Supporting information for

Diastereoselective copper-catalyzed 1,4-addition of Grignard reagents to *N*-enoyl oxazolidinones

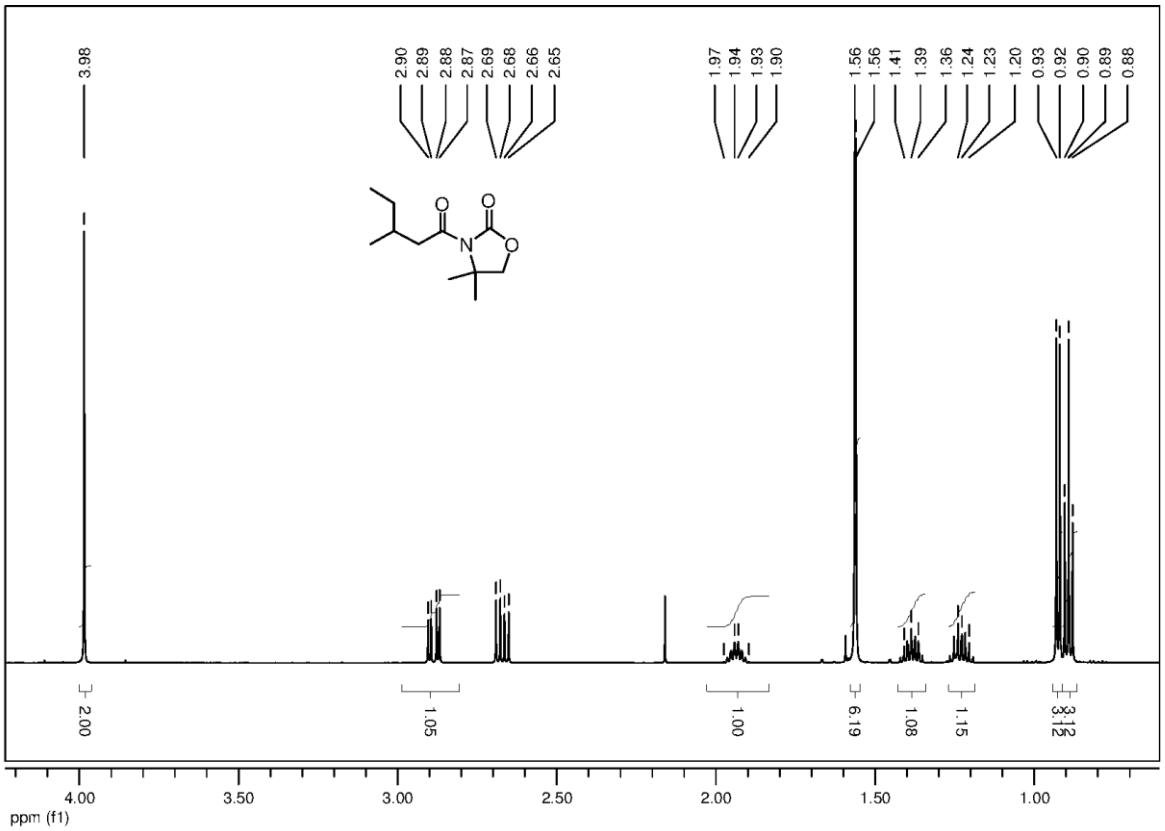
M. Drusan, Z. Galeštoková, R. Šebesta*

Contents

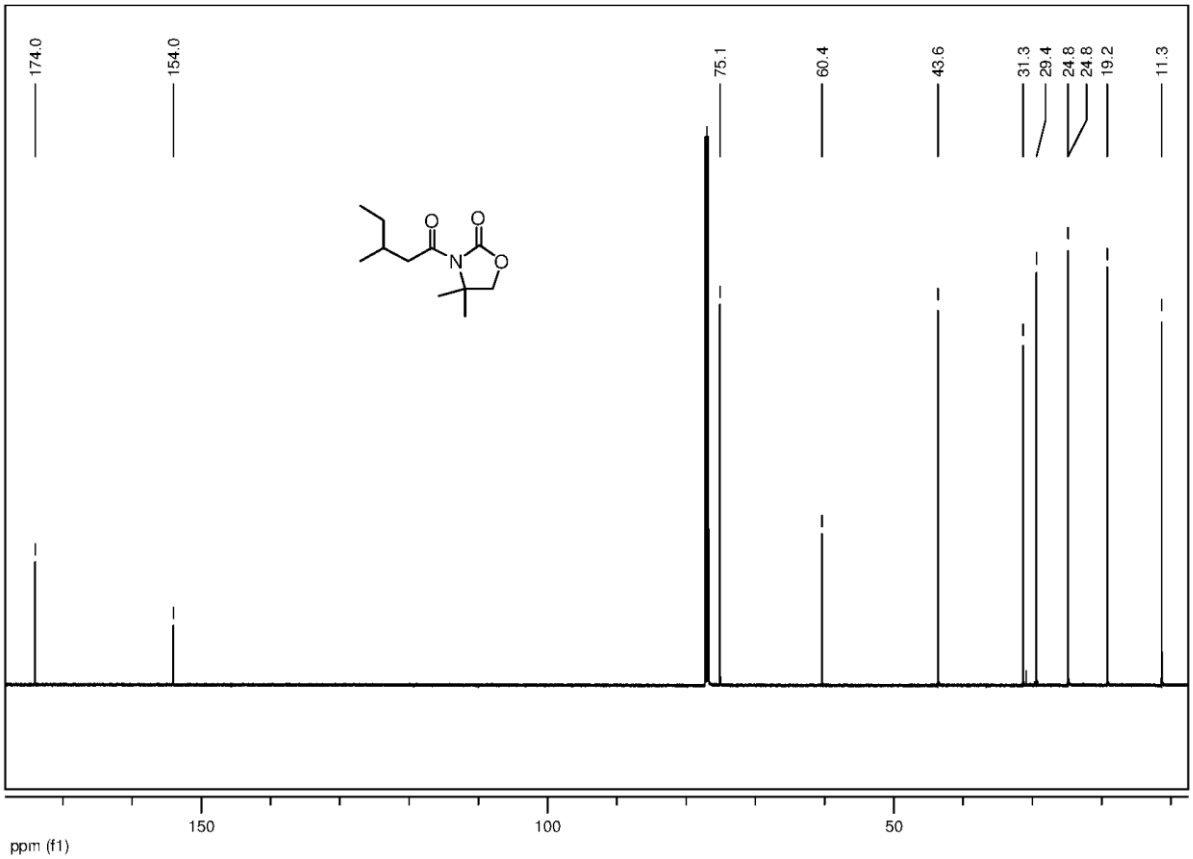
General Information

All reactions were carried out in inert atmosphere of Ar. Solvents were dried and purified by standard methods before use. Chemical shifts (δ) are given in ppm relative to tetramethylsilane for ^{1}H NMR and ^{13}C NMR. Specific optical rotations are given in deg $cm^{-3}.g^{-1}.dm^{-1}$. Flash chromatography was performed on silica gel 40 – 63 μm. Thin-layer chromatography was performed on TLC-plates silica gel 60 with F-254 UV indicator. Diastereomeric ratios were determined by ^{1}H NMR and GC. Enantiomeric ratios were determined by HPLC on Chiralpak, OD-H, IB, AS-H (column using hexane/*i*PrOH as a mobile phase and detection with UV-detector at 254 nm, 218 nm.

^{1}H NMR for **2a**



^{13}C NMR for **2a**



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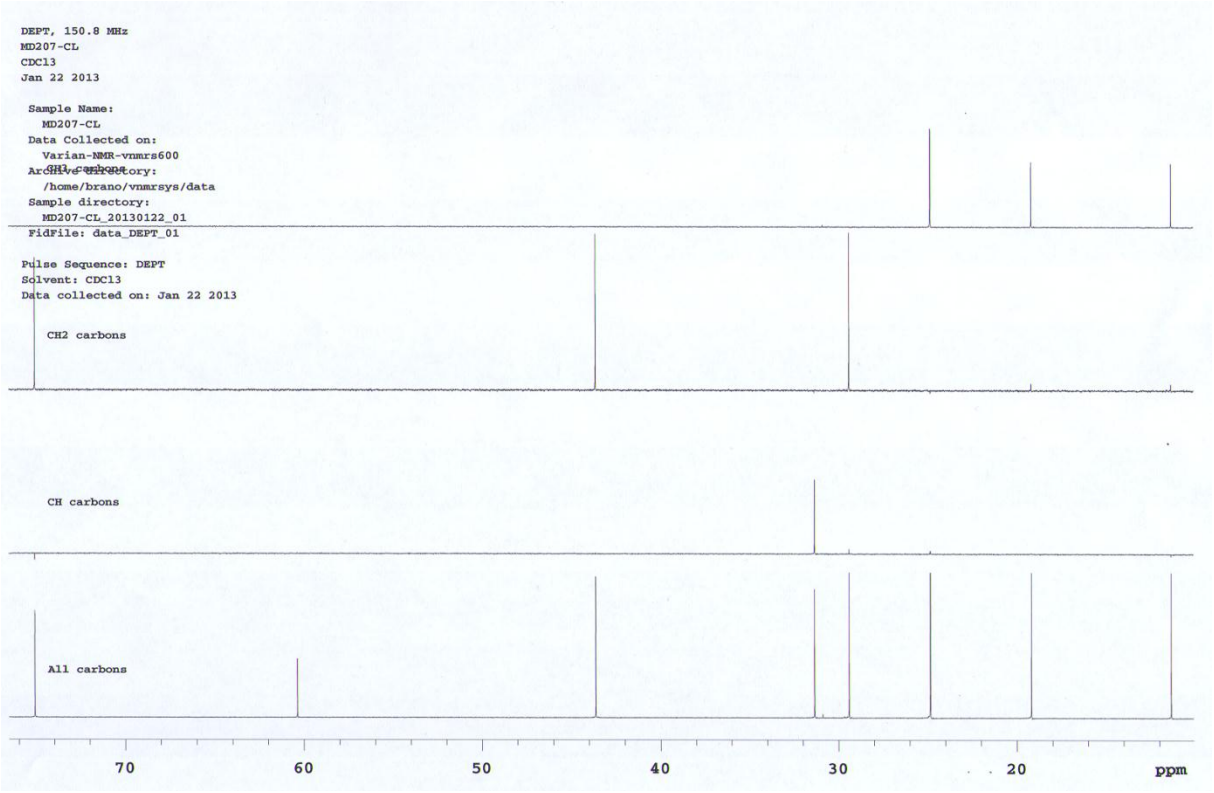

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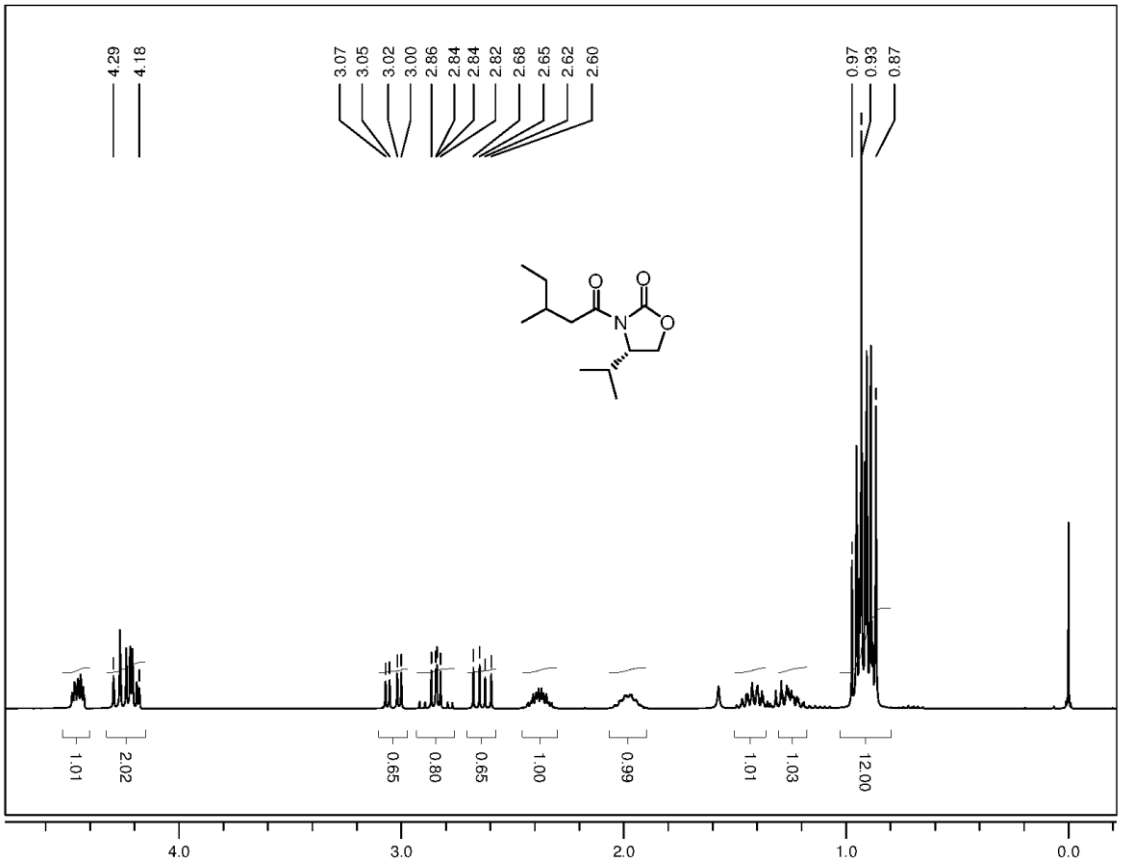

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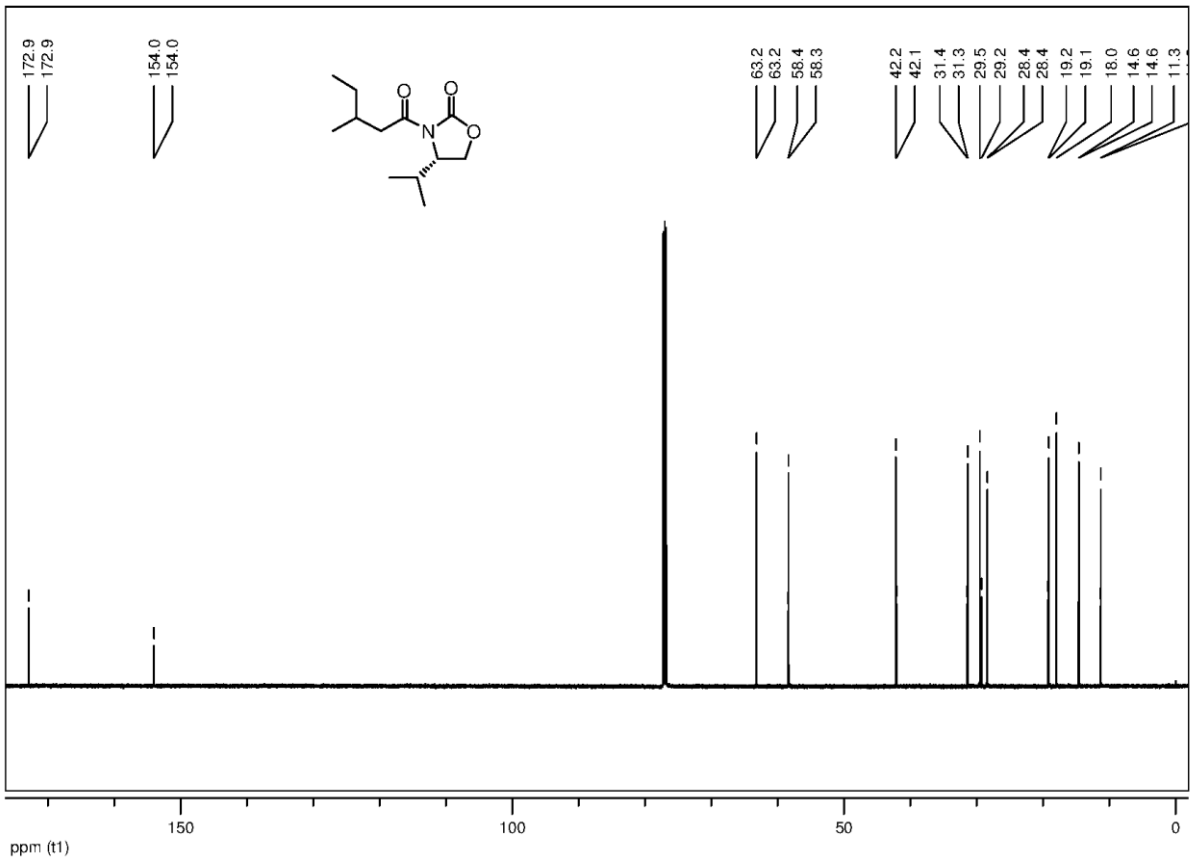

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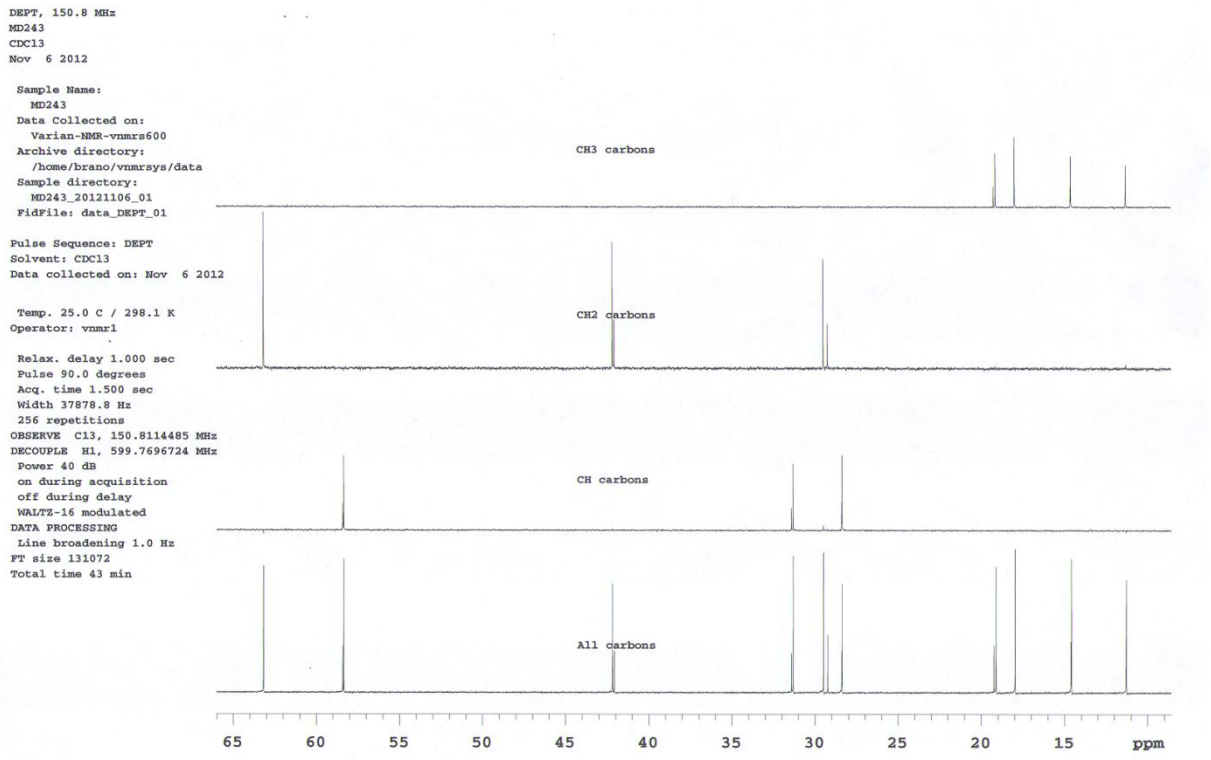

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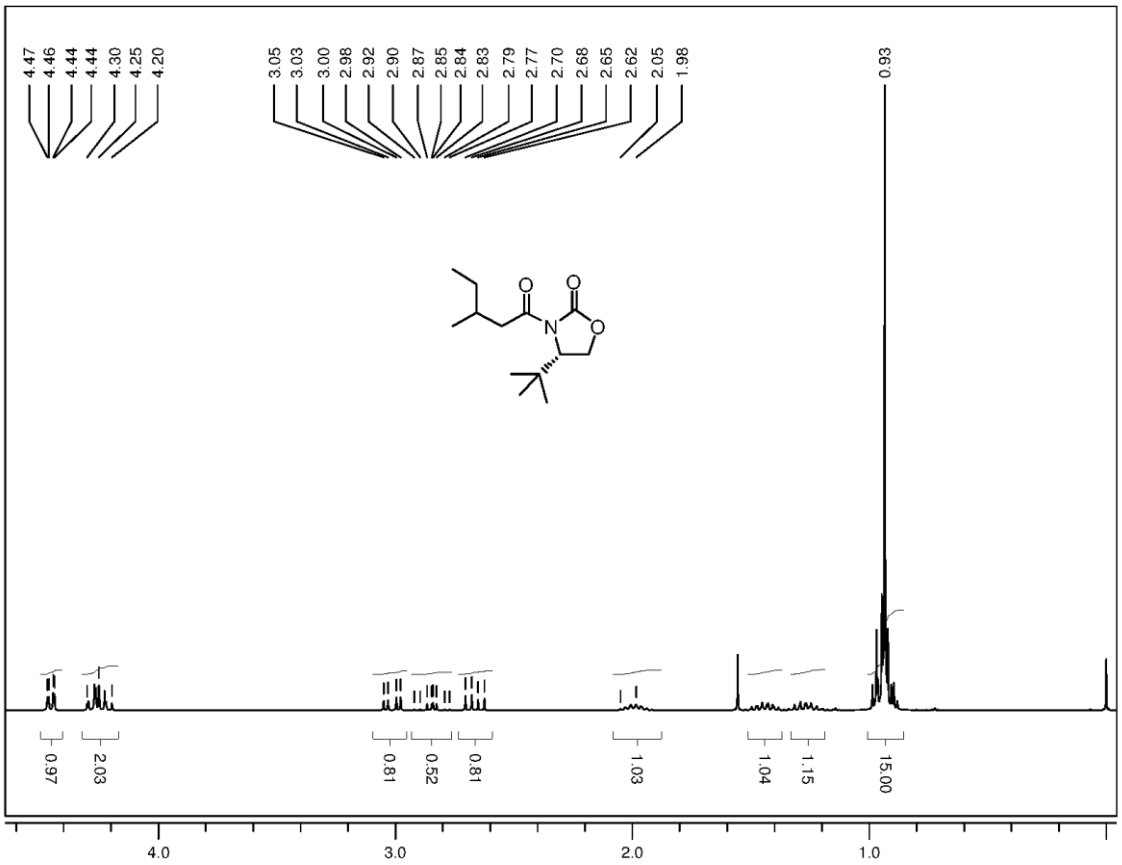

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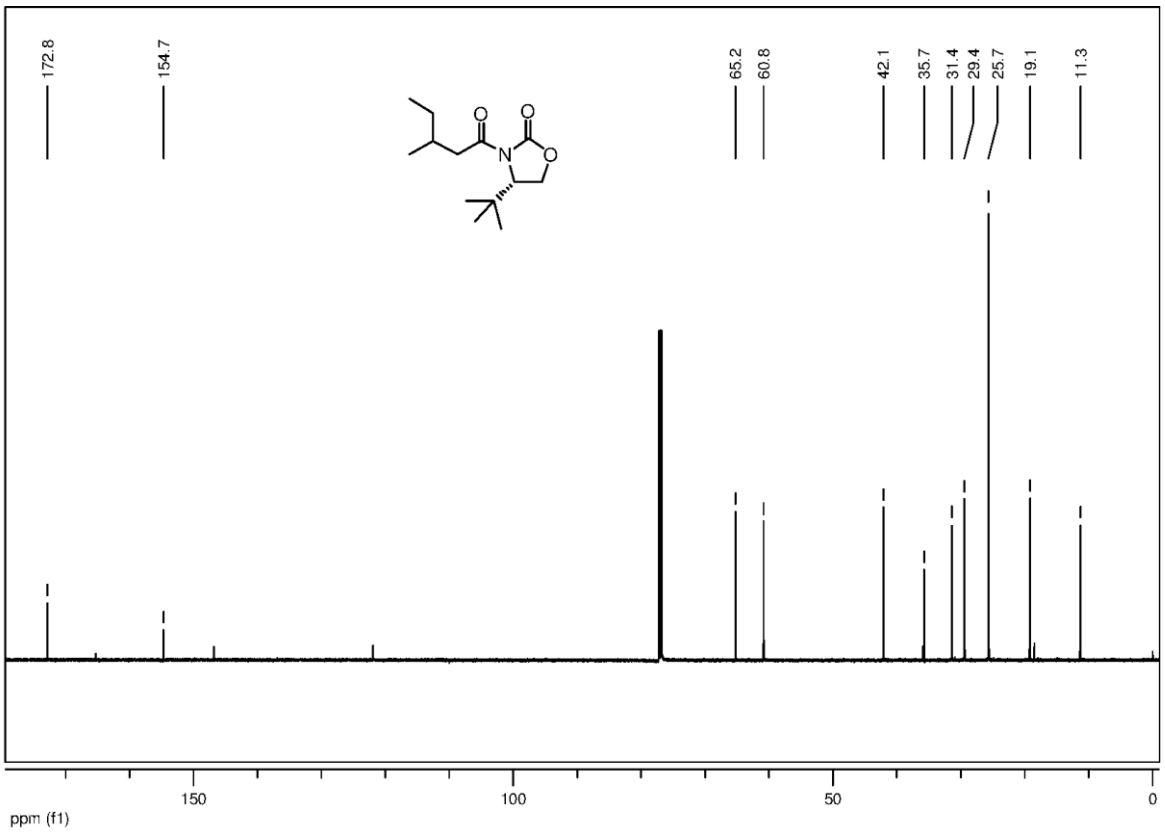

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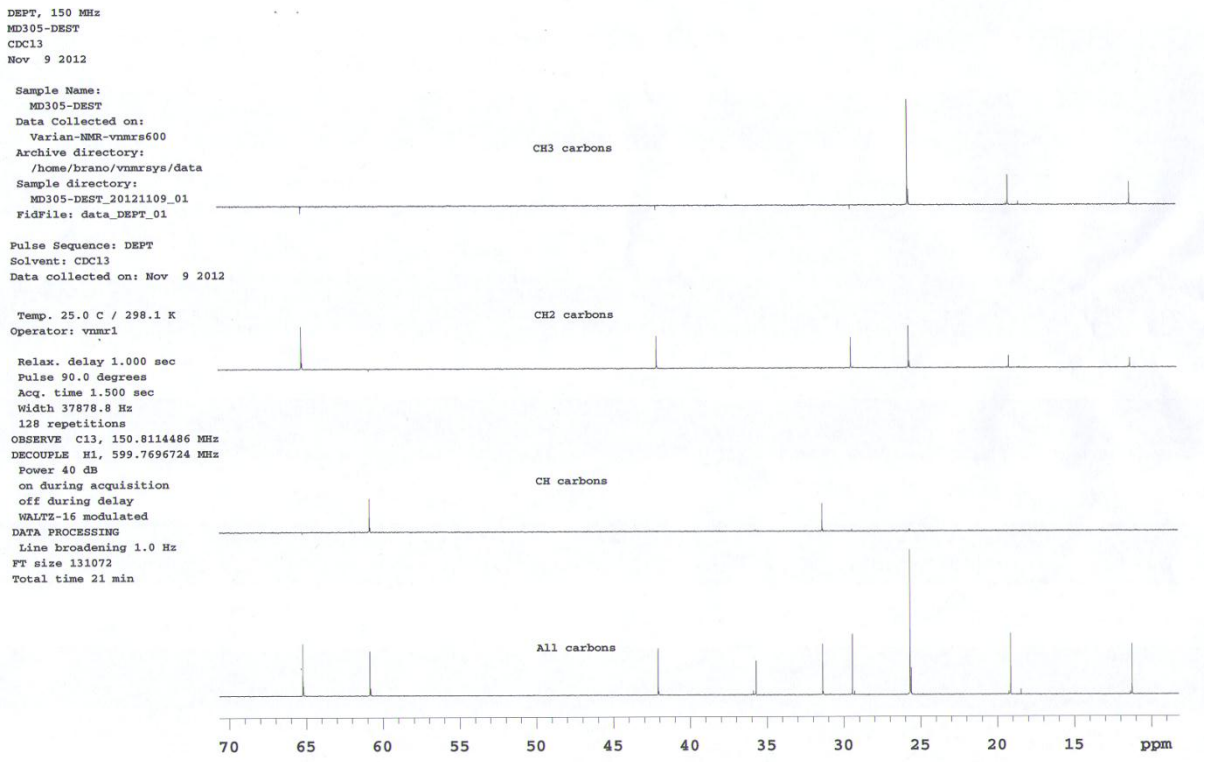

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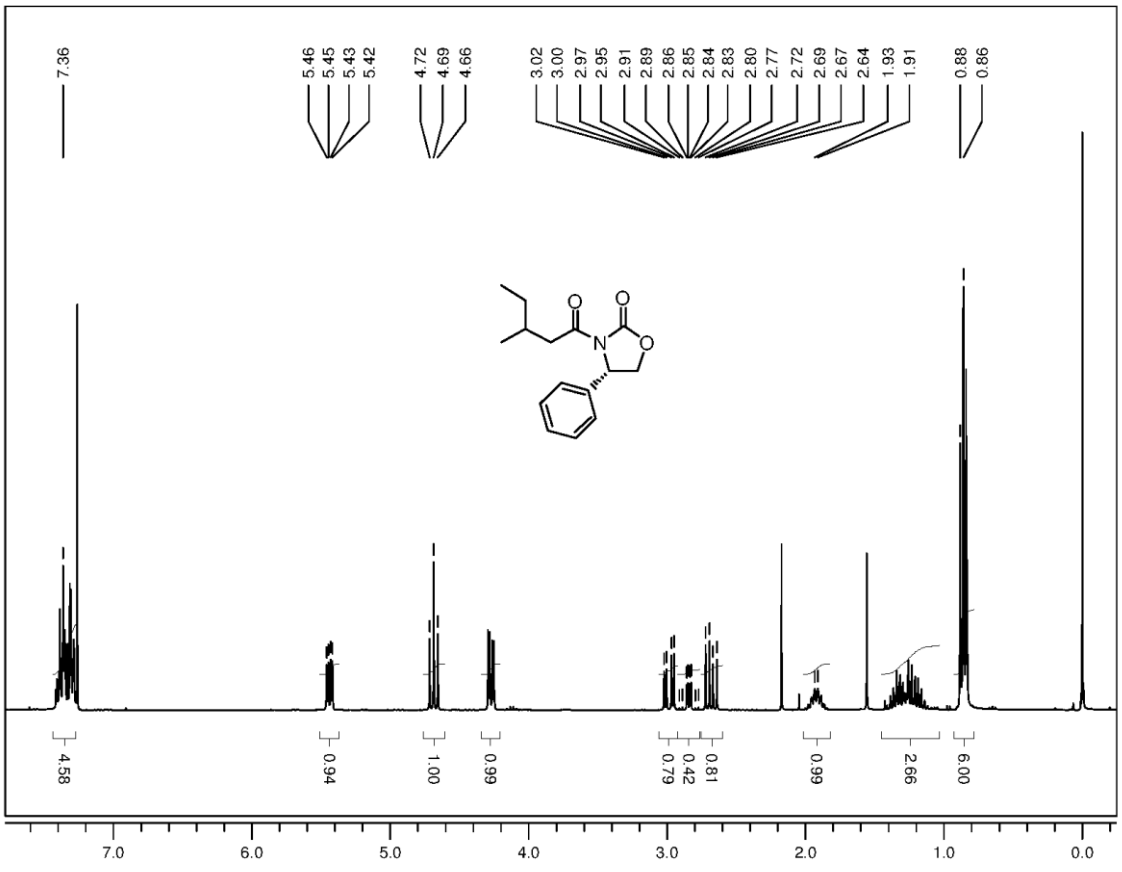

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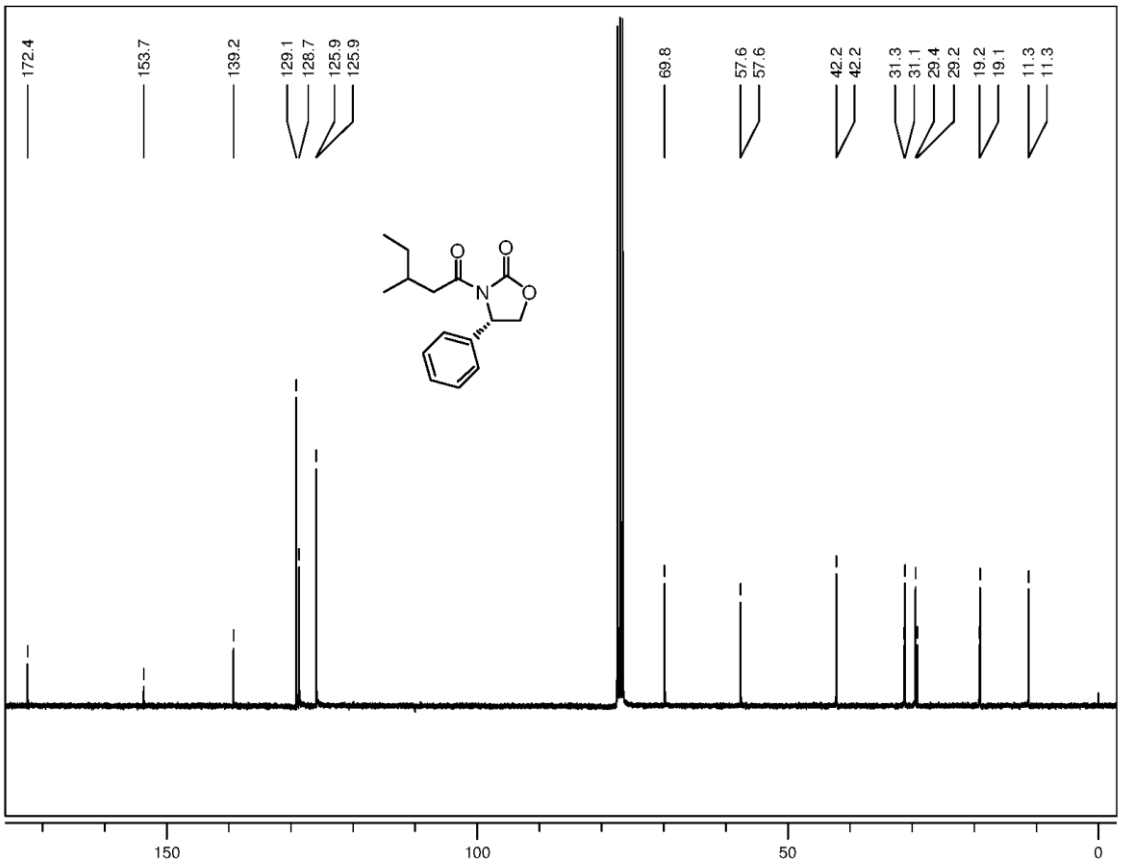

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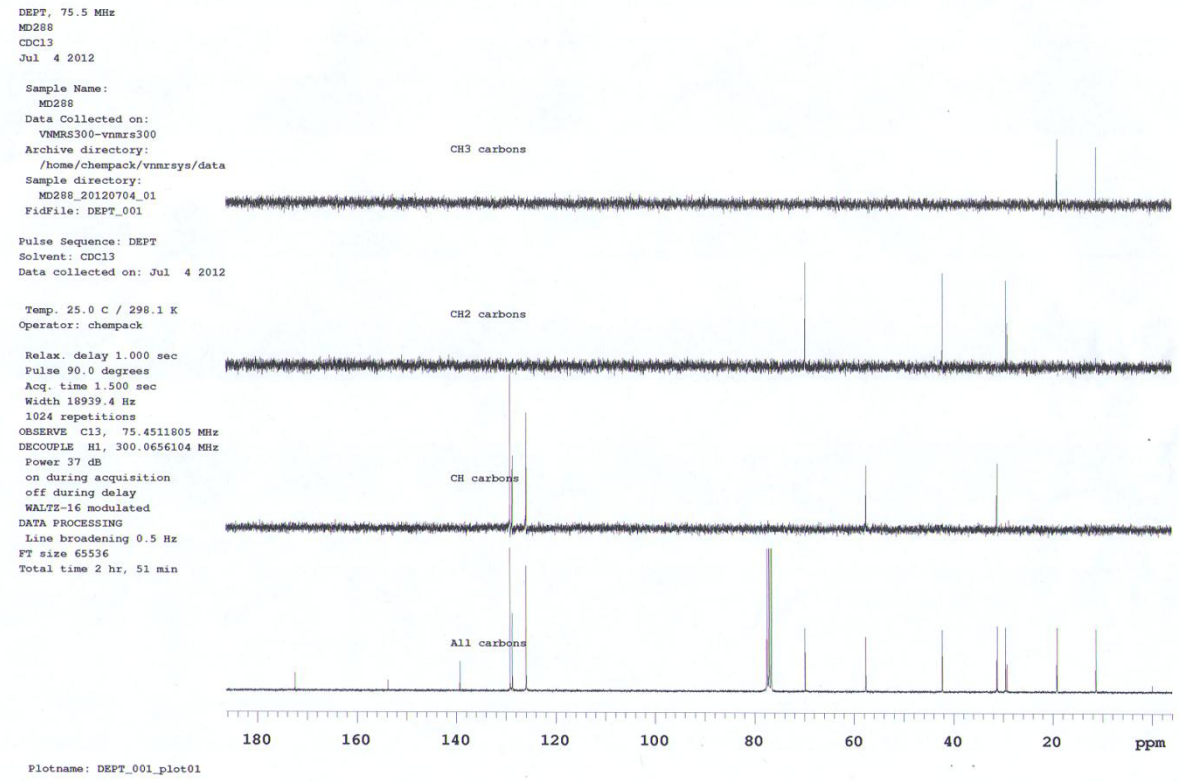

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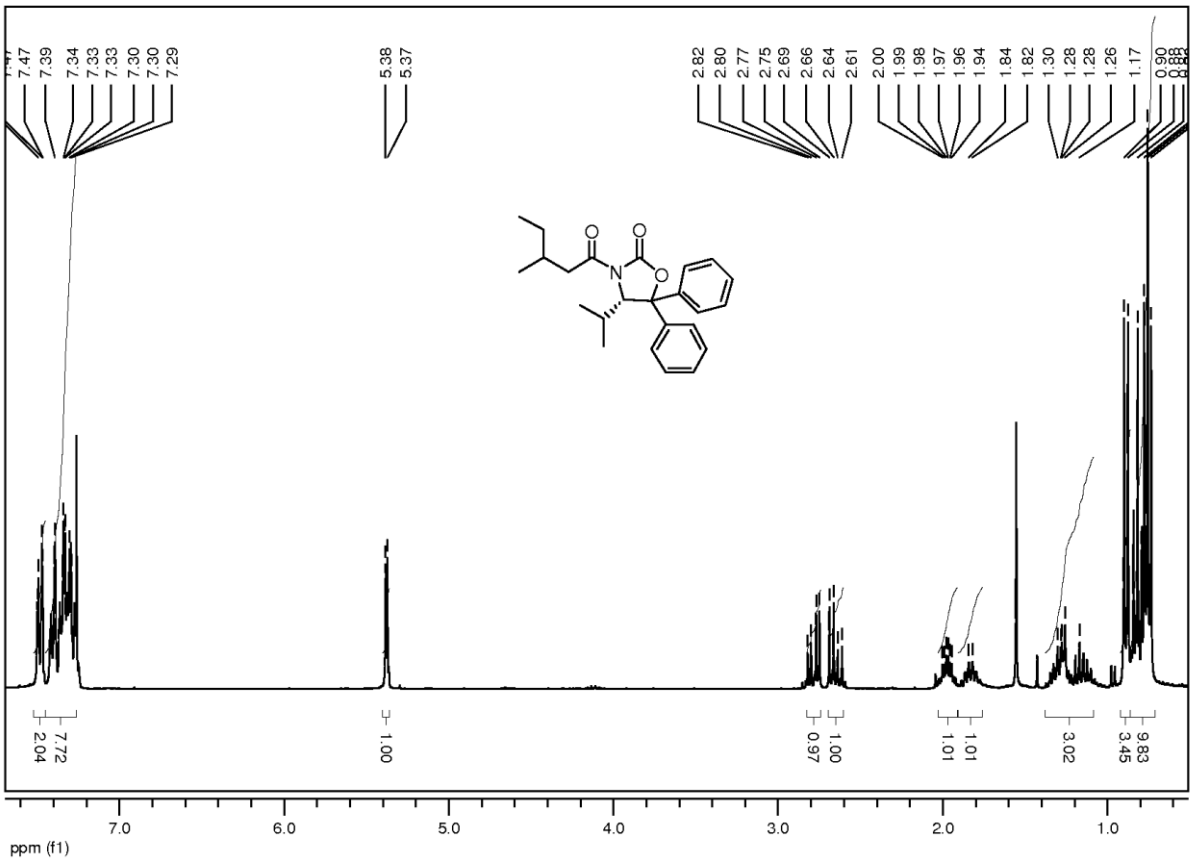

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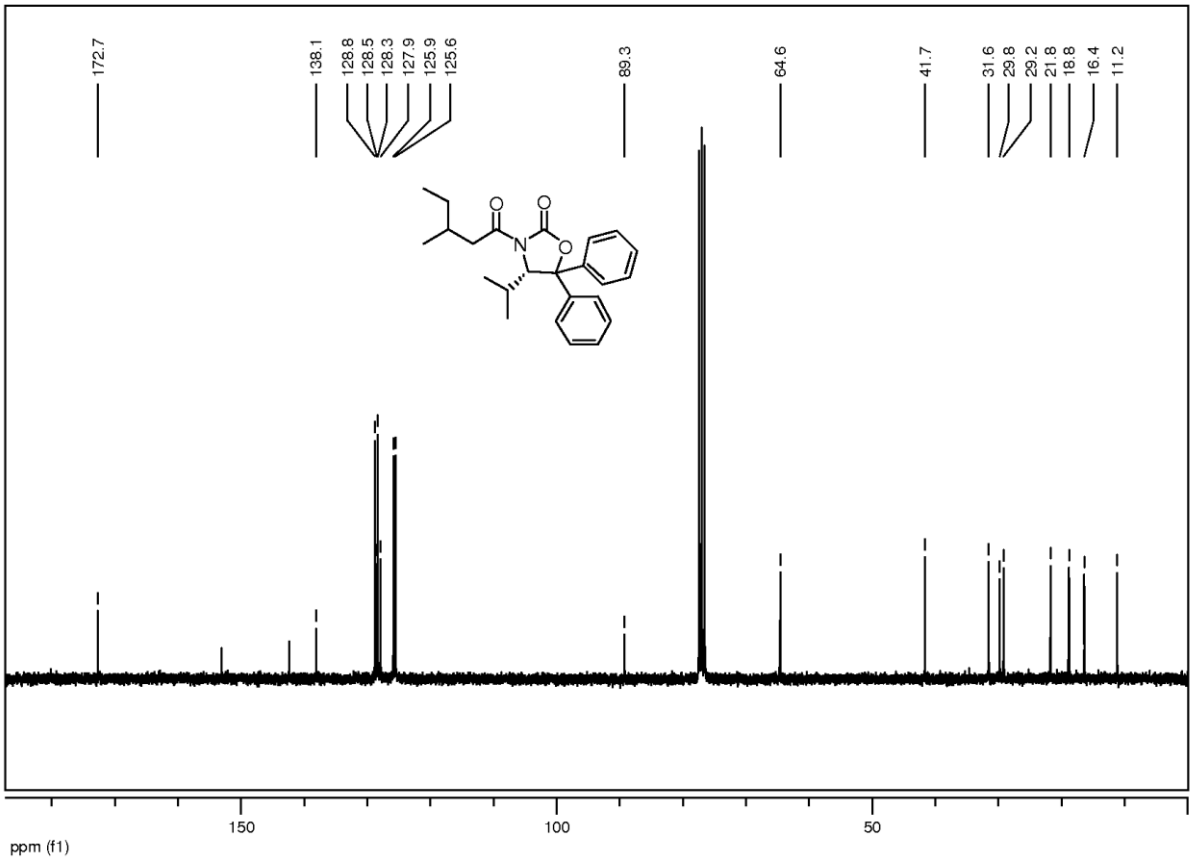

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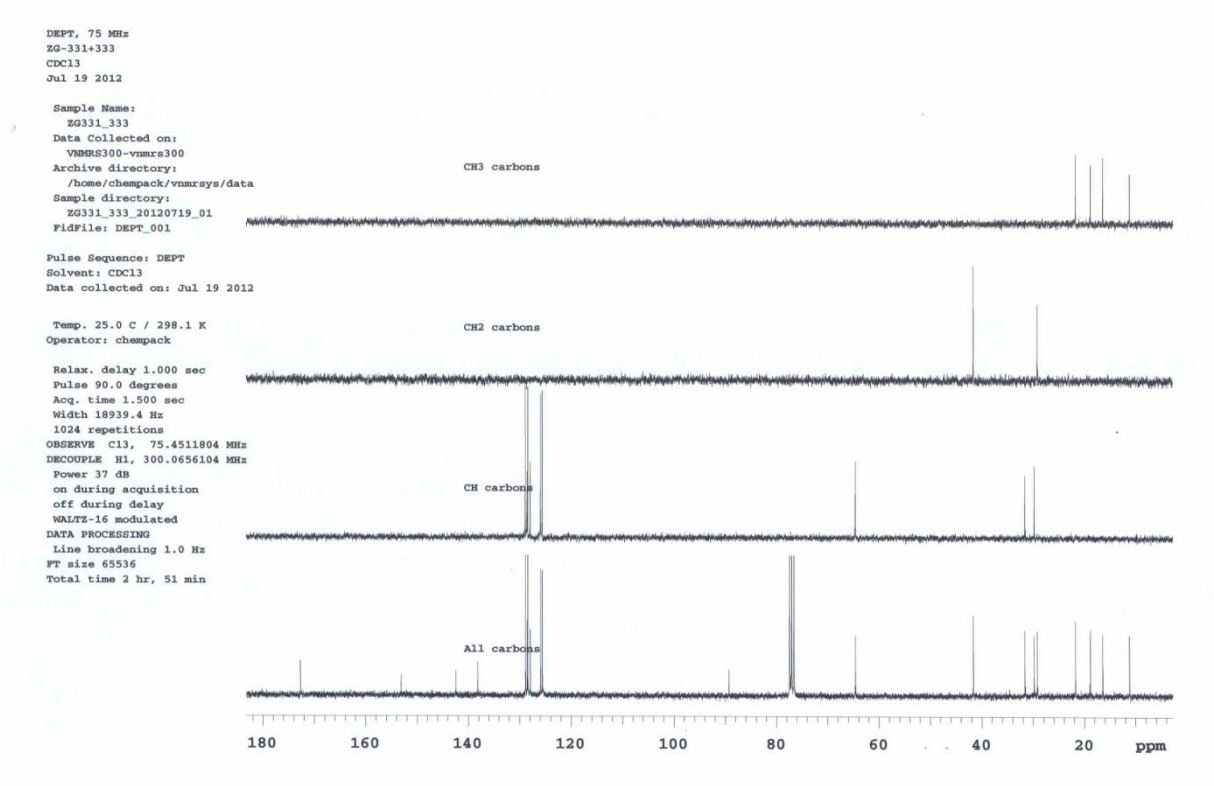

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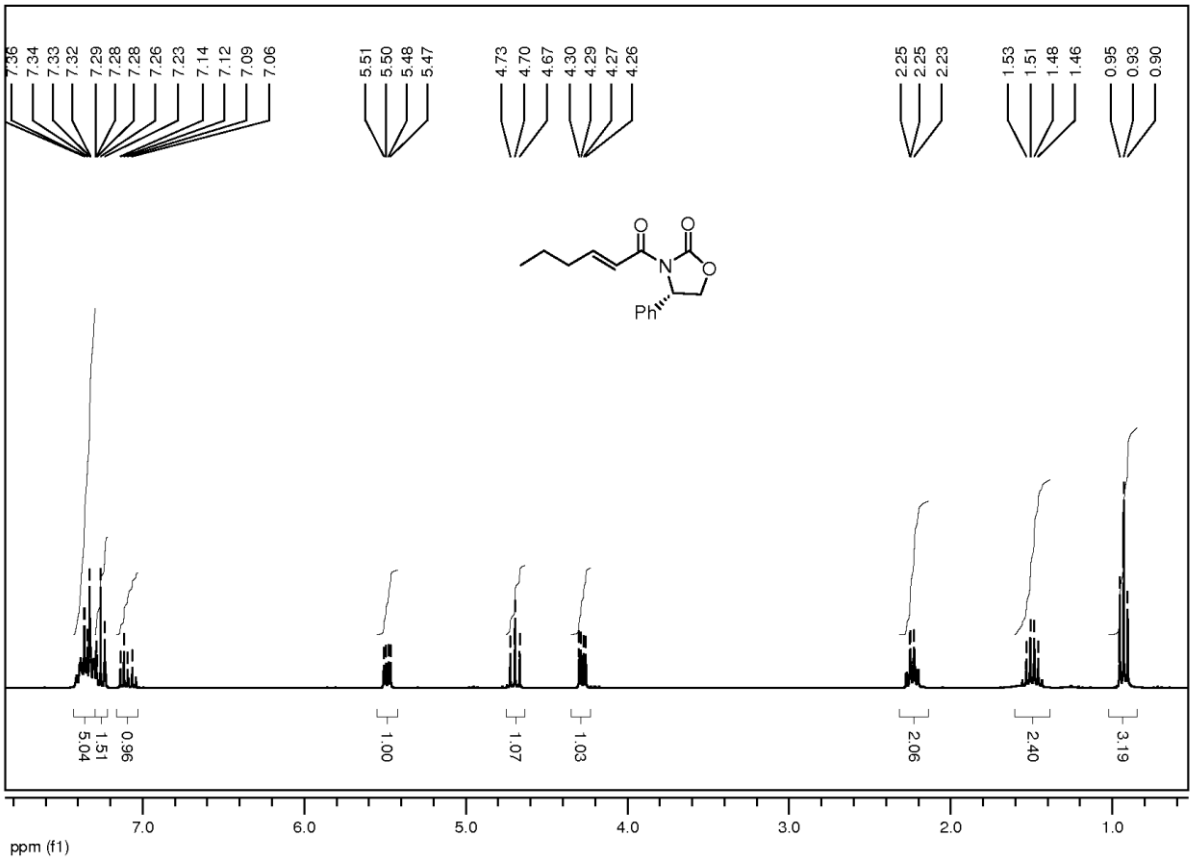

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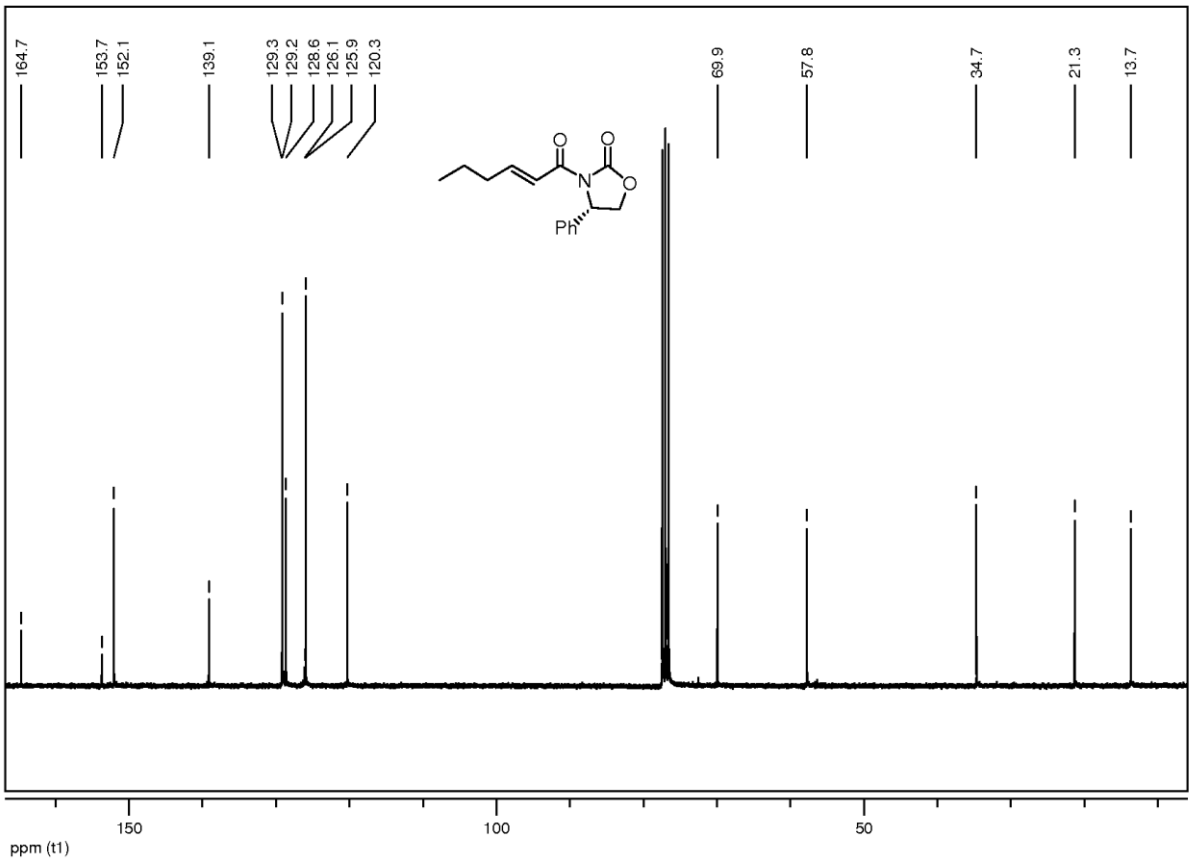

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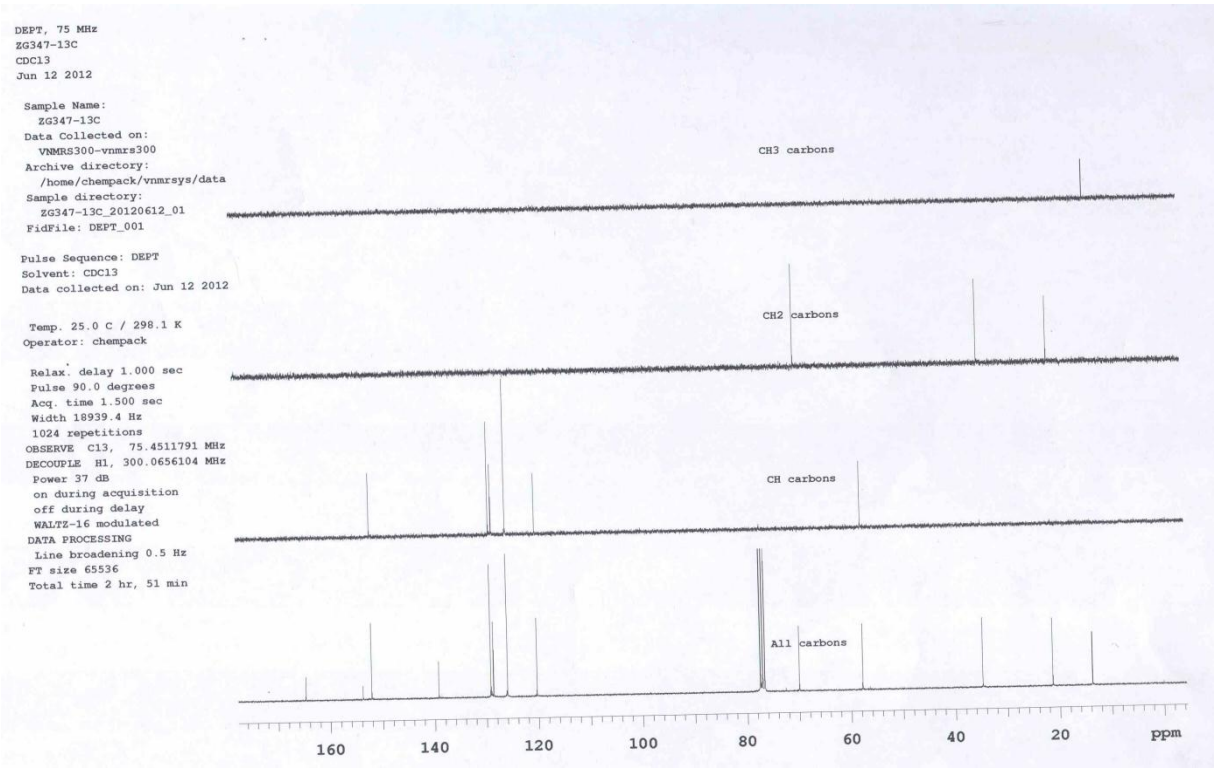

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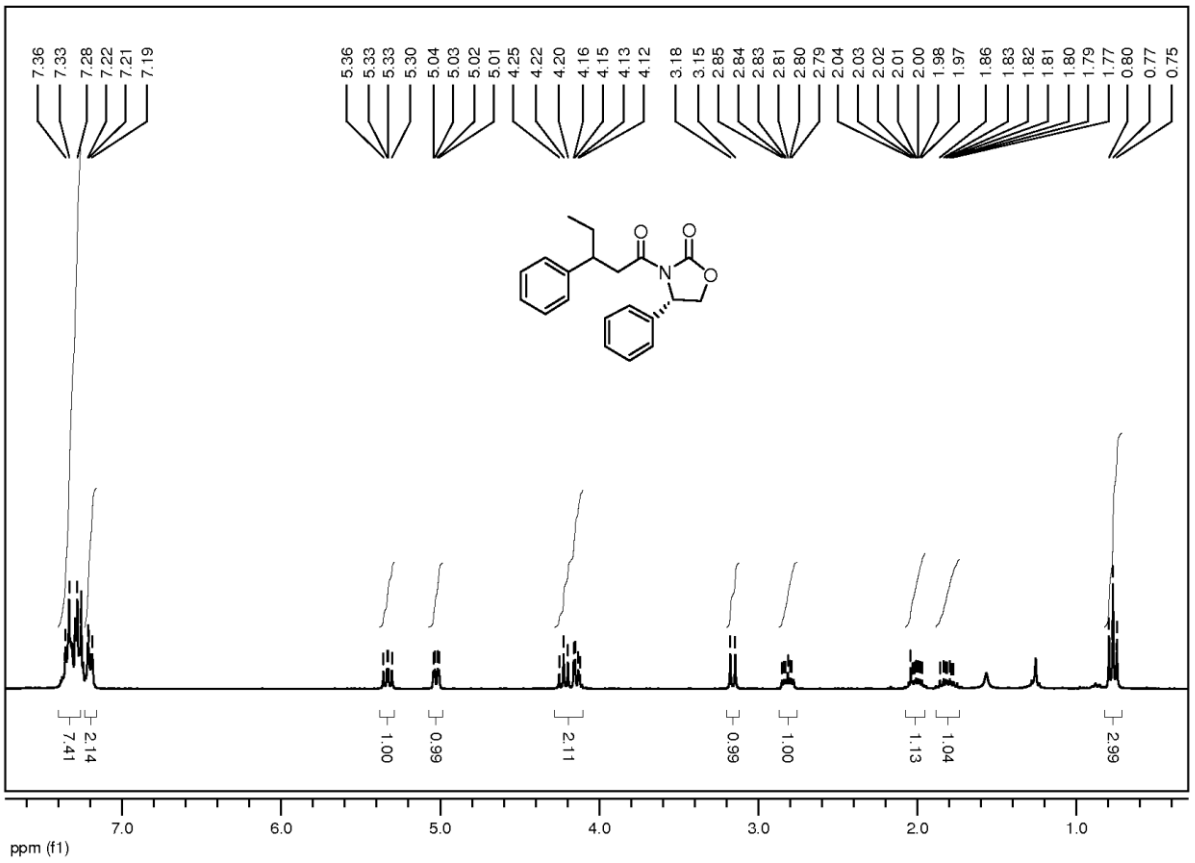

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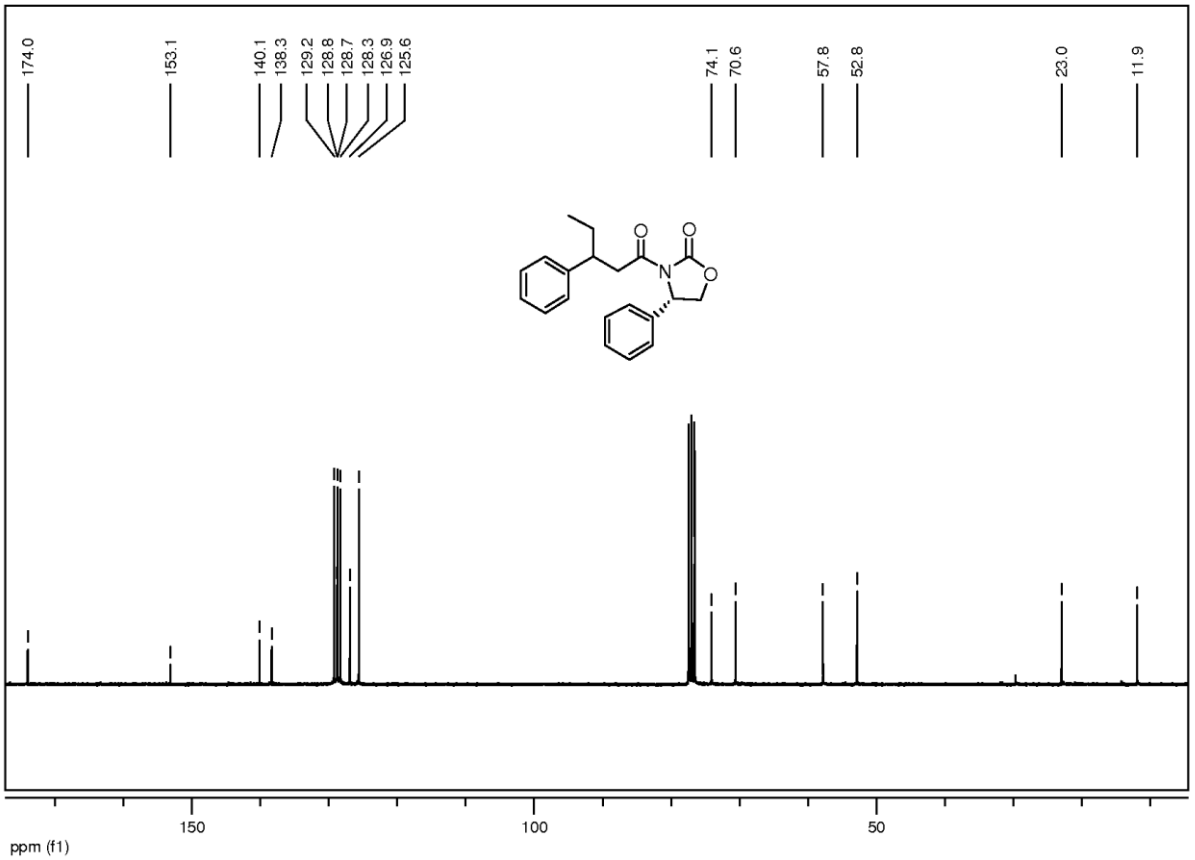

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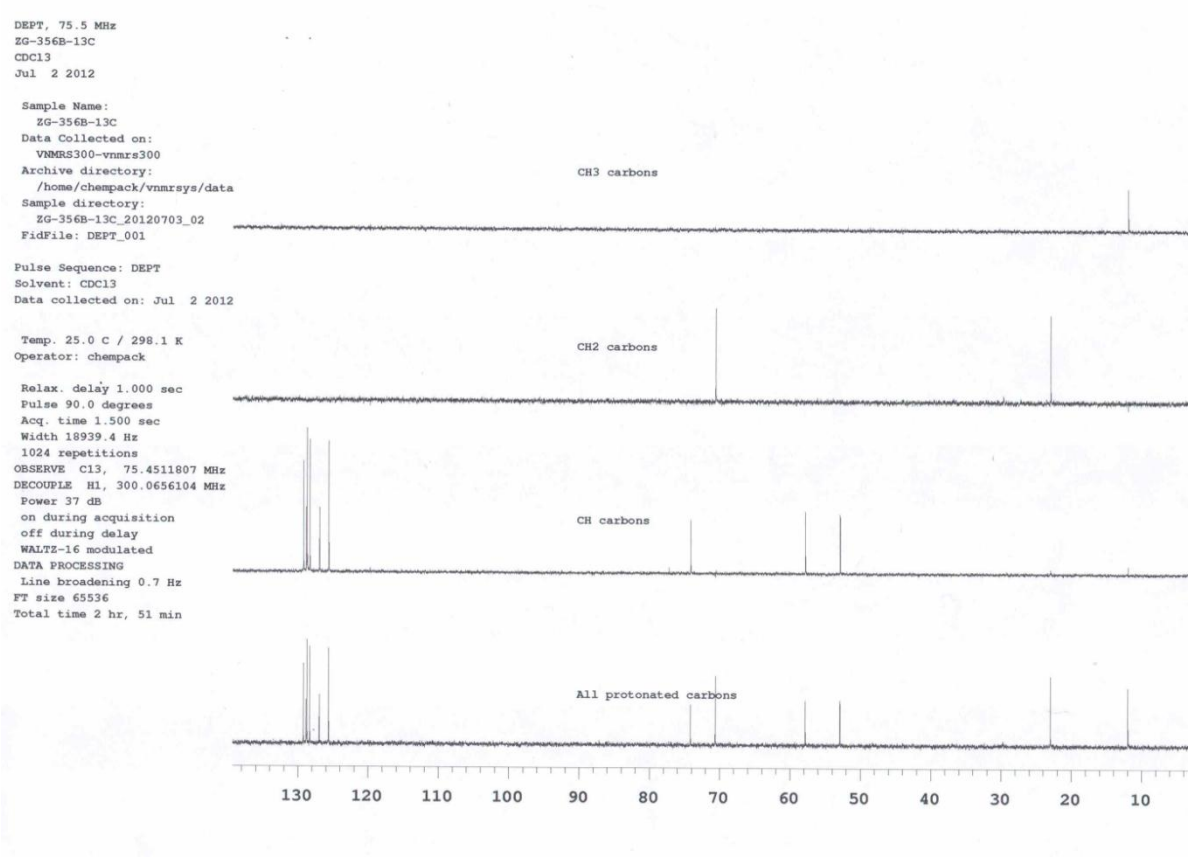

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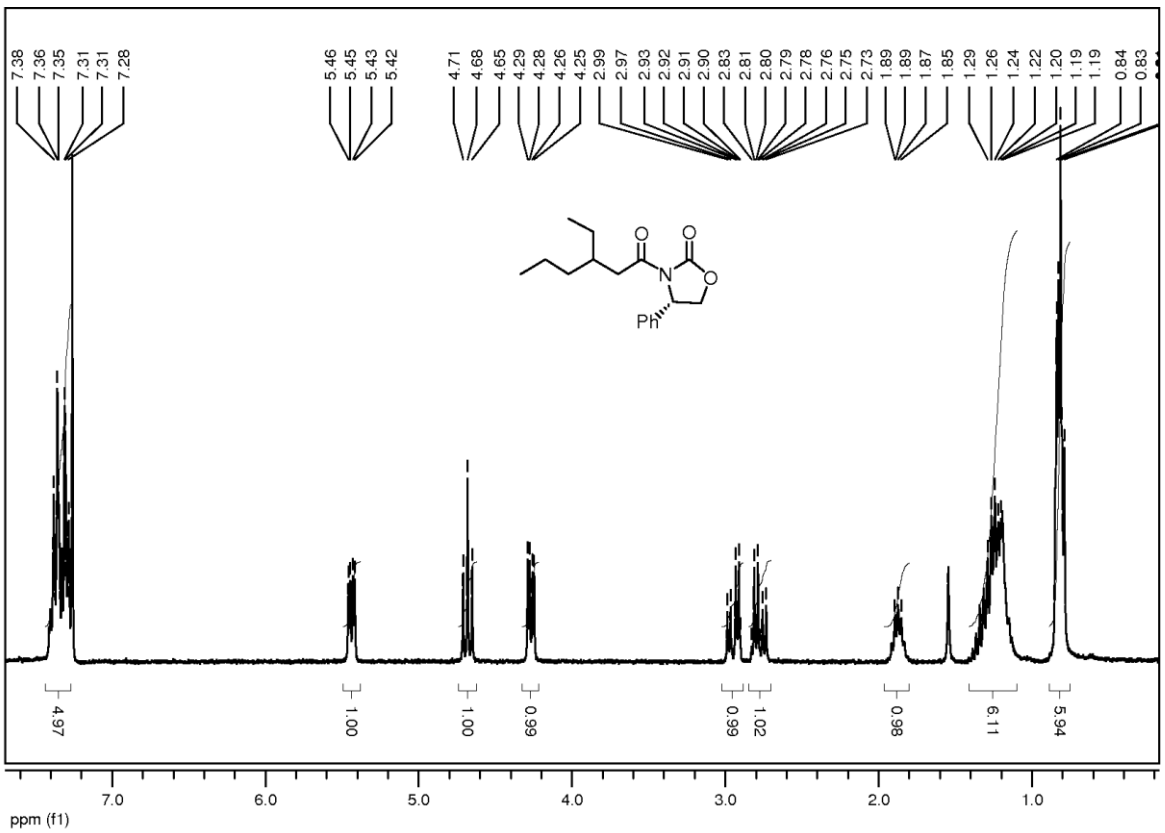

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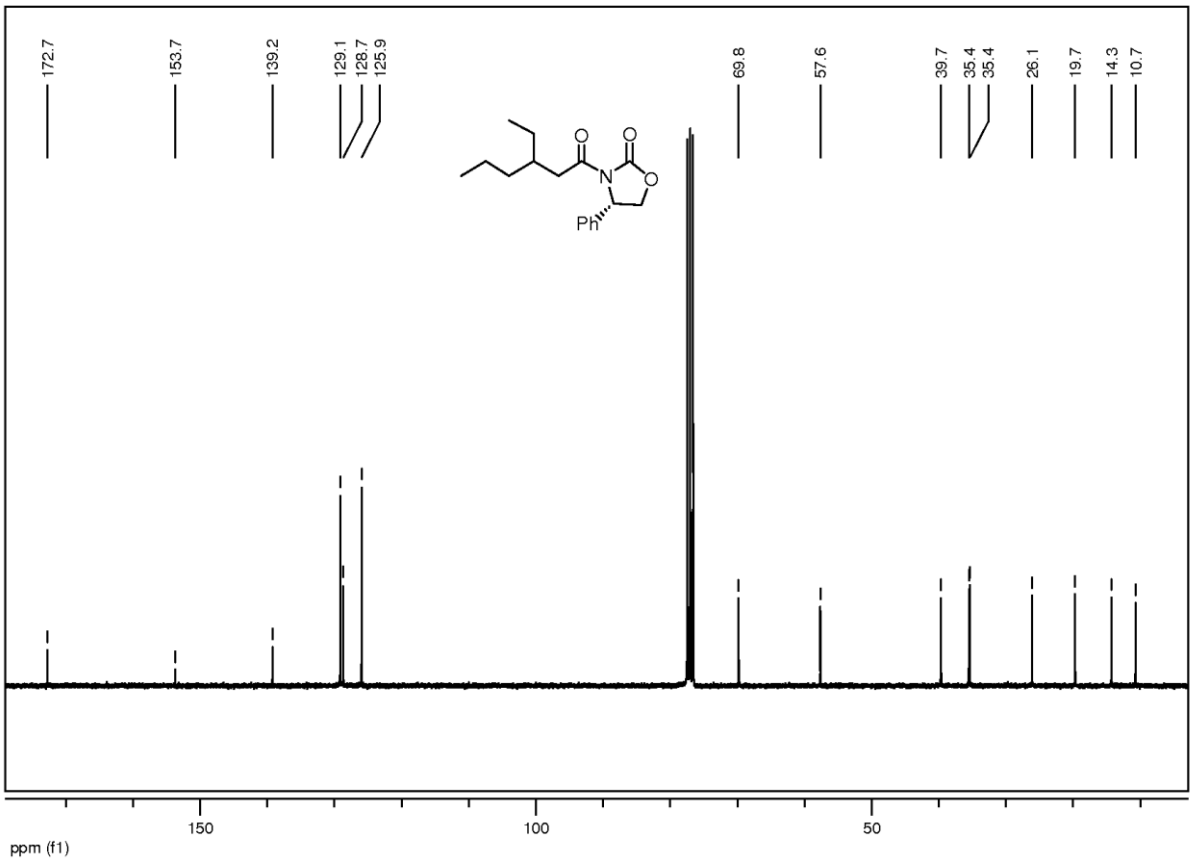

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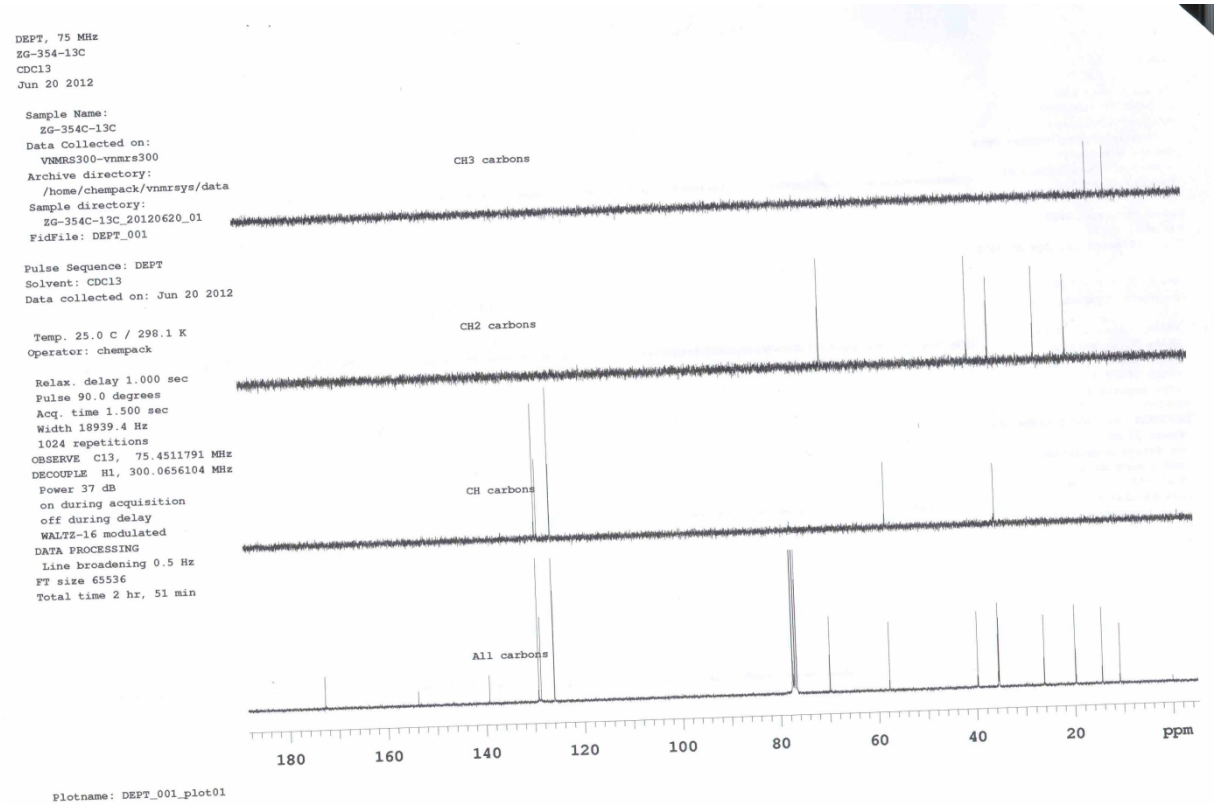

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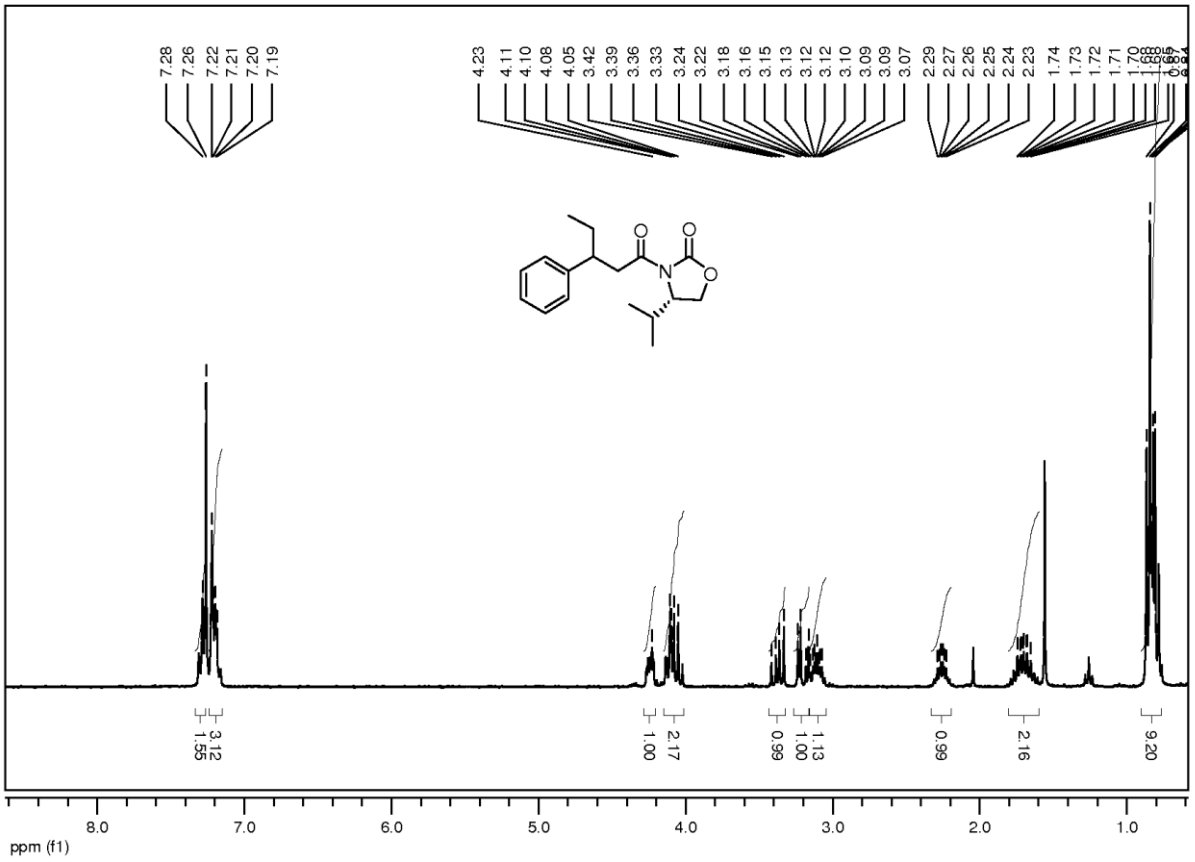

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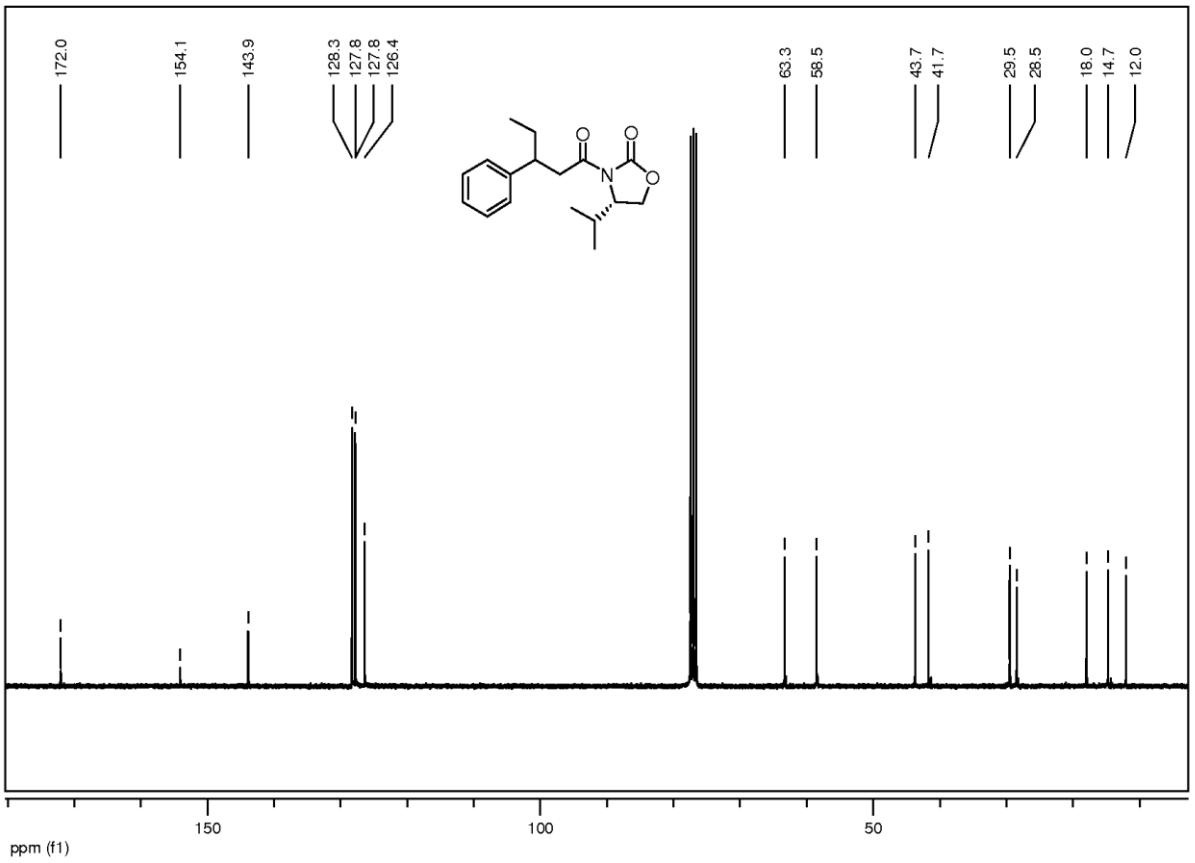

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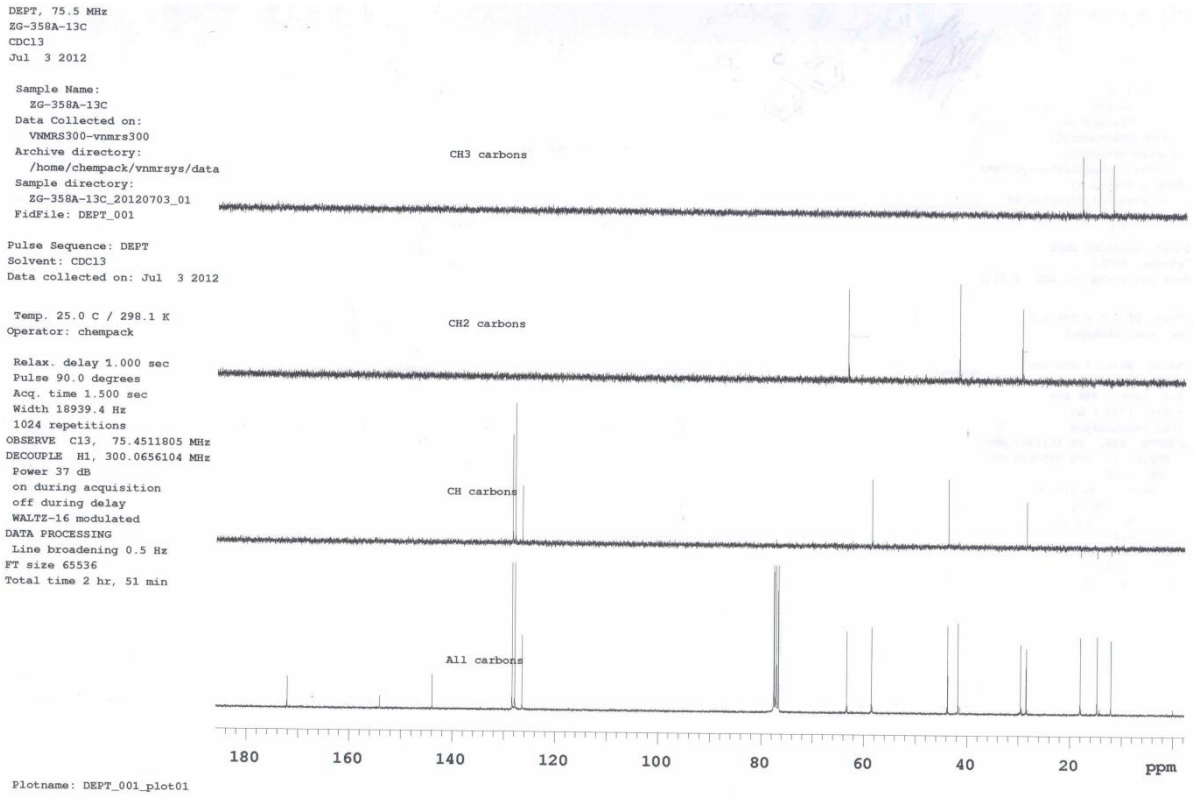

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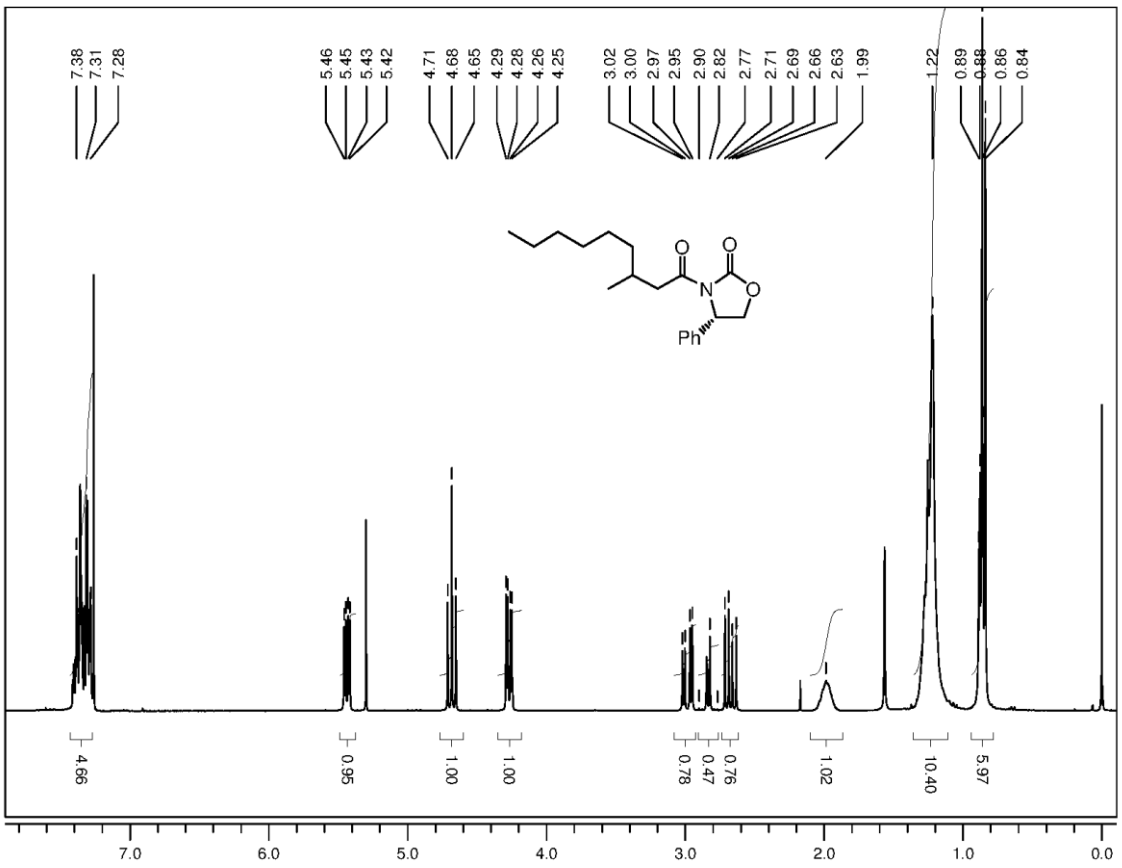

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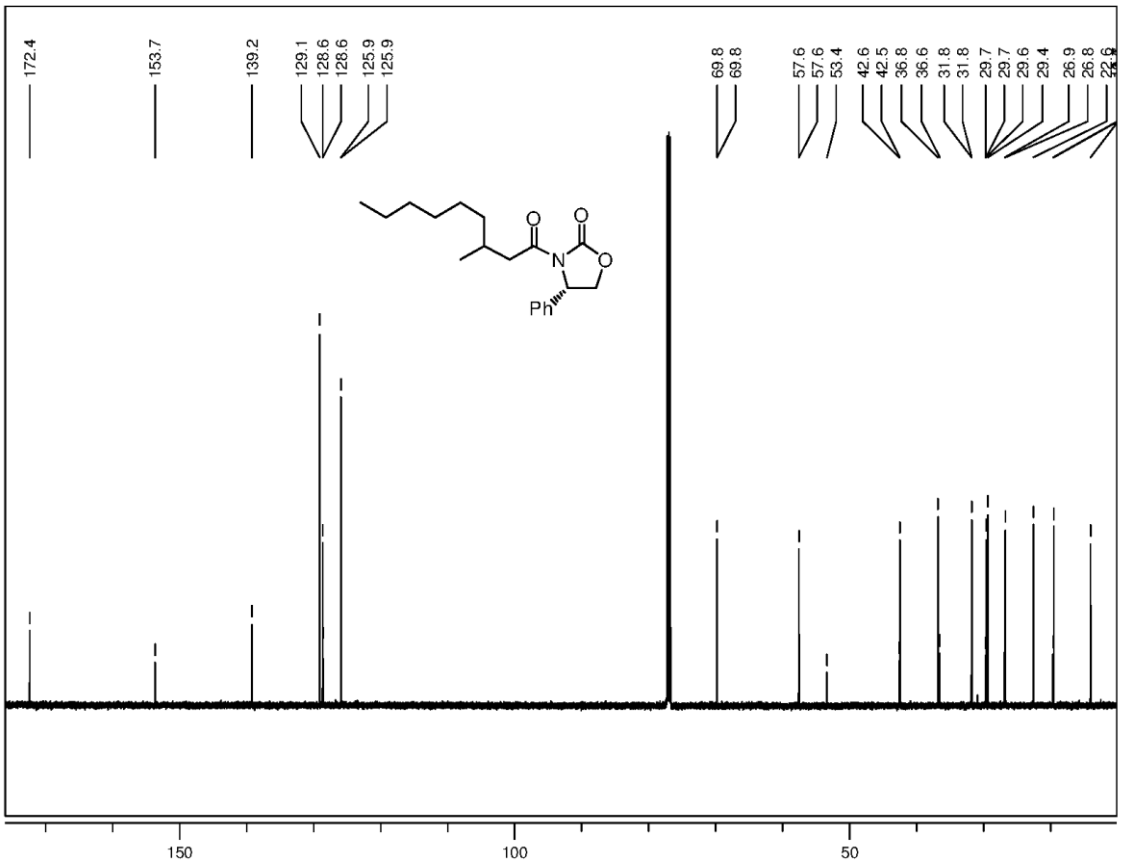

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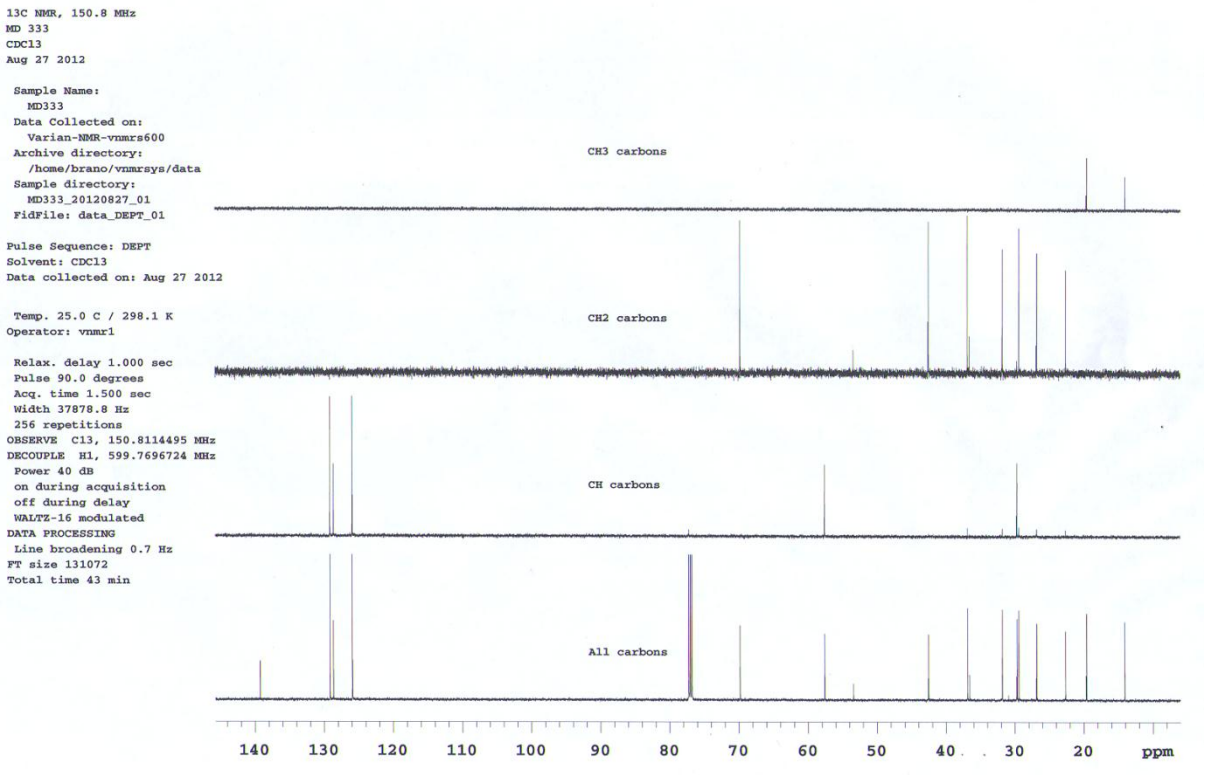

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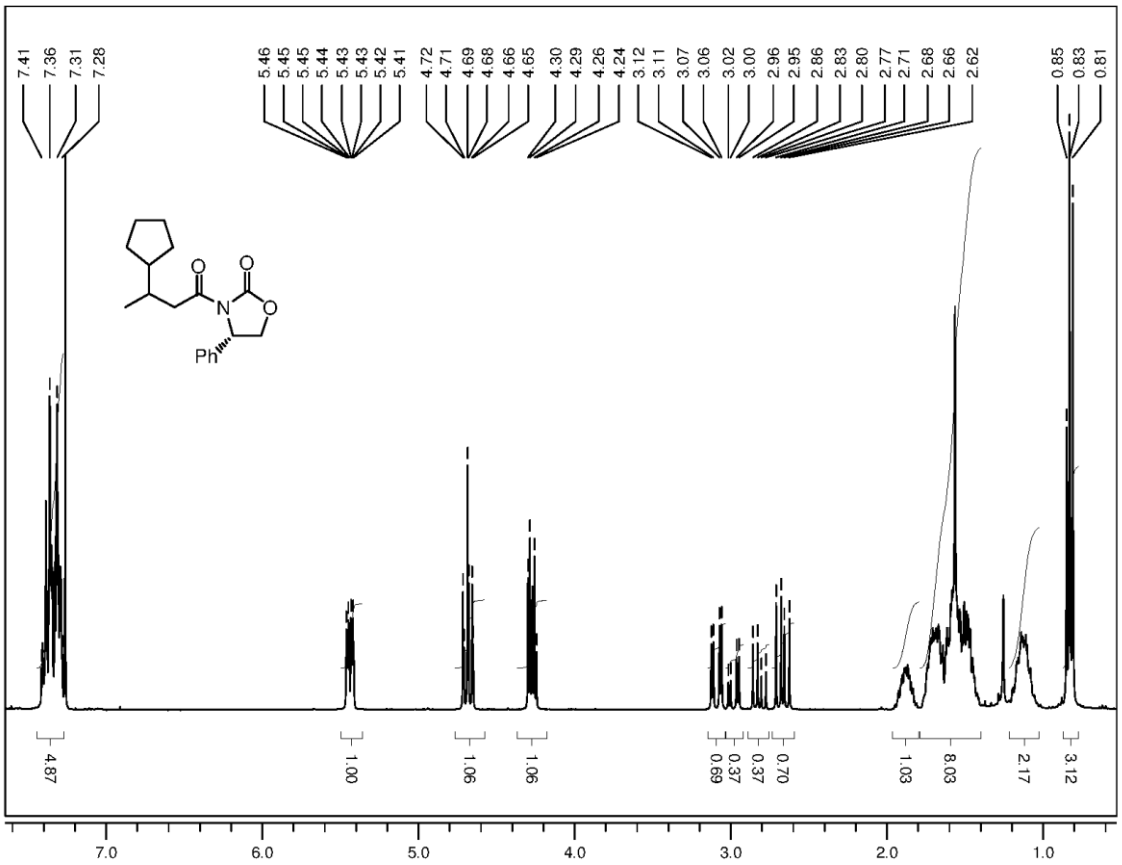

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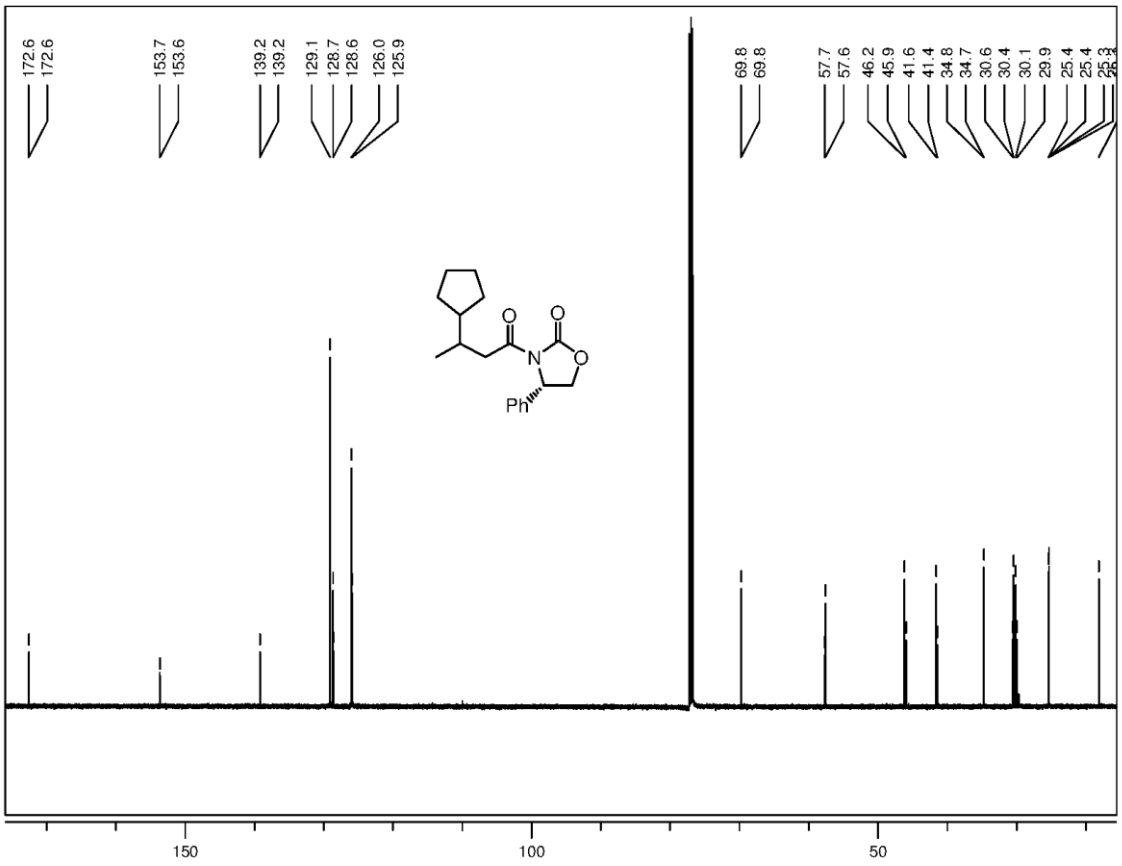

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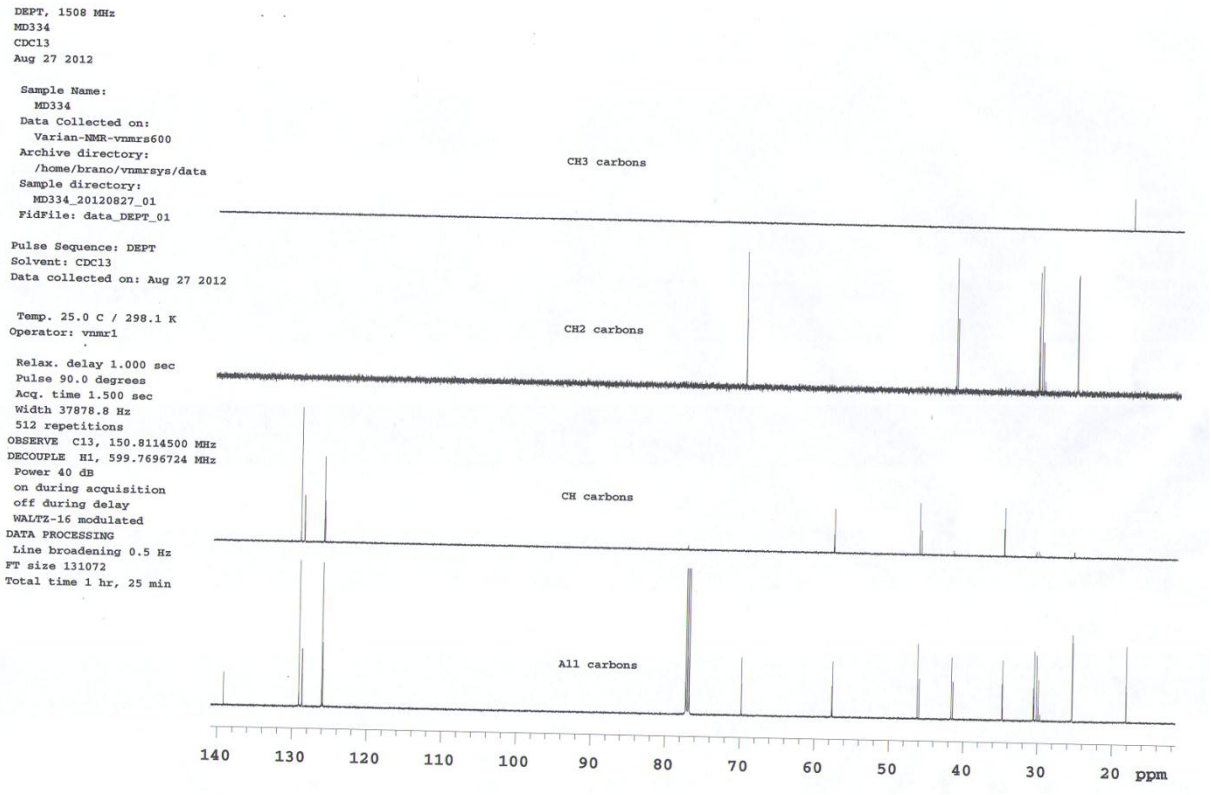

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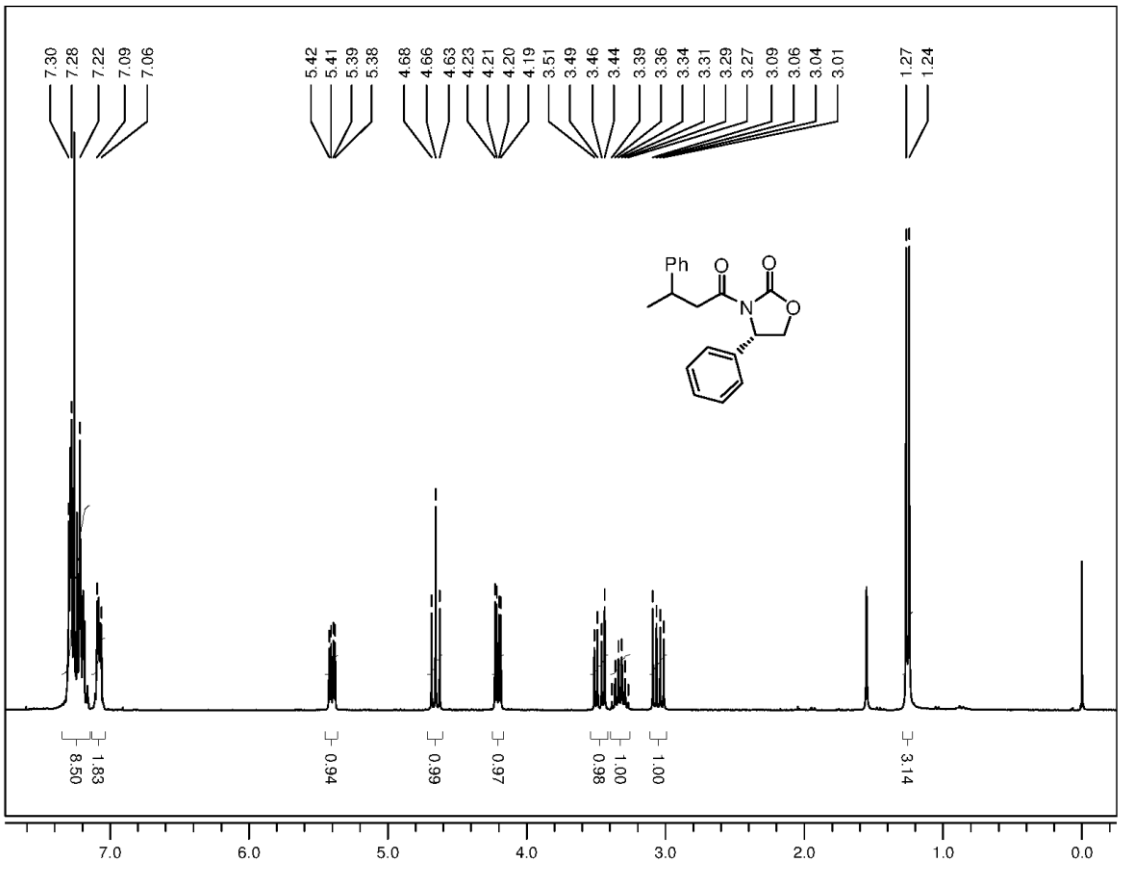

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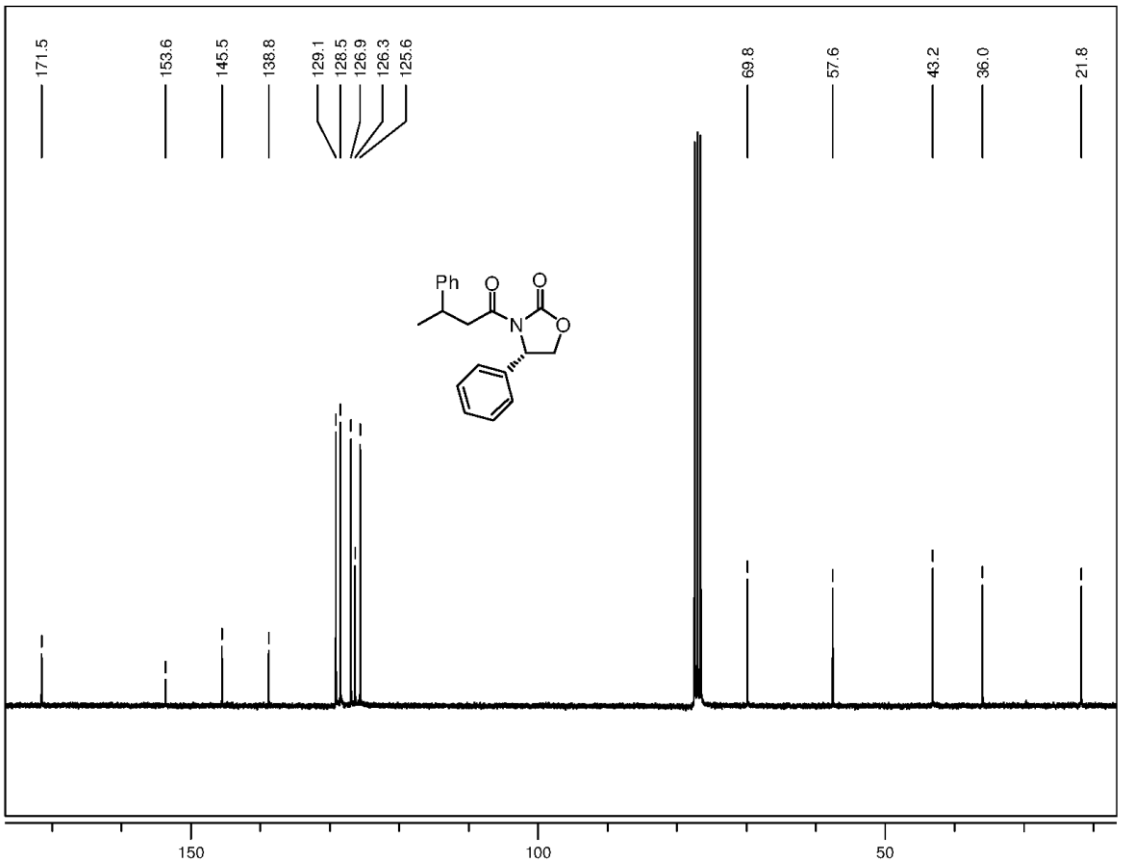

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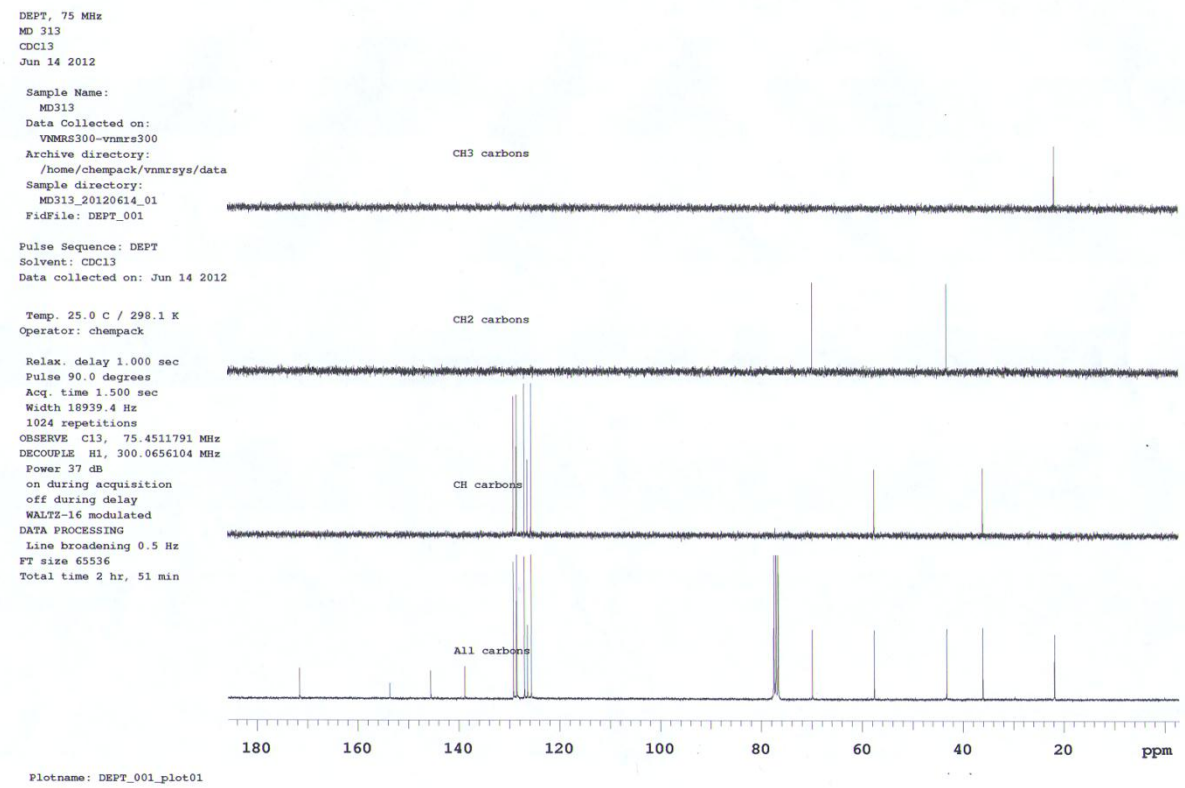

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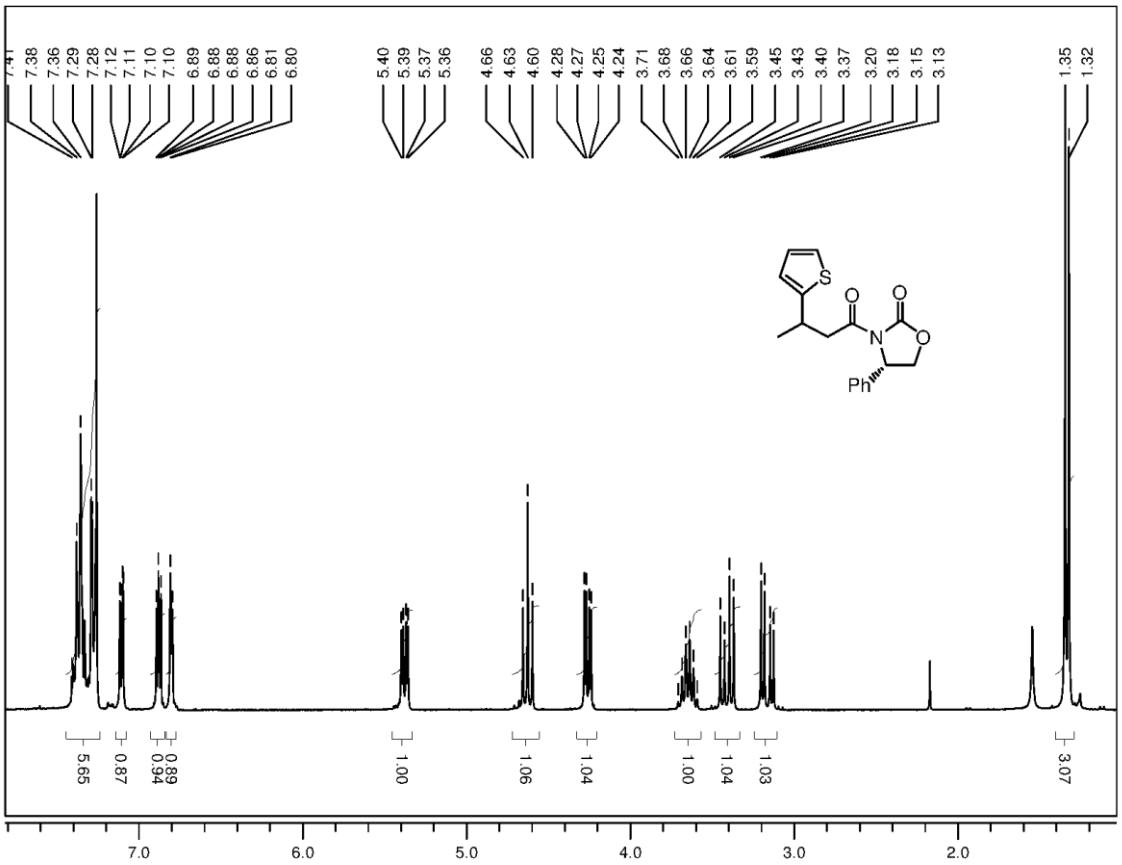

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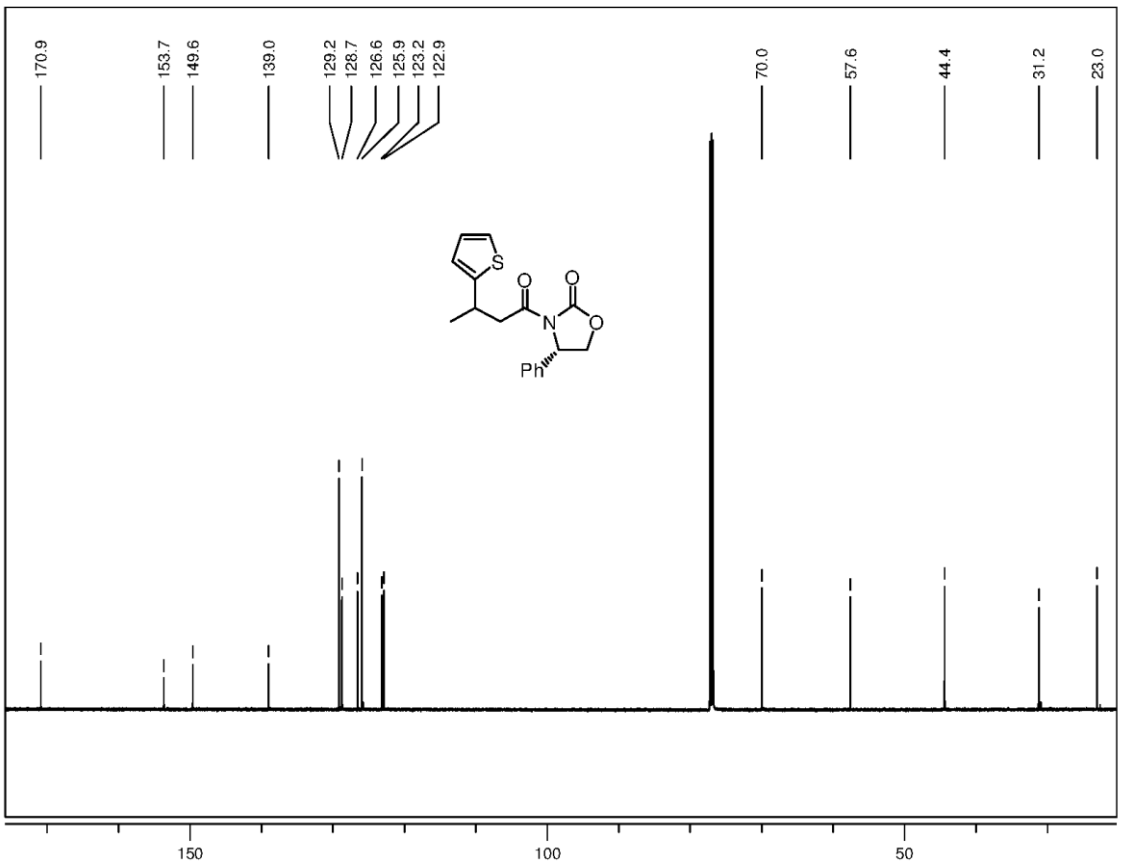

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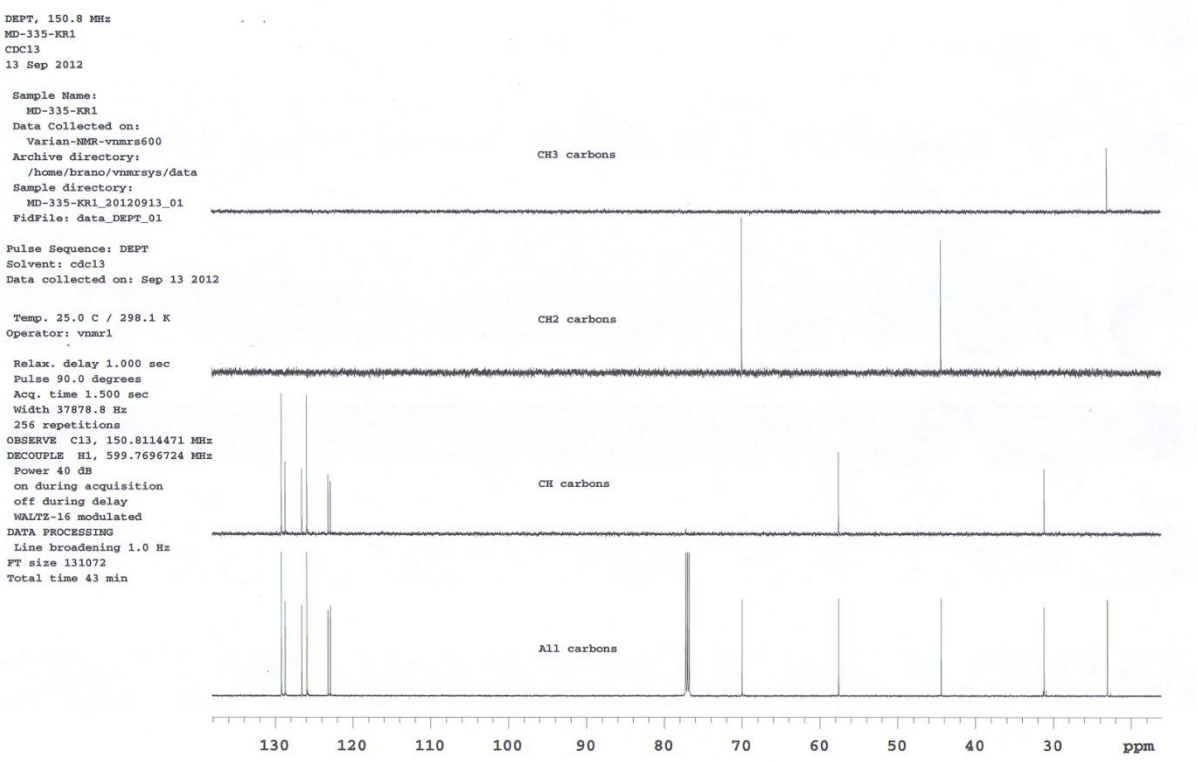
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CDCl3
13 Sep 2012
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Varian-NMR-vnmrs600
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/home/brano/vnmrsys/data
Sample directory:
MD-335-KR1_20120913_01
FidFile: data_DEPT_01
Pulse Sequence: DEPT
Solvent: cdcl3
Data collected on: Sep 13 2012
Temp. 25.0 C / 298.1 K
Operator: vnmr1
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Pulse 90.0 degrees
Acq. time 1.500 sec
Width 37878.8 Hz
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OBSERVE C13, 150.8114471 MHz
DECOUPLE H1, 599.7696724 MHz
Power 40 dB
on during acquisition
off during delay
WALTZ-16 modulated
DATA PROCESSING
Line broadening 1.0 Hz
FT size 131072
Total time 43 min
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CH2 carbons
CH carbons
All carbons
130
120
110
100
90
80
70
60
50
40
30
ppm