

New Journal of Chemistry

Supporting information

Design, synthesis, and biological activity assay of malononitrile oxime ethers compounds as effective fungicides

Simin Wang,^a Zhixiang Zhao,^a Li Zhang,^a Jianjun Zhang,^a Huizhe Lu^a and Yanhong Dong^{*a}

*a Department of Chemistry and Innovation Center of Pesticide Research, College of Science,
China Agricultural University, Beijing 100193, China*

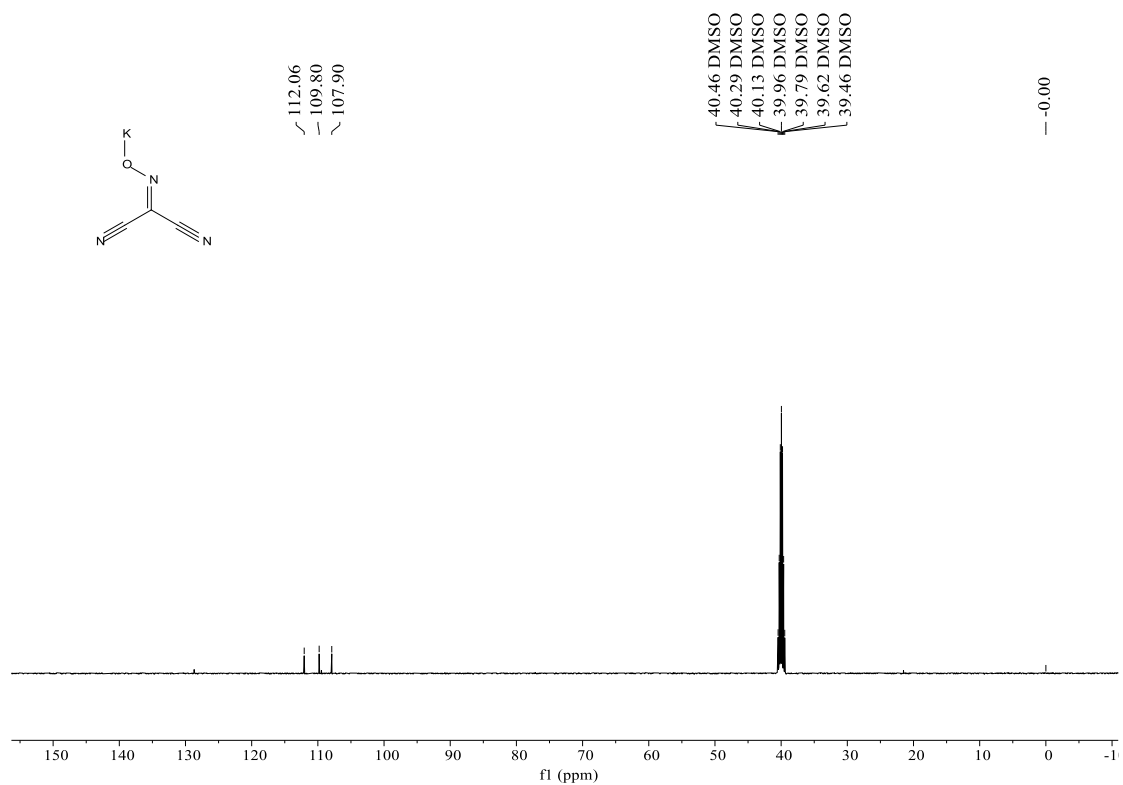
Contents

^1H NMR spectrum and ^{13}C NMR spectrum	S3
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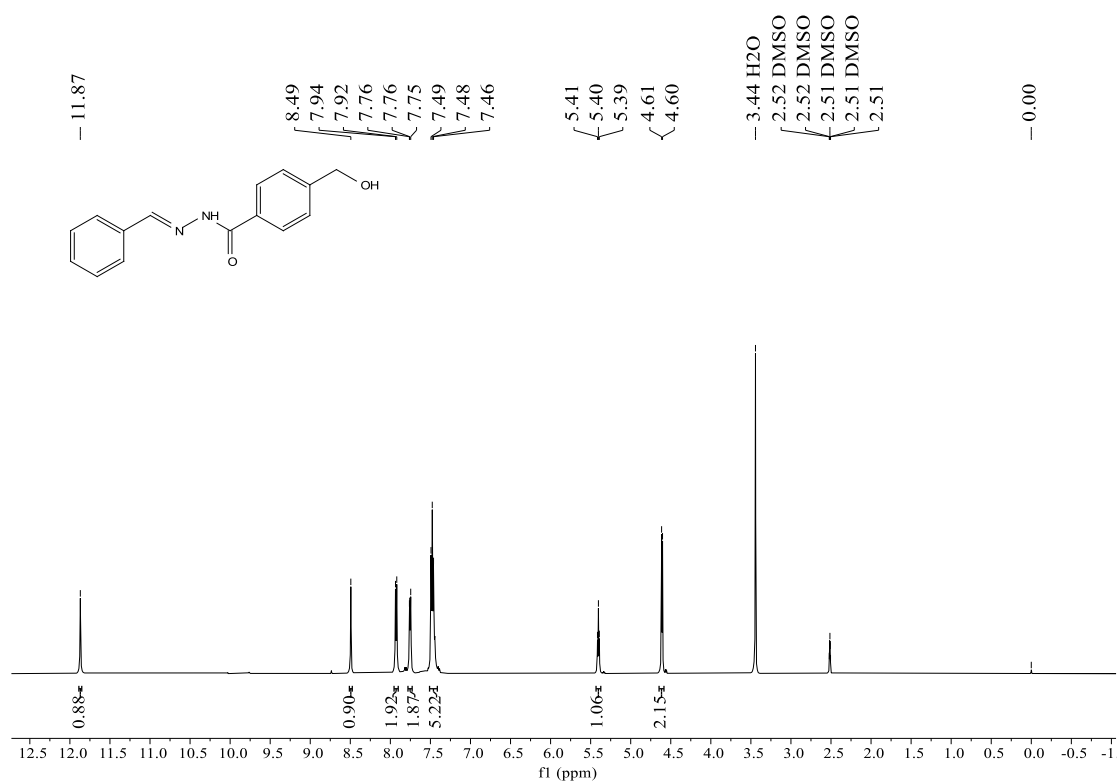
¹H NMR spectrum and ¹³C NMR spectrum



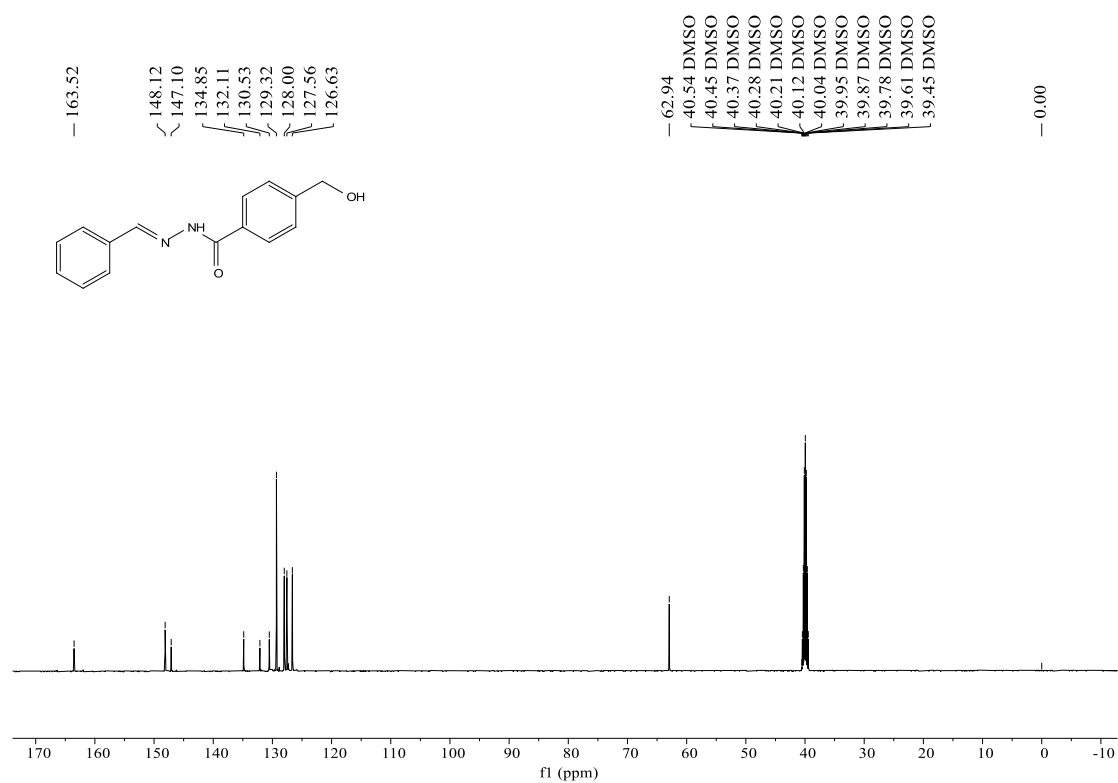
¹H NMR for compound a



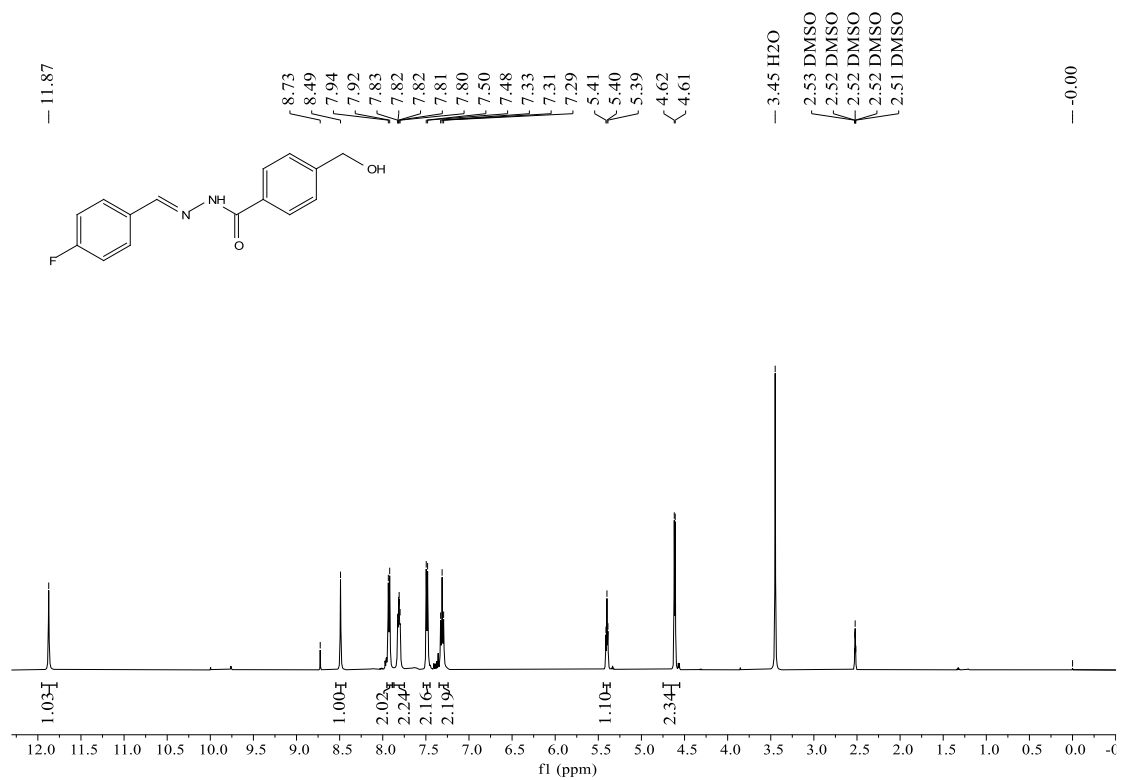
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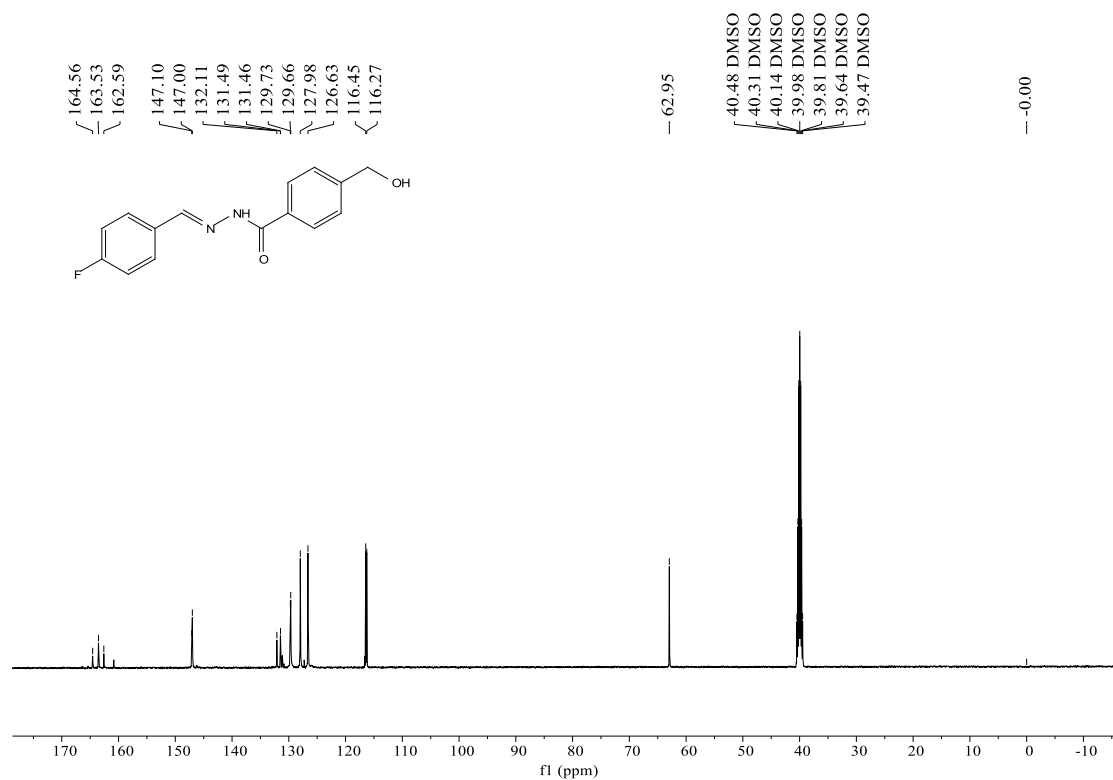
¹H NMR for compound J1



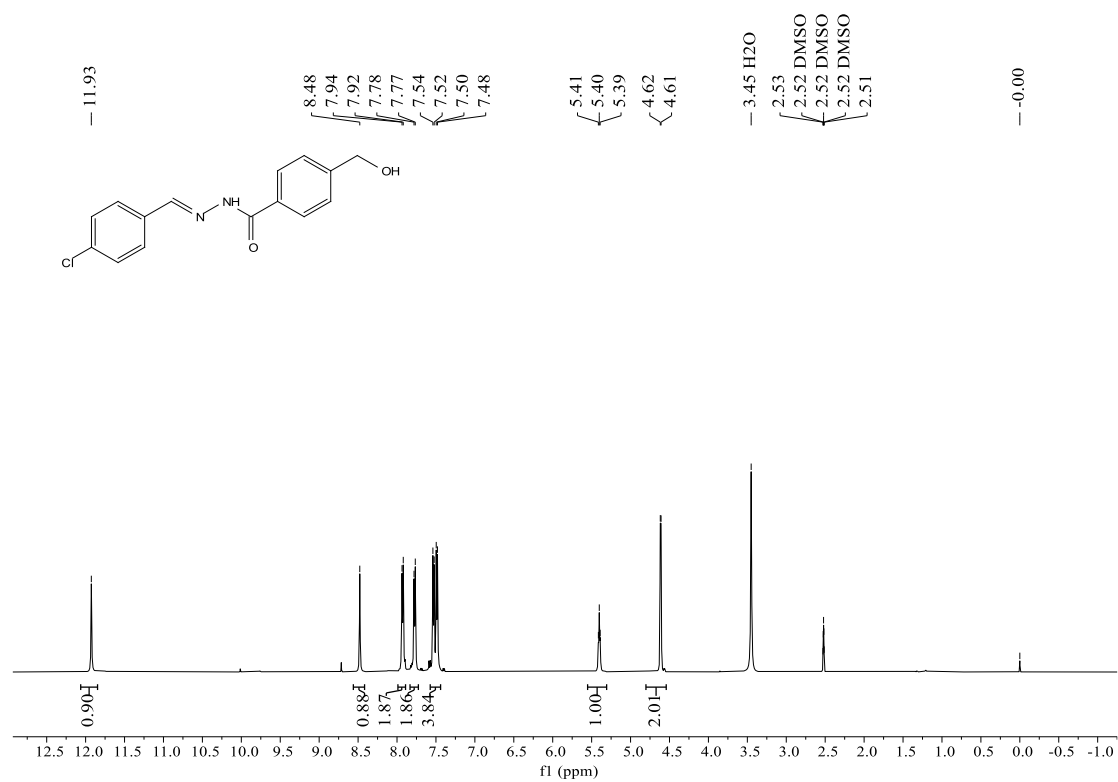
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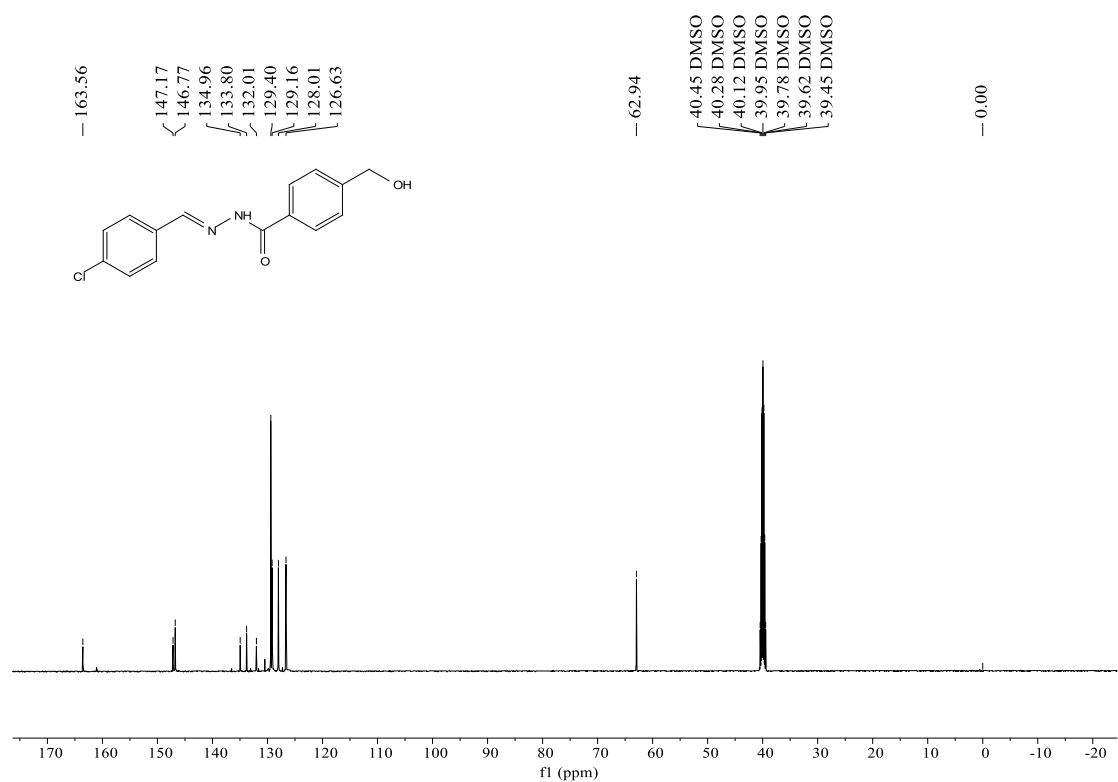
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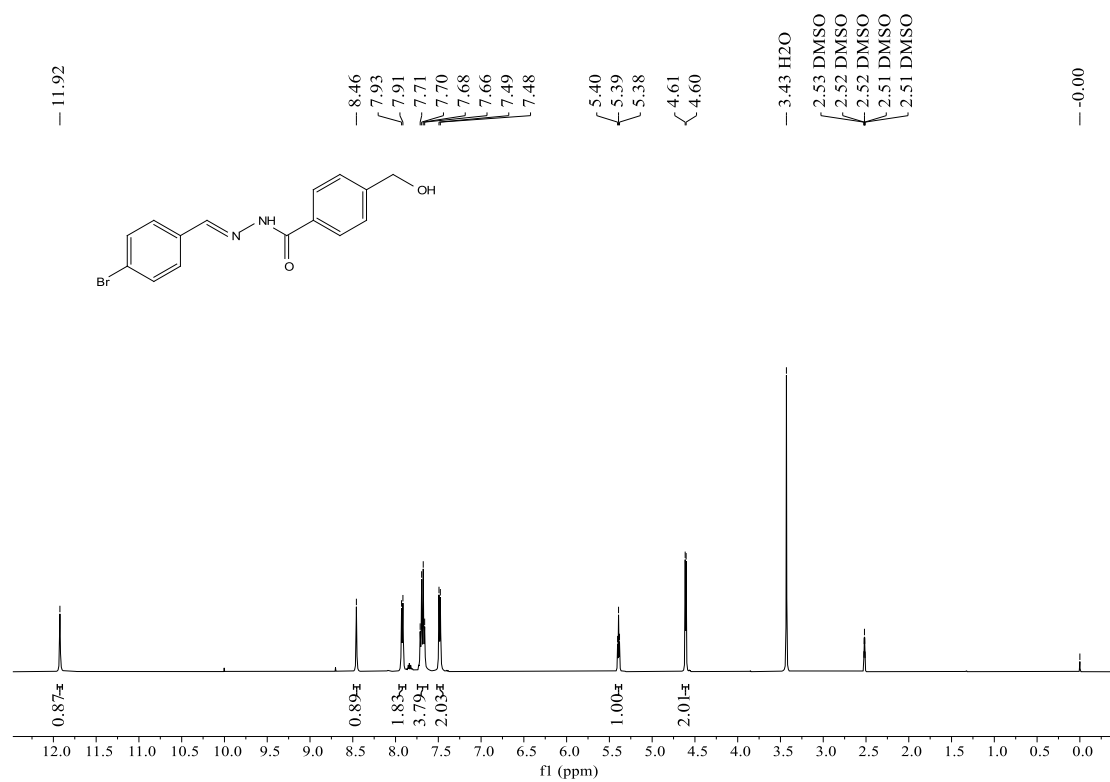
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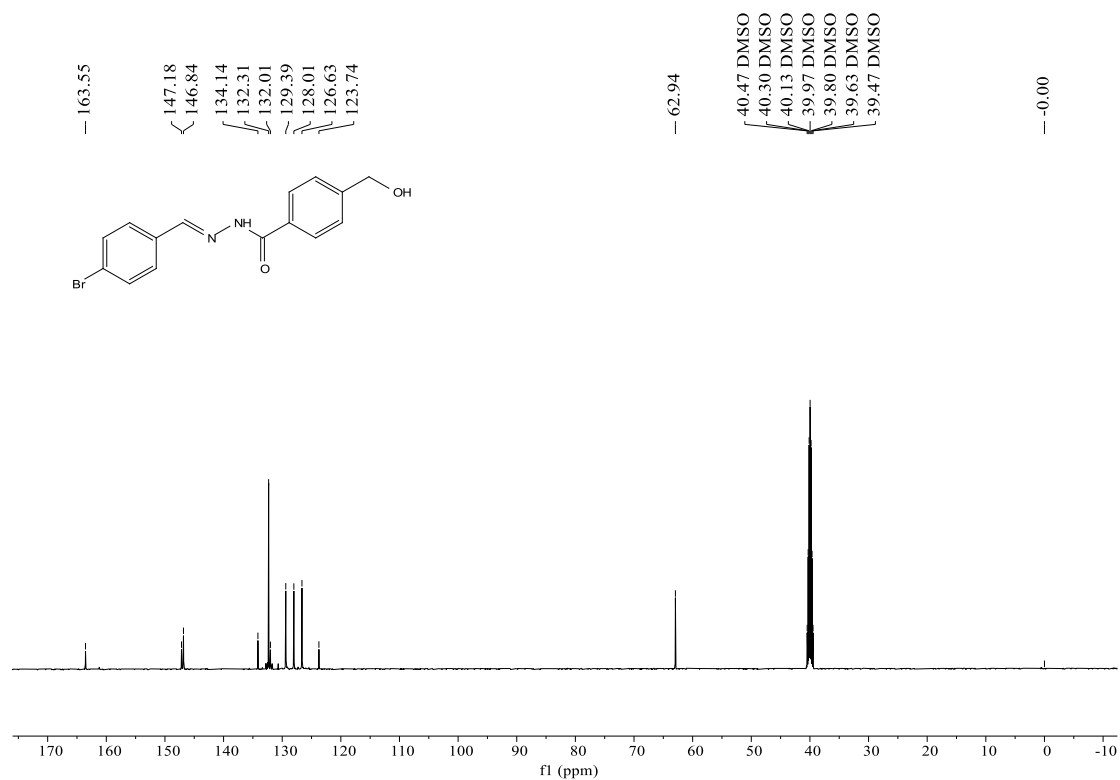
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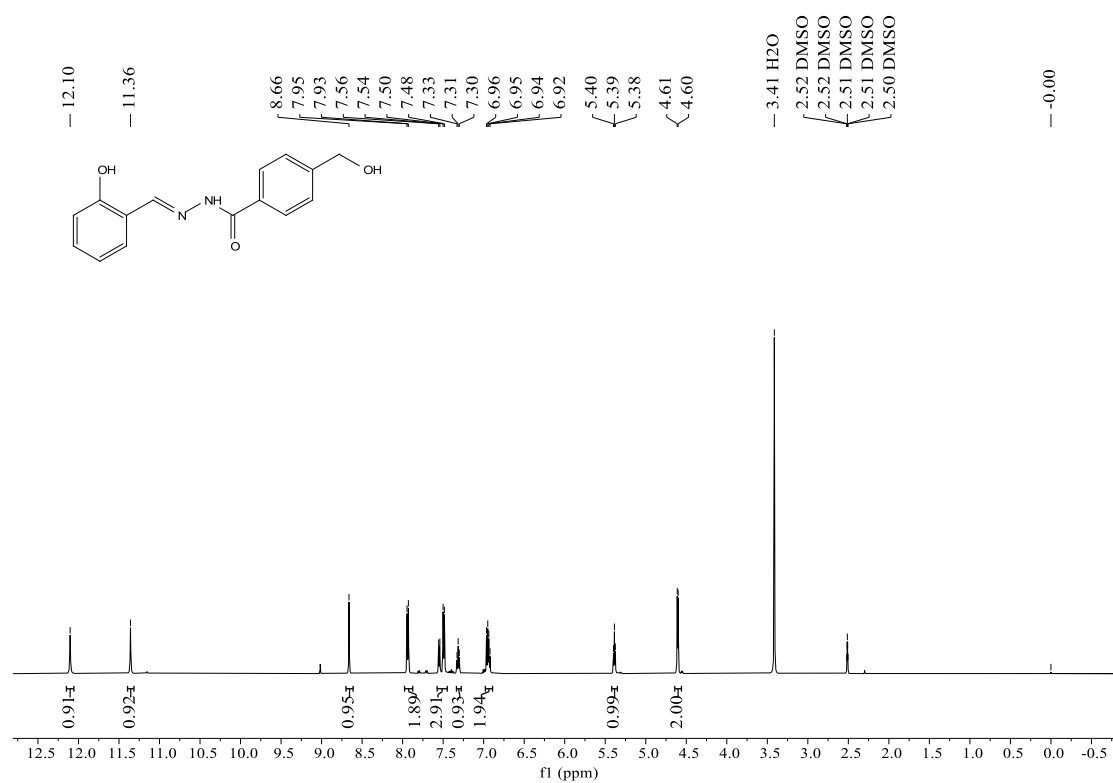
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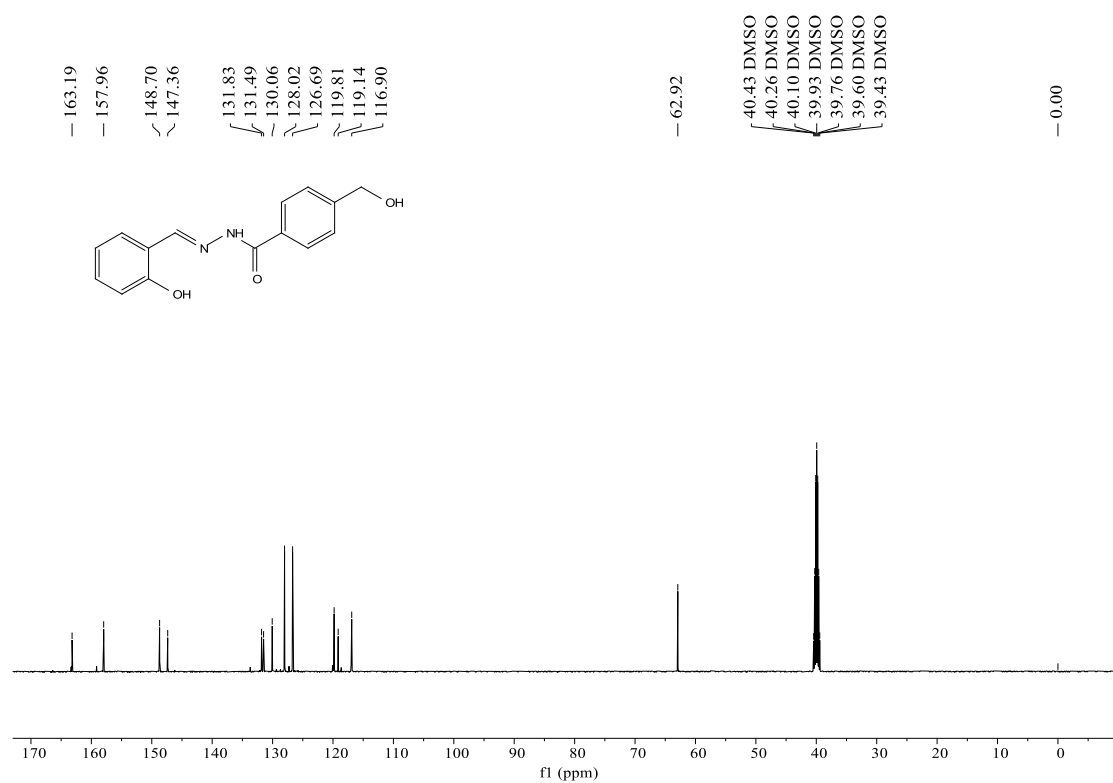
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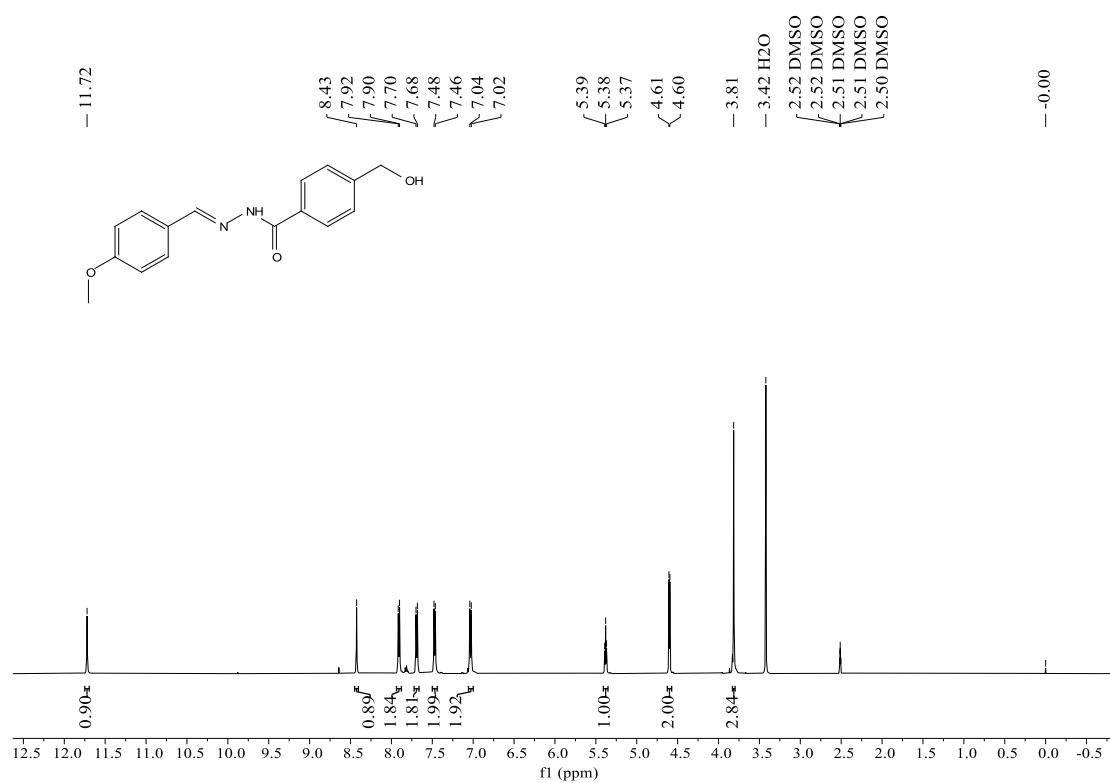
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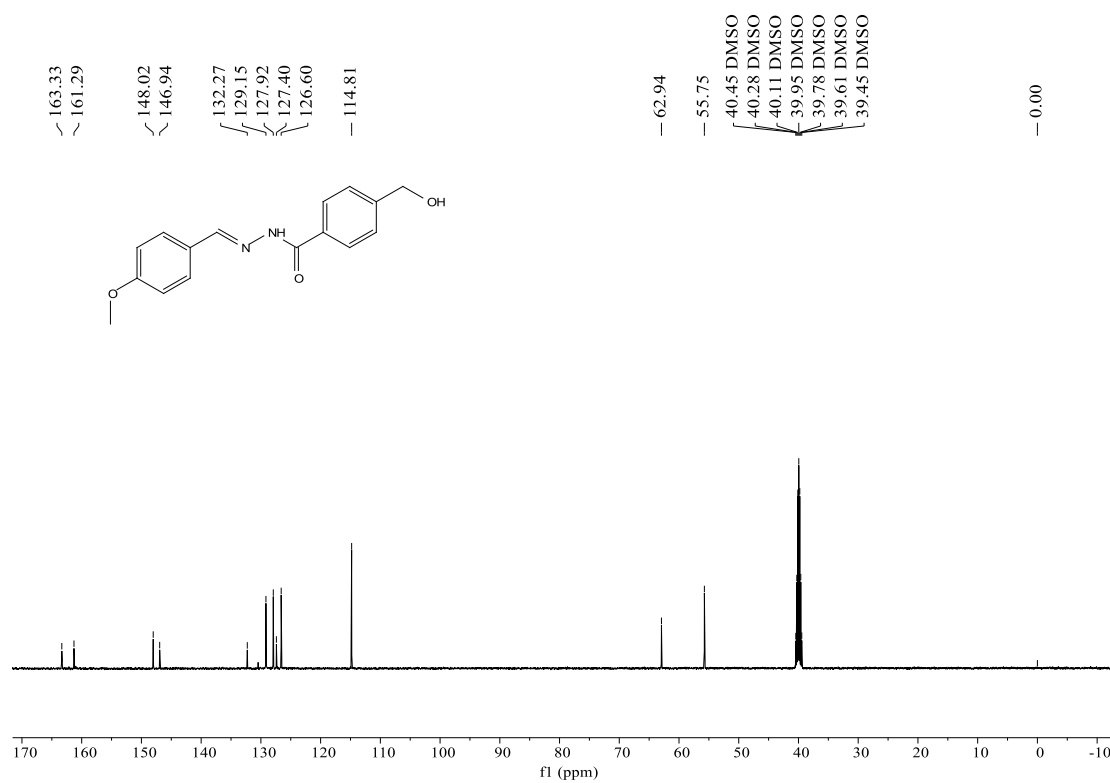
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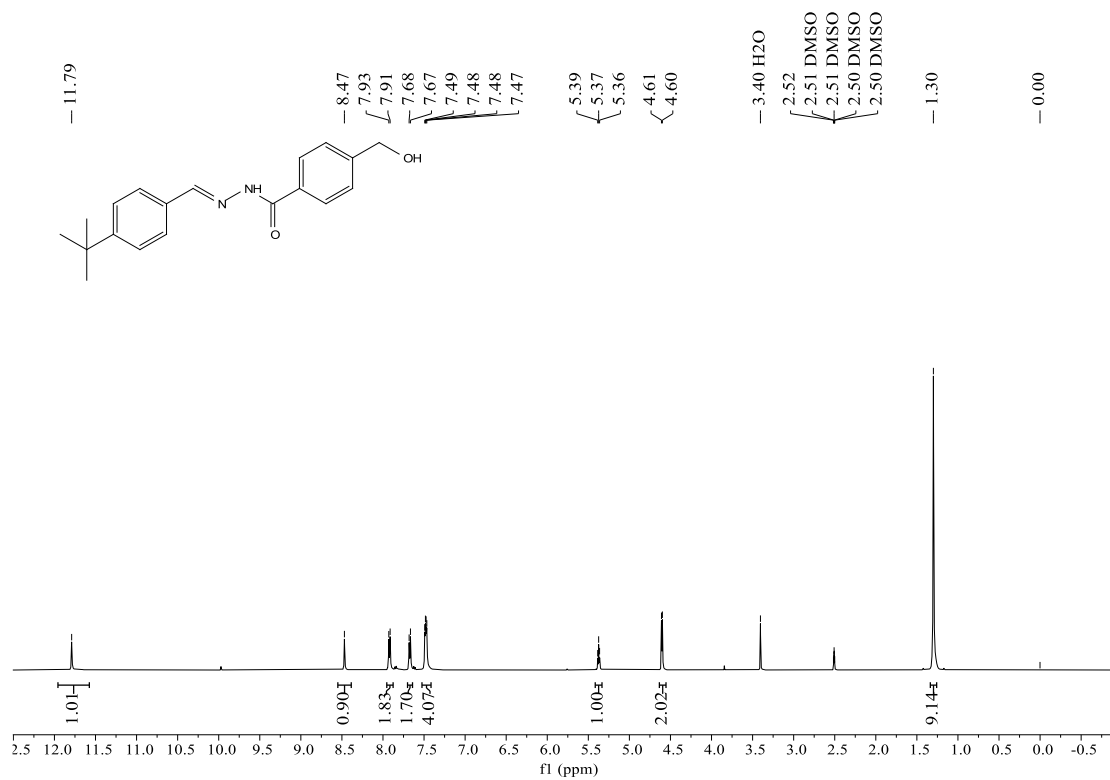
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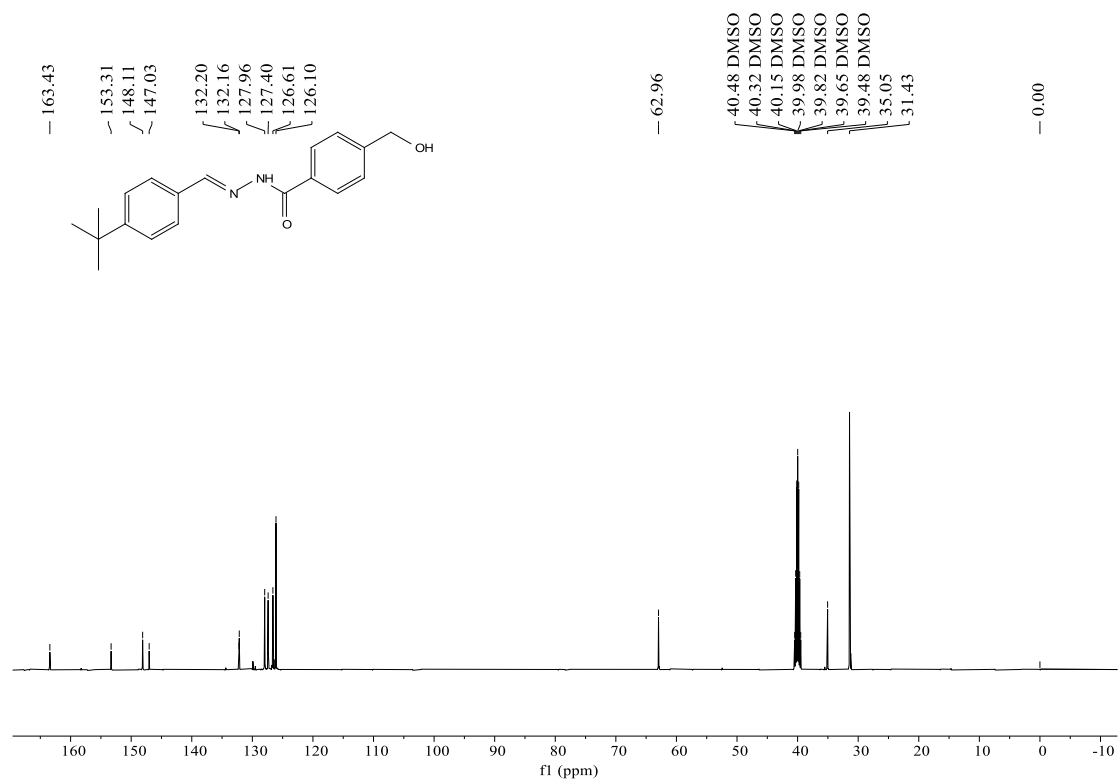
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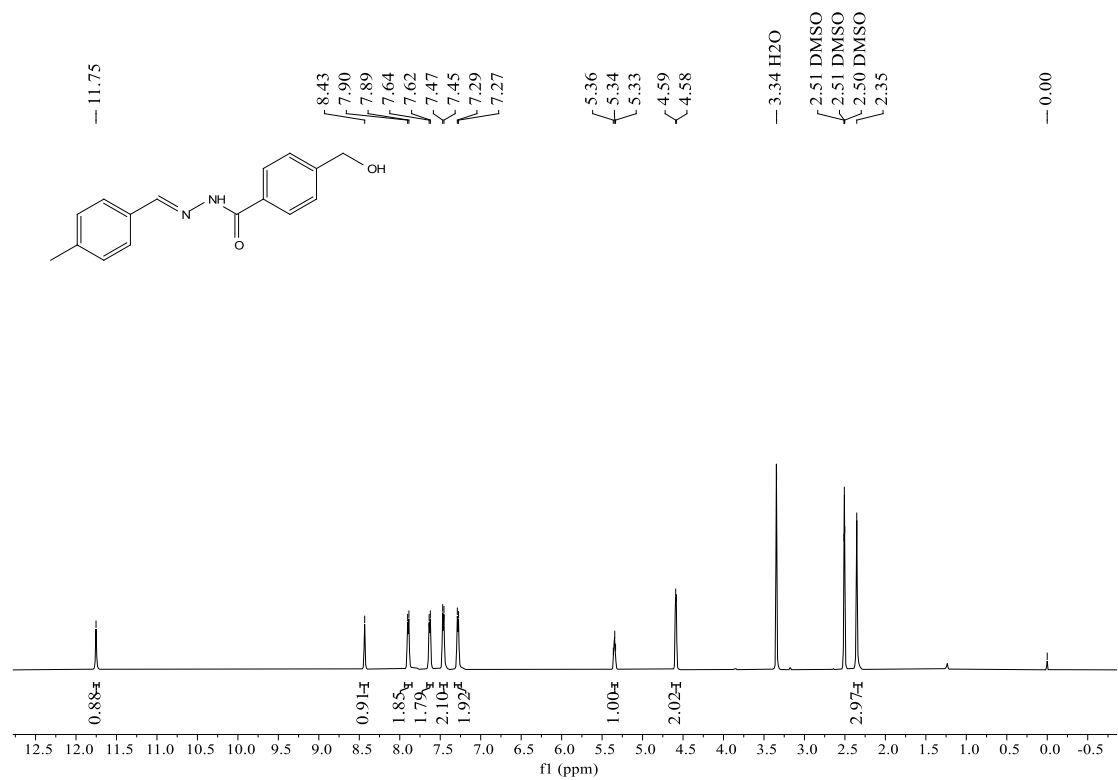
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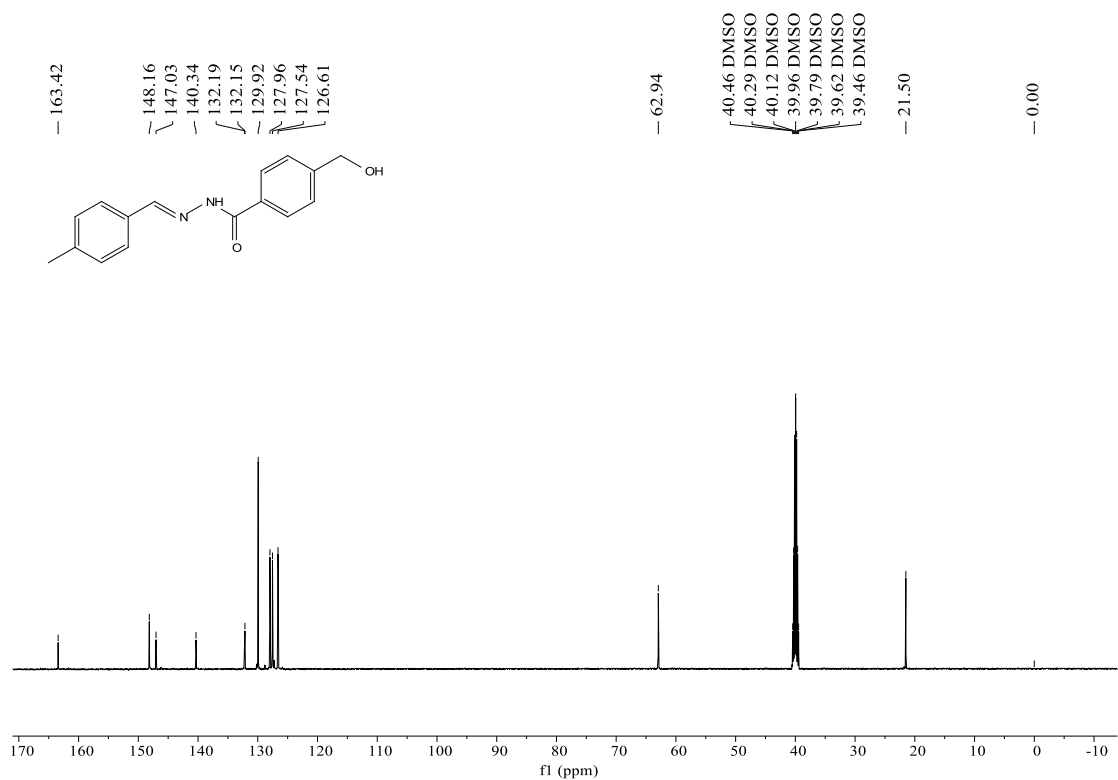
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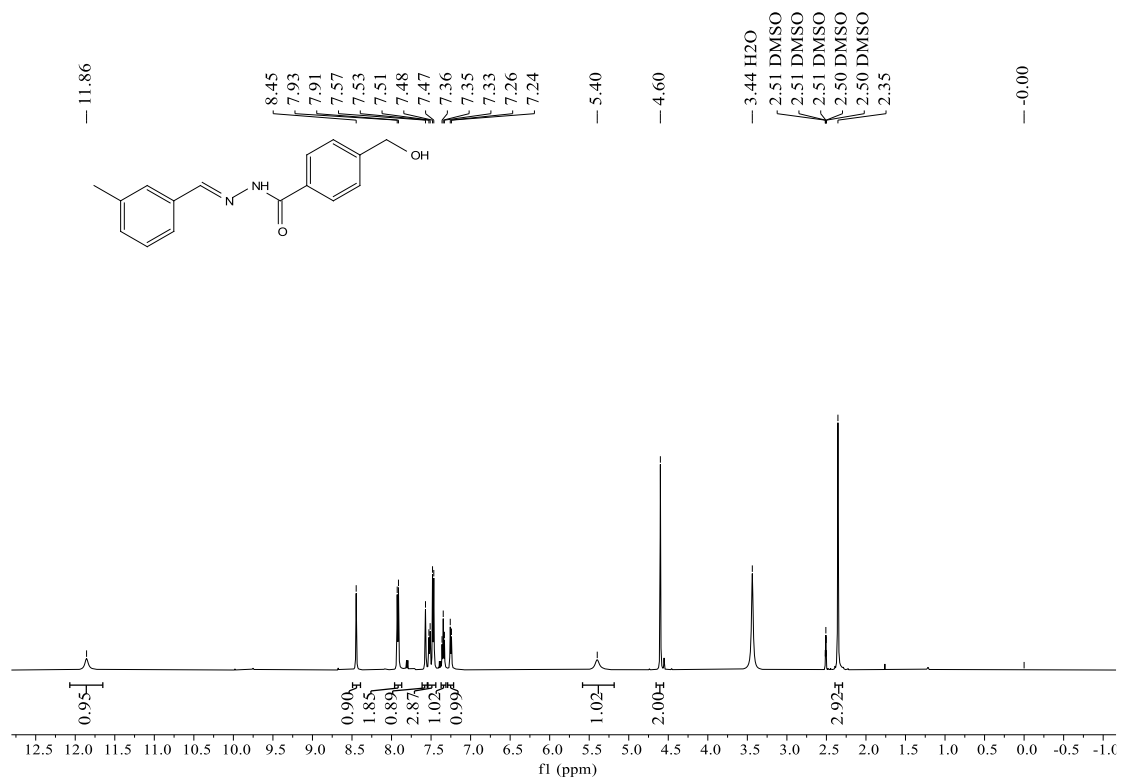
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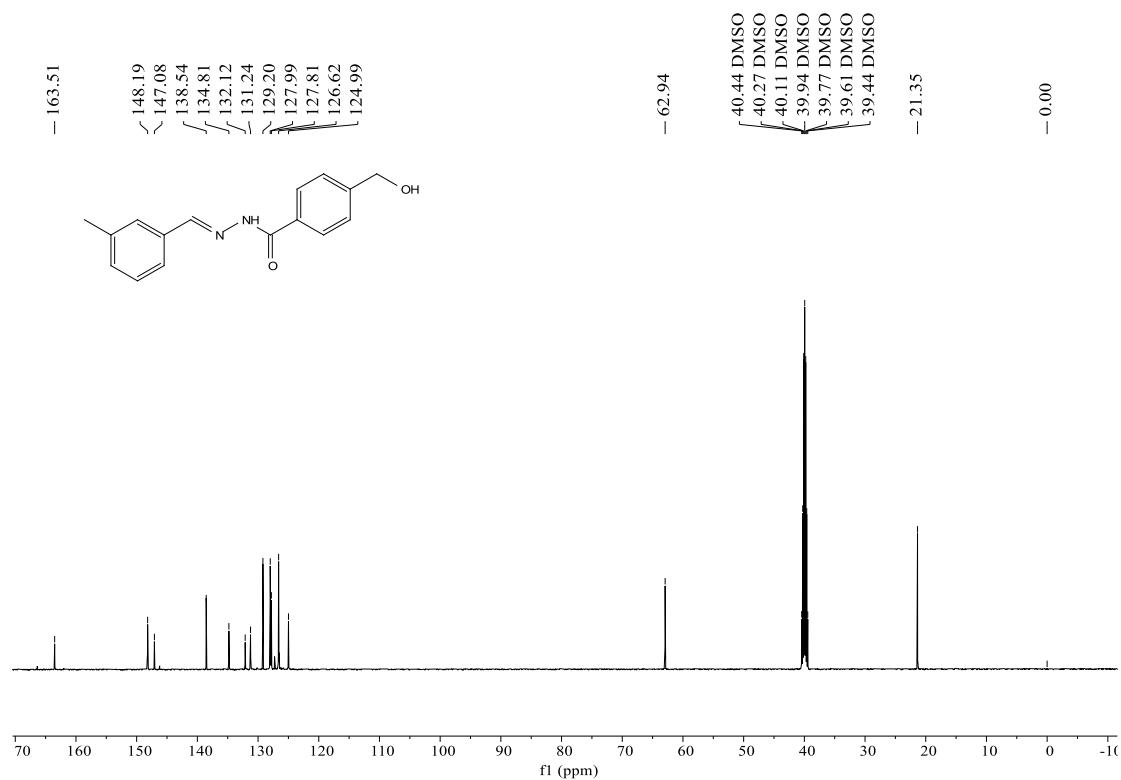
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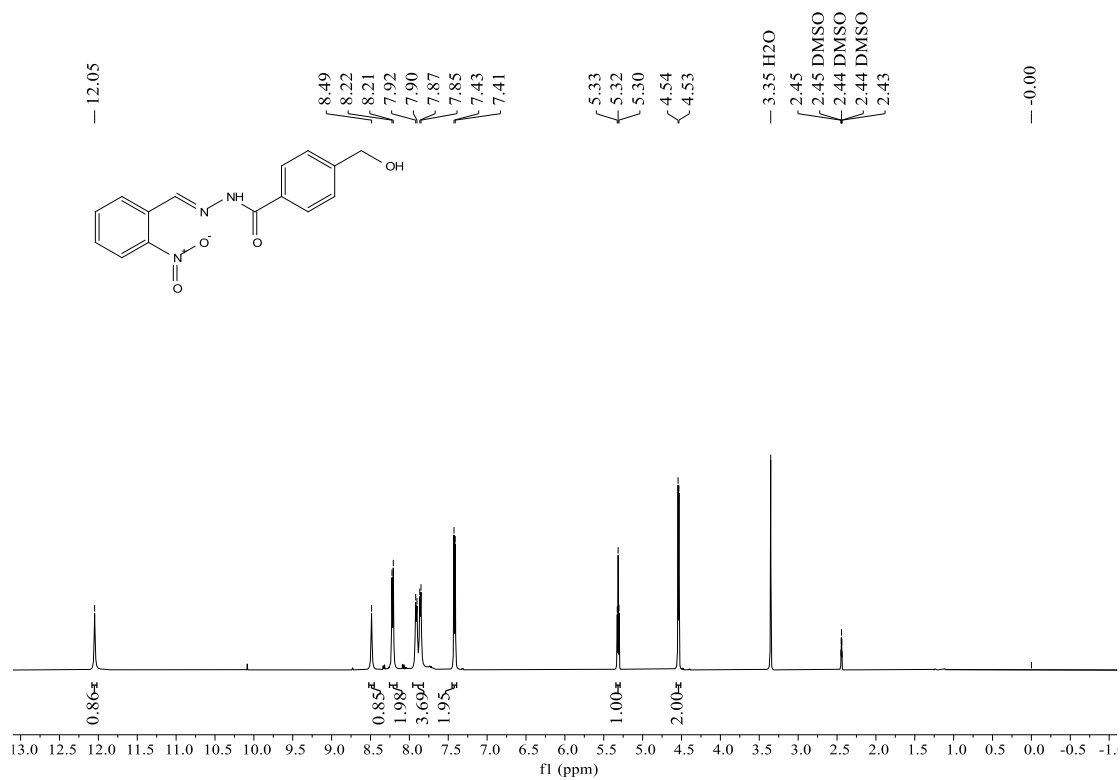
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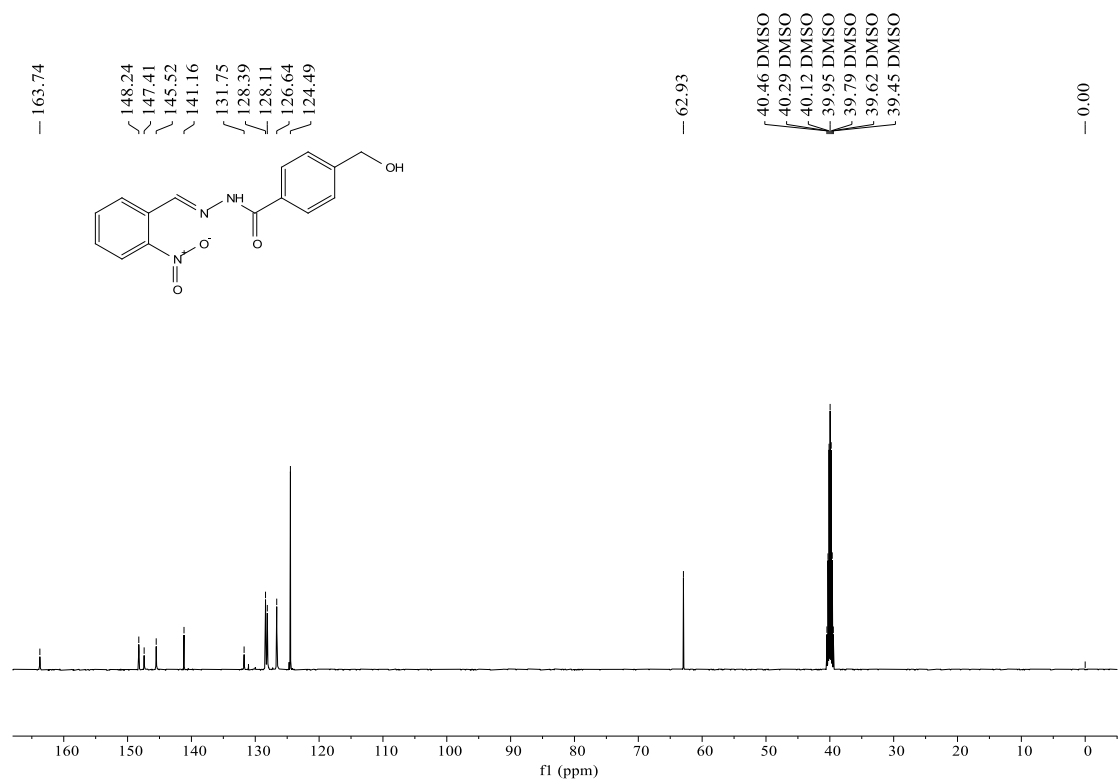
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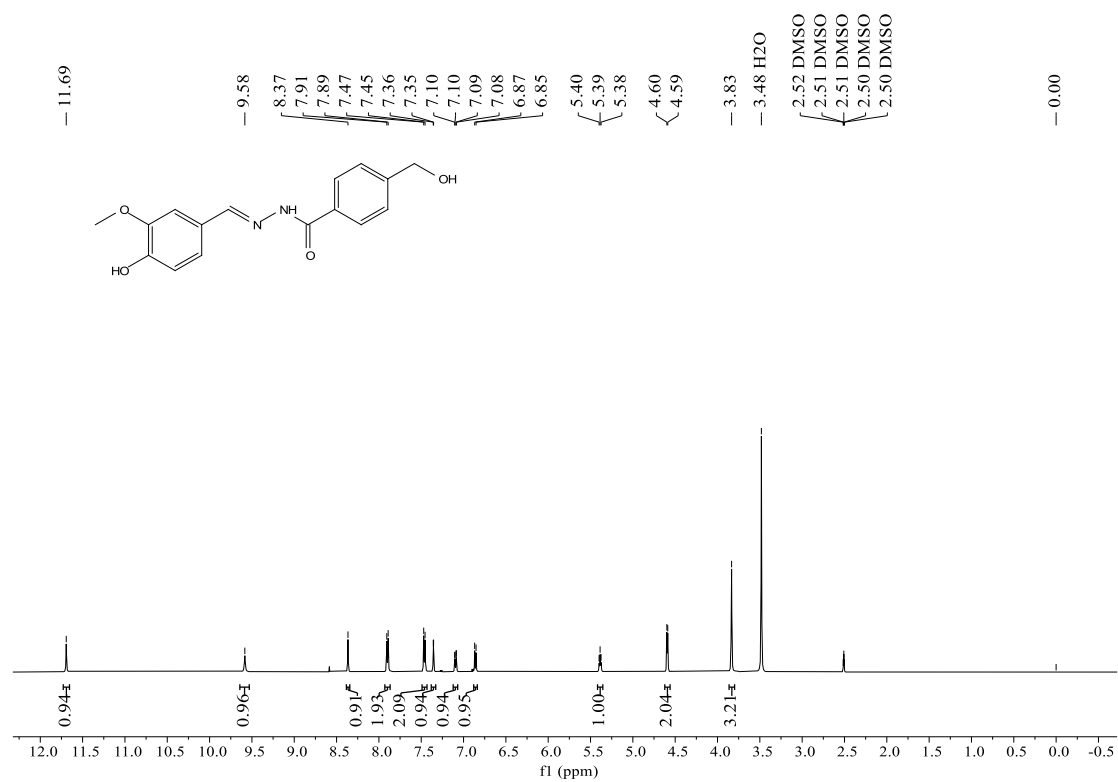
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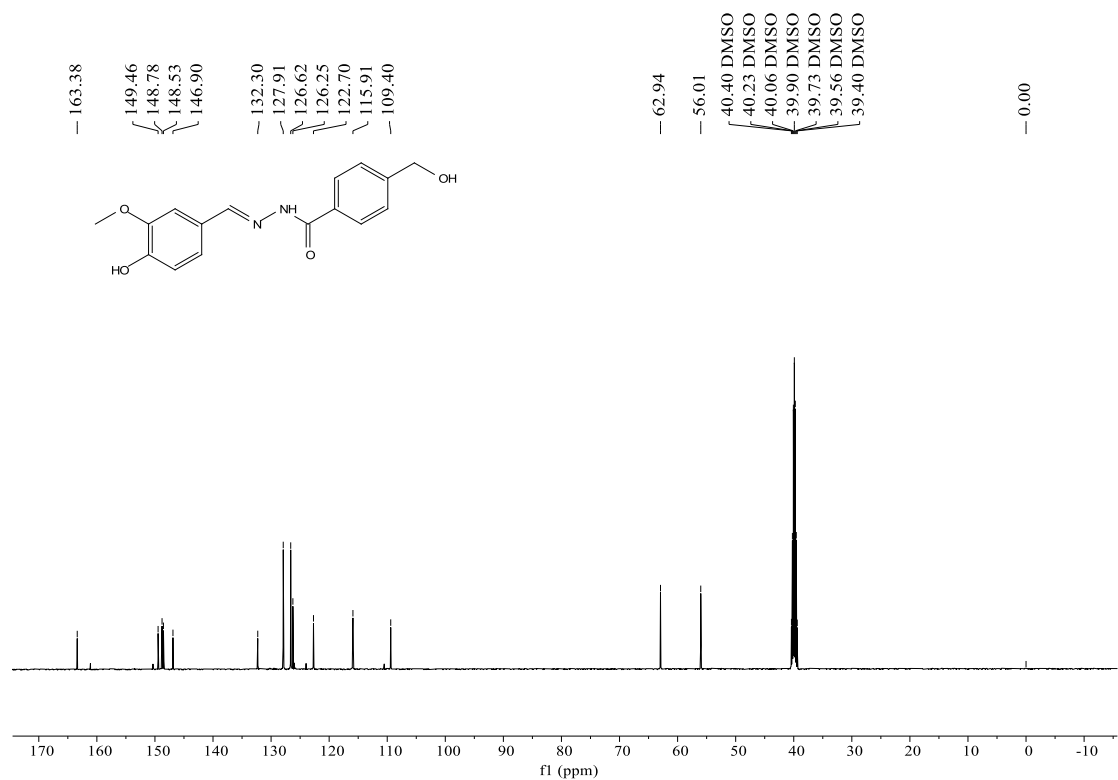
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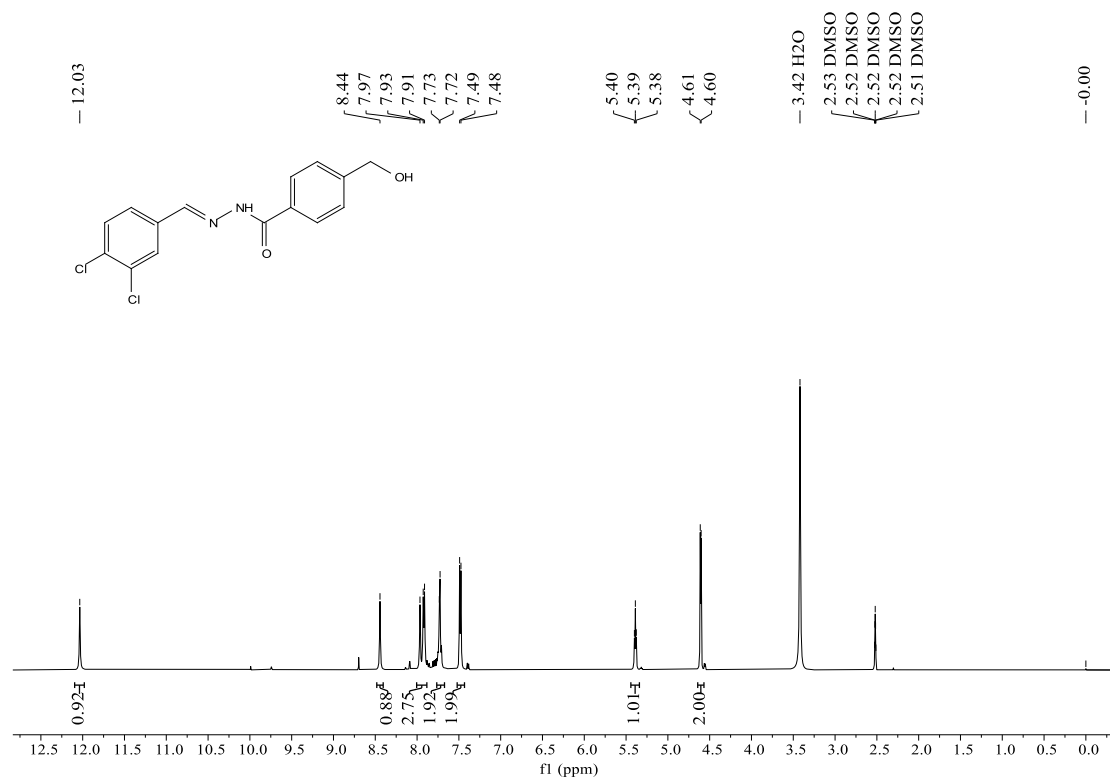
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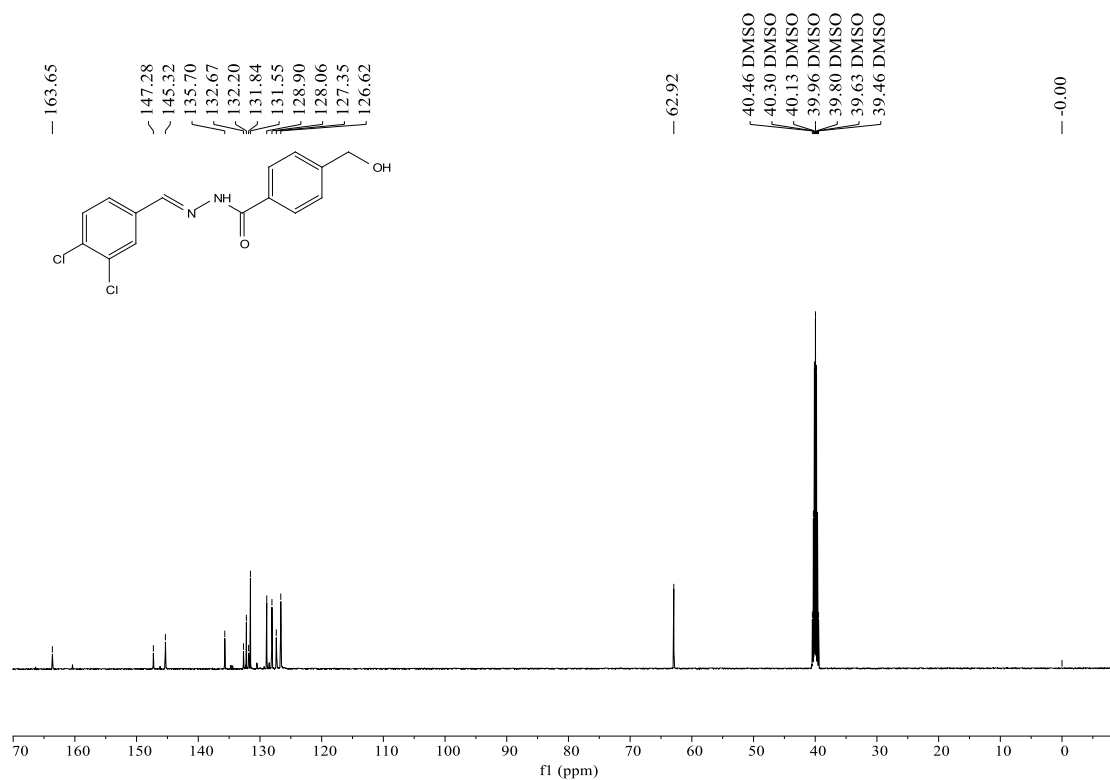
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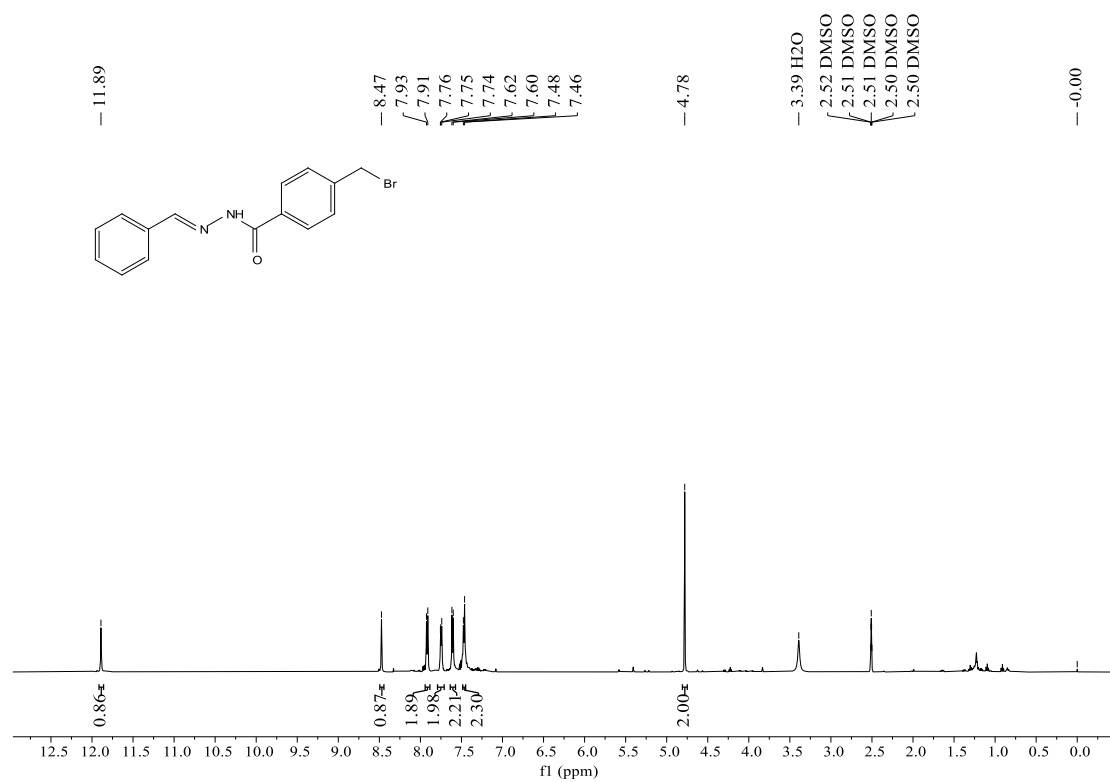
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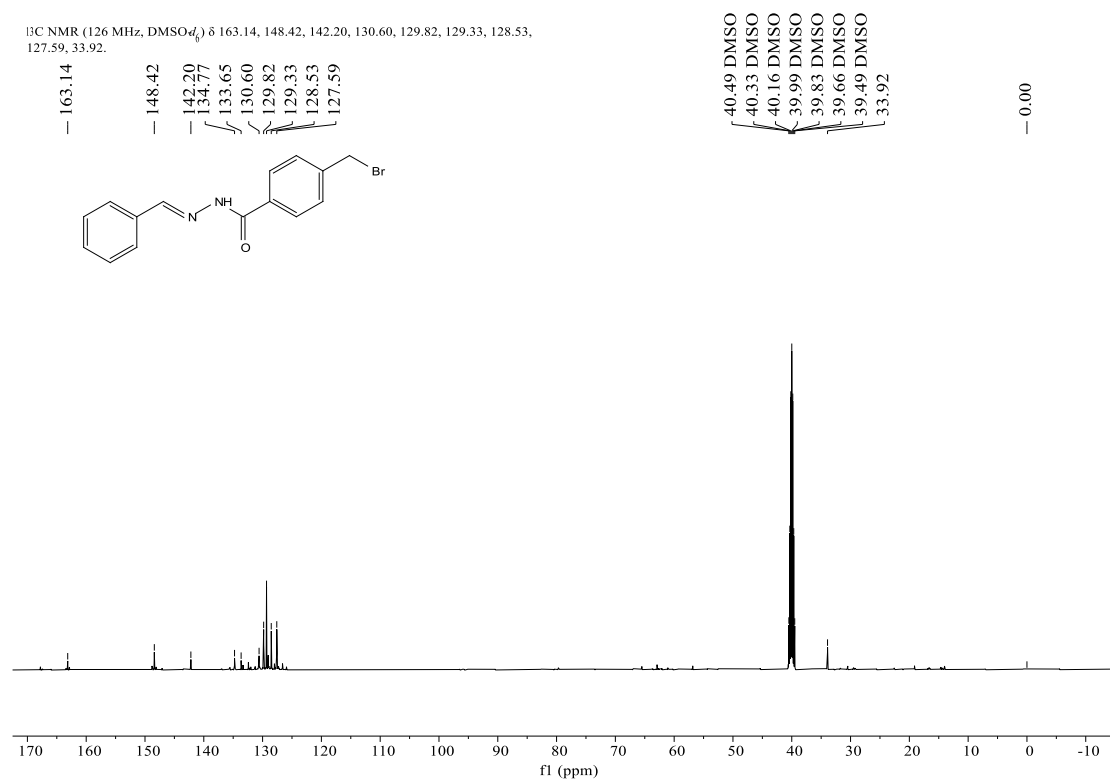


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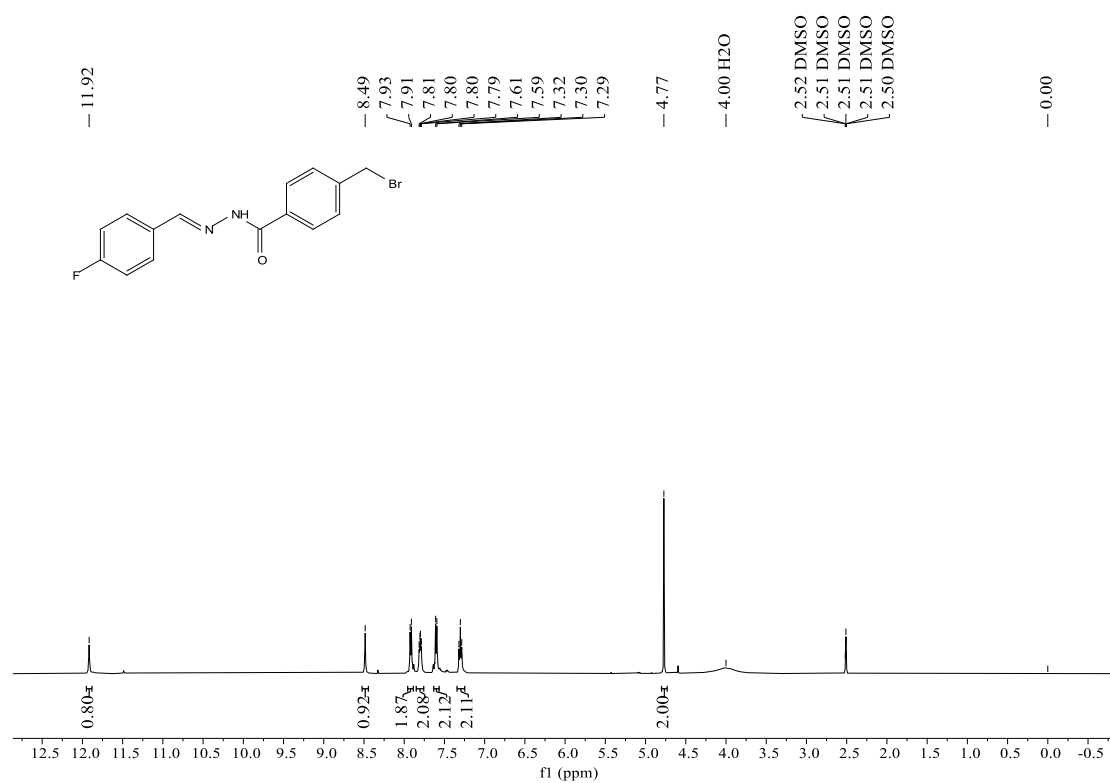


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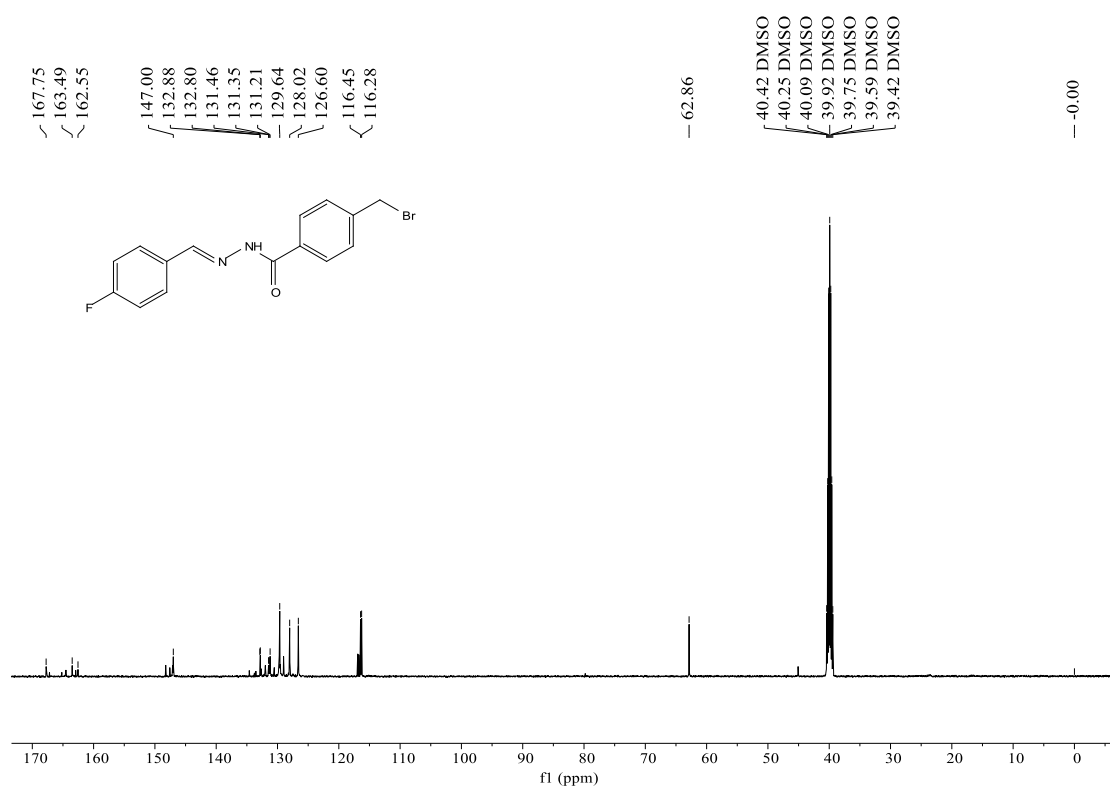
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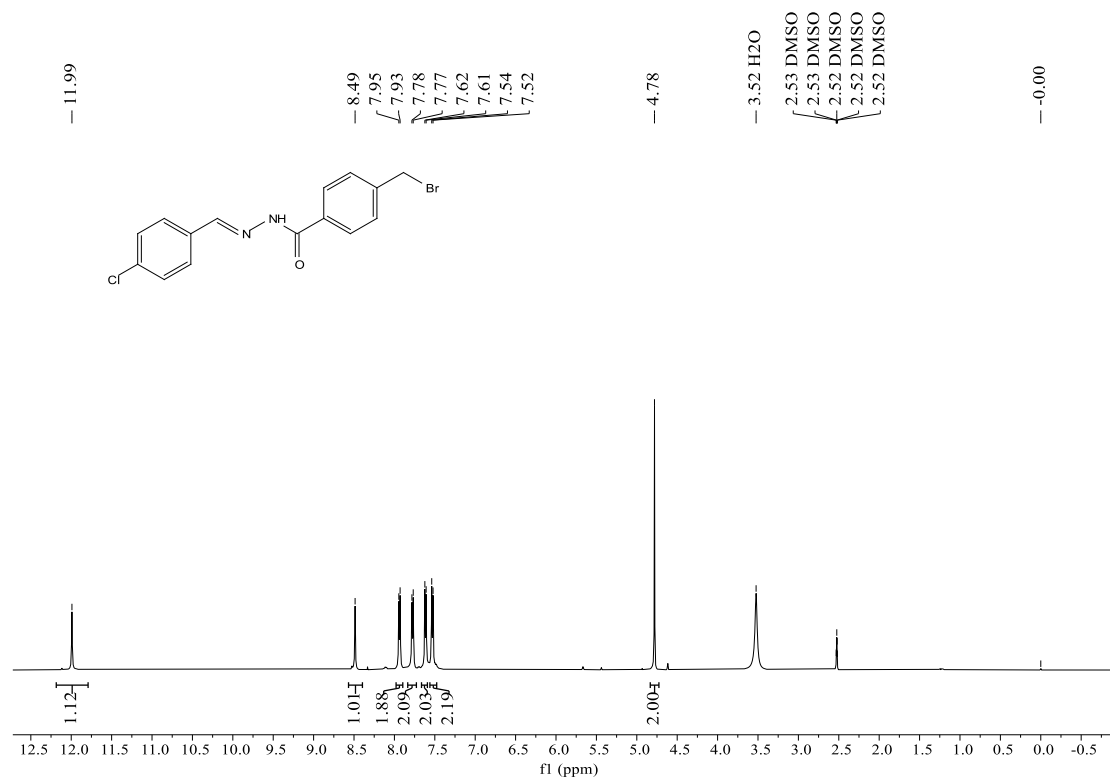
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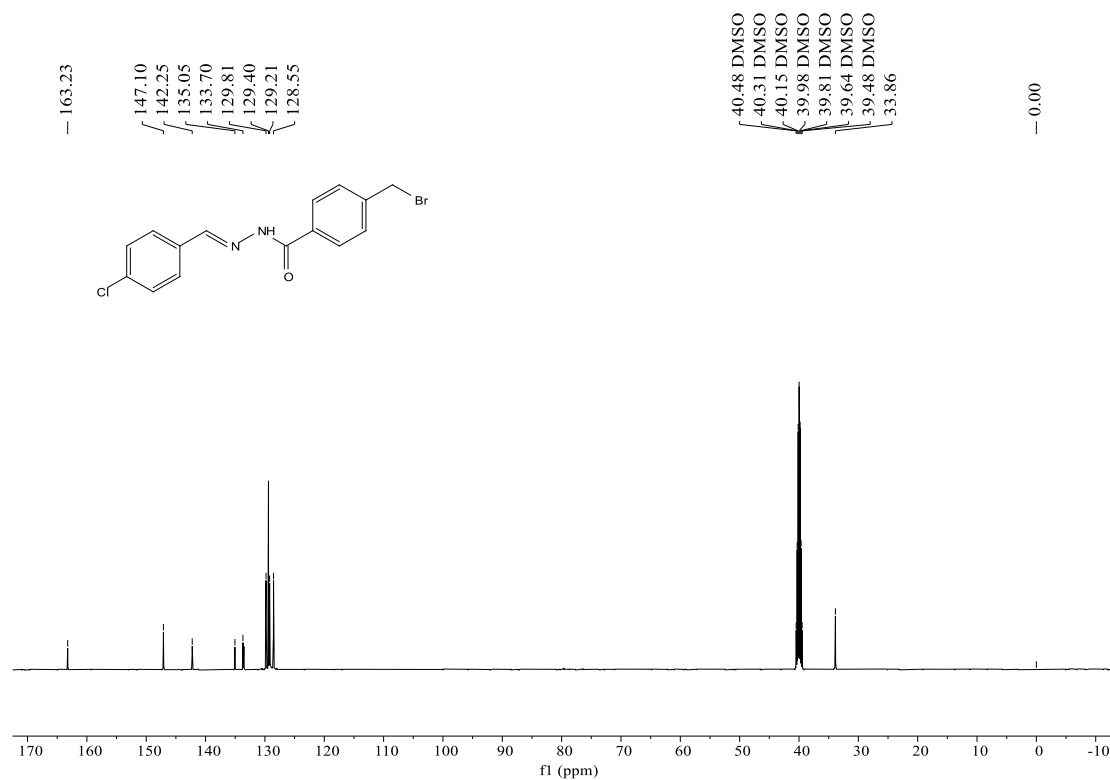
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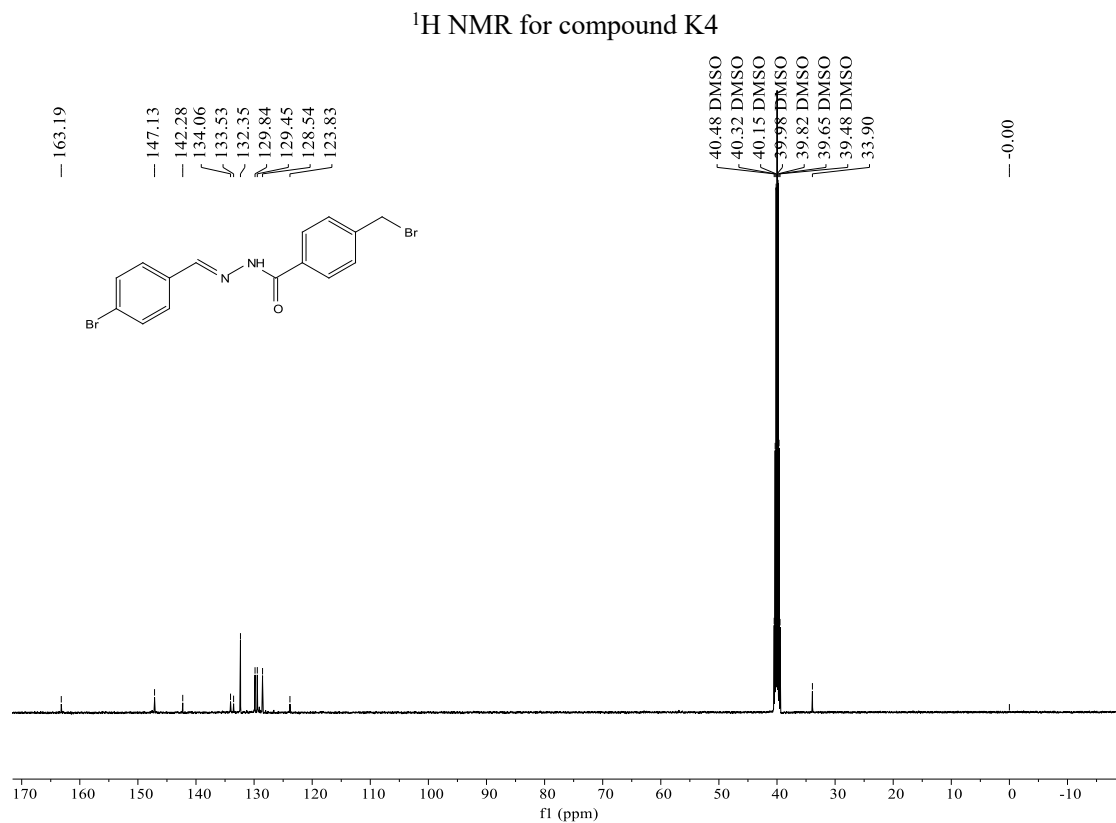
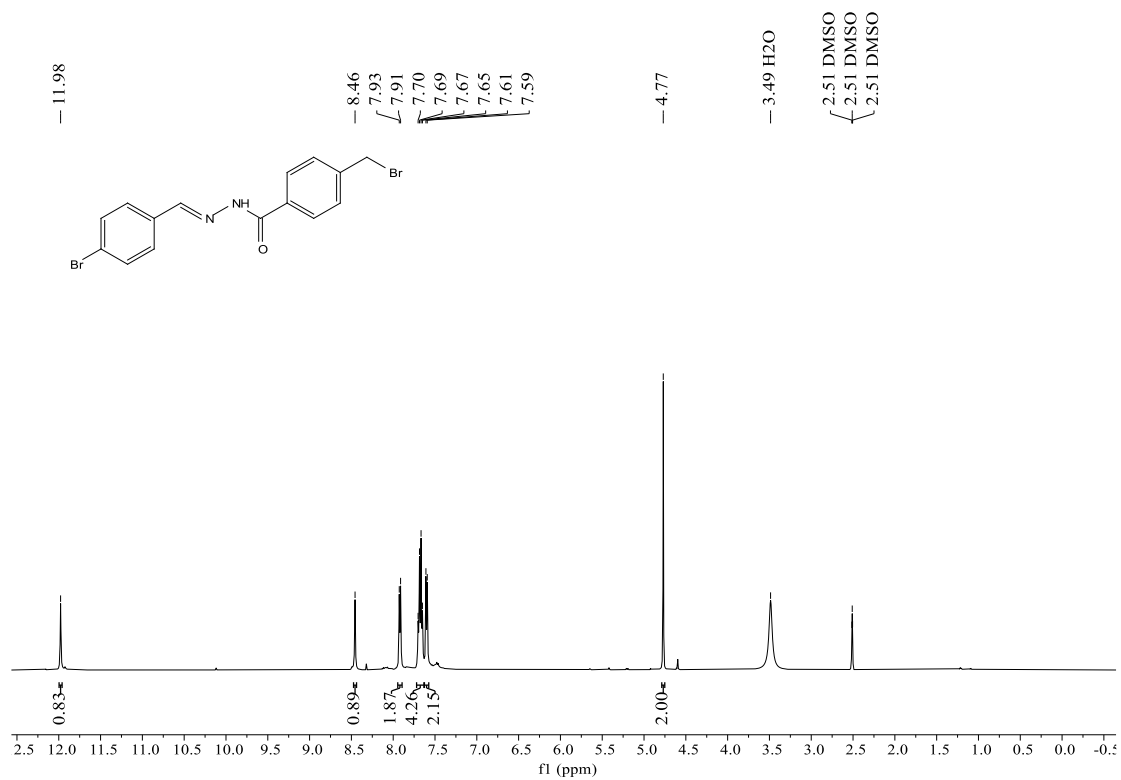
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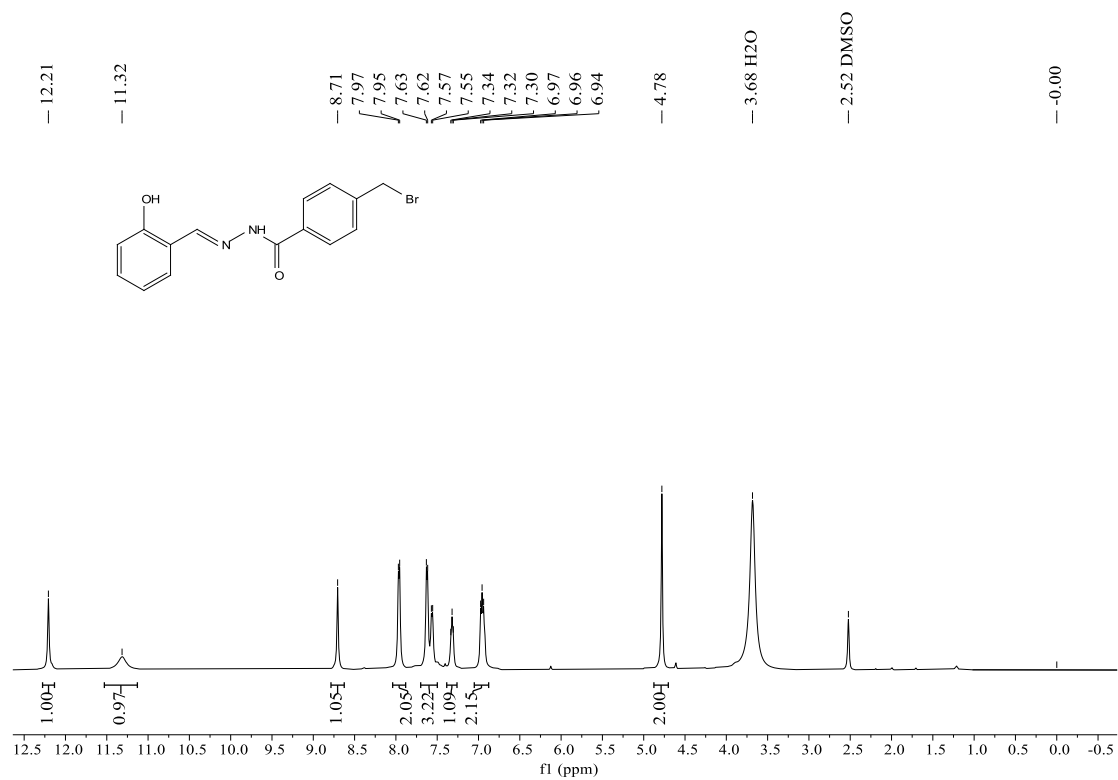


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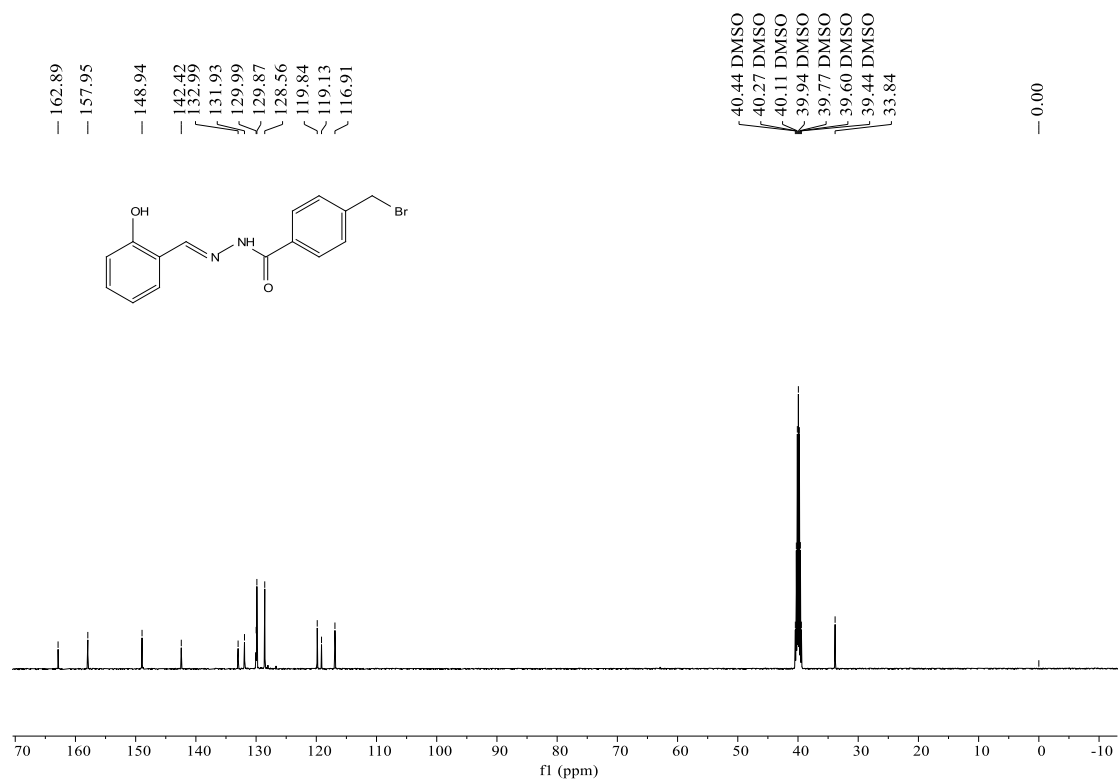


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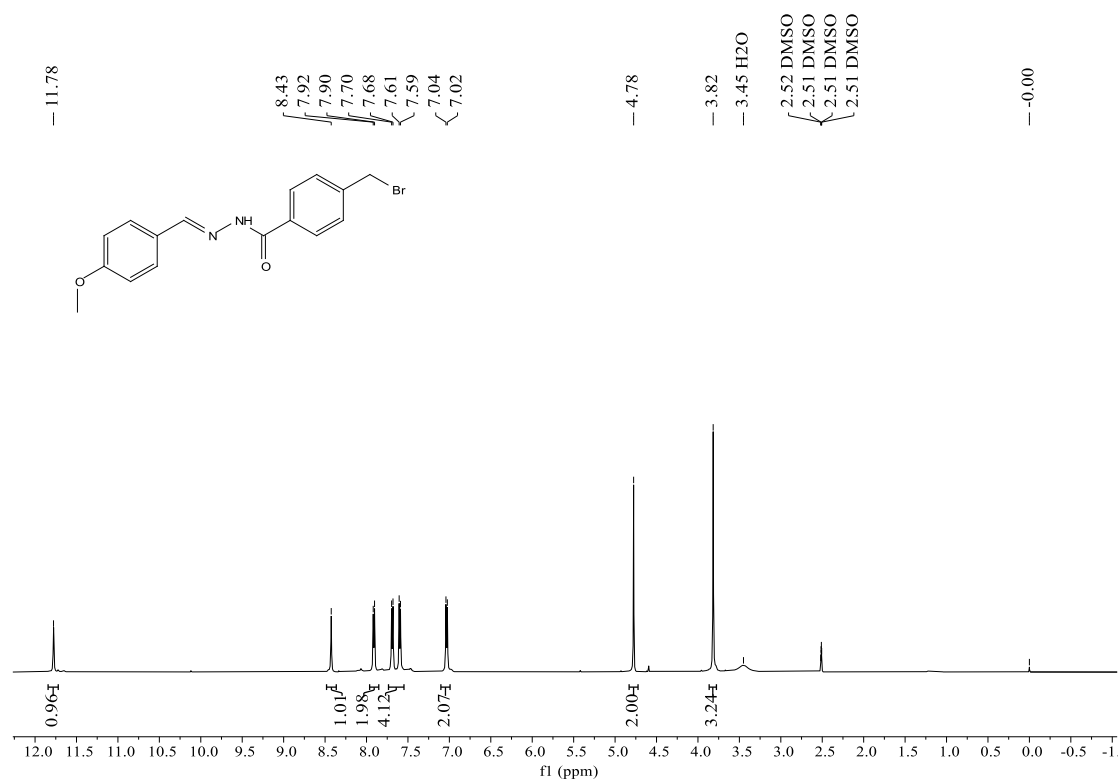




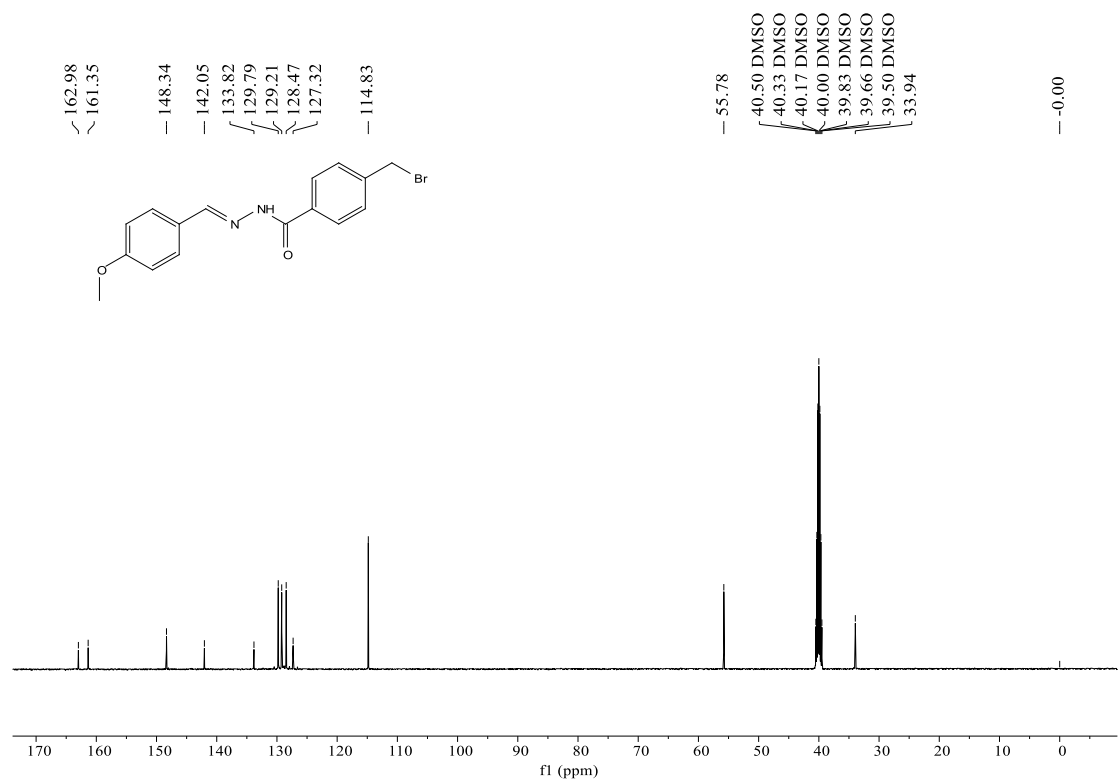
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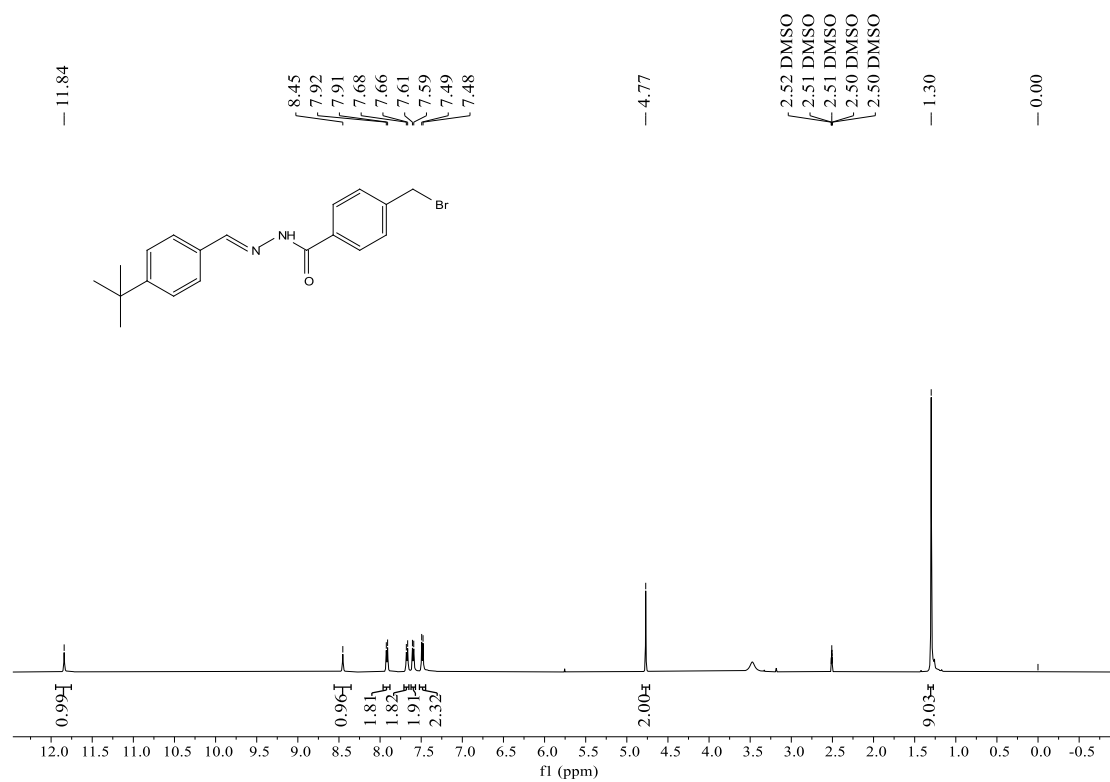
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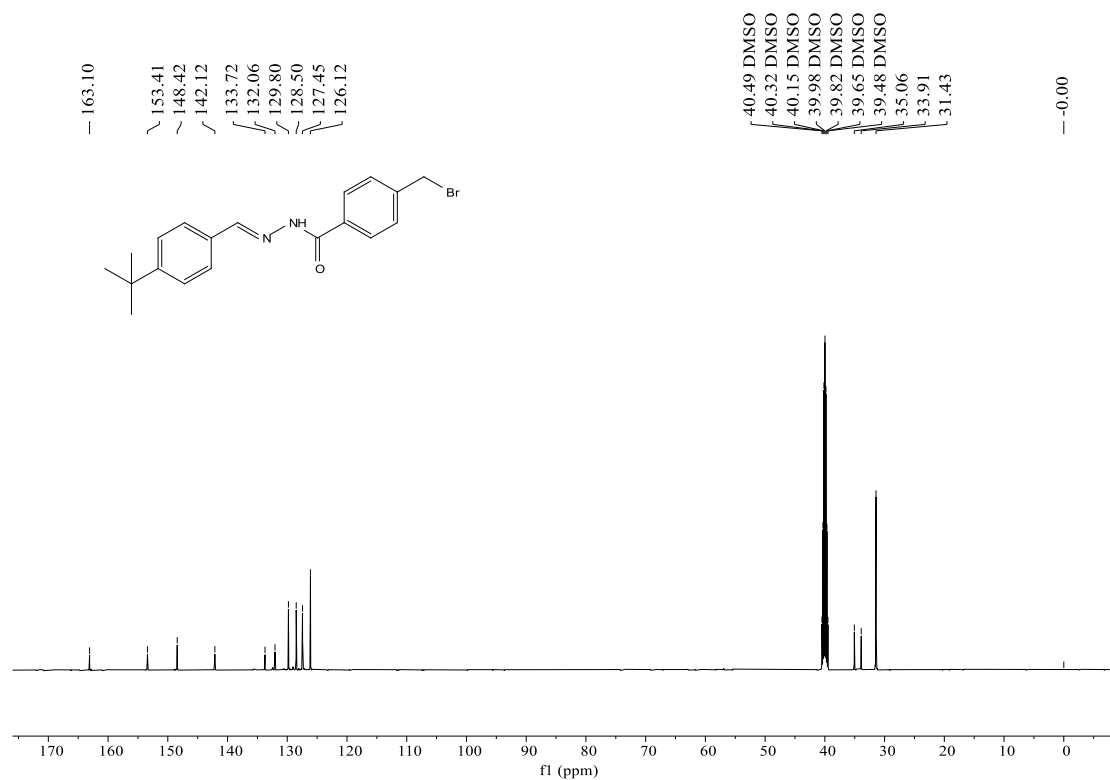
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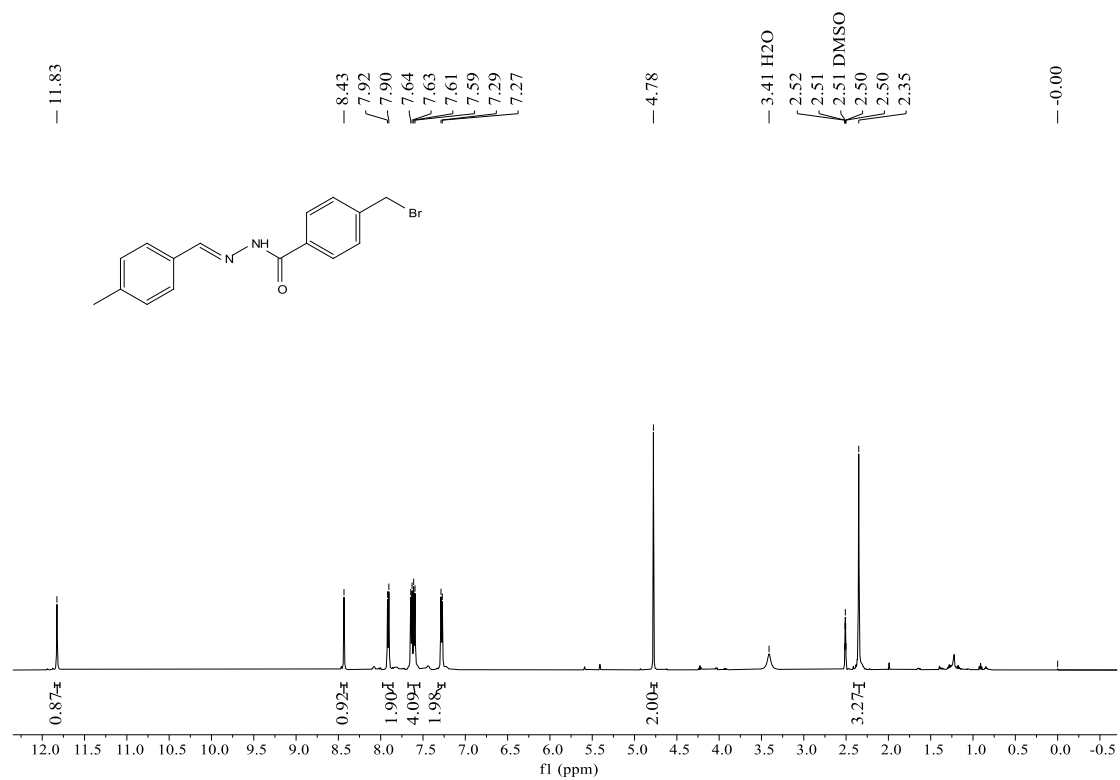
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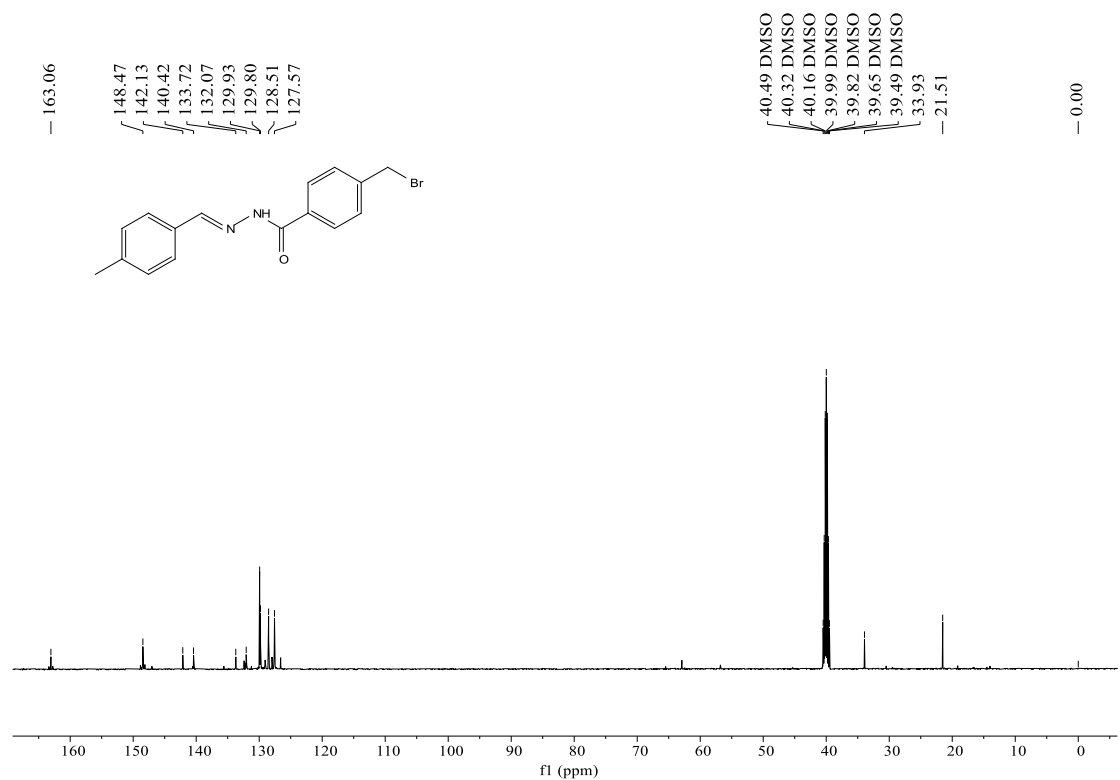
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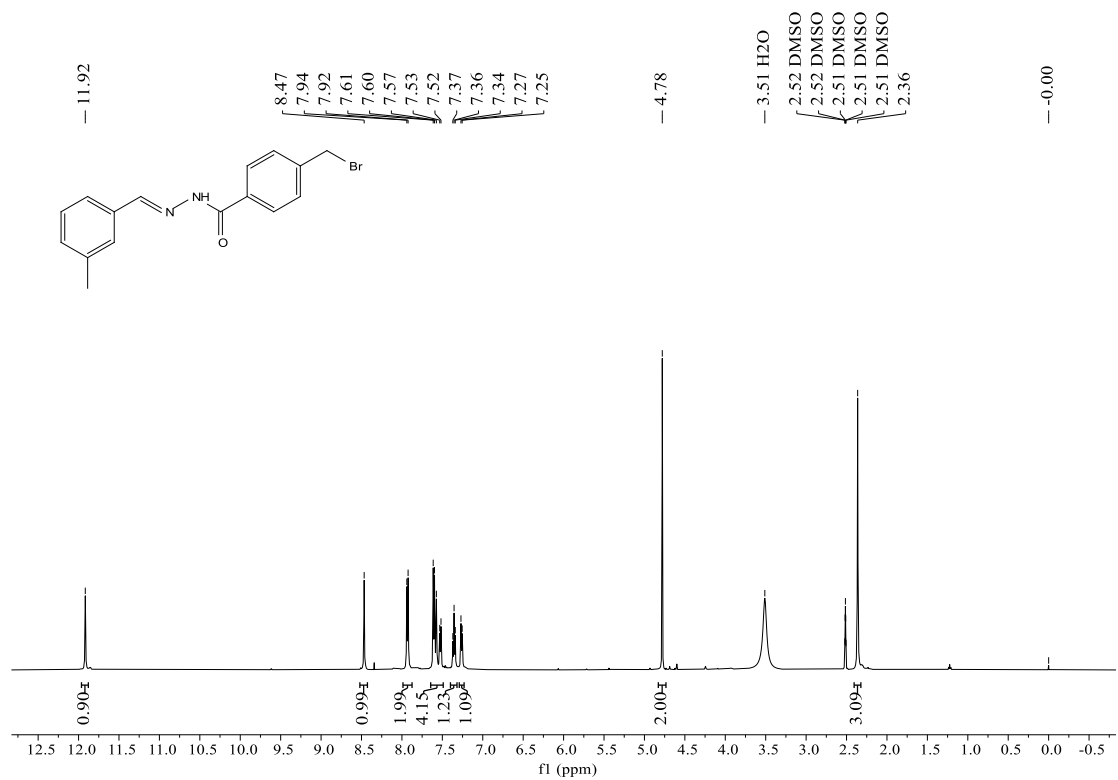
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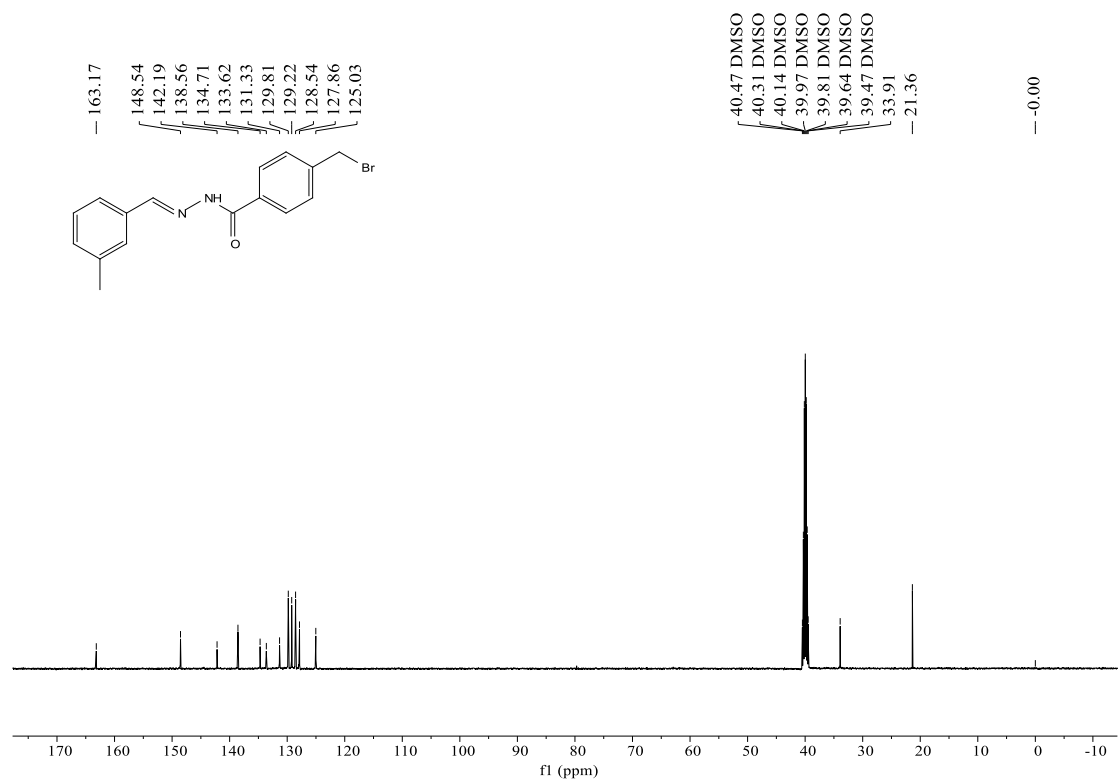
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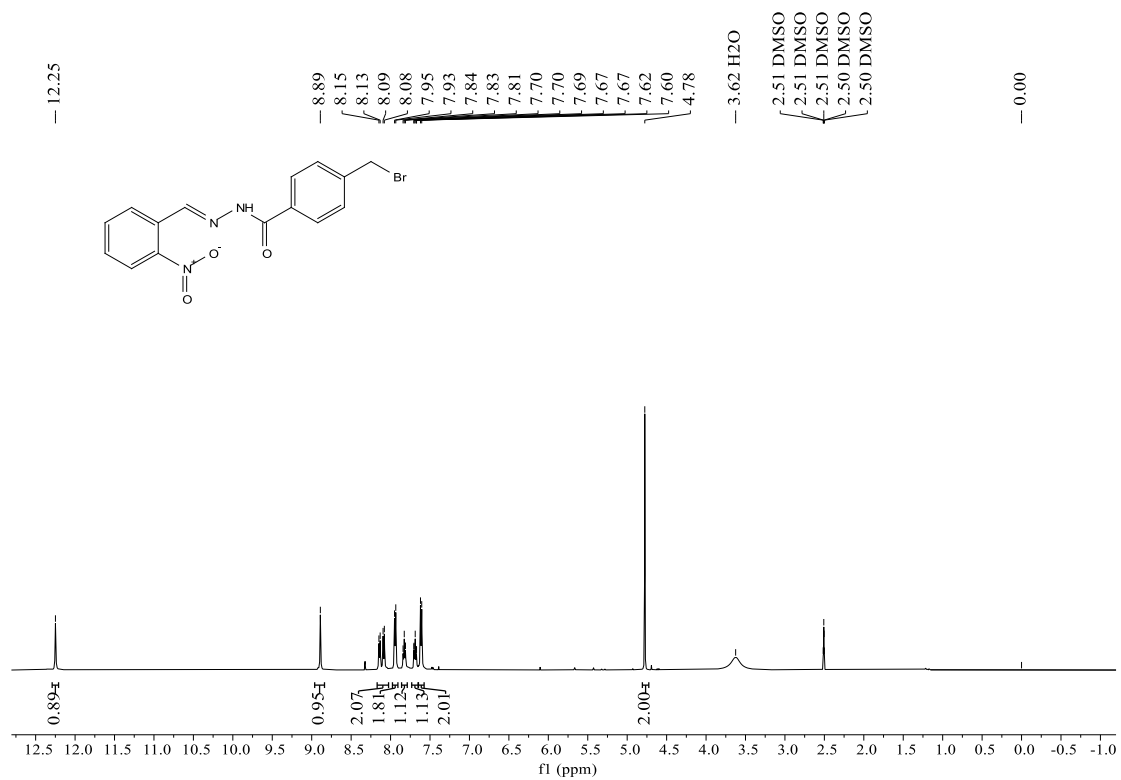
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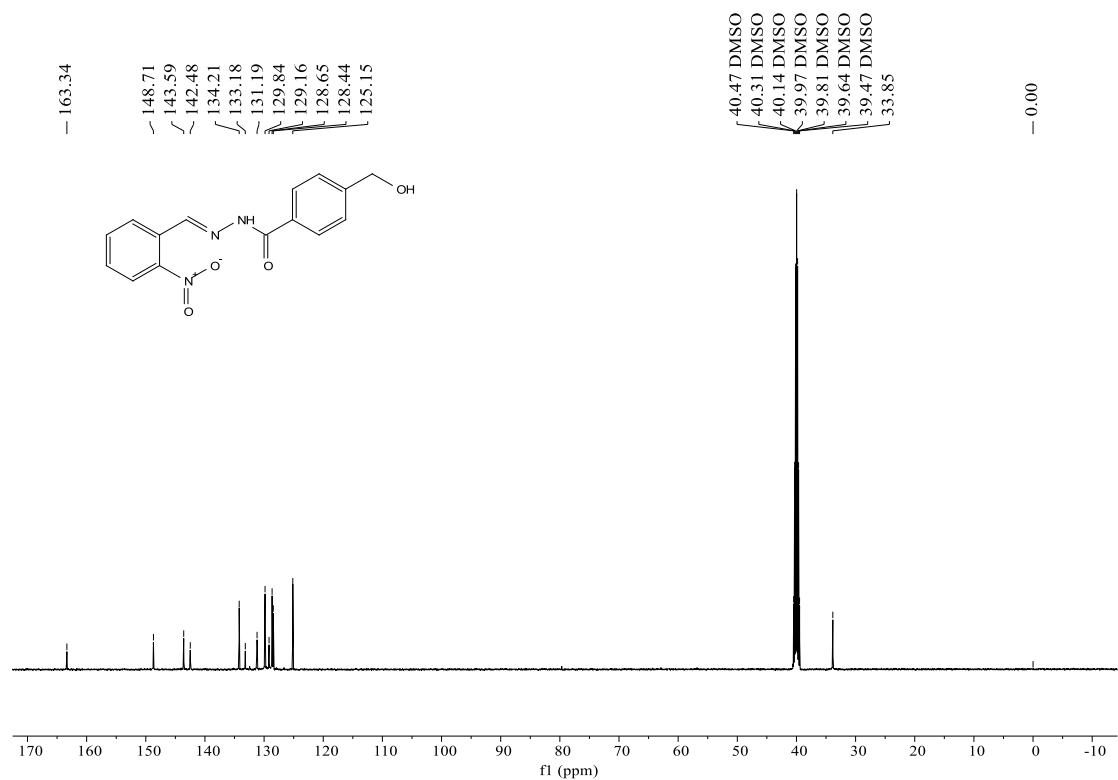
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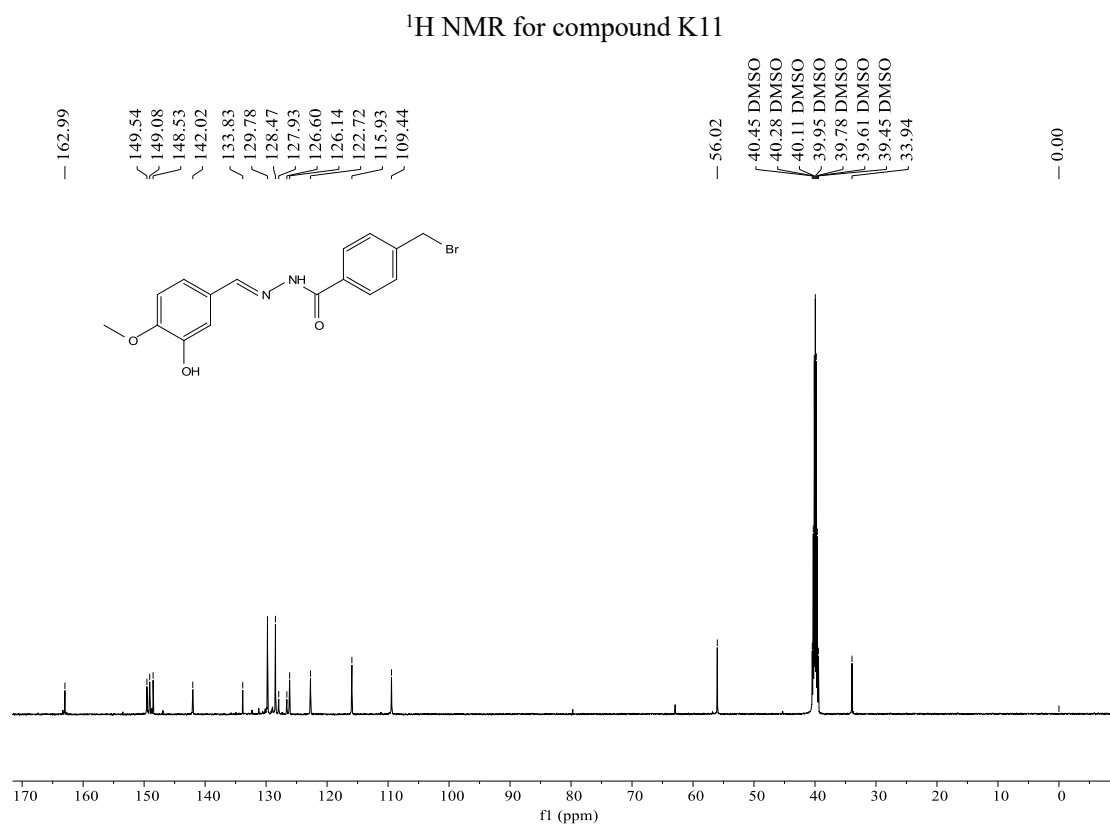
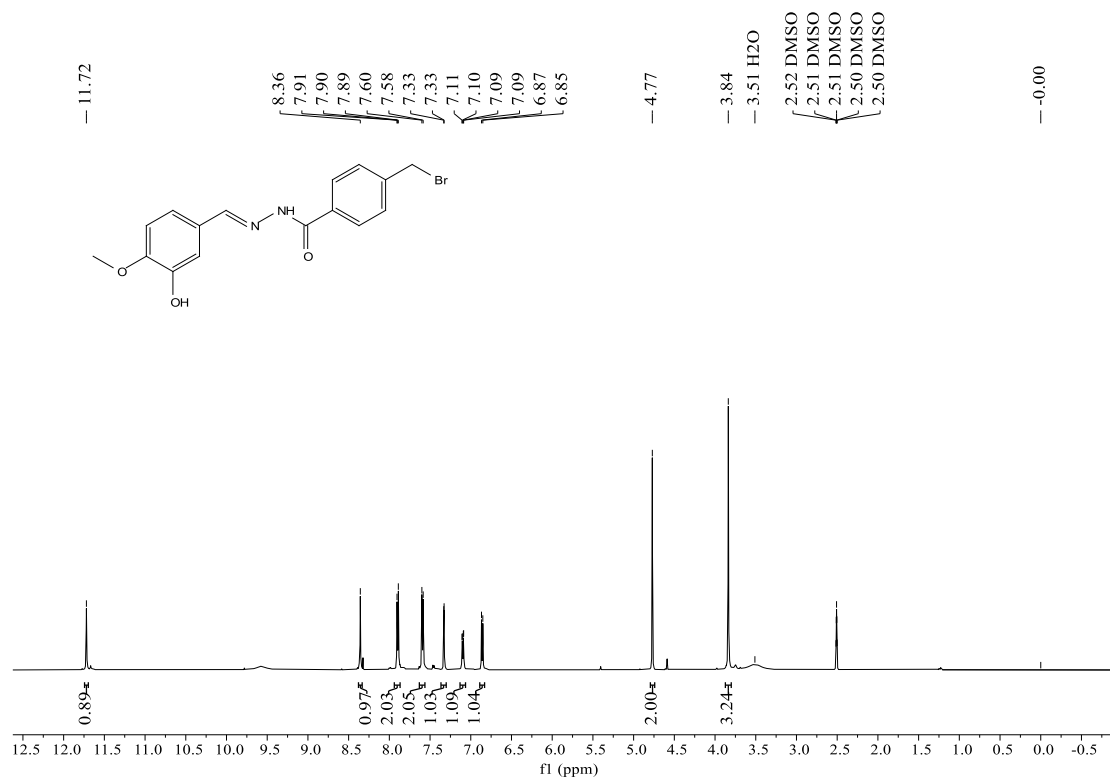
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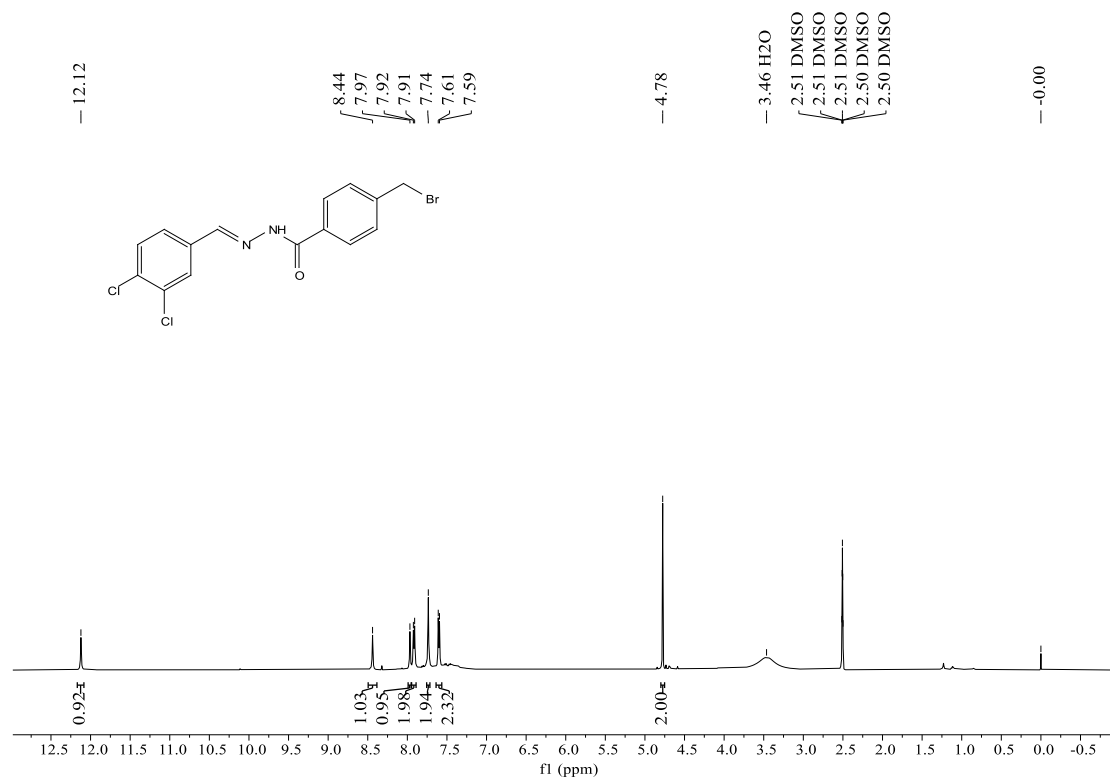


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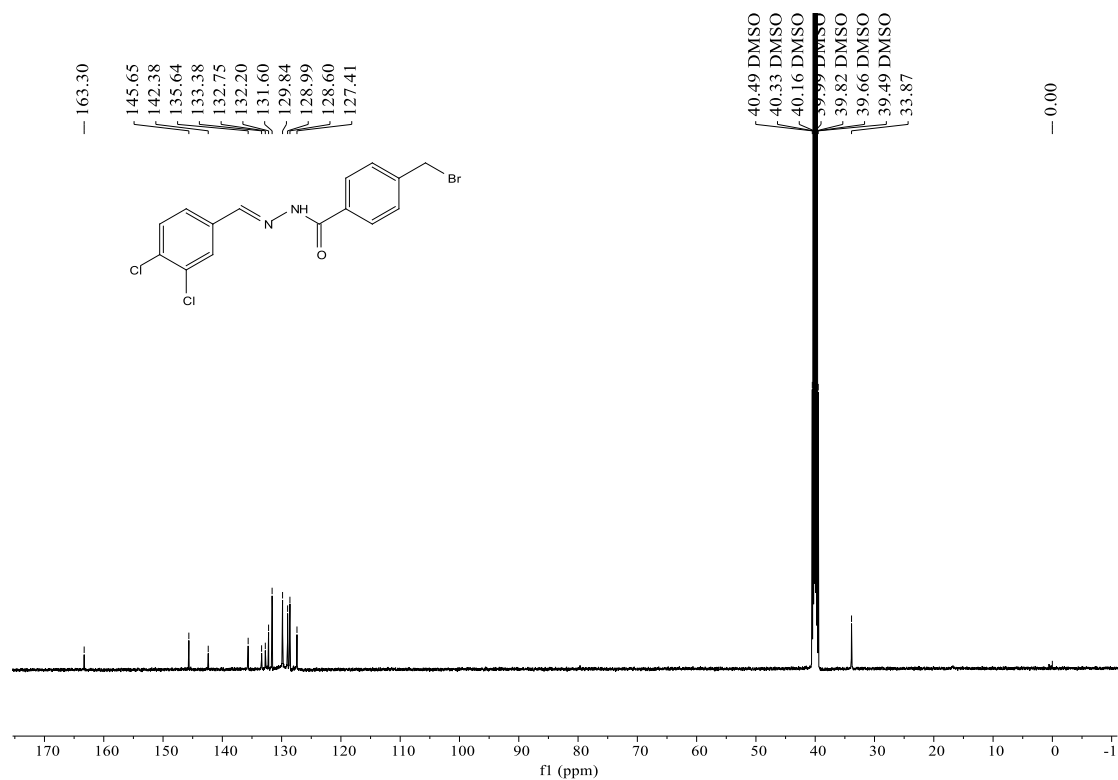


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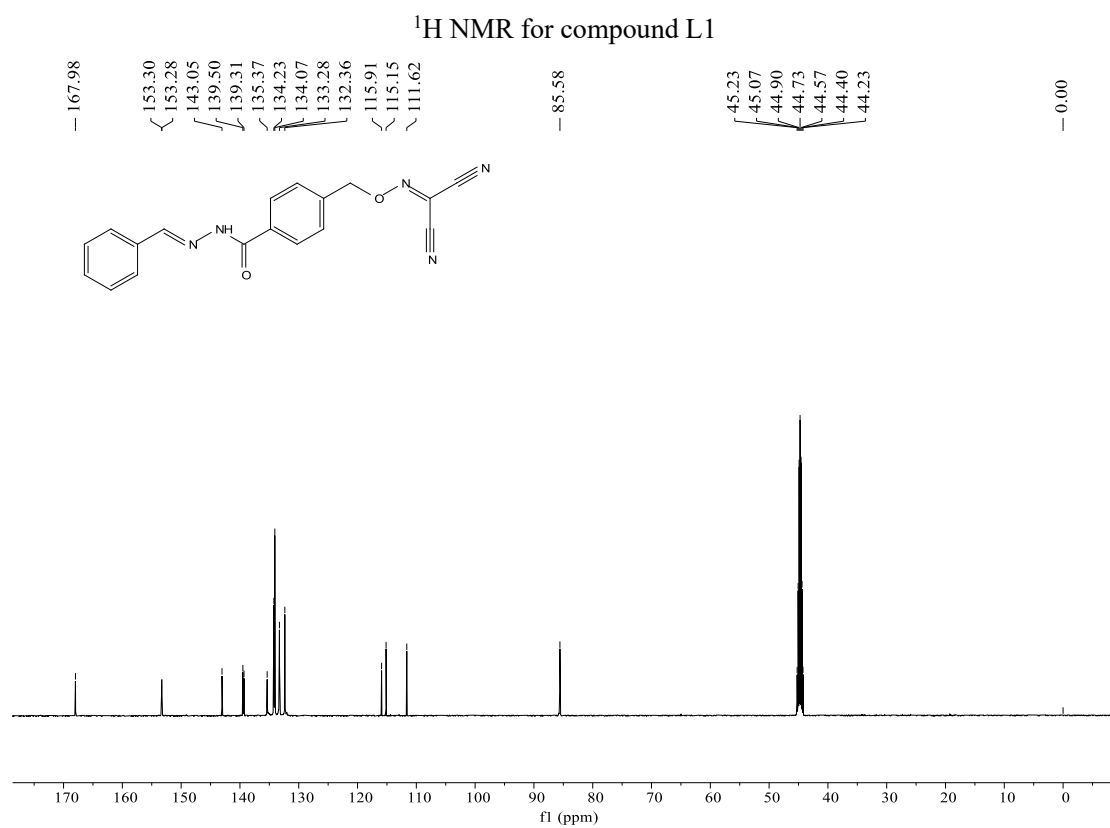
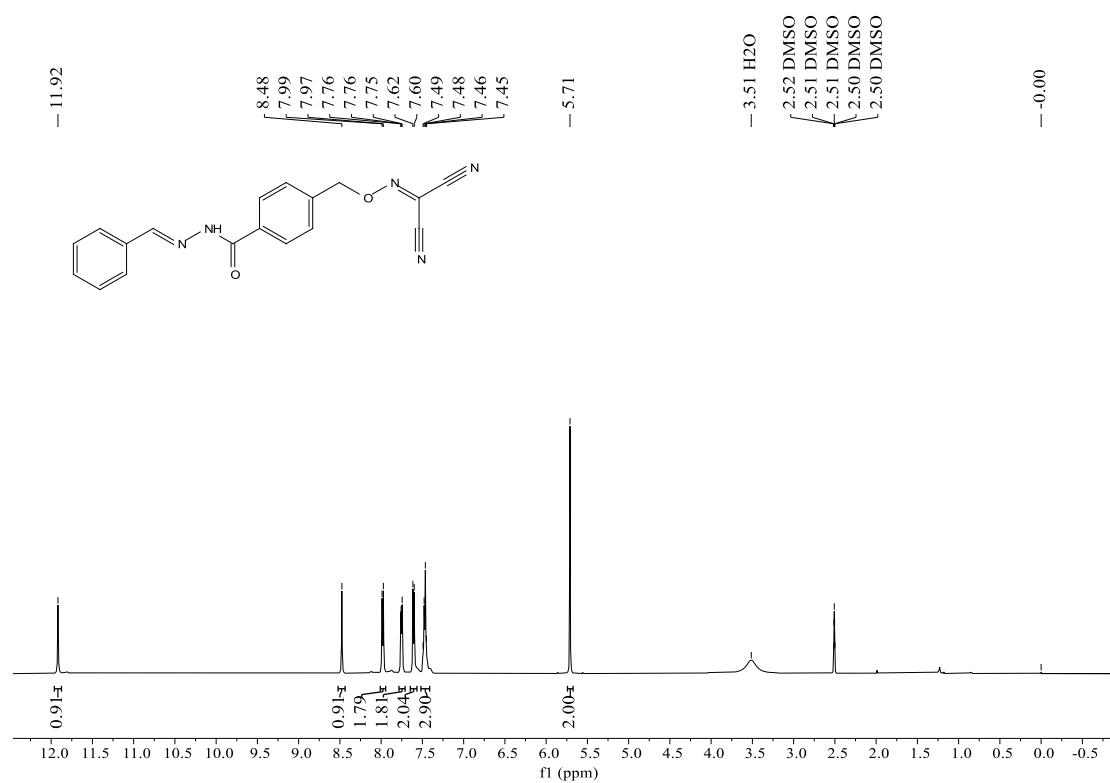


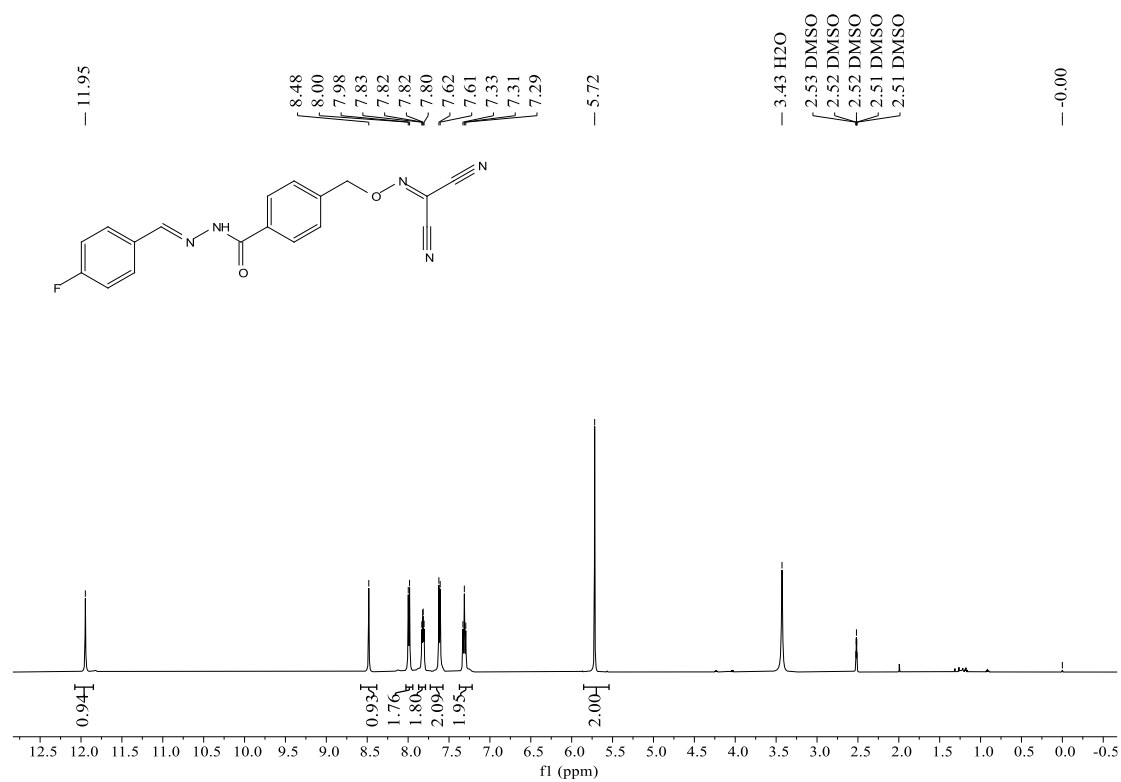


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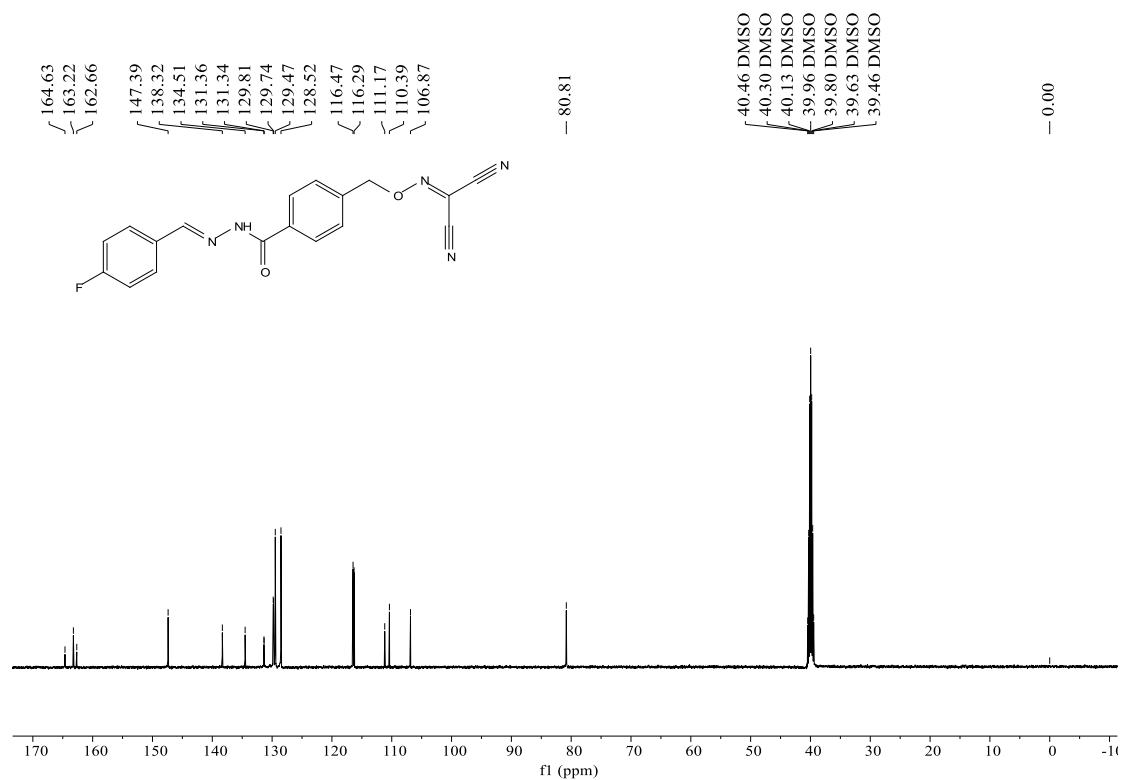


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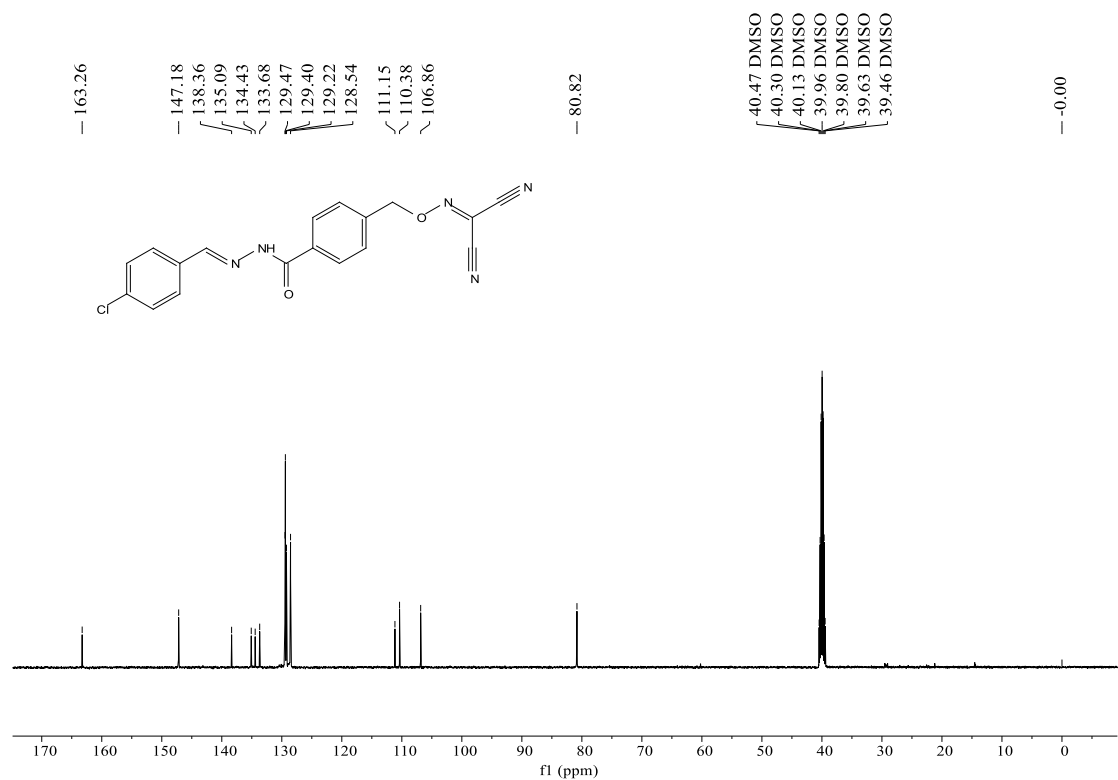
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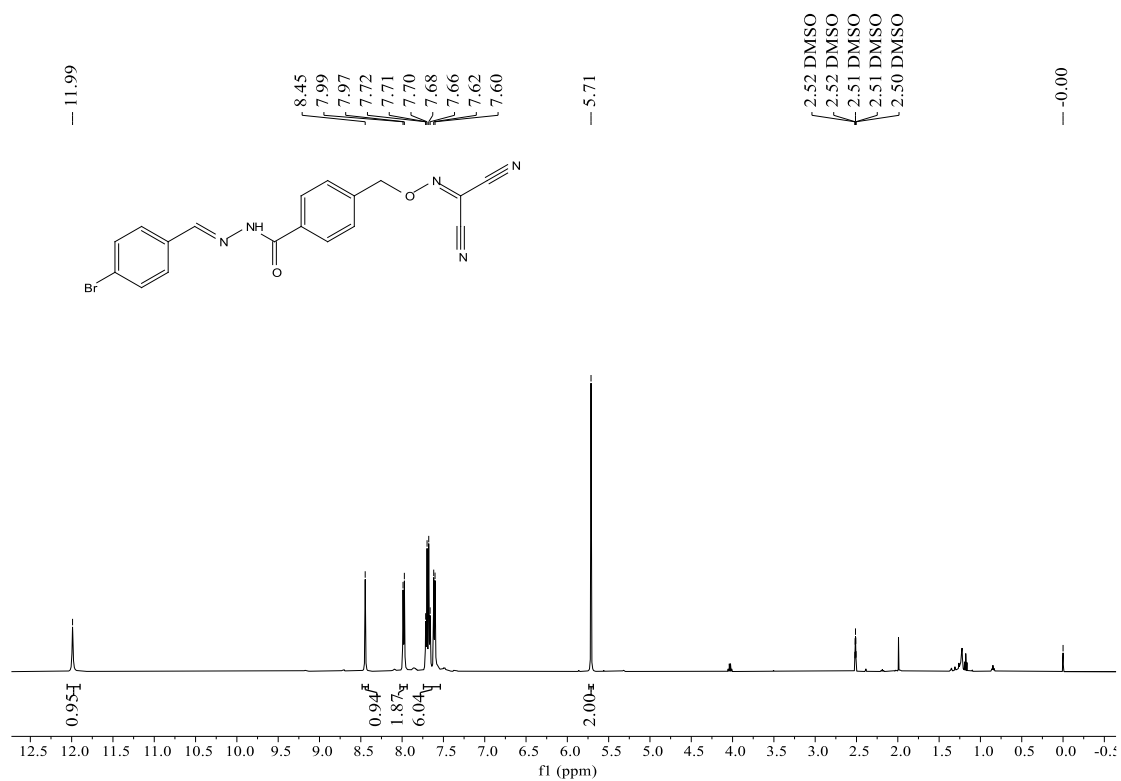
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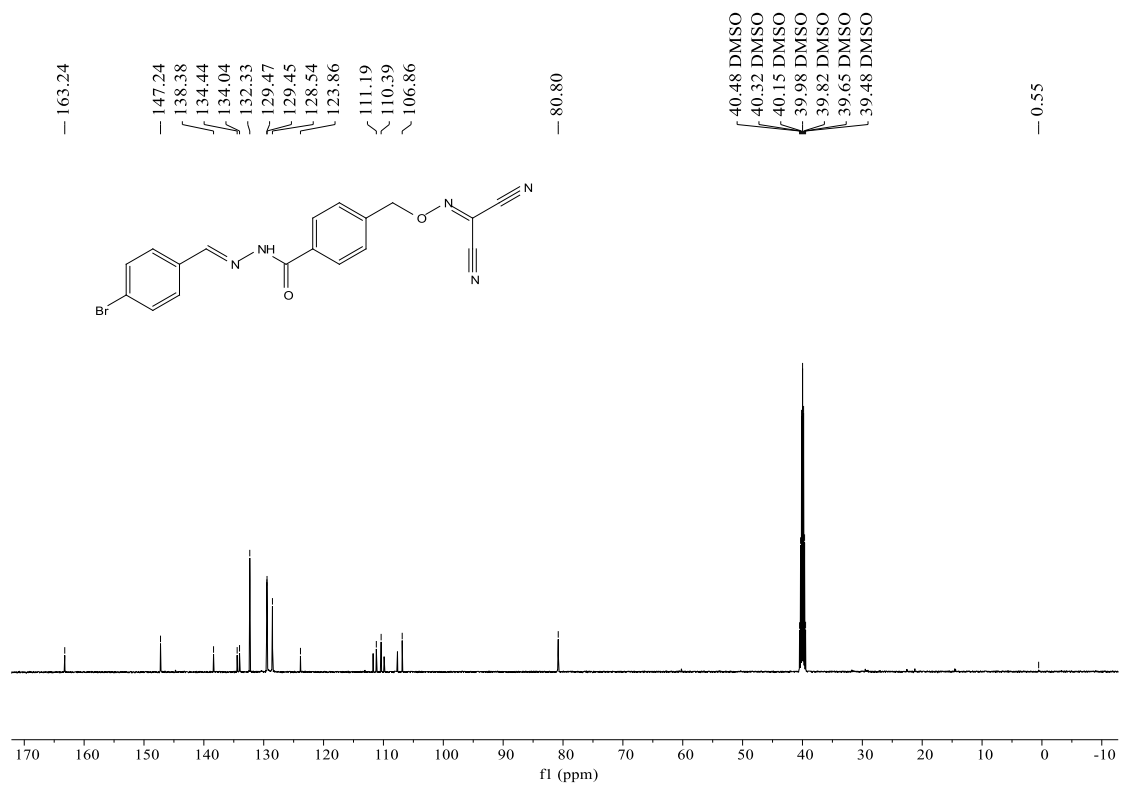
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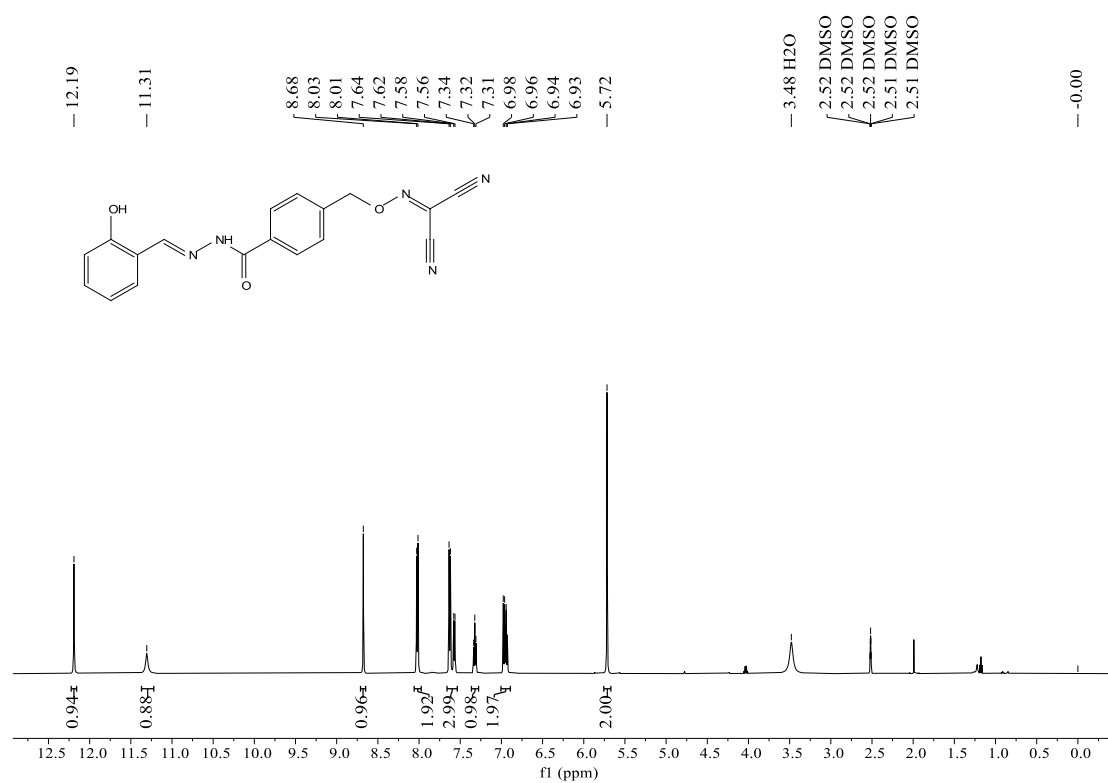
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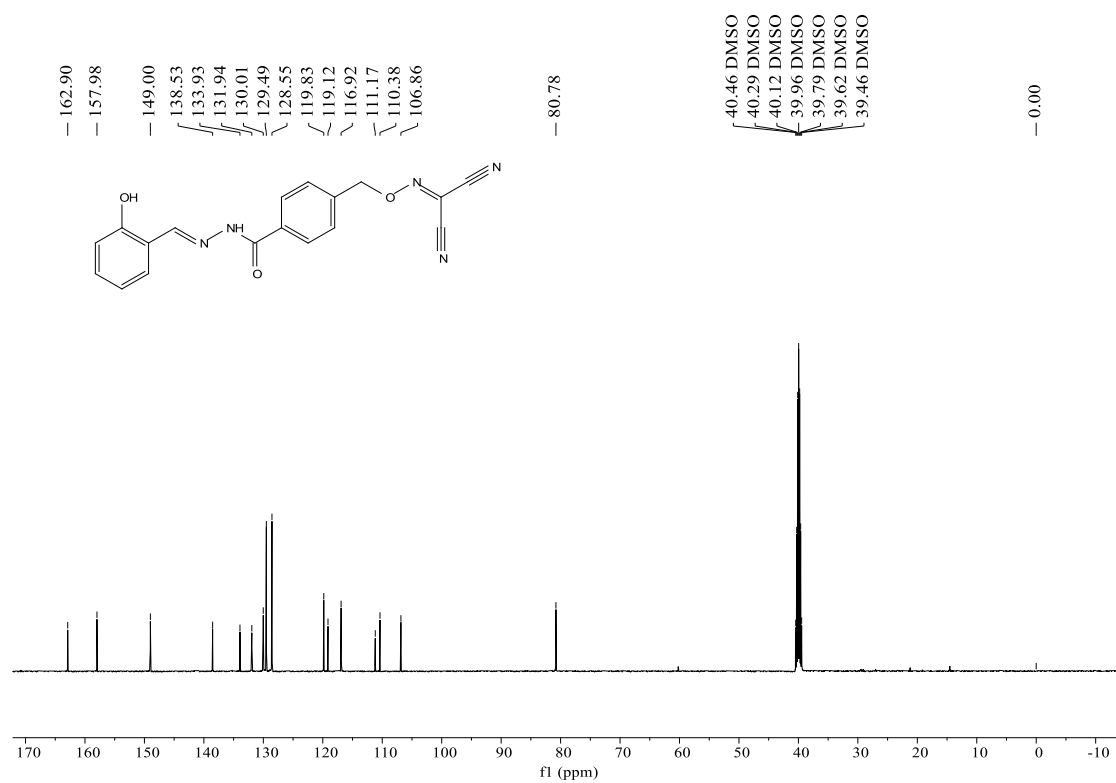
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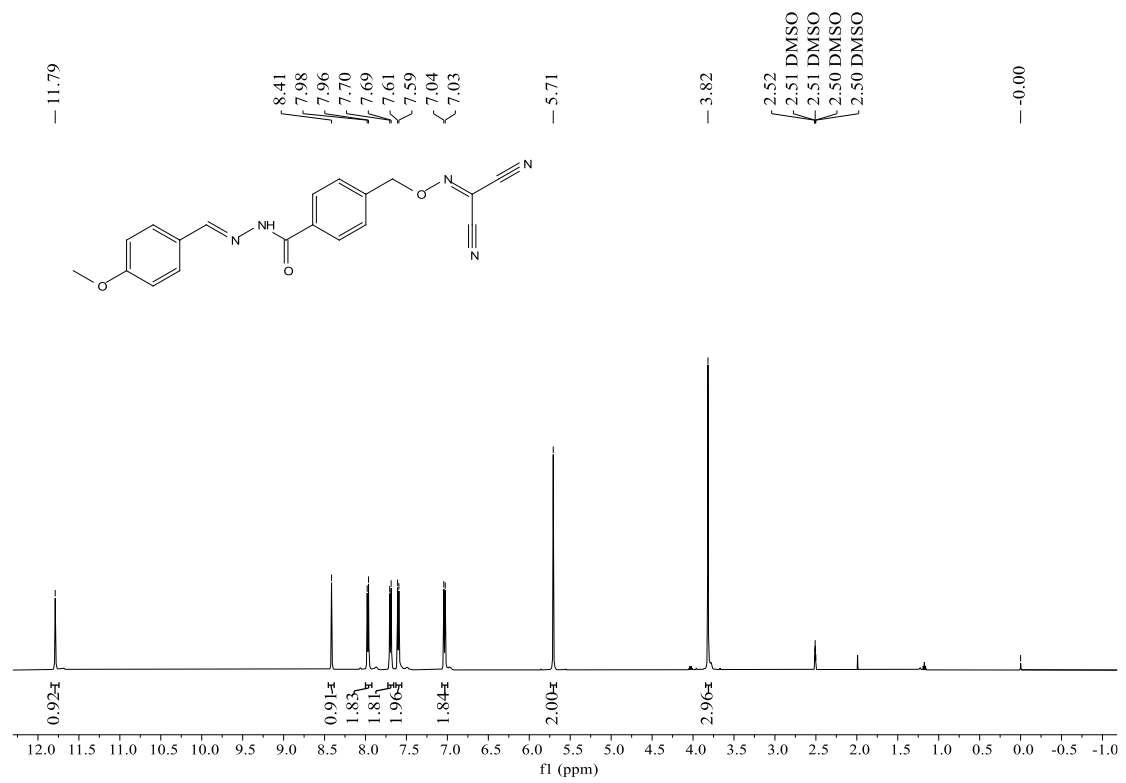
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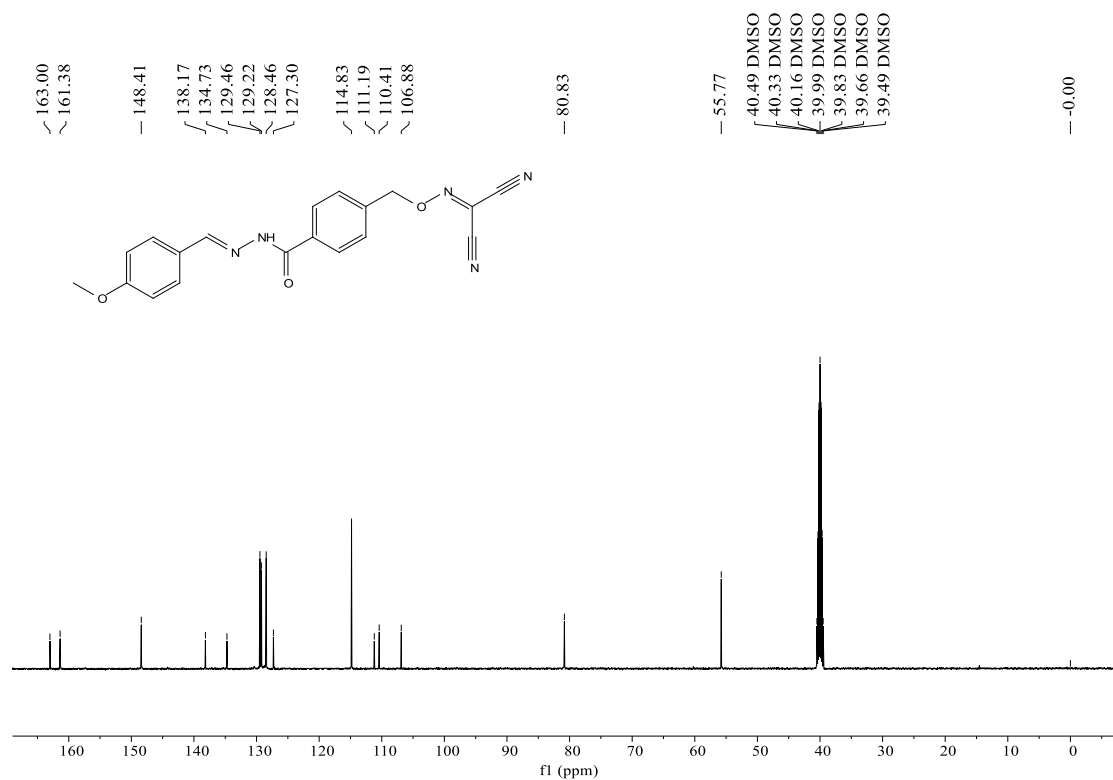
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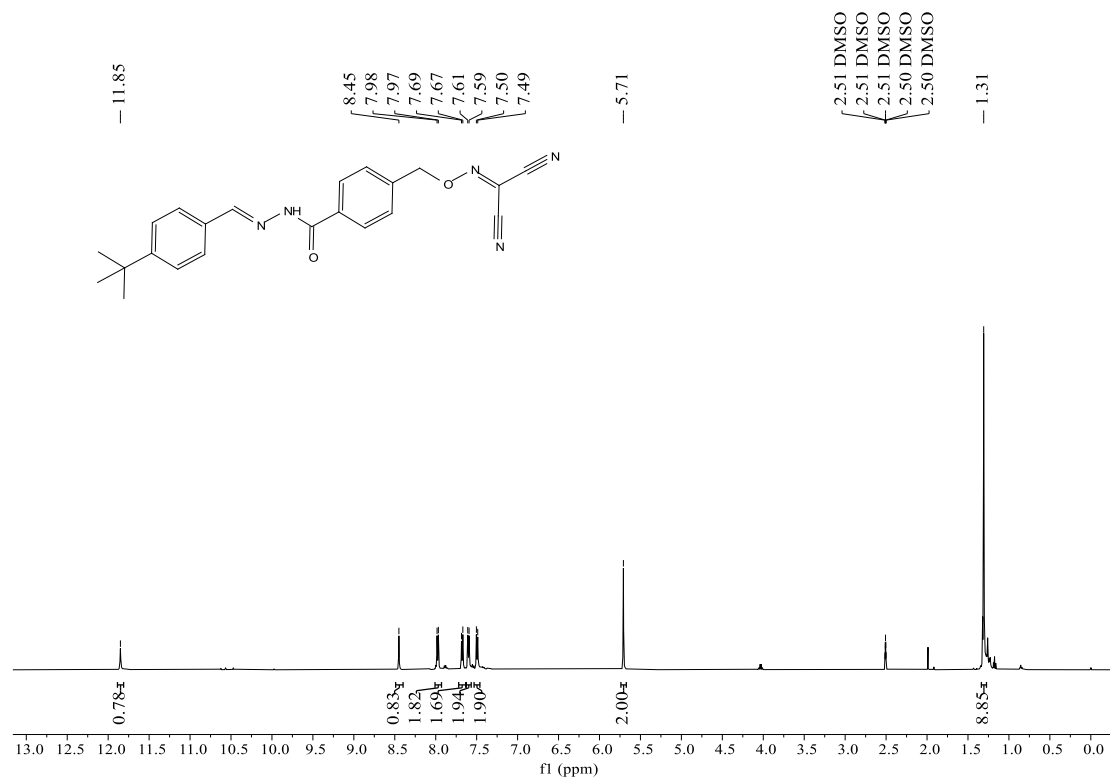
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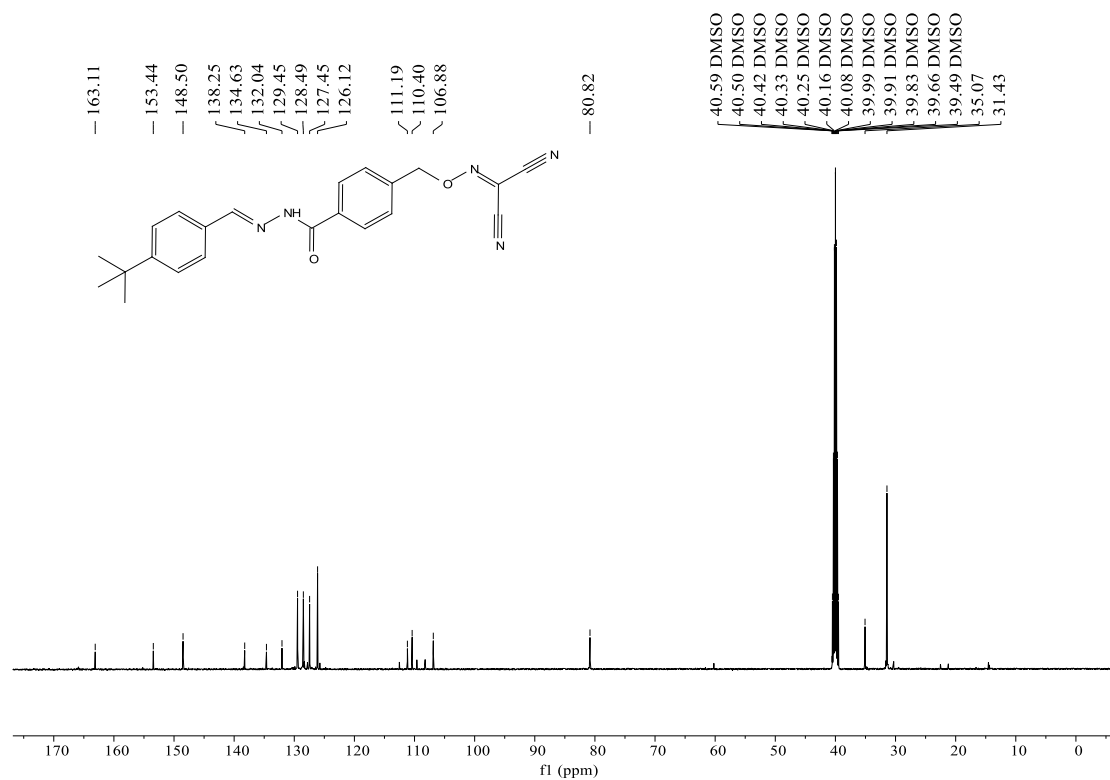
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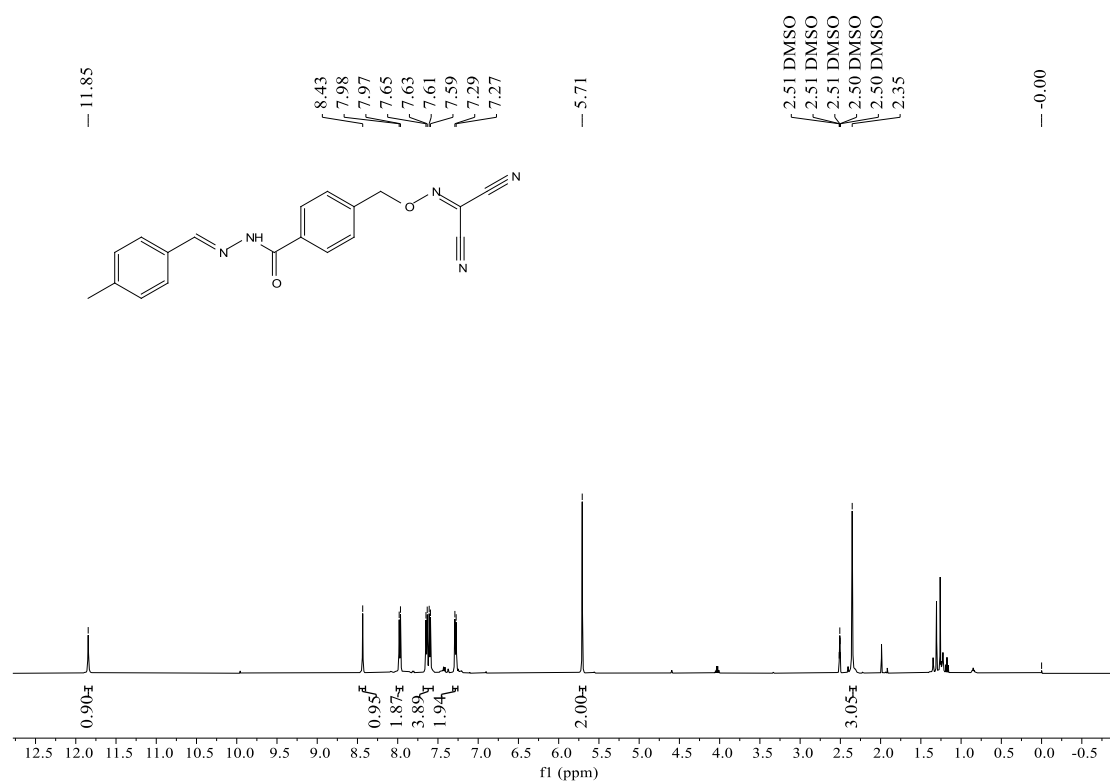
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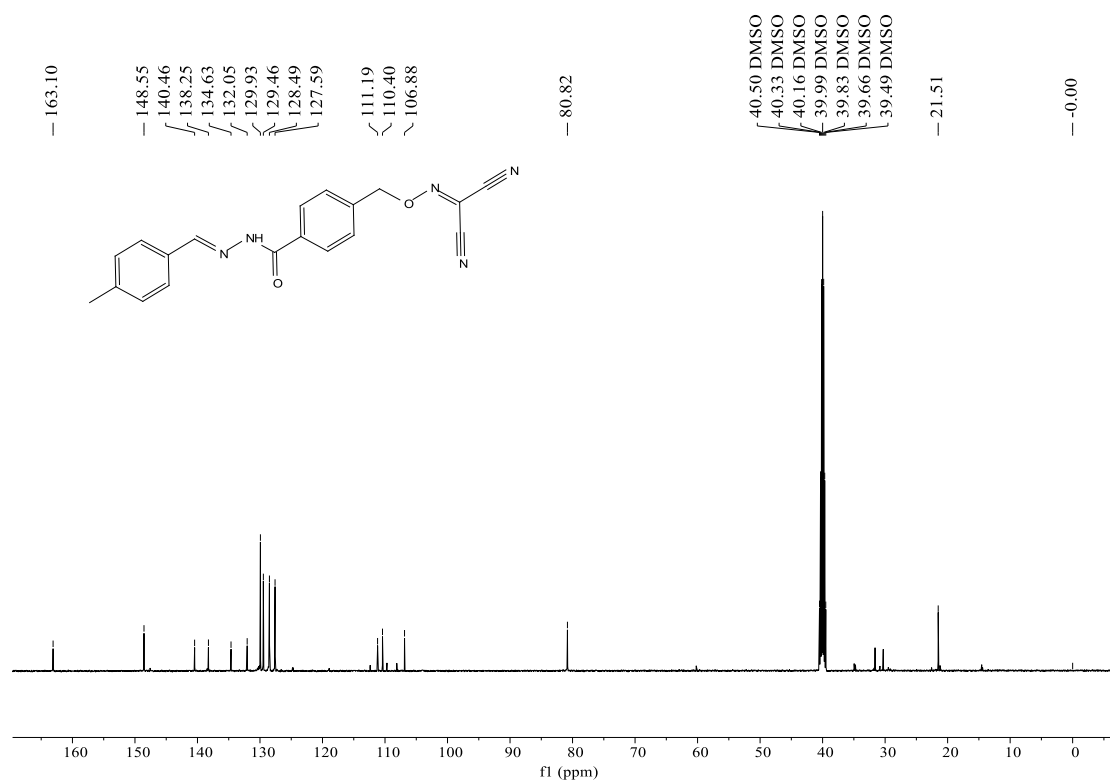
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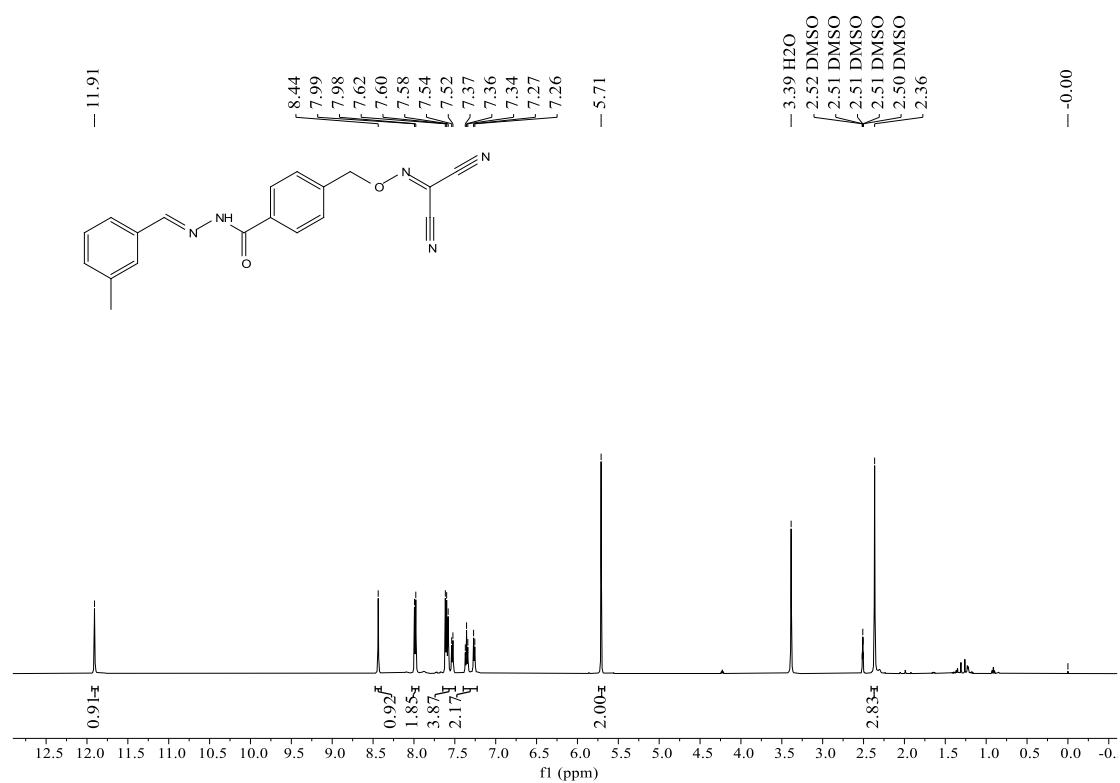
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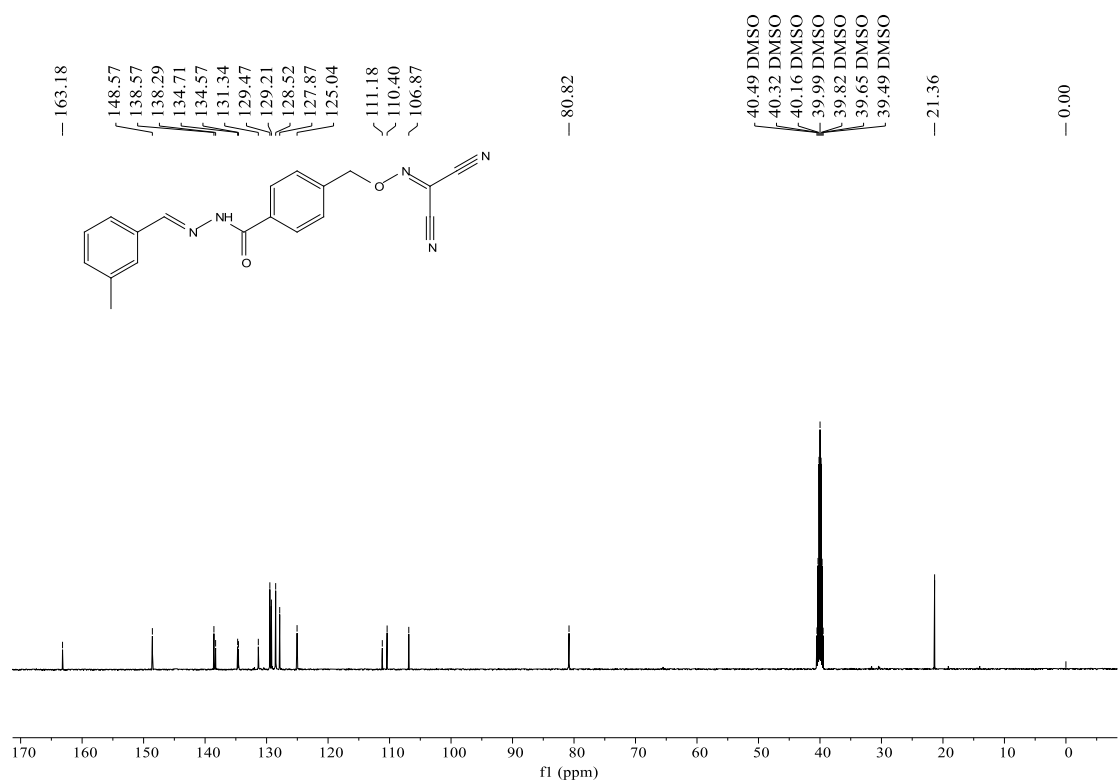
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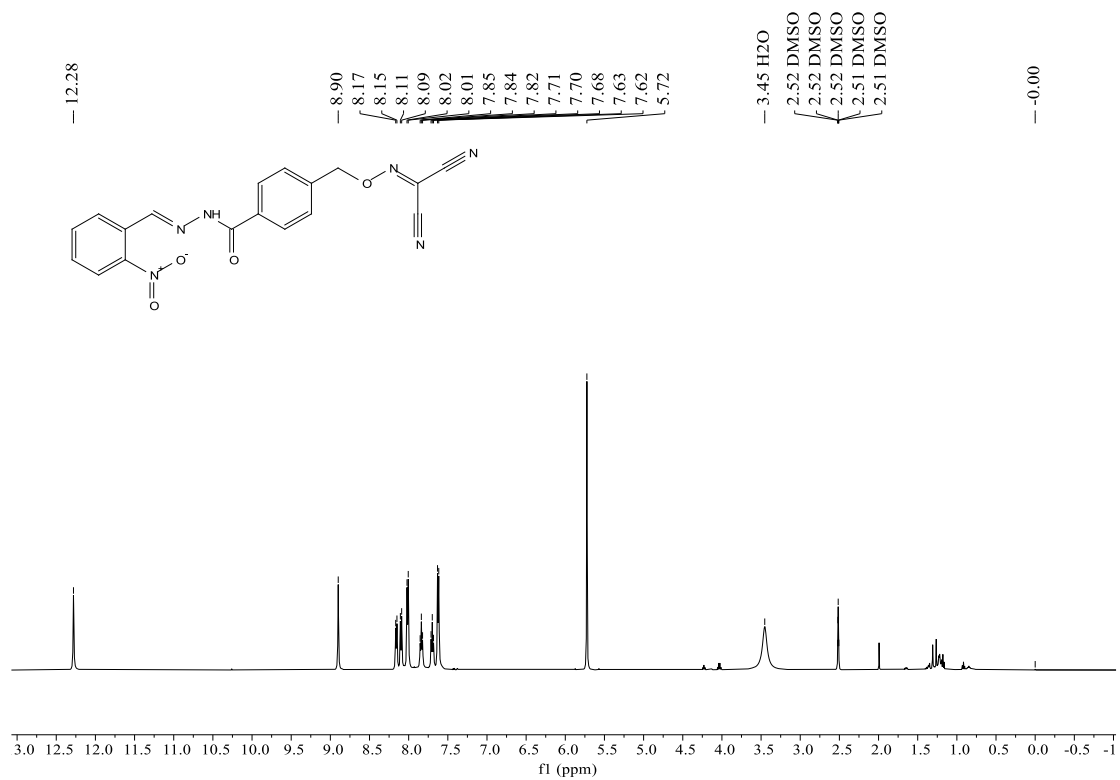
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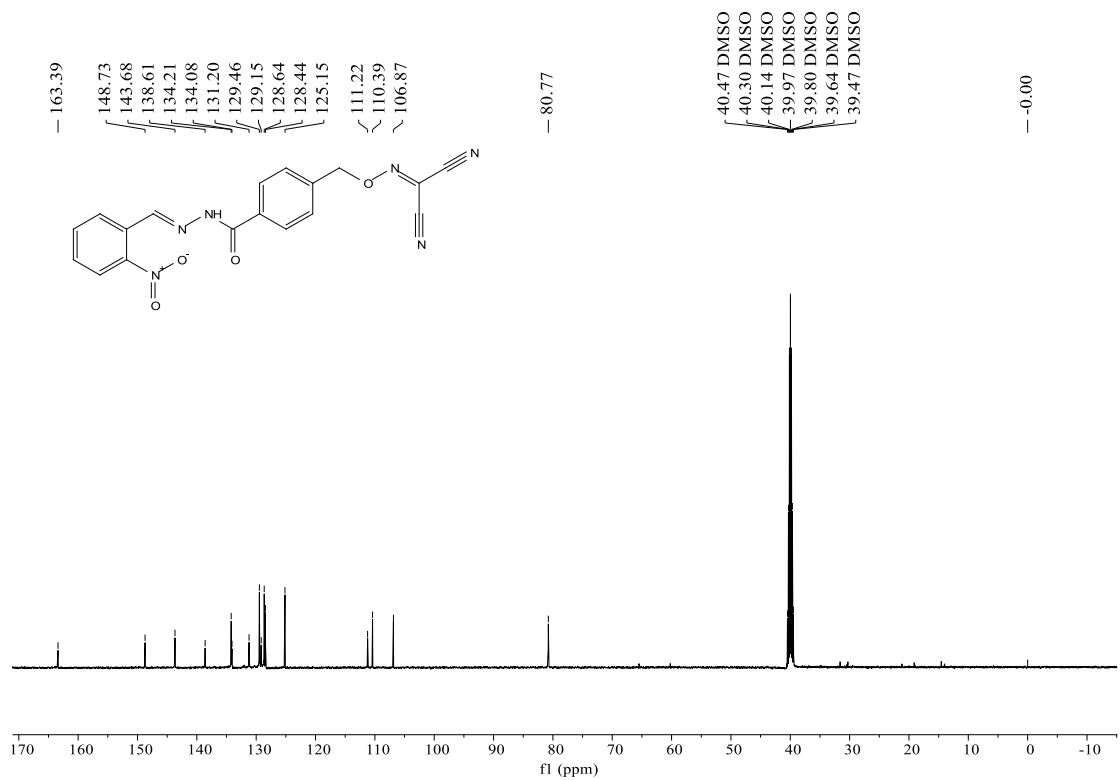
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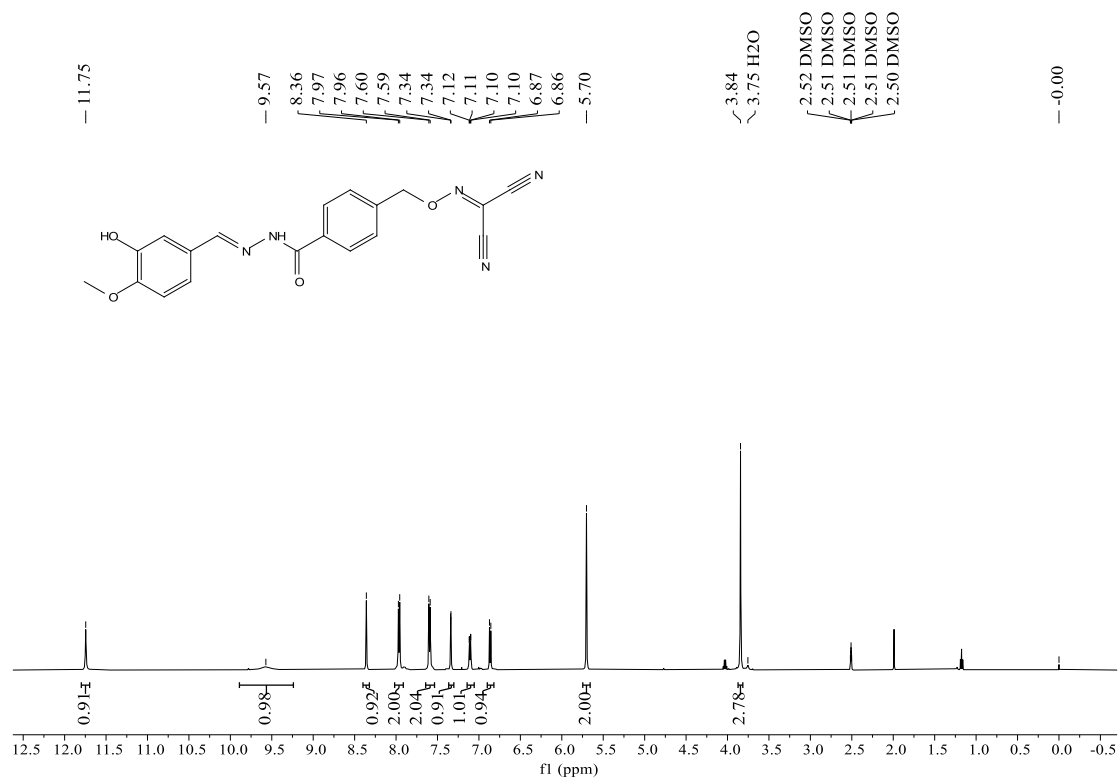
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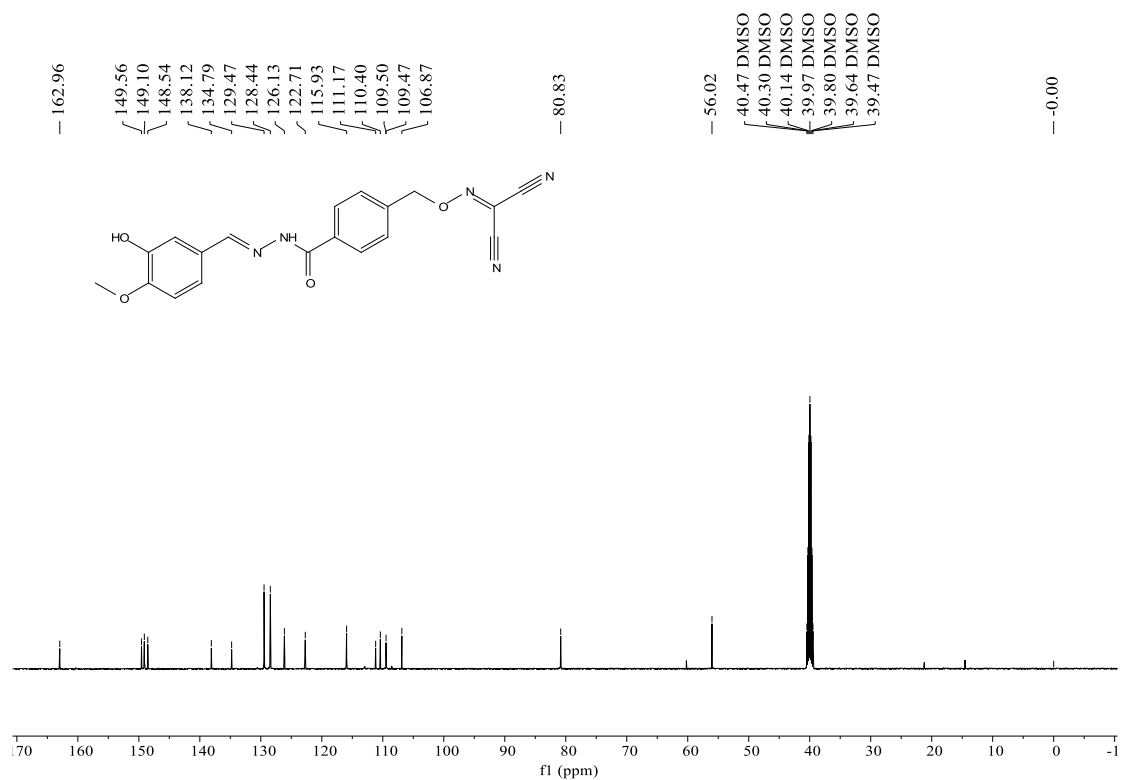
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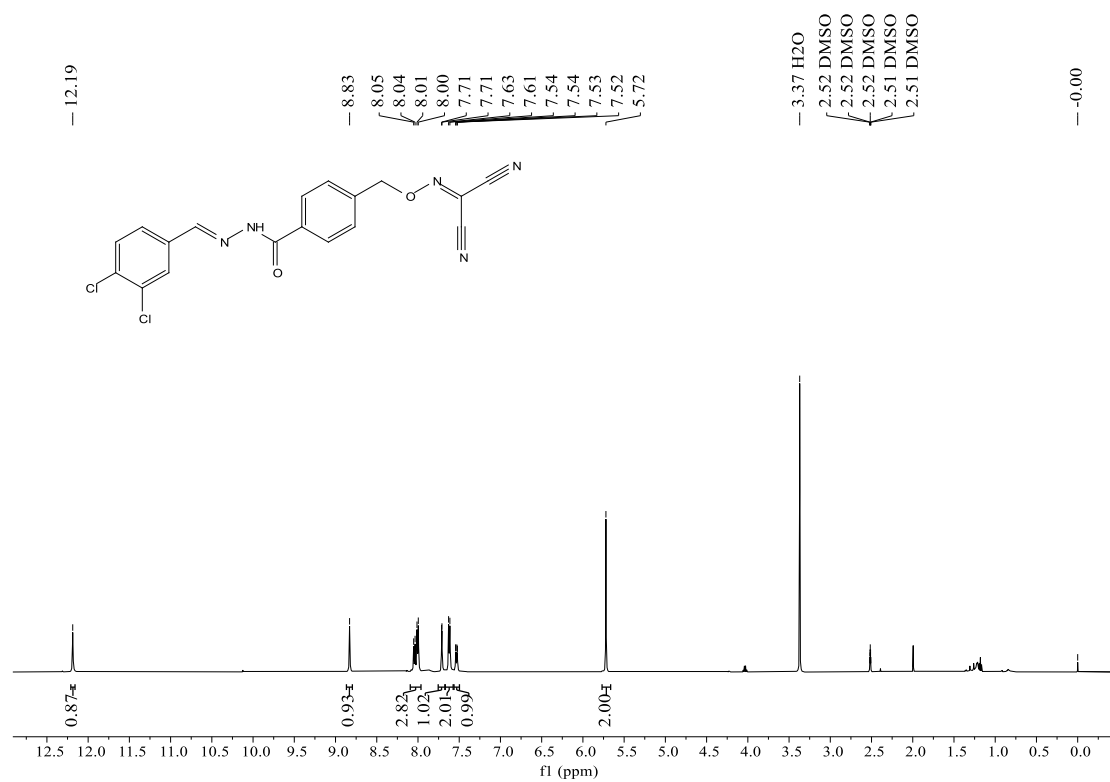
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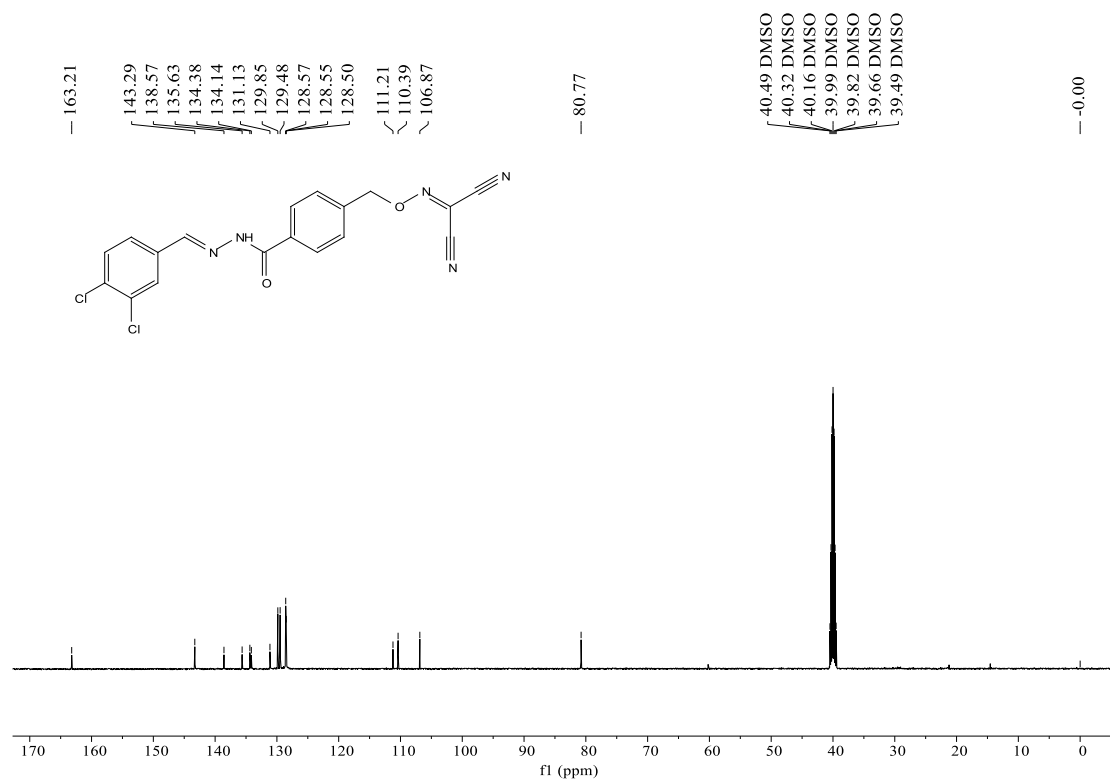
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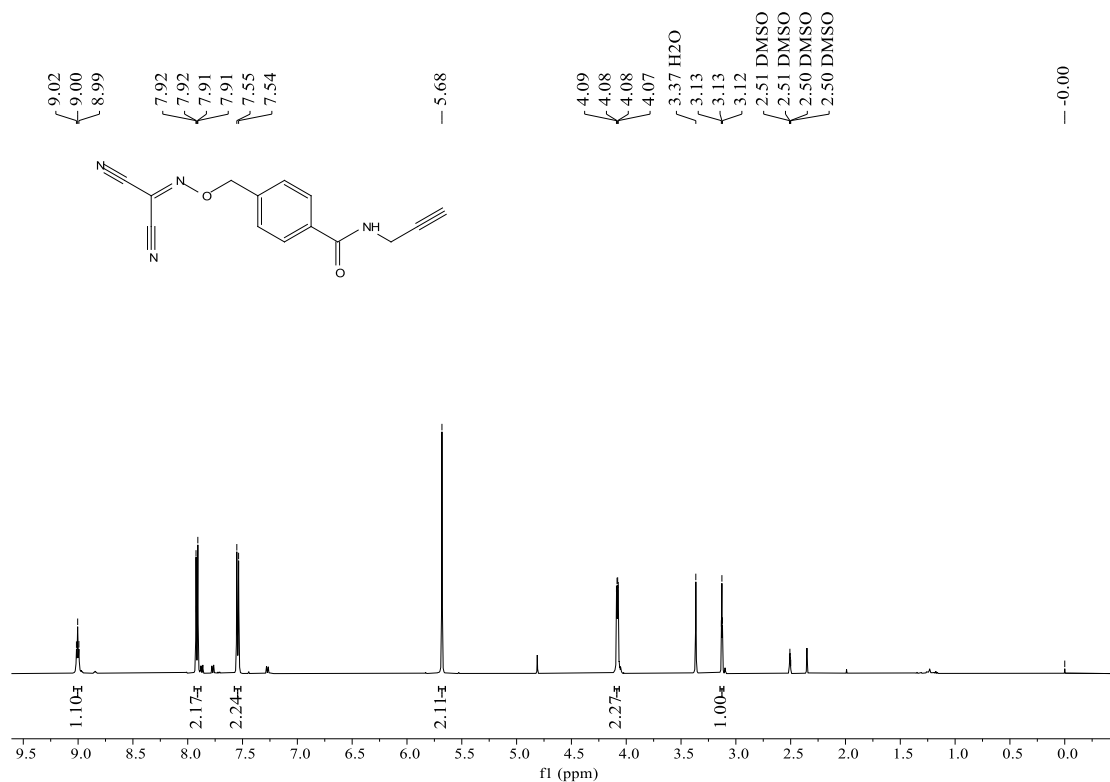
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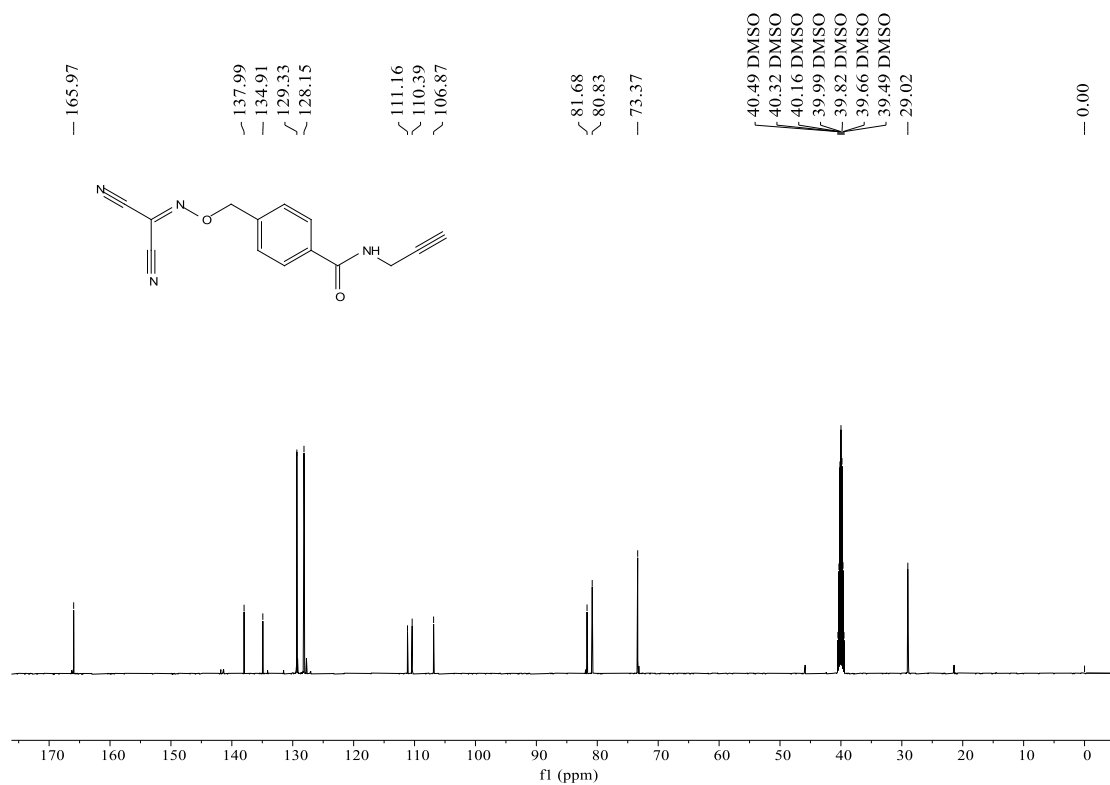
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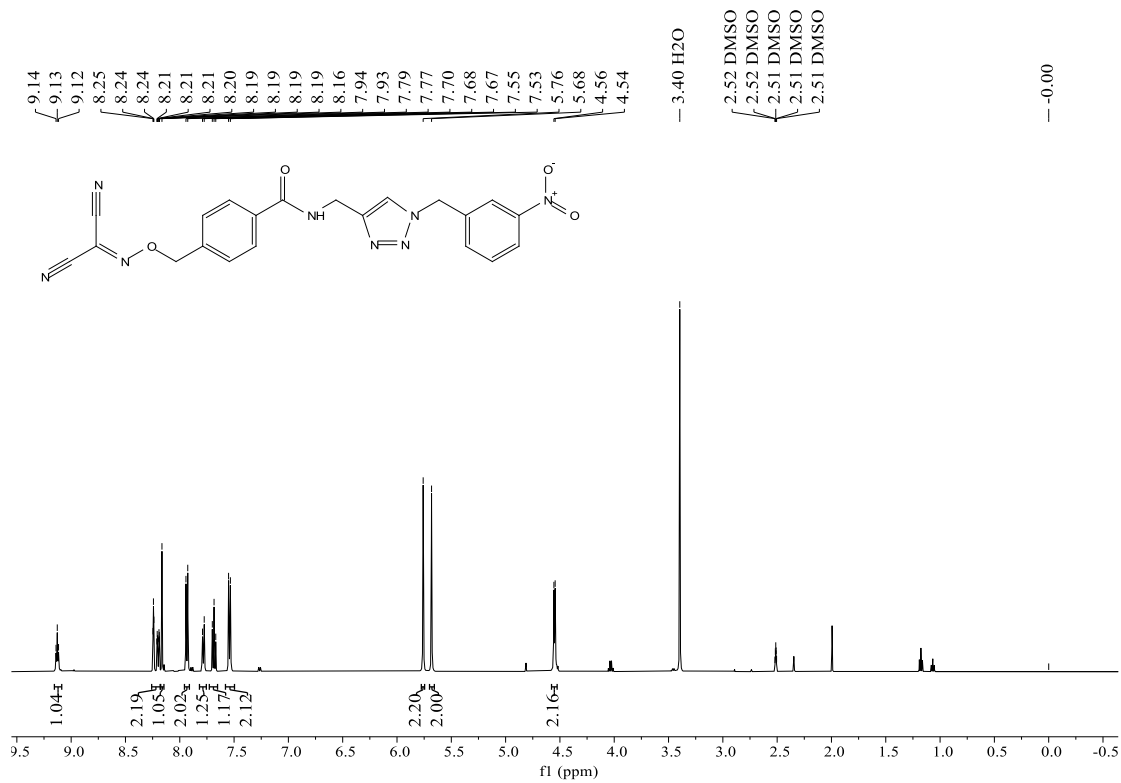
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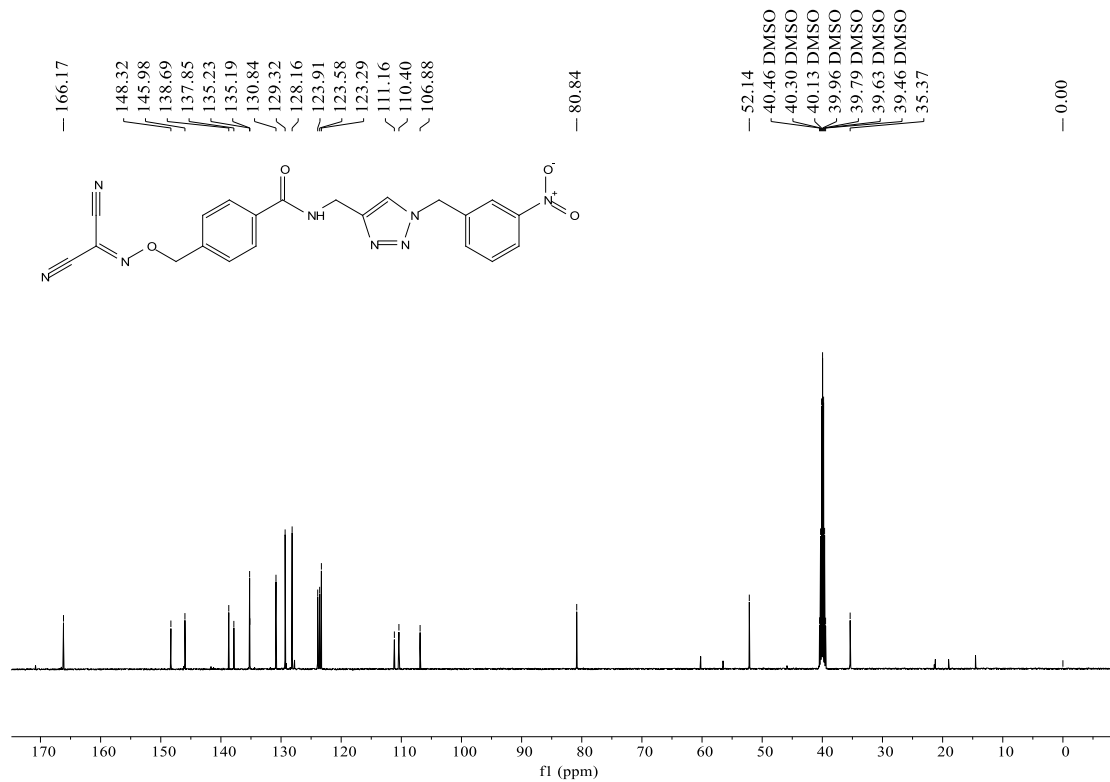
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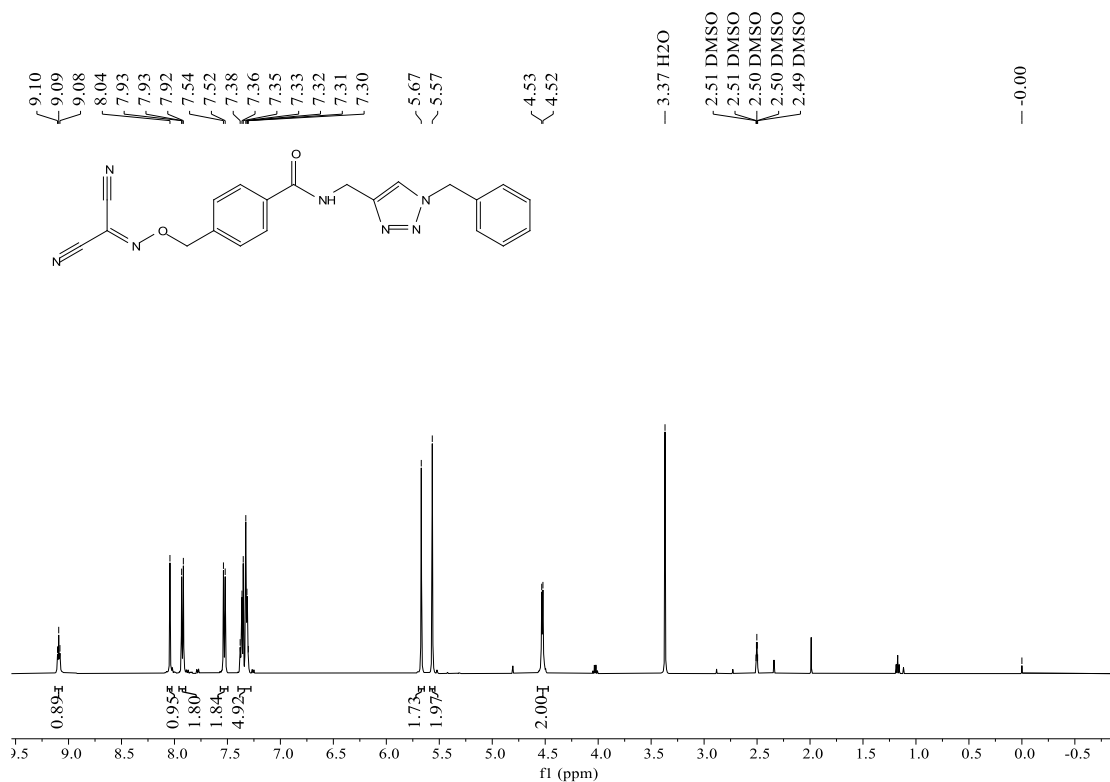
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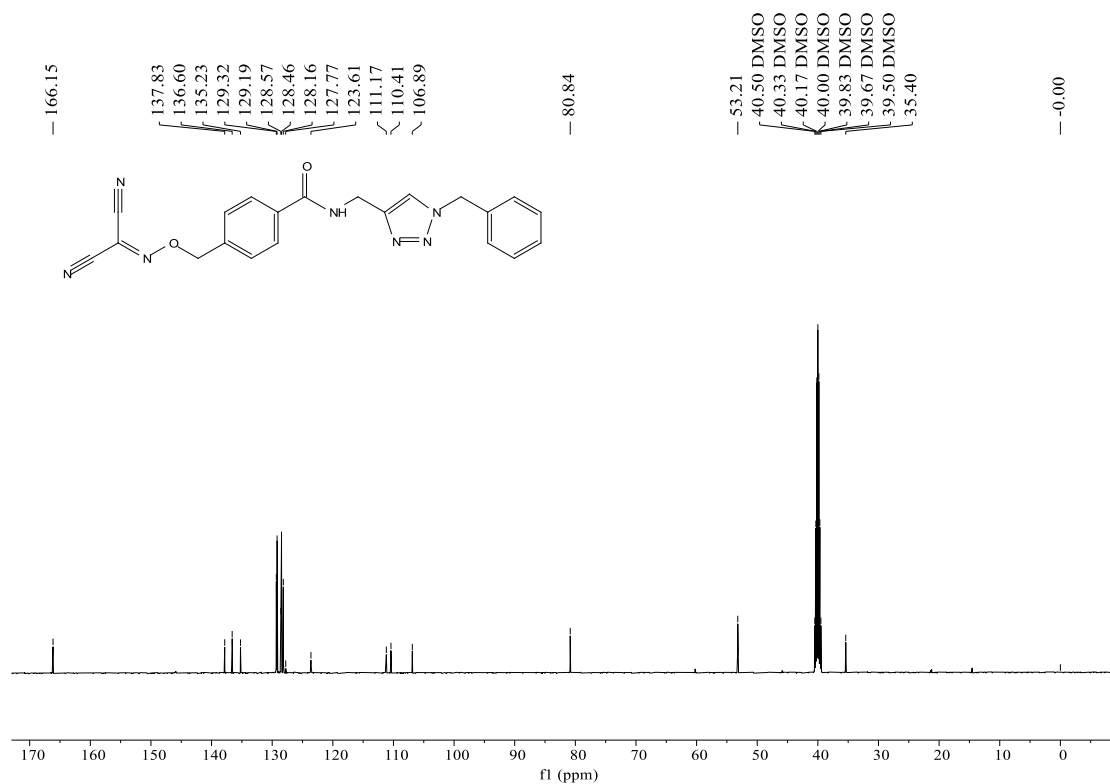
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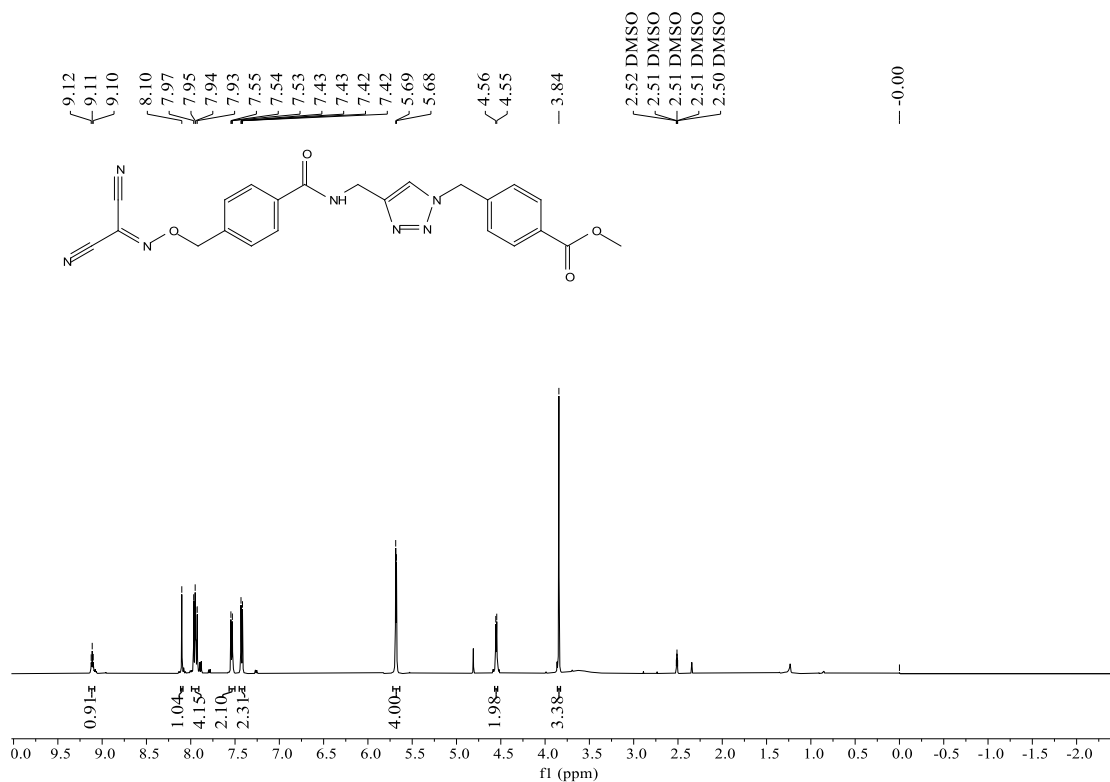
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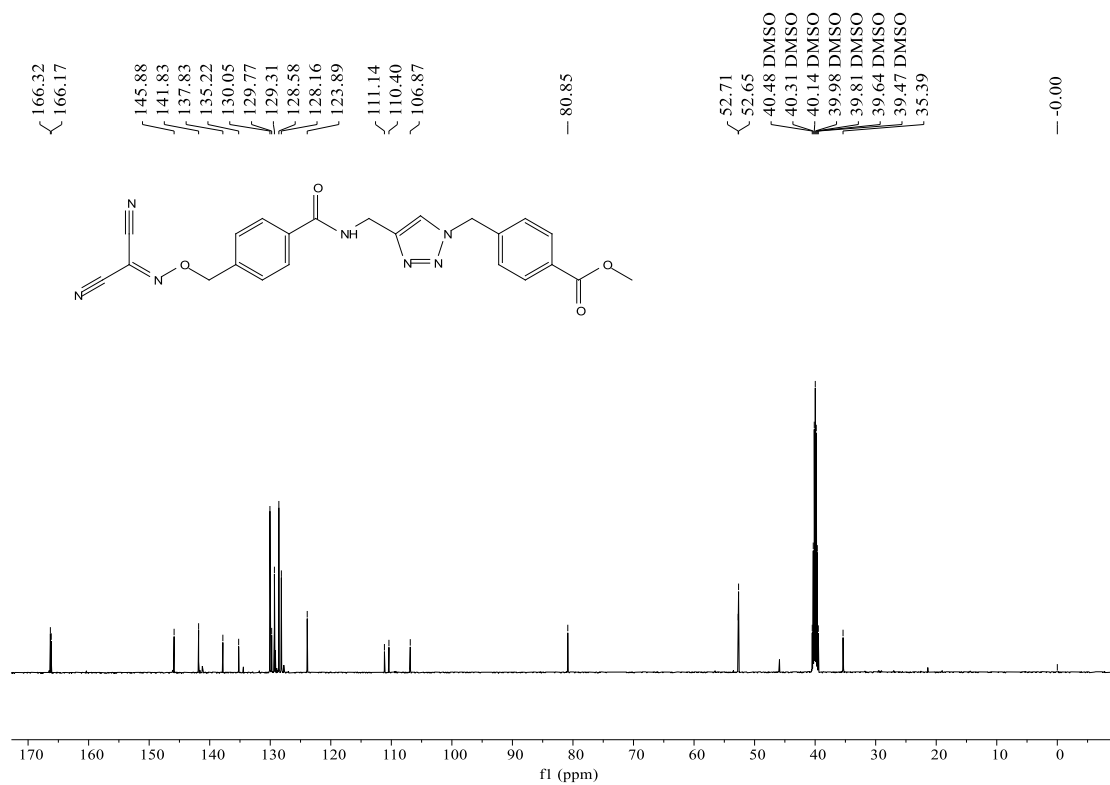
¹H NMR for compound E2



¹³C NMR for compound E2



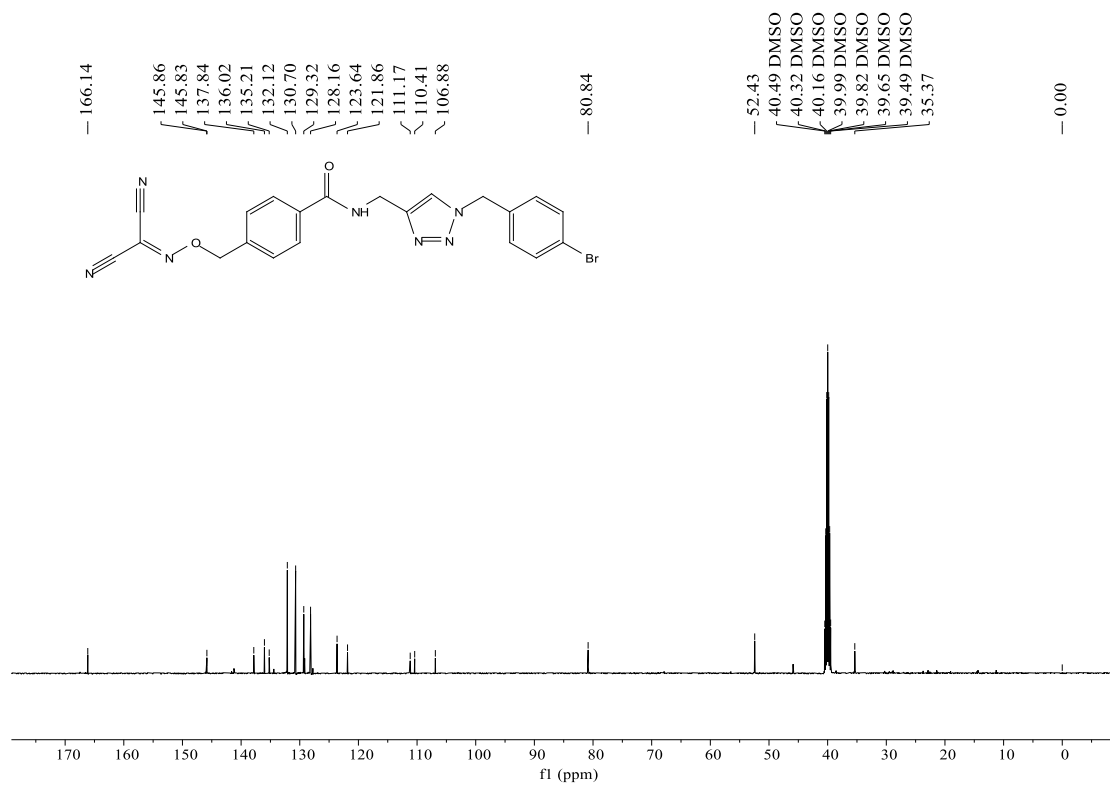
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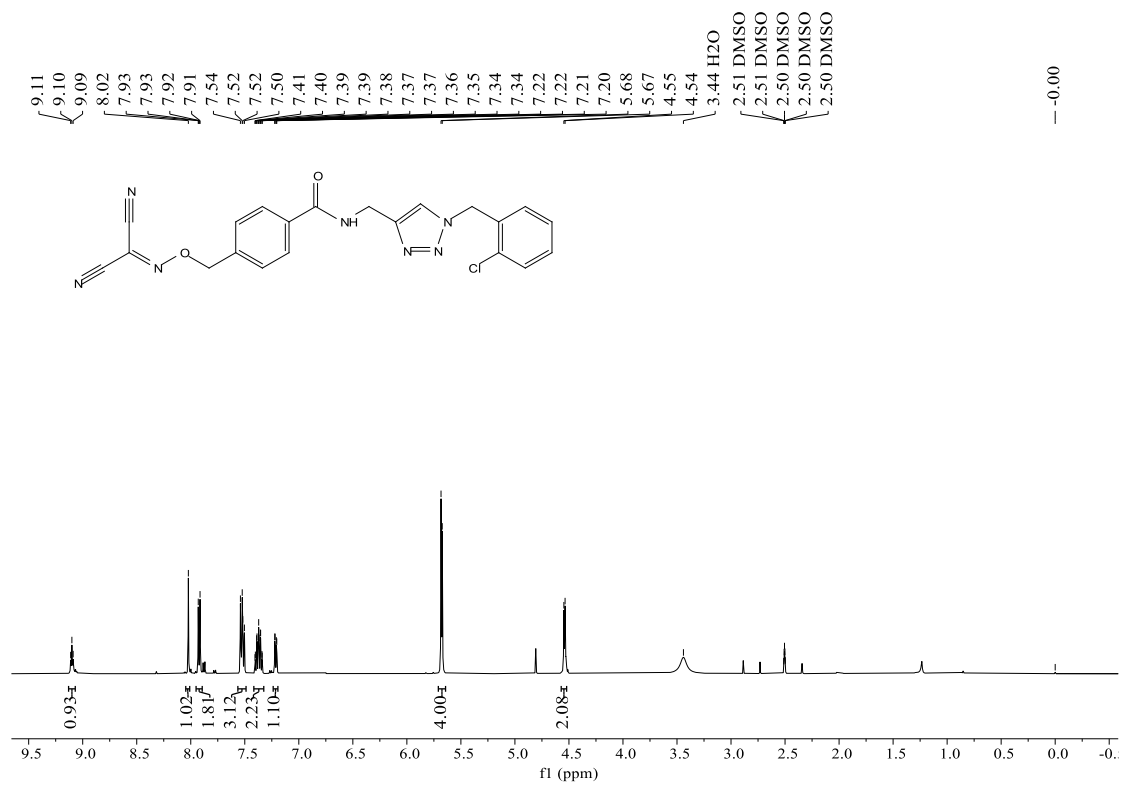
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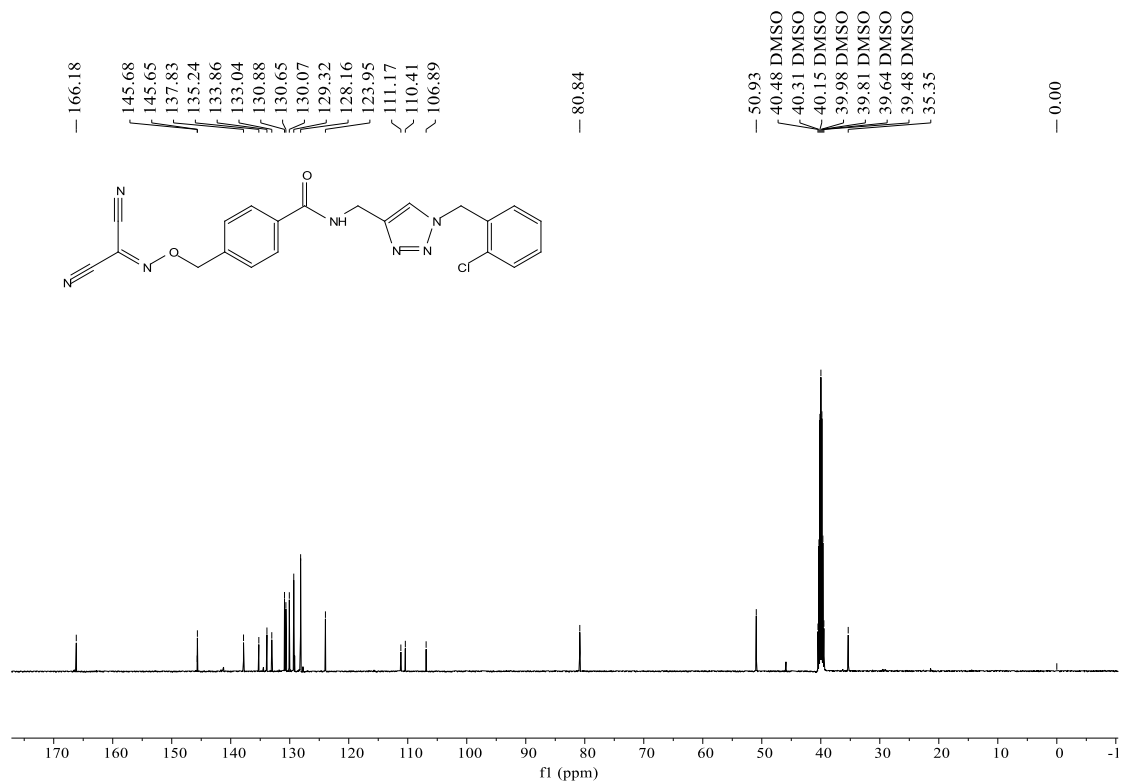
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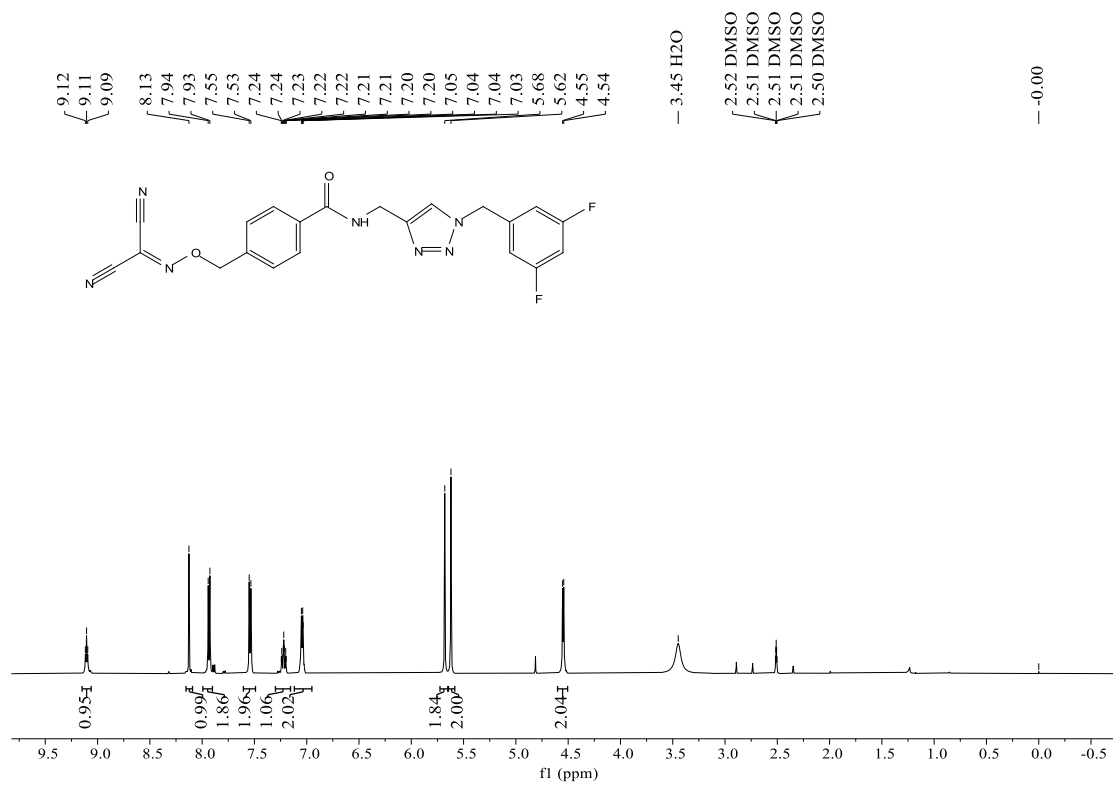
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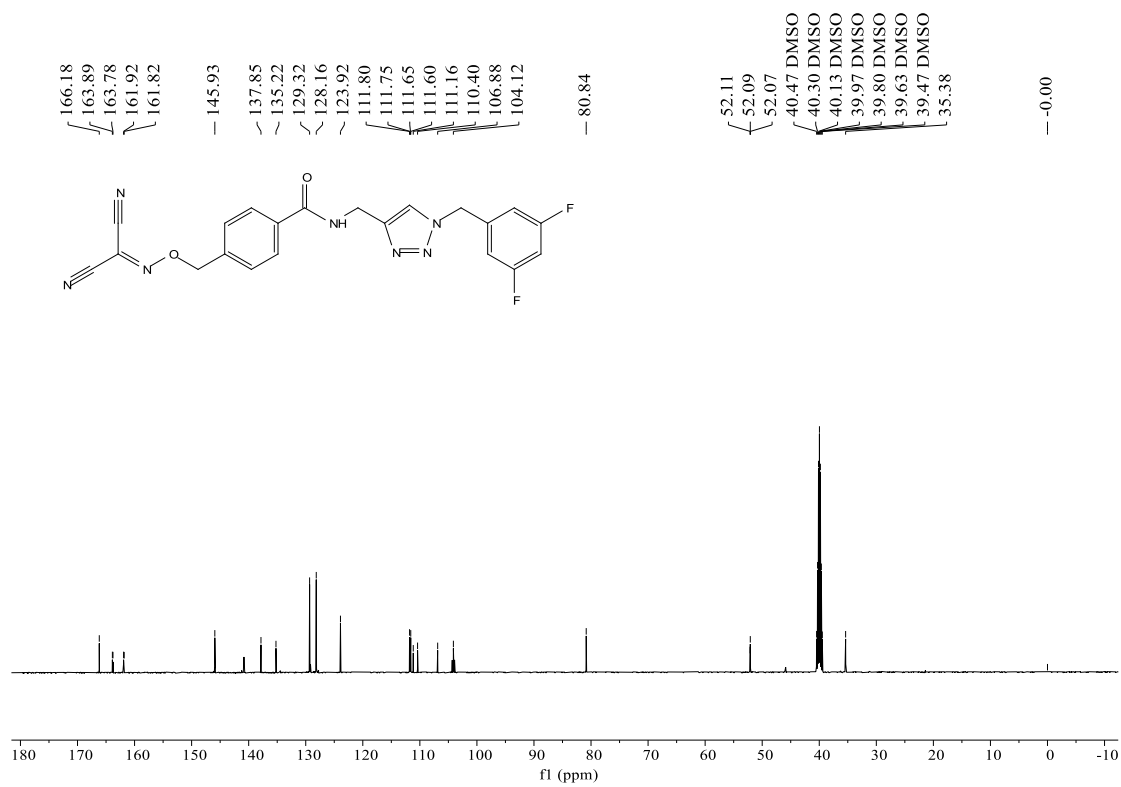
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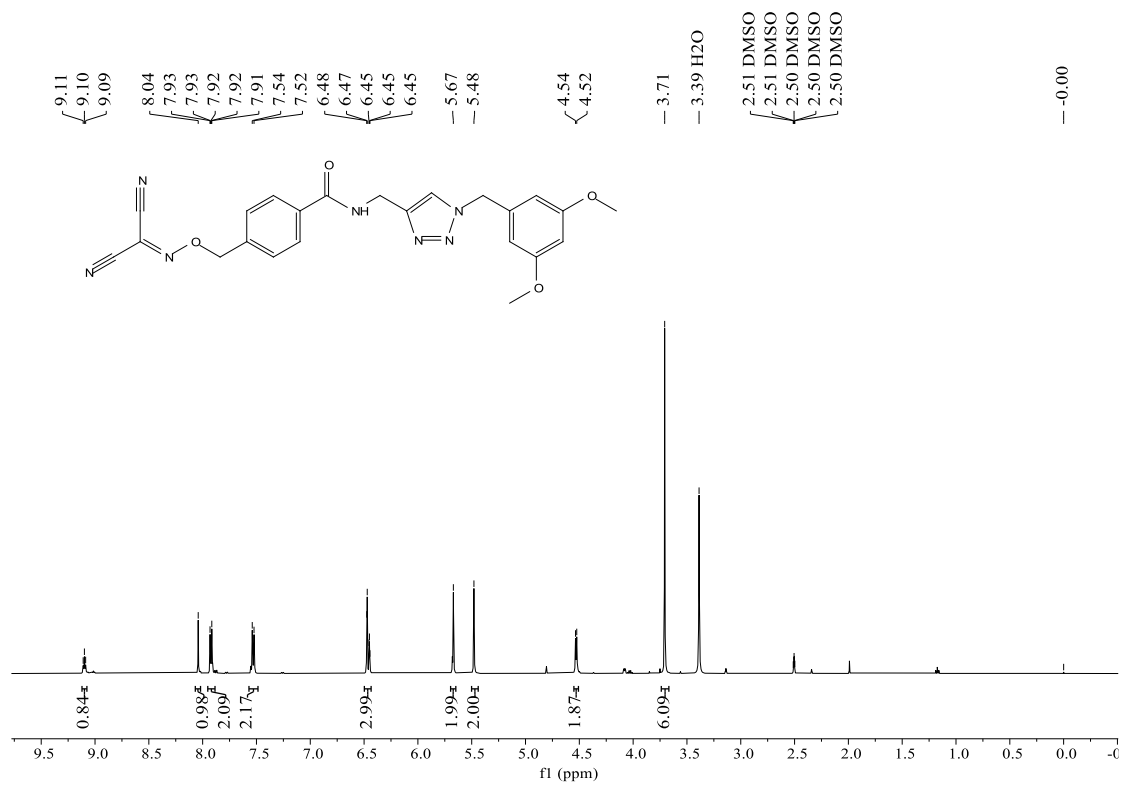
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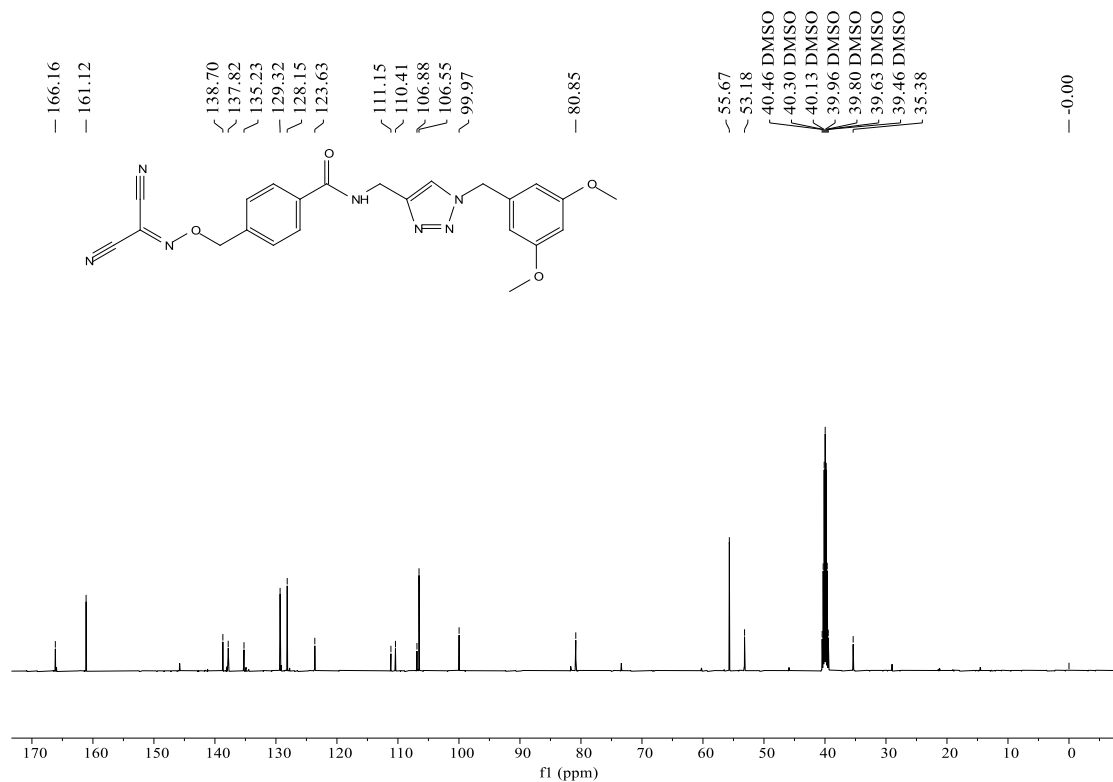
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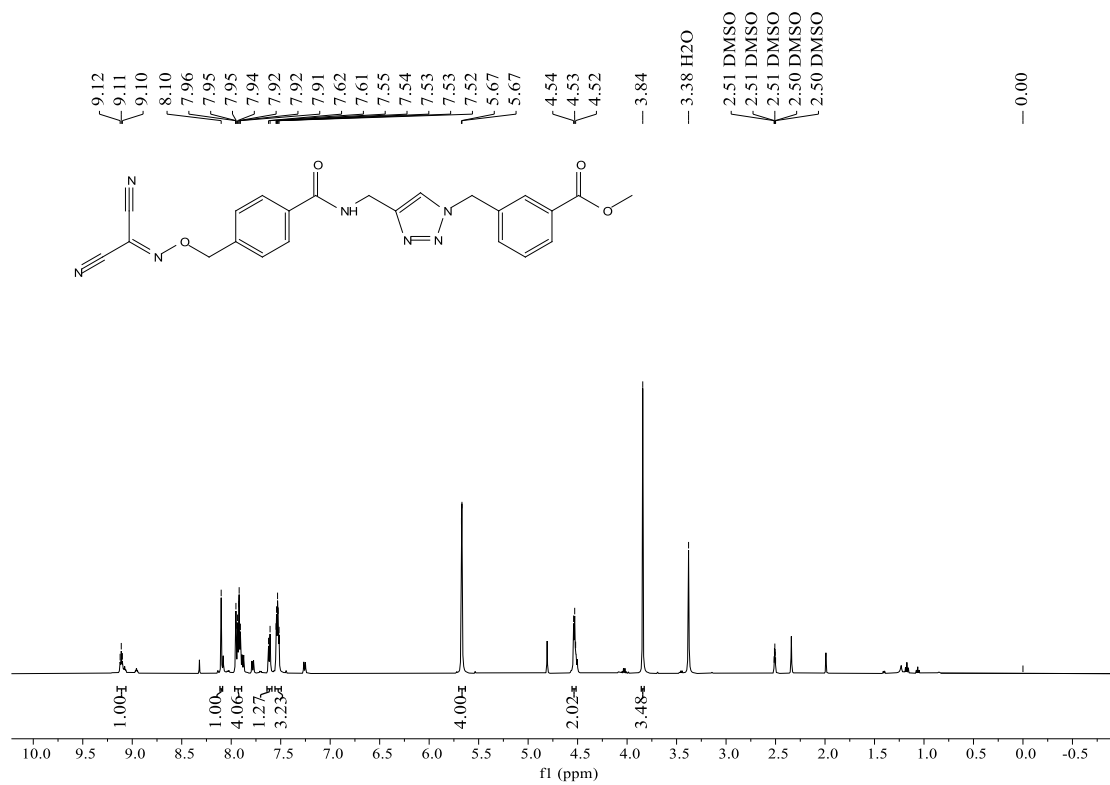
¹³C NMR for compound E6



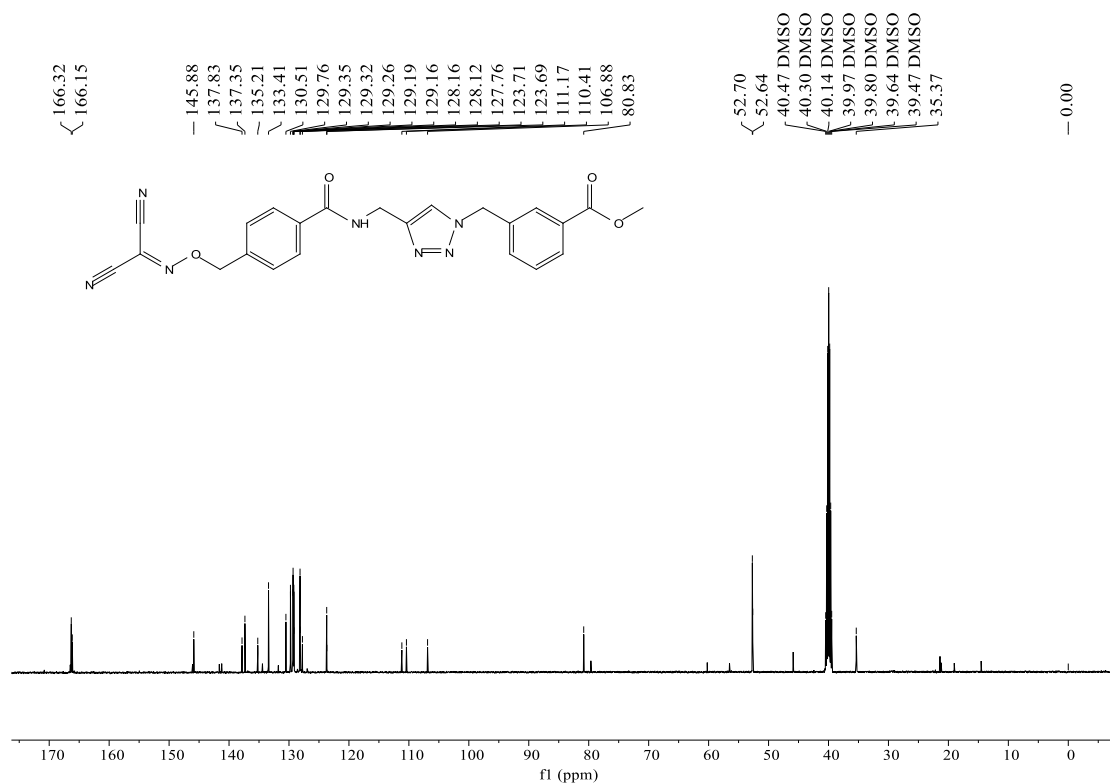
¹H NMR for compound E7



¹³C NMR for compound E7



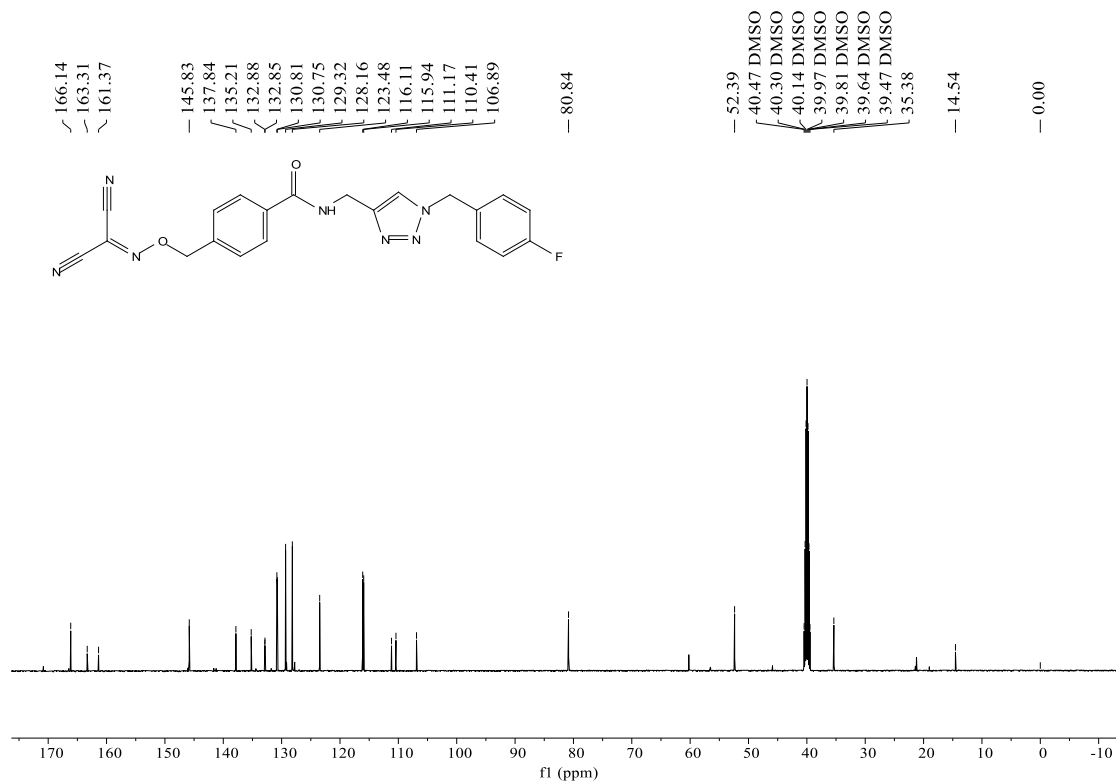
¹H NMR for compound E8



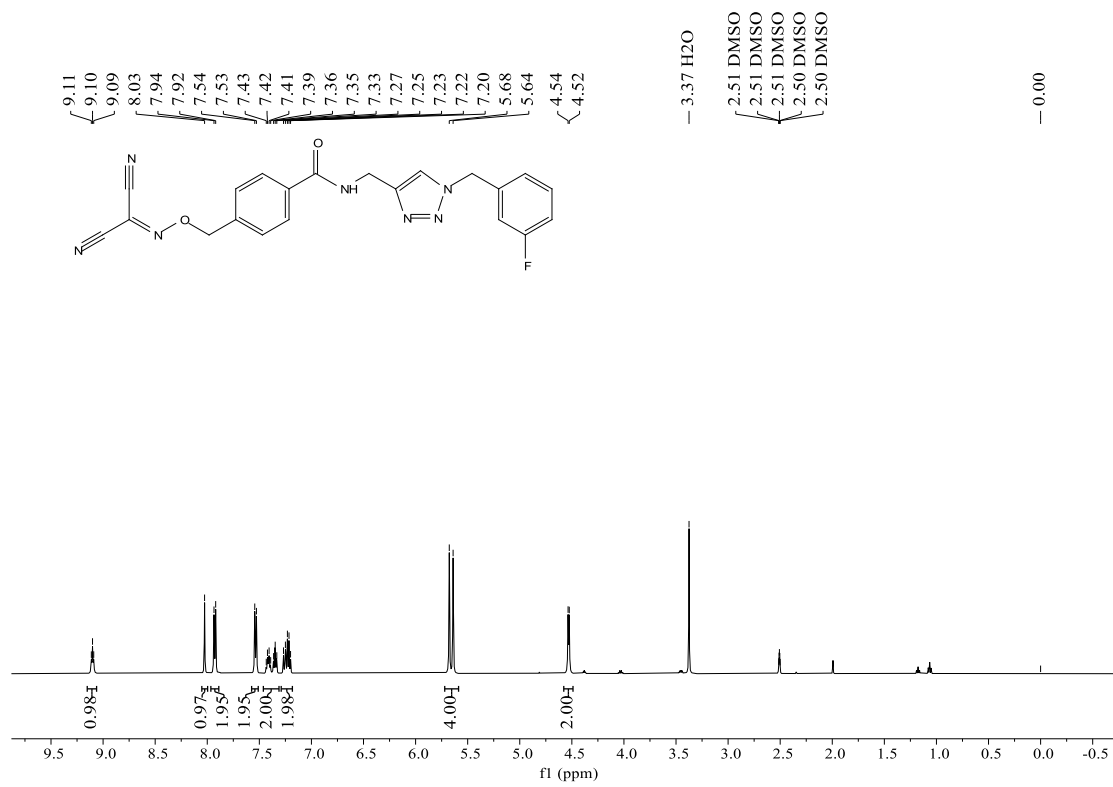
¹³C NMR for compound E8



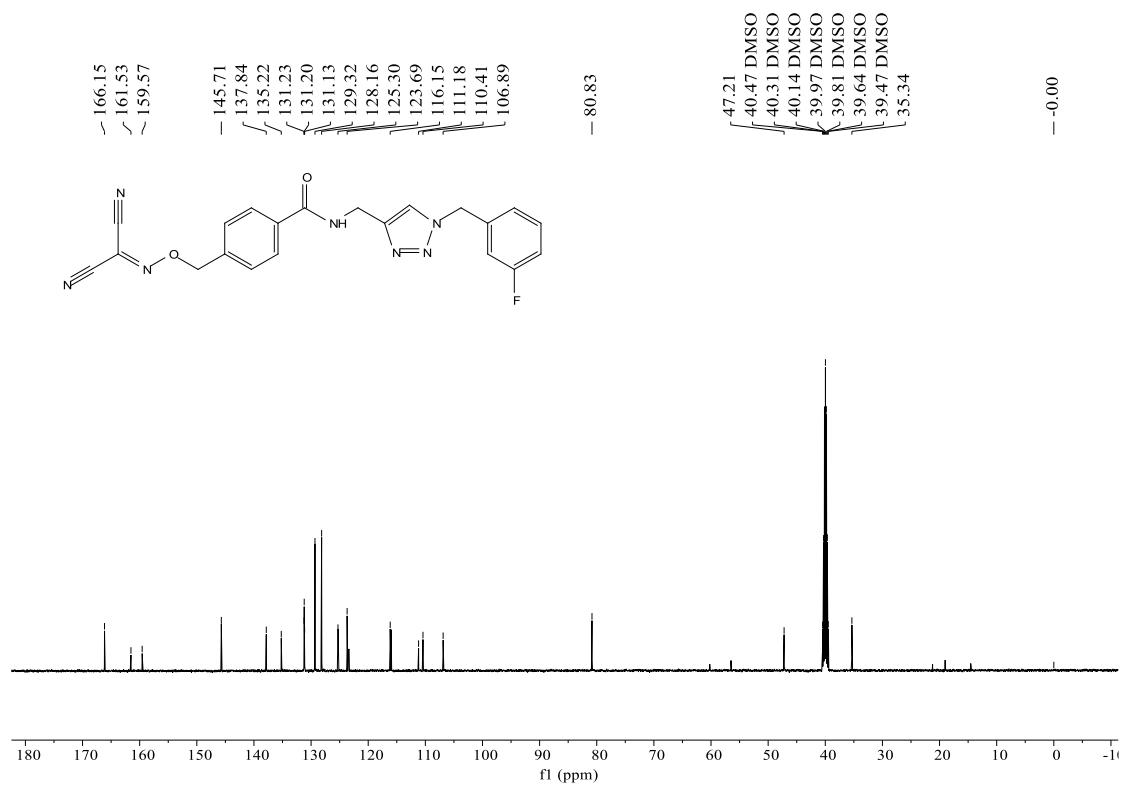
¹H NMR for compound E9



¹³C NMR for compound E9



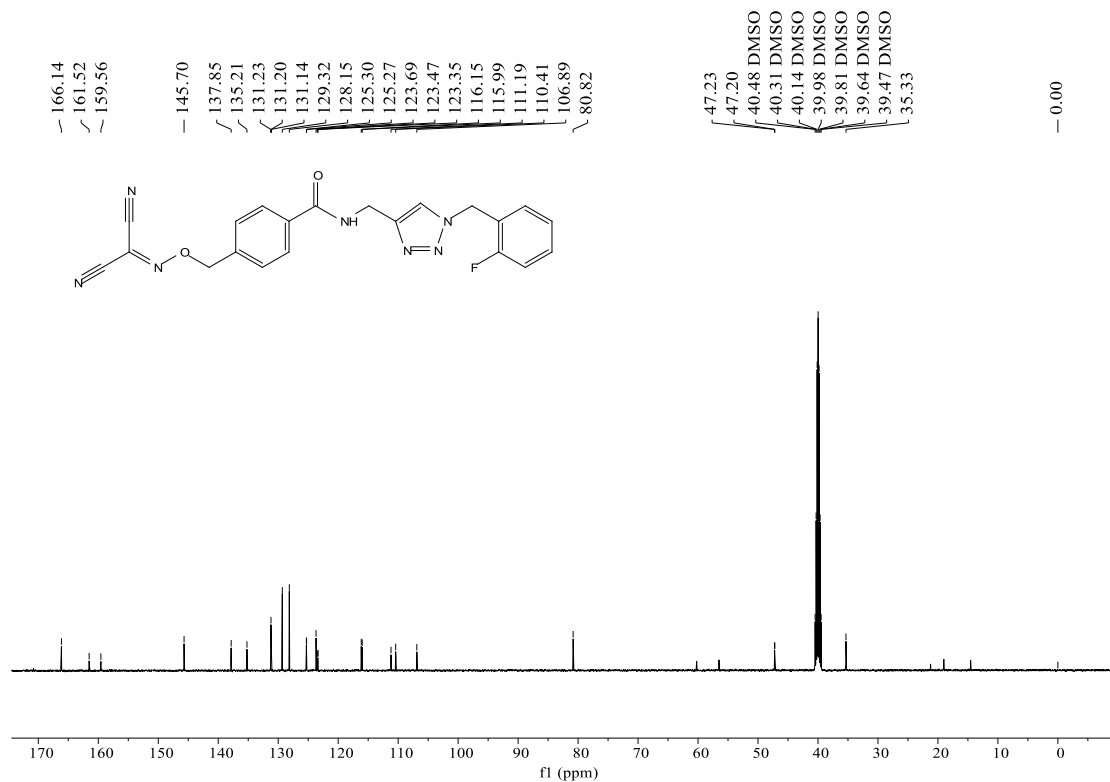
¹H NMR for compound E10



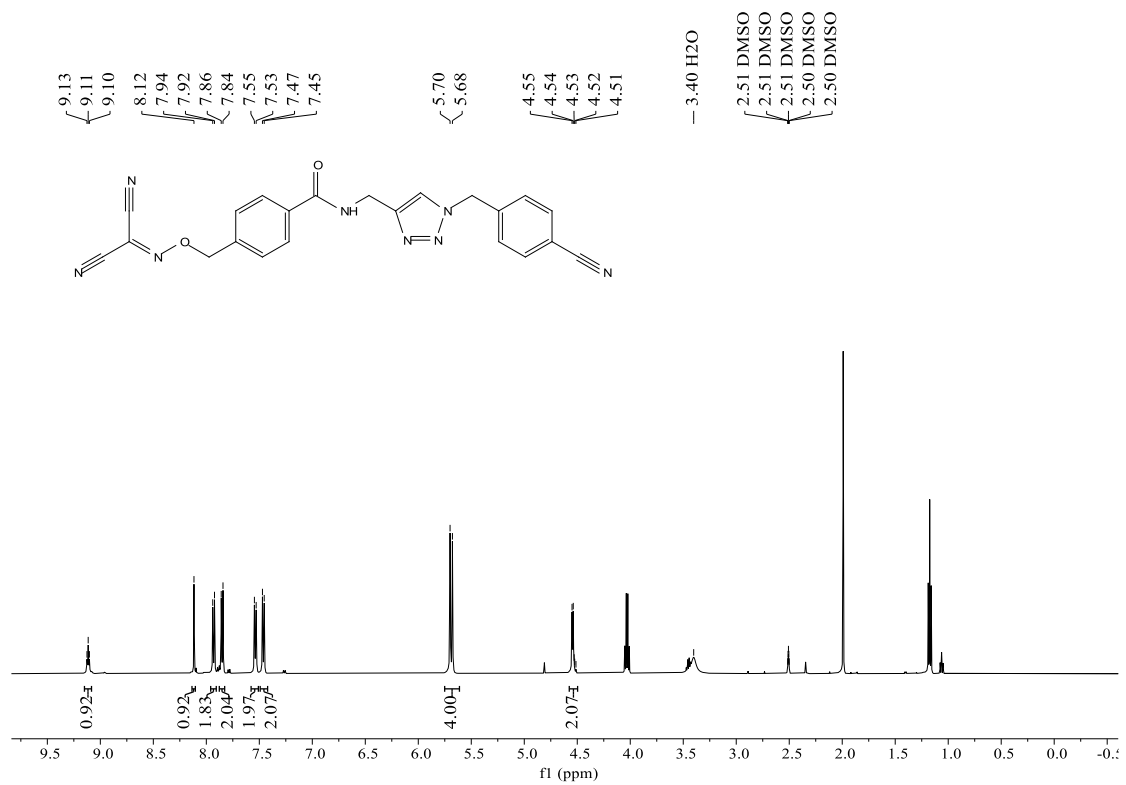
¹³C NMR for compound E10



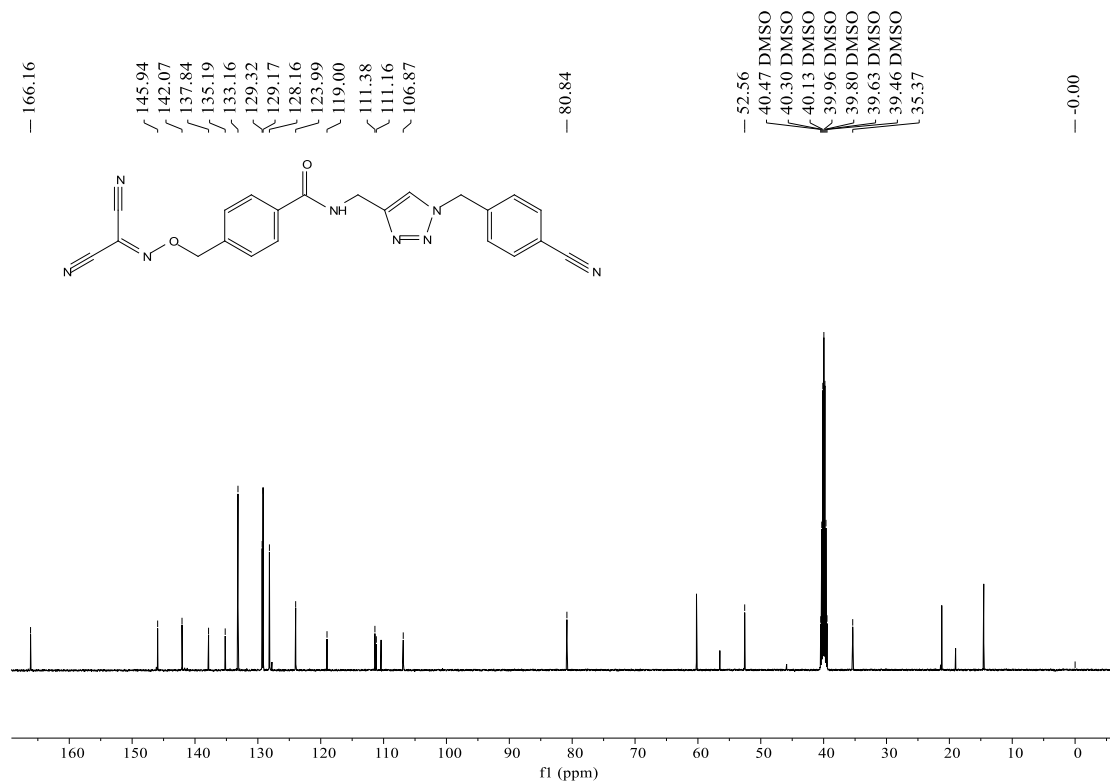
¹H NMR for compound E11



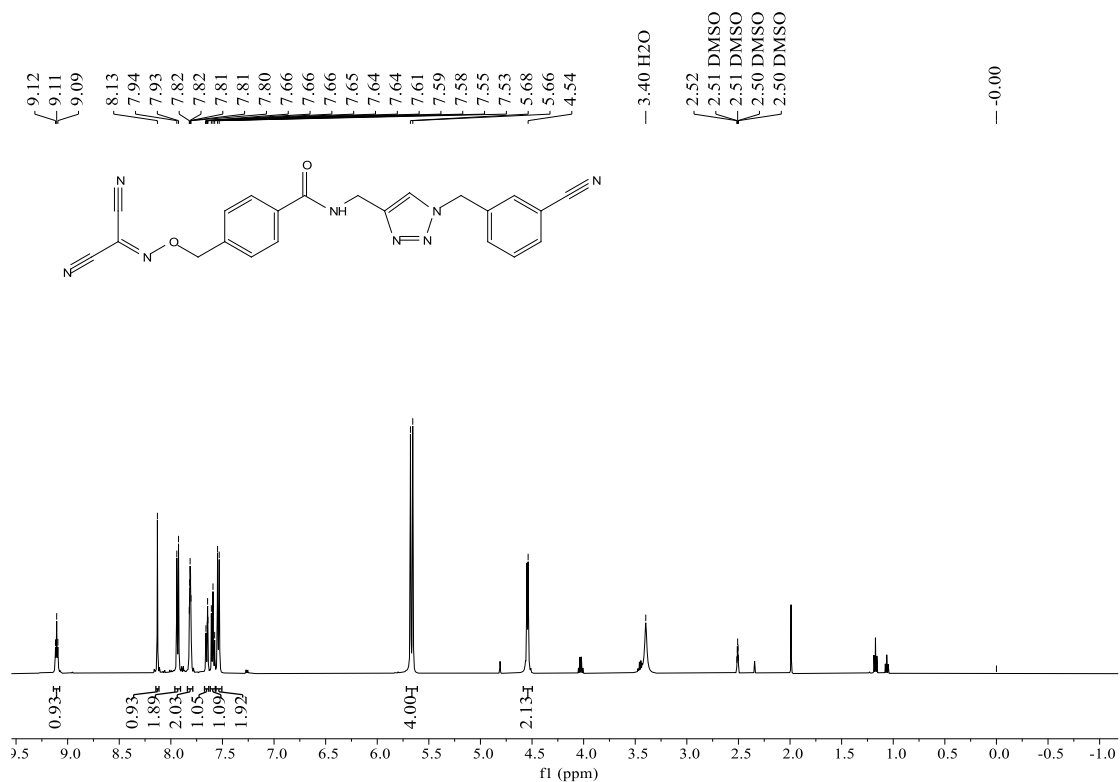
¹³C NMR for compound E11



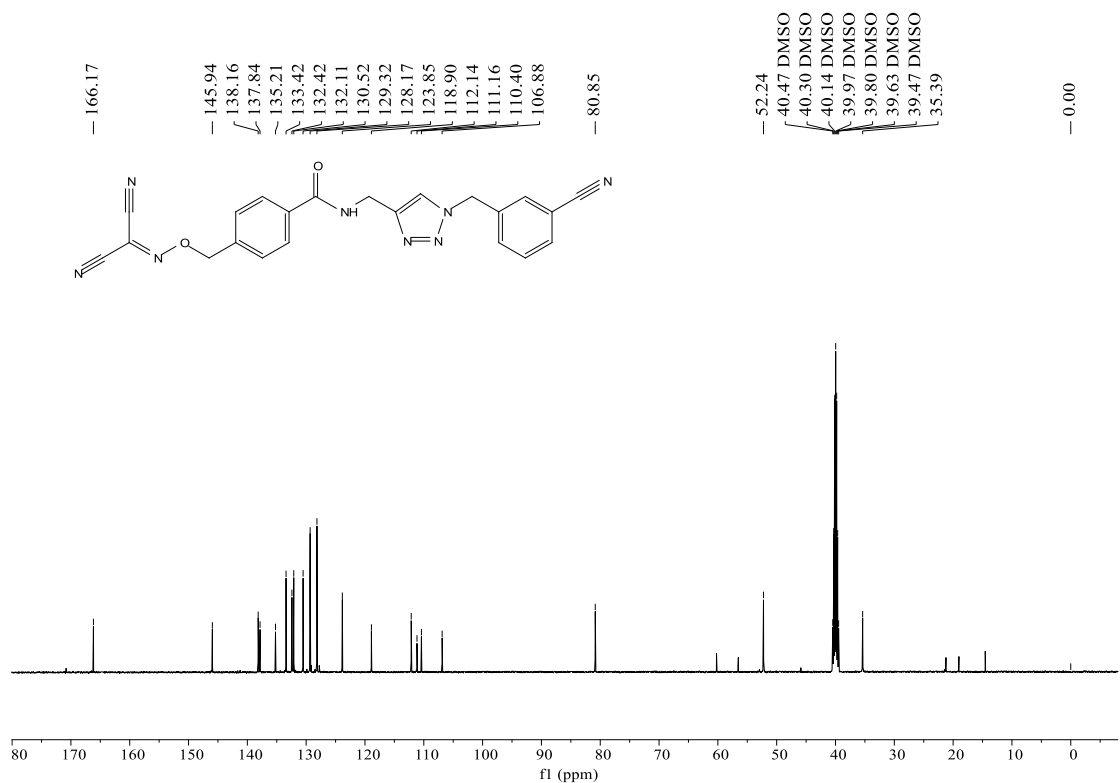
¹H NMR for compound E12



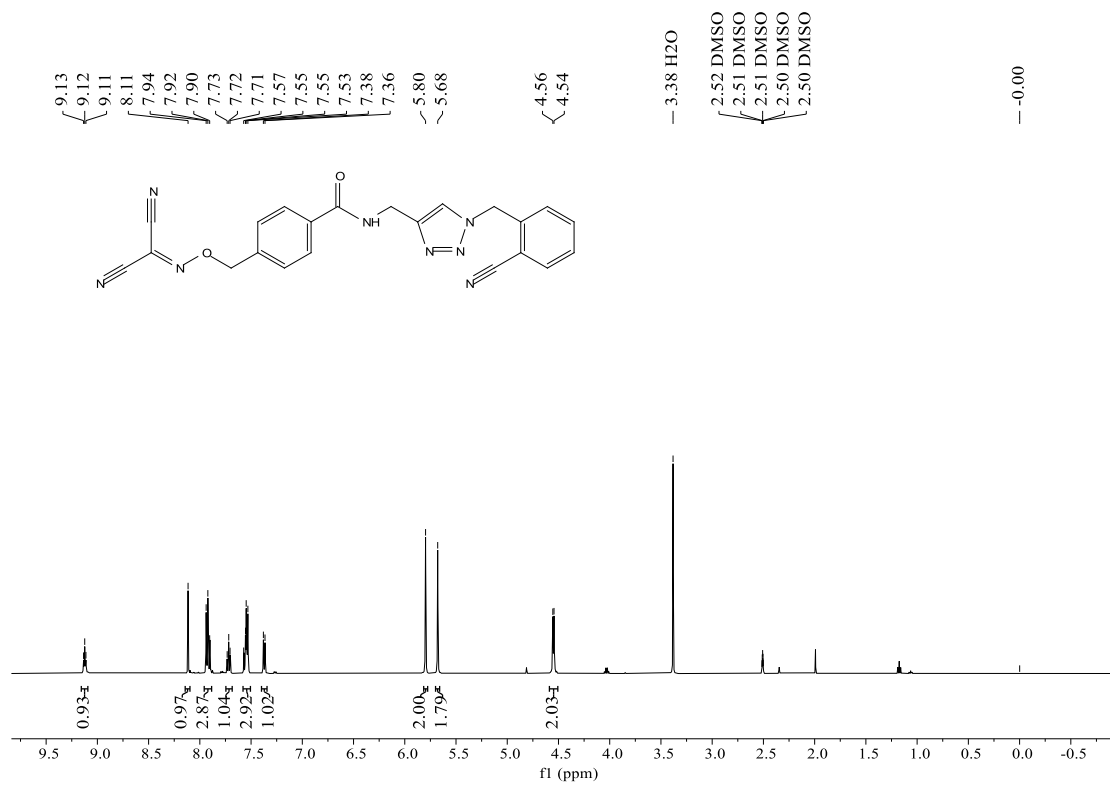
¹³C NMR for compound E12



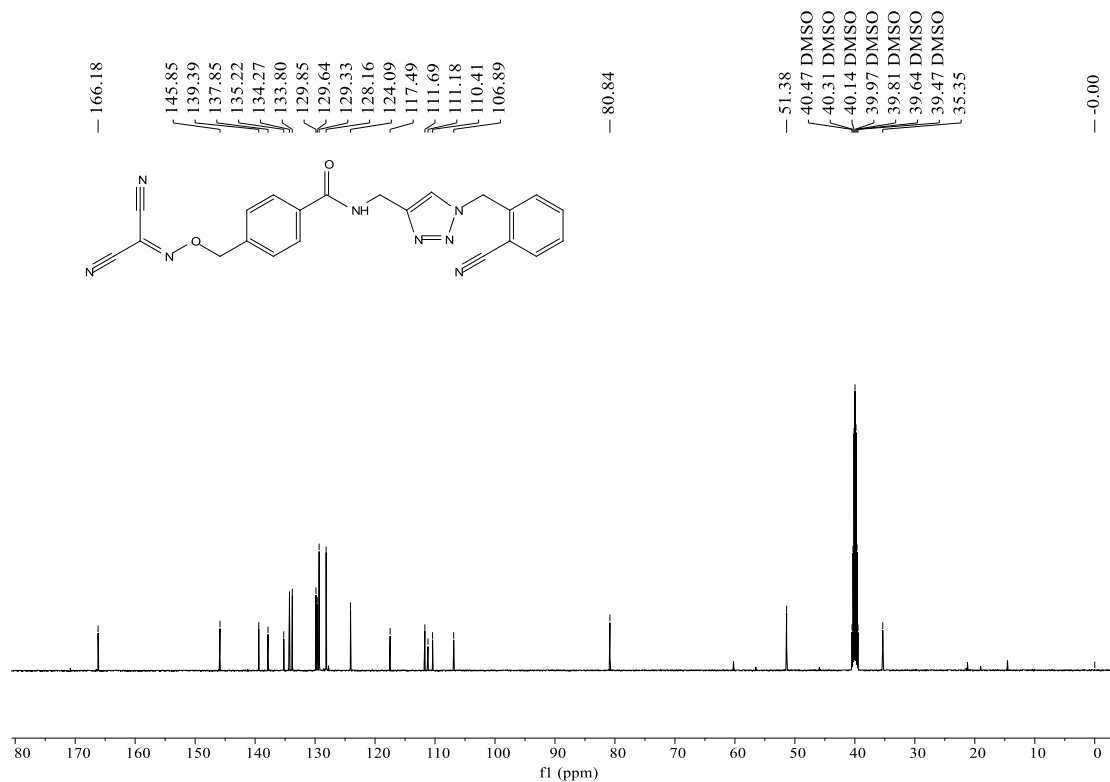
¹H NMR for compound E13



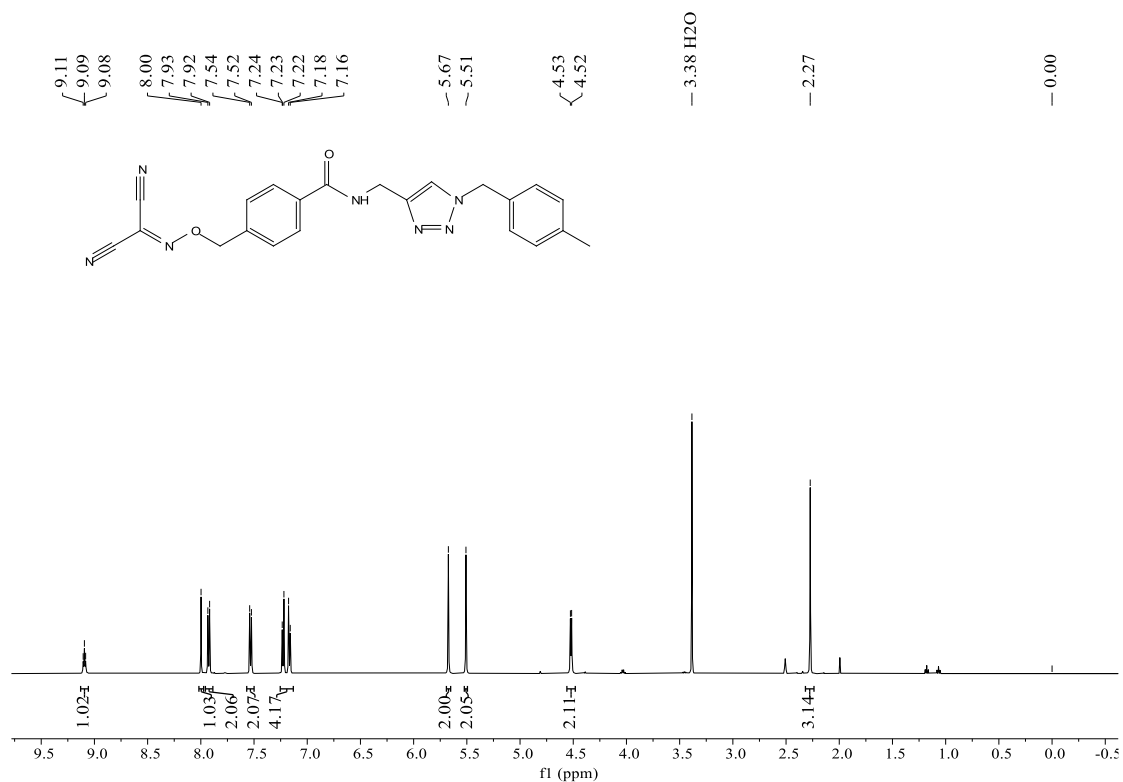
¹³C NMR for compound E13



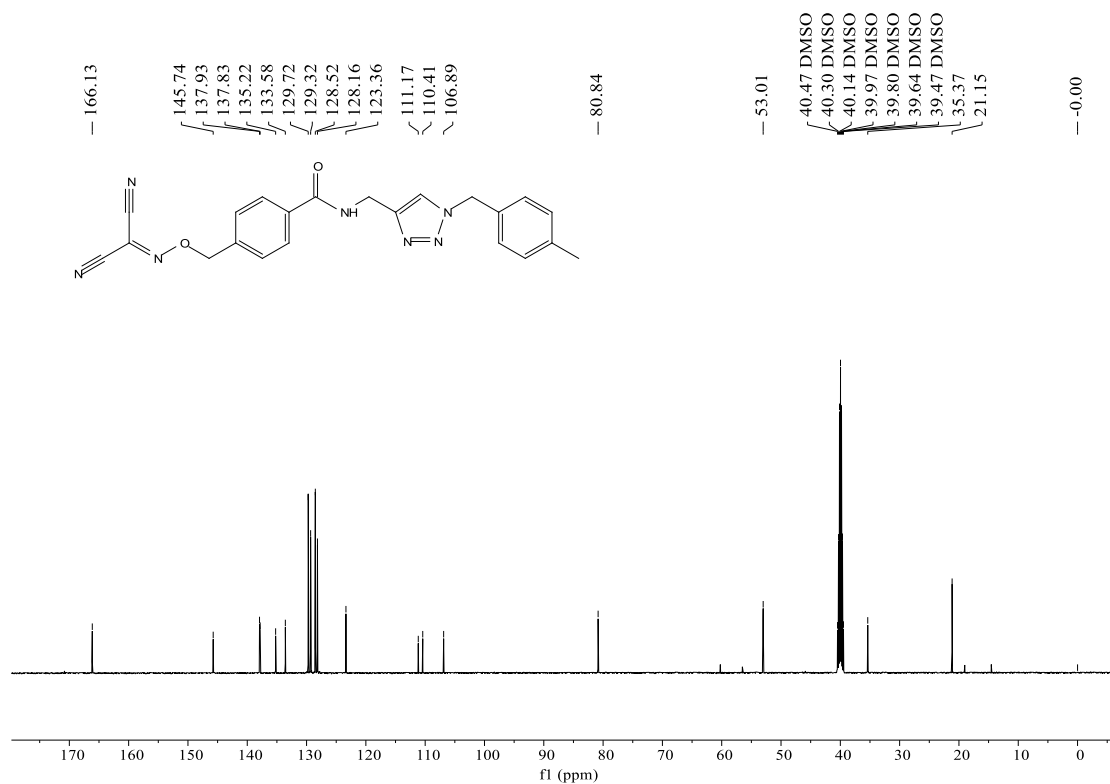
¹H NMR for compound E14



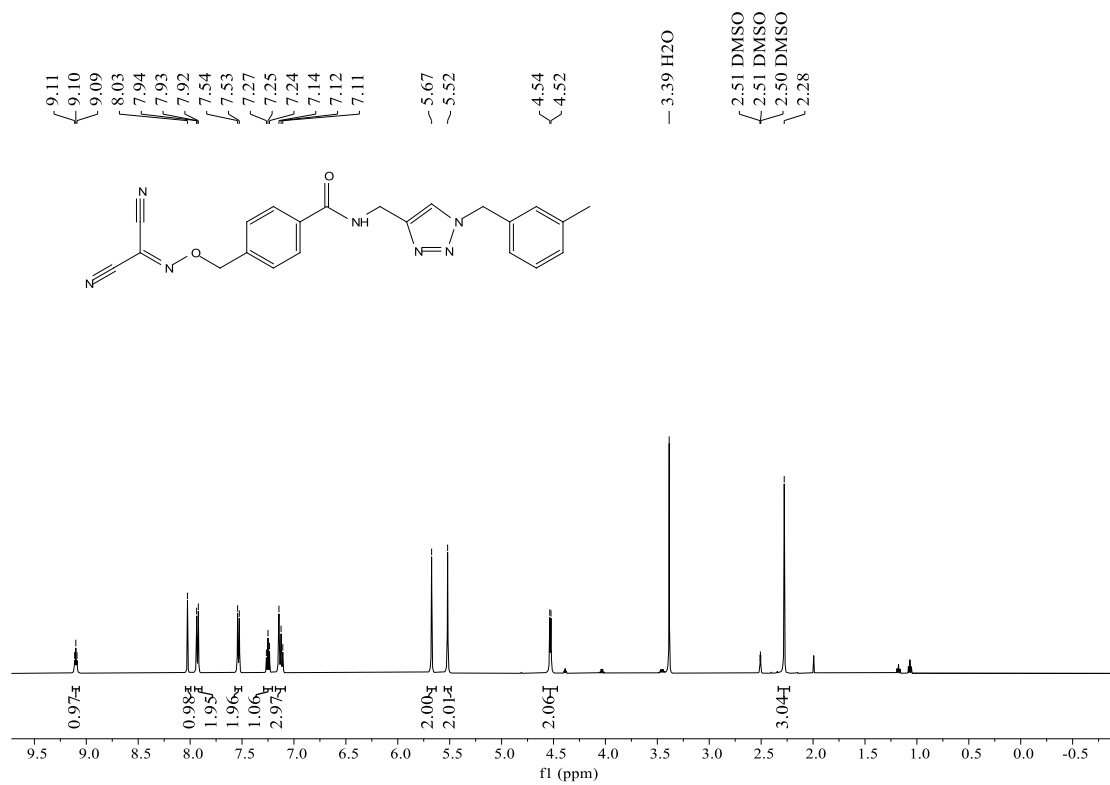
¹³C NMR for compound E14



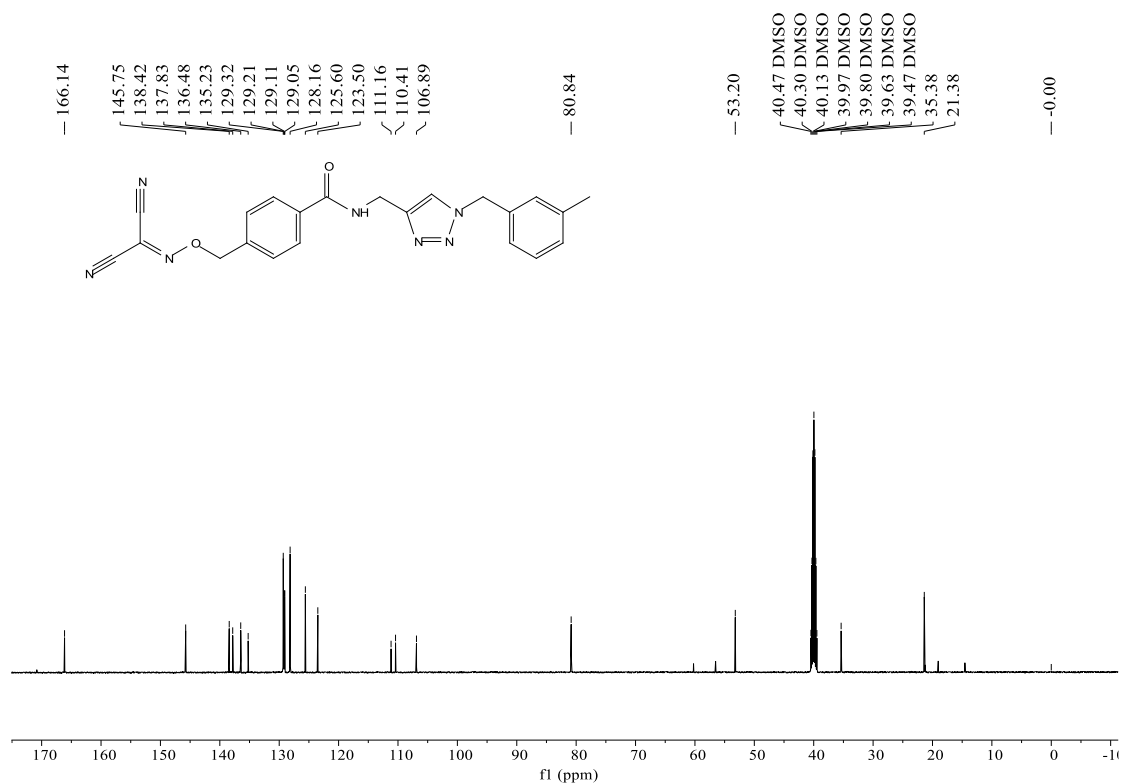
¹H NMR for compound E15



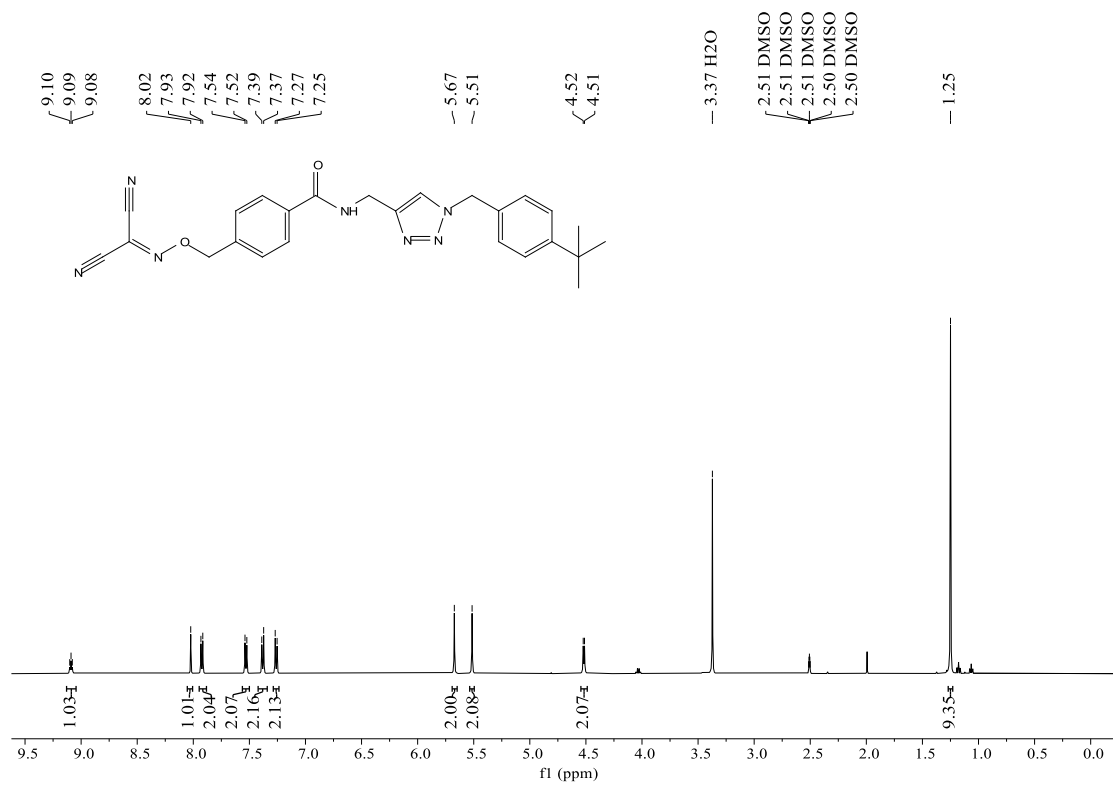
¹³C NMR for compound E15



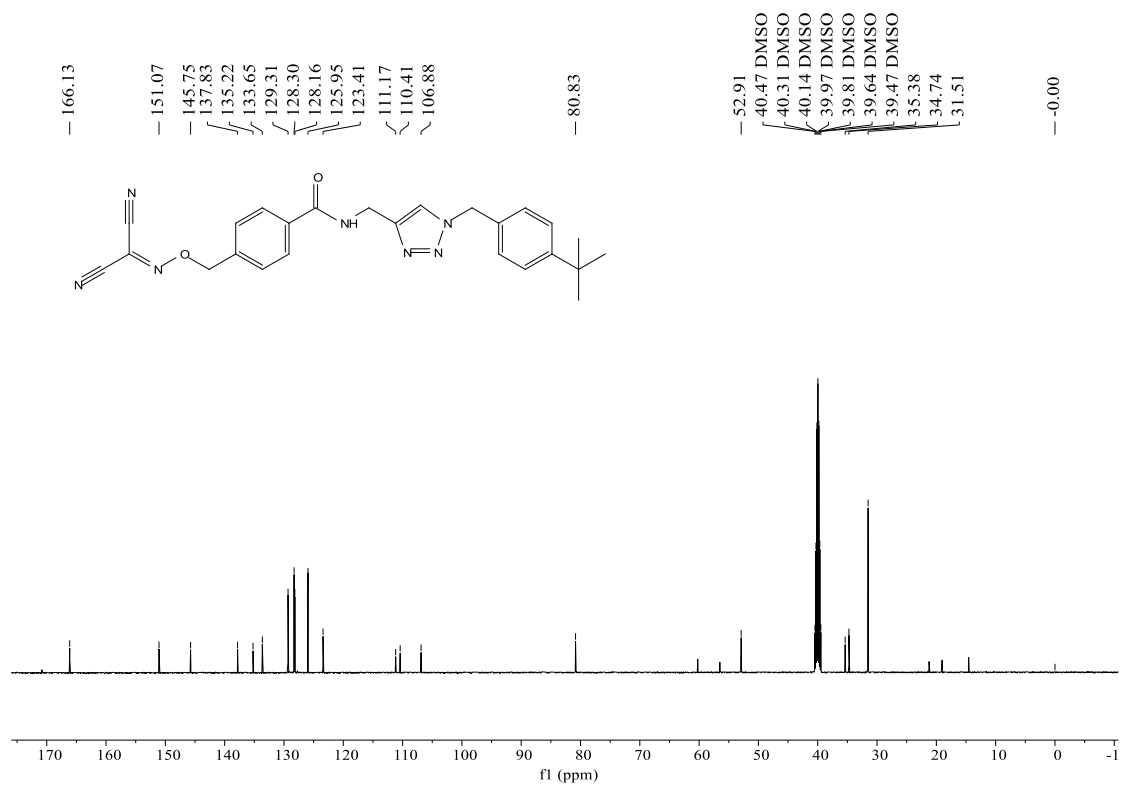
¹H NMR for compound E16



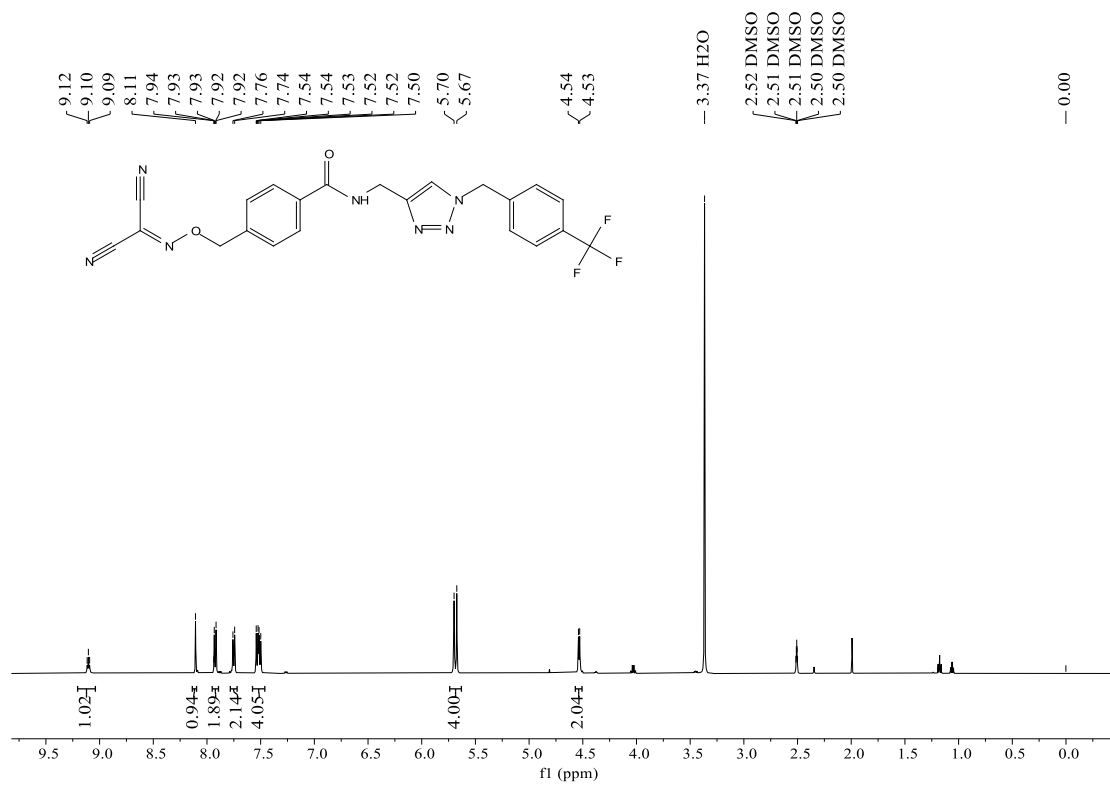
¹³C NMR for compound E16



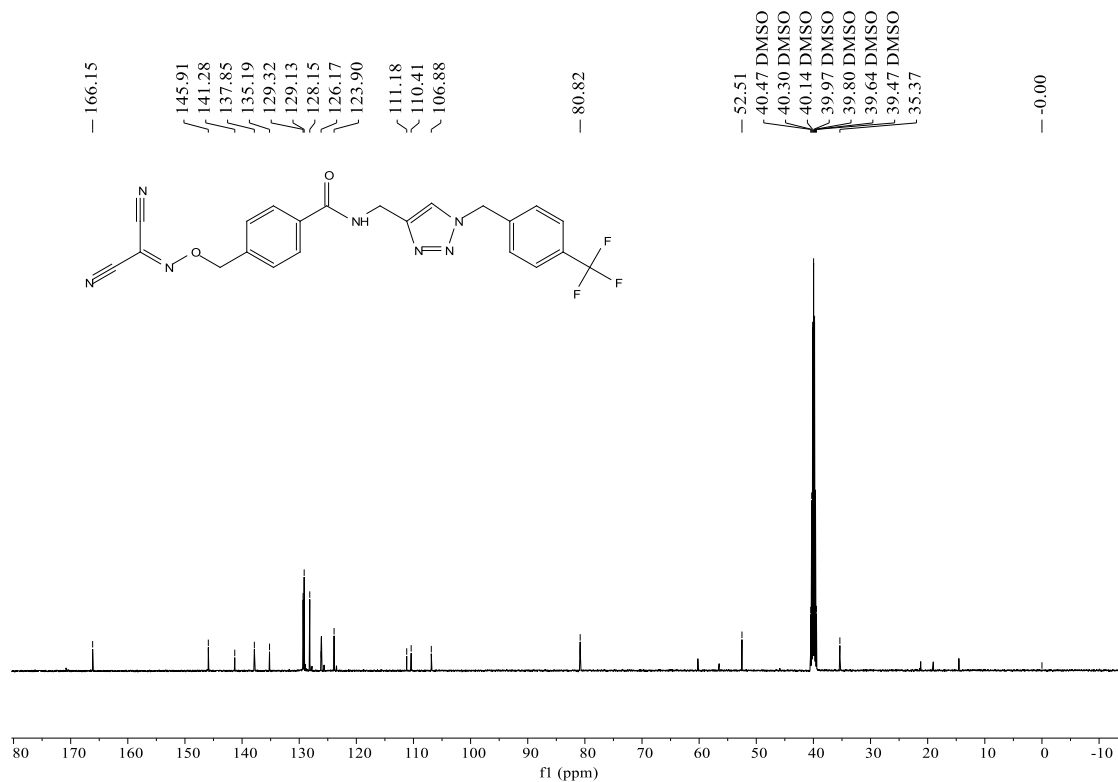
¹H NMR for compound E17



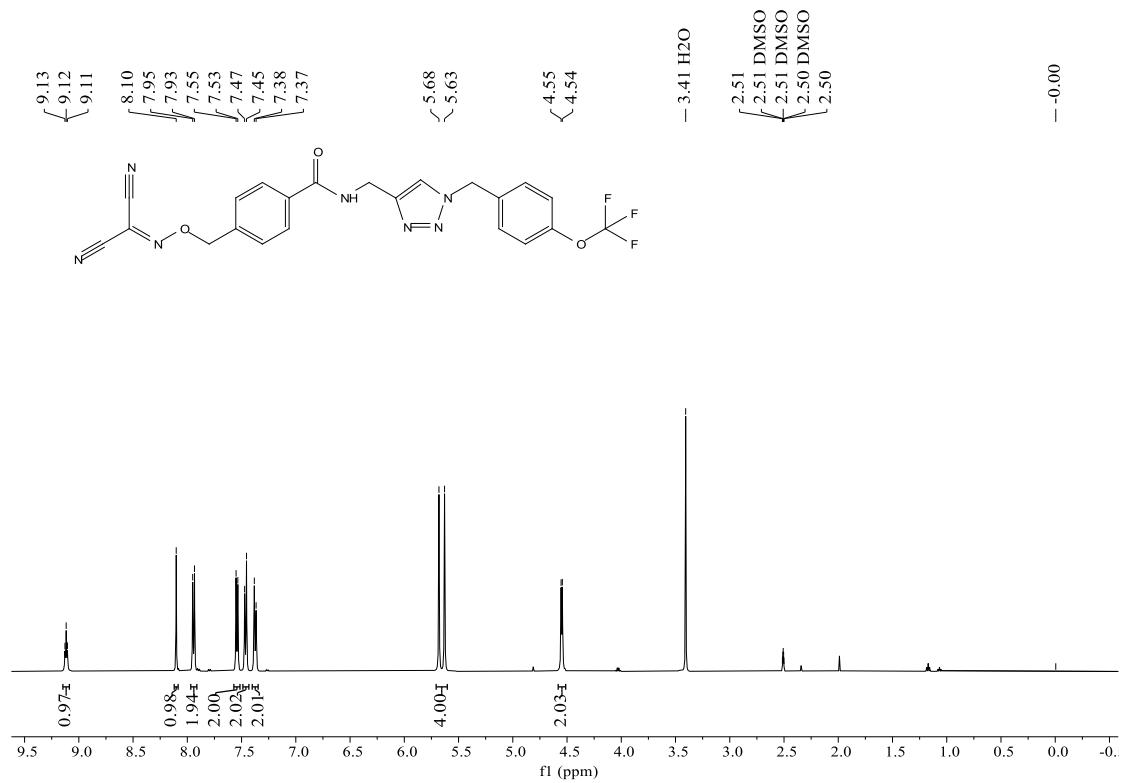
¹³C NMR for compound E17



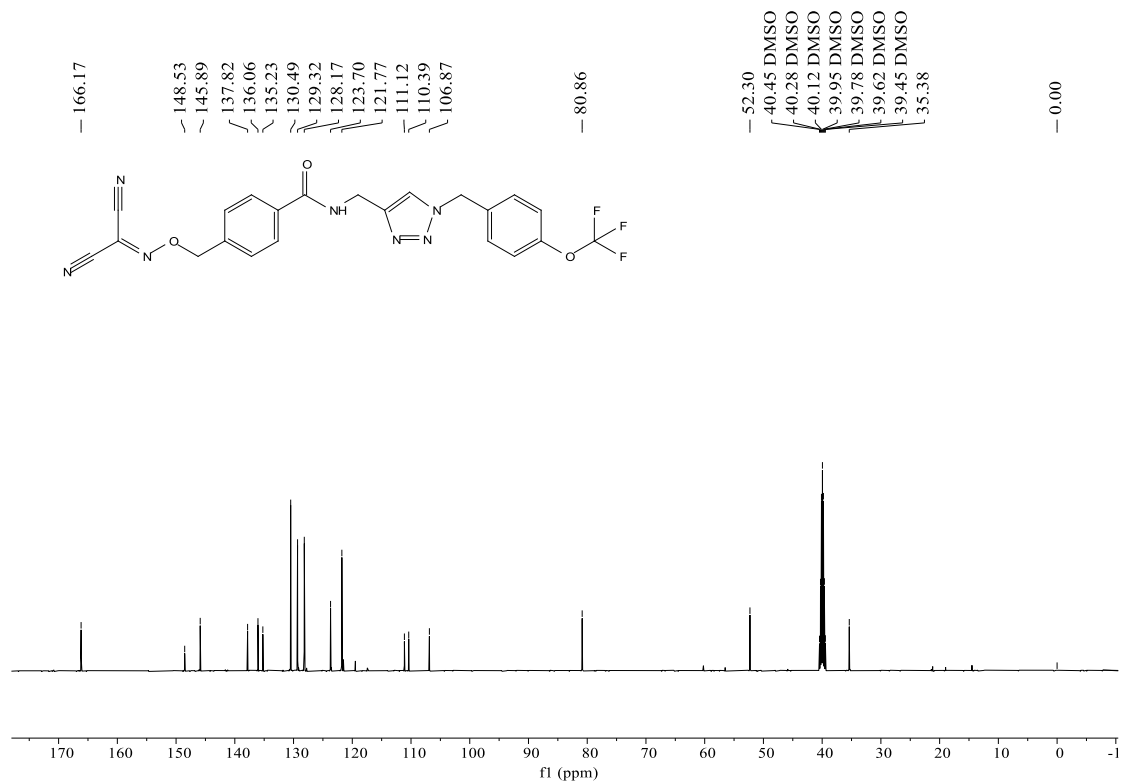
¹H NMR for compound E18



¹³C NMR for compound E18



¹H NMR for compound E19



¹³C NMR for compound E19