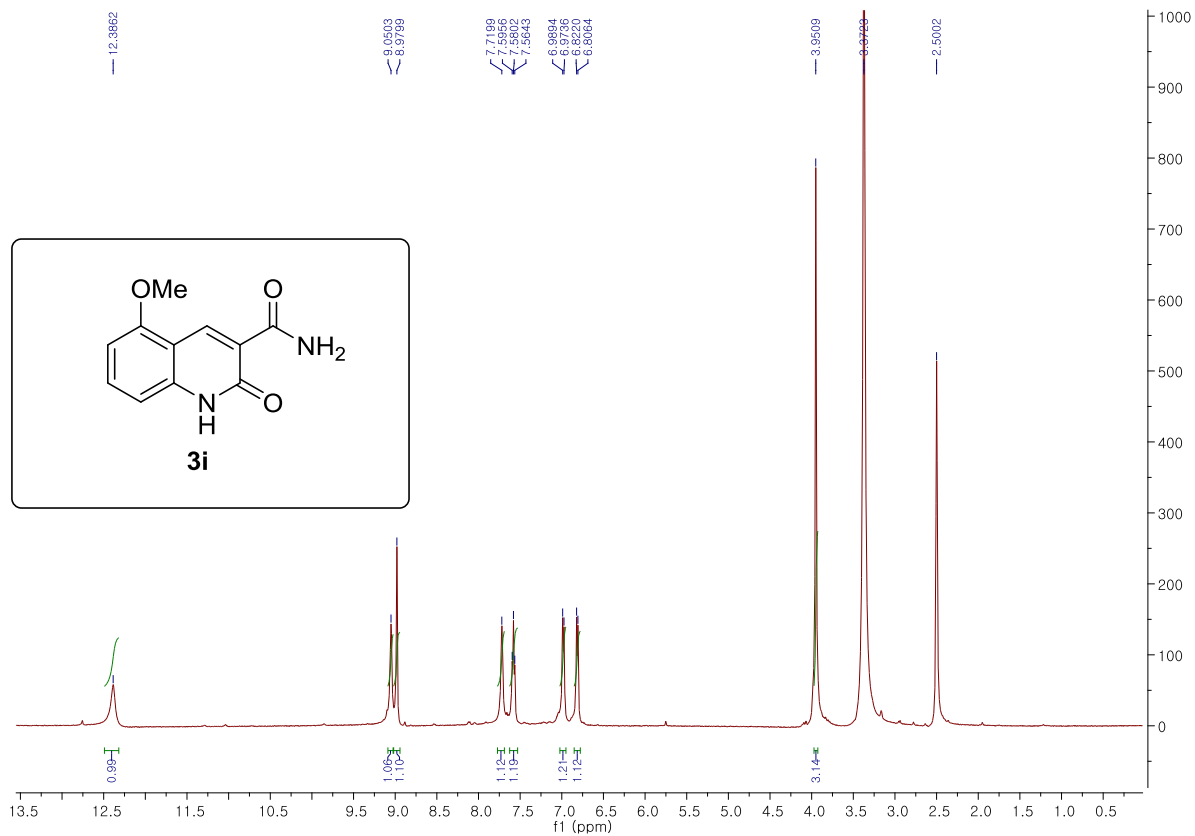


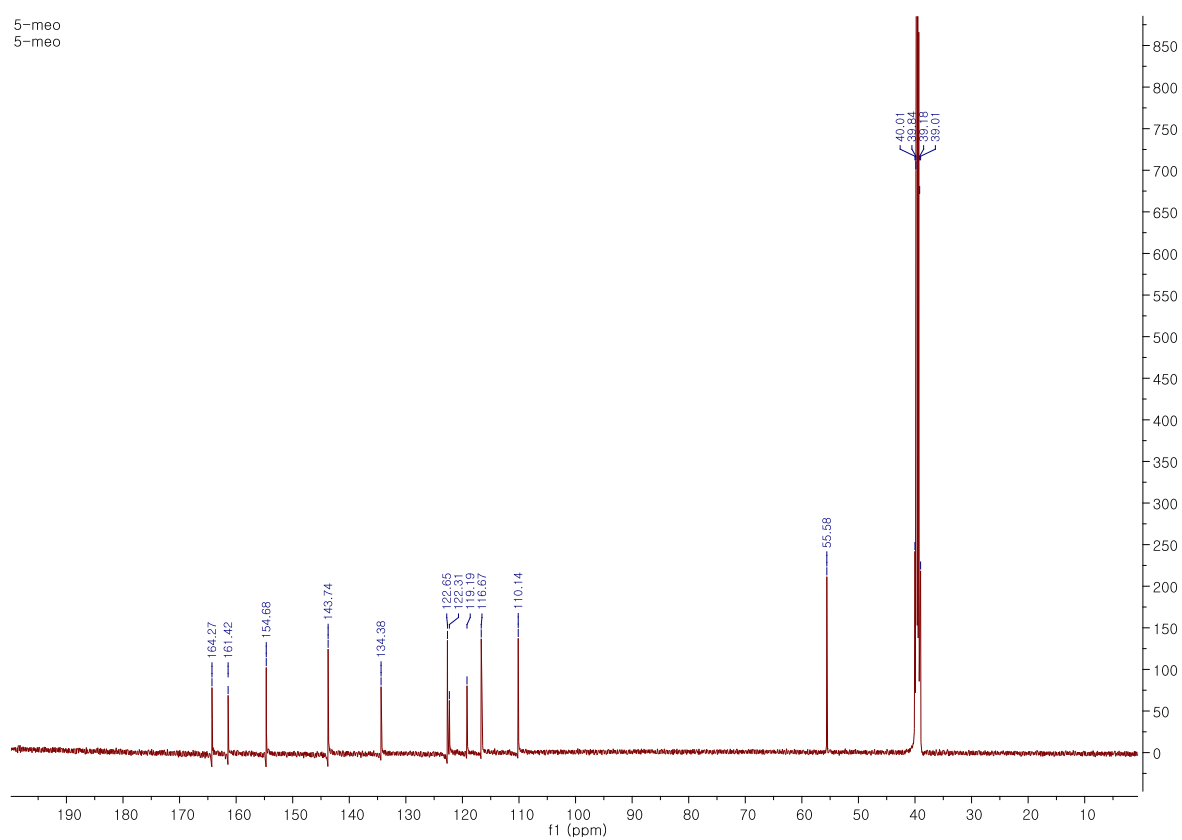
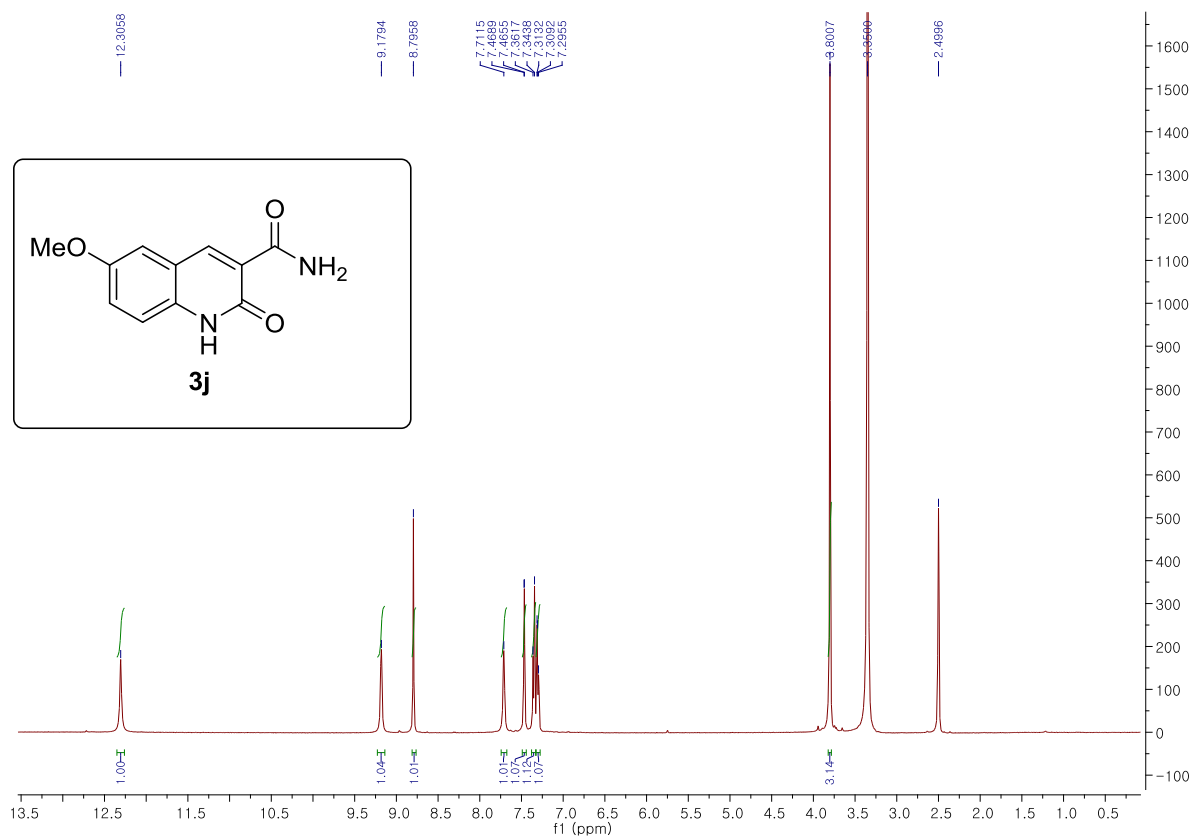


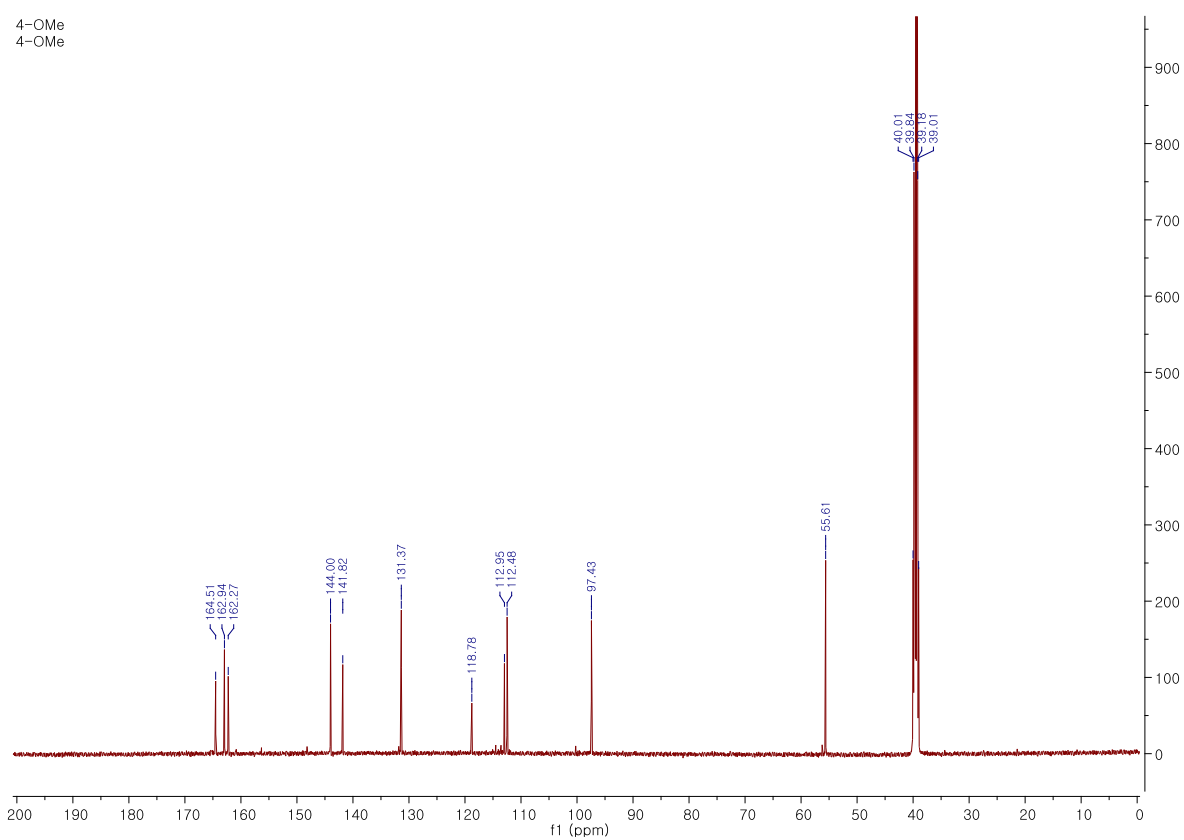
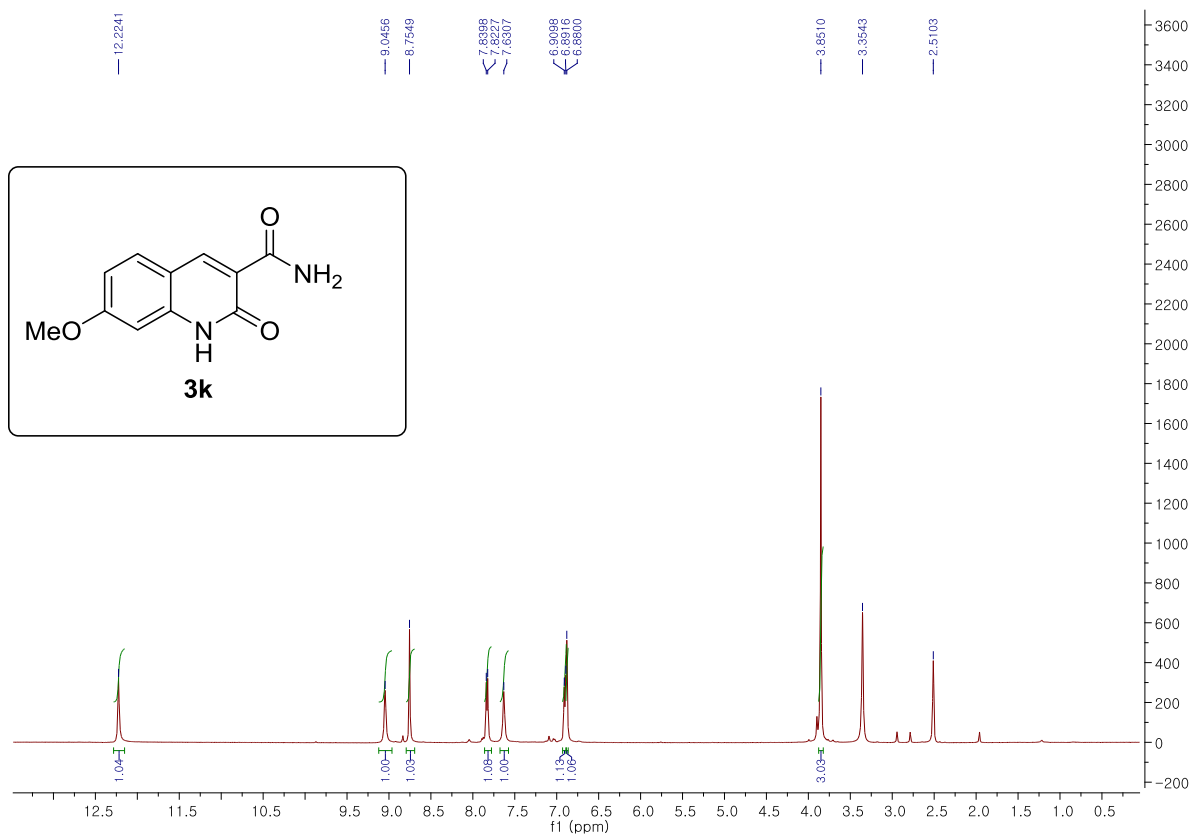


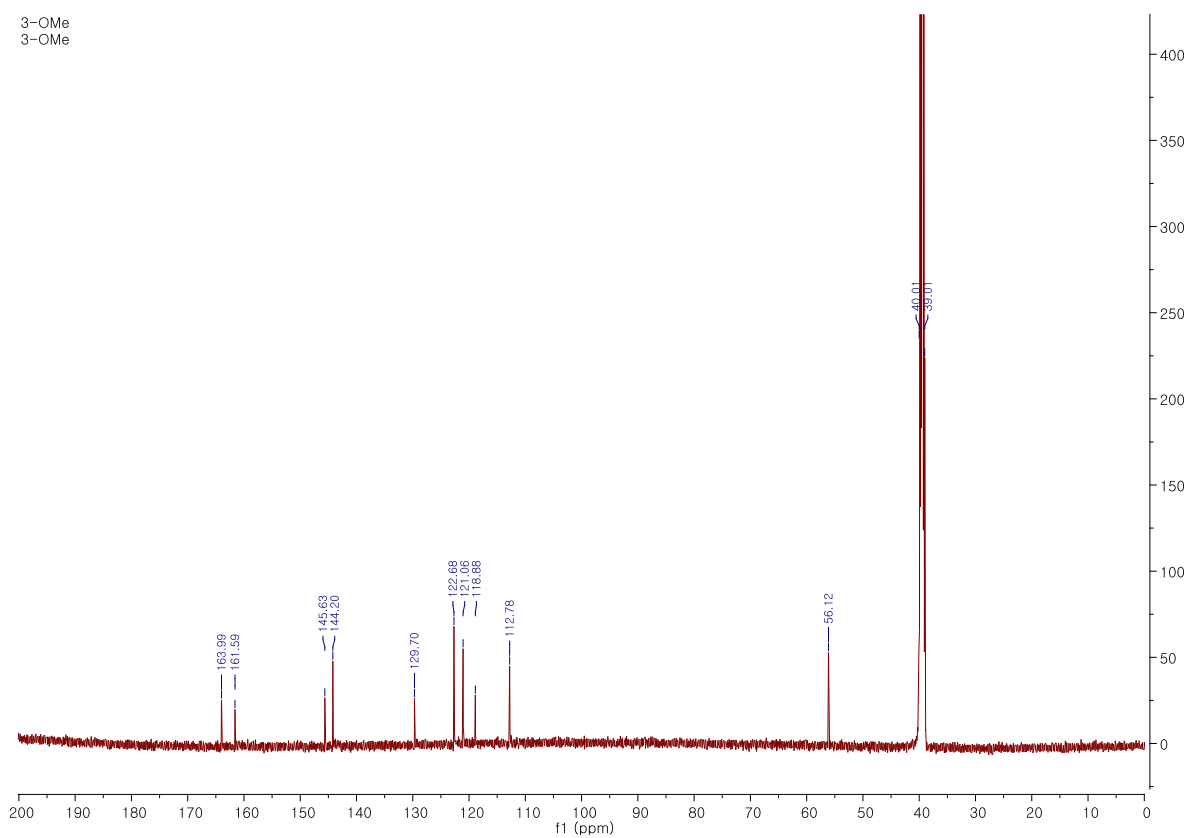
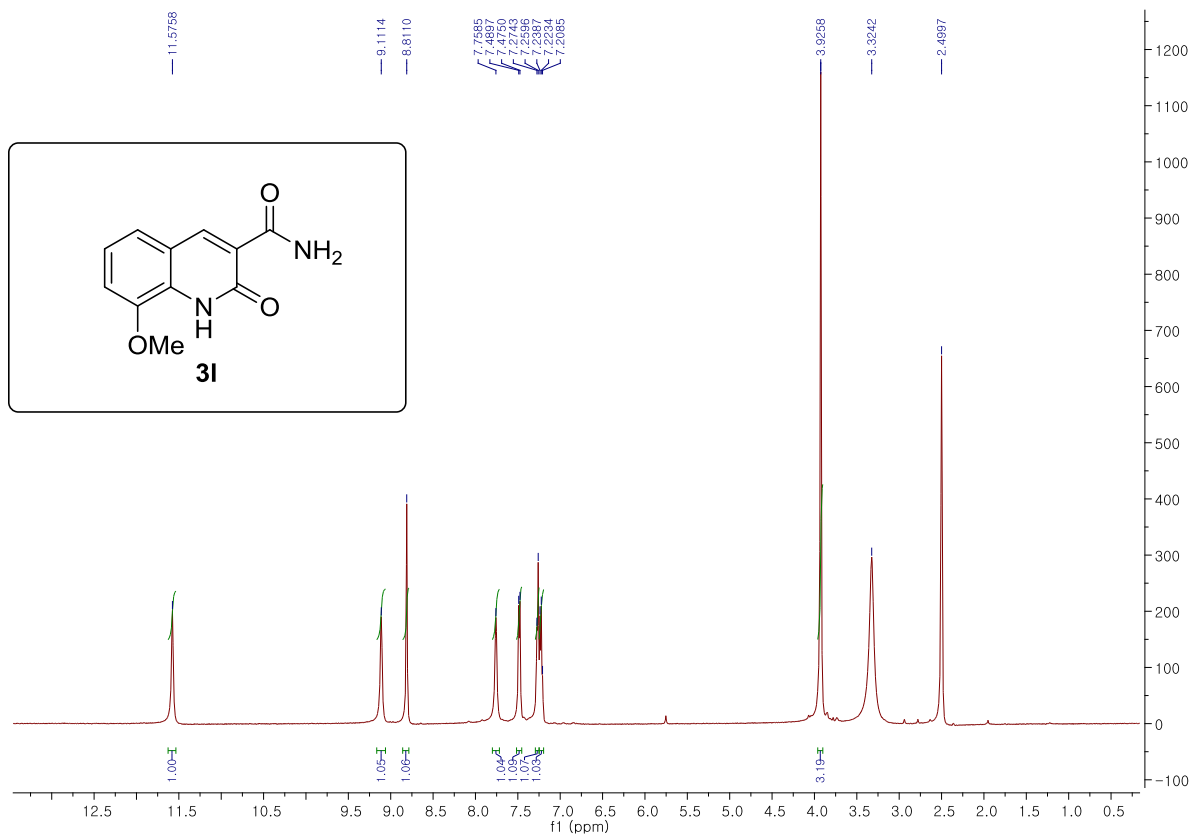


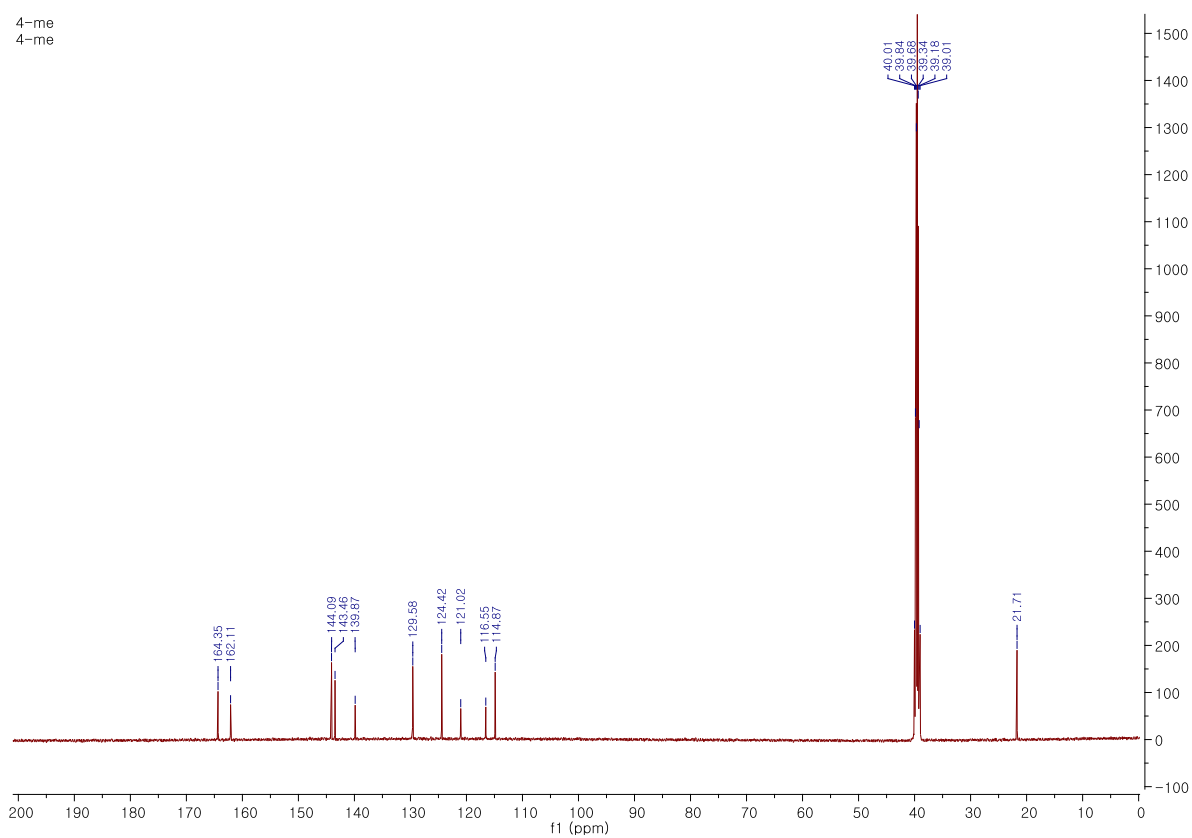
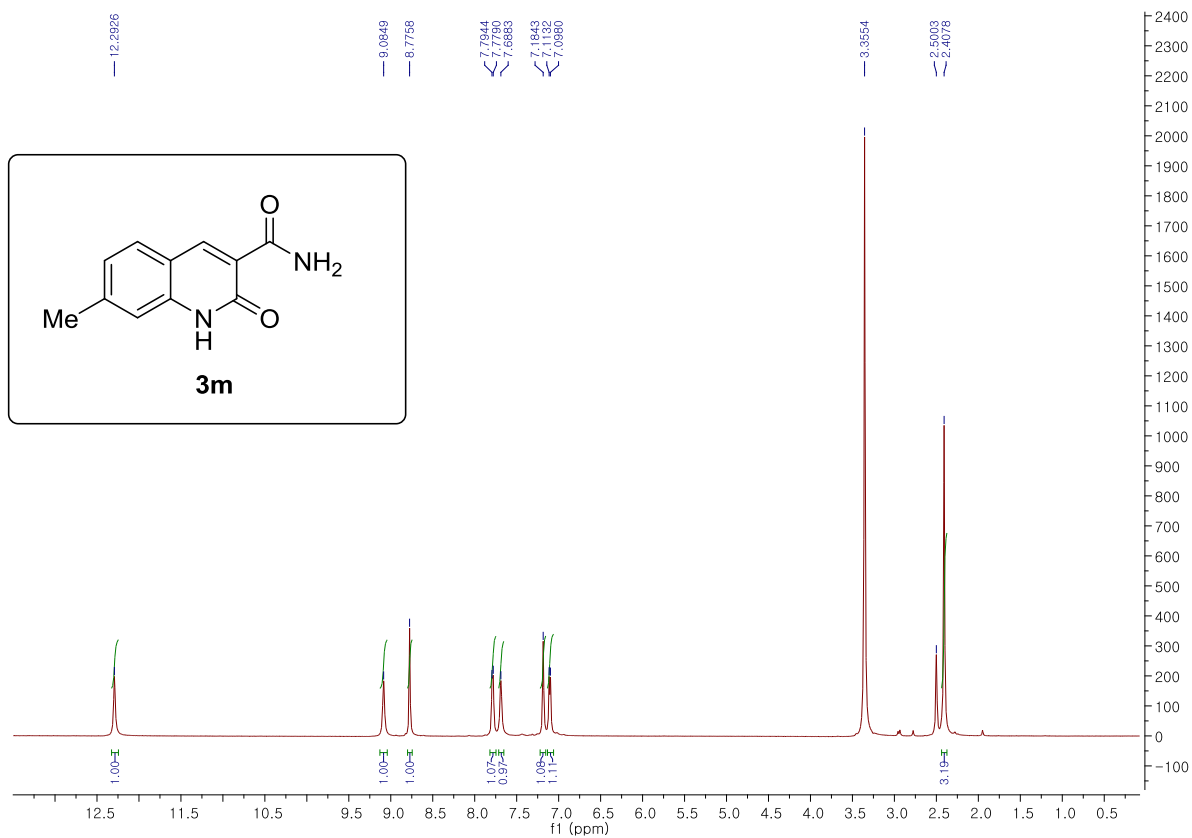


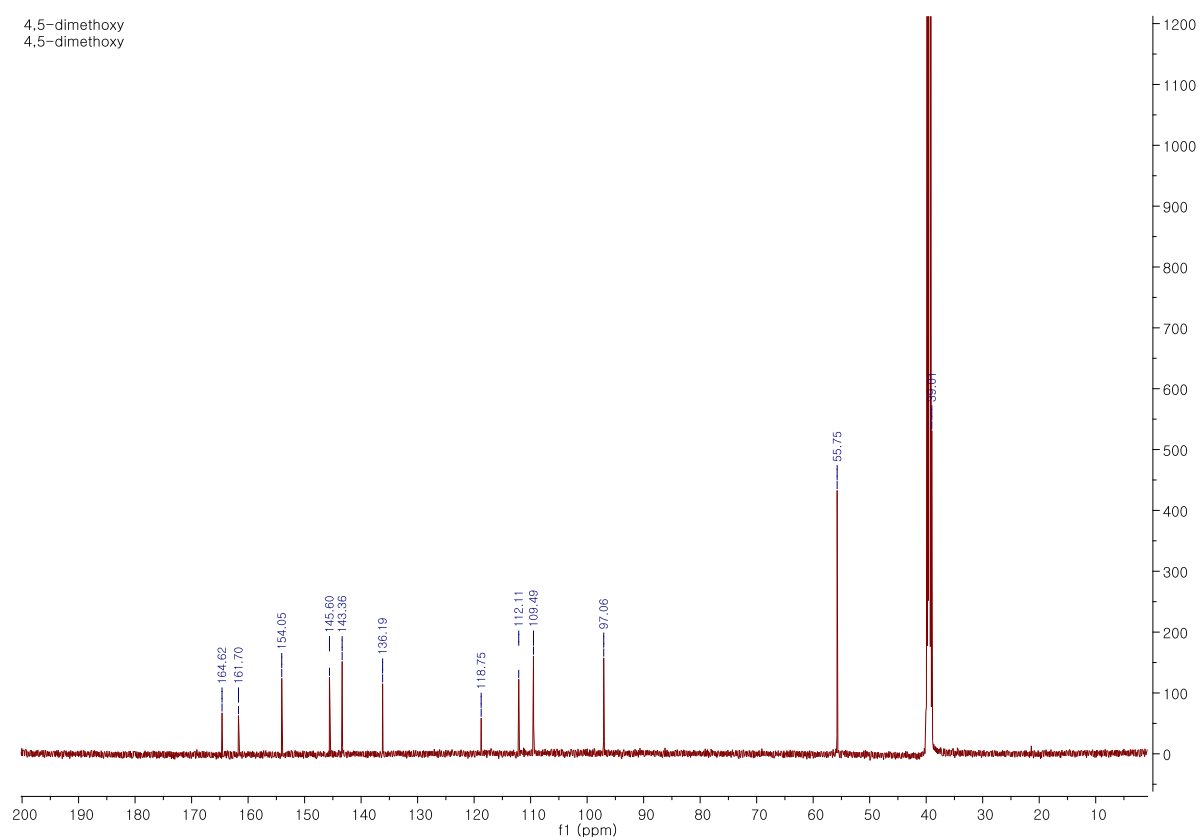
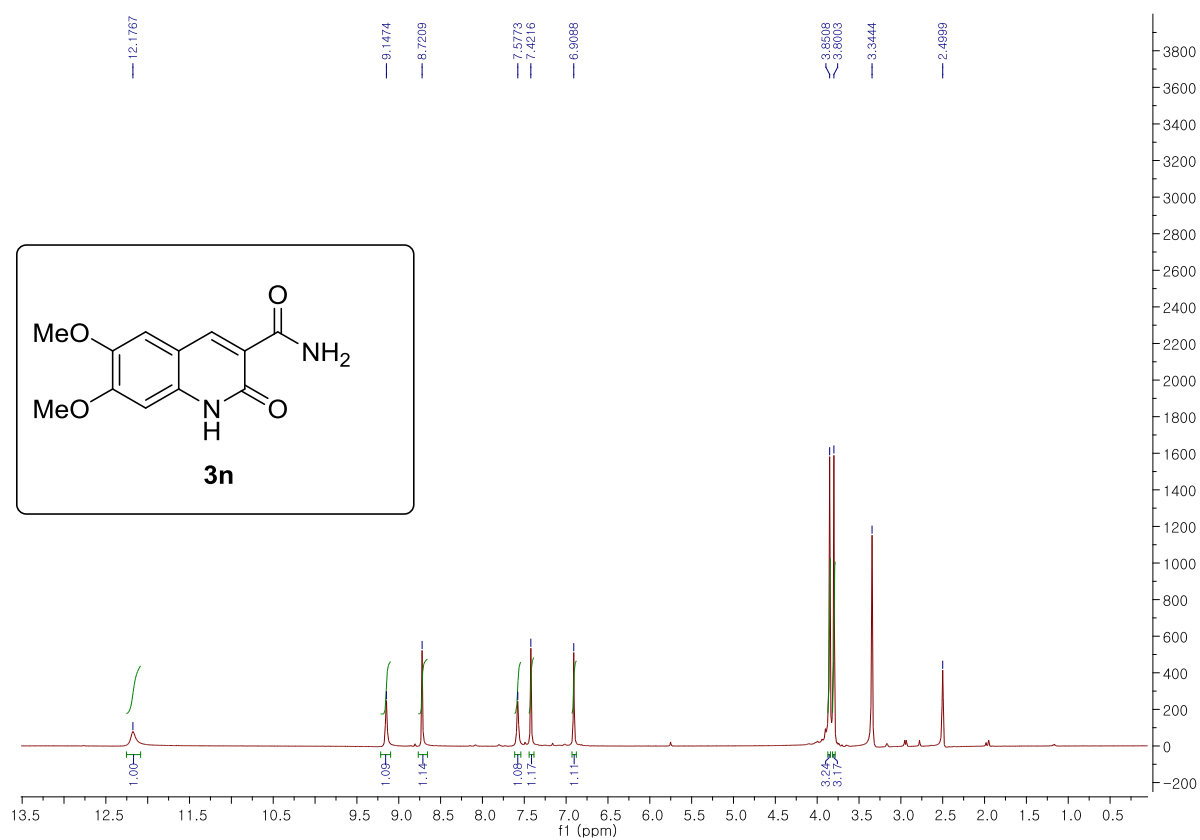


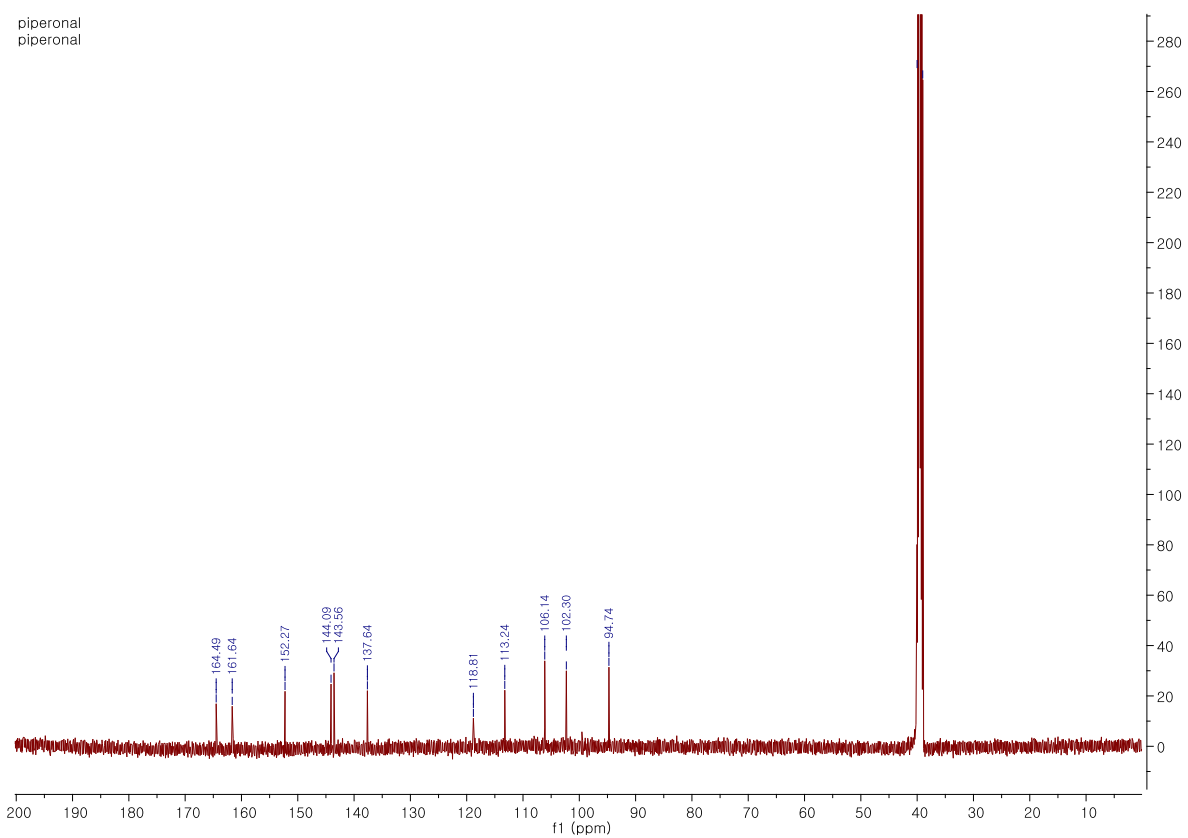
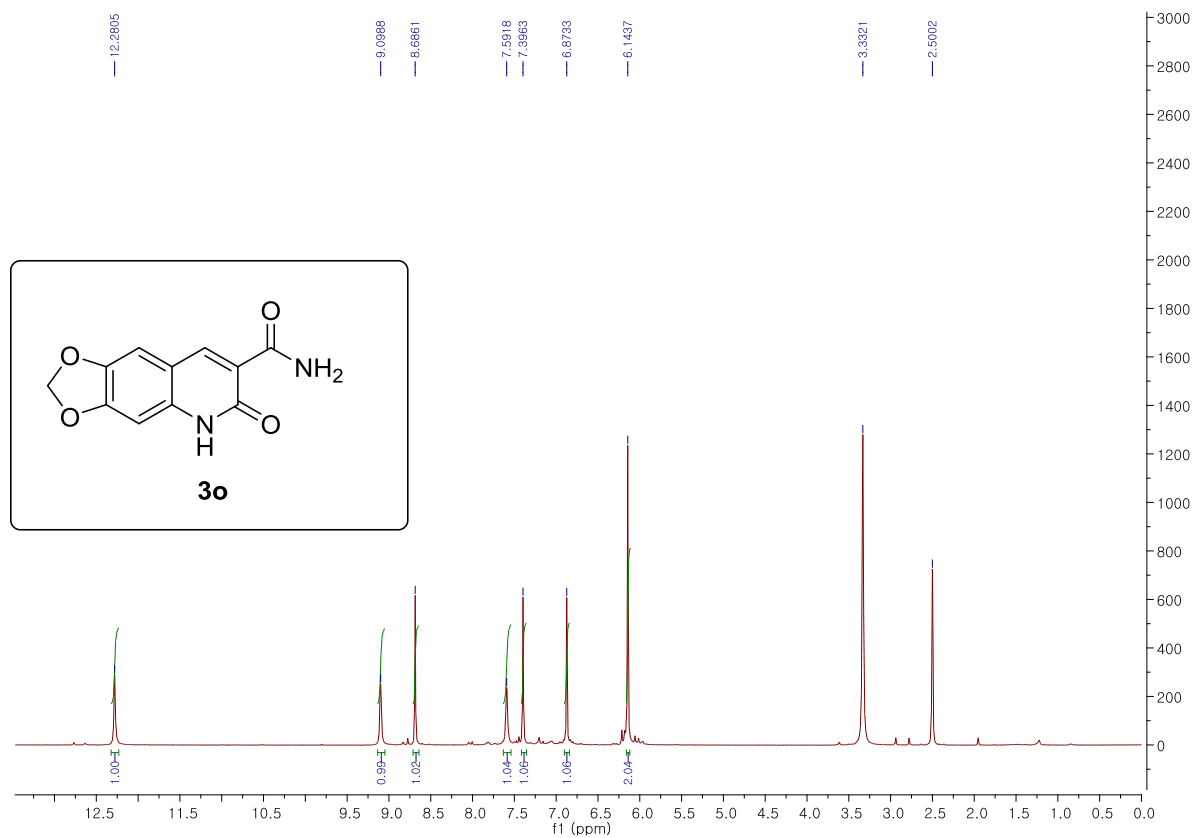


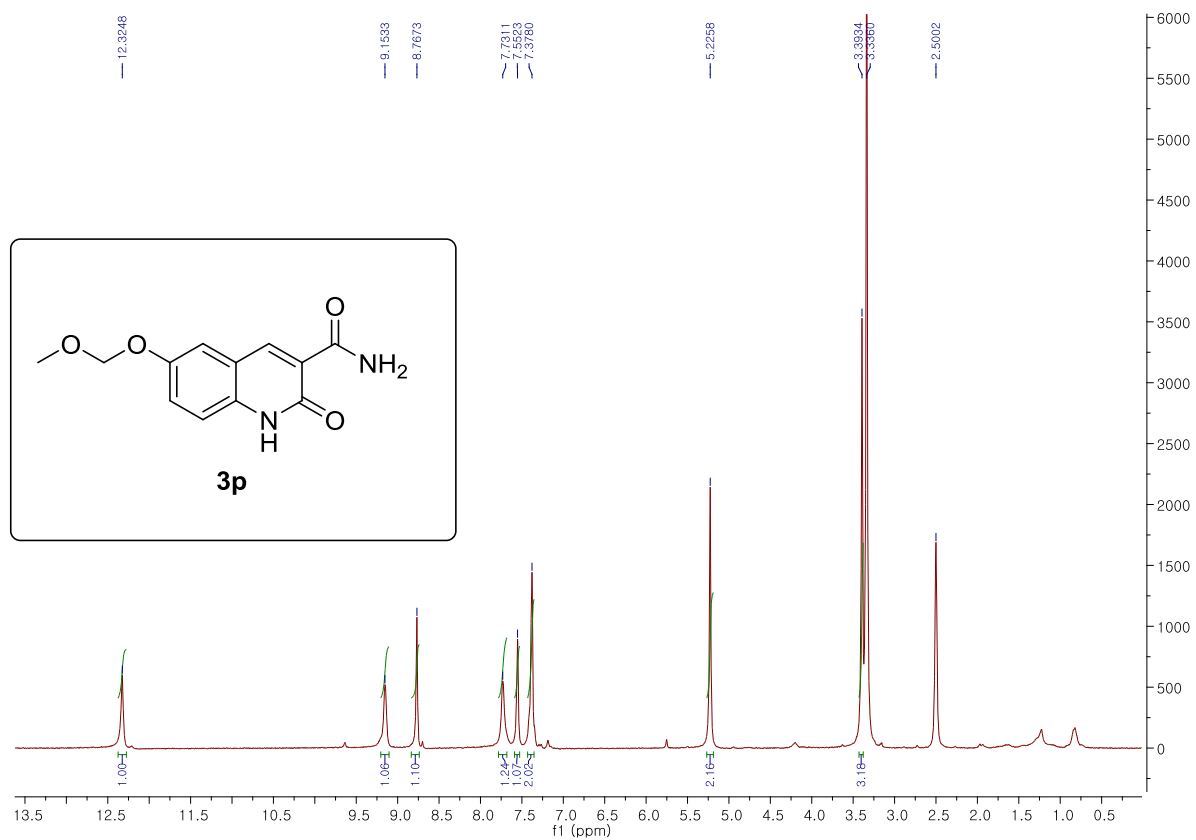




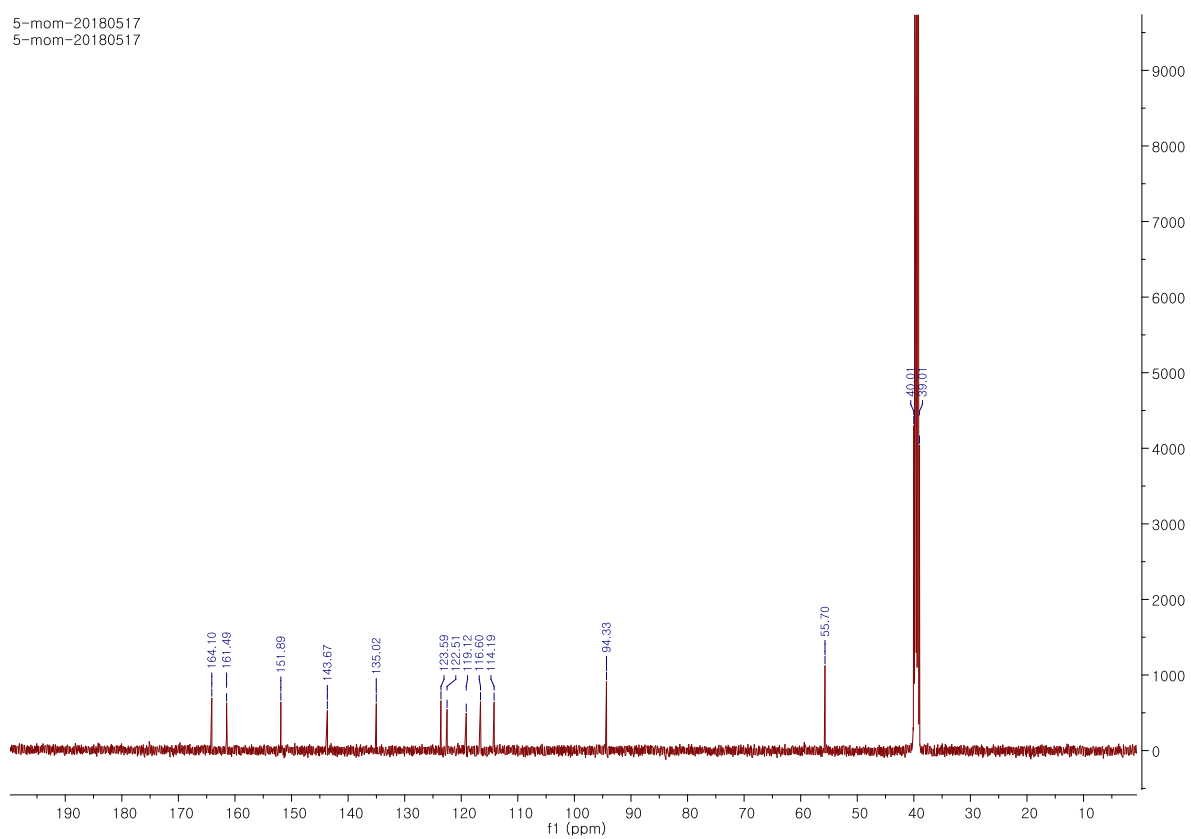


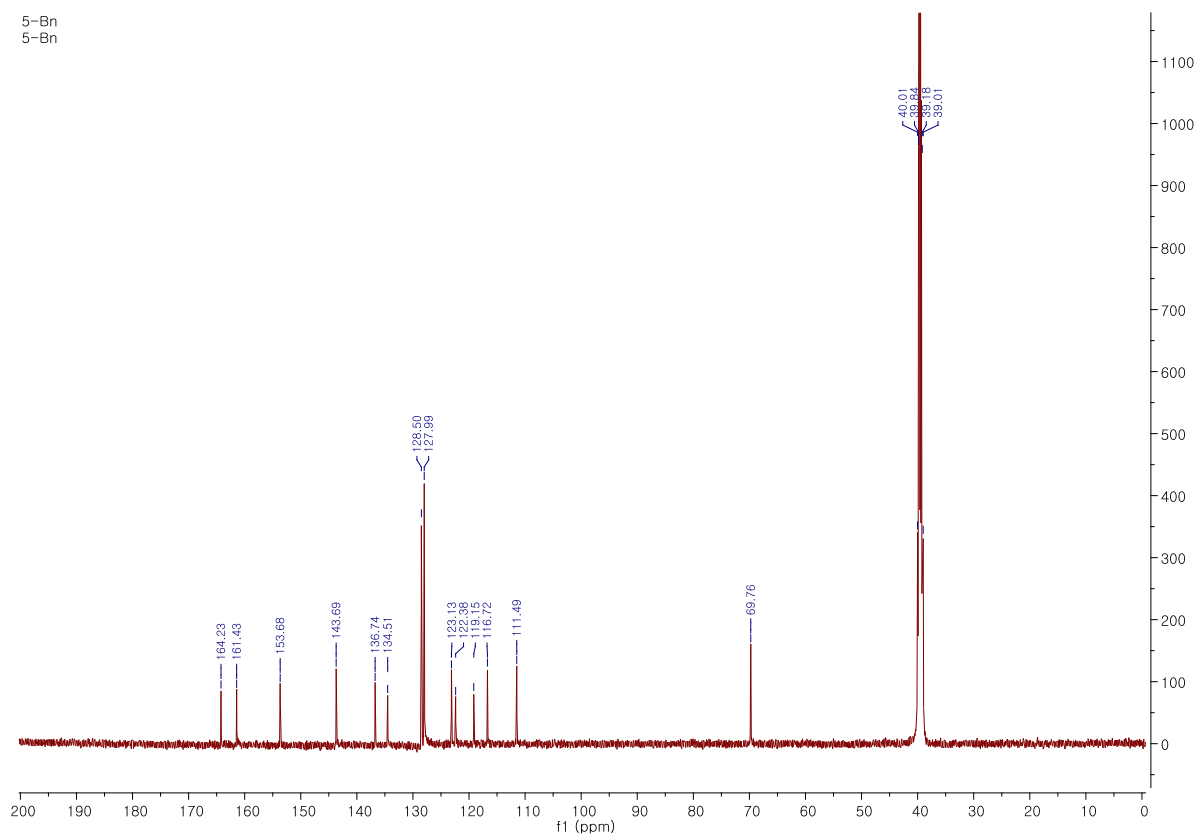
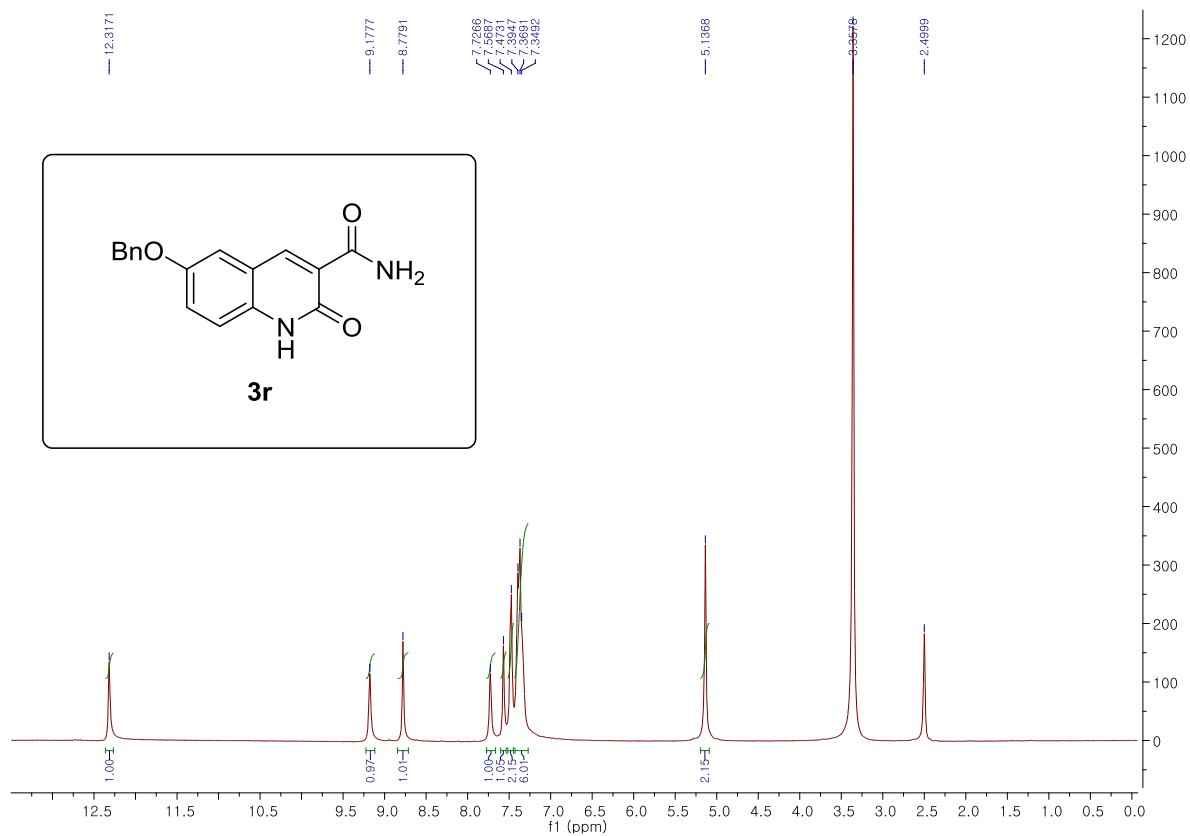


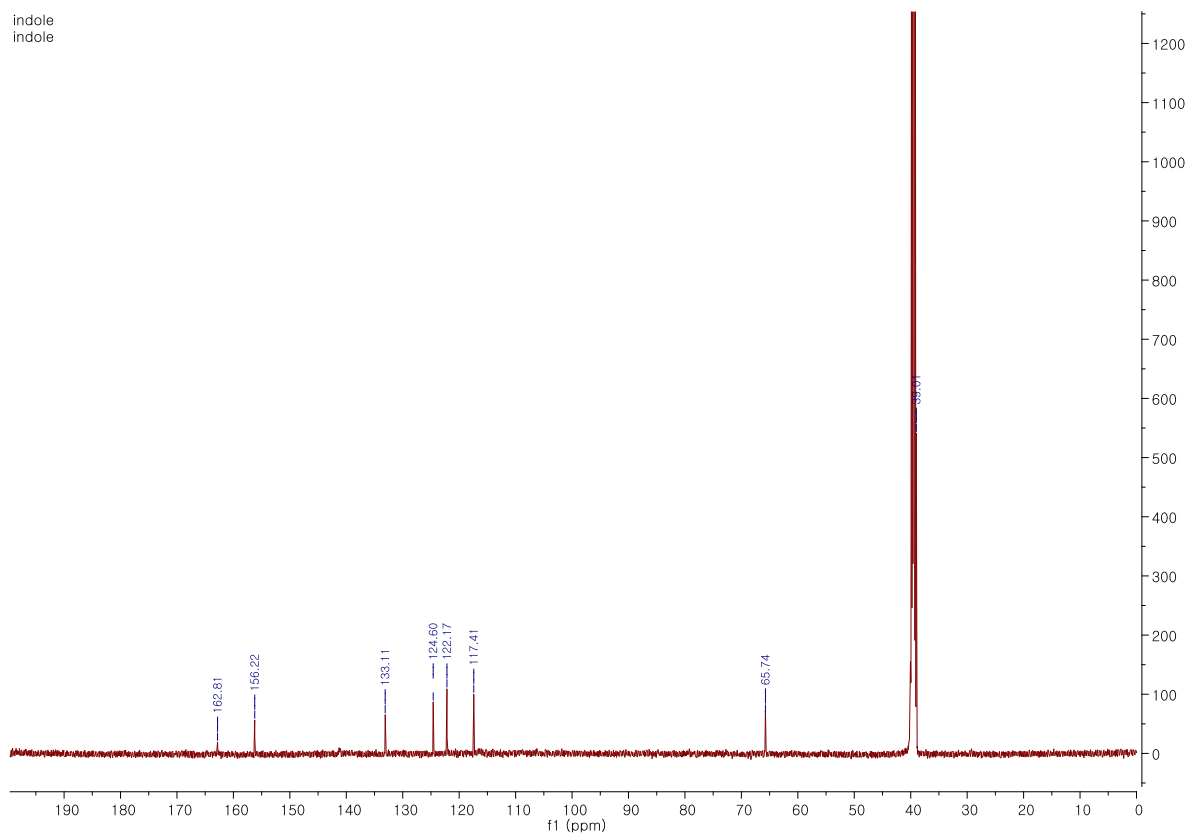
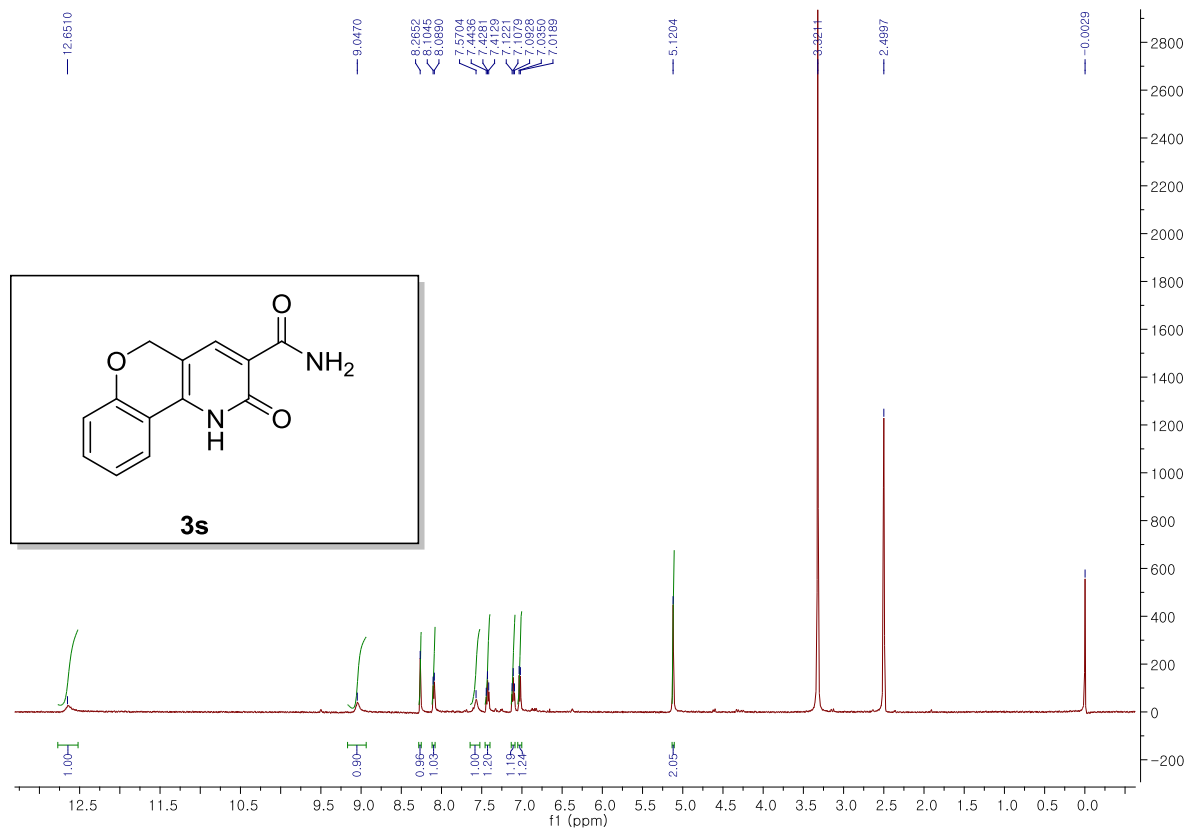


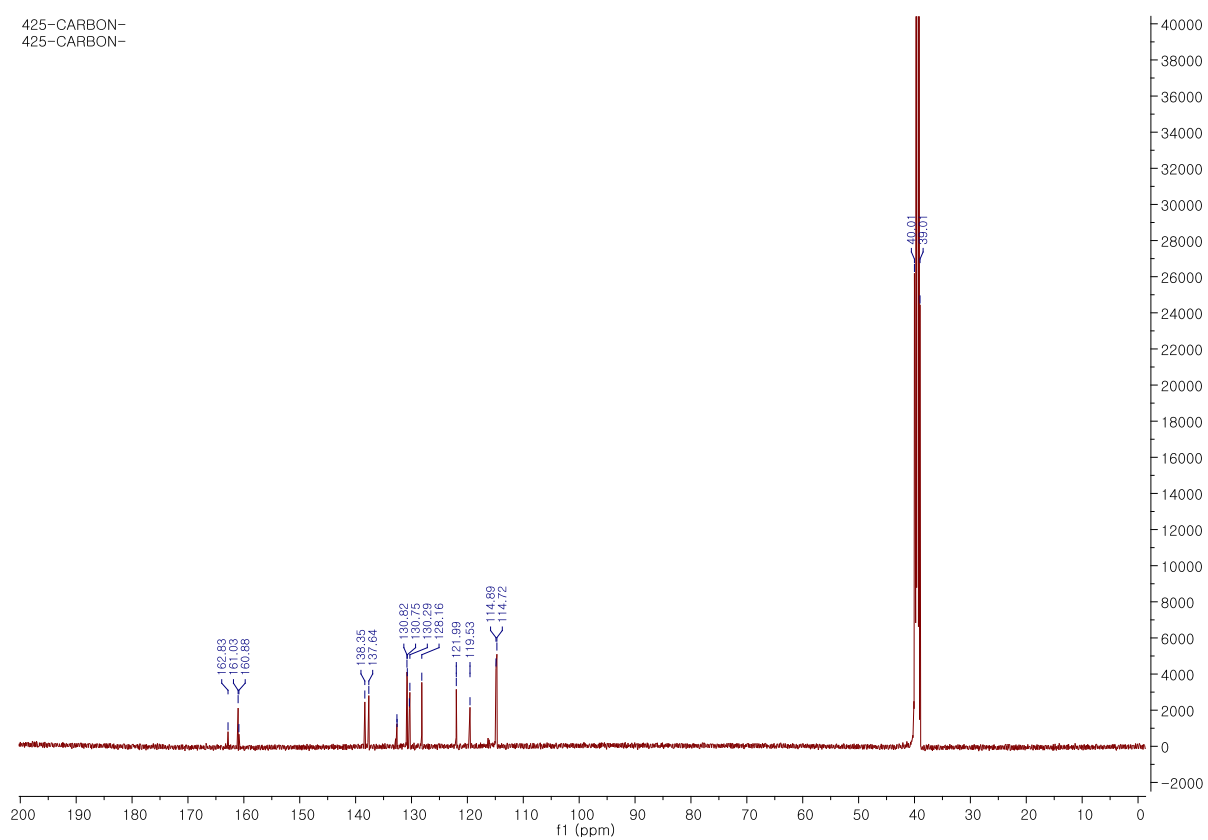
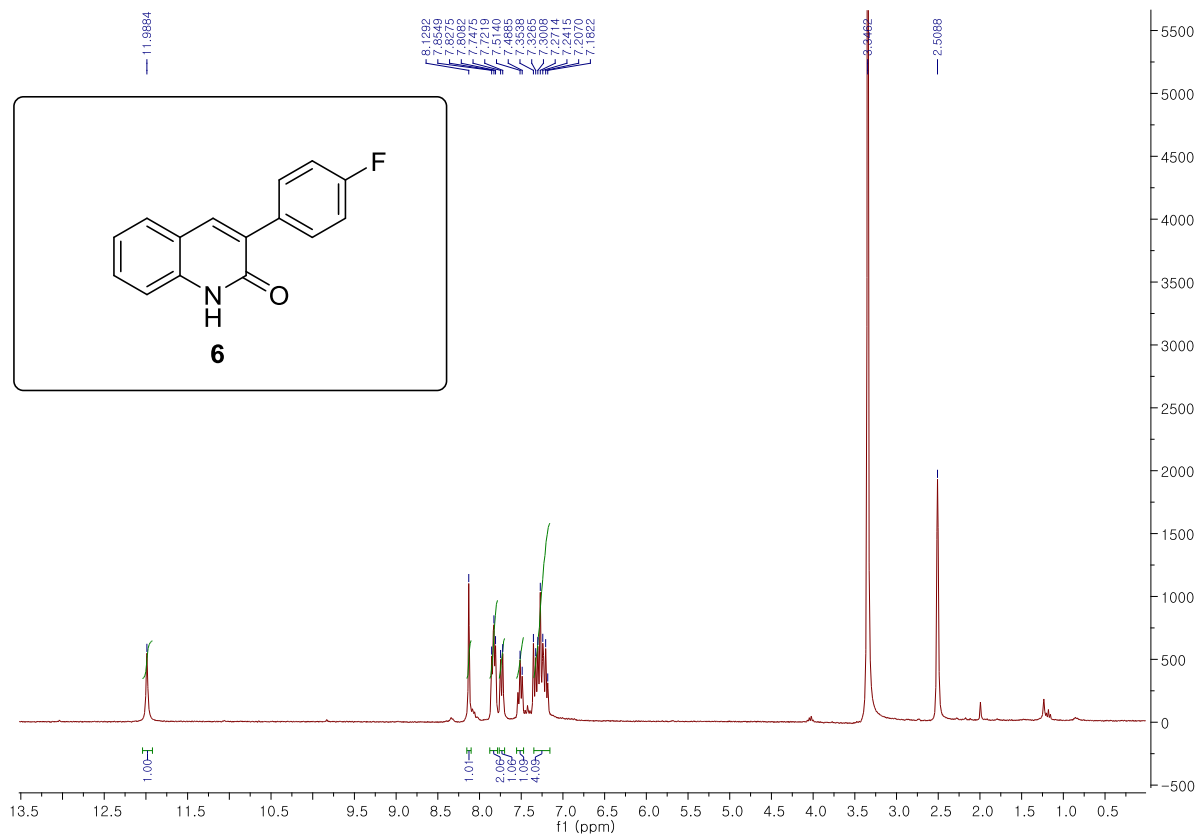


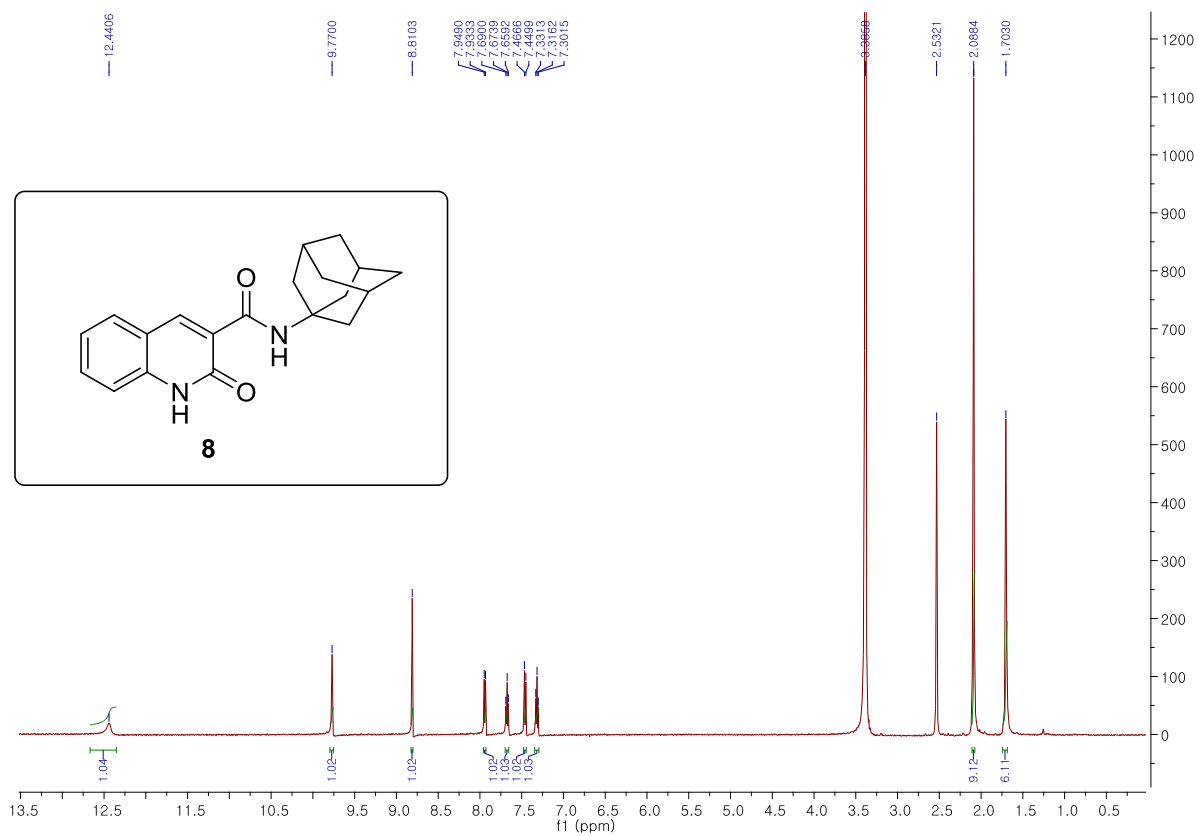
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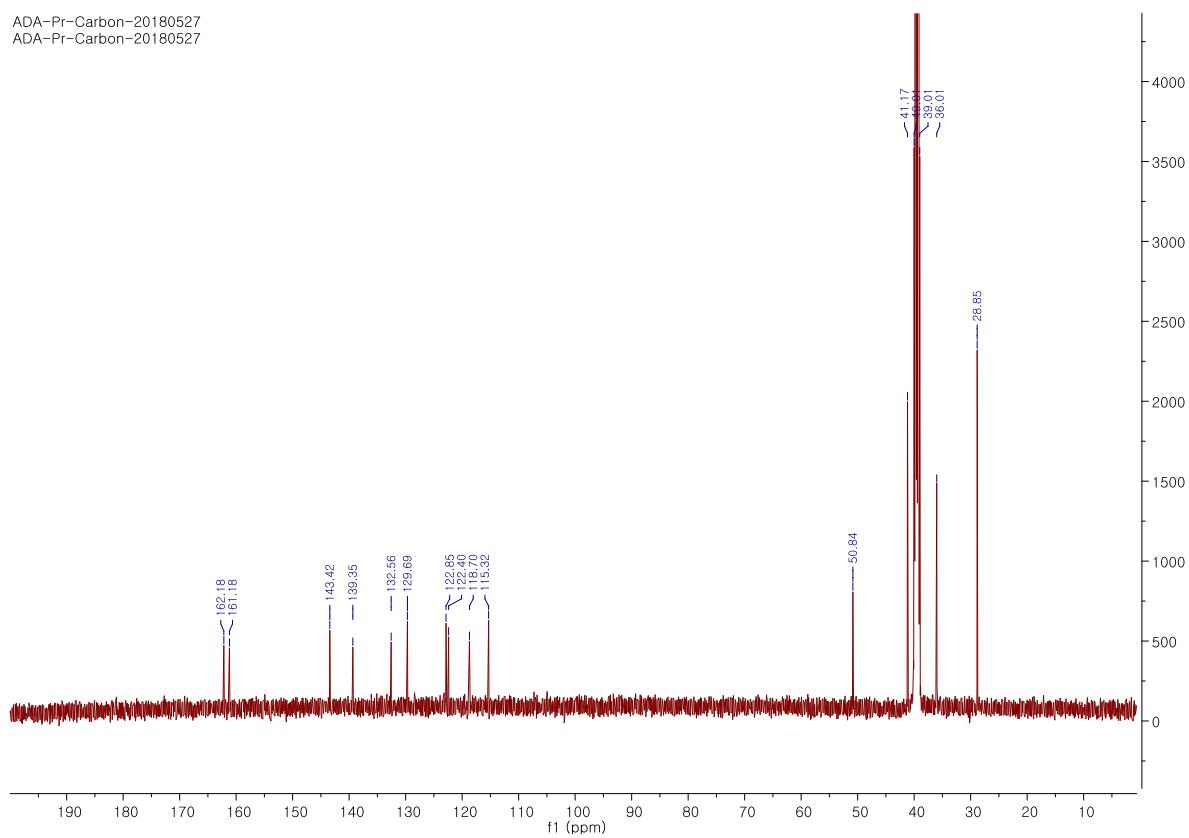


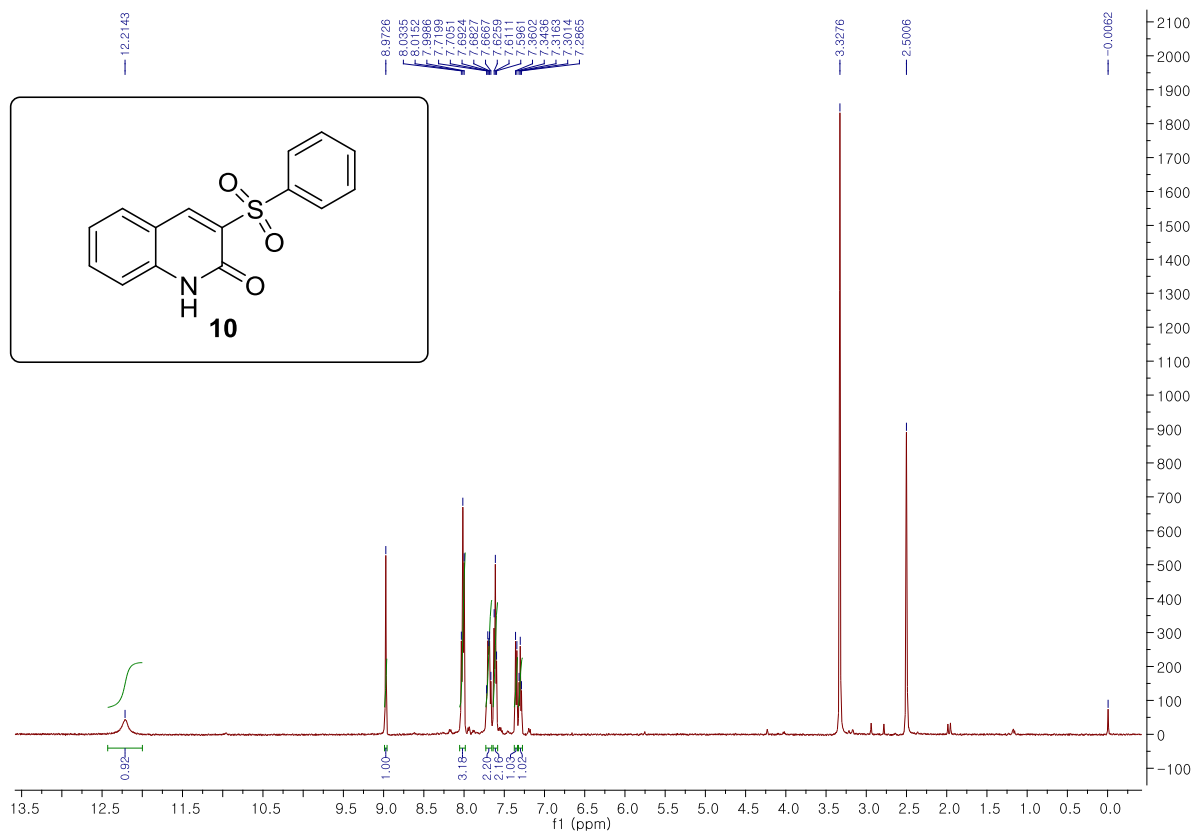




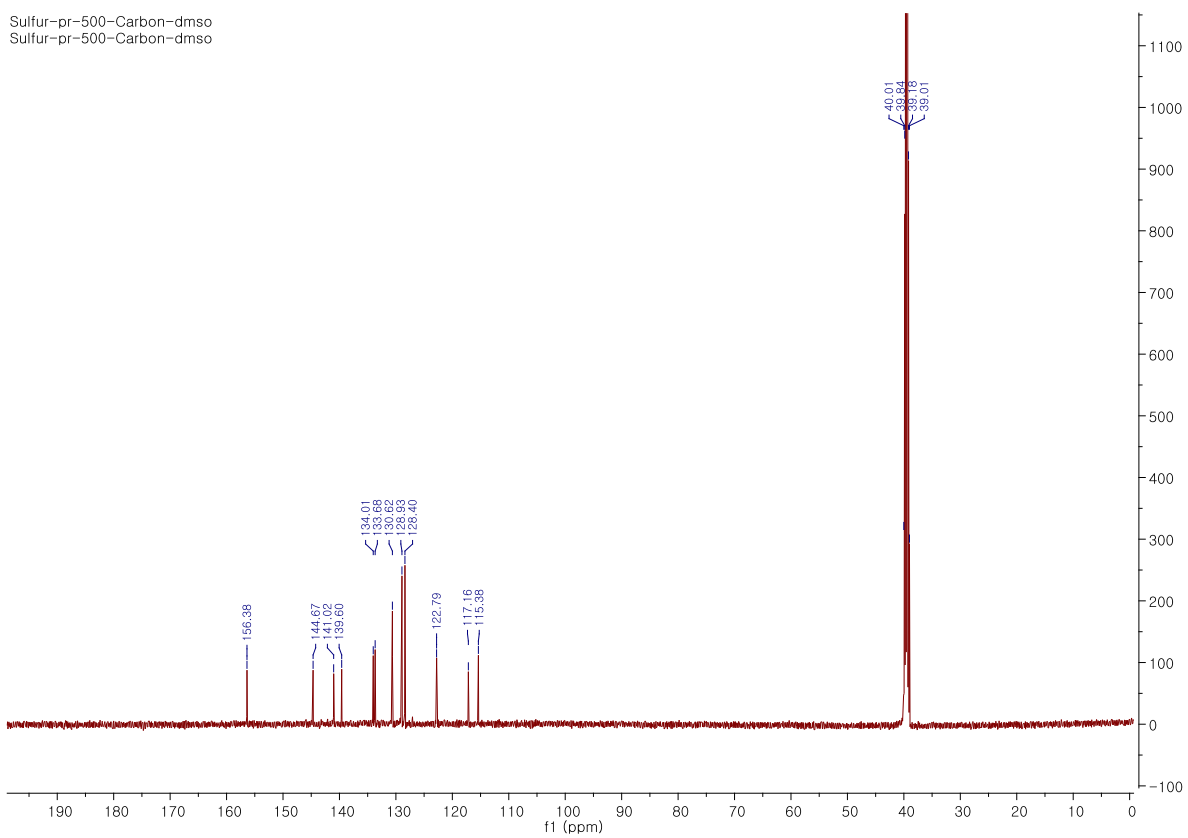


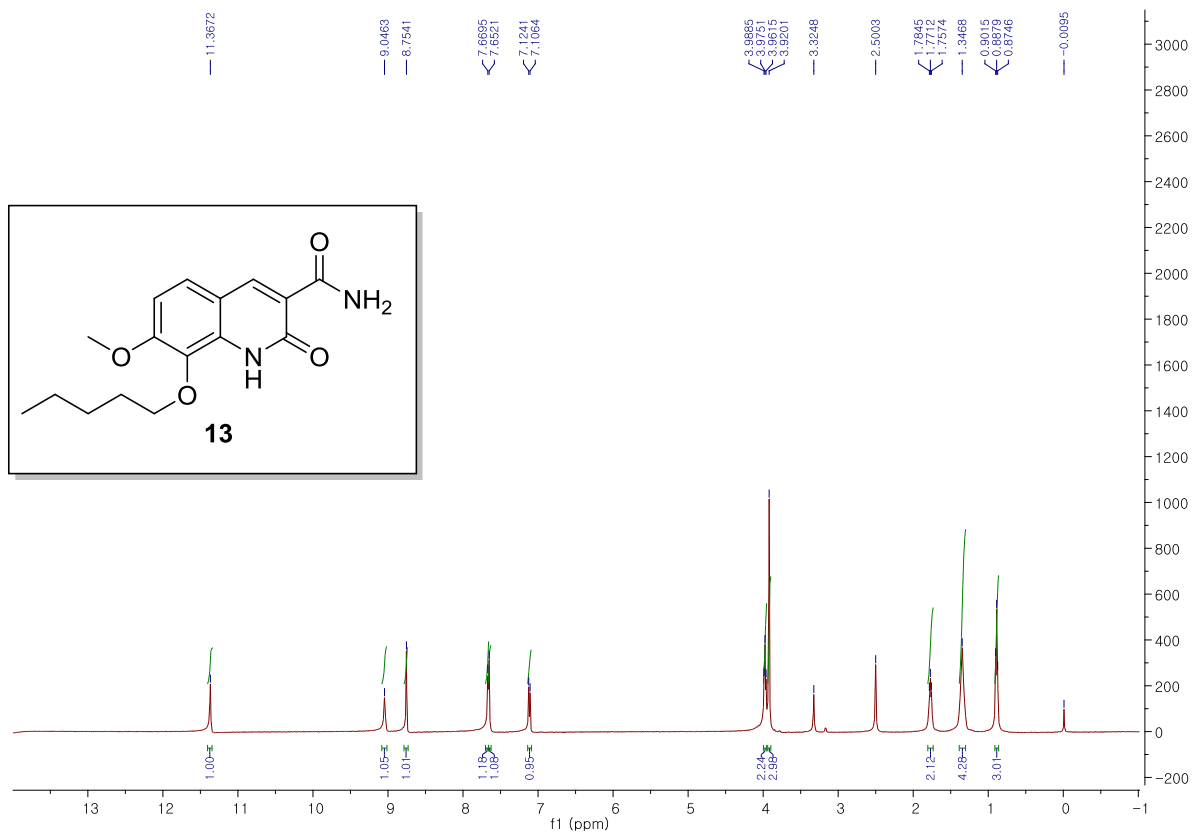
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