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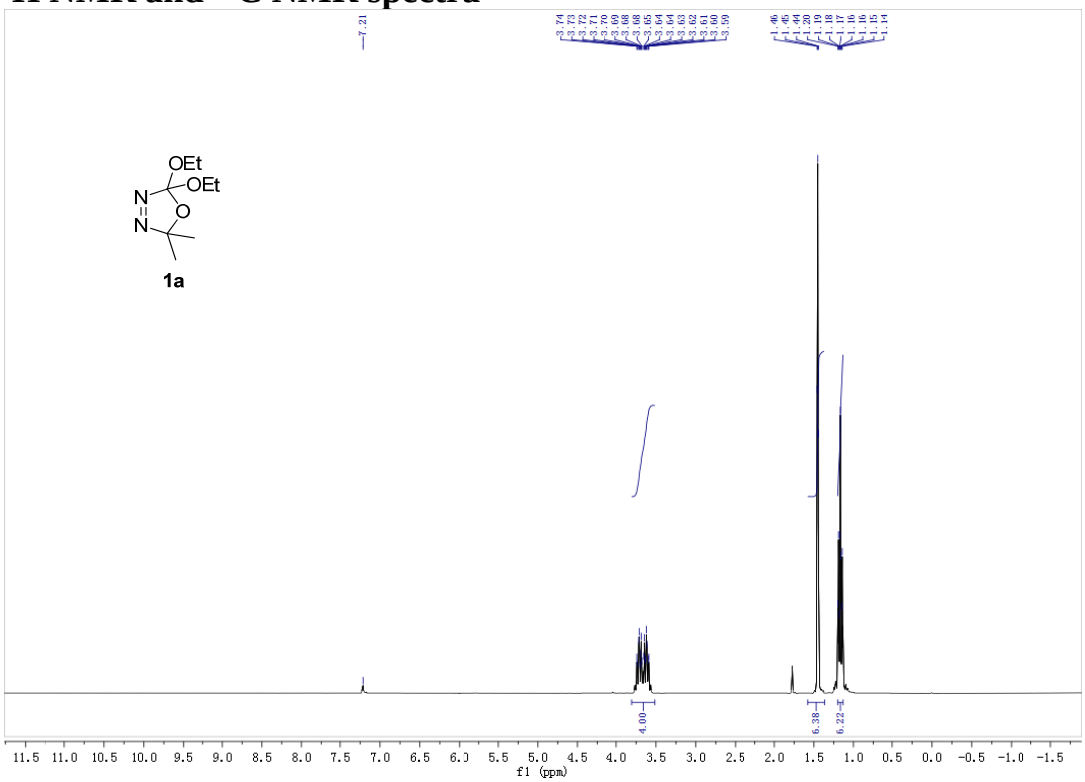
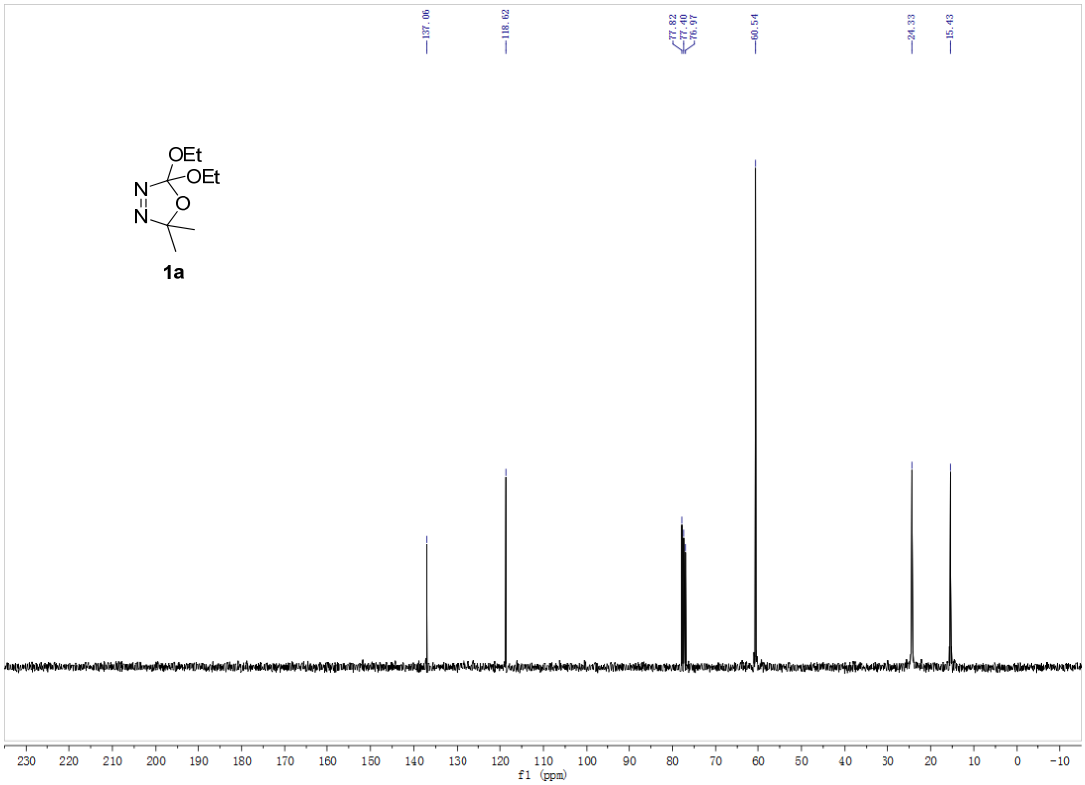
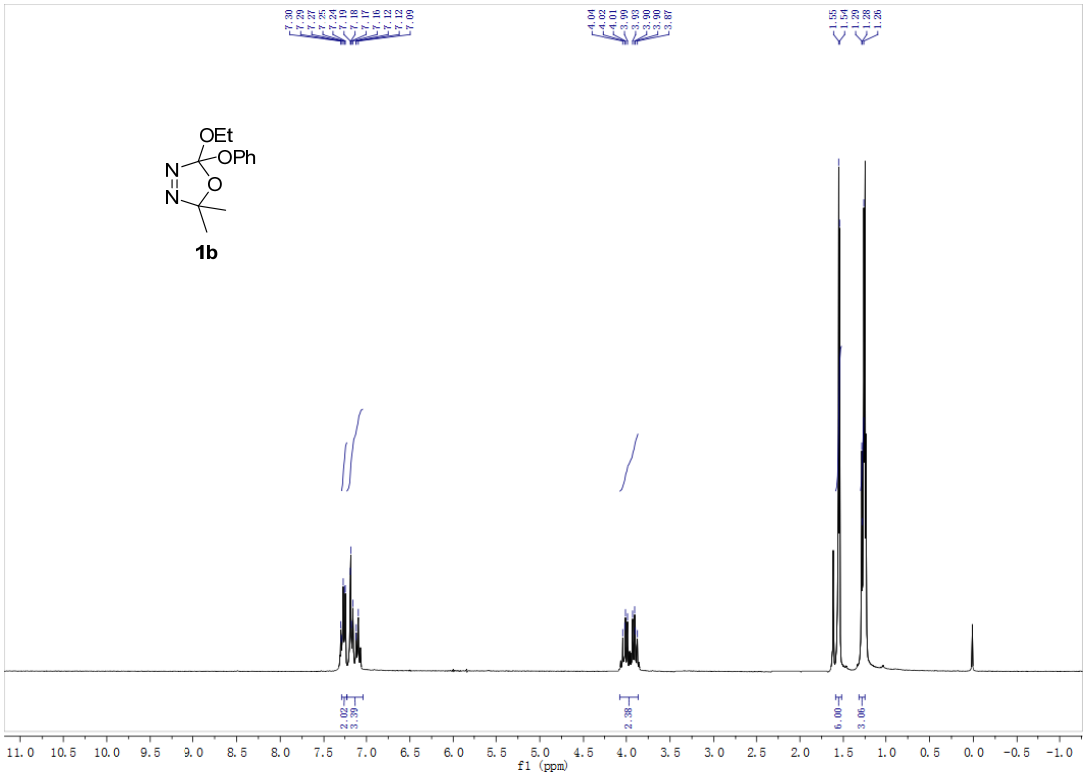
^{1}H NMR and ^{13}C NMR spectra



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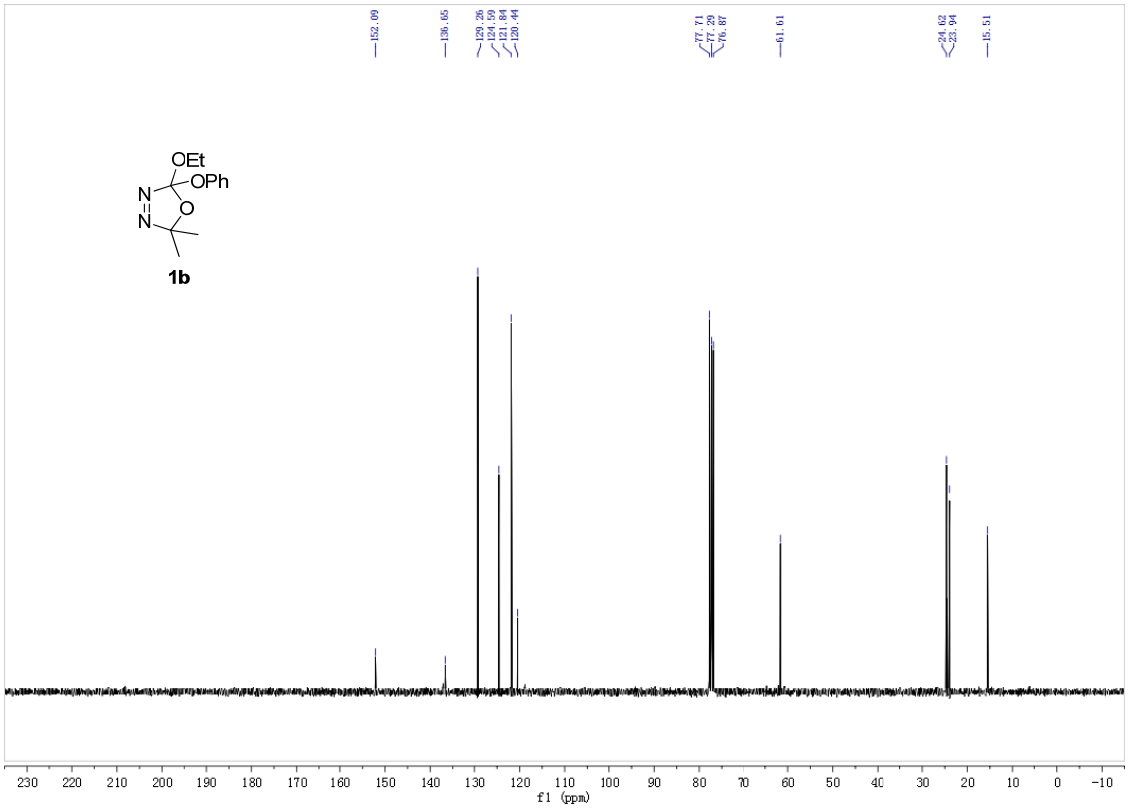
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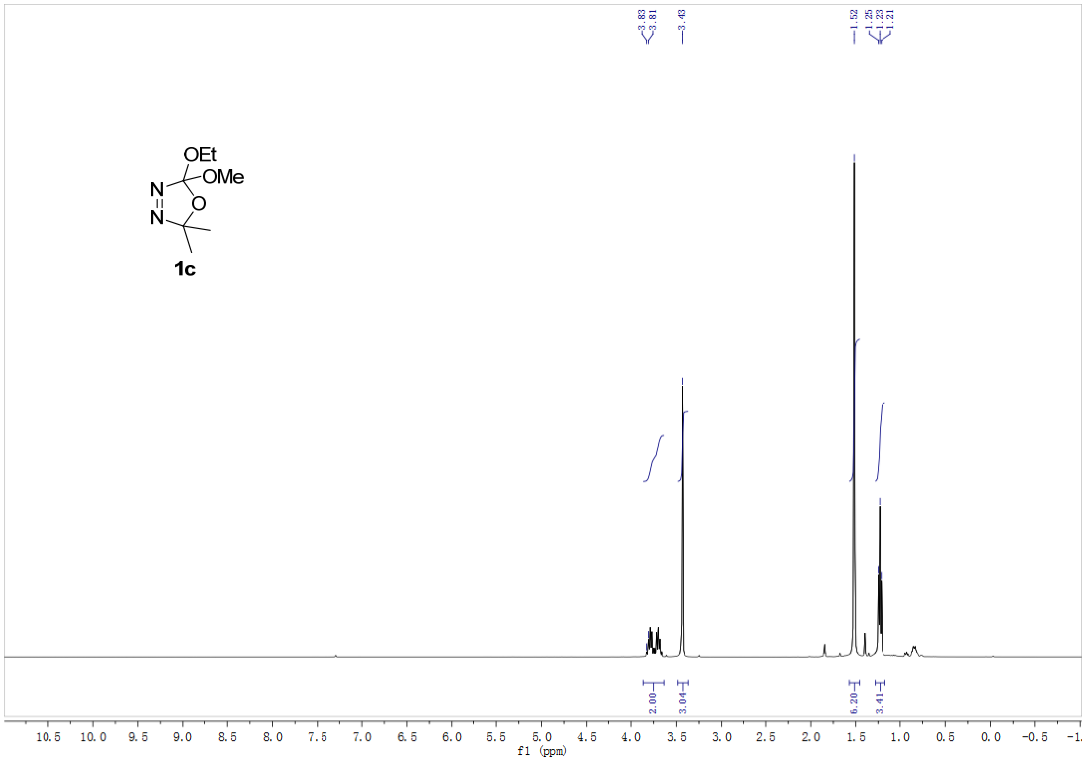
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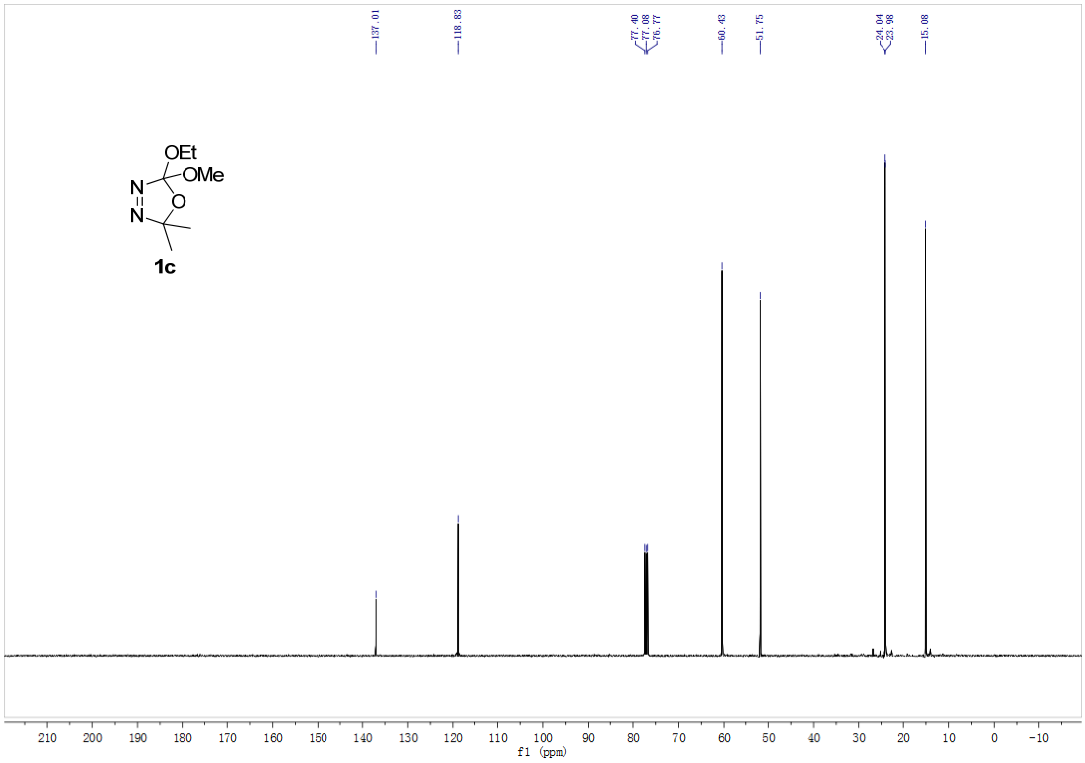
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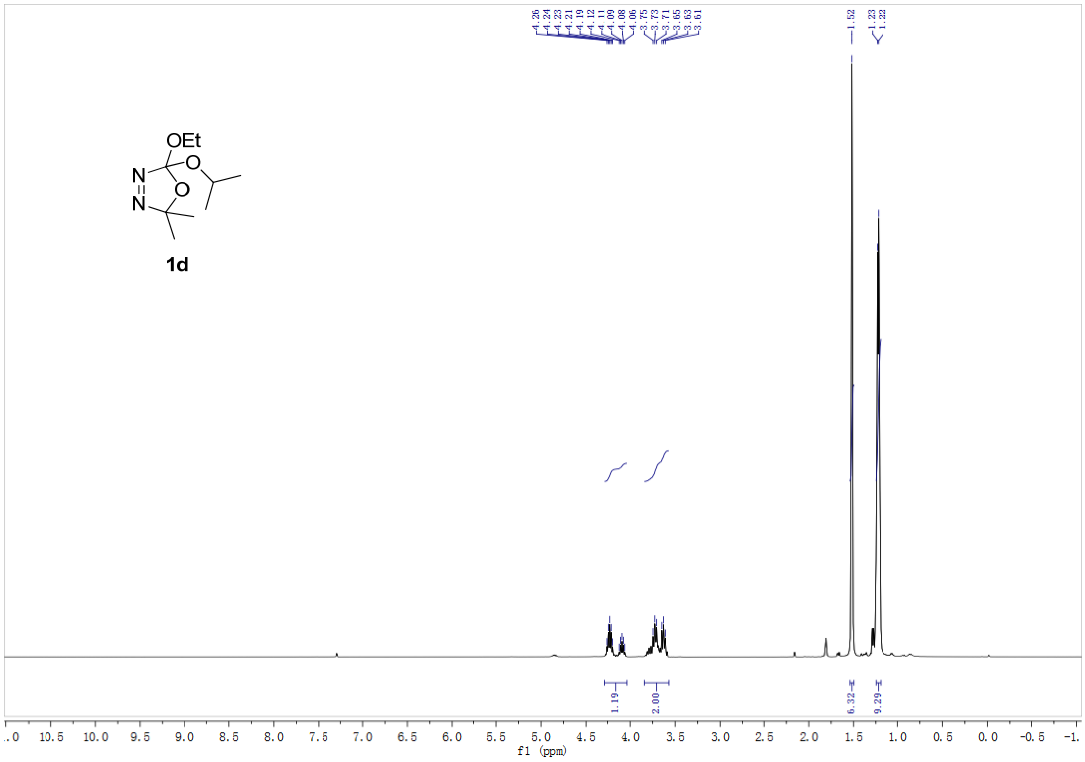
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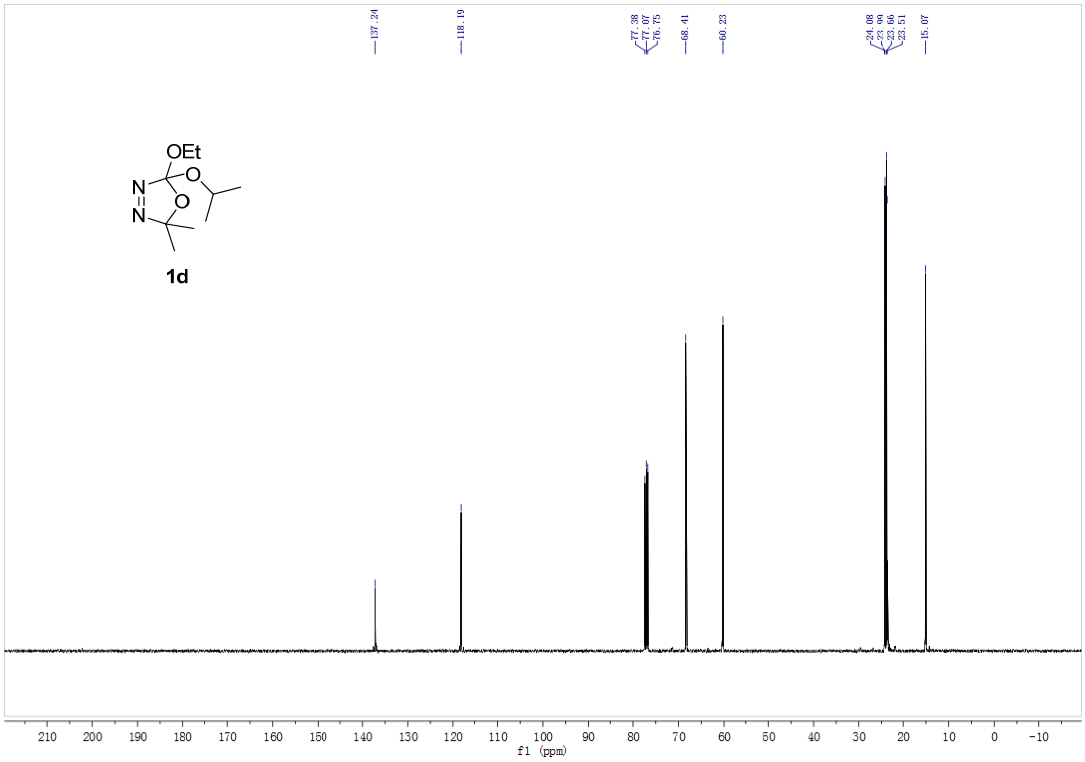
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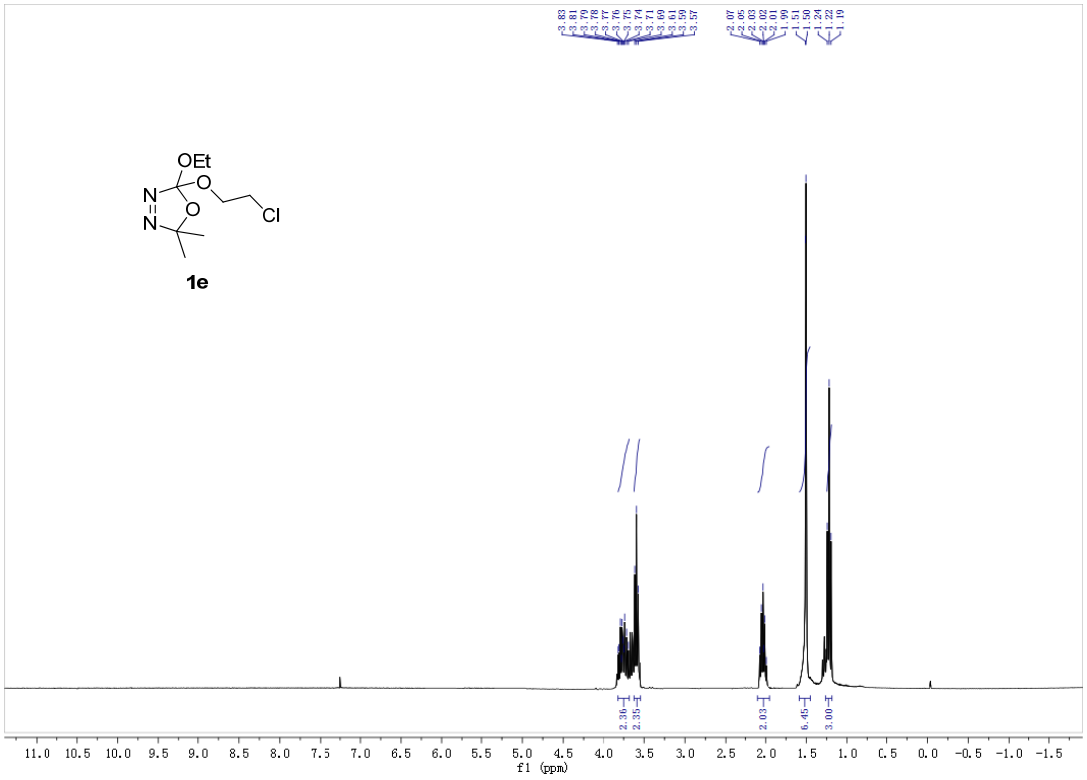
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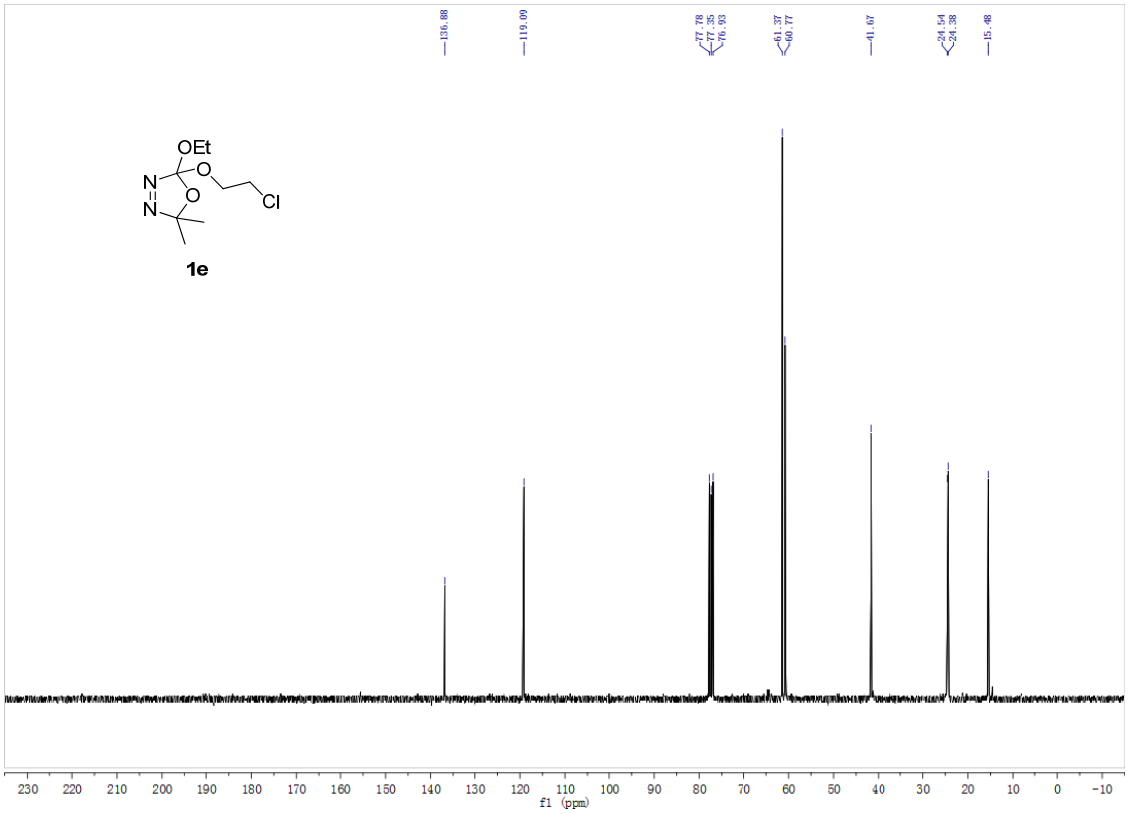
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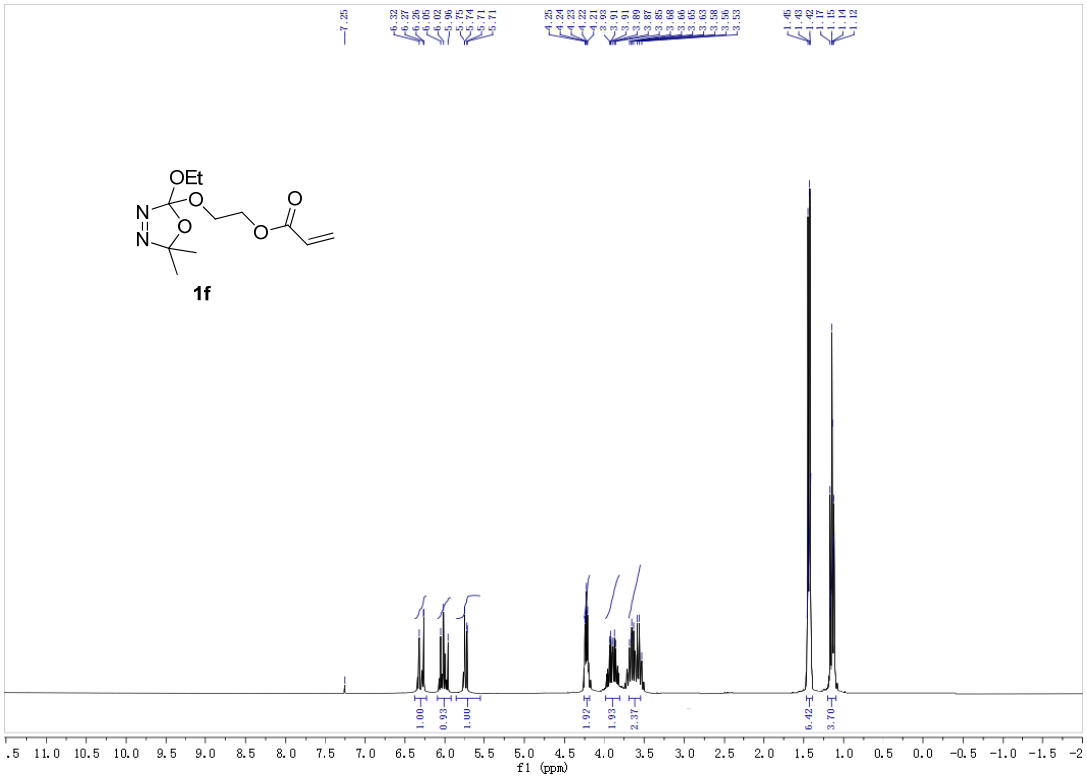
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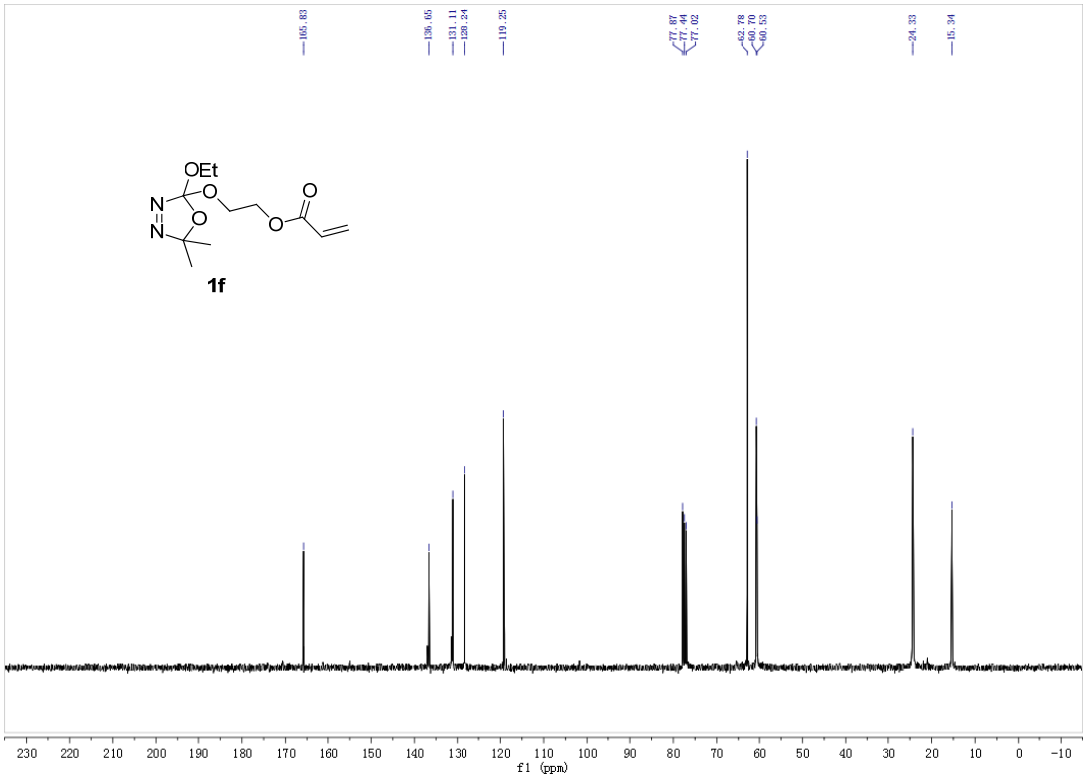
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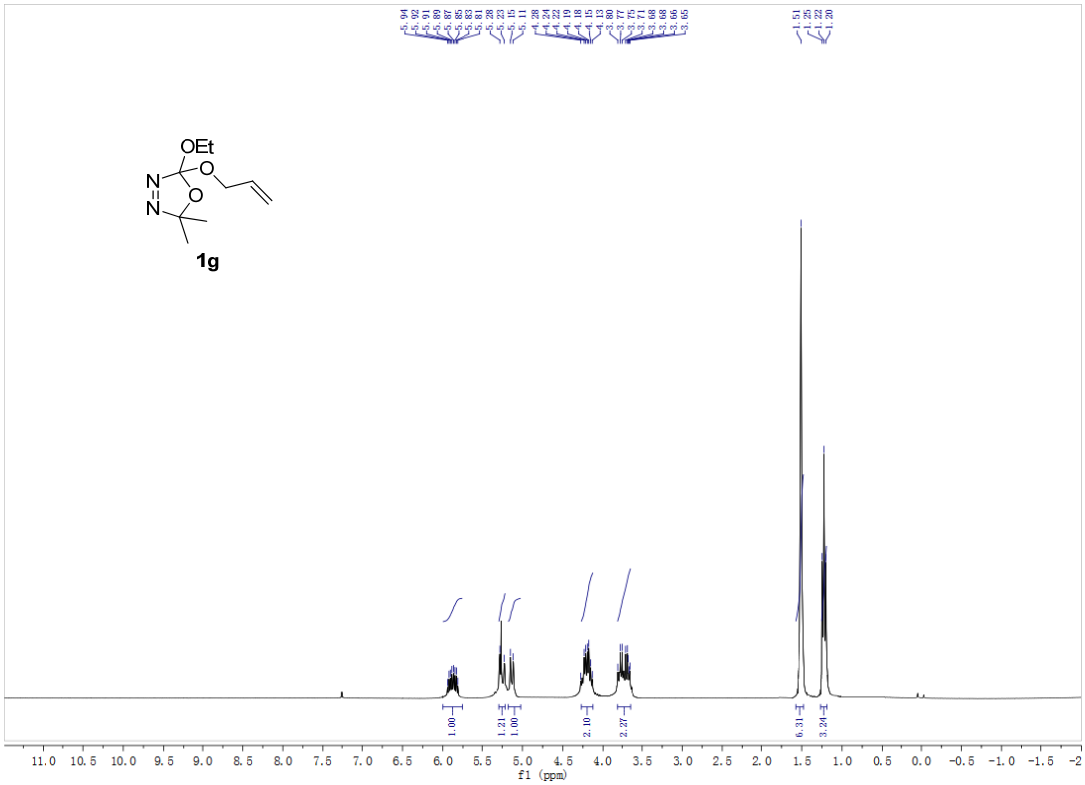
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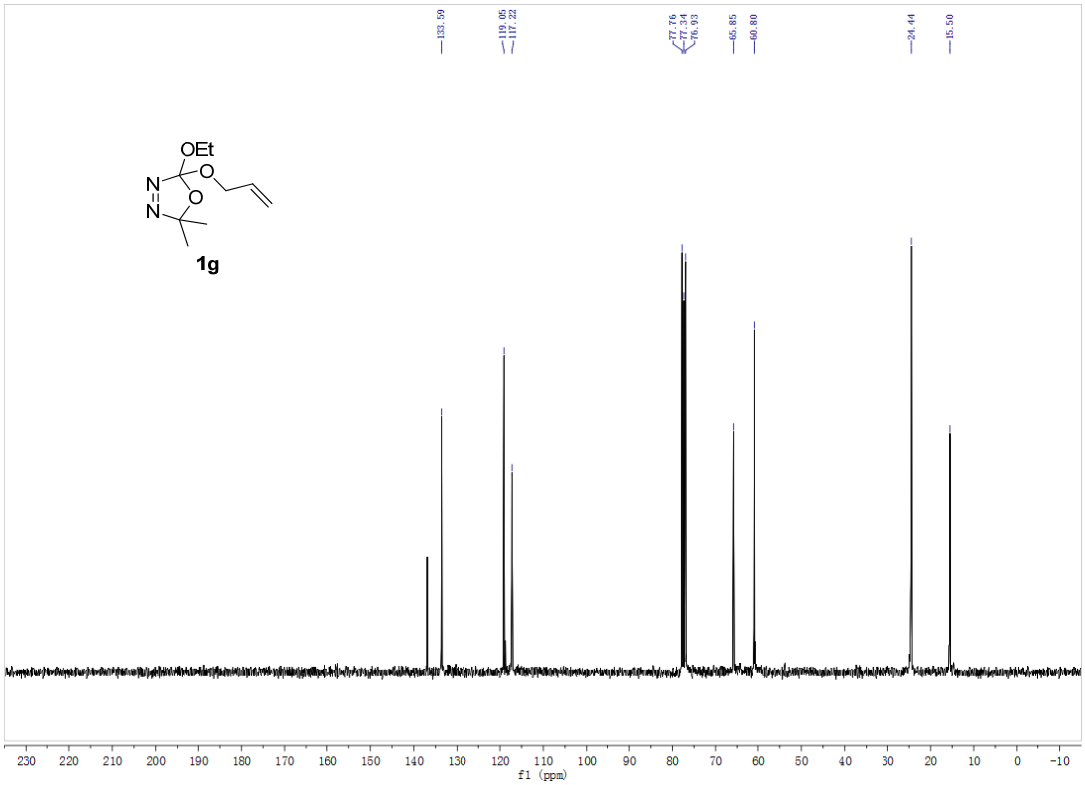
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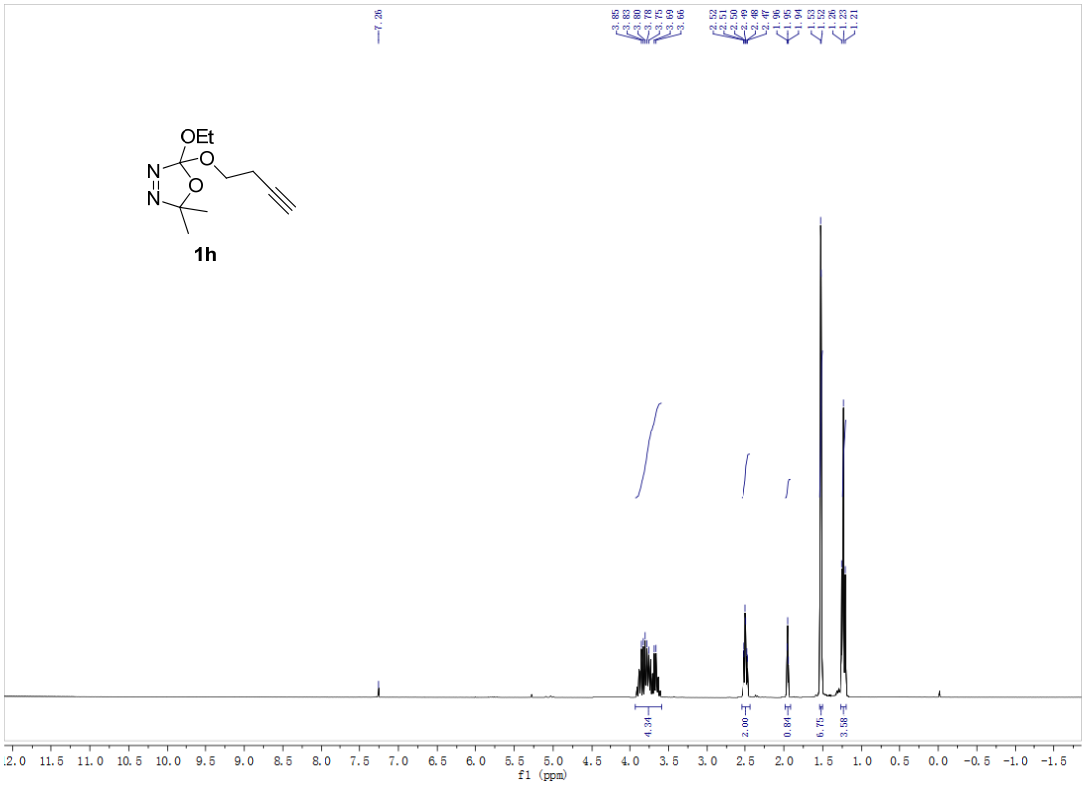
f1 (ppm)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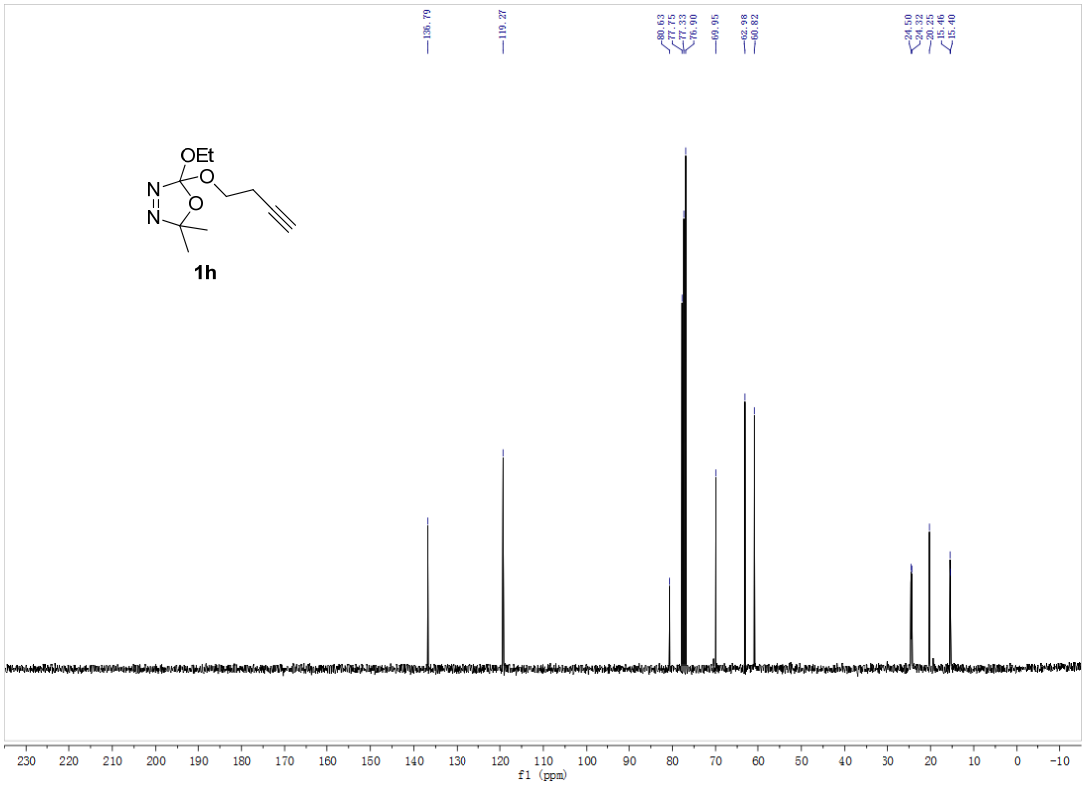
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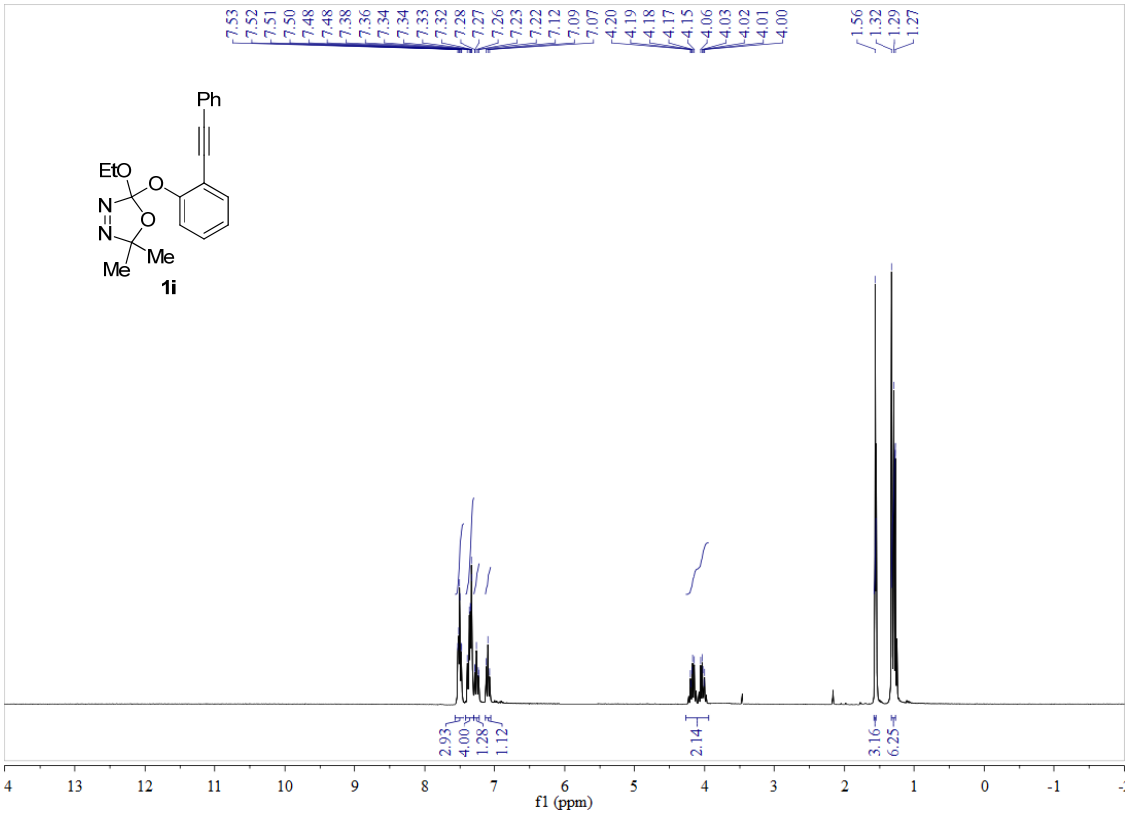
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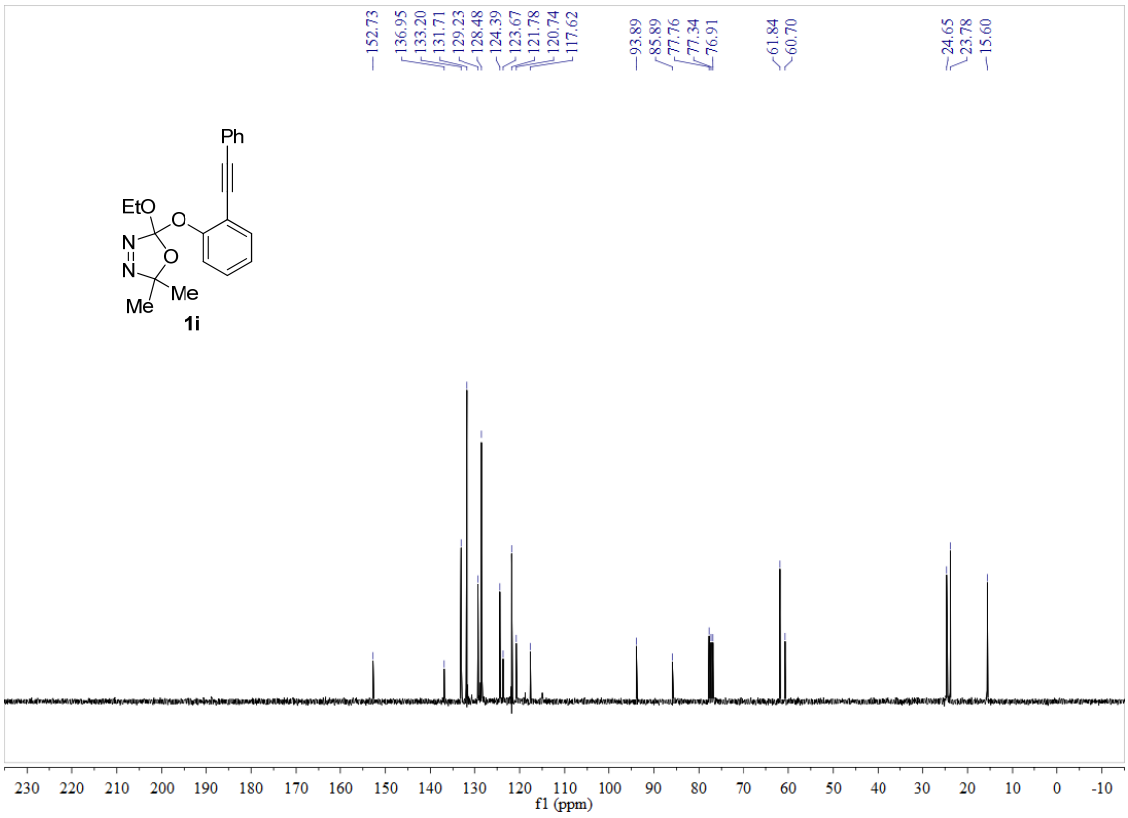
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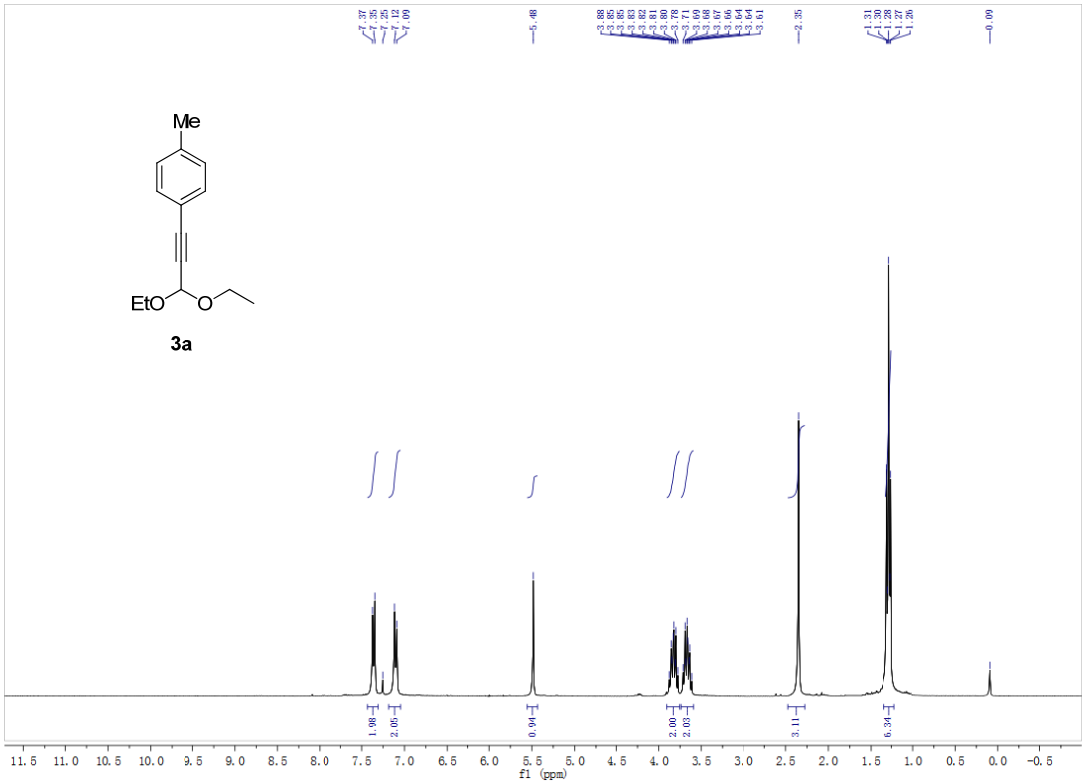
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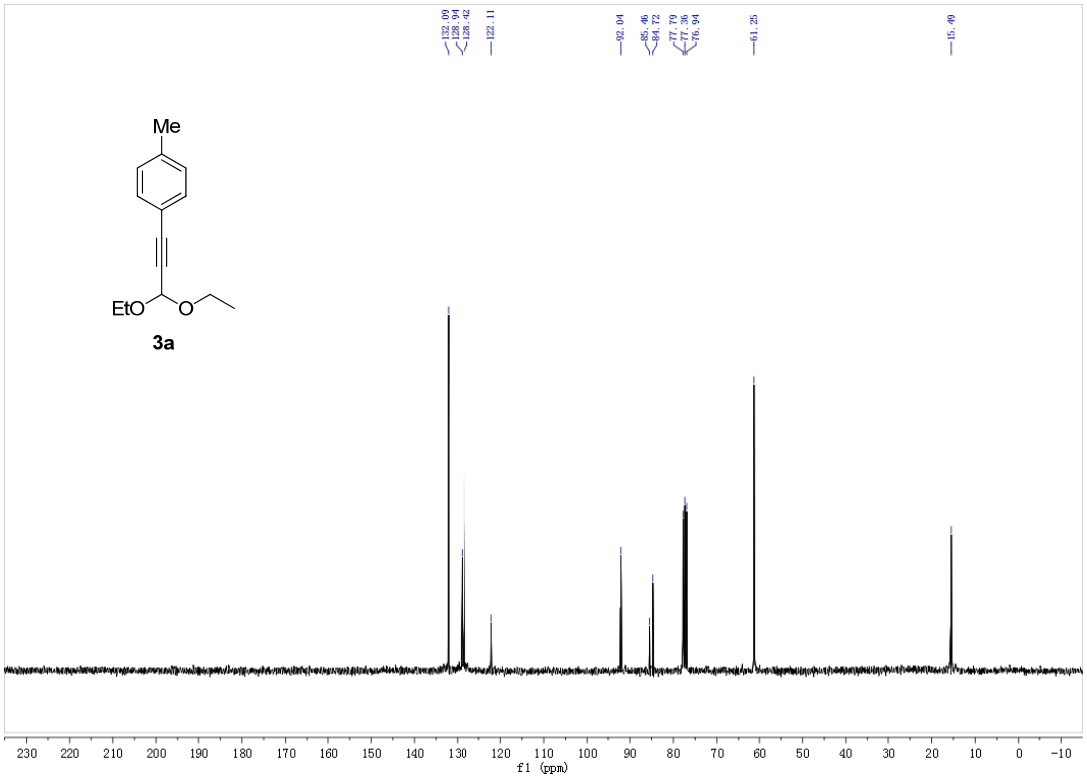
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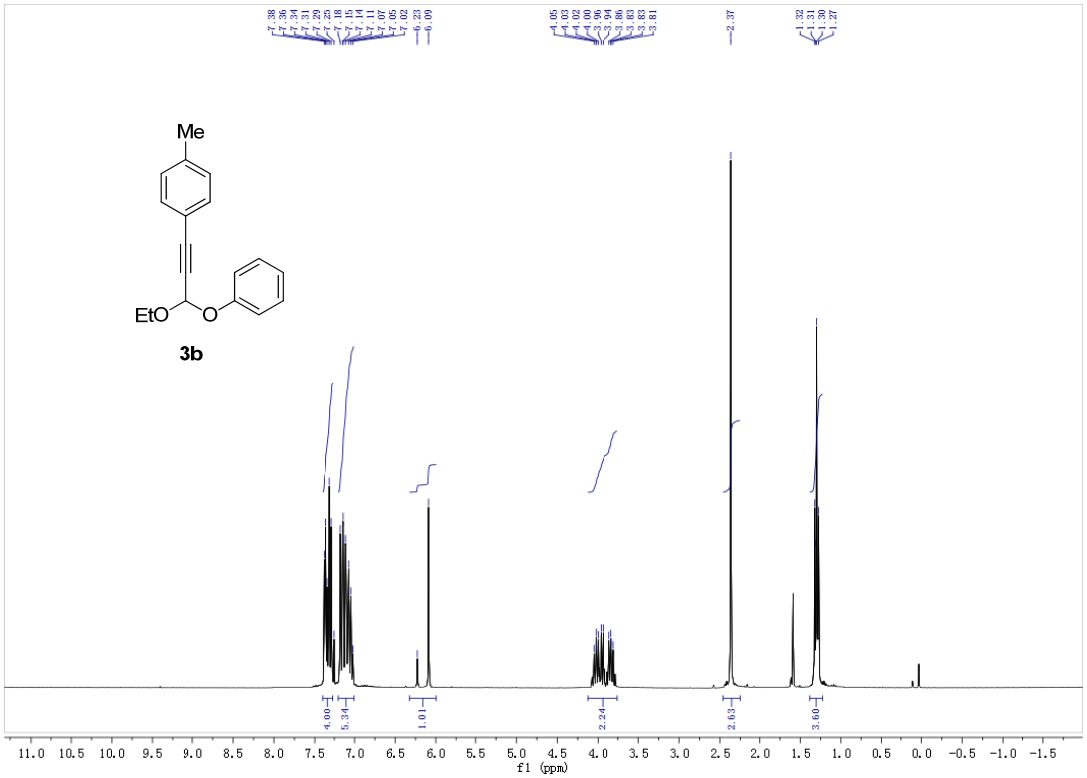
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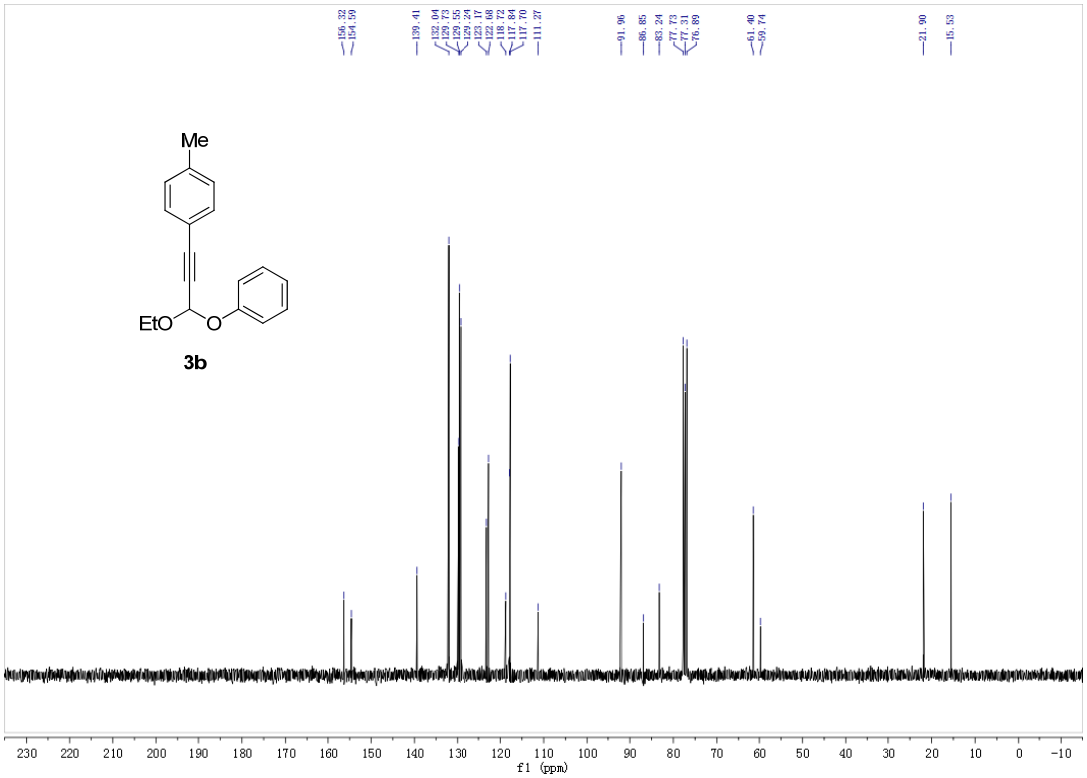
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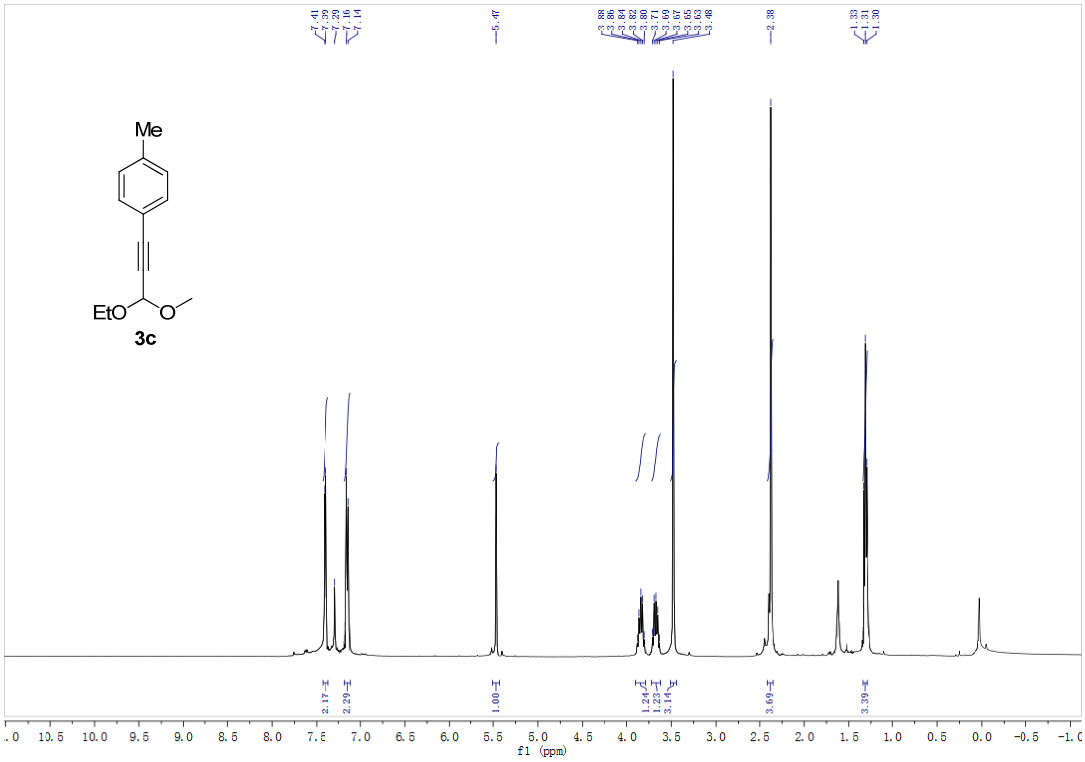
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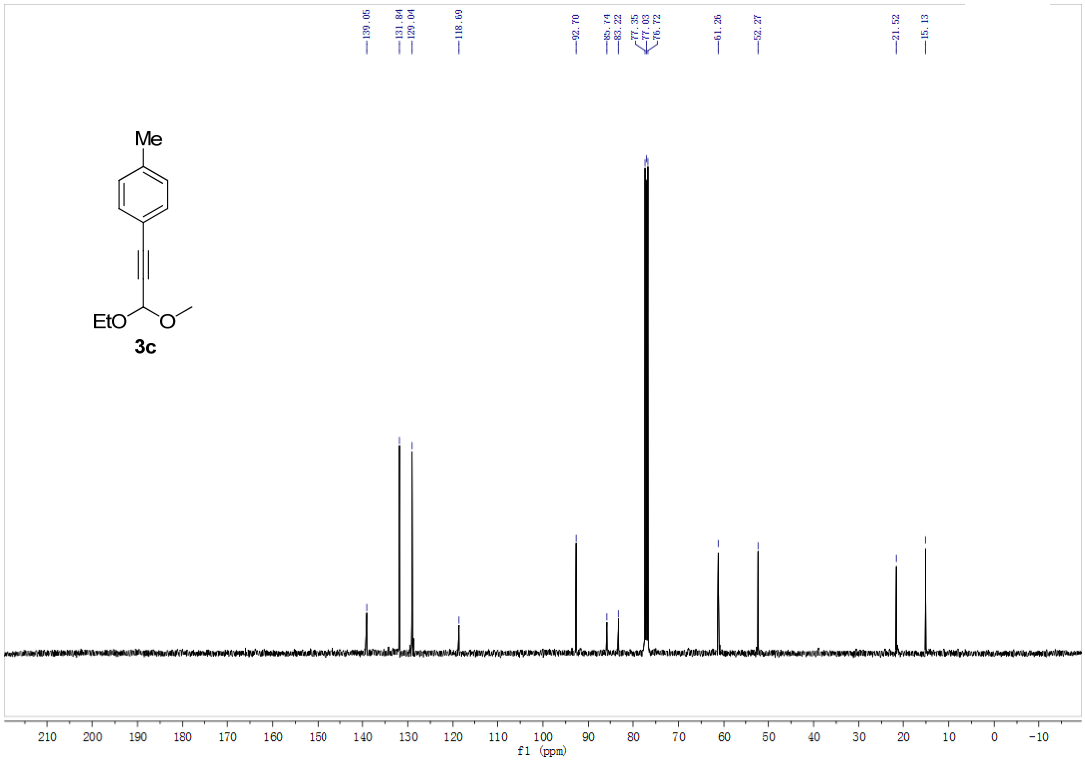
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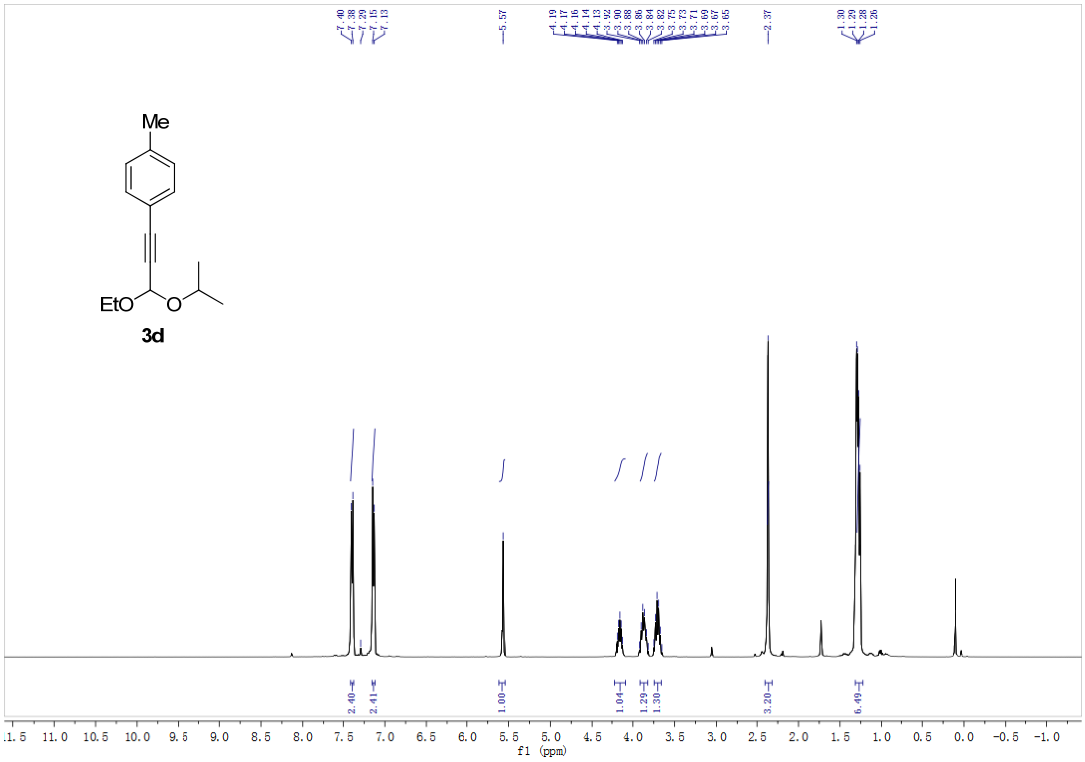
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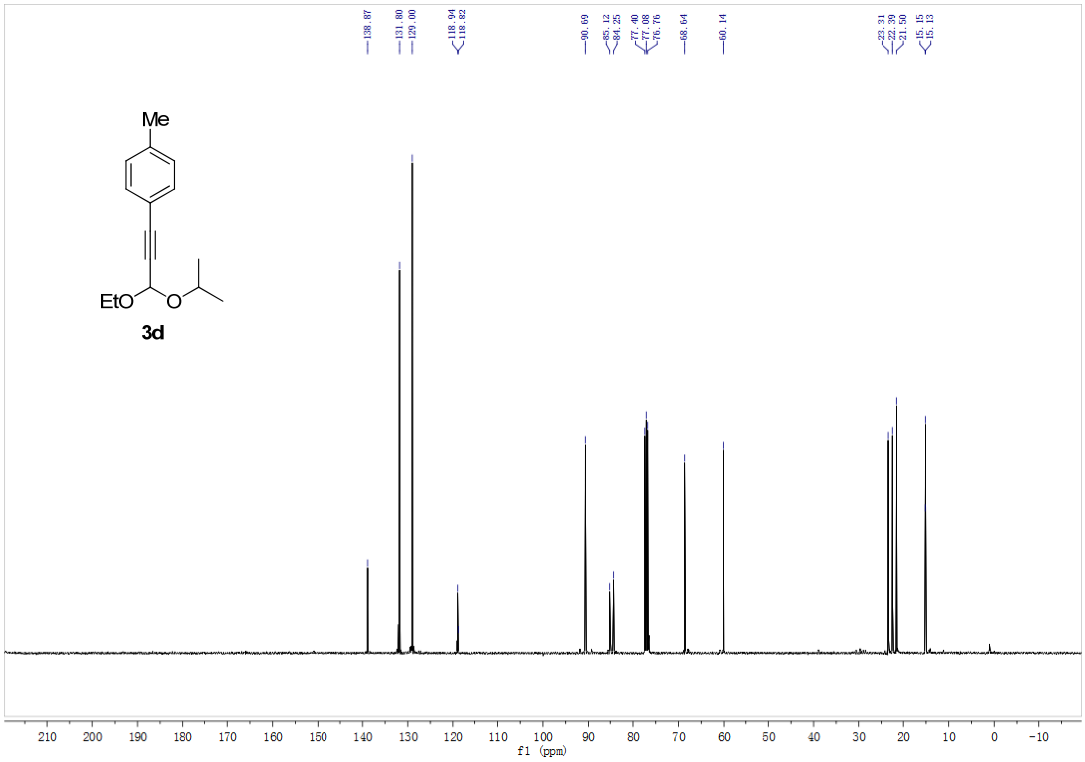
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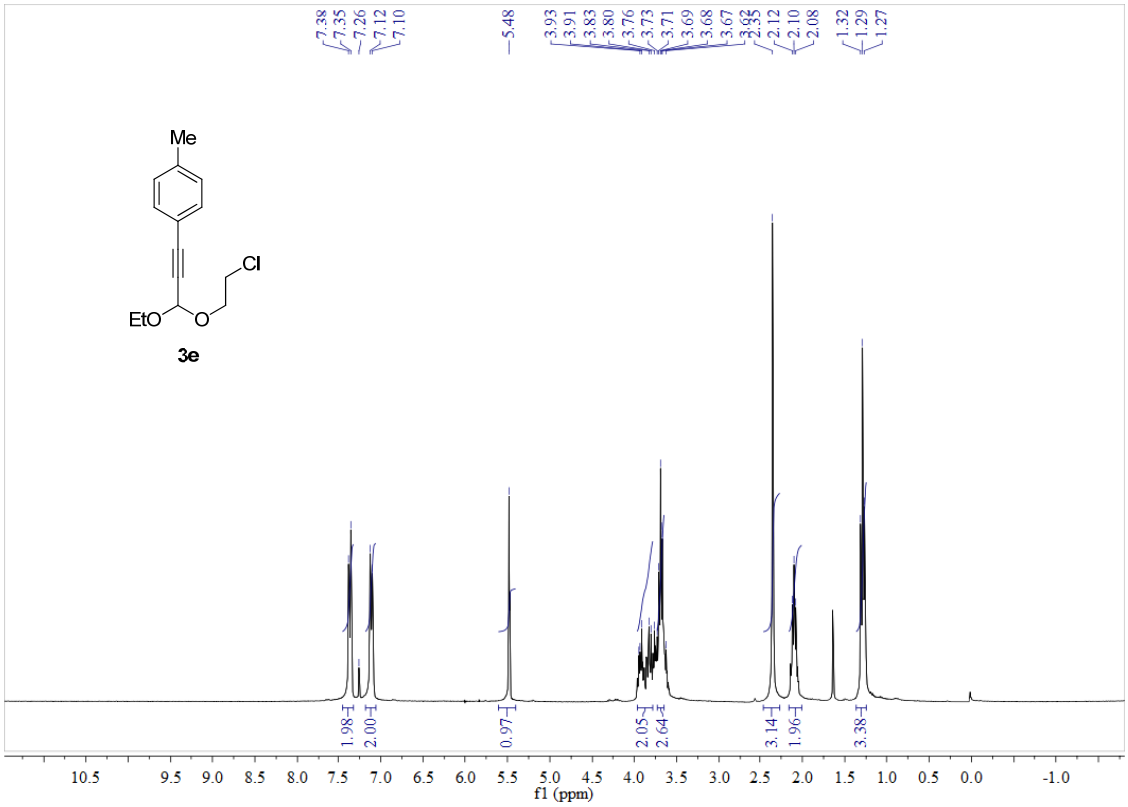
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1.96
3.38
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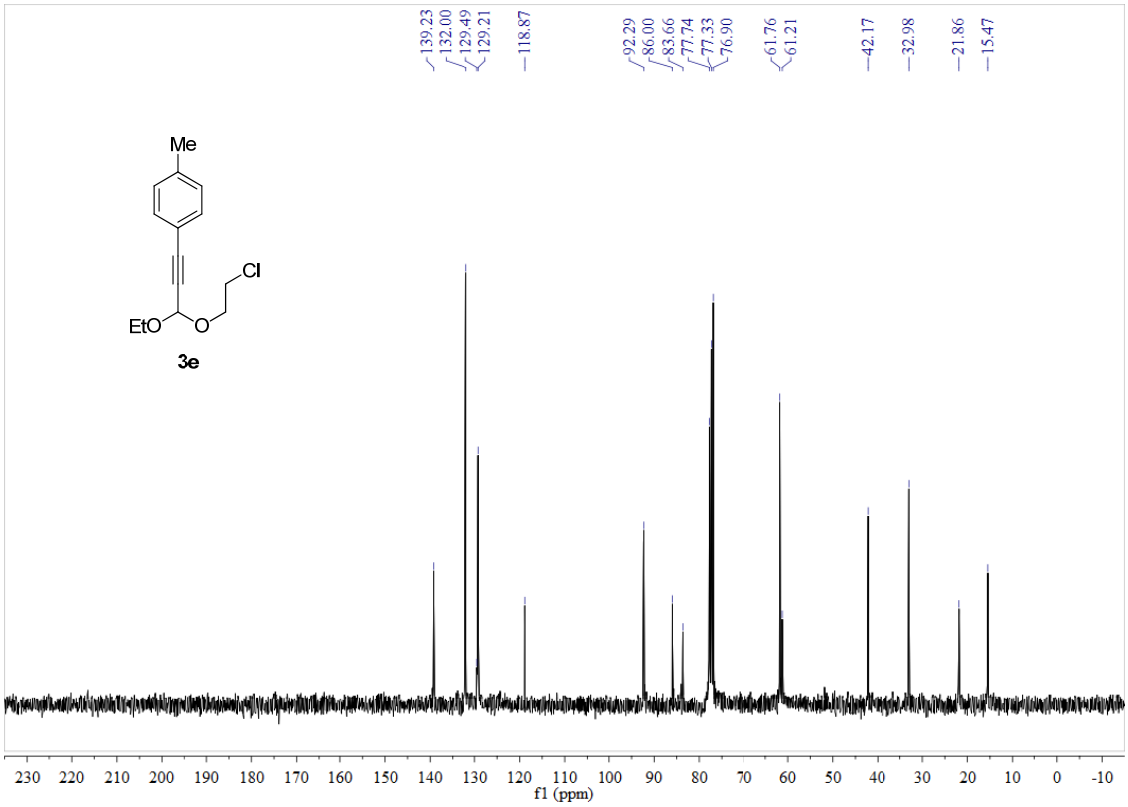
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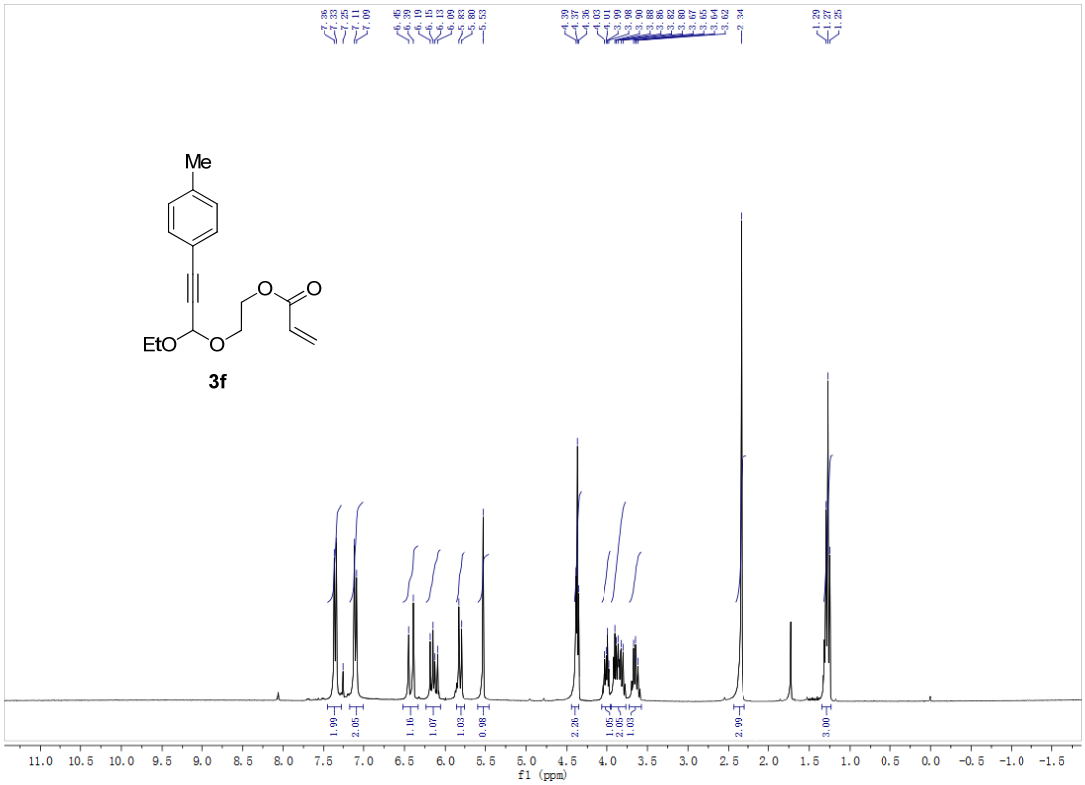
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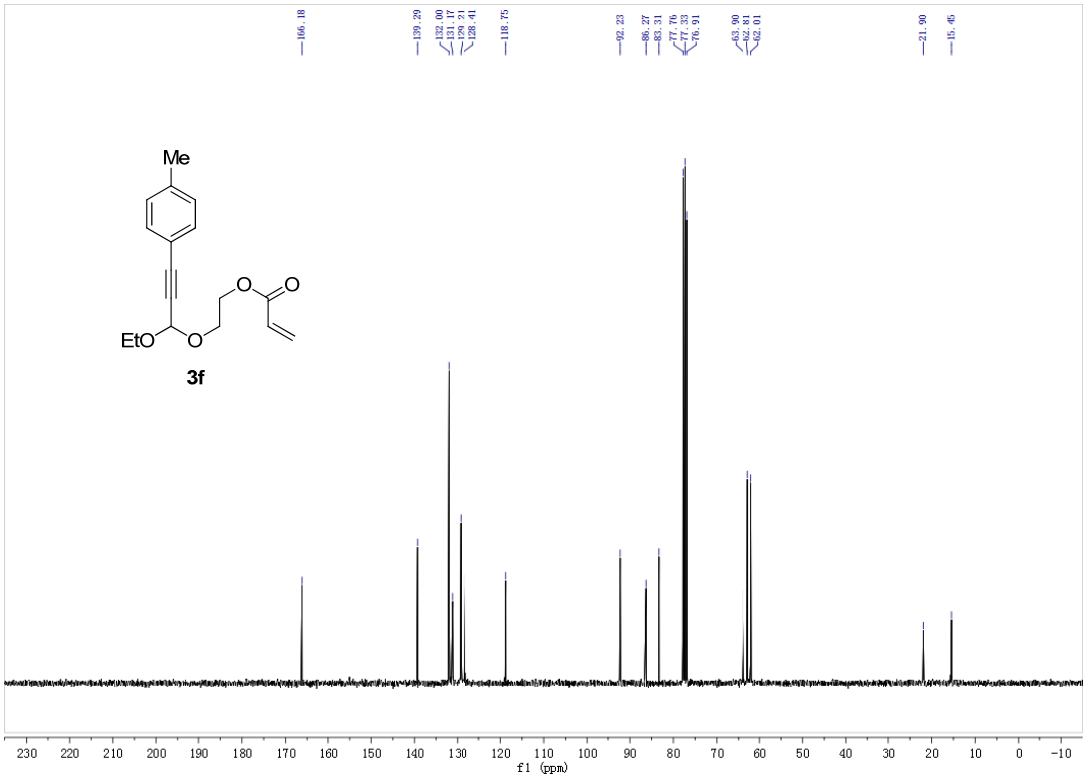
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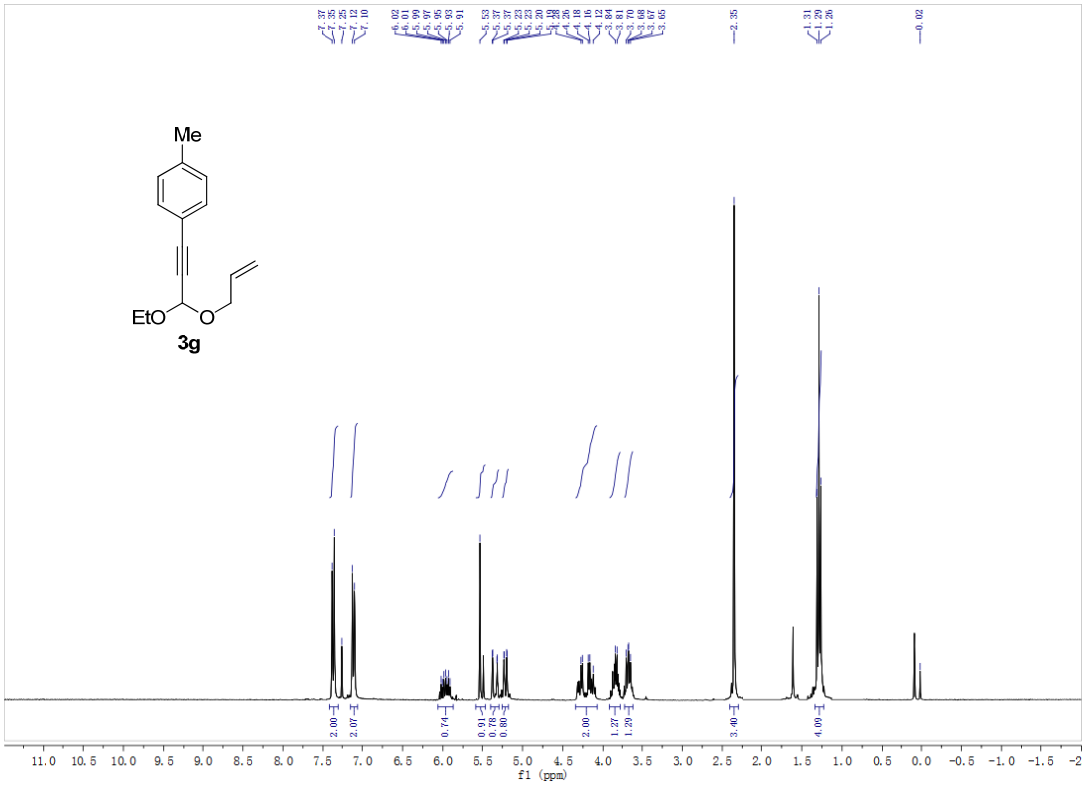
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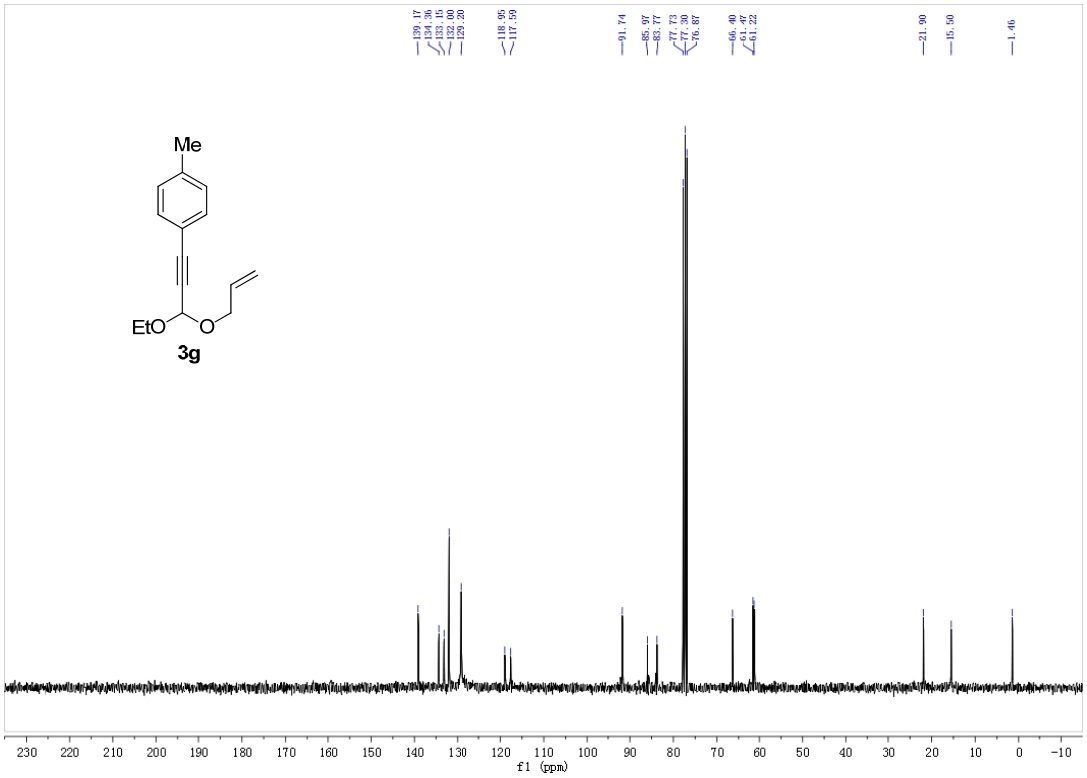
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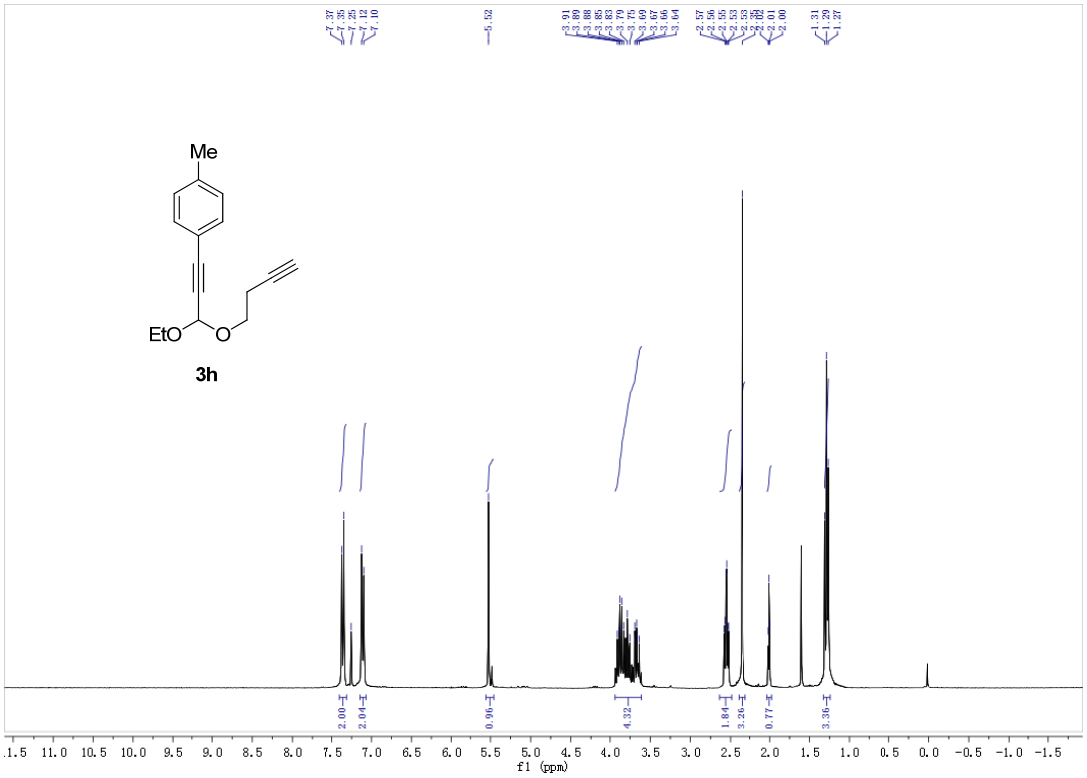
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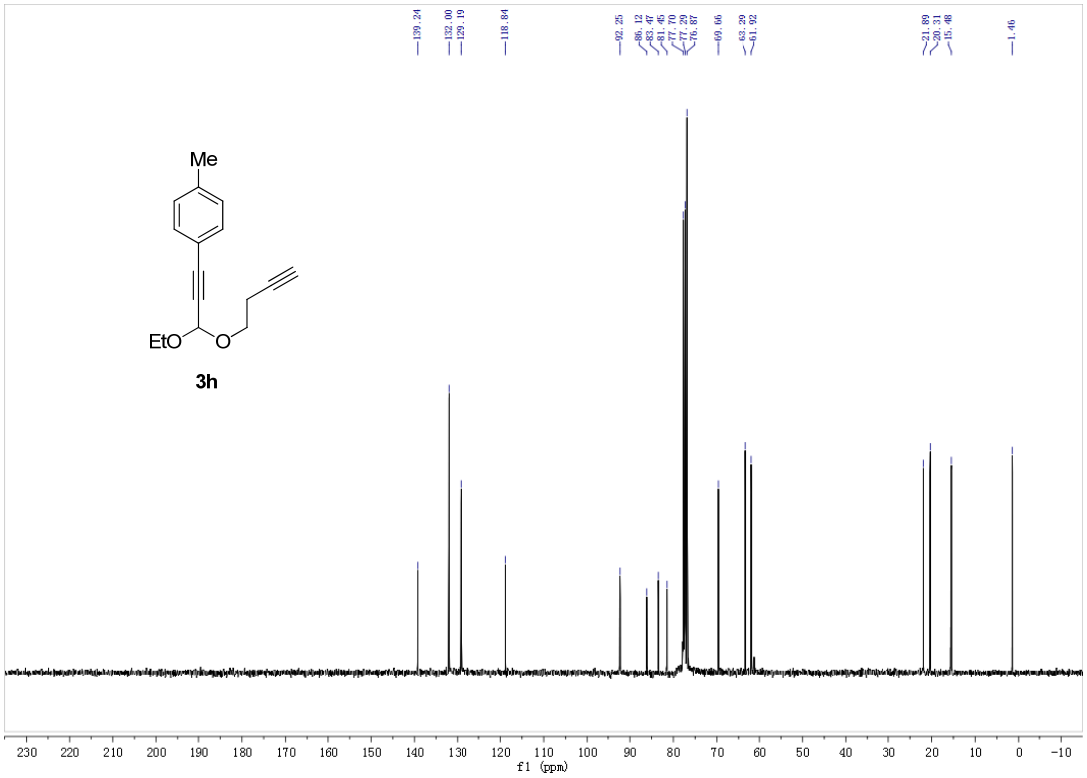
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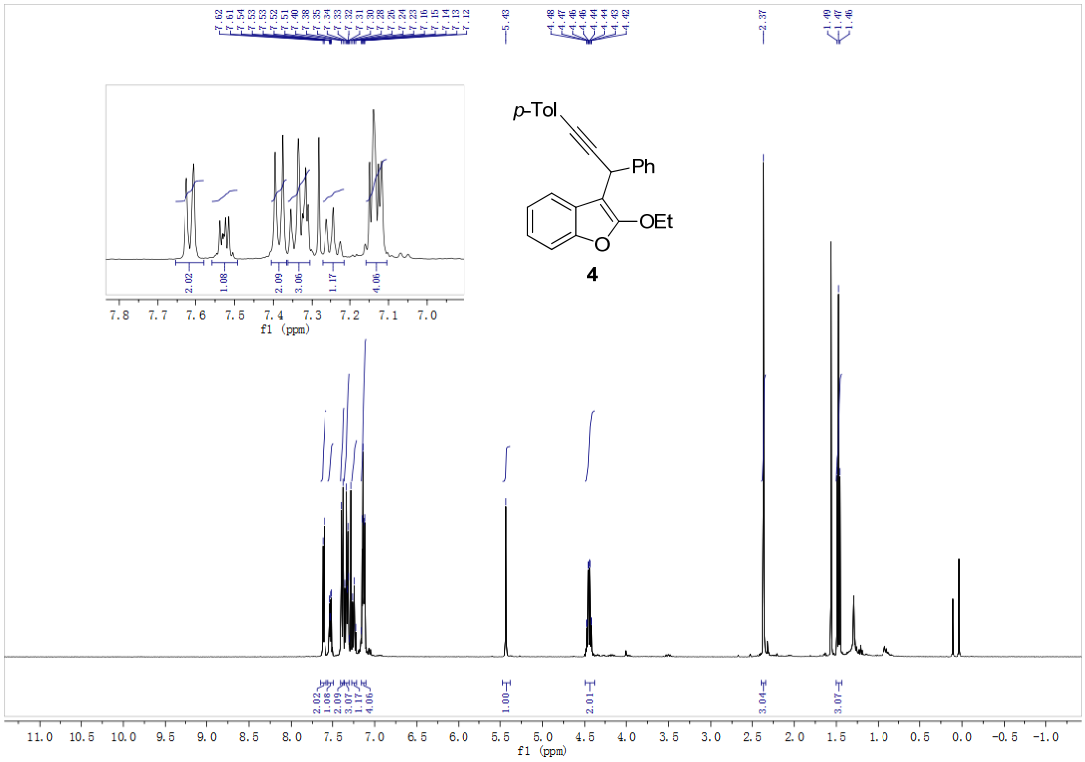
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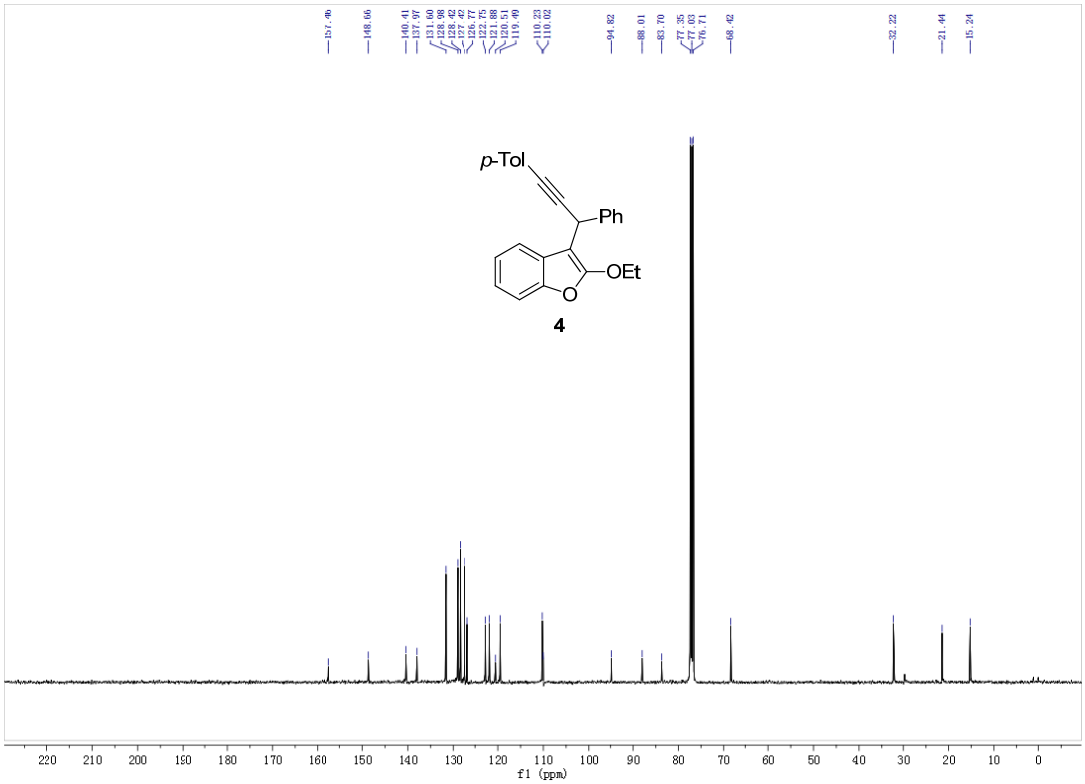
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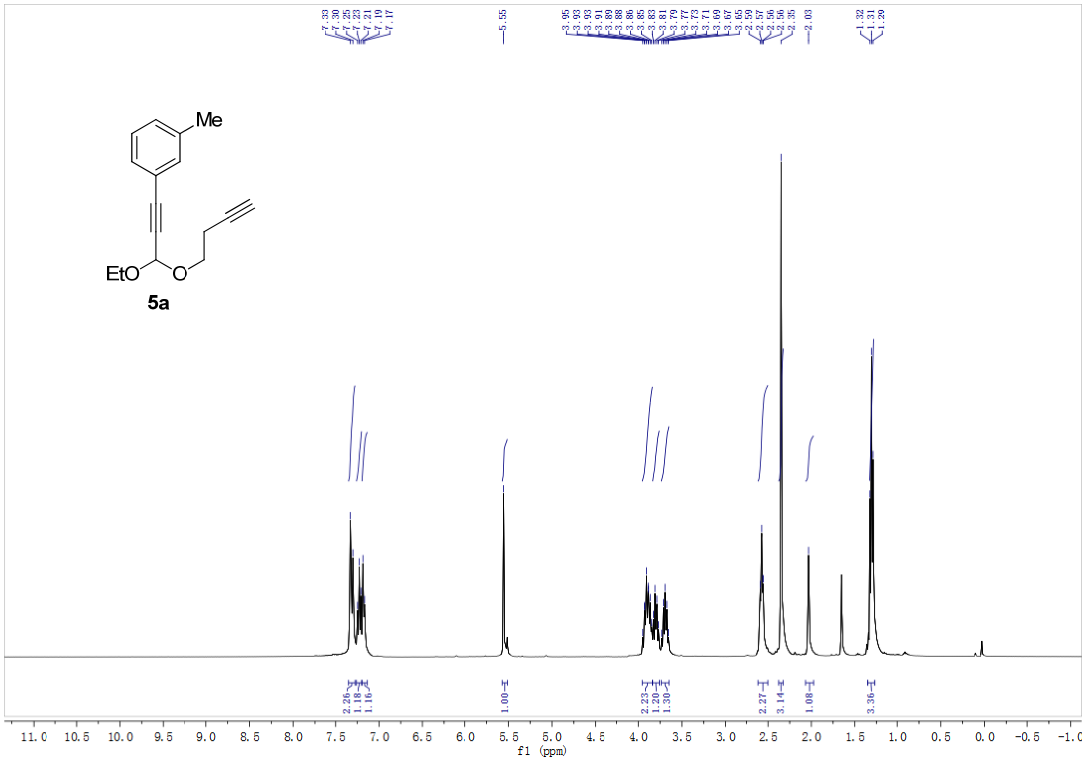
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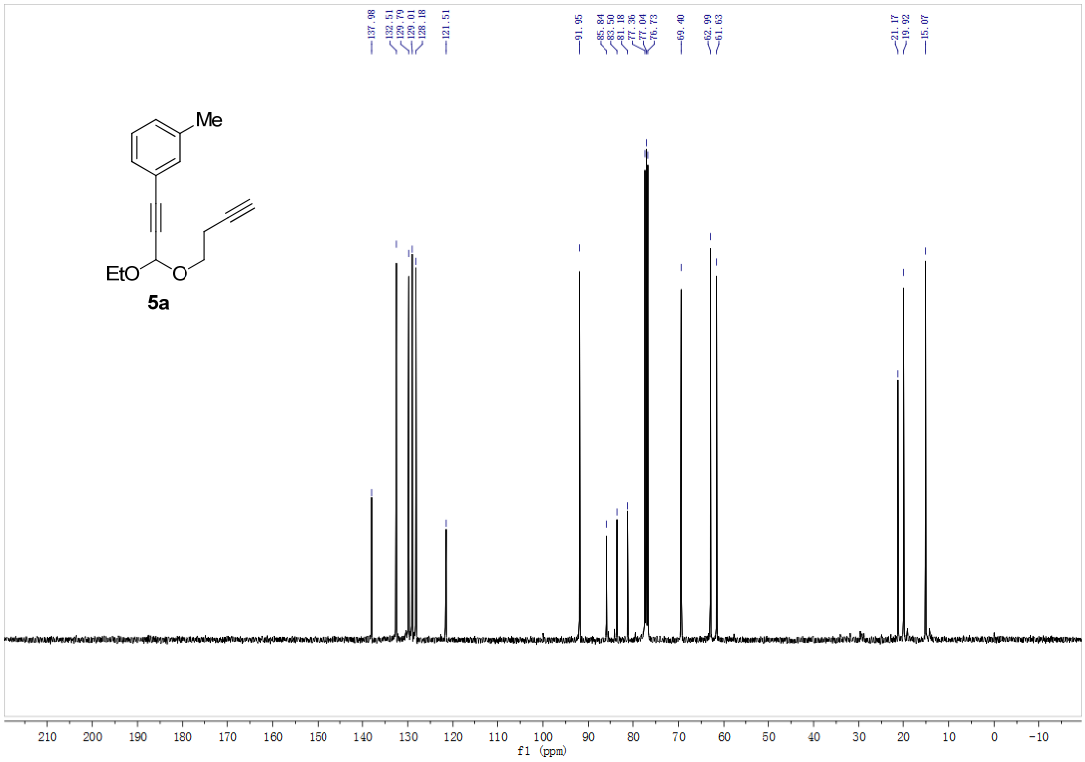
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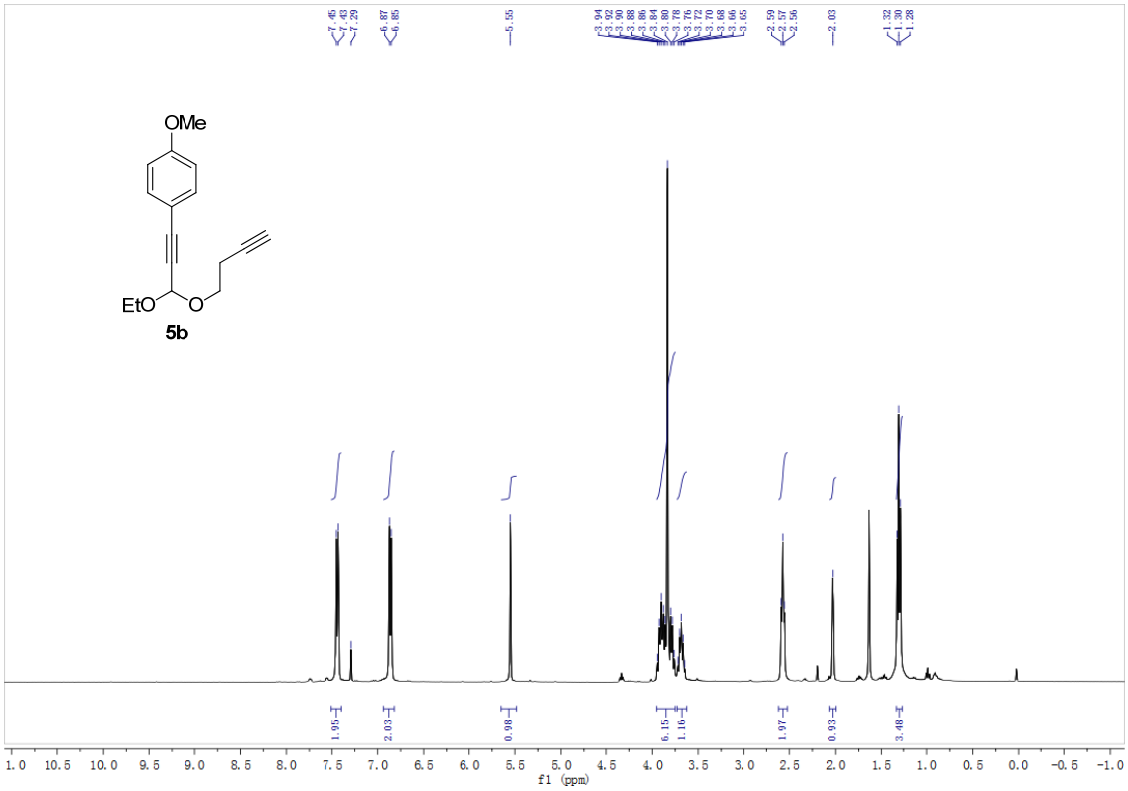
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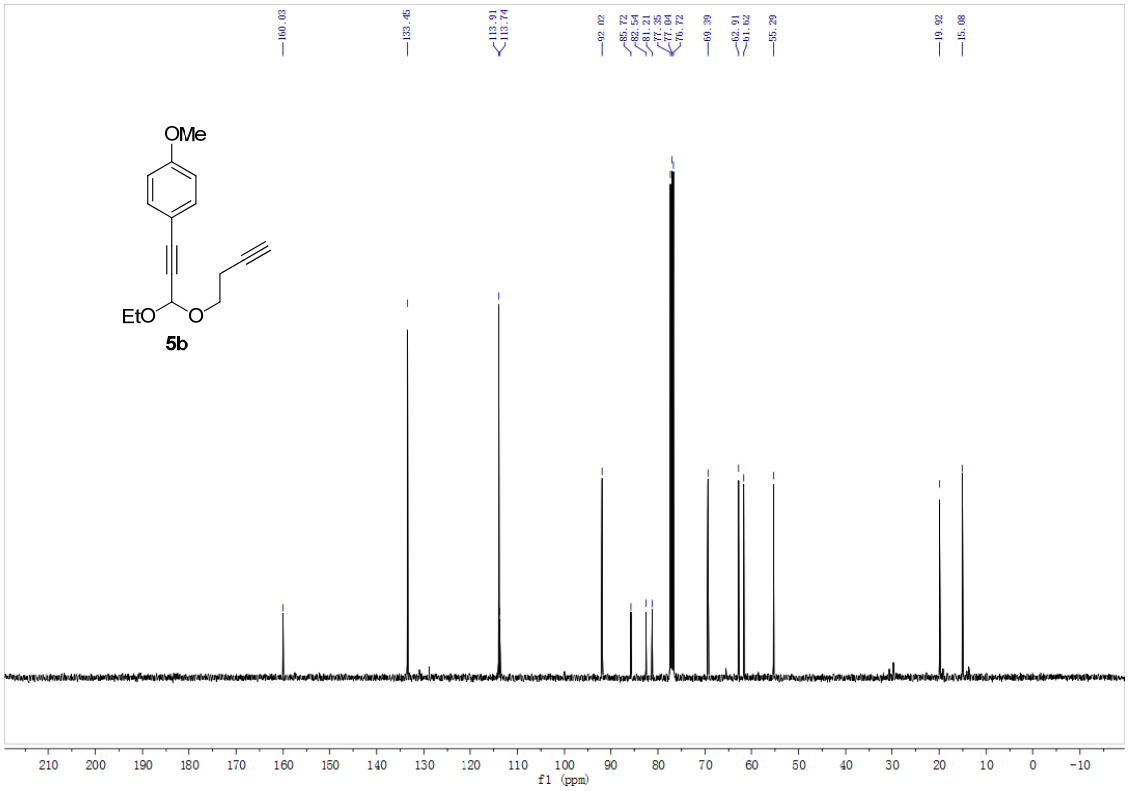
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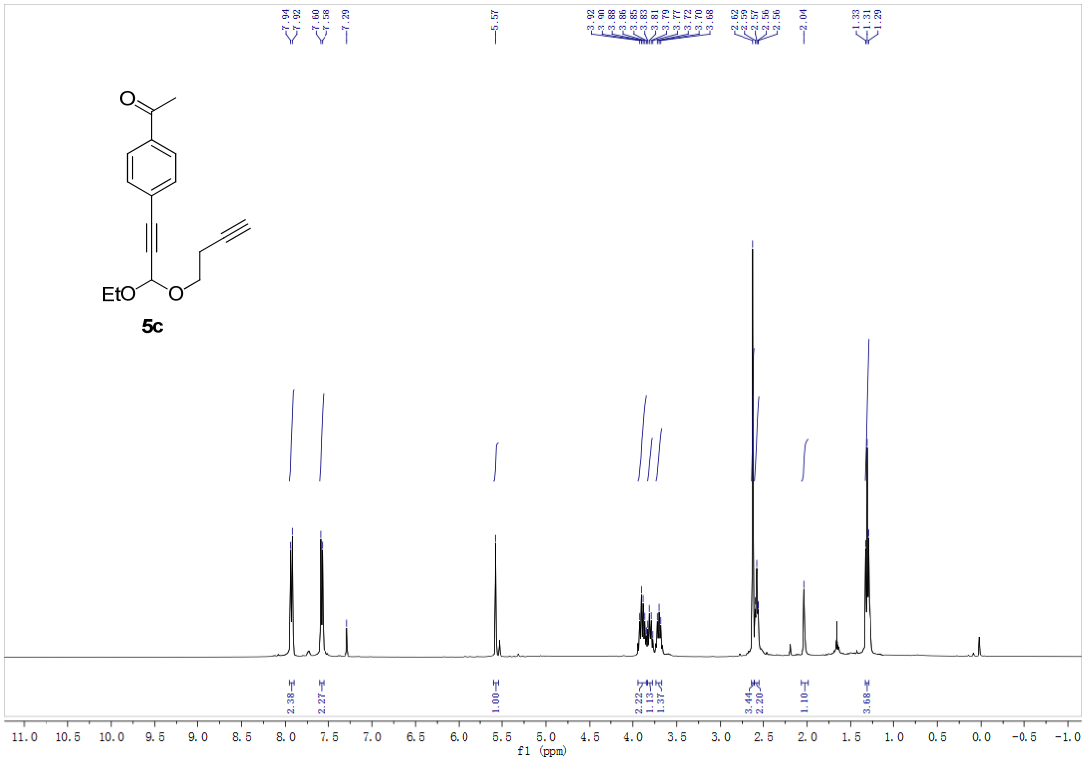
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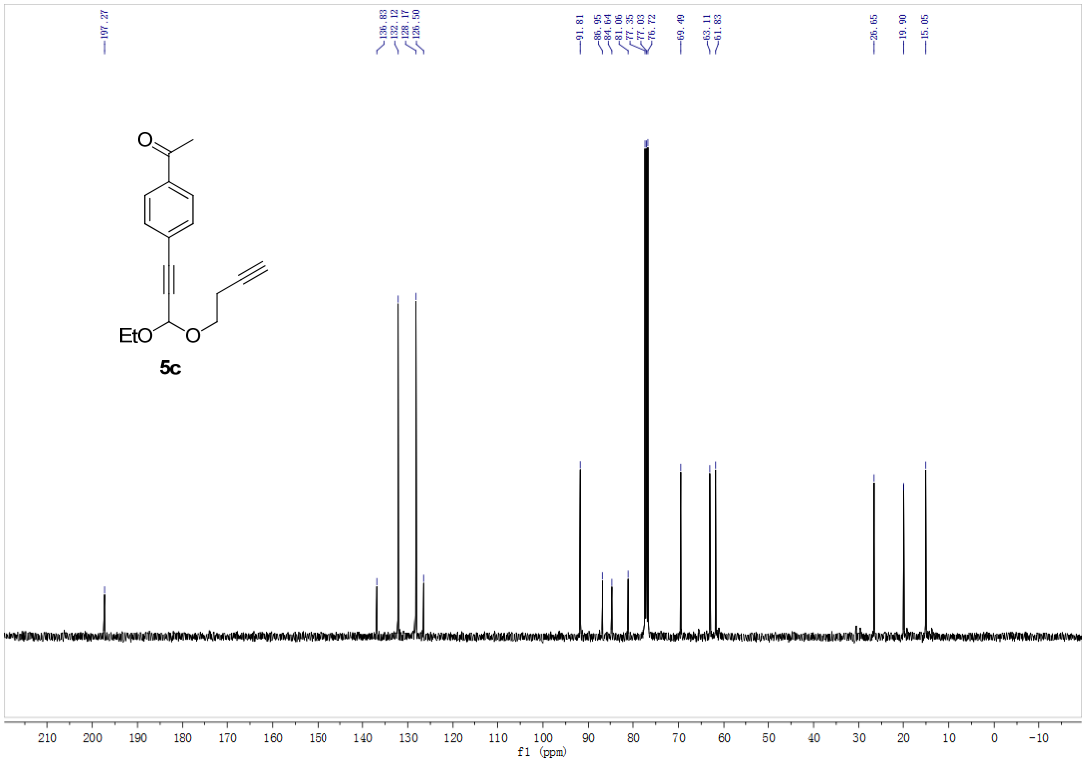
1.10
3.68
11.0 10.5 10.0 9.5 9.0 8.5 8.0 7.5 7.0 6.5 6.0 5.5 5.0 4.5 4.0 3.5 3.0 2.5 2.0 1.5 1.0 0.5 0.0 -0.5 -1.0
f1 (ppm)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69.49
63.11
61.83
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19.90
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O
EtO
O
5c
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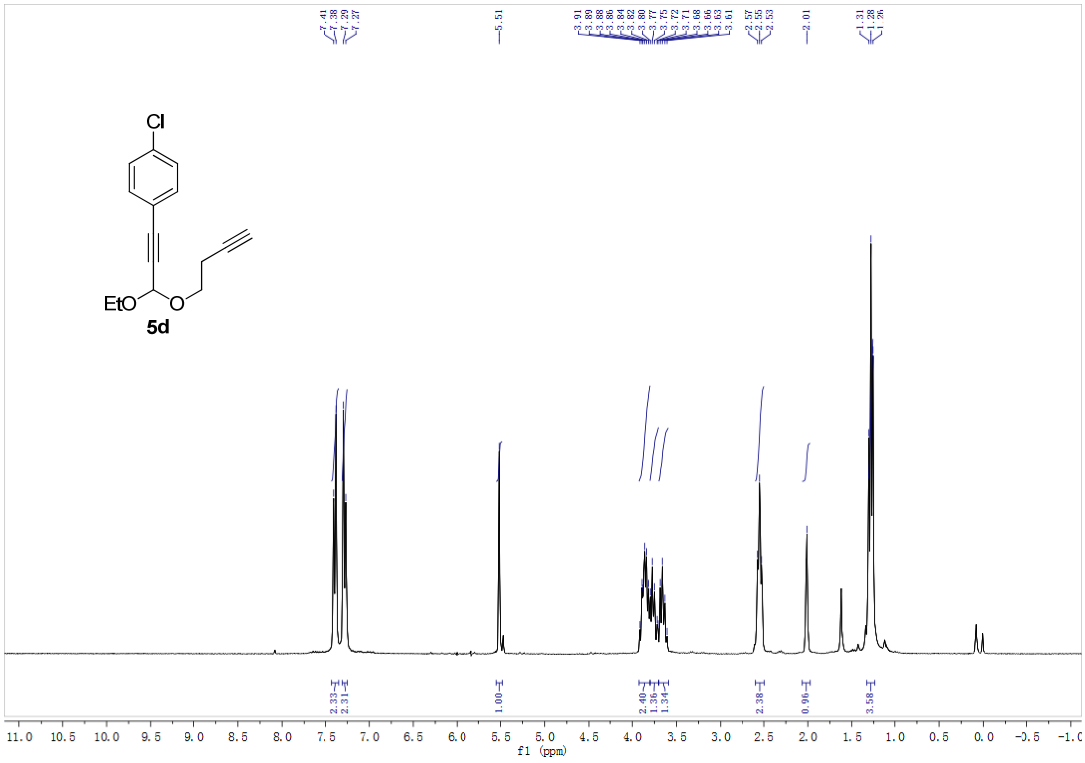
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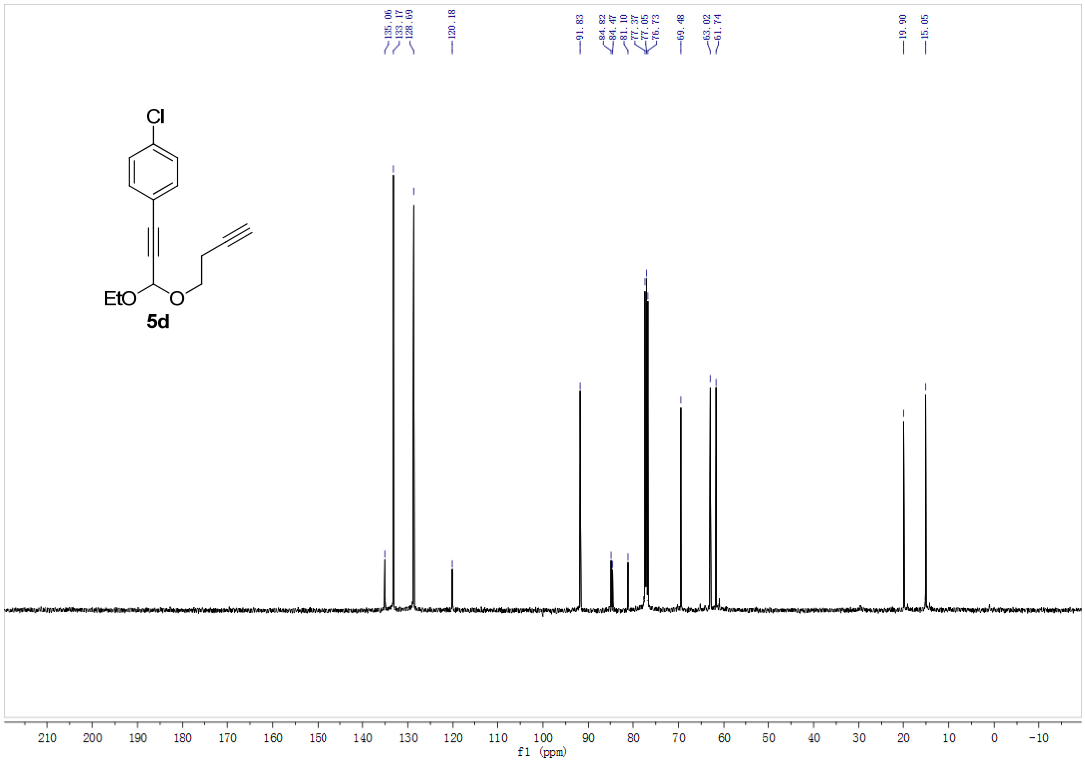
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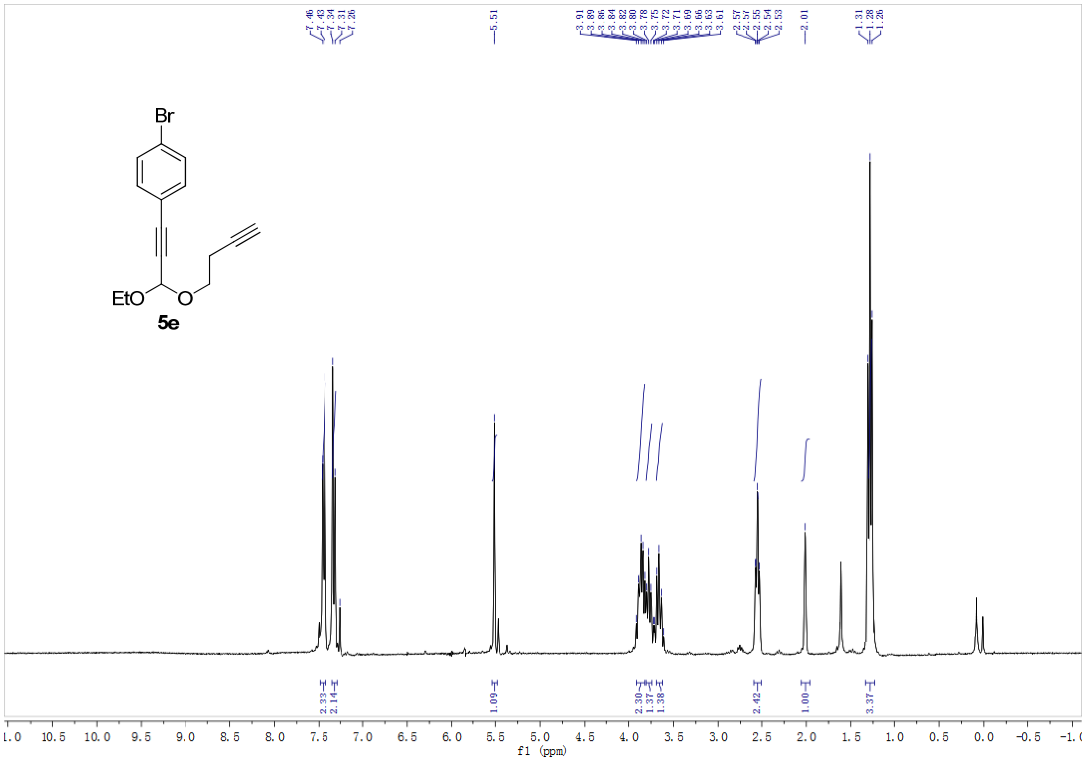
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O
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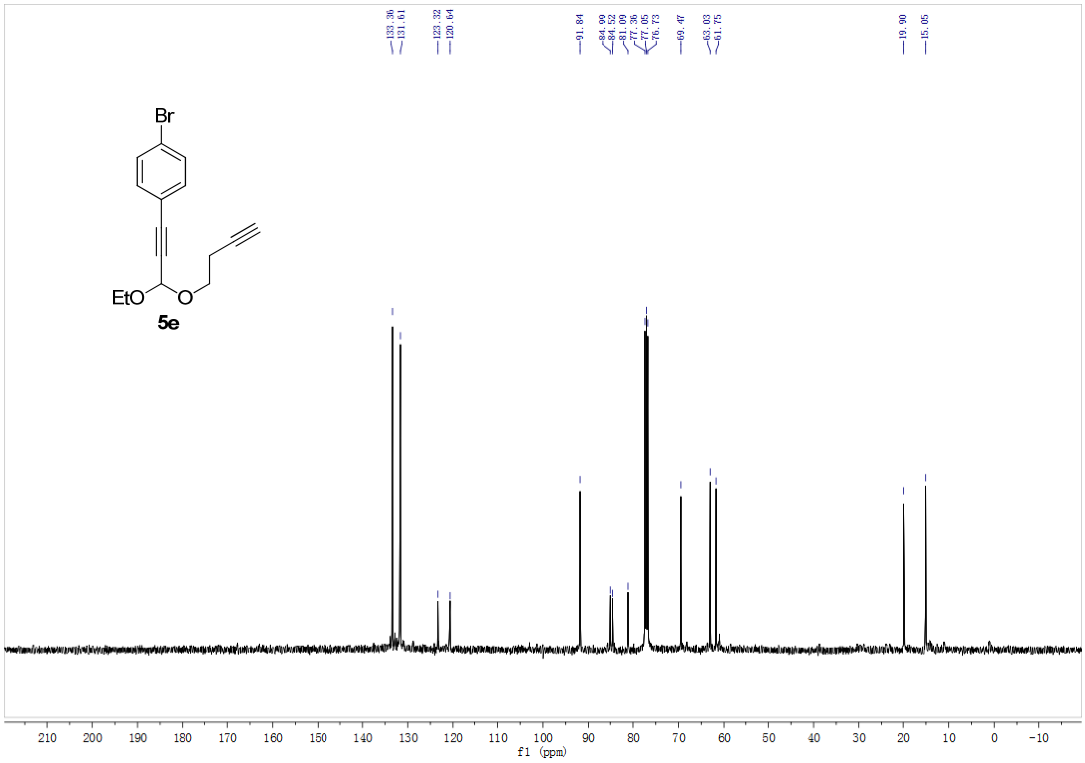
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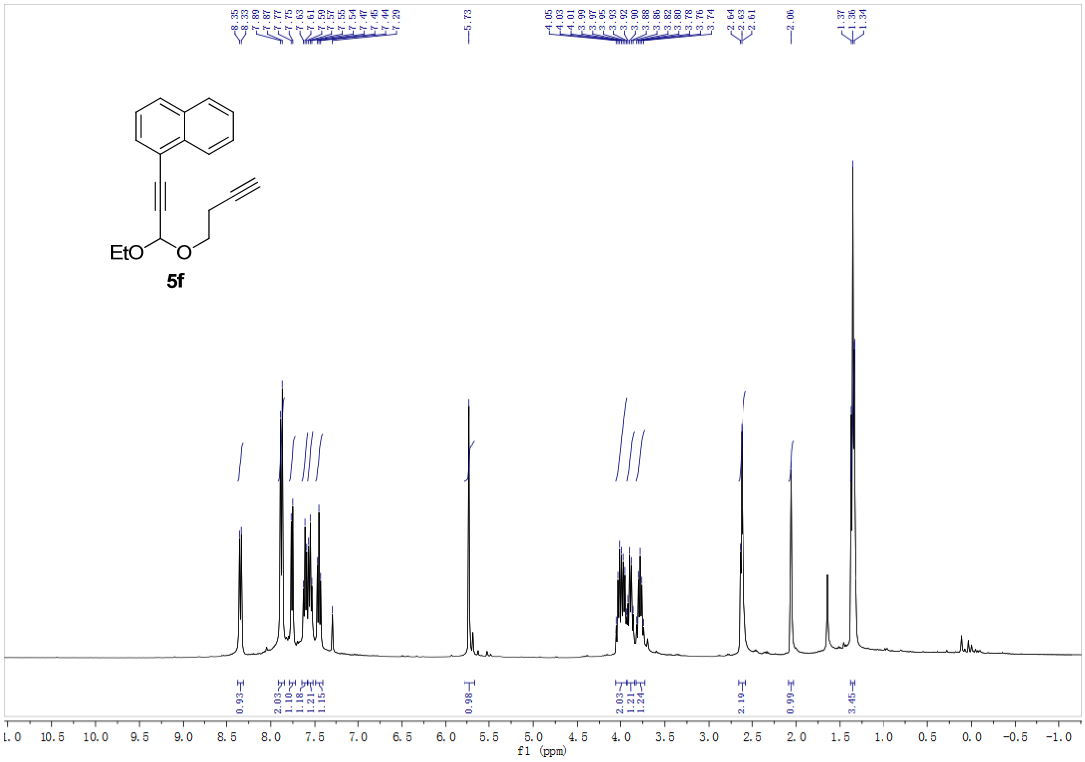
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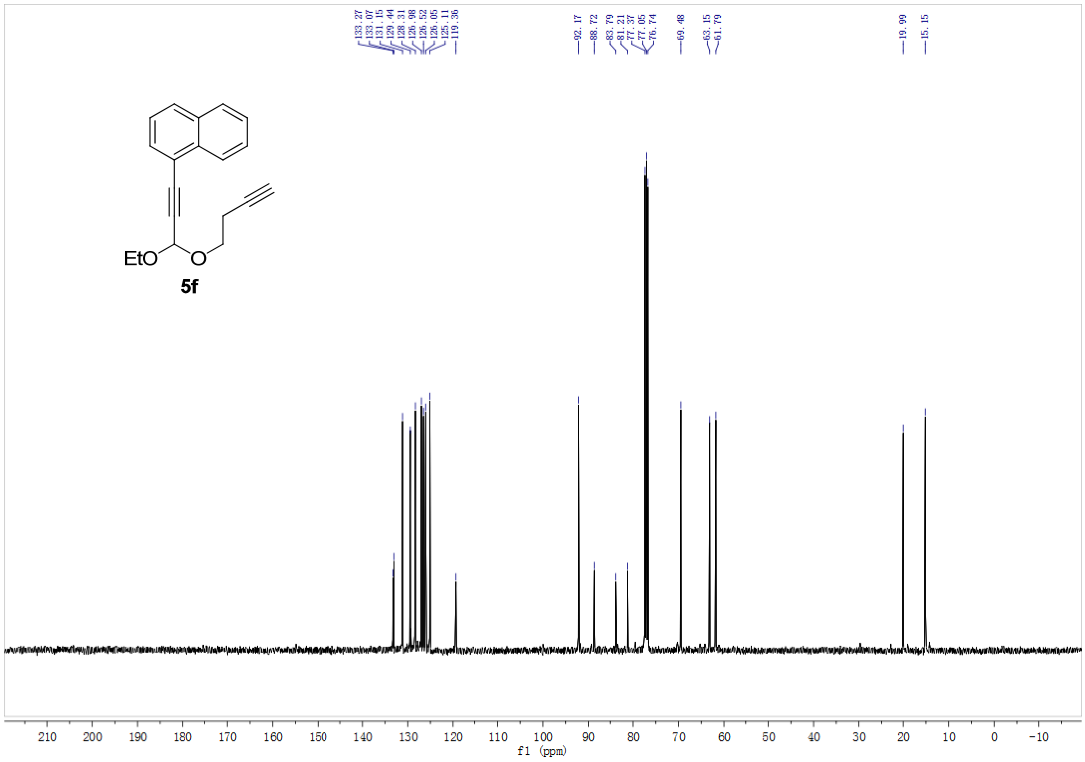
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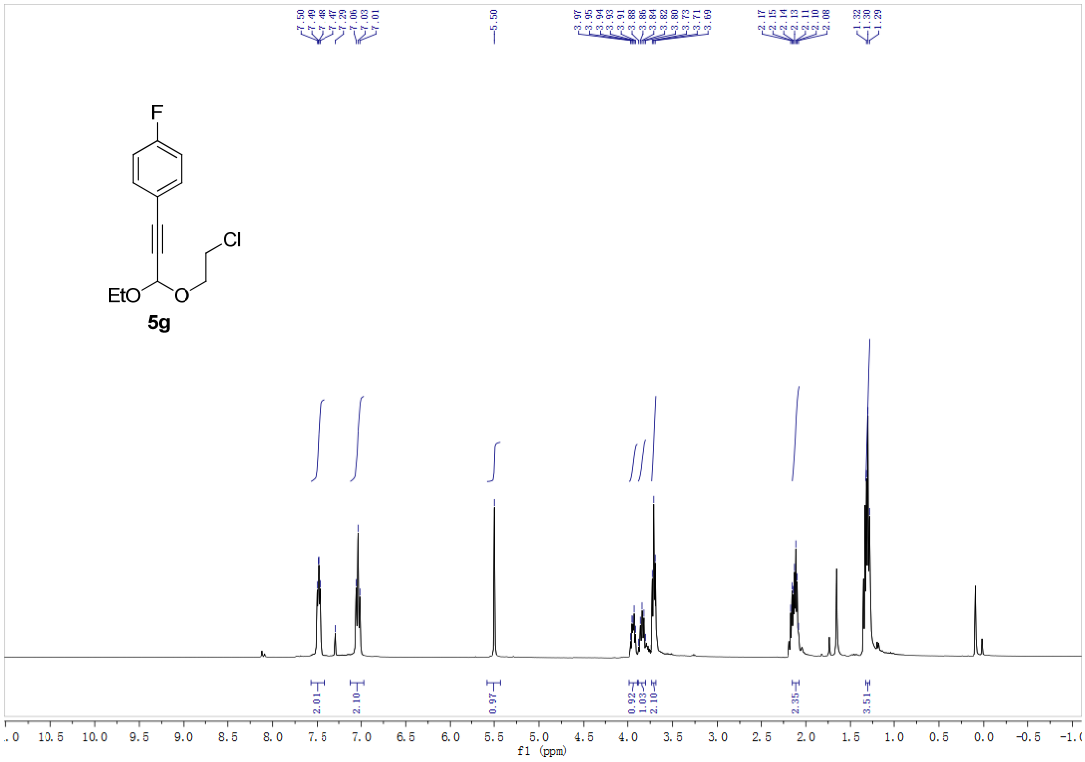
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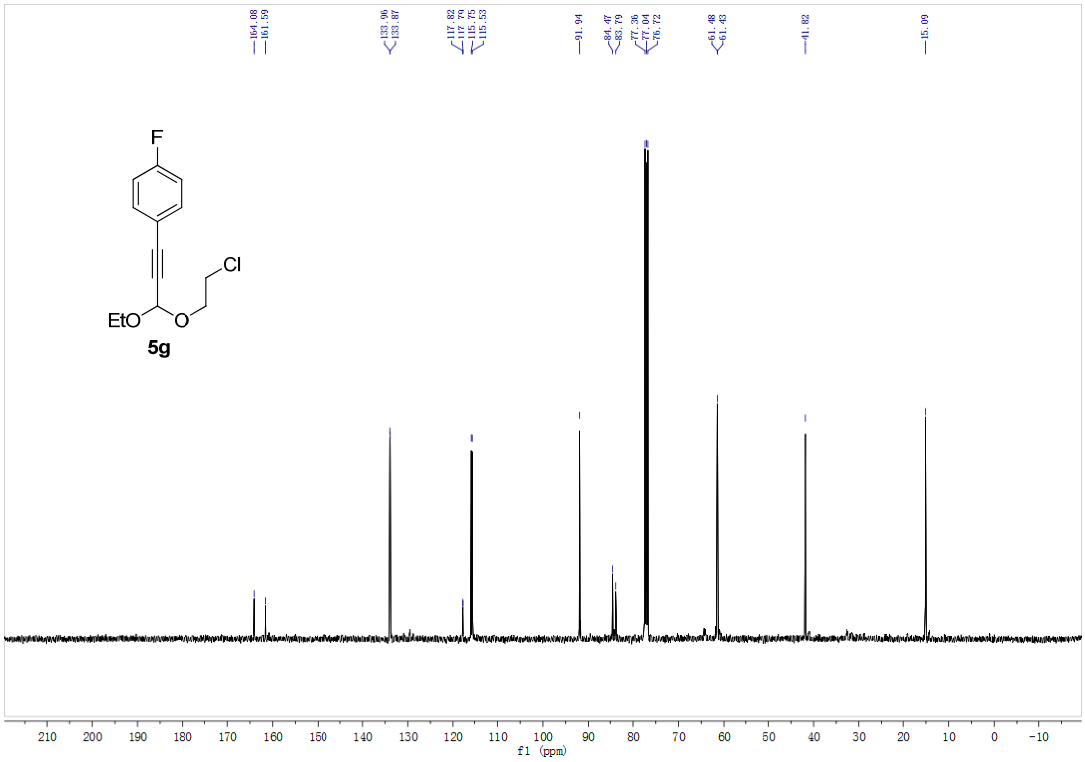
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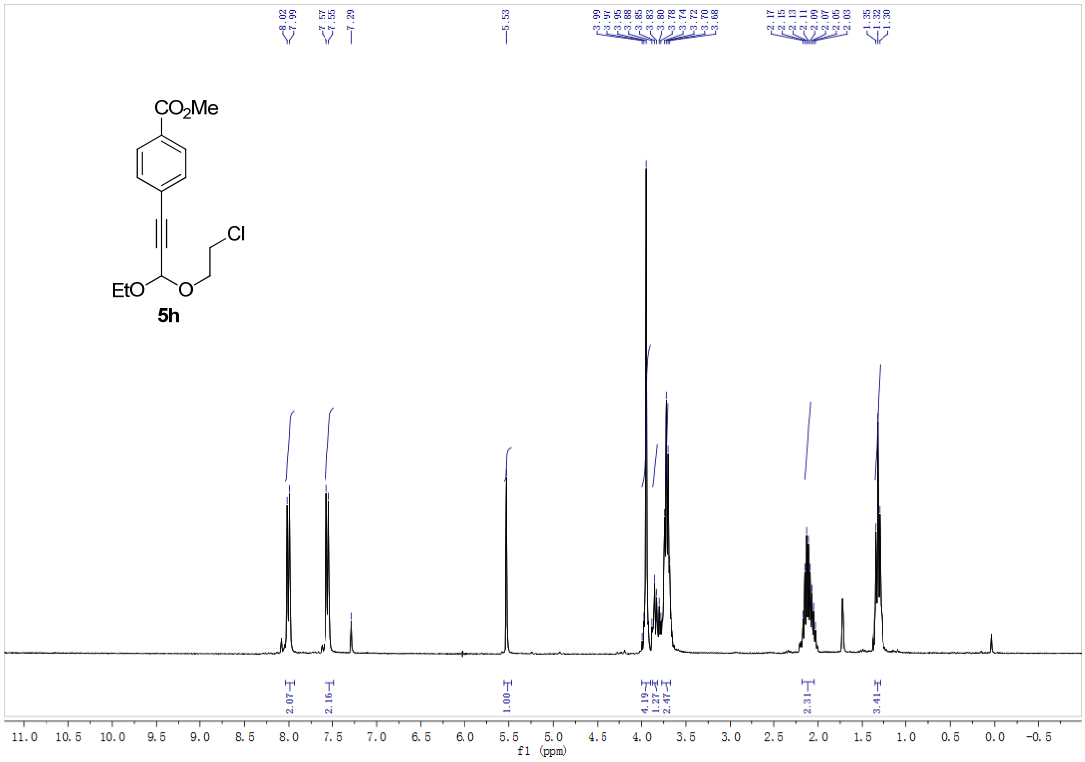
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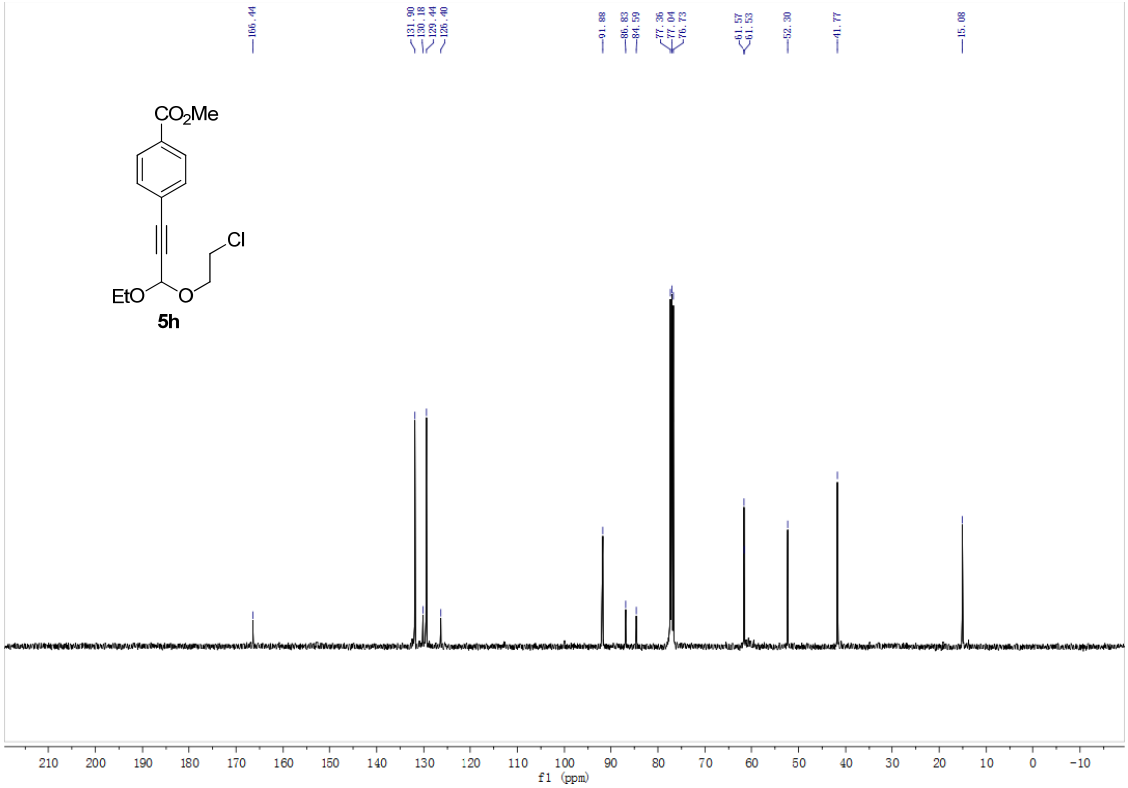
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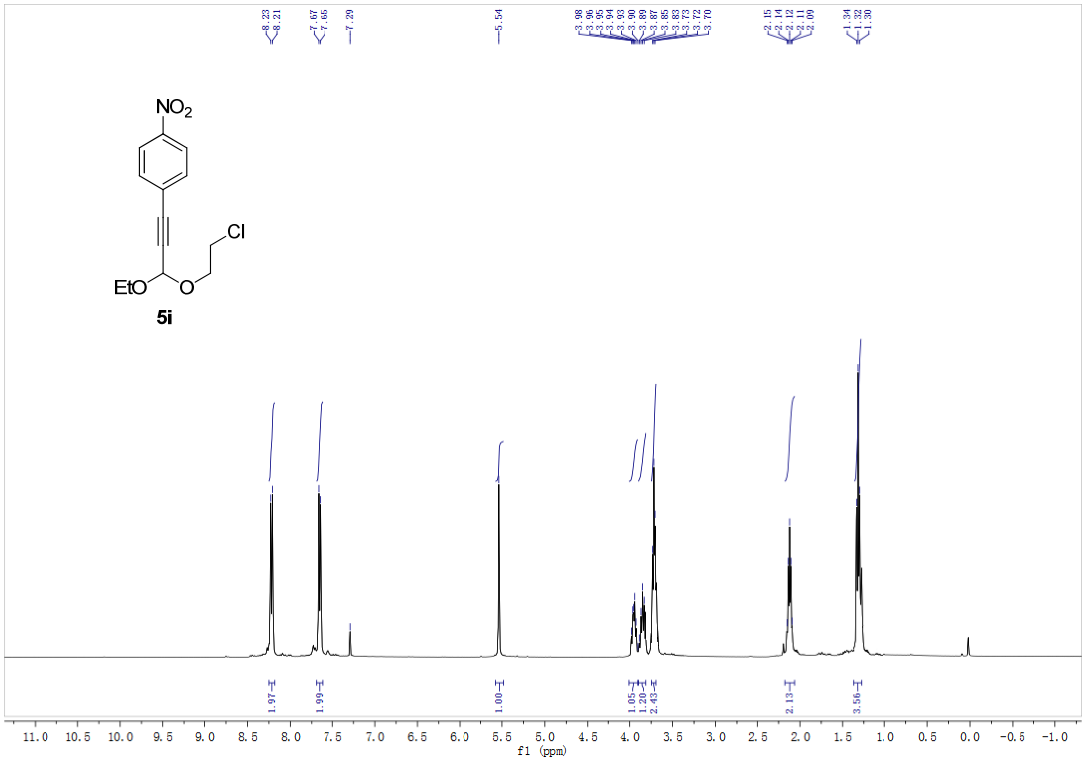
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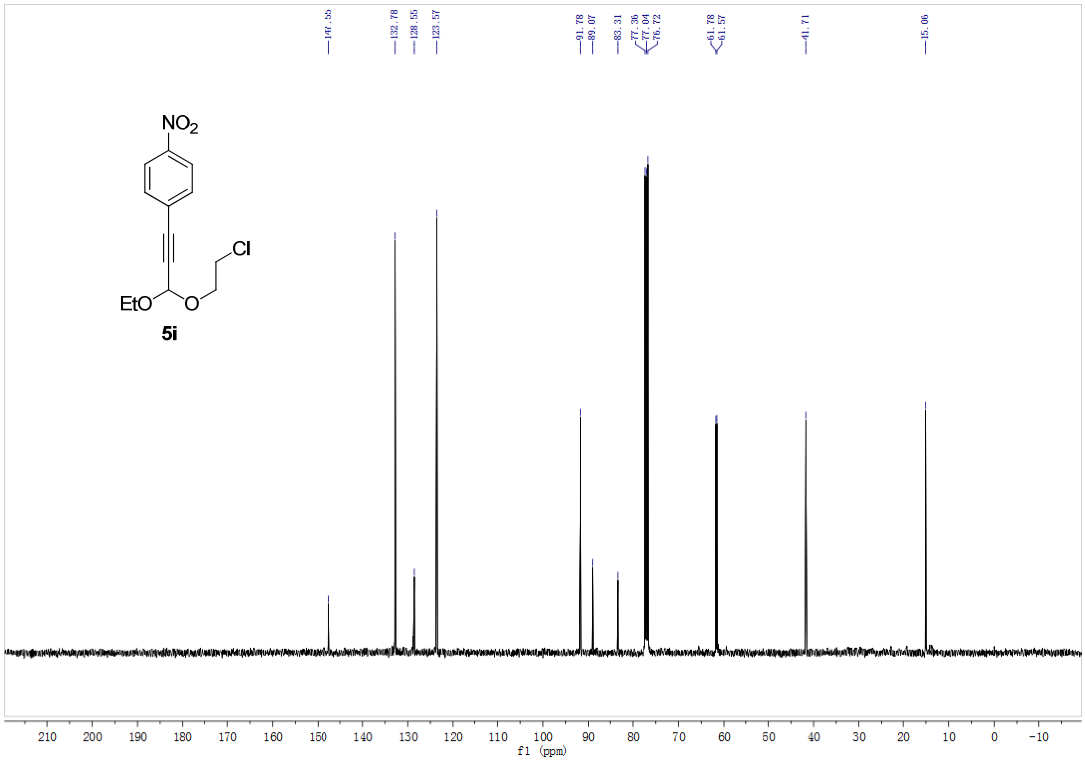
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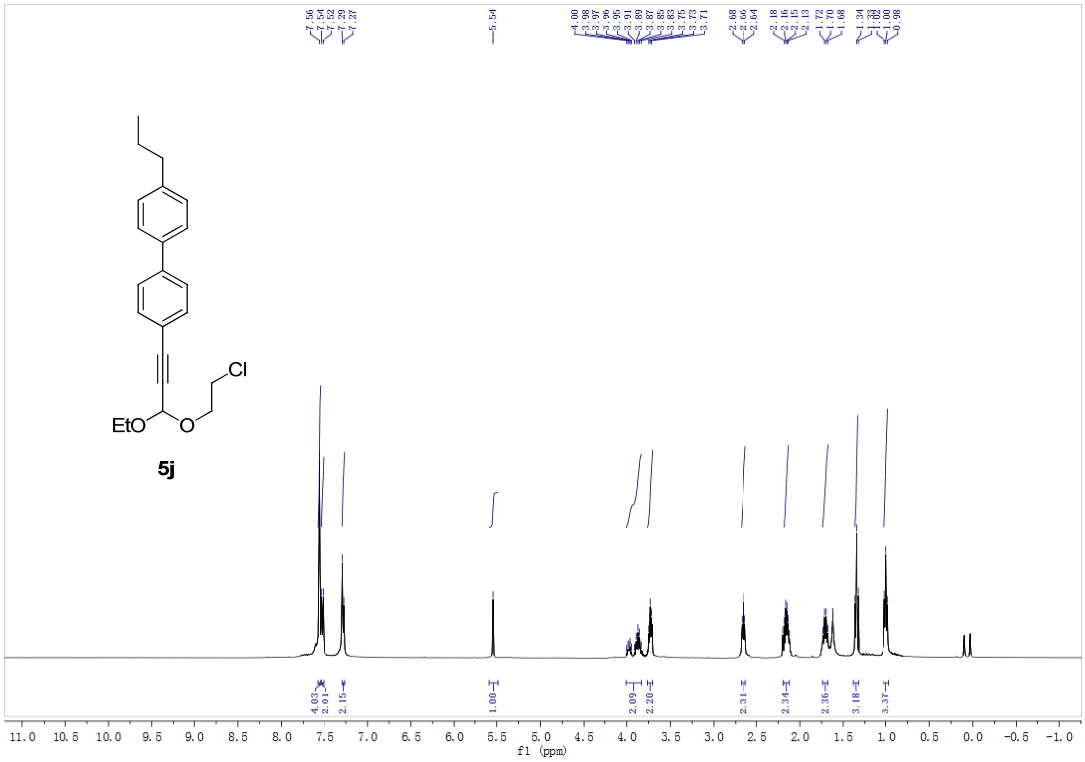
f1 (ppm)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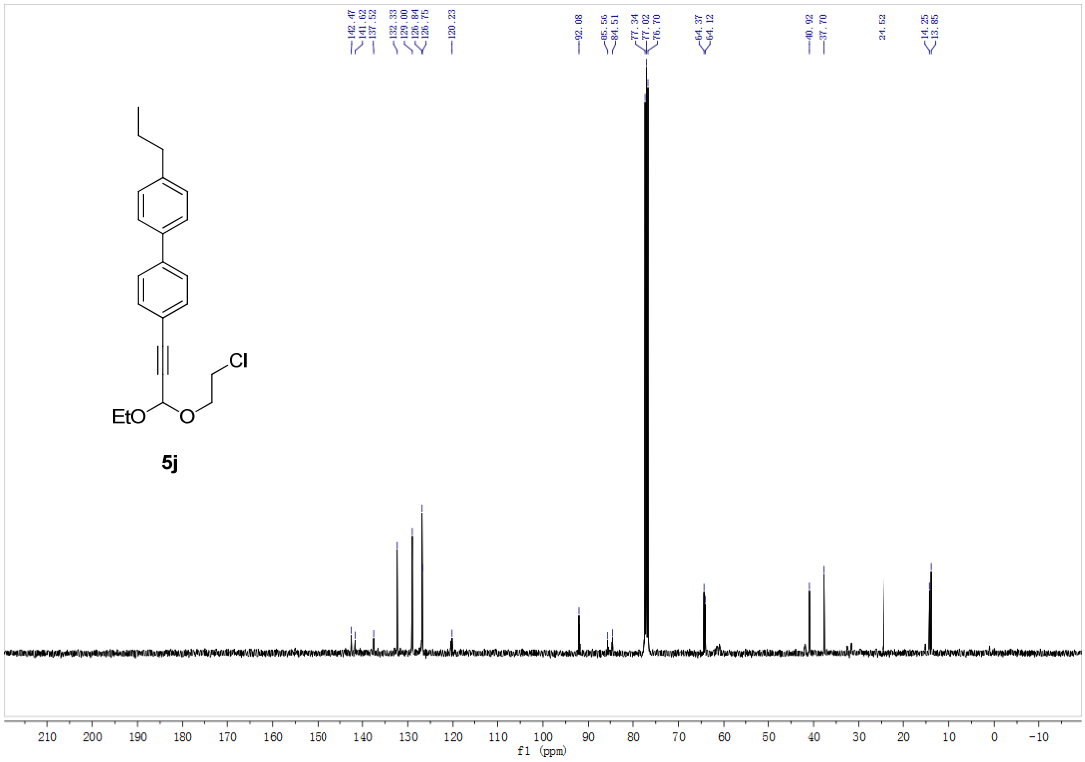
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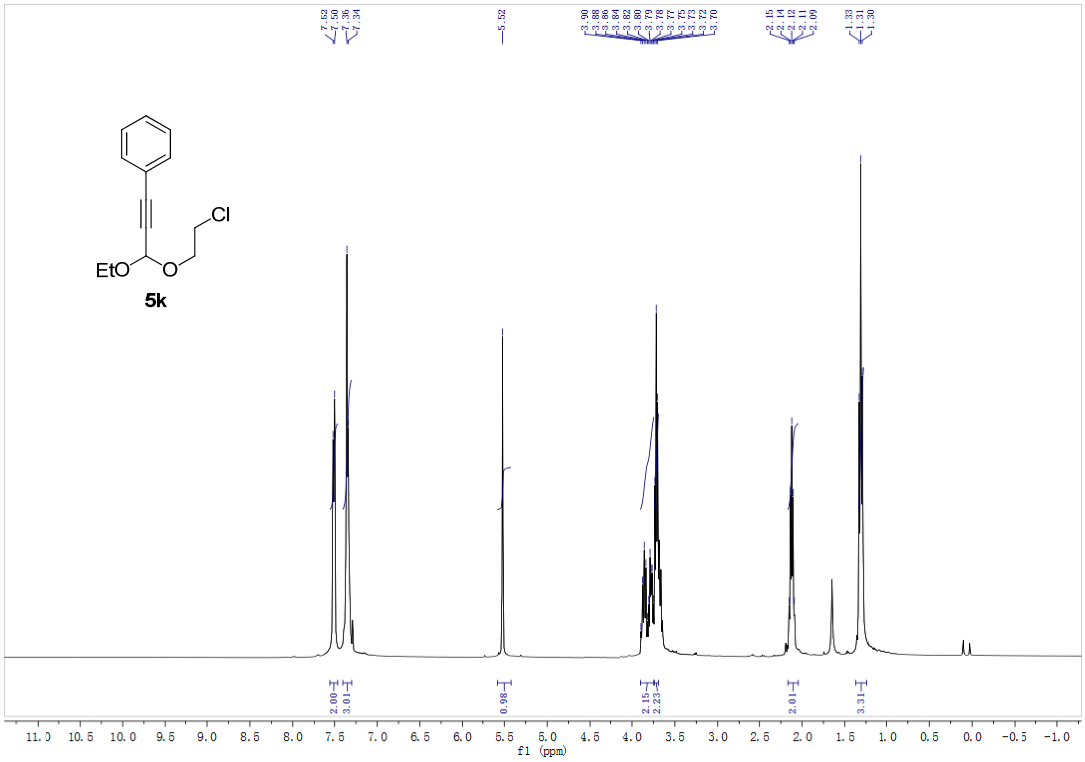
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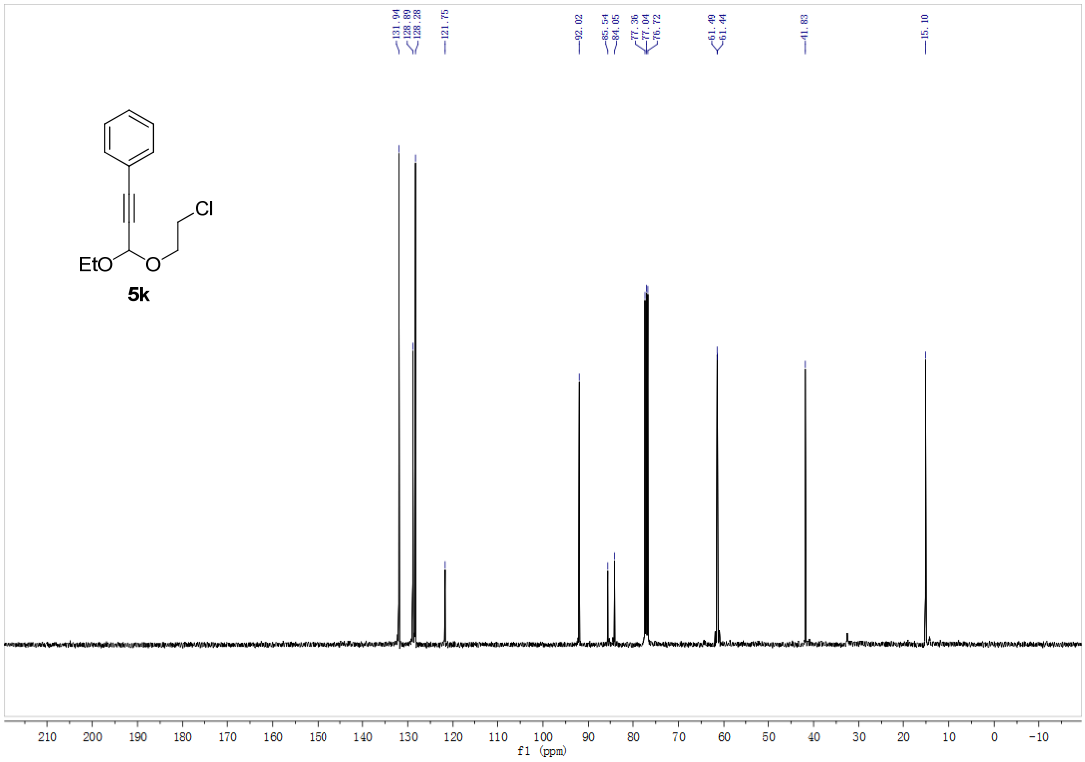
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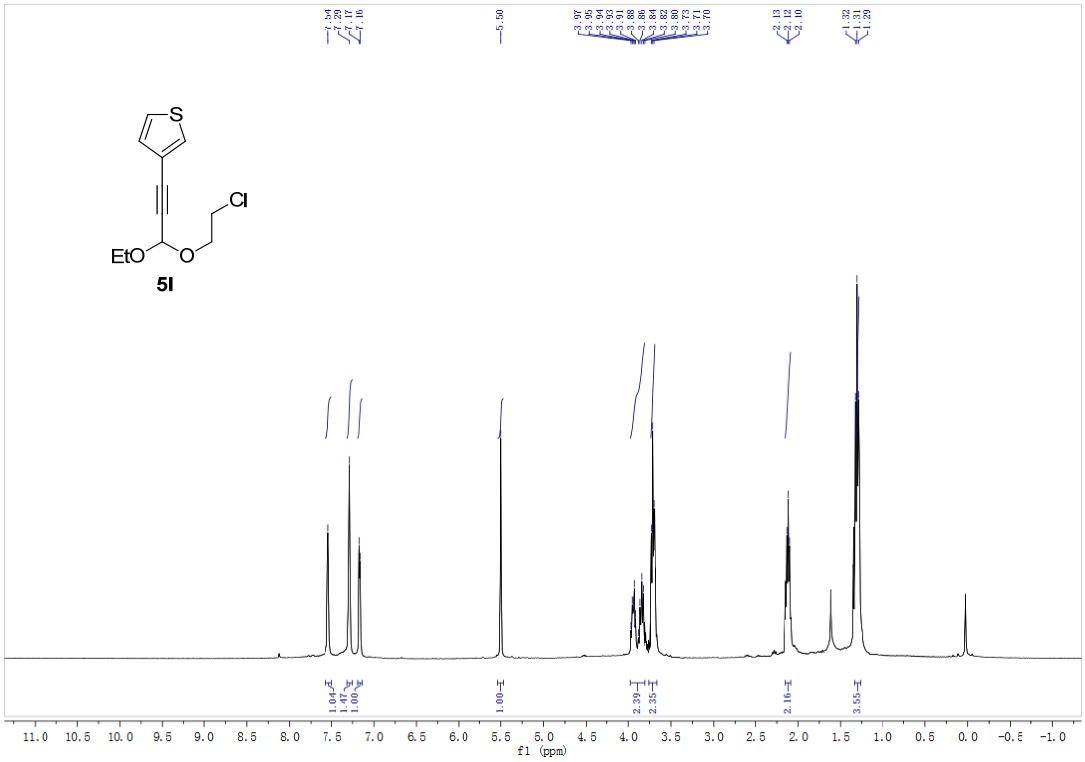
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EtO
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5l
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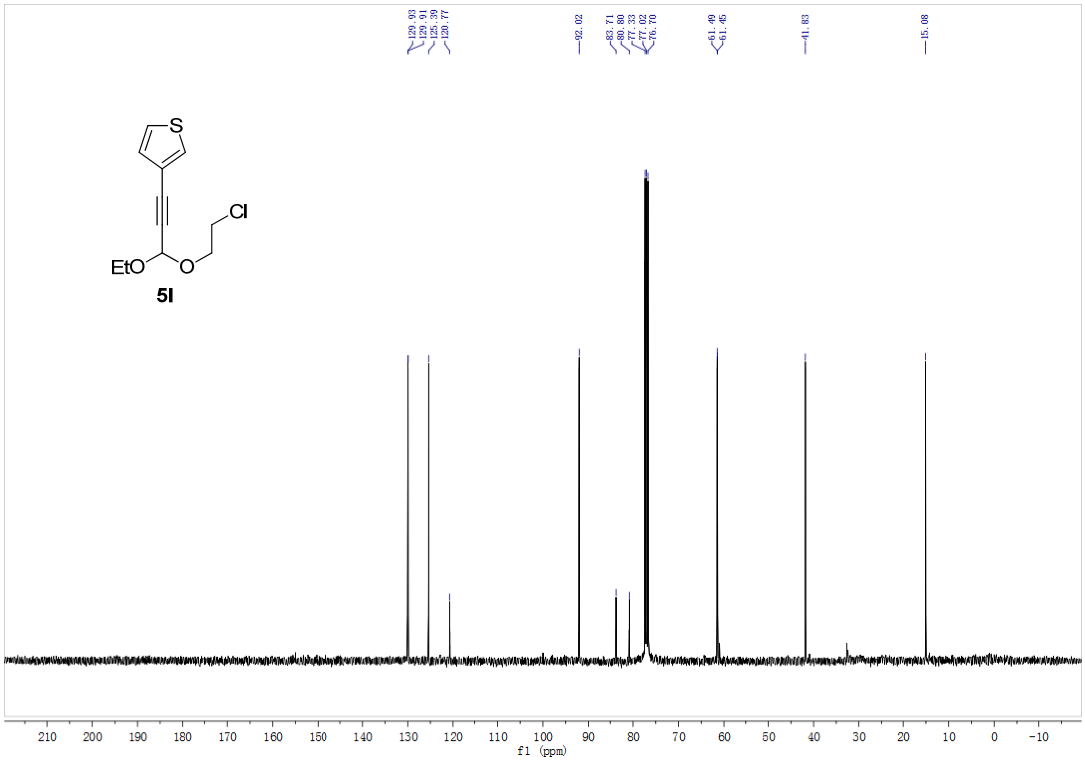
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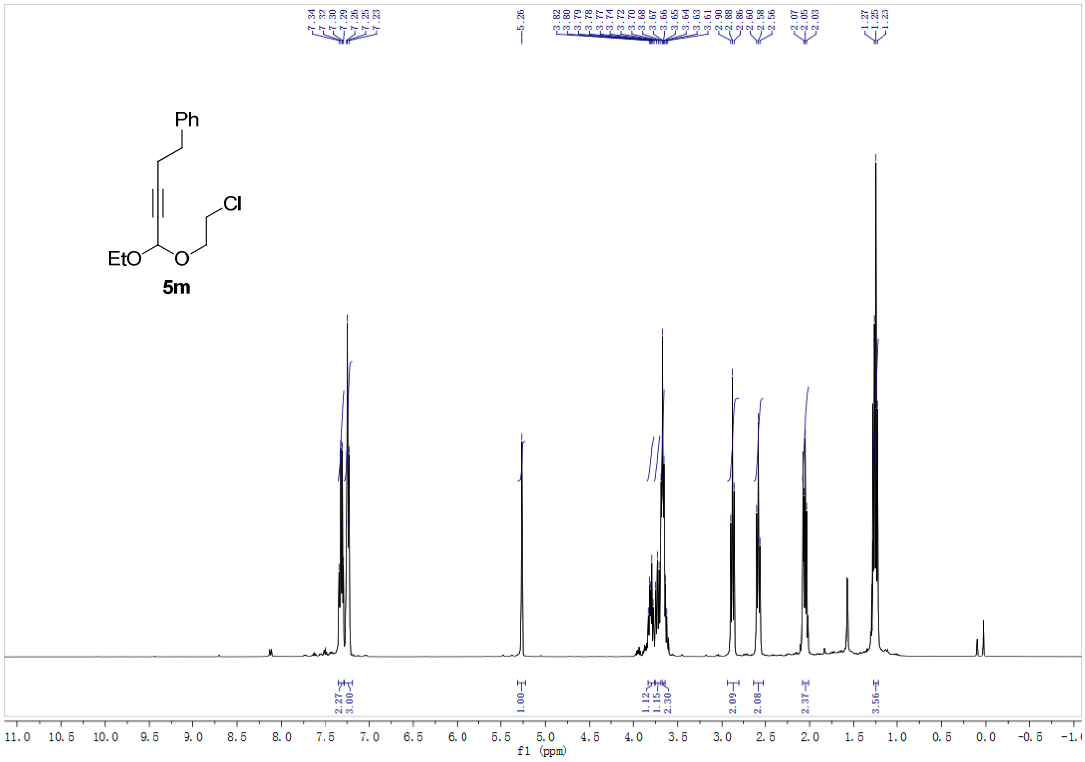
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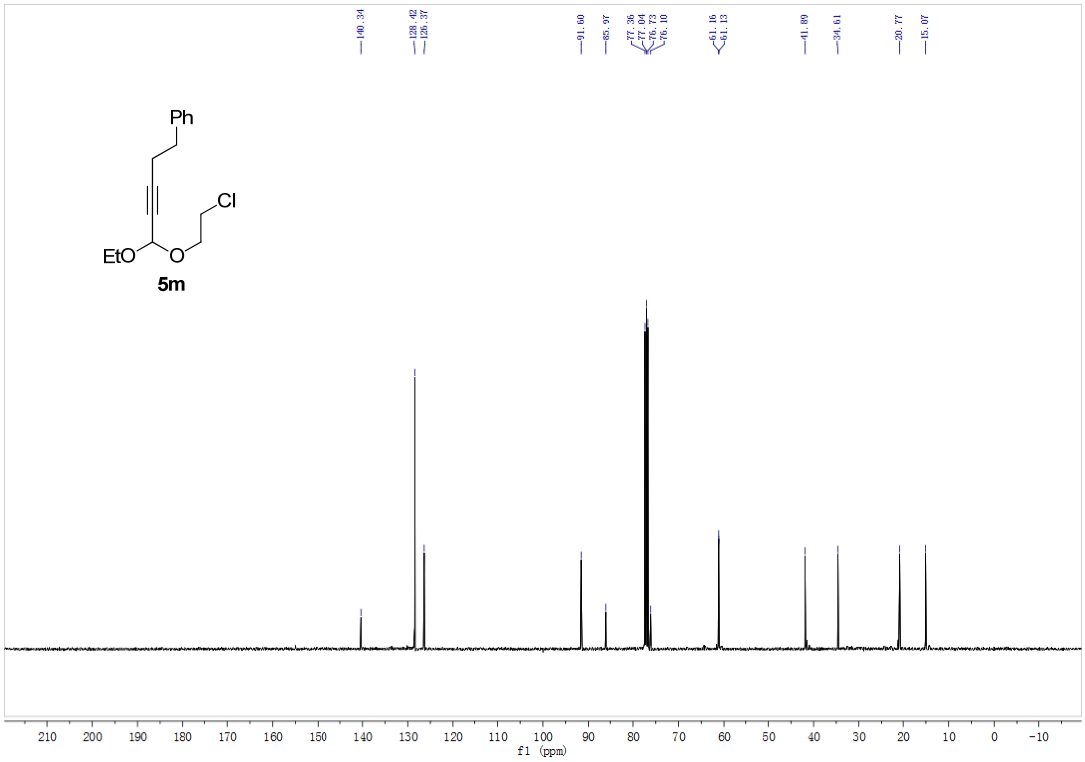
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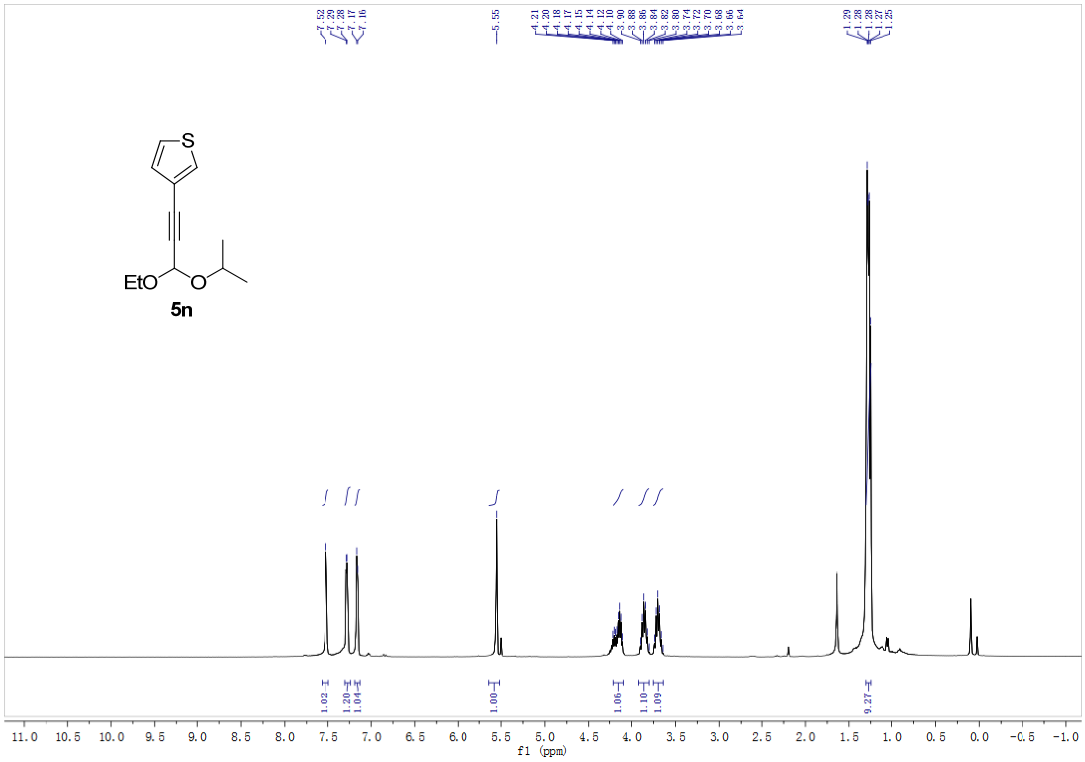
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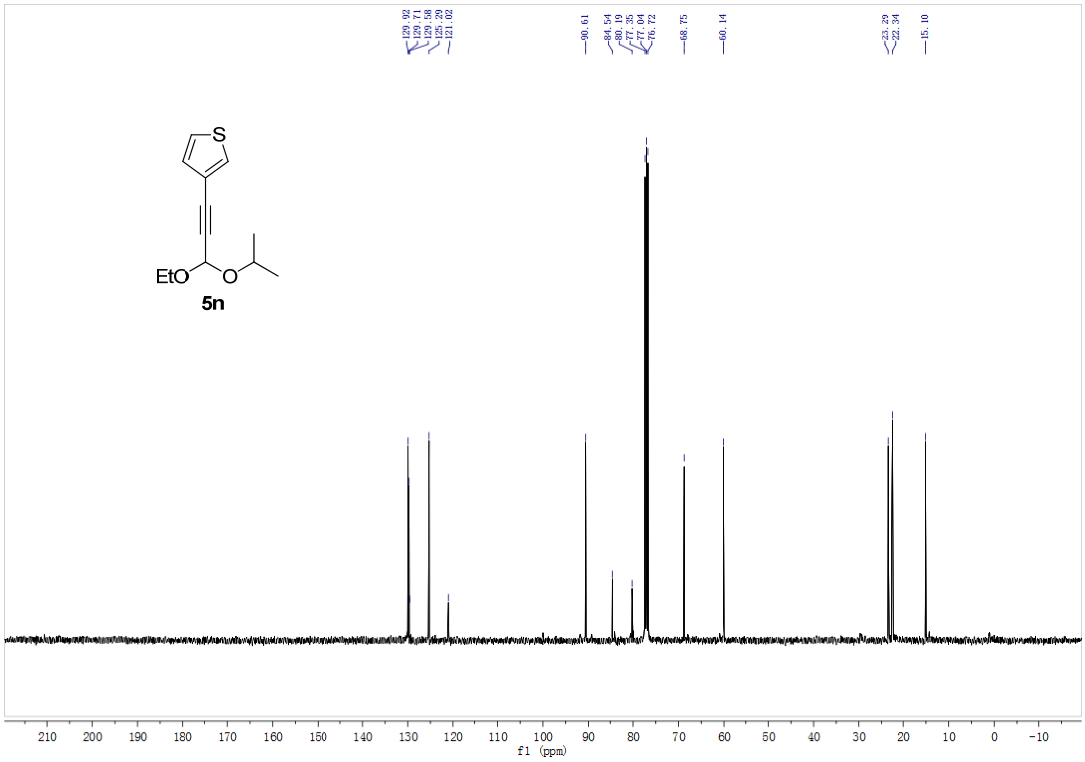
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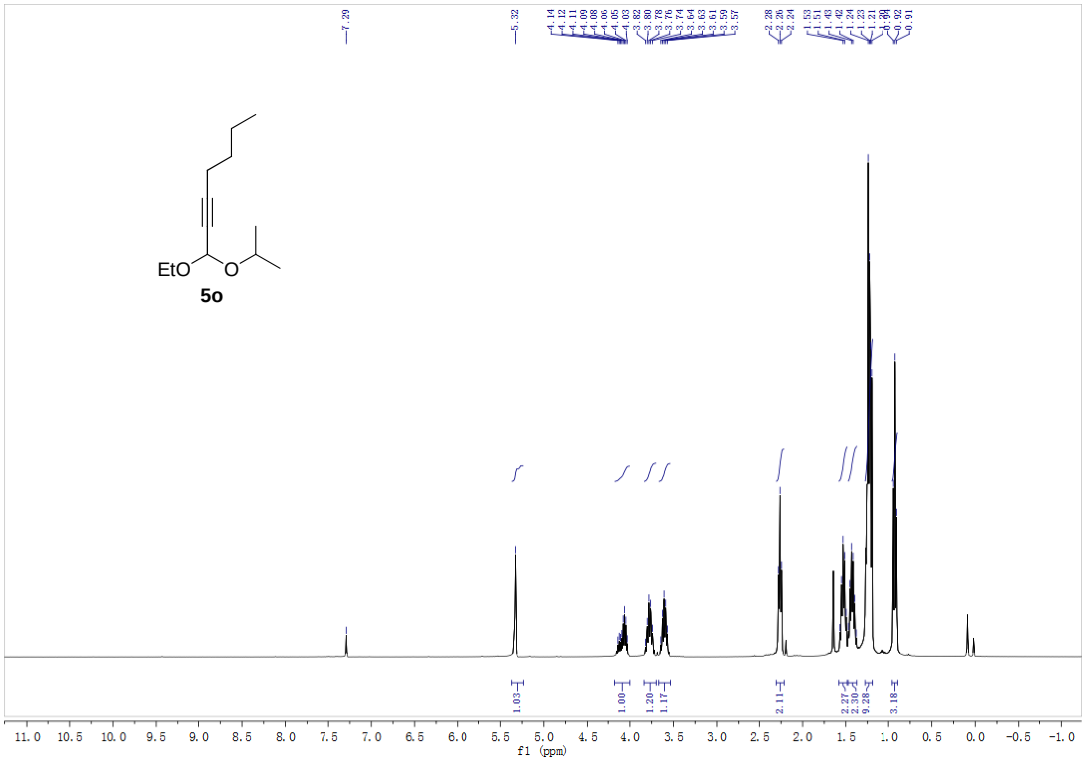
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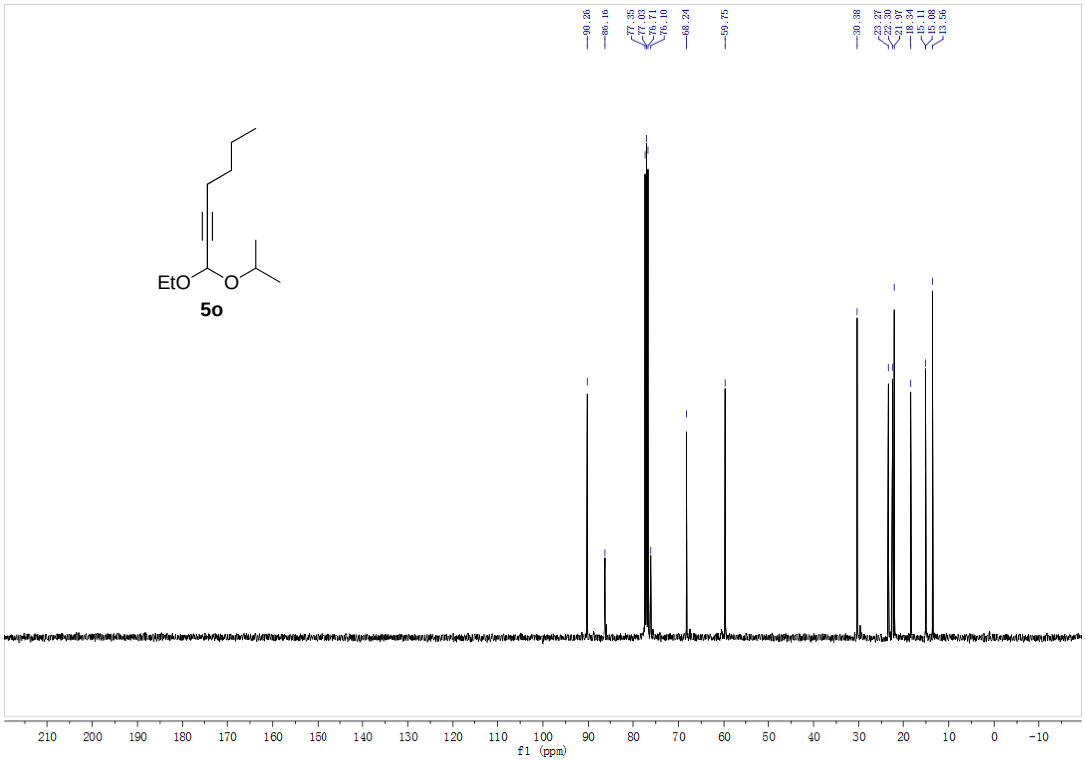
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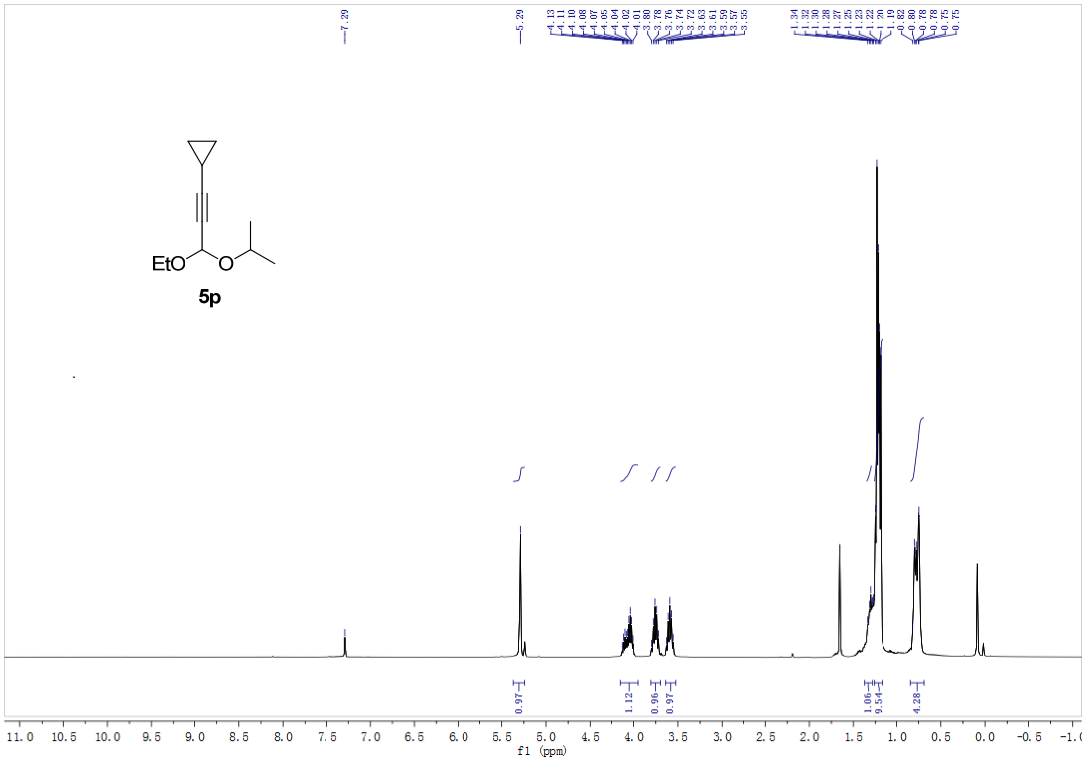
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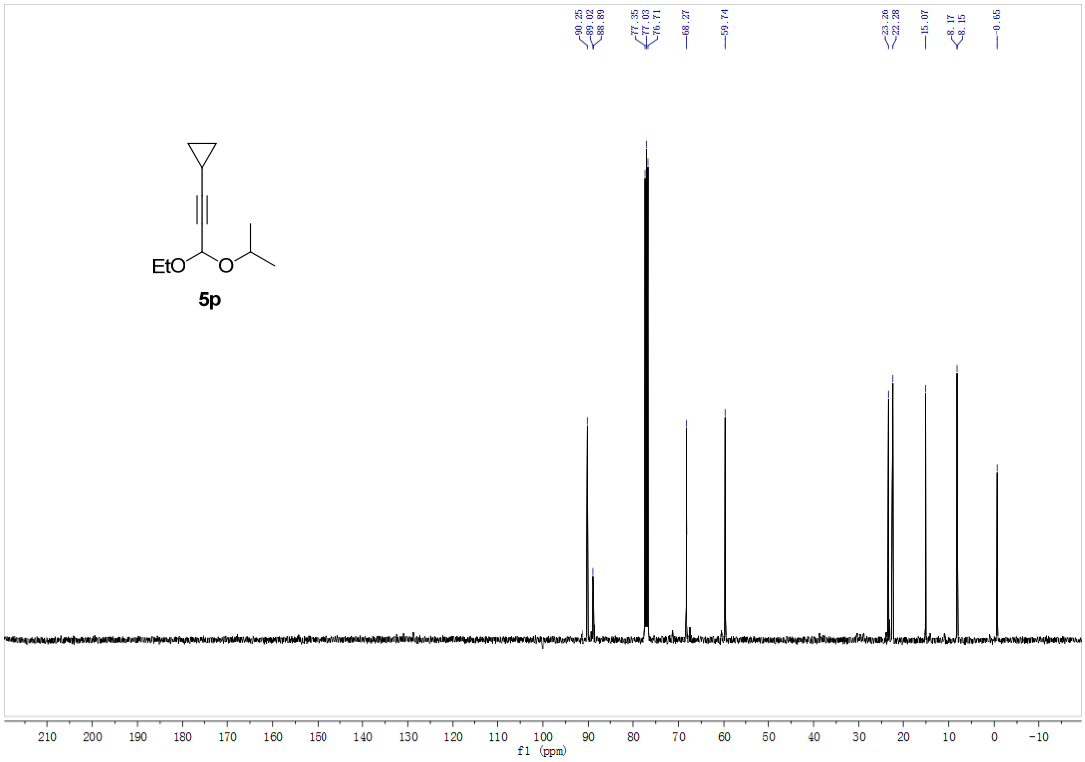
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