

Supporting Information

Synthesis of Ionic Liquid-supported Sulfonyl Azide and its Application in Diazotransfer Reaction

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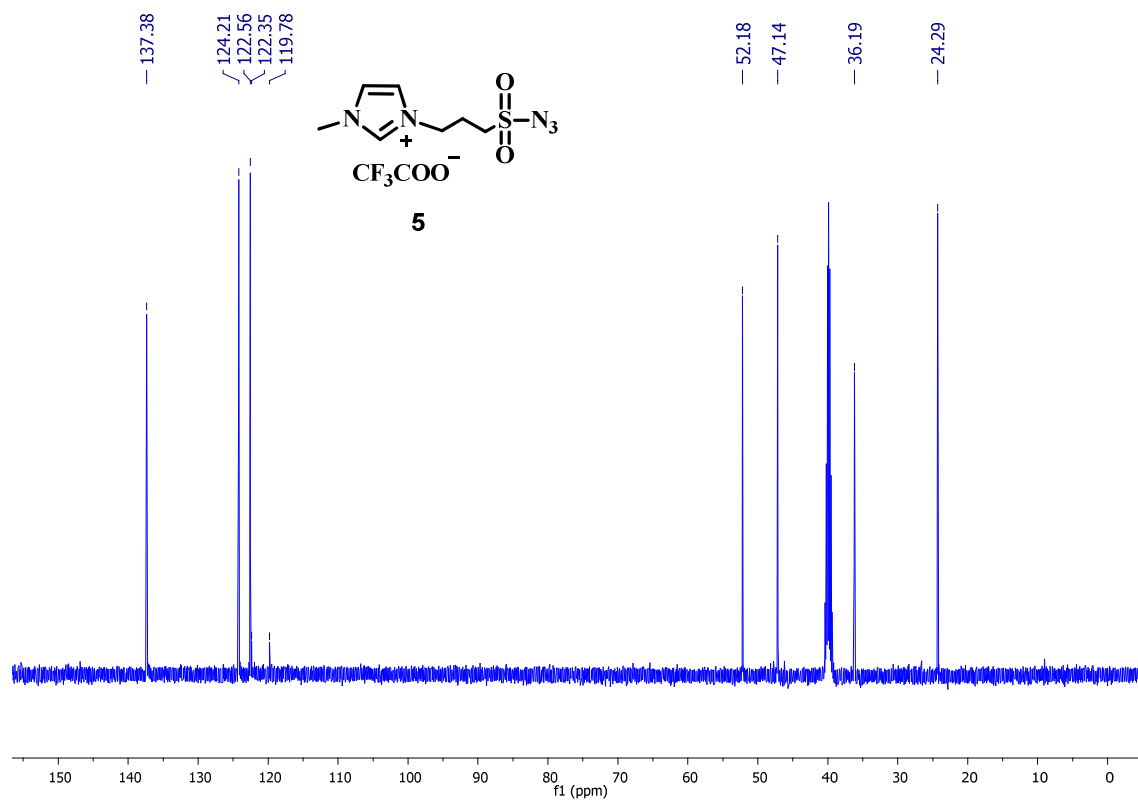
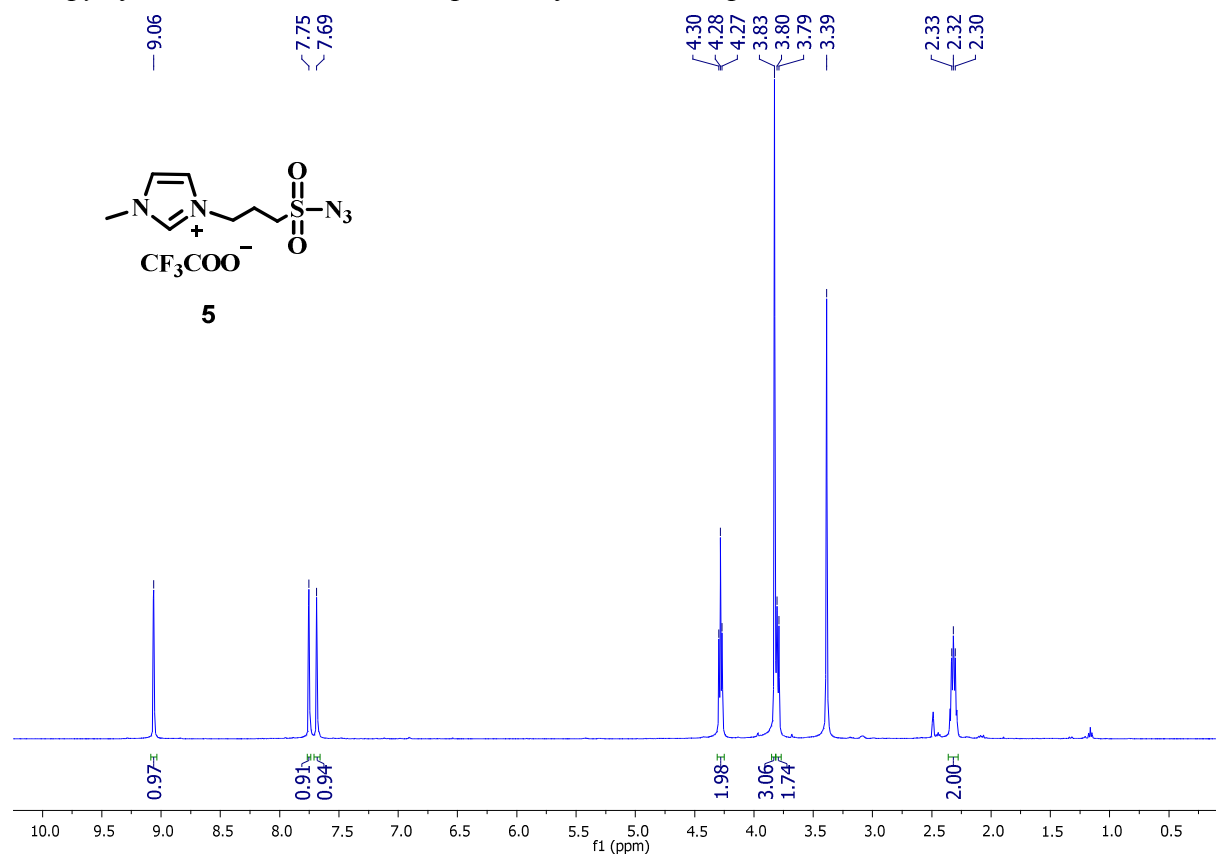
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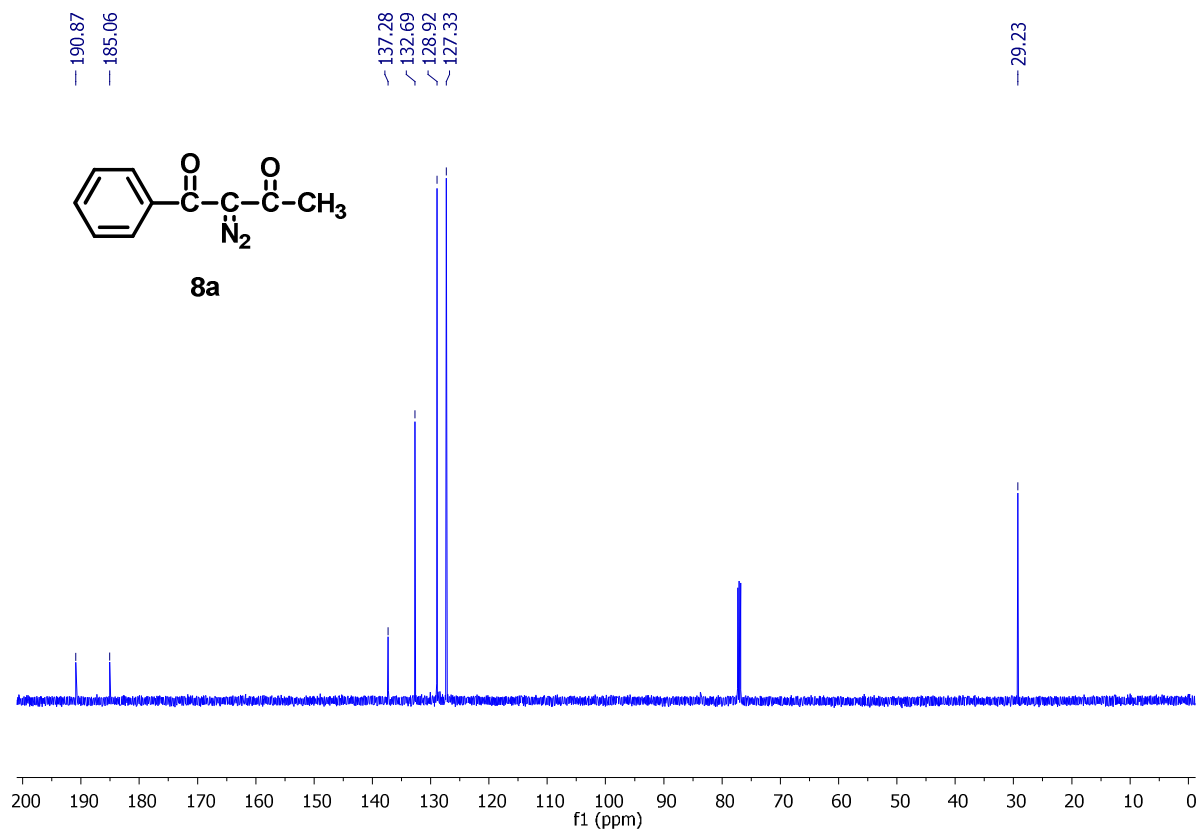
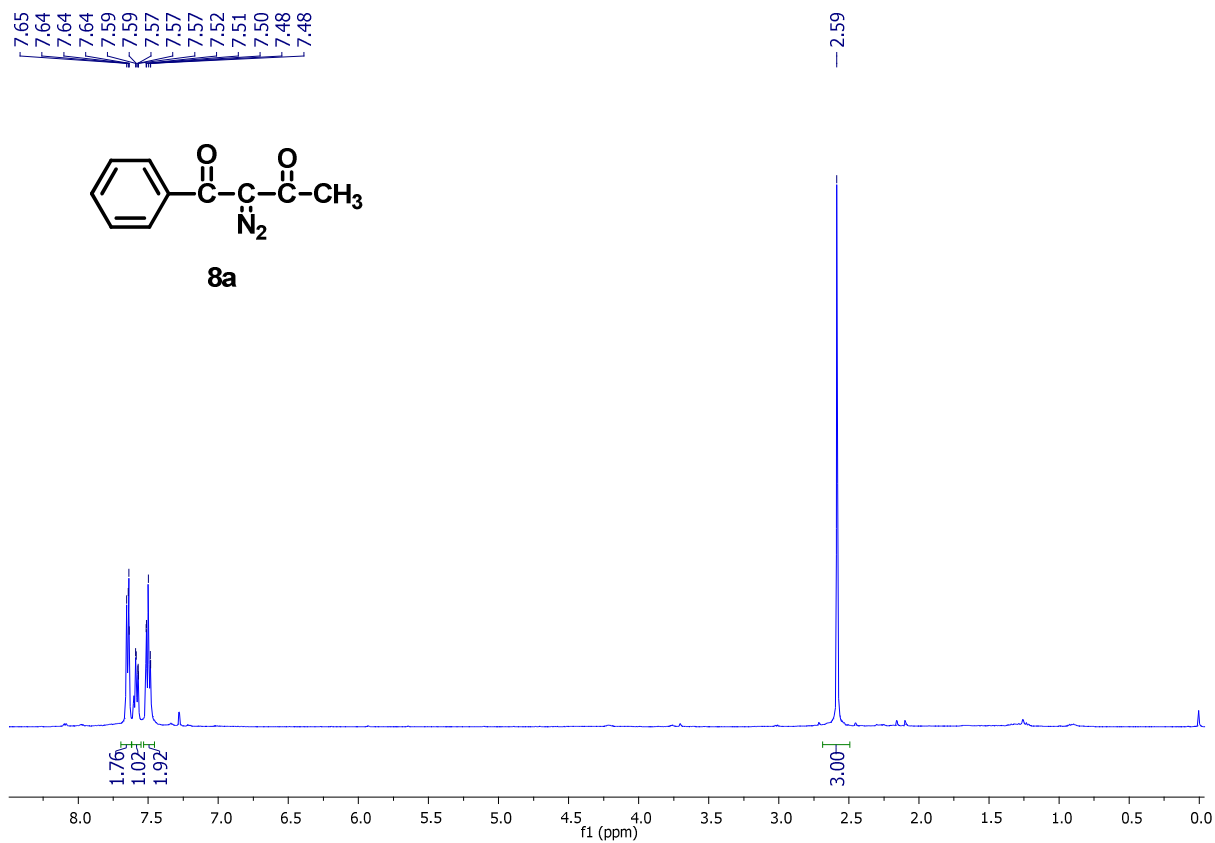
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|---|--------|
| 1. General | S2 |
| 2. Copy of ^1H NMR and ^{13}C NMR spectra of 5 and 8a-p | S3-S19 |

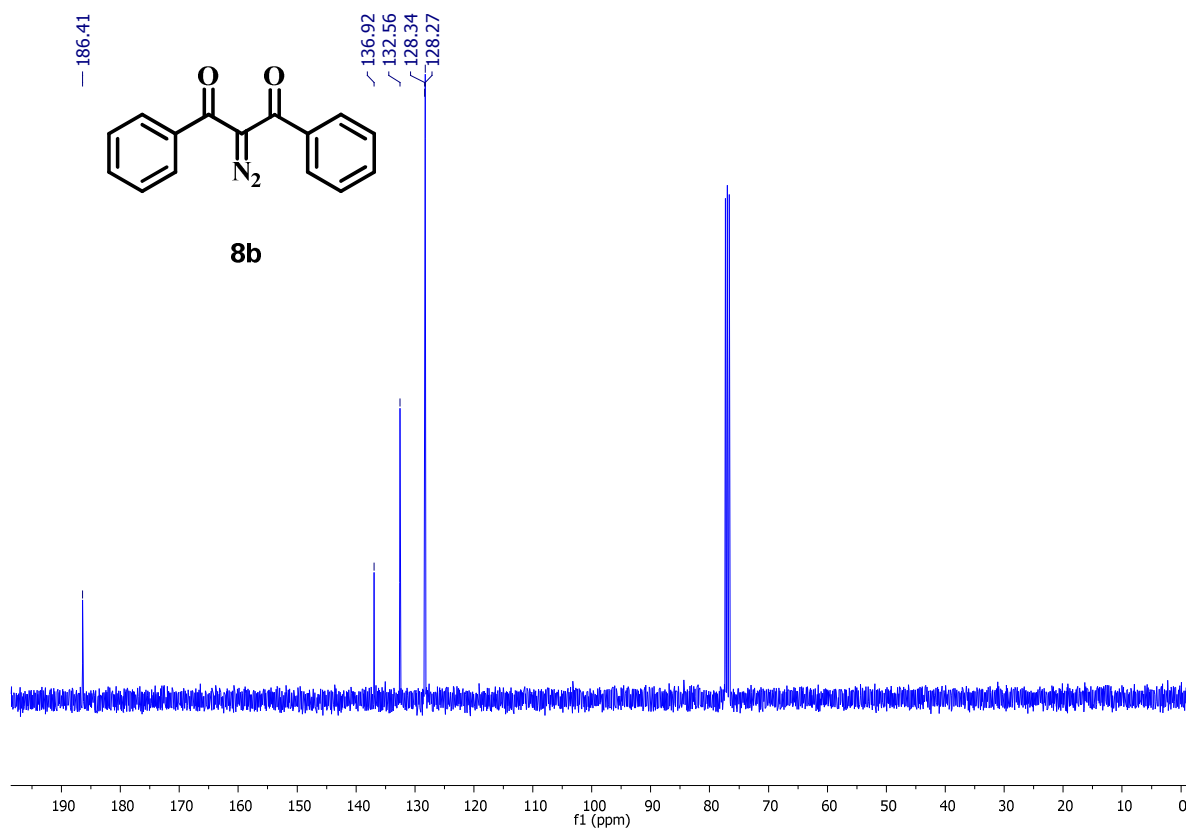
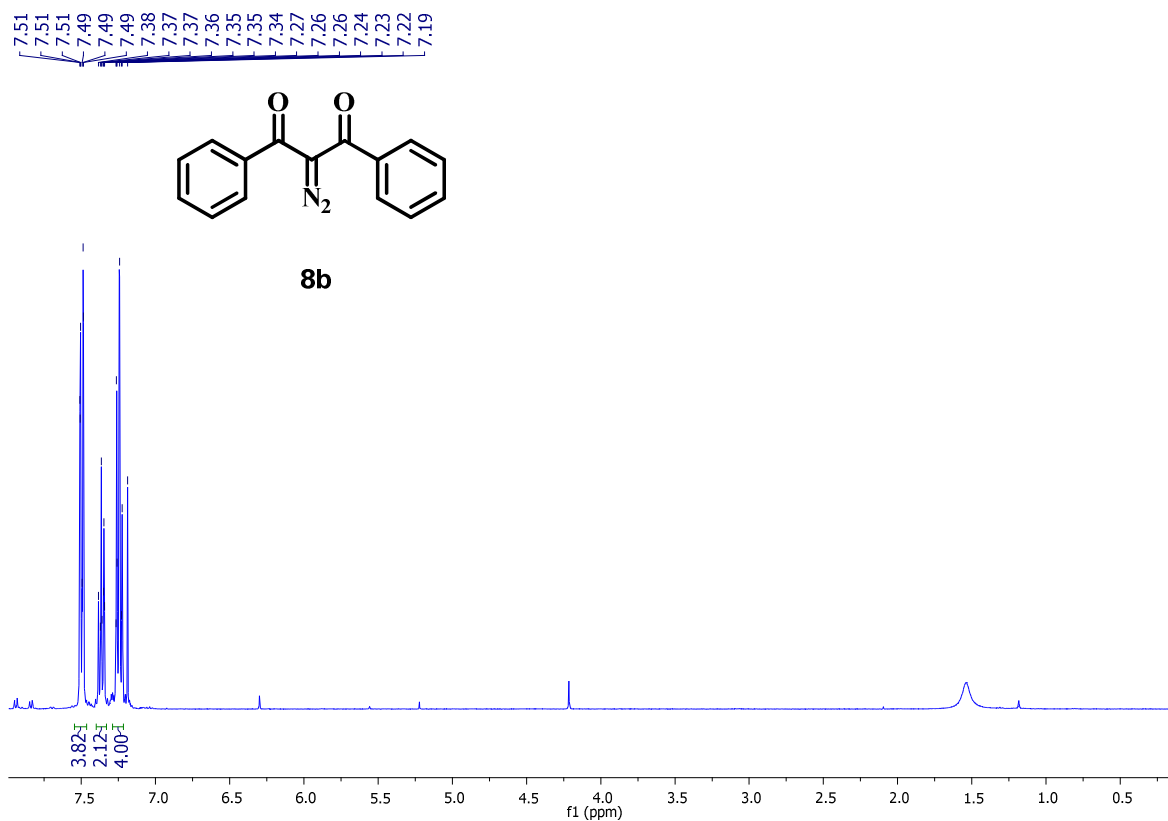
1. General

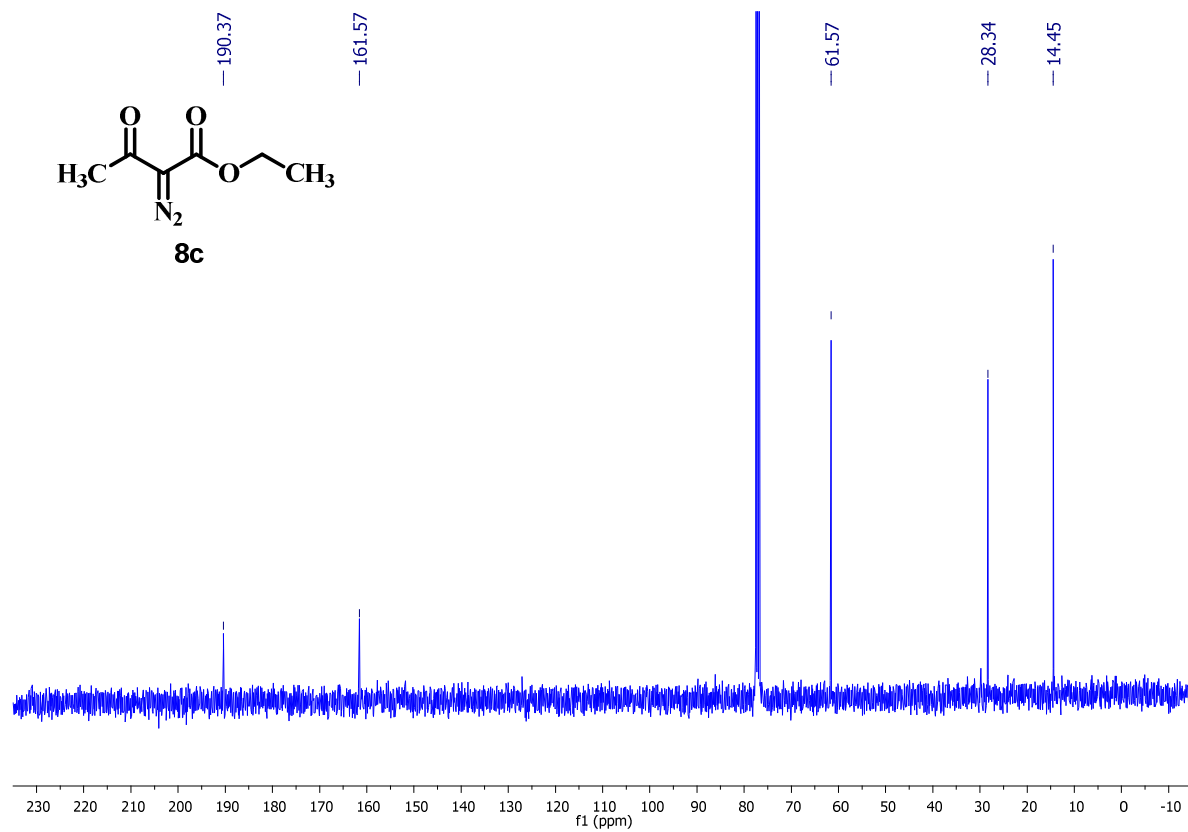
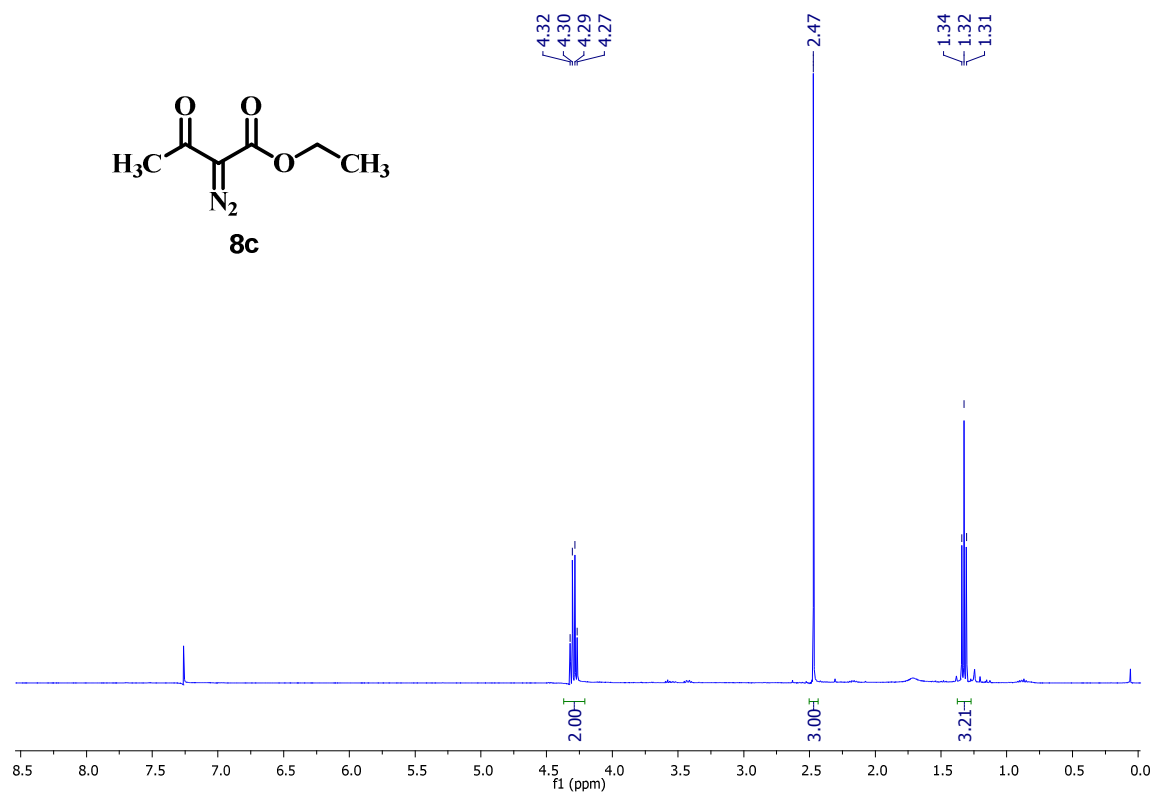
NMR spectra were recorded on 400 MHz and 500 MHz spectrometers using CDCl₃ and DMSO-*d*₆ as solvents. The chemical shifts were expressed in ppm. The purity of the products was determined on silica-coated aluminum plates. The mass spectra were recorded on qTOF mass spectrometer in ESI mode. IR spectra were recorded with KBr. Melting points were determined on open capillary tube and are uncorrected. 1-Methylimidazole, trifluoromethanesulfonic acids, other reagents and solvents were purchased from commercial sources and used without further purification unless otherwise specified.

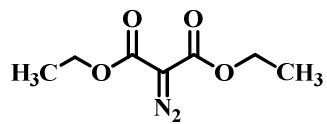
2. Copy of ^1H NMR and ^{13}C NMR spectra of 11 and 14a-p







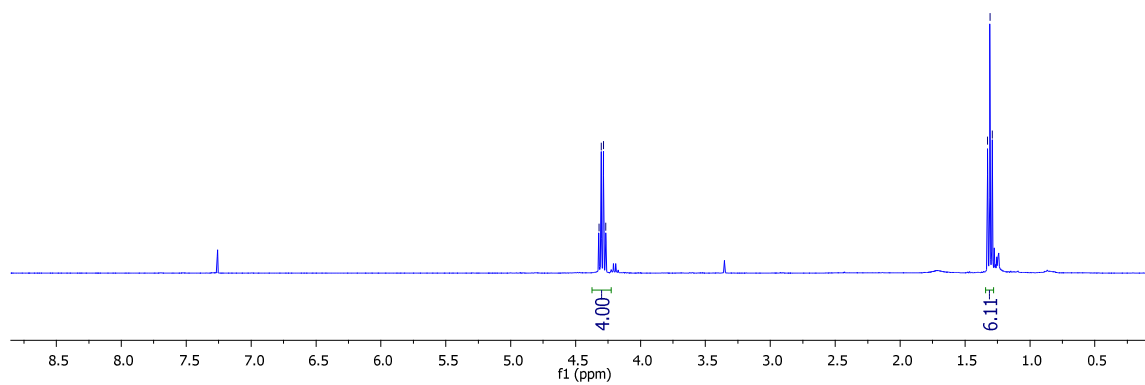




8d

4.32
4.30
4.29
4.27

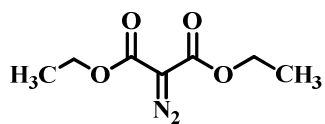
1.33
1.31
1.29



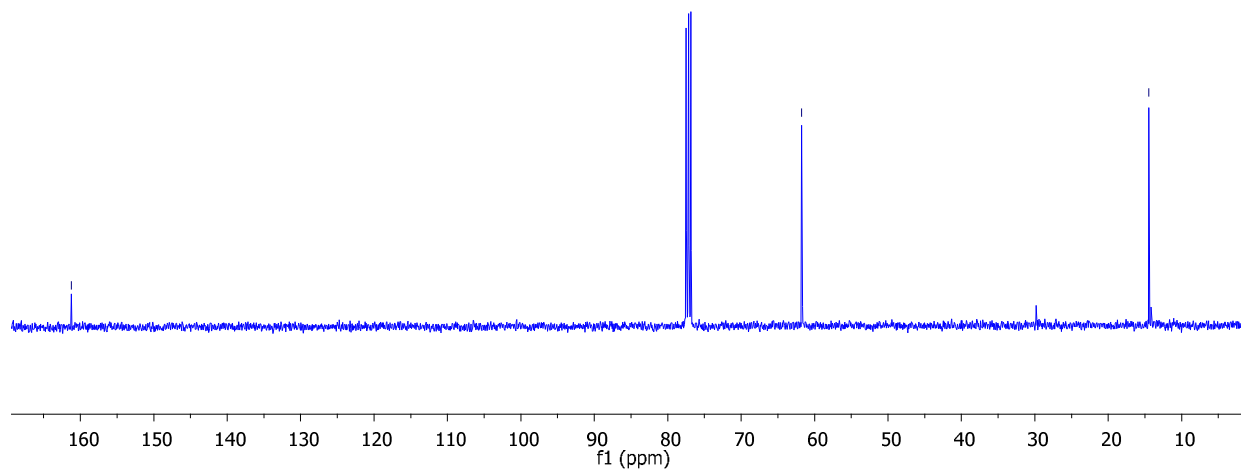
— 161.23

— 61.75

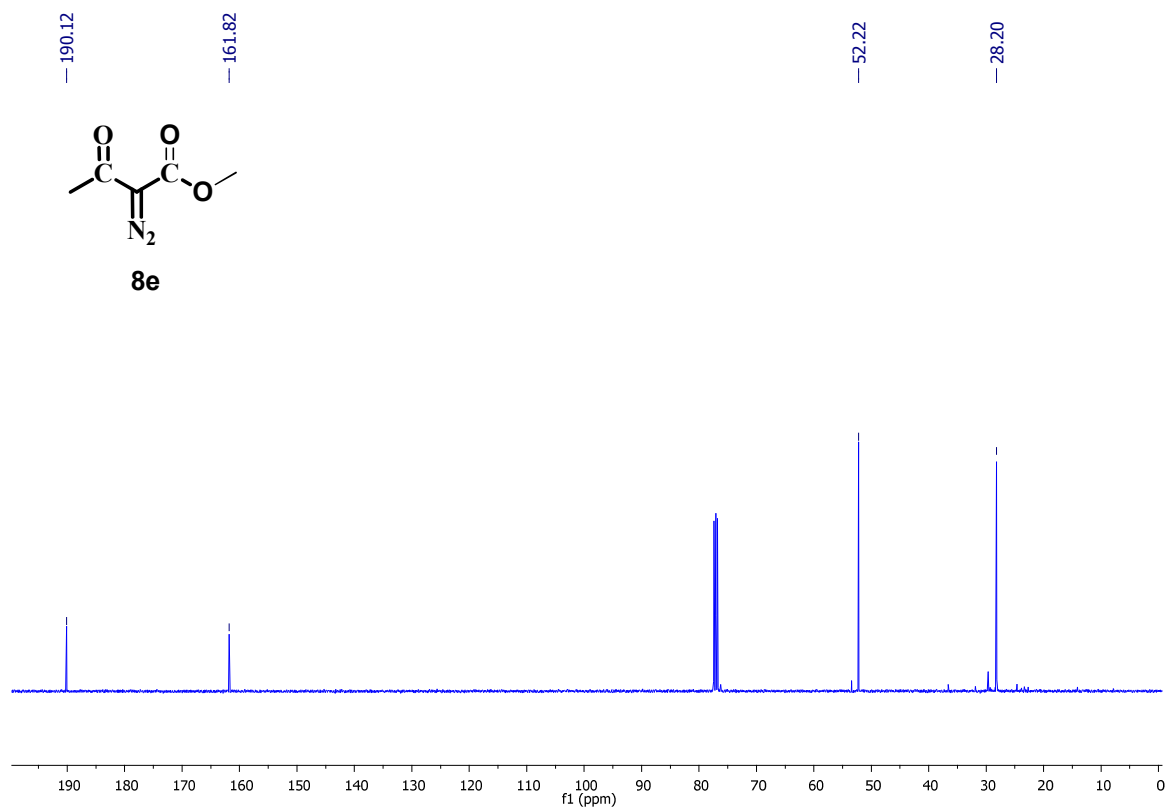
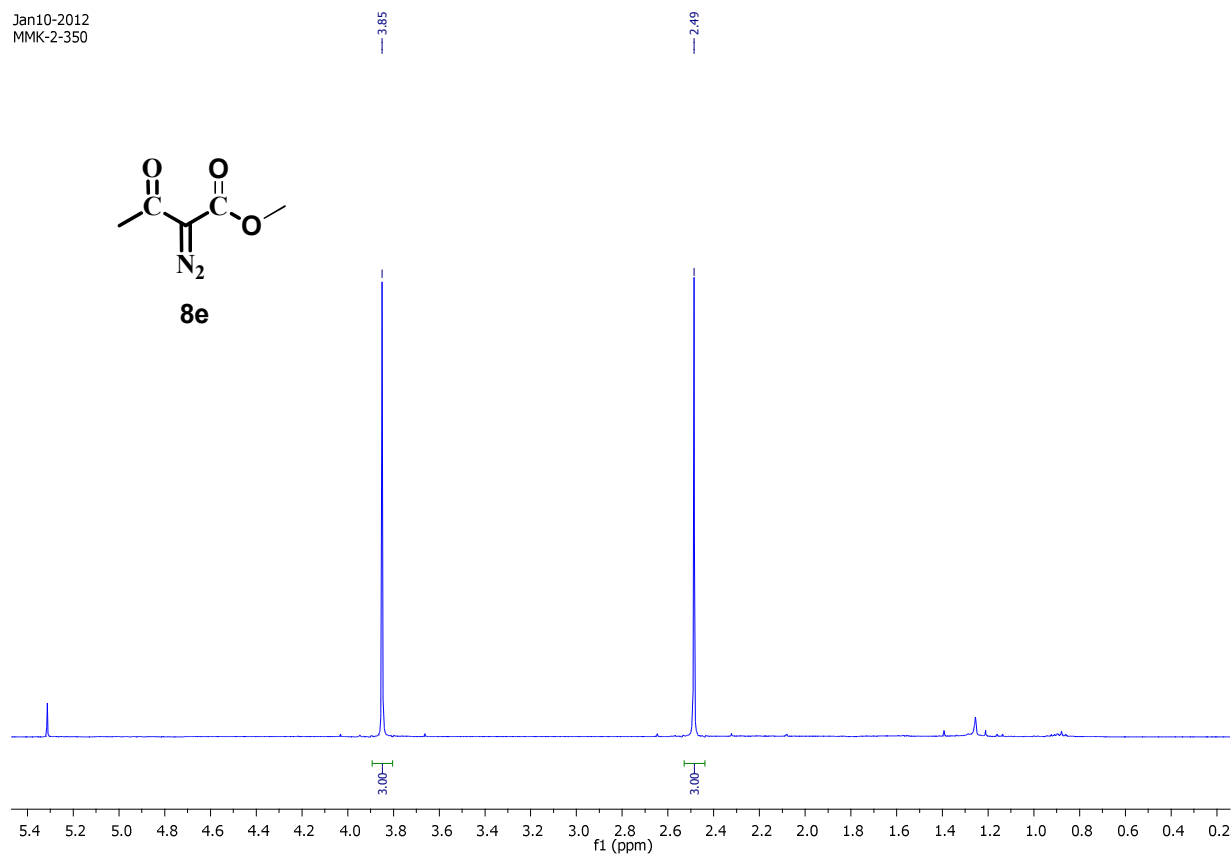
— 14.46

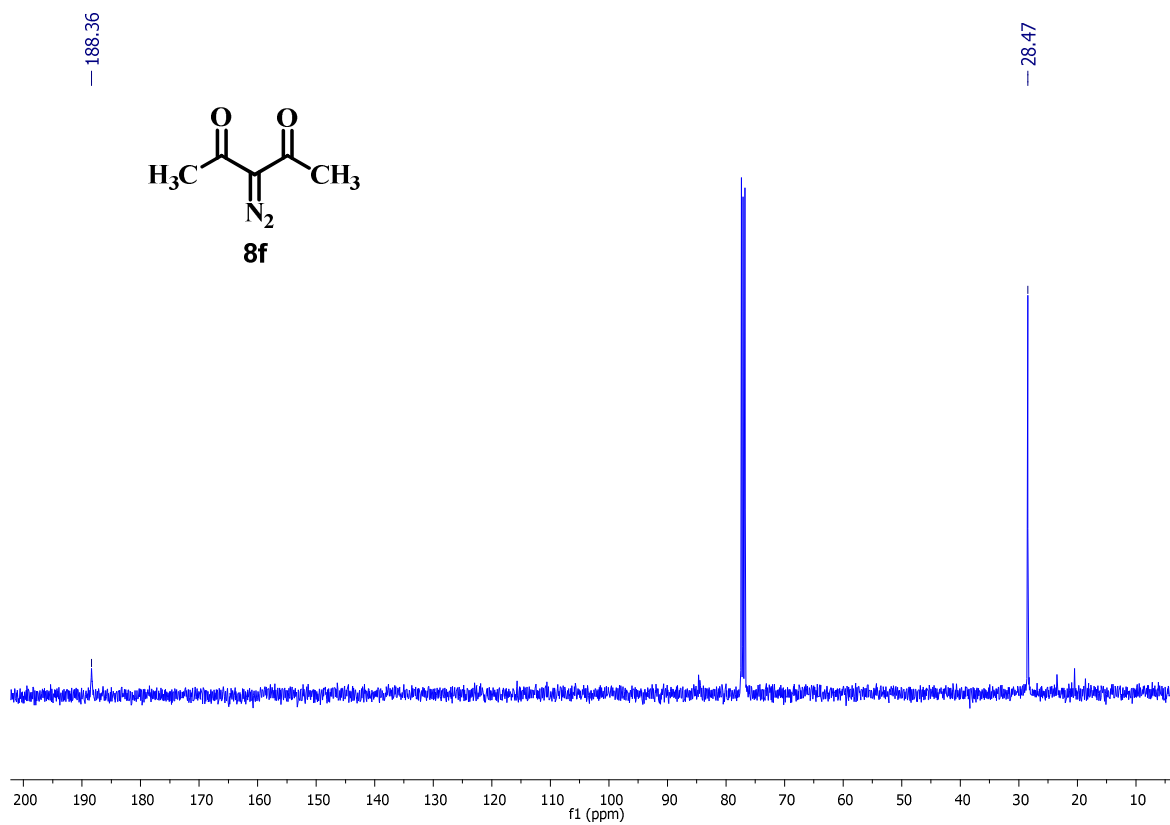
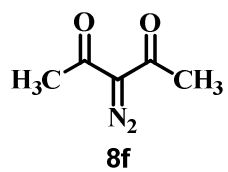
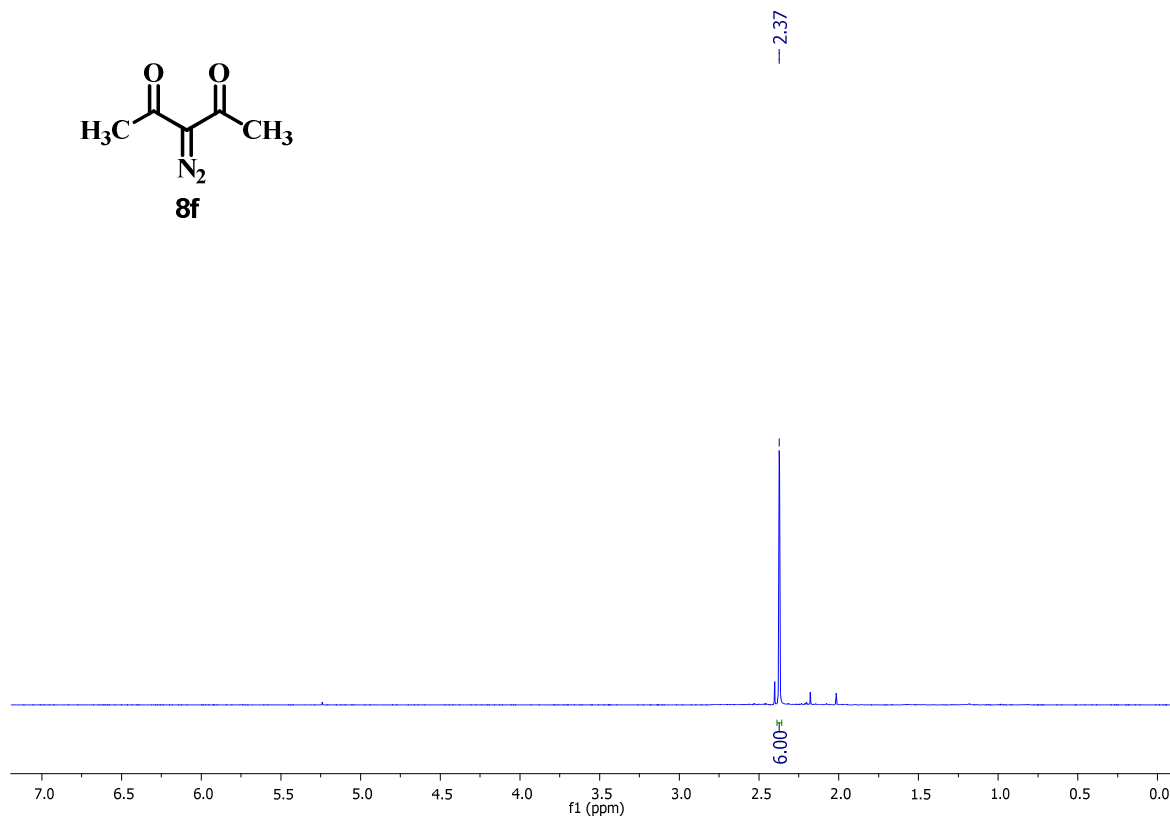
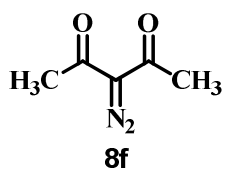


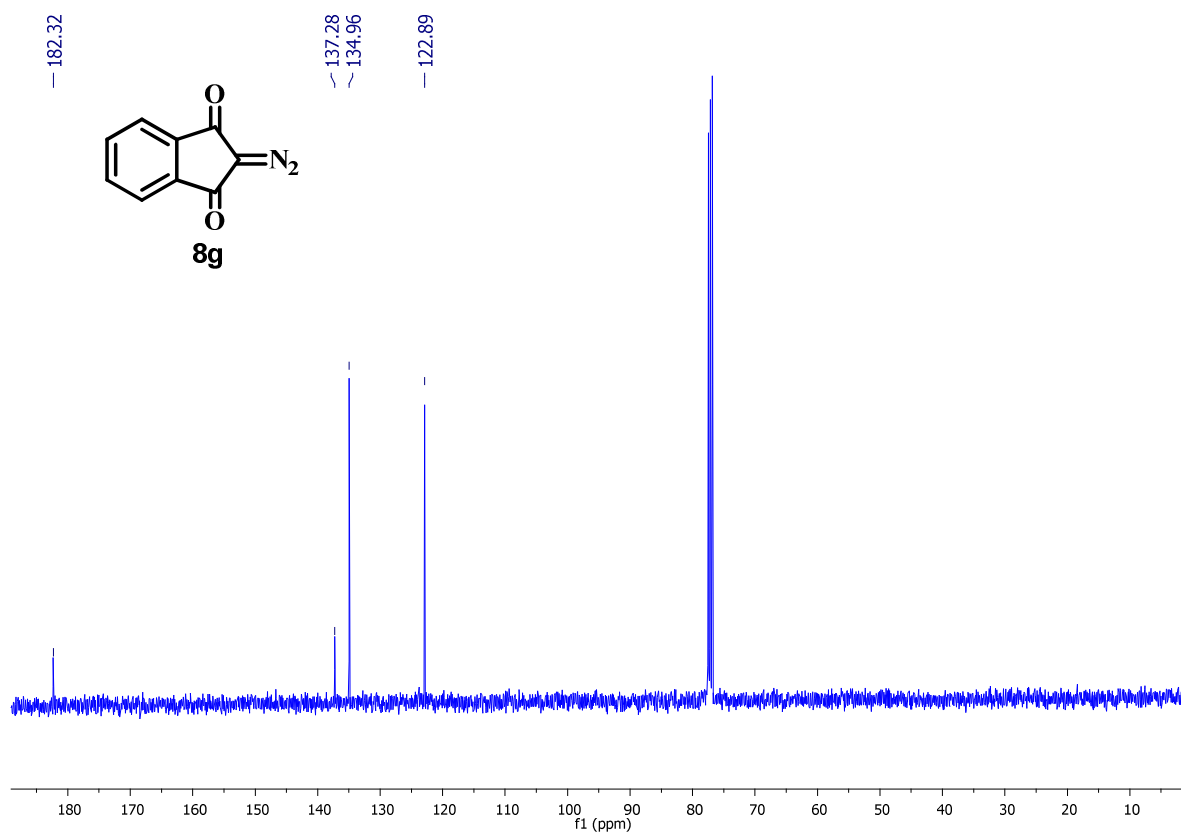
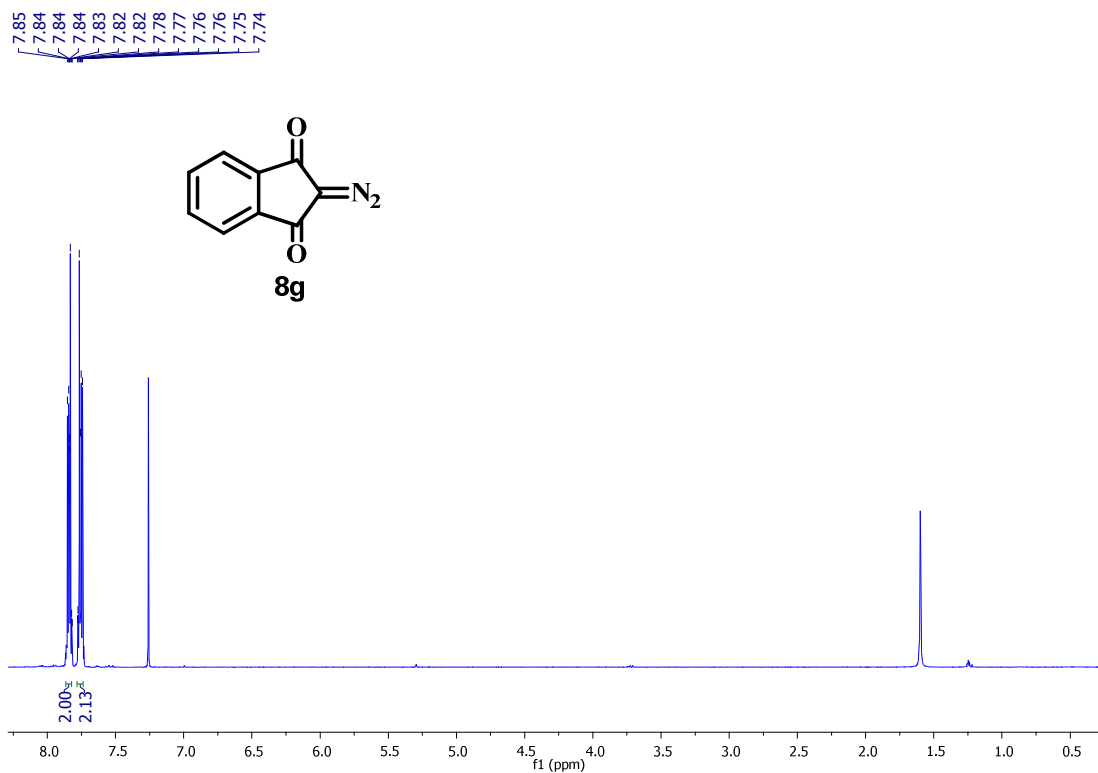
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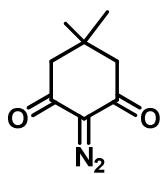


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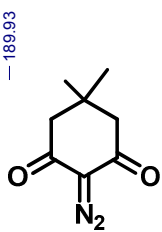
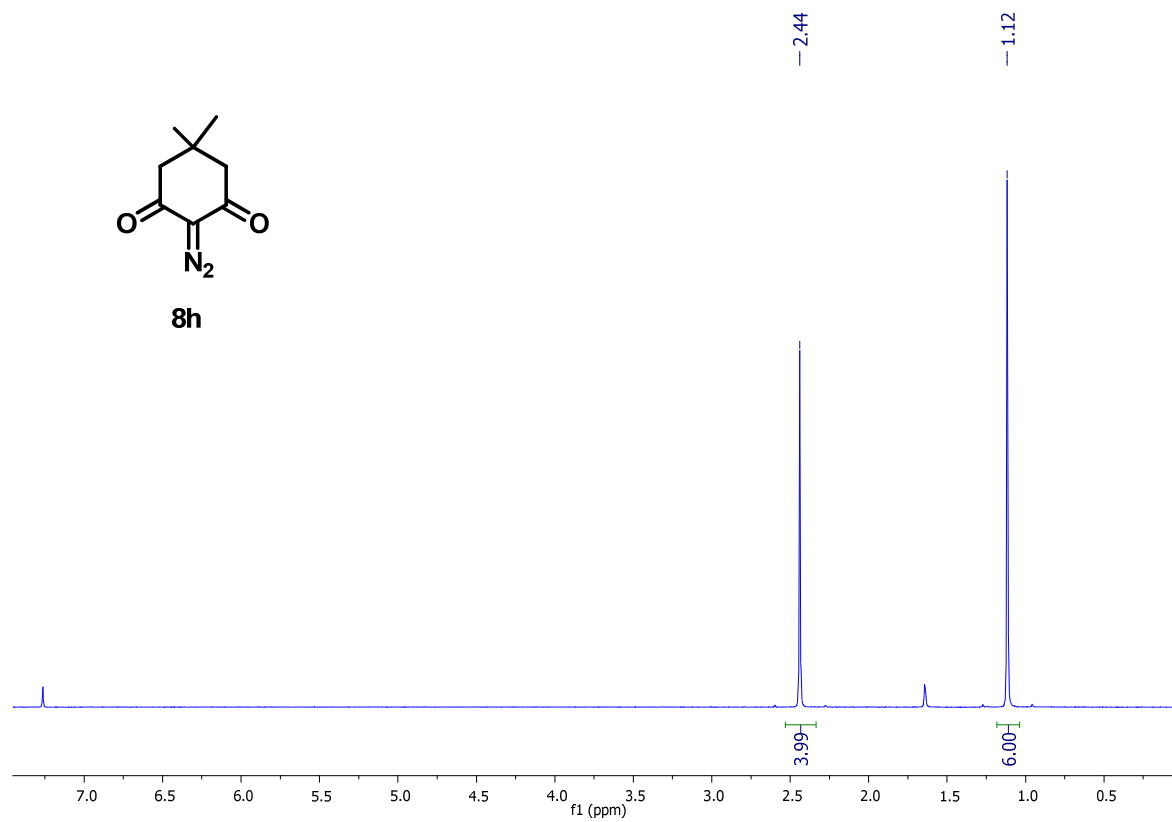




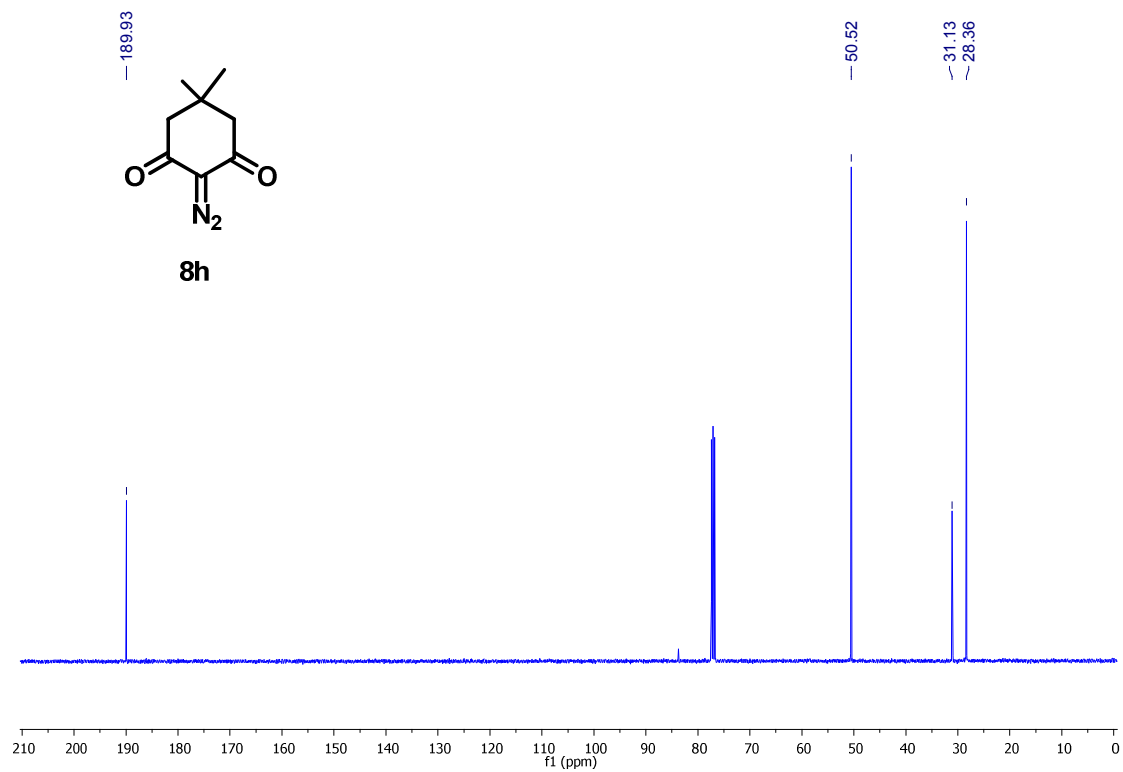


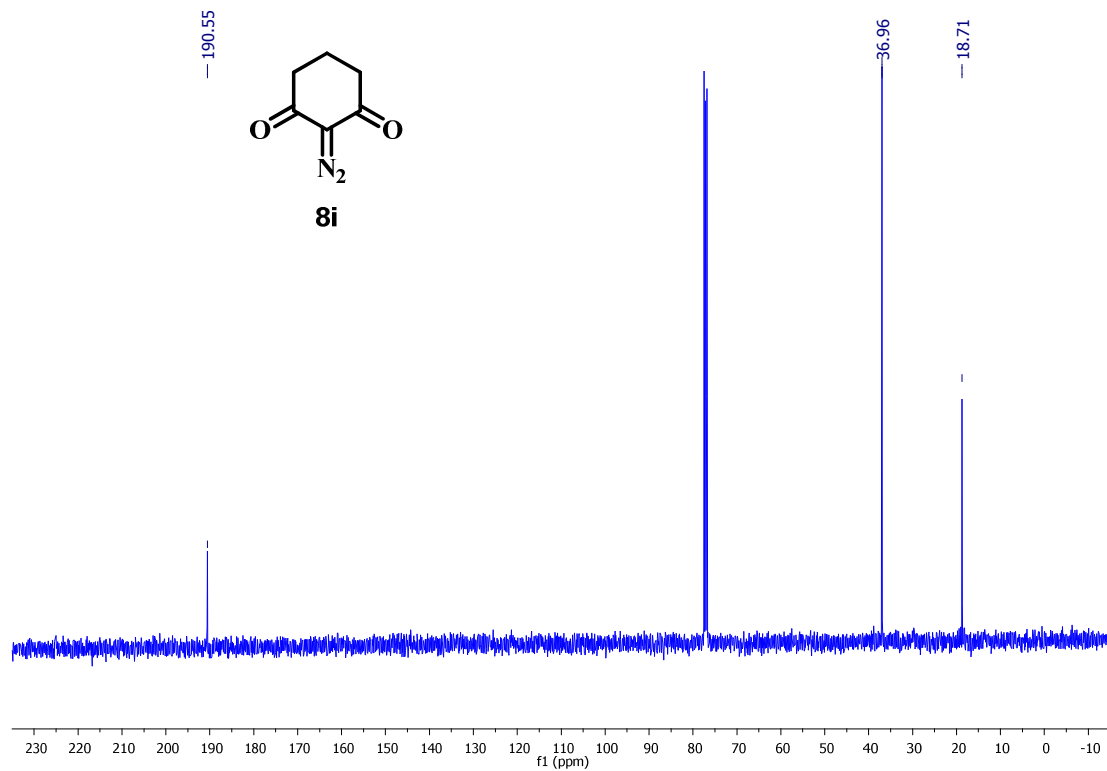
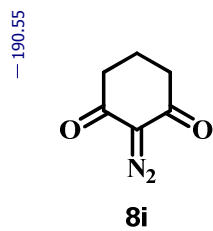
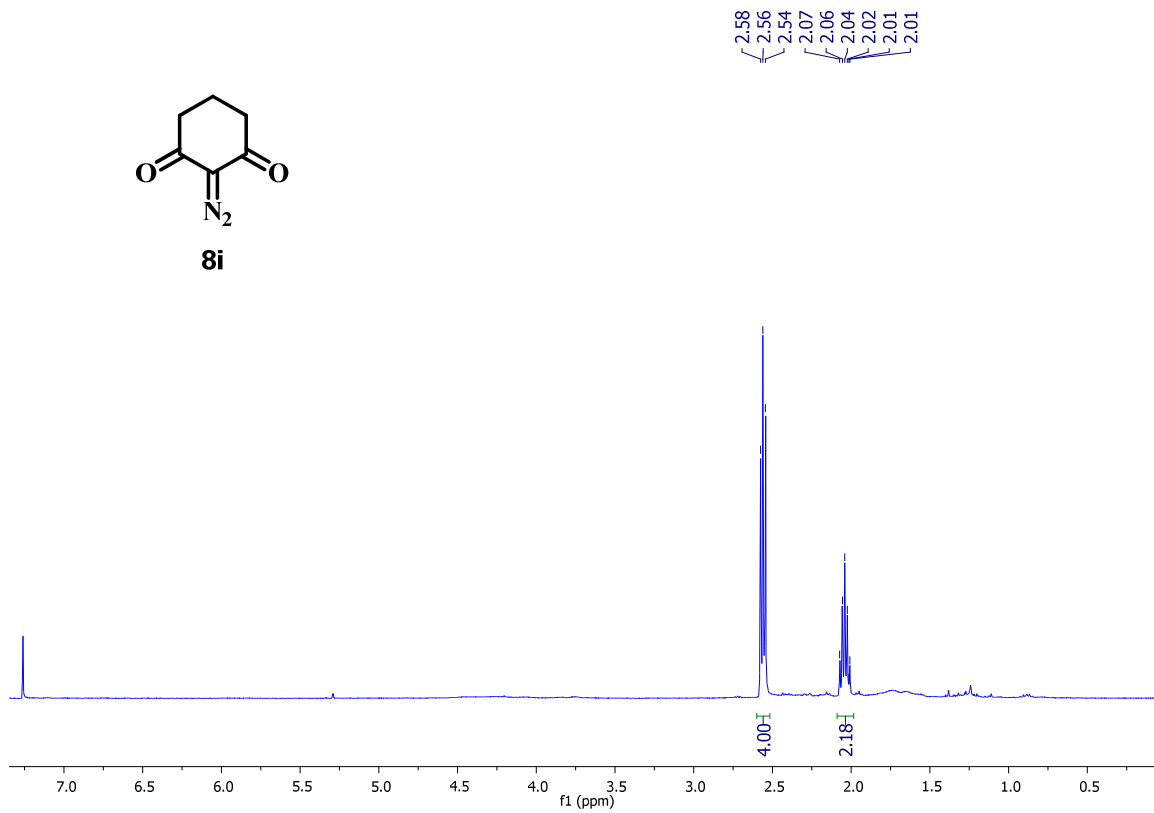
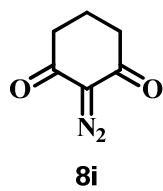


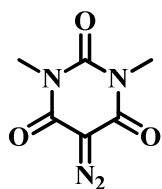
8h



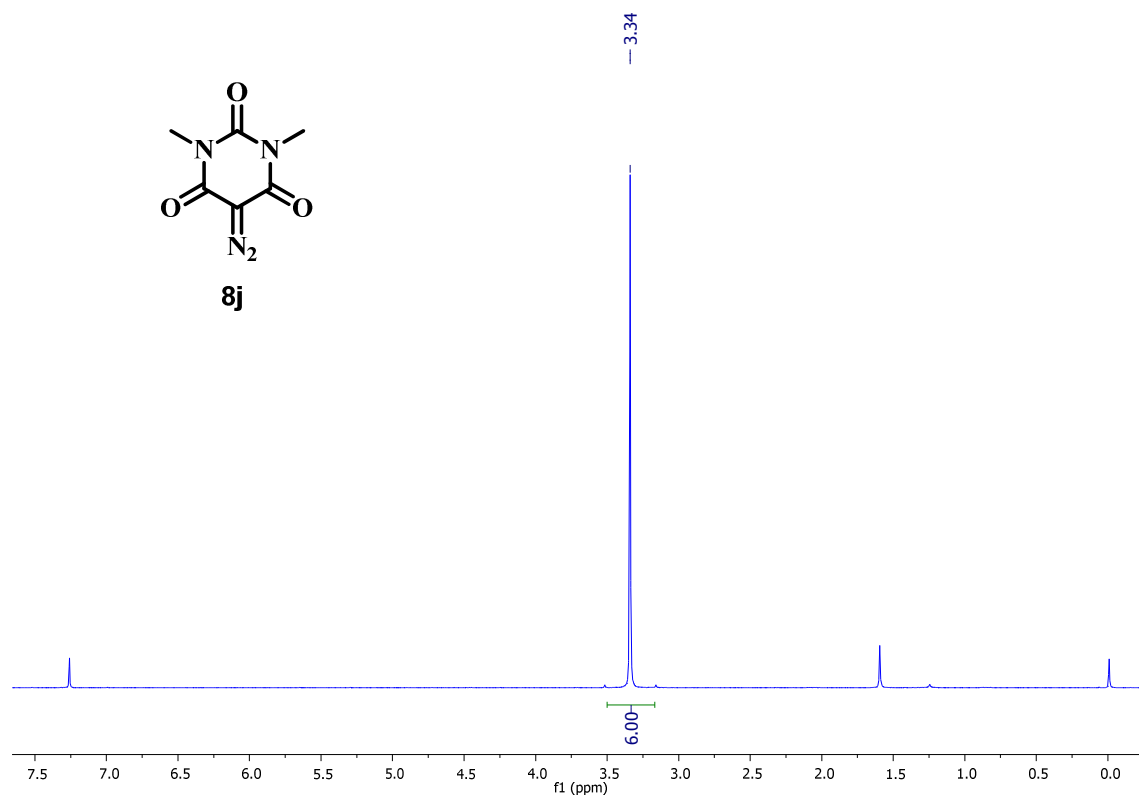
8h







8j

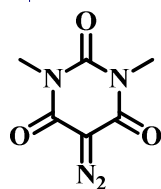


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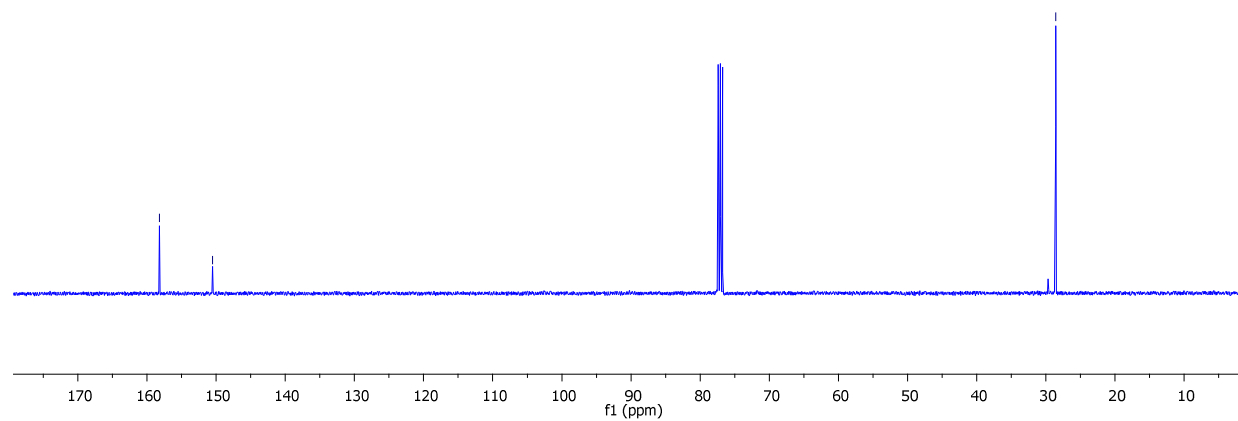
— 158.19

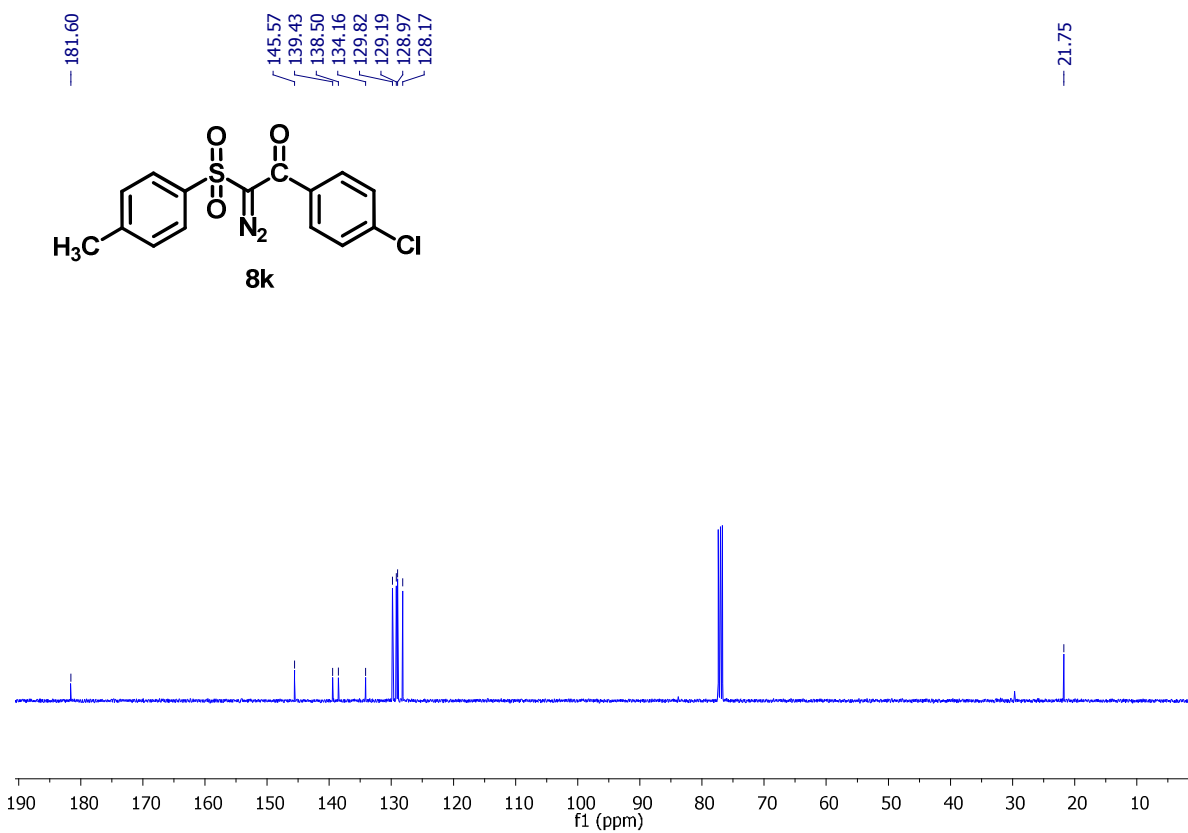
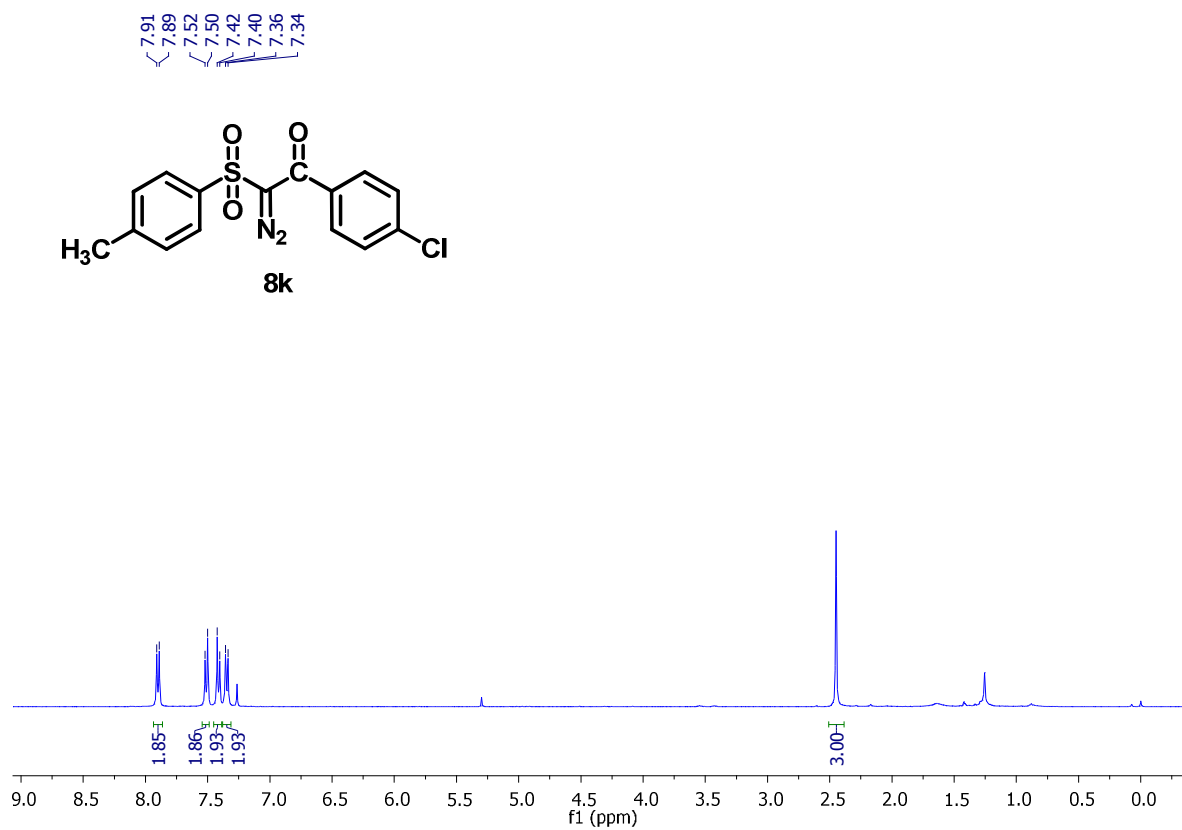
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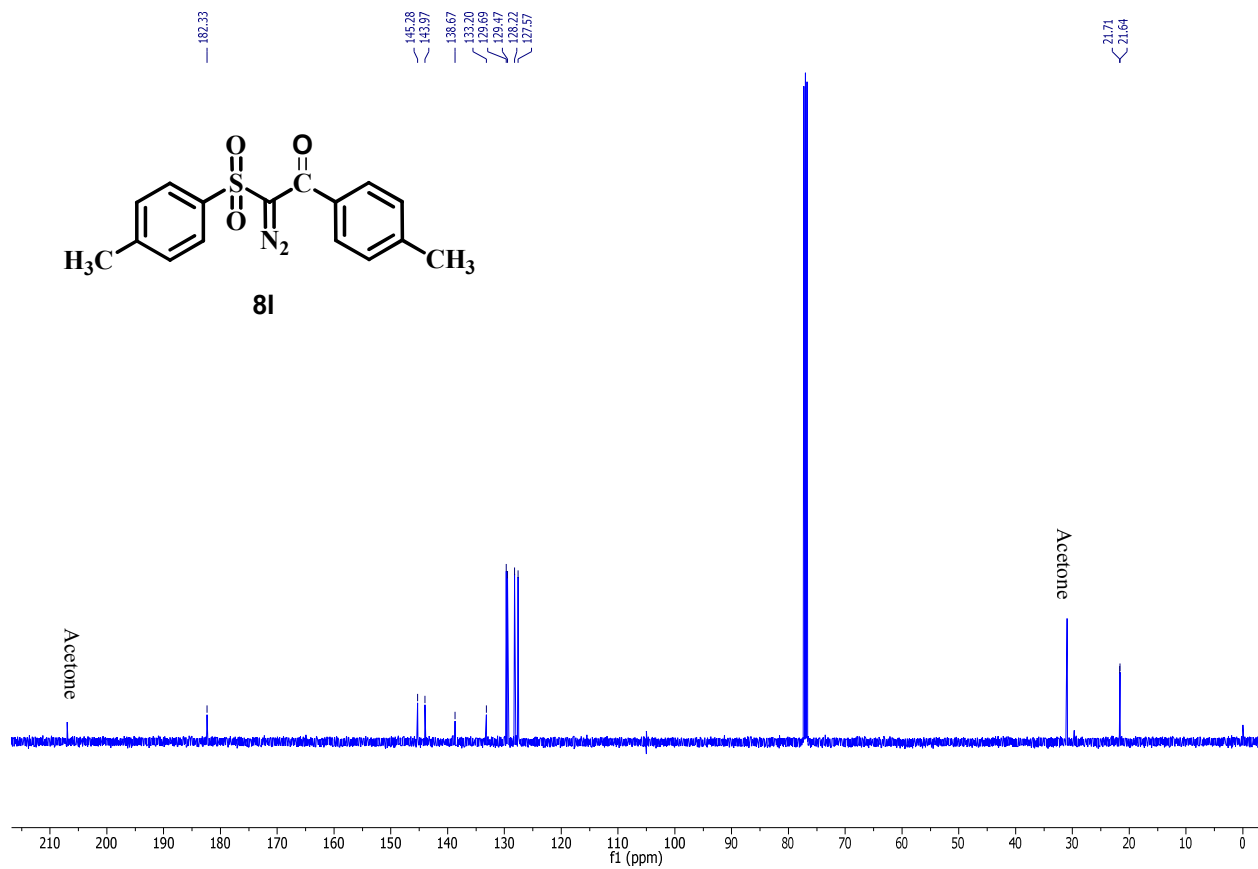
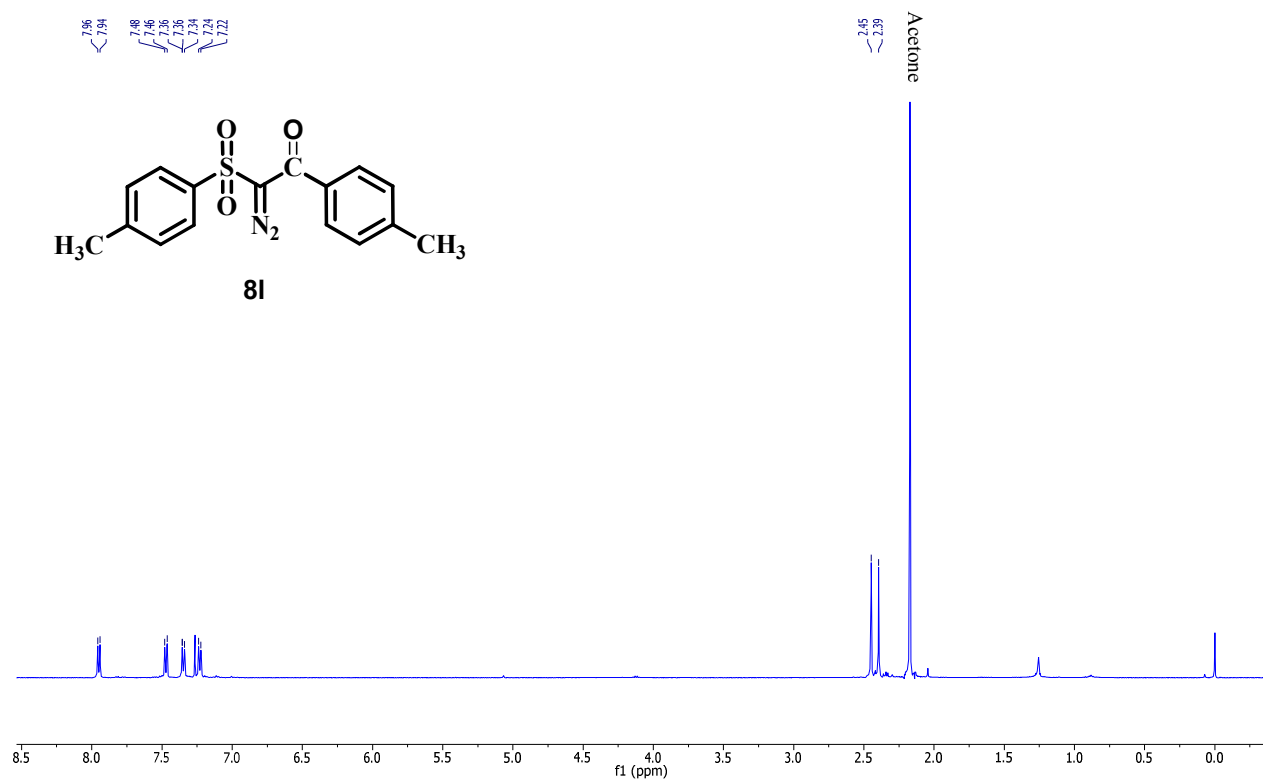
— 28.59

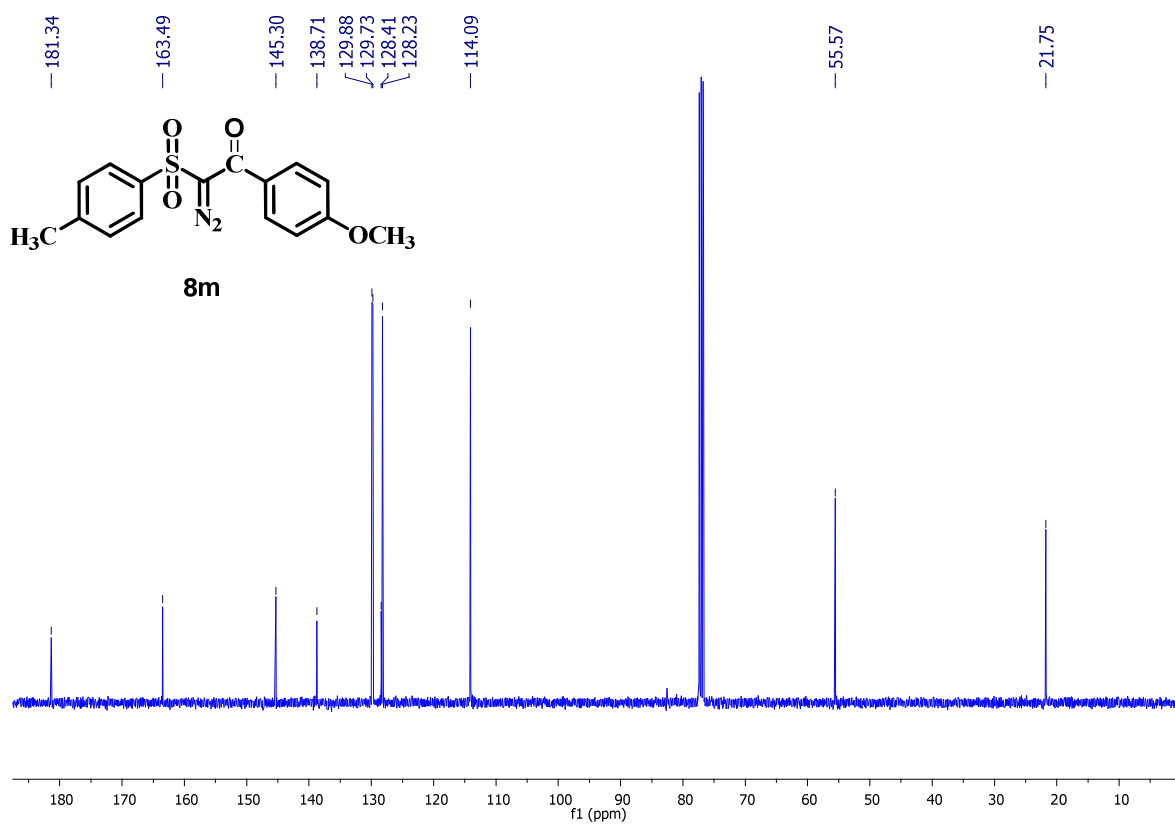
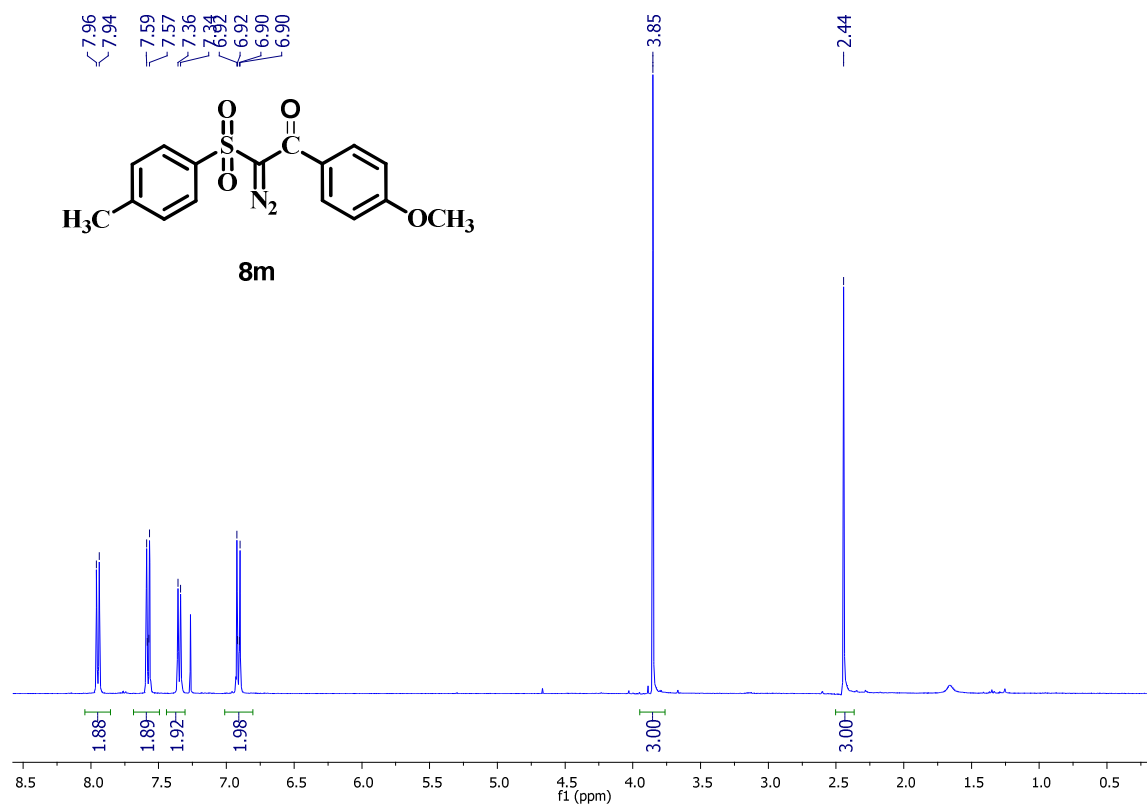


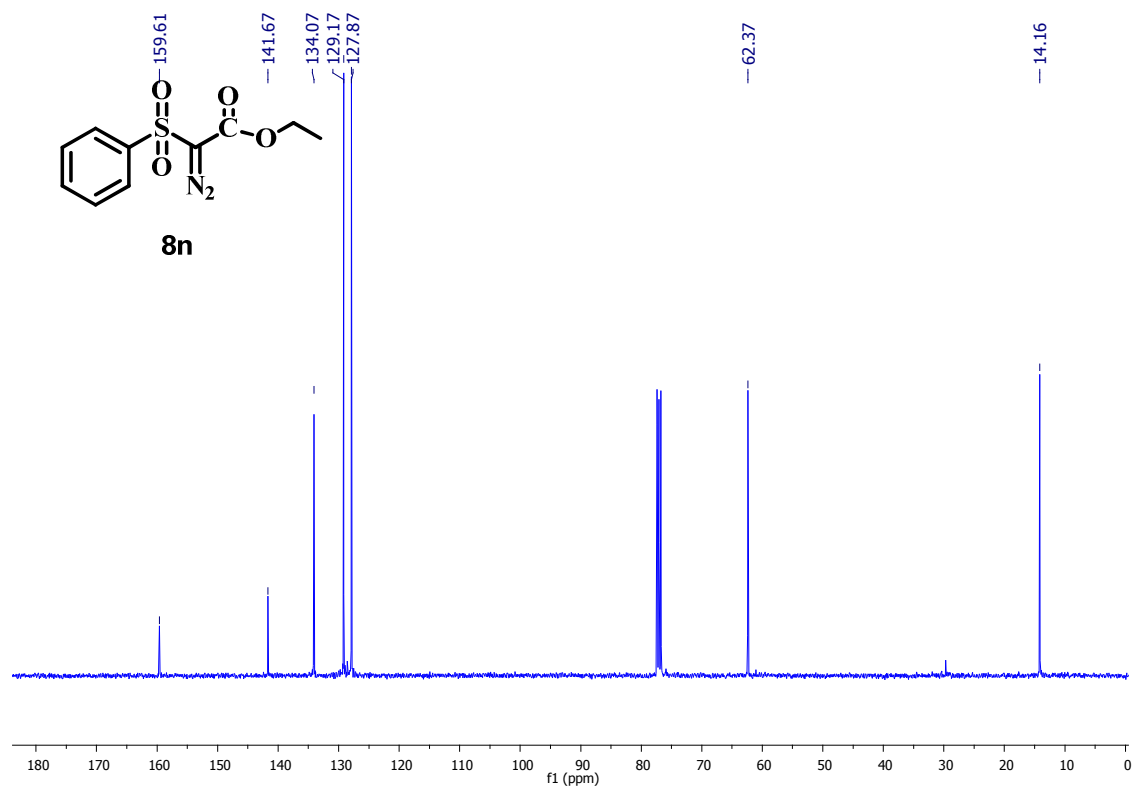
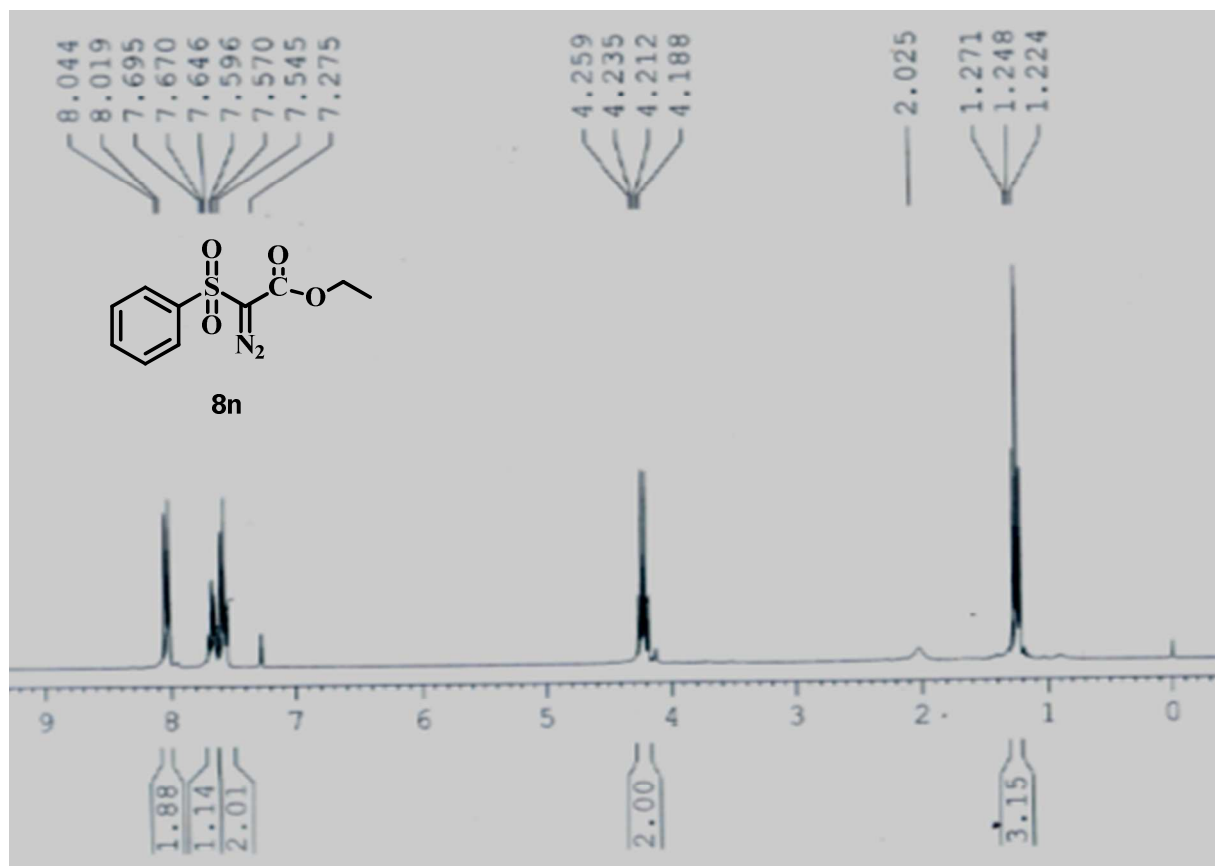
8j



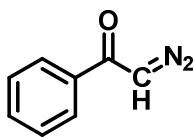




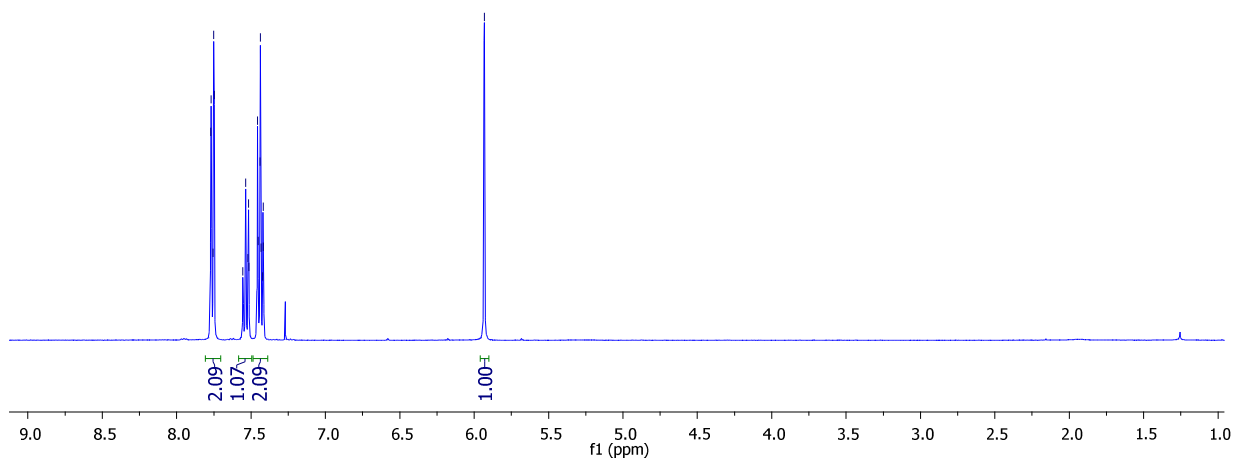




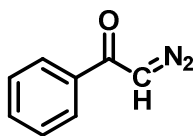
7.77
7.76
7.75
7.75
7.55
7.54
7.52
7.52
7.51
7.46
7.45
7.44
7.44
7.43
7.42
7.42
— 5.93



8o



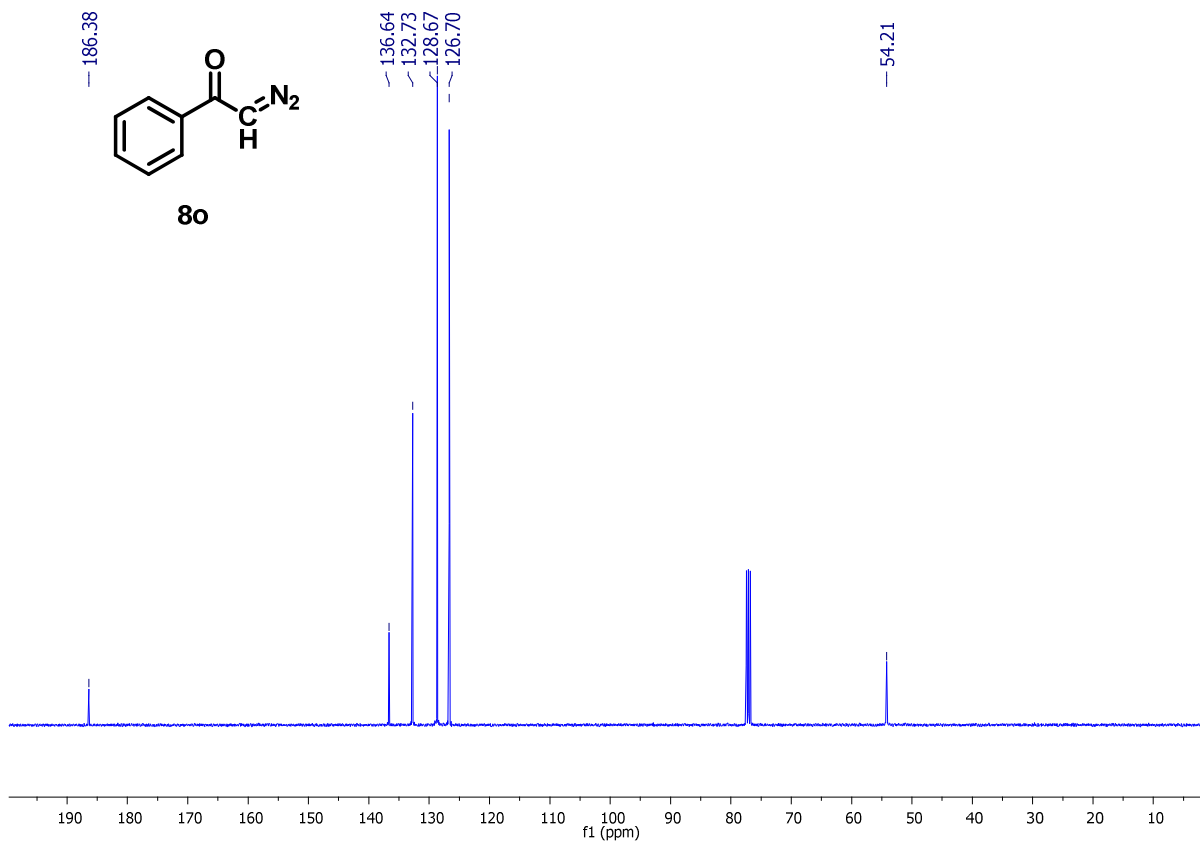
— 186.38



8o

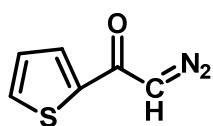
136.64
132.73
128.67
126.70

— 54.21

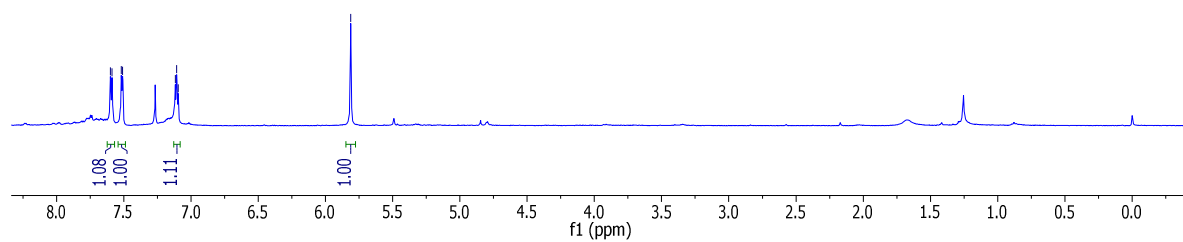


7.60
7.59
7.52
7.51
7.12
7.11
7.10

5.81



8p

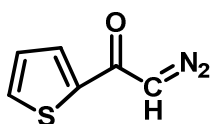


178.89

142.53

132.19
129.03
128.04

54.28



8p

