

Supplementary Information

Synthesis, antimicrobial and cytotoxicity studies of novel undecenoic acid-based triazolothiadiazole derivatives

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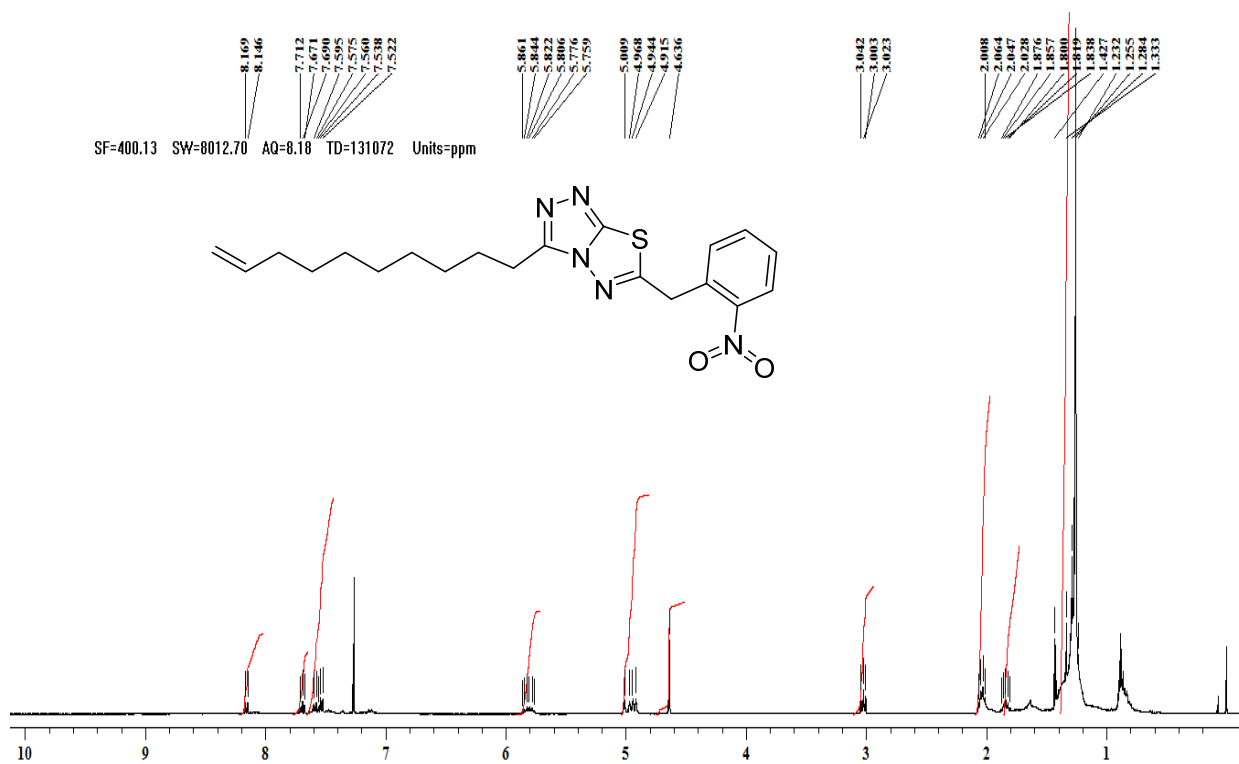
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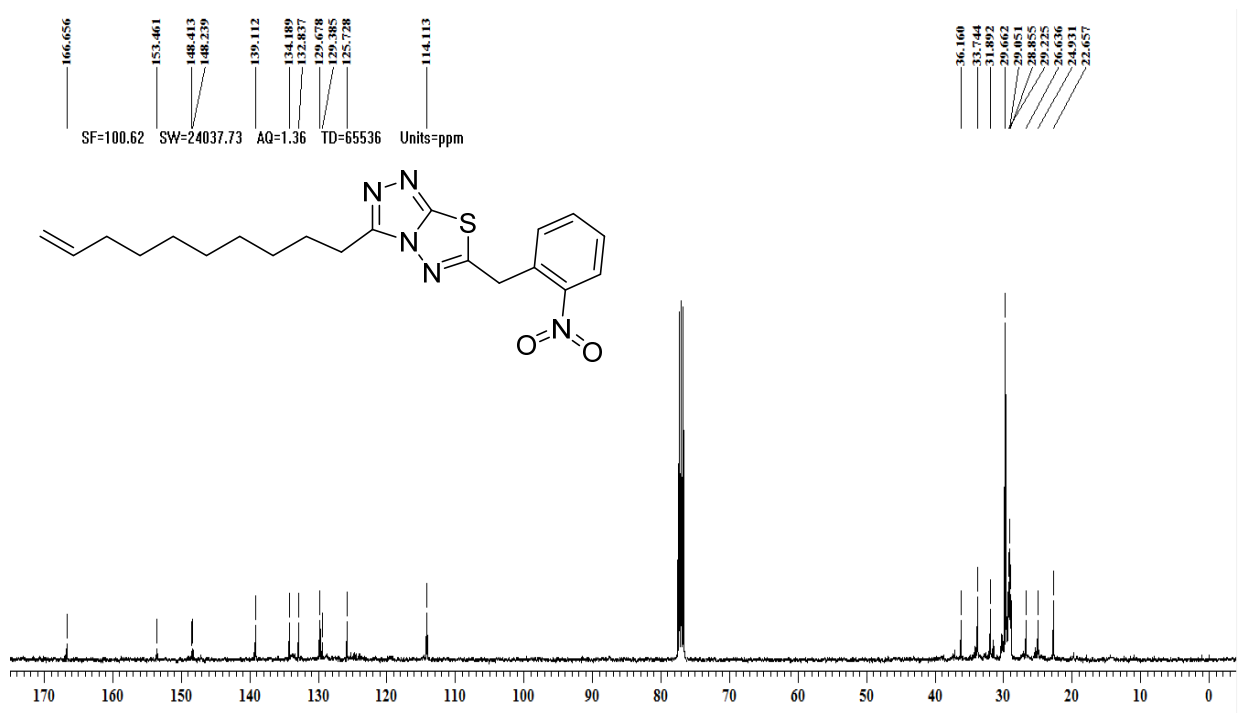
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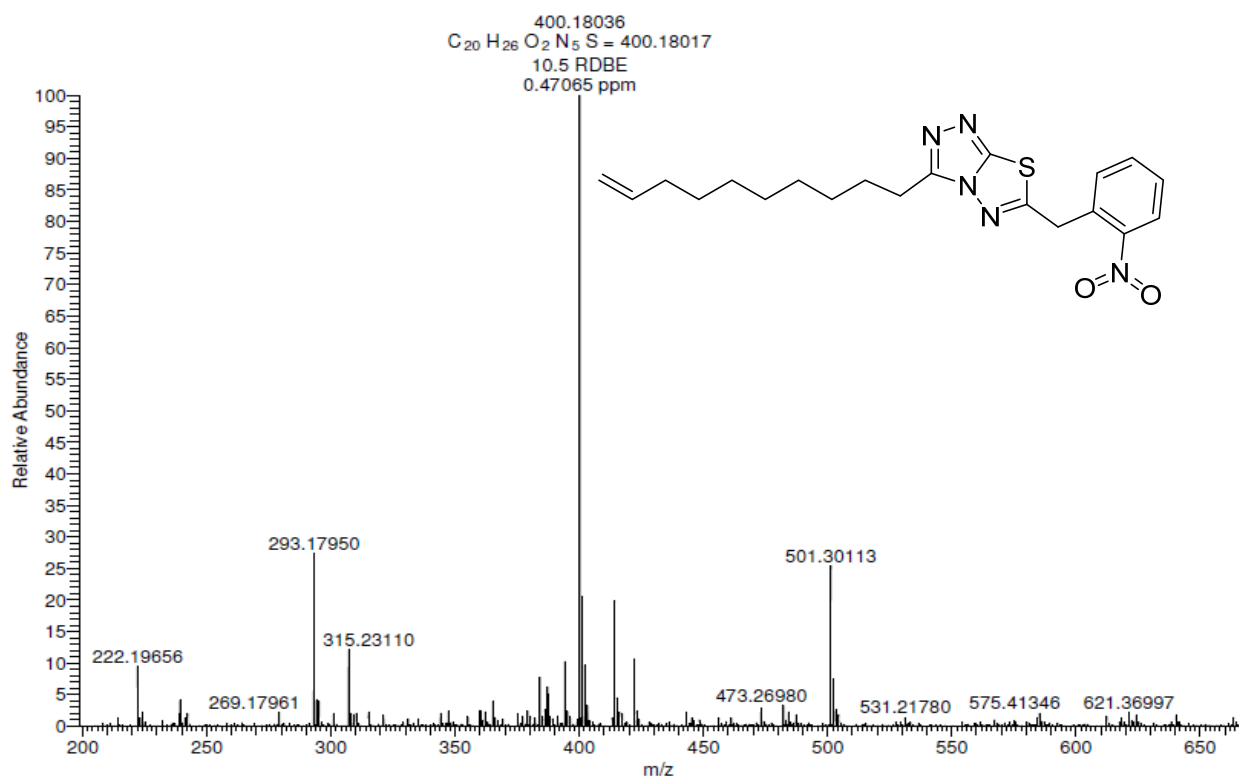
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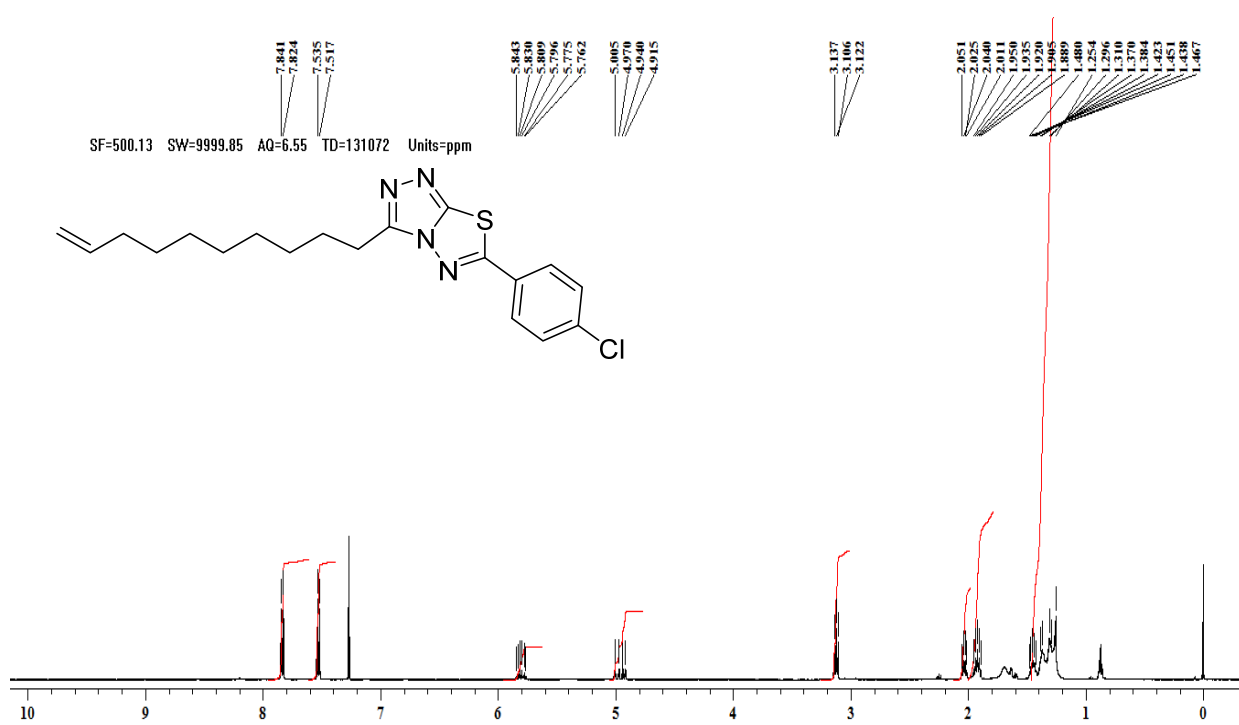
¹H NMR Spectrum of 3-(Dec-9-en-1-yl)-6-(2-Nitrobenzyl)-[1,2,4]Triazolo[3,4-b][1,3,4]Thiadiazole (6a)



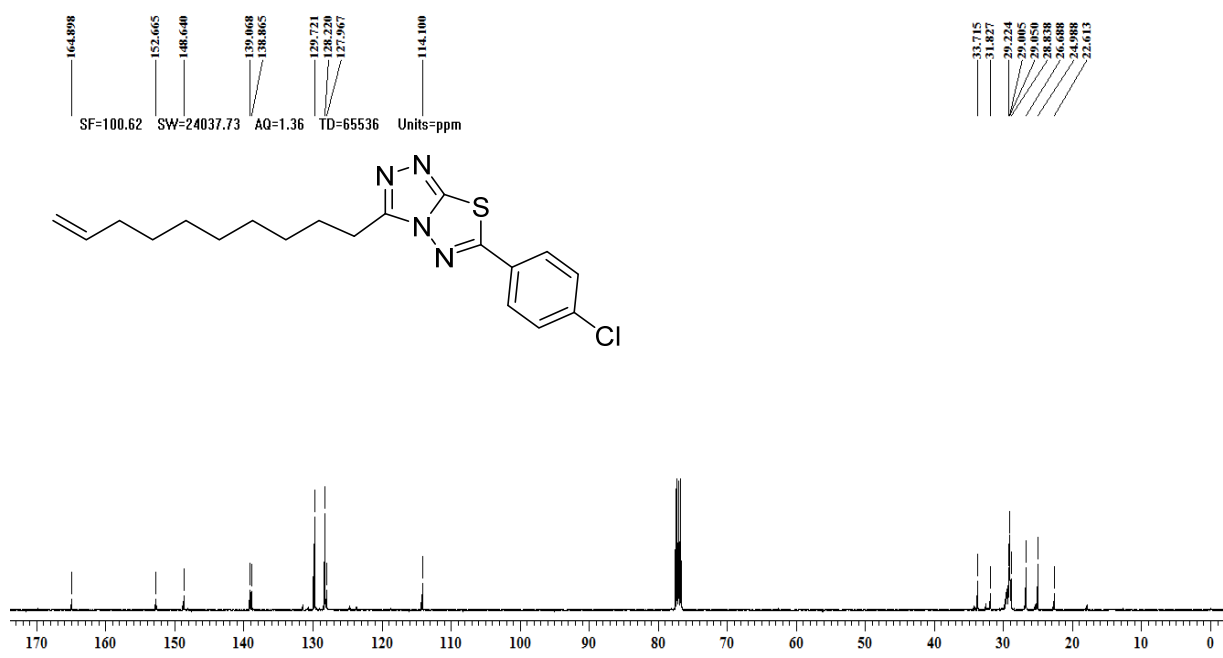
¹³C NMR Spectrum of 3-(Dec-9-en-1-yl)-6-(2-Nitrobenzyl)-[1,2,4]Triazolo[3,4-b][1,3,4]Thiadiazole (6a)



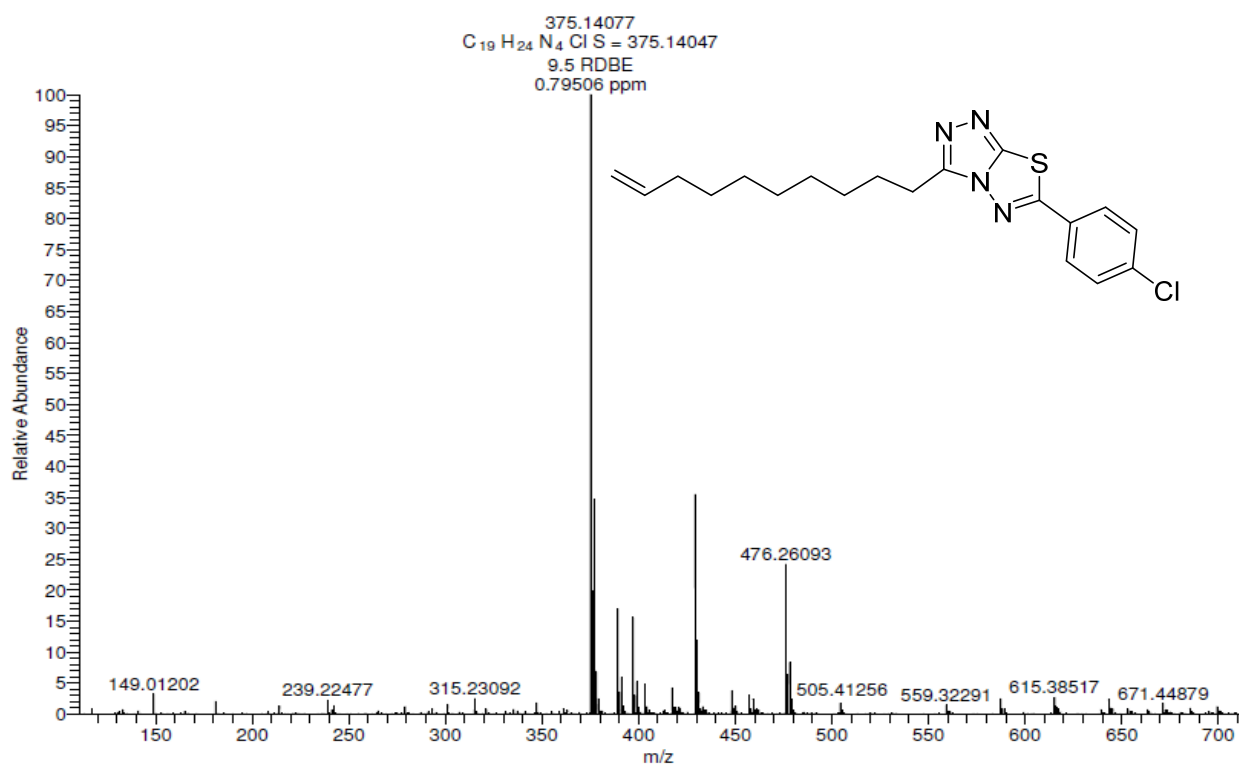
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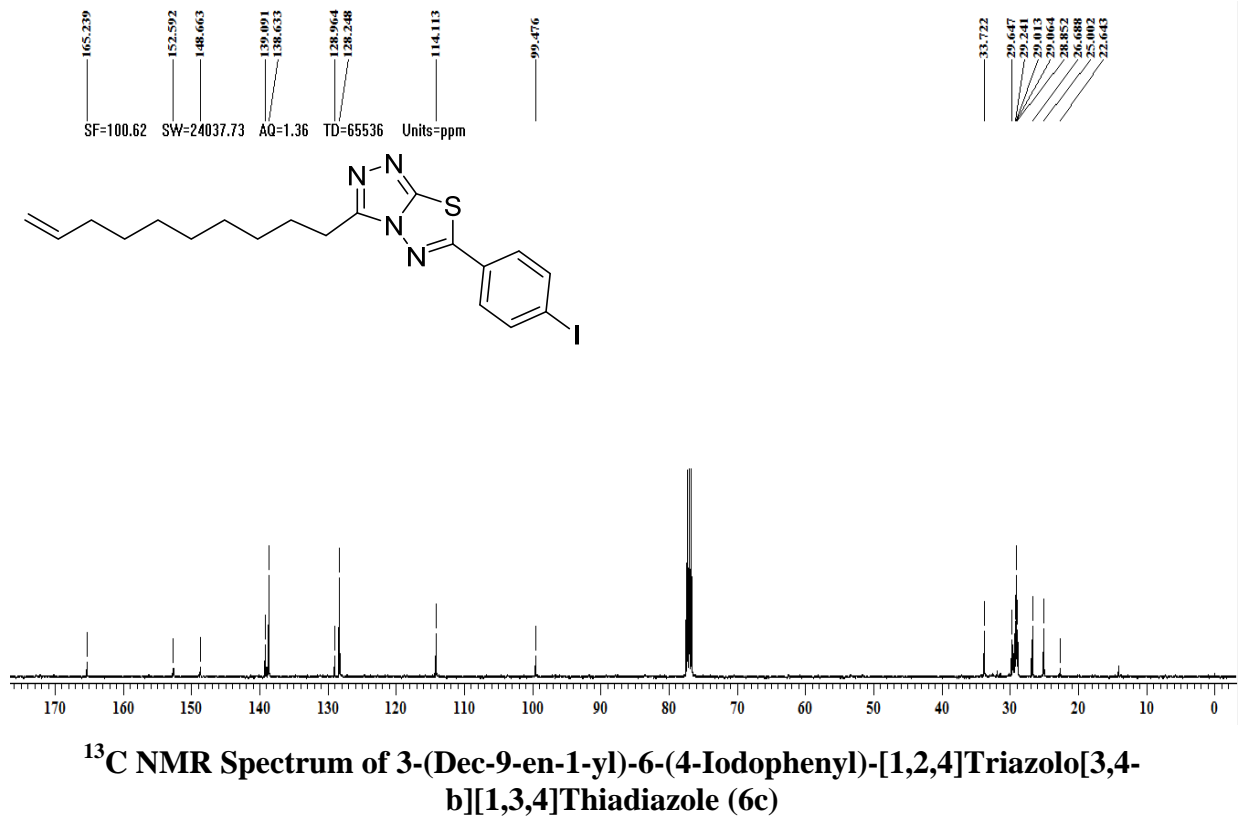
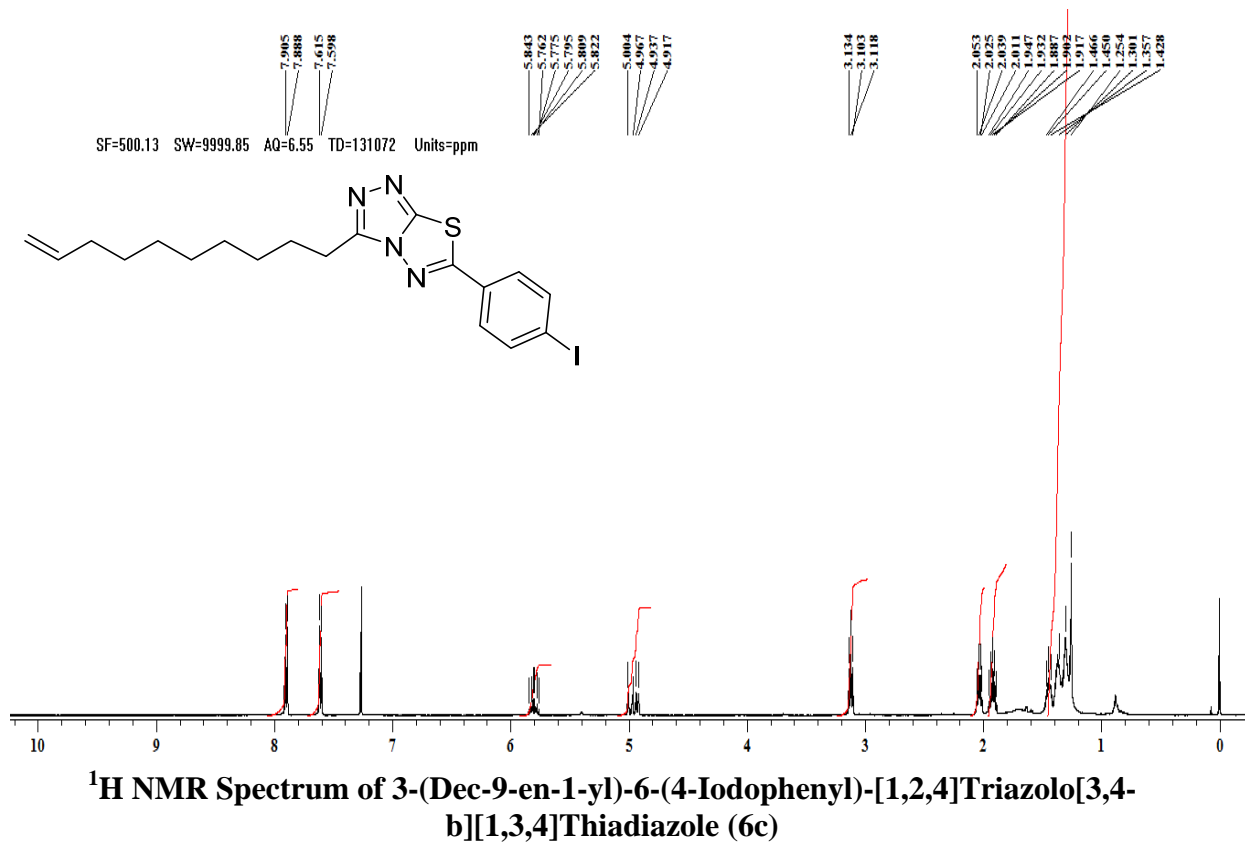
1H NMR Spectrum of 6-(4-Chlorophenyl)-3-(Dec-9-en-1-yl)-[1,2,4]Triazolo[3,4-b][1,3,4]Thiadiazole (6b)

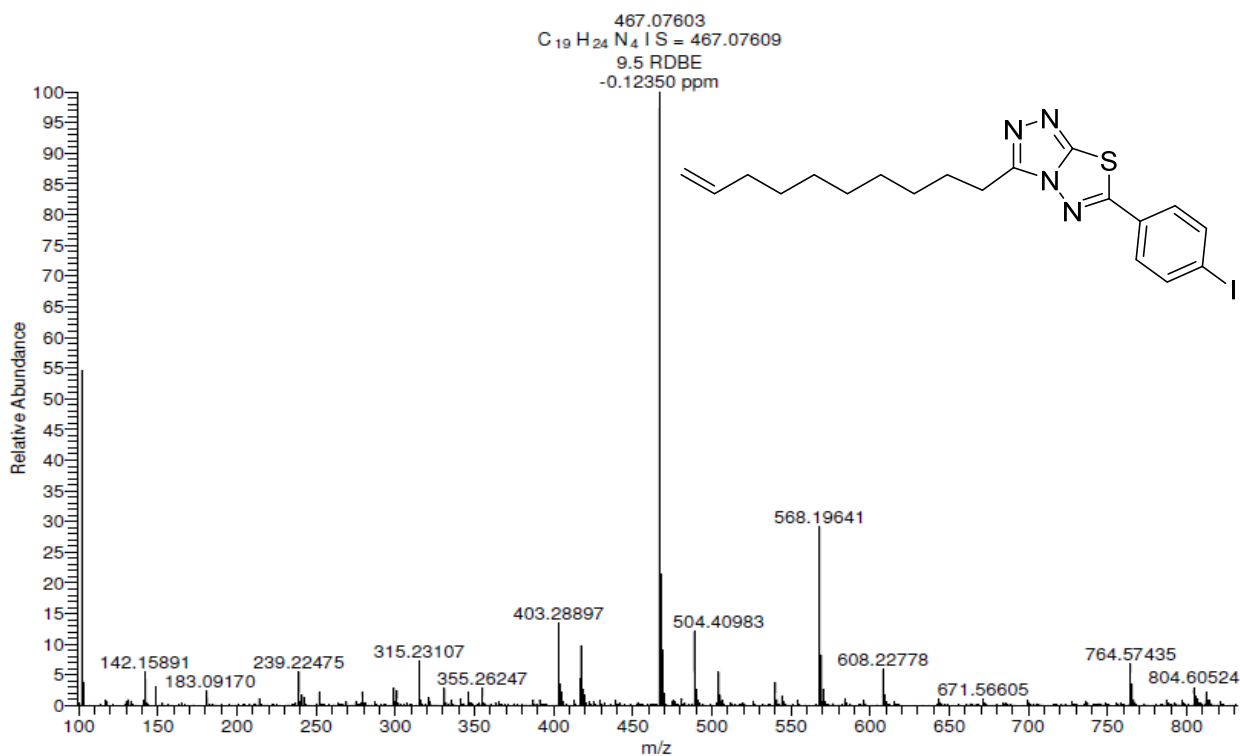


¹³C NMR Spectrum of 6-(4-Chlorophenyl)-3-(Dec-9-en-1-yl)-[1,2,4]Triazolo[3,4-b][1,3,4]Thiadiazole (6b)

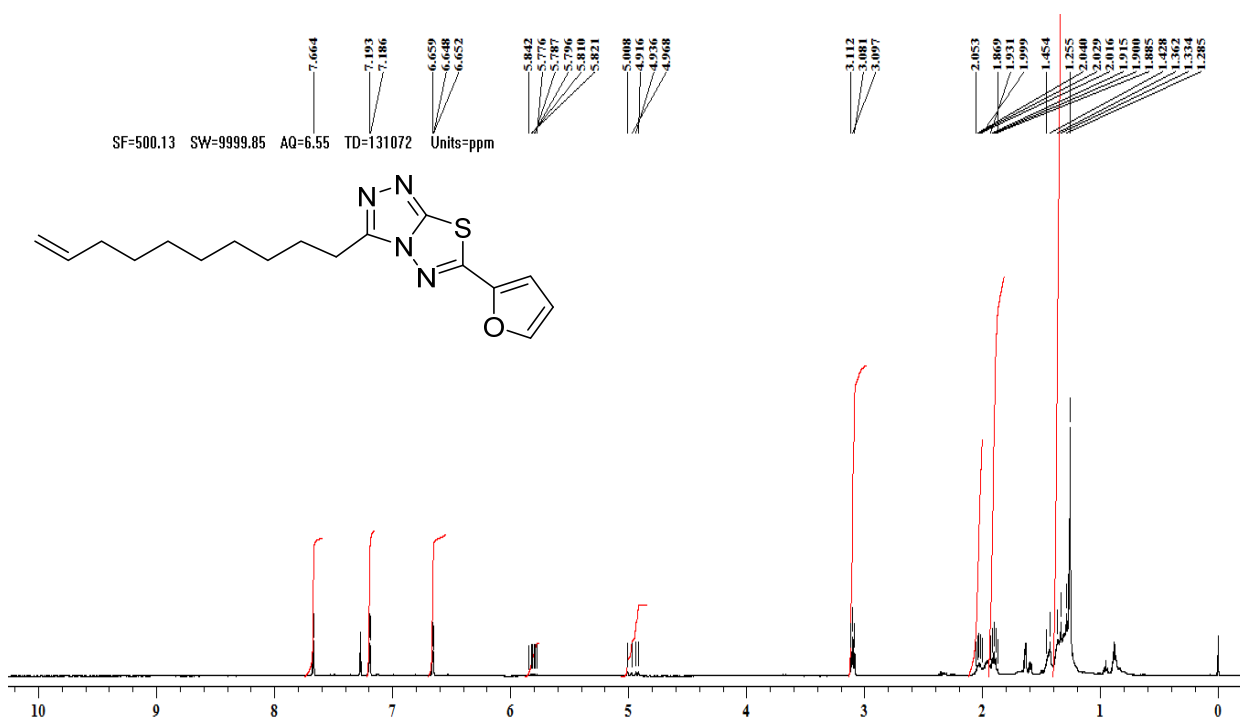


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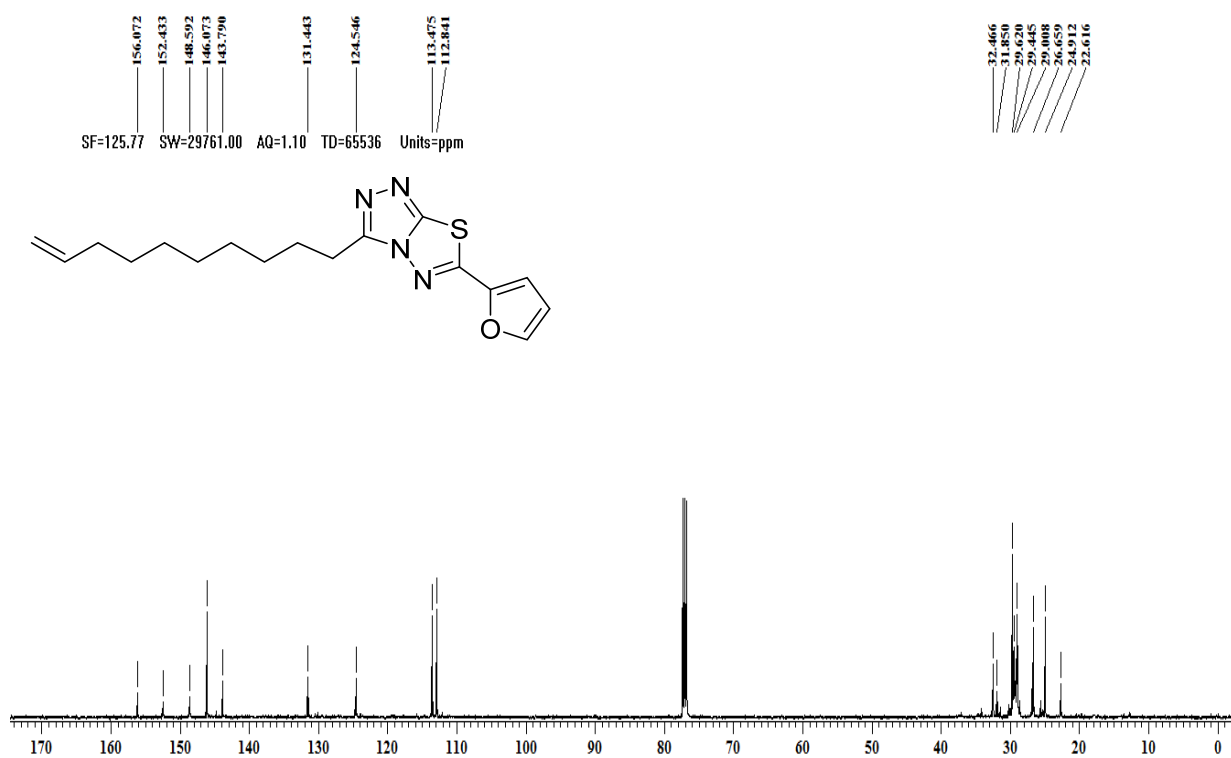




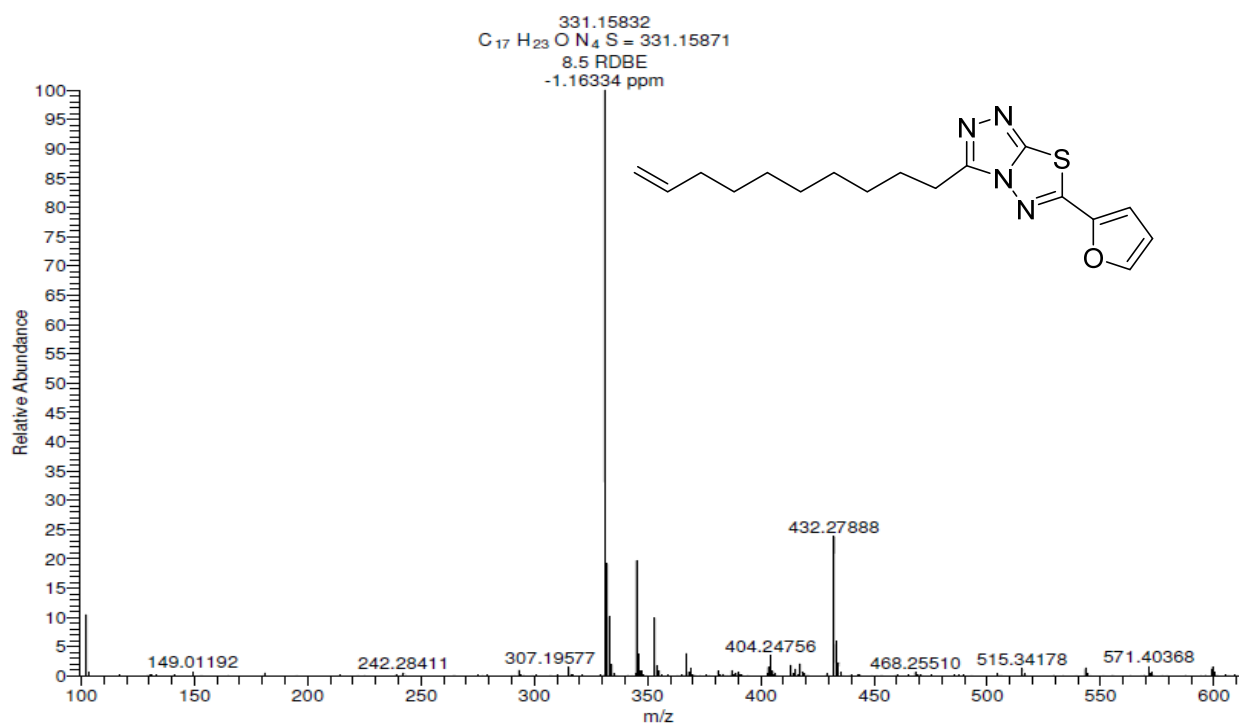
HRMS of 3-(Dec-9-en-1-yl)-6-(4-Iodophenyl)-[1,2,4]Triazolo[3,4-b][1,3,4]Thiadiazole (6c)



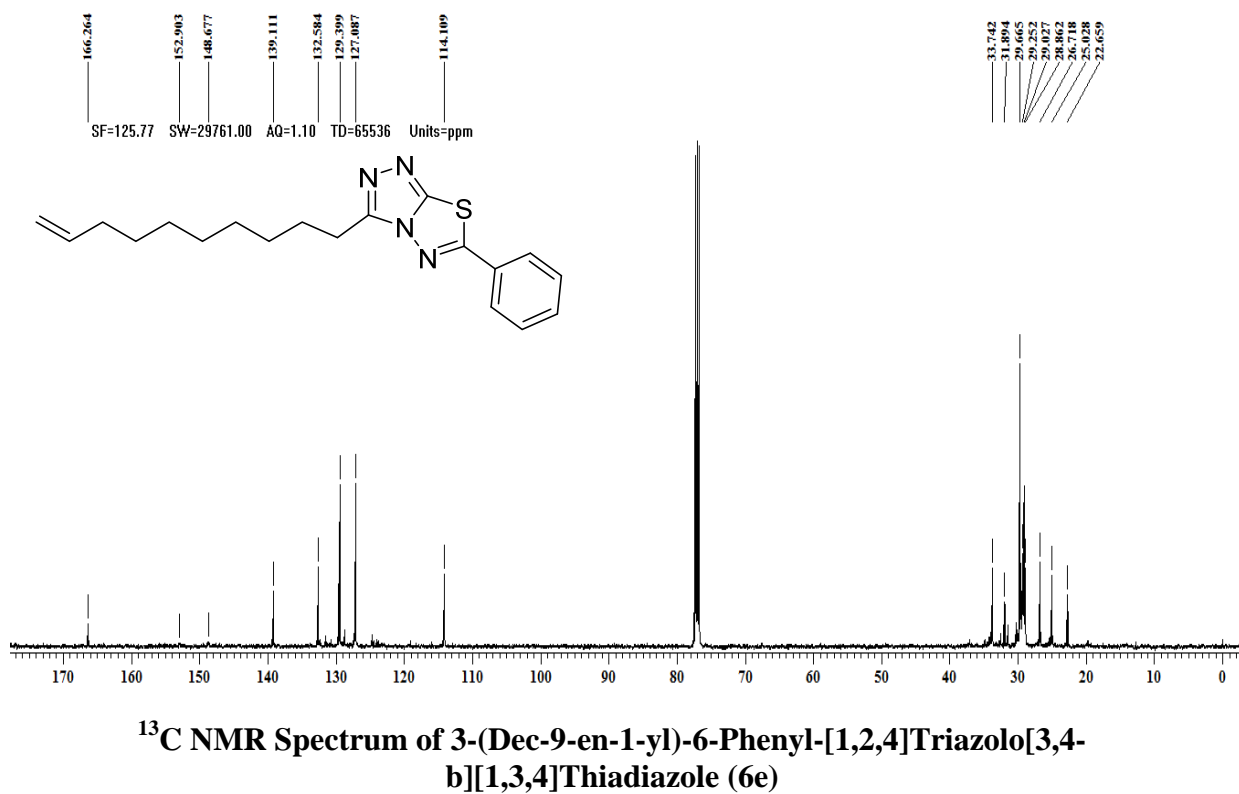
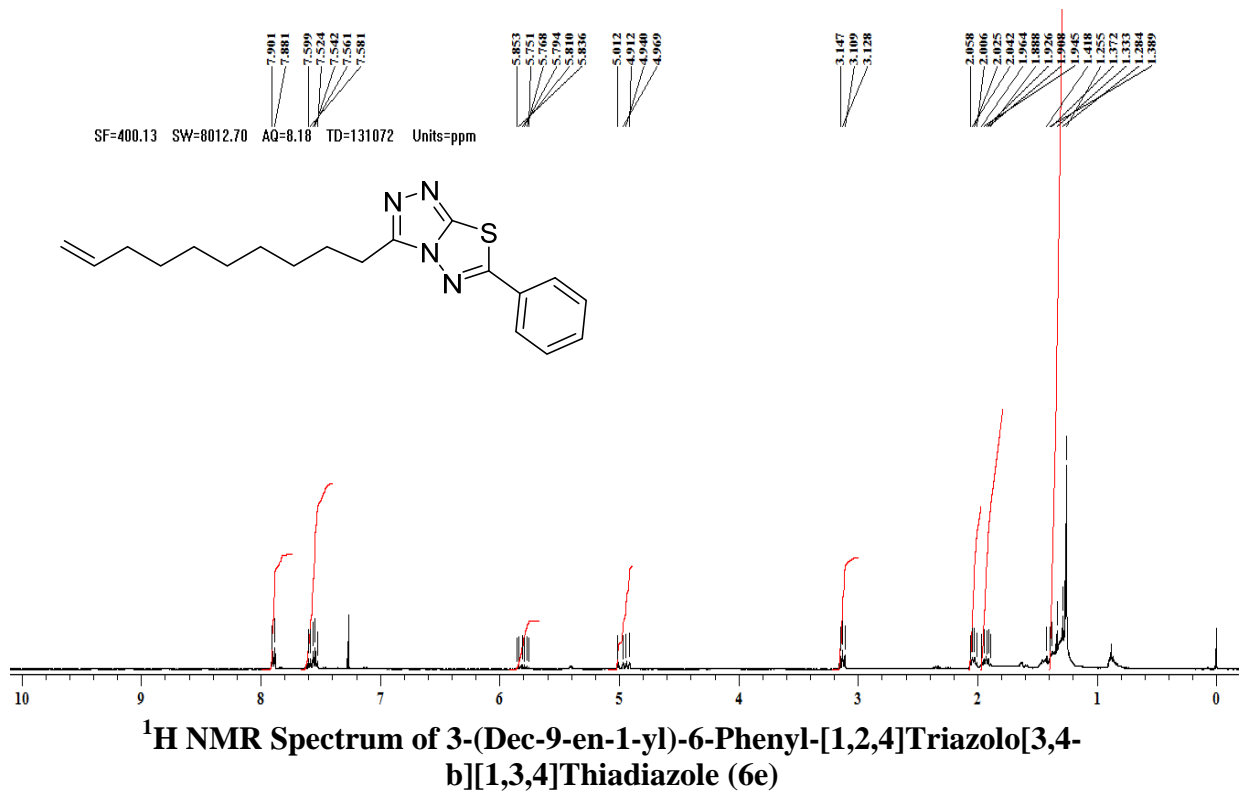
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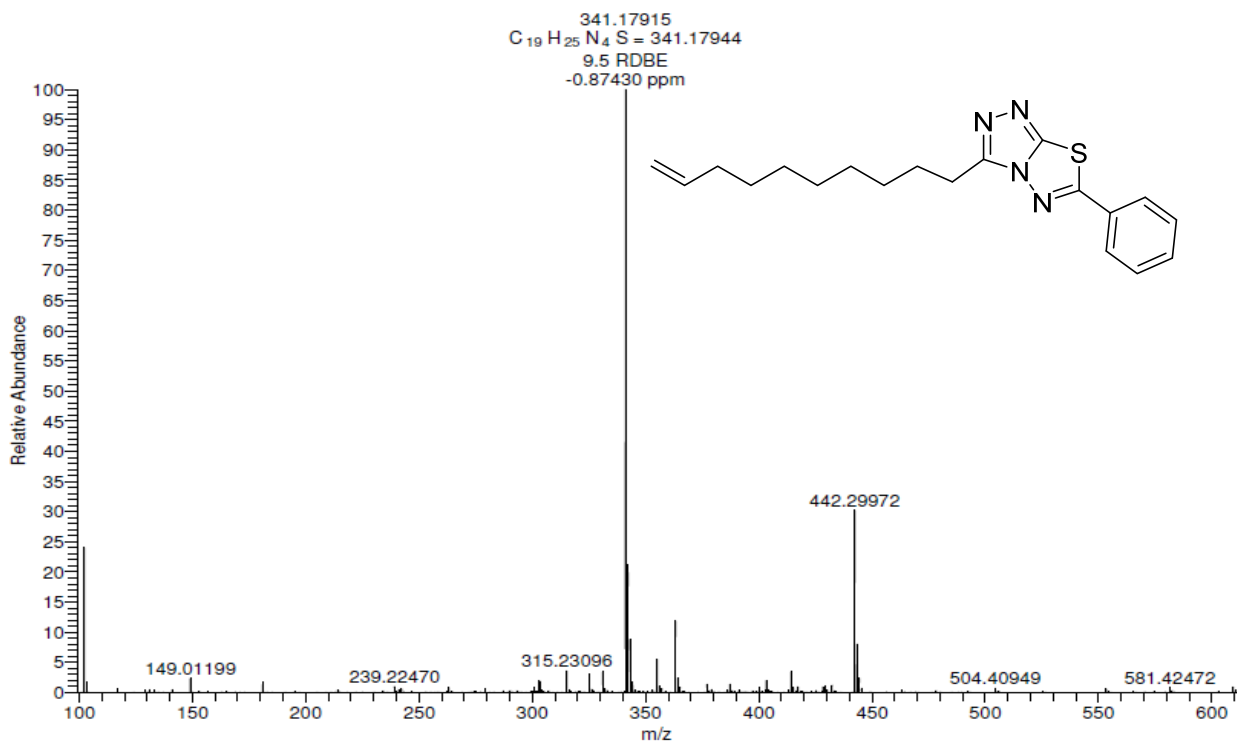


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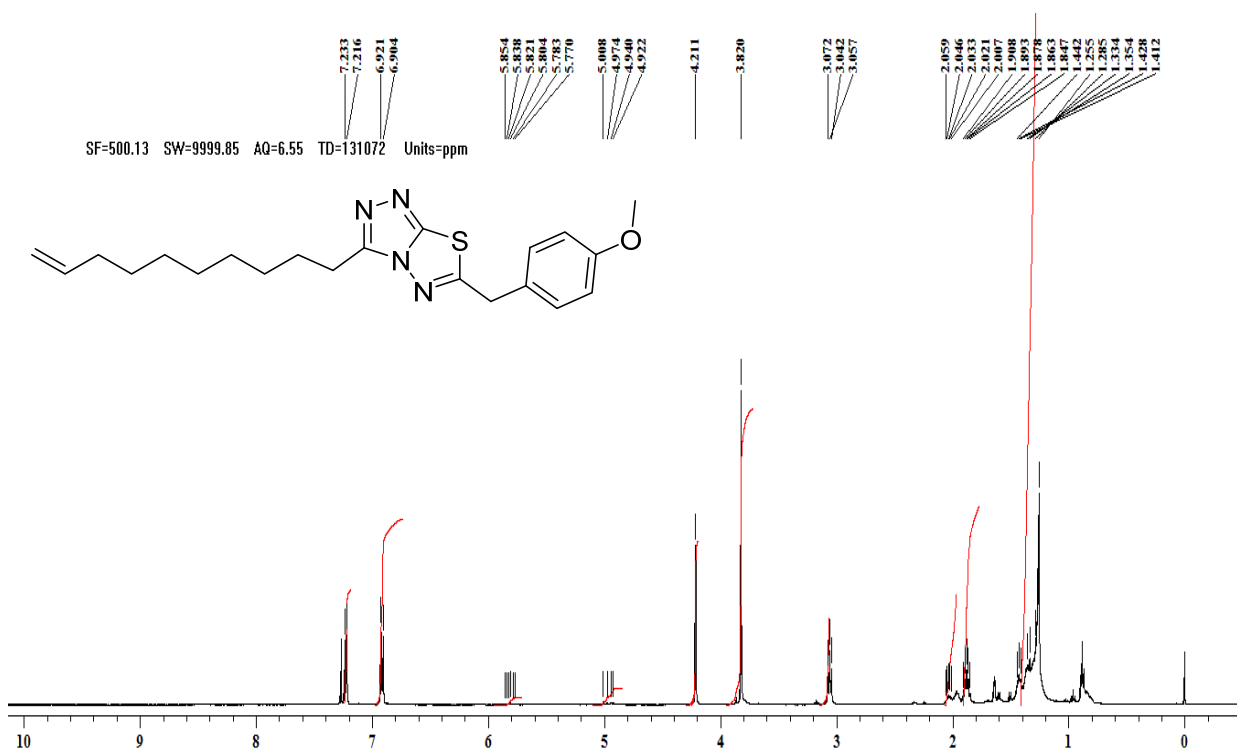


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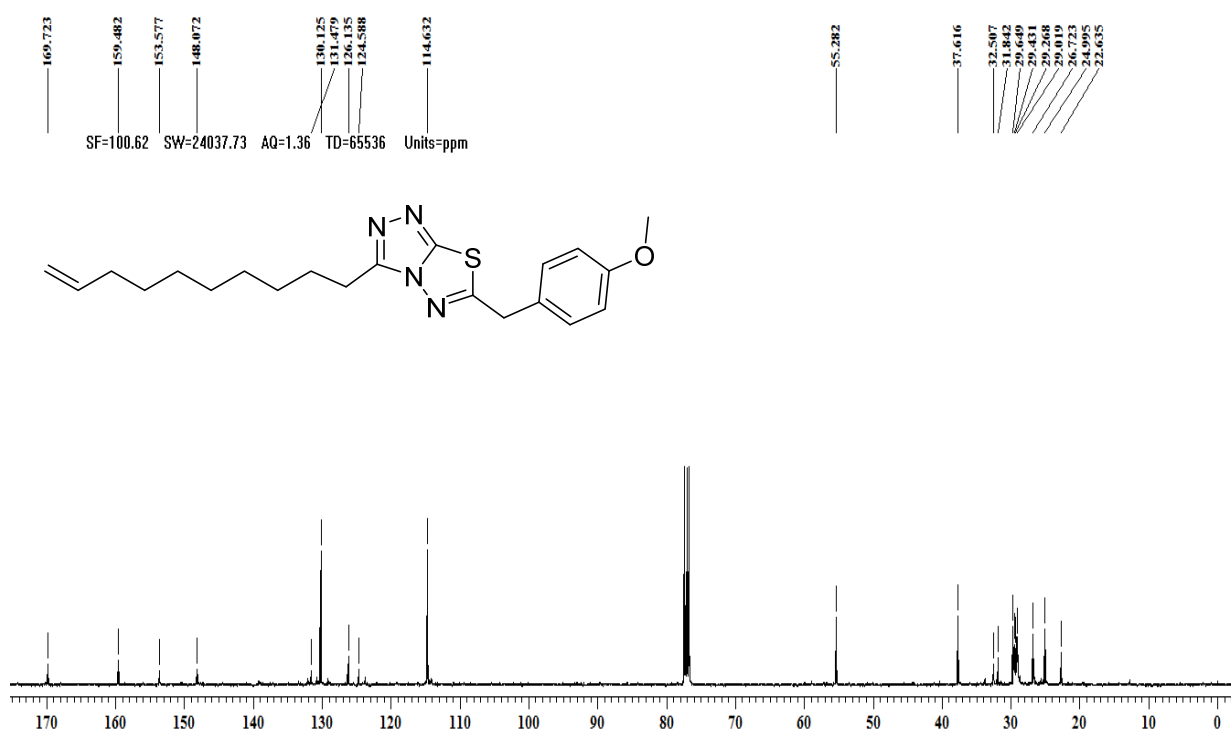




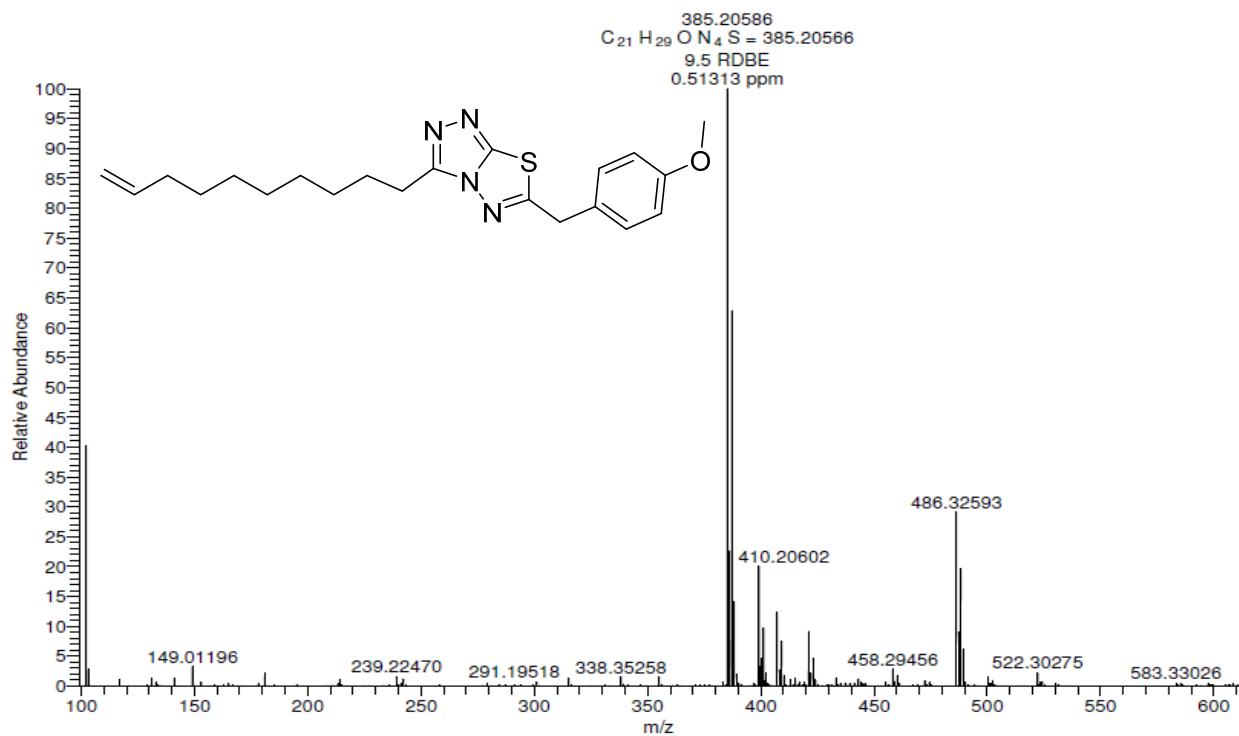
HRMS of 3-(Dec-9-en-1-yl)-6-Phenyl-[1,2,4]Triazolo[3,4-b][1,3,4]Thiadiazole (6e)



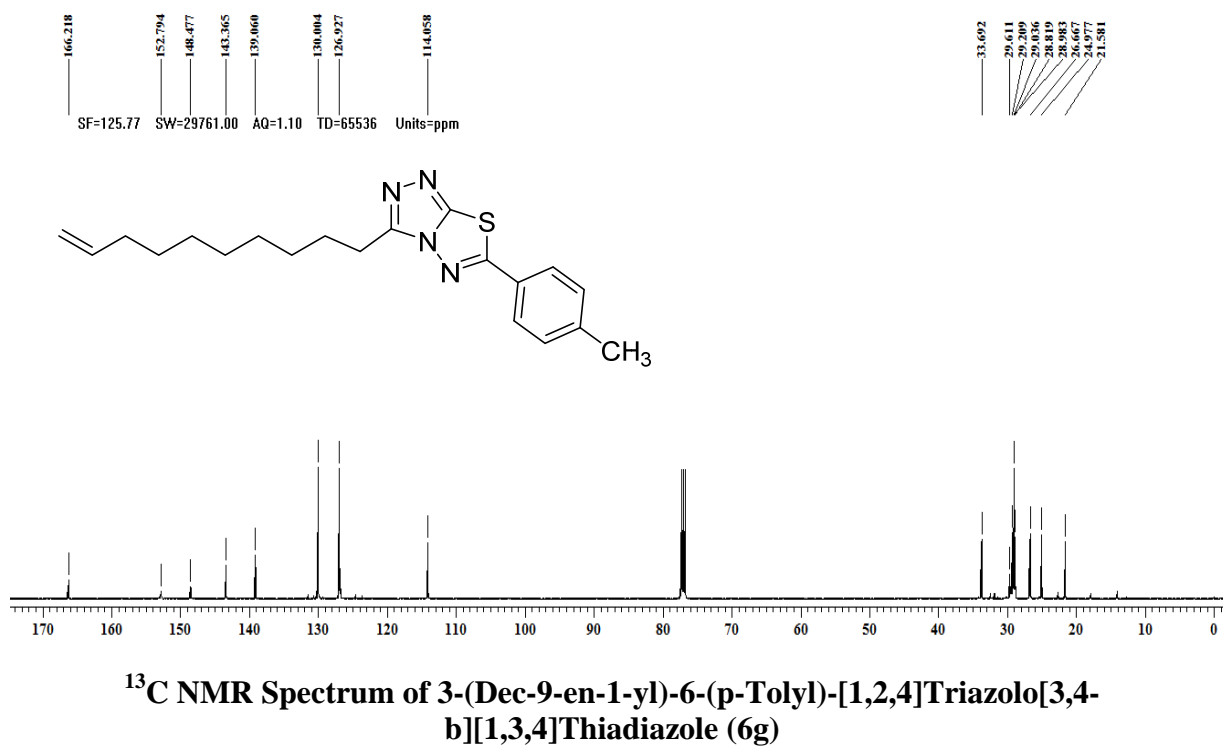
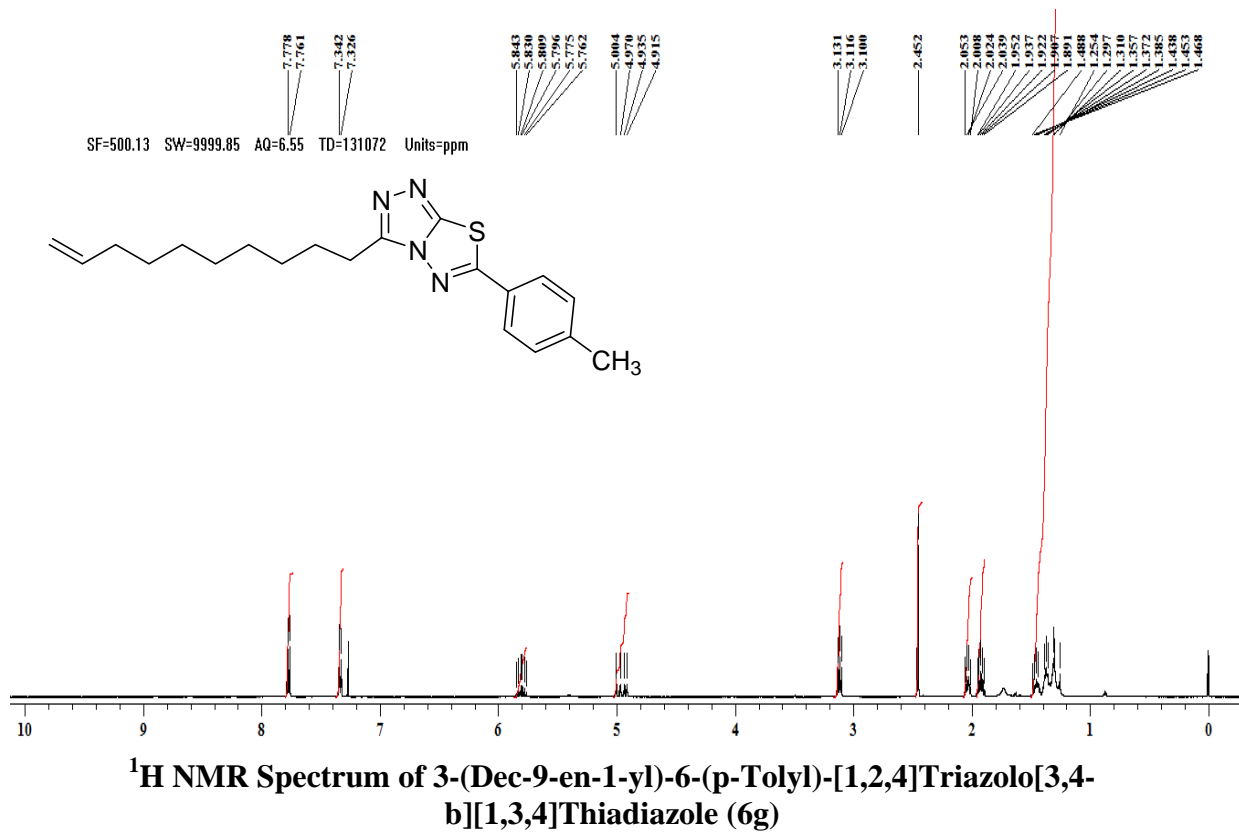
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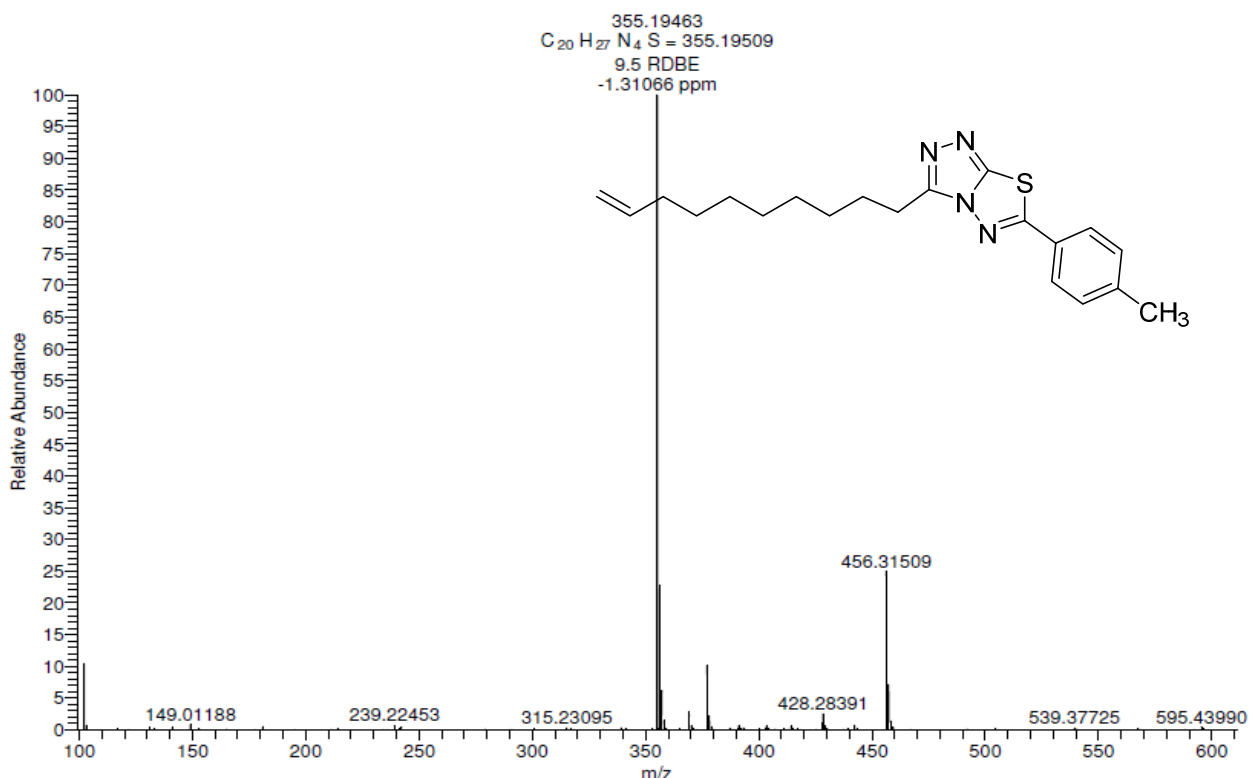


¹³C NMR Spectrum of 3-(Dec-9-en-1-yl)-6-(4-Methoxybenzyl)-[1,2,4]Triazolo[3,4-b][1,3,4]Thiadiazole (6f)

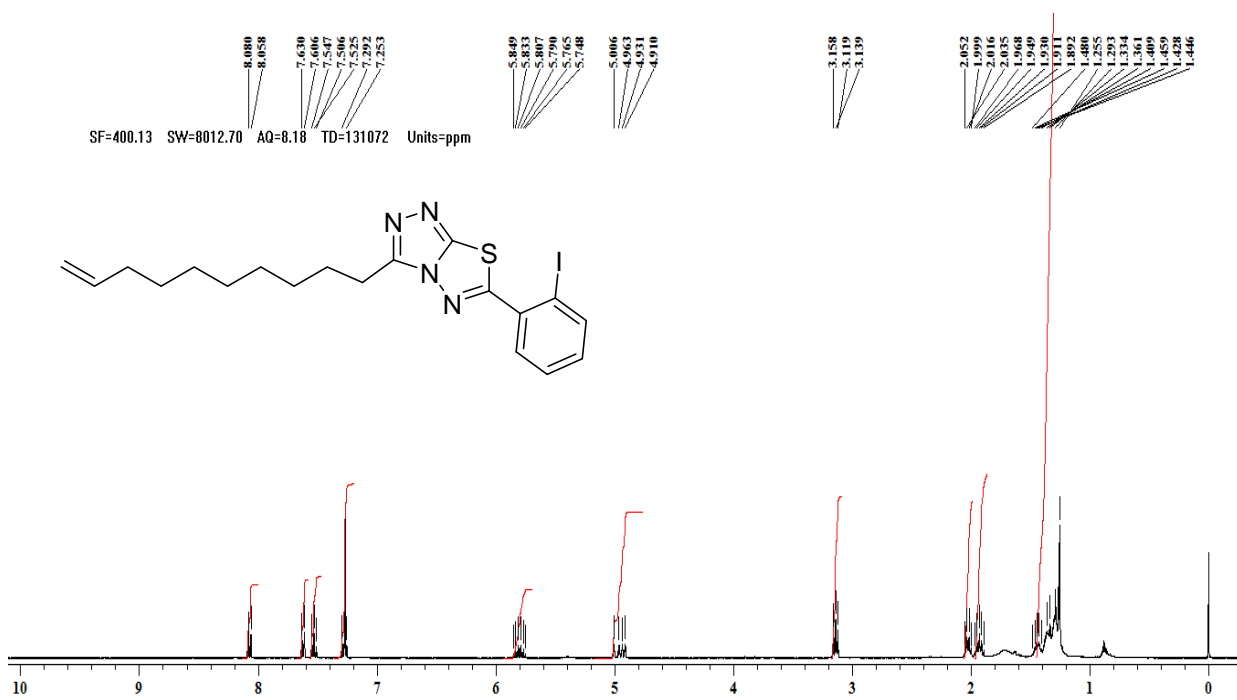


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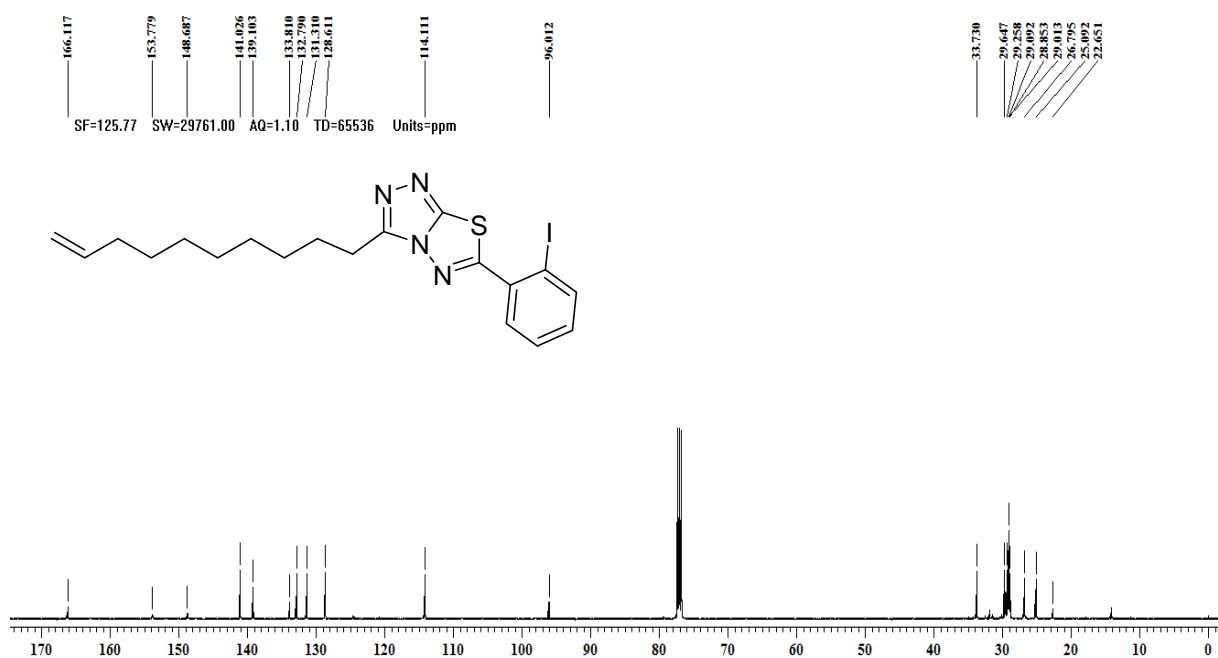




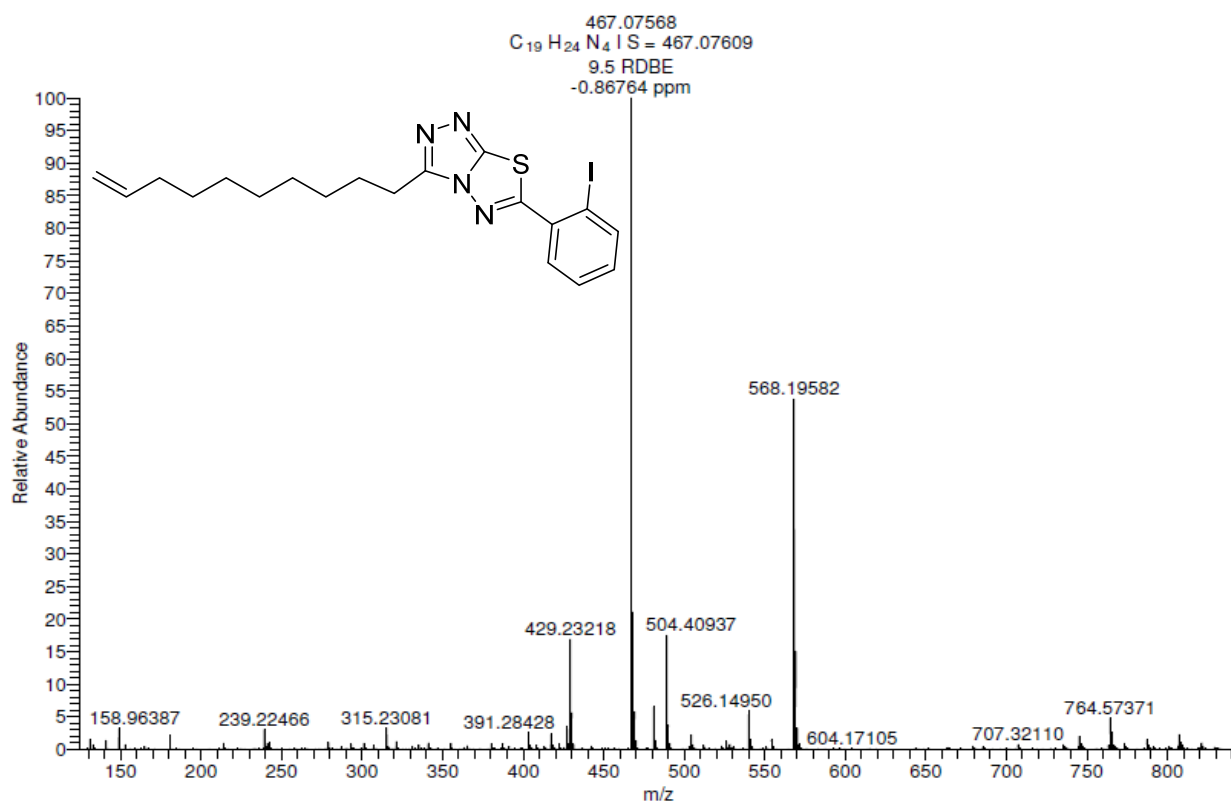
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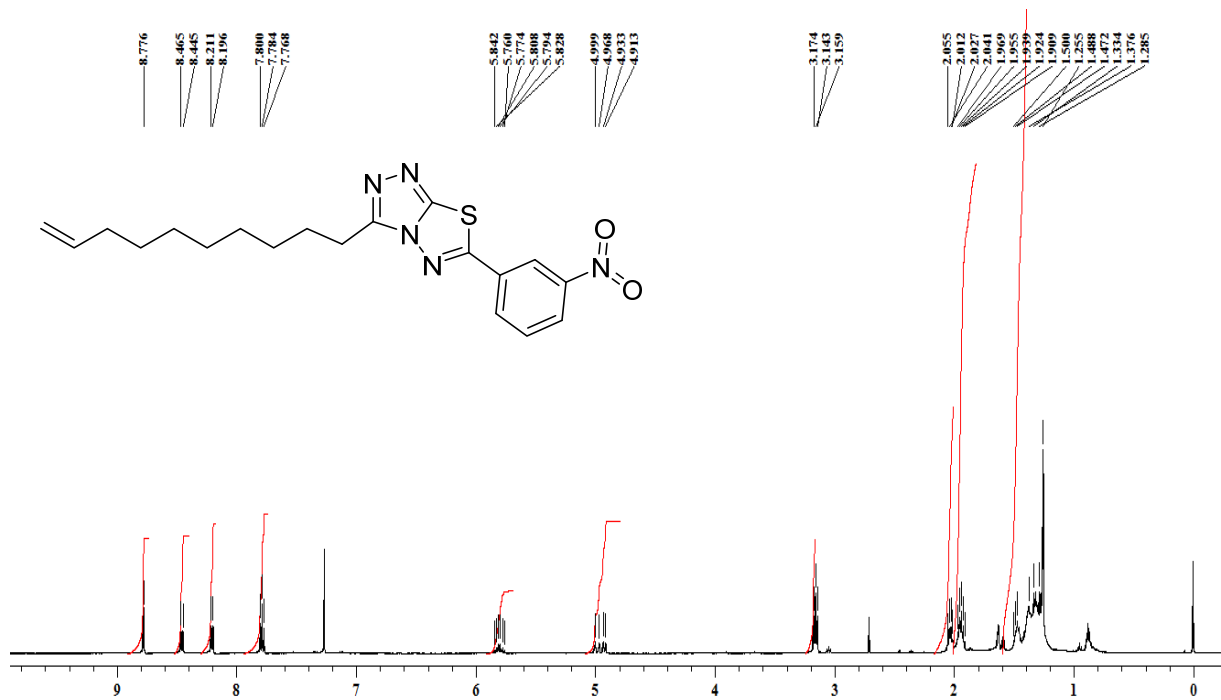
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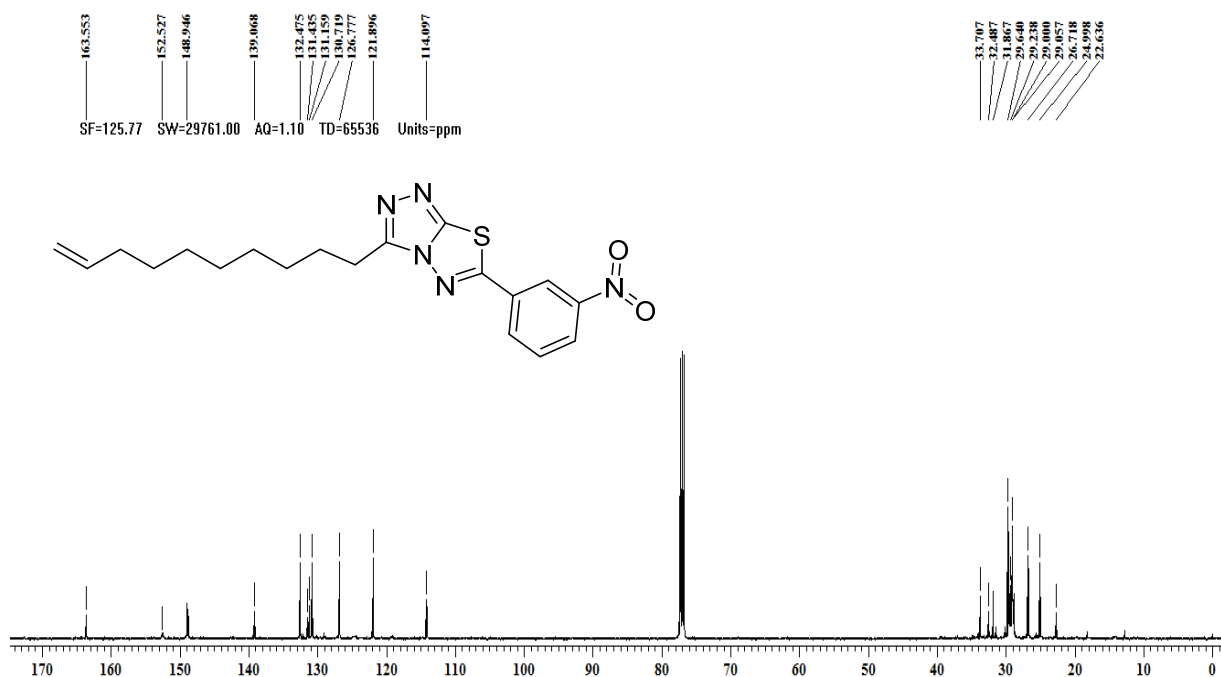
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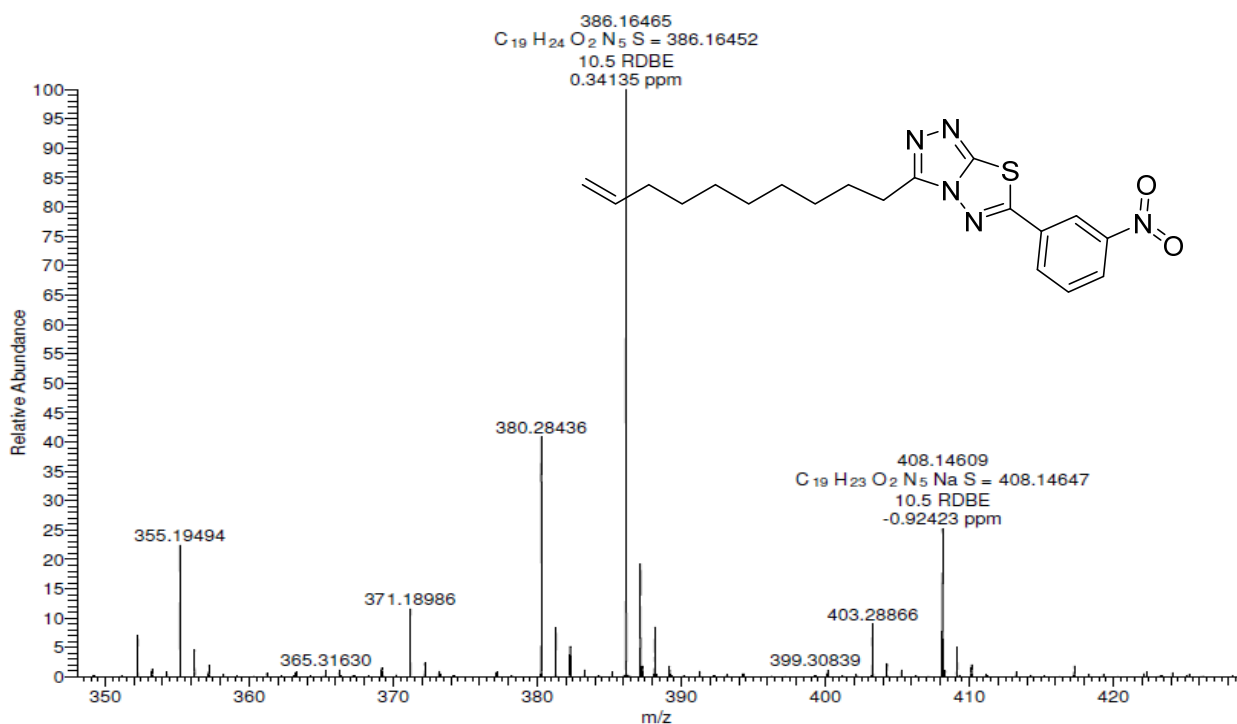
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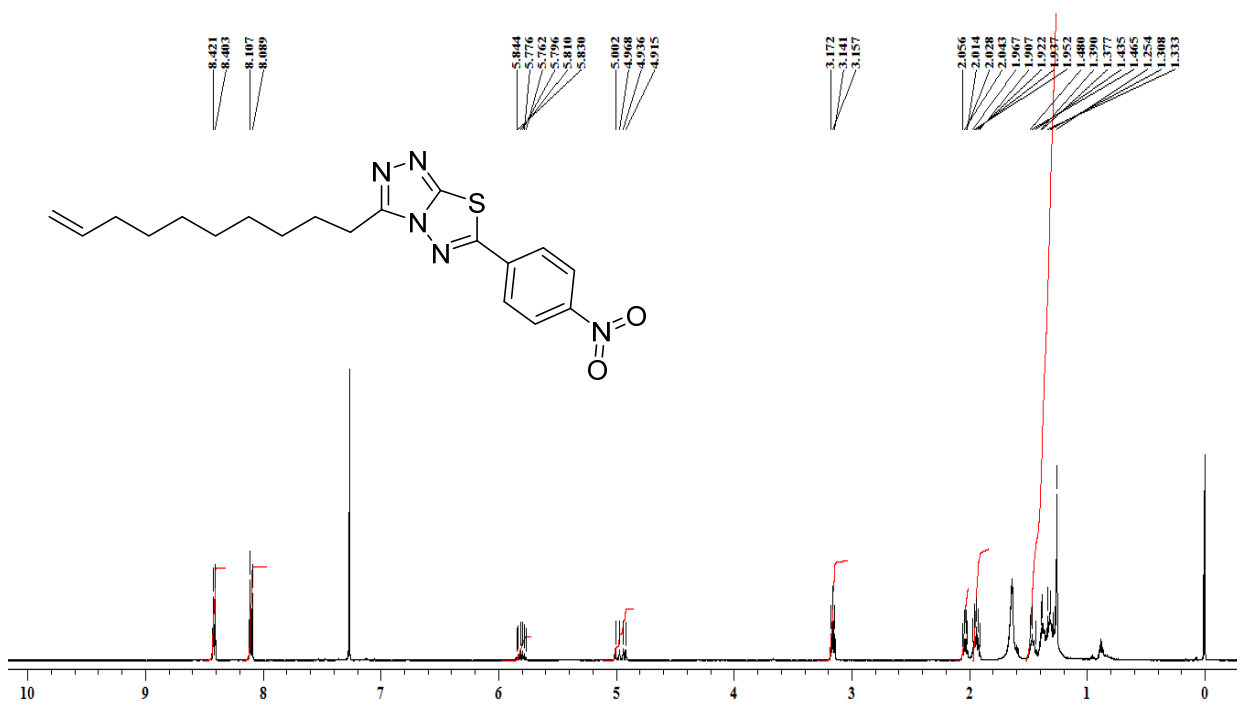
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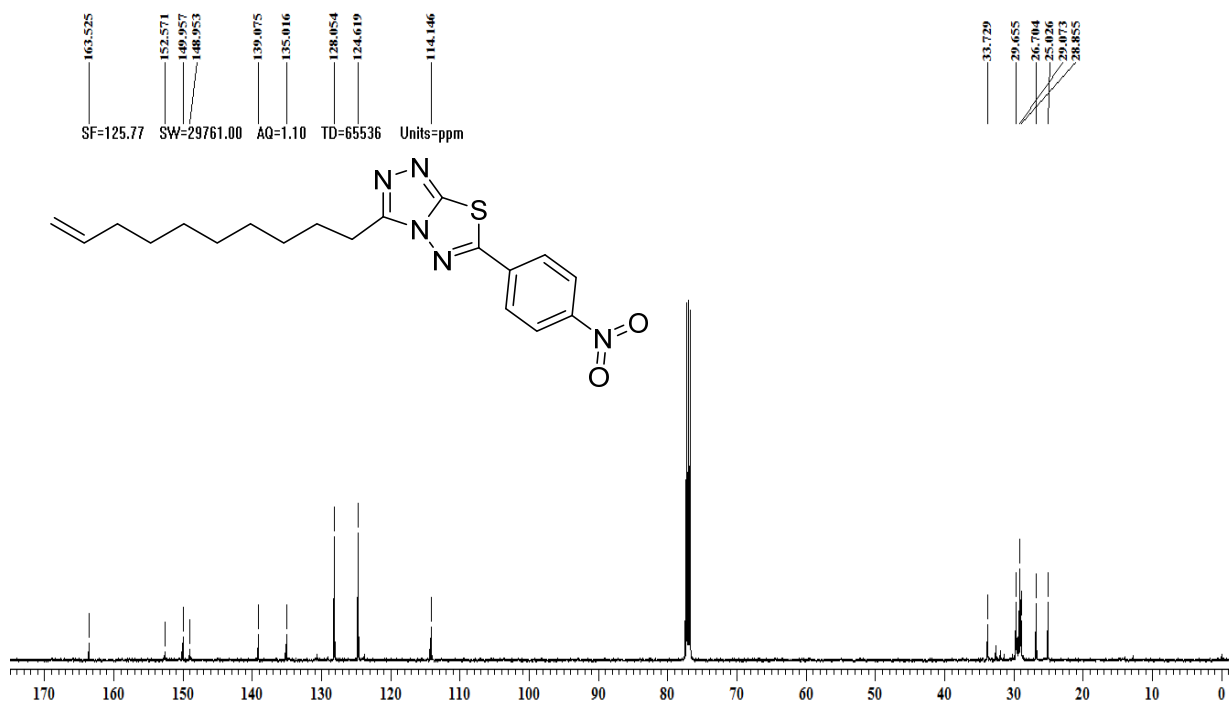
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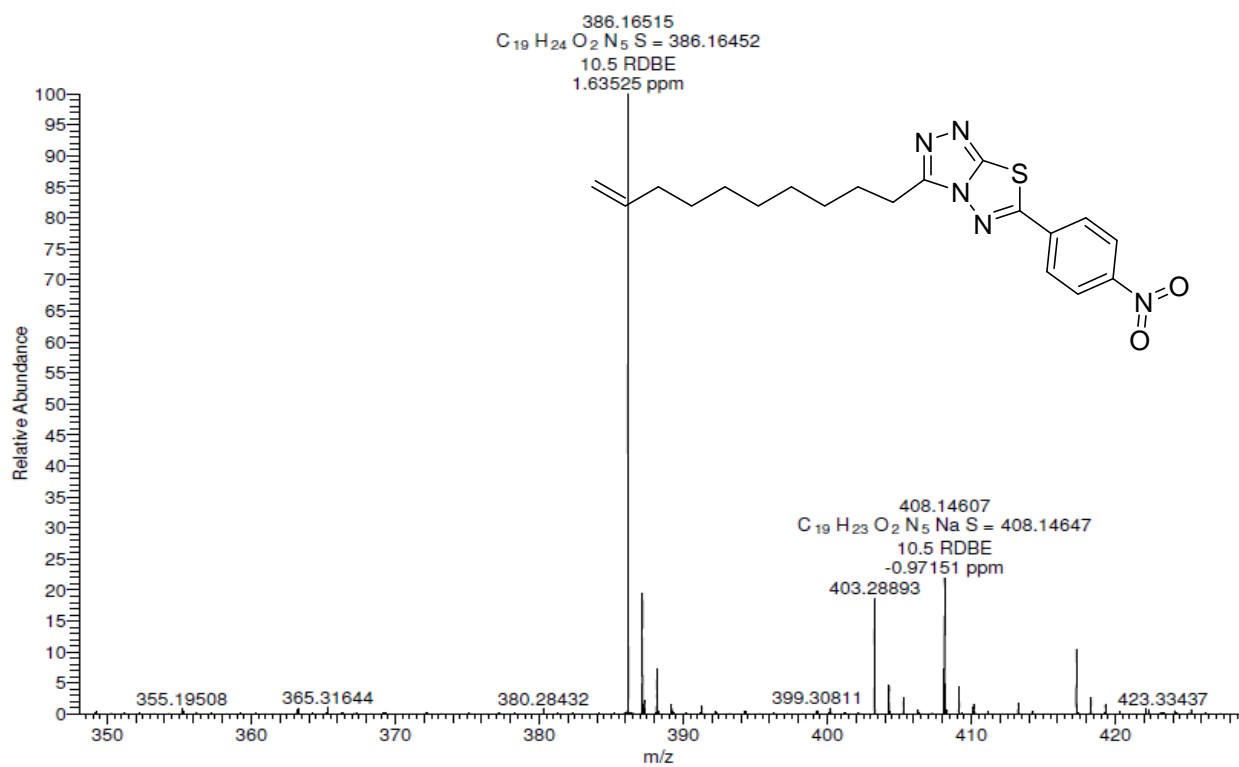
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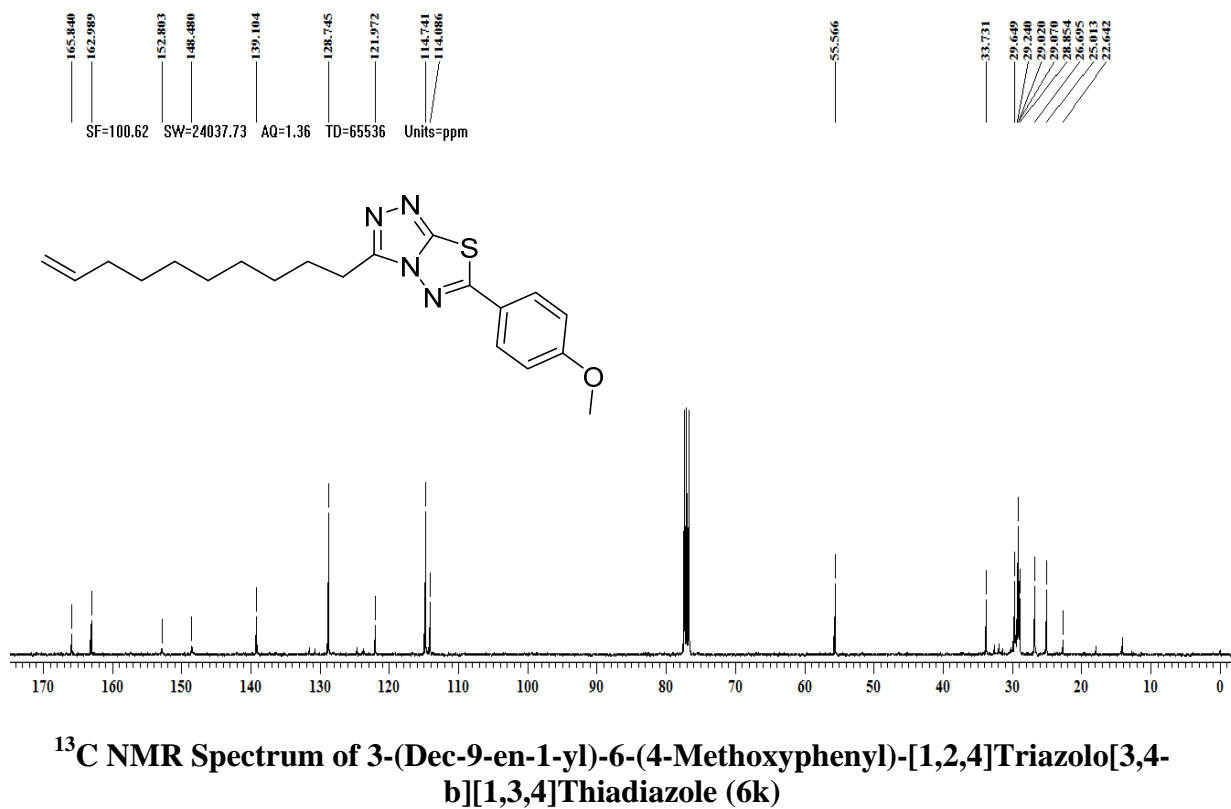
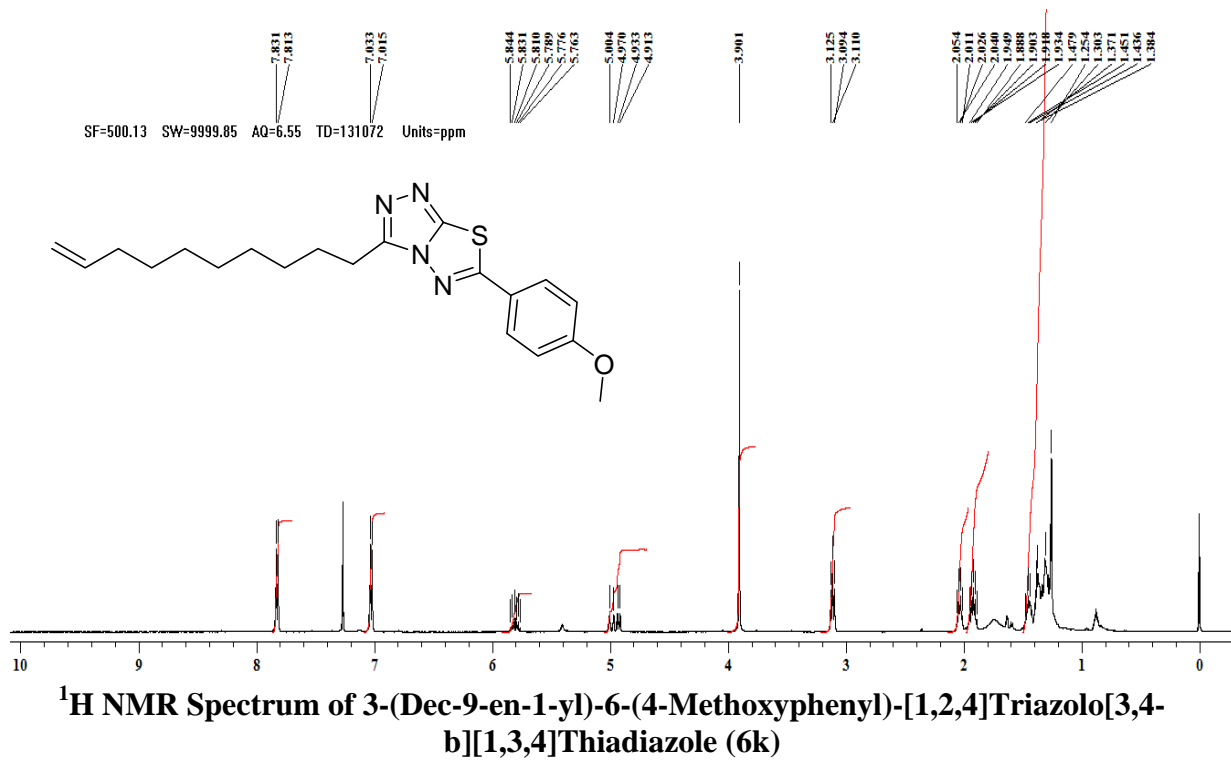
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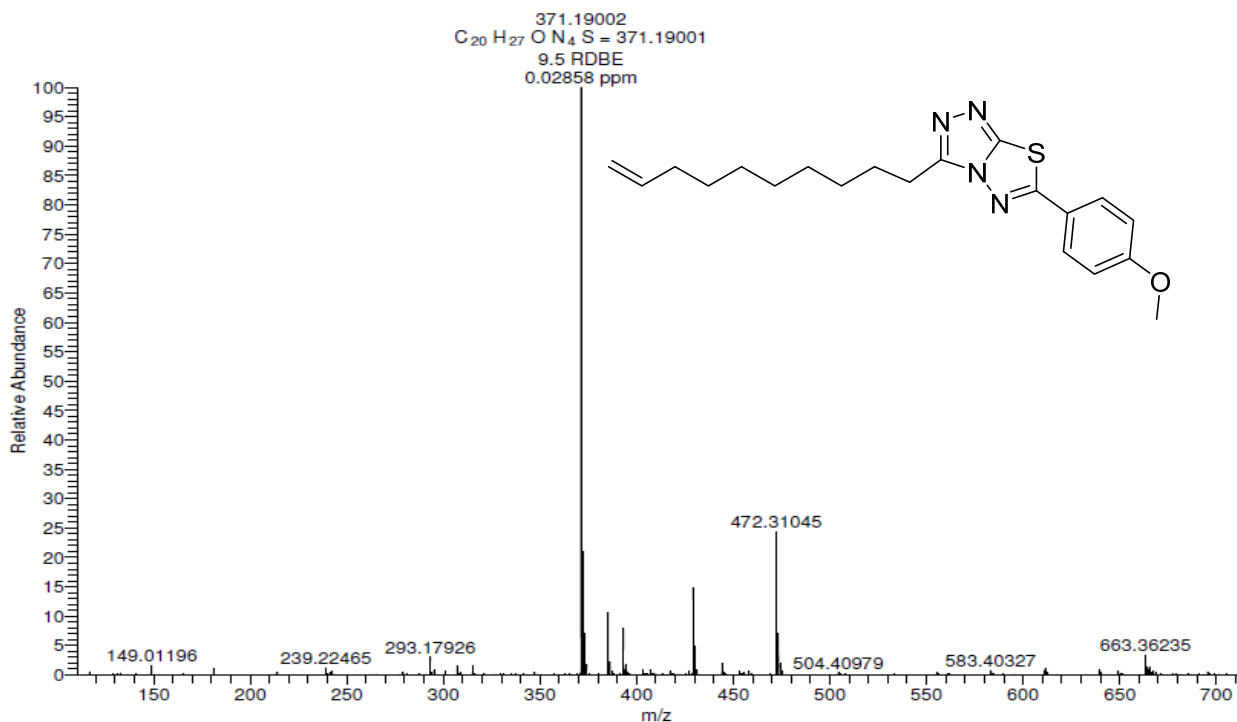


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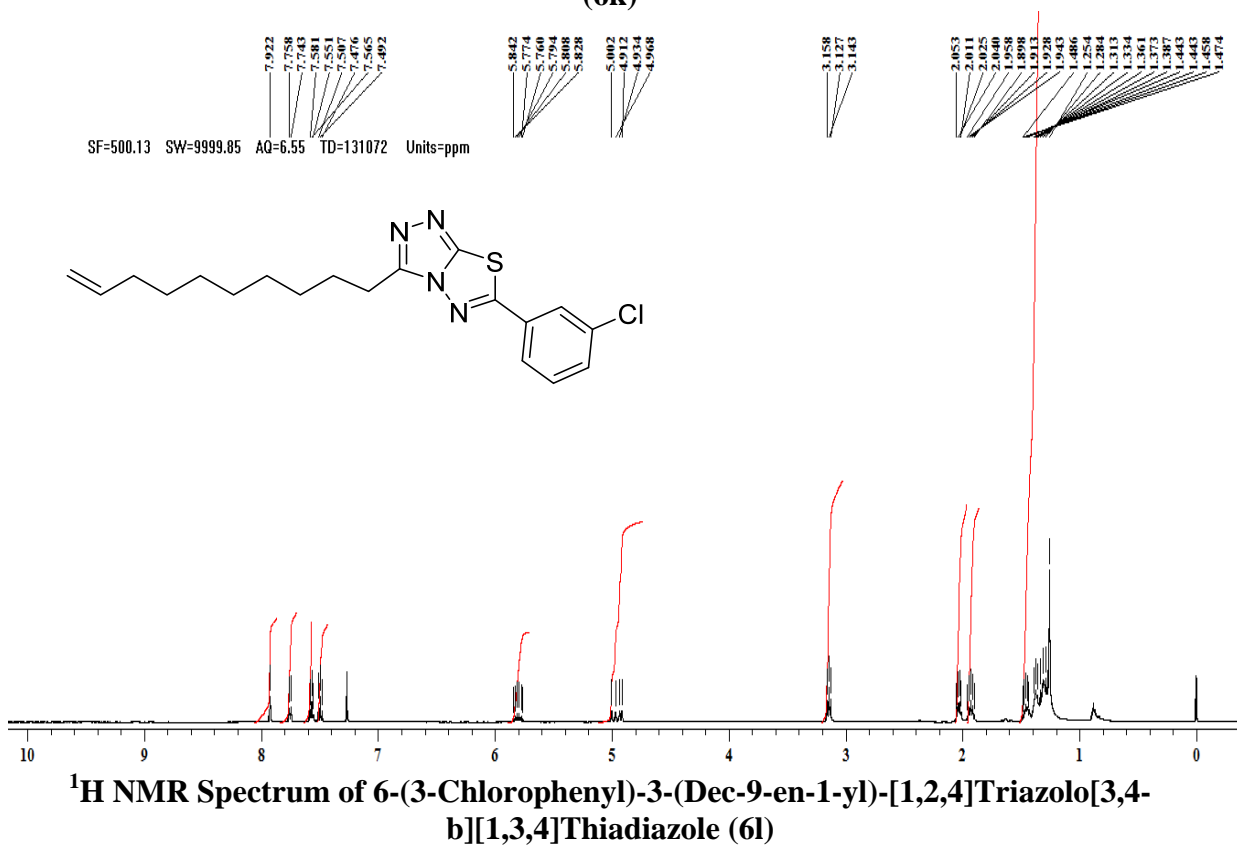


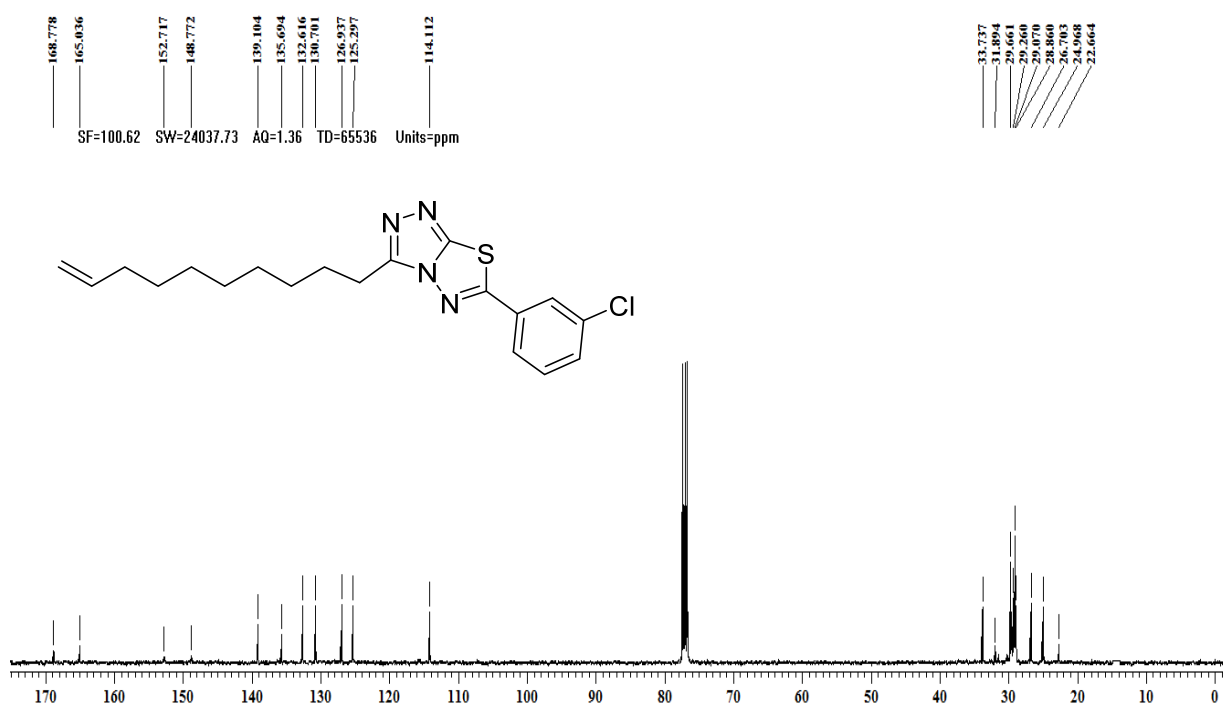
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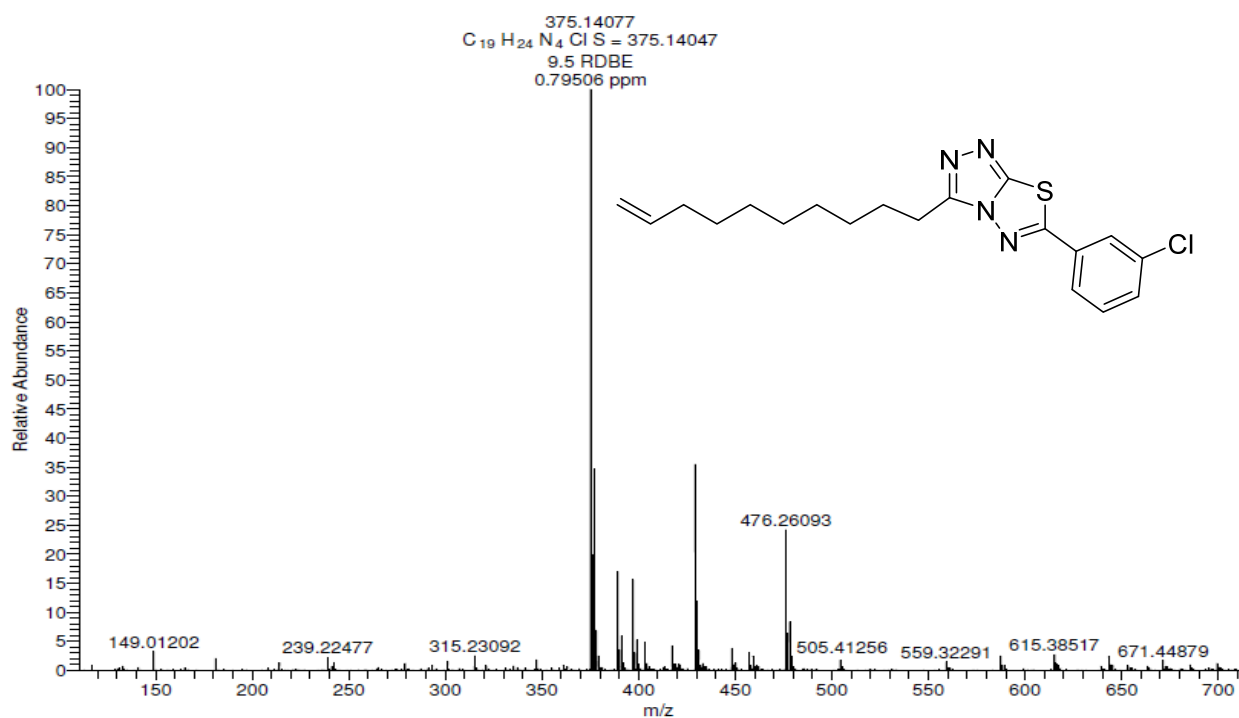


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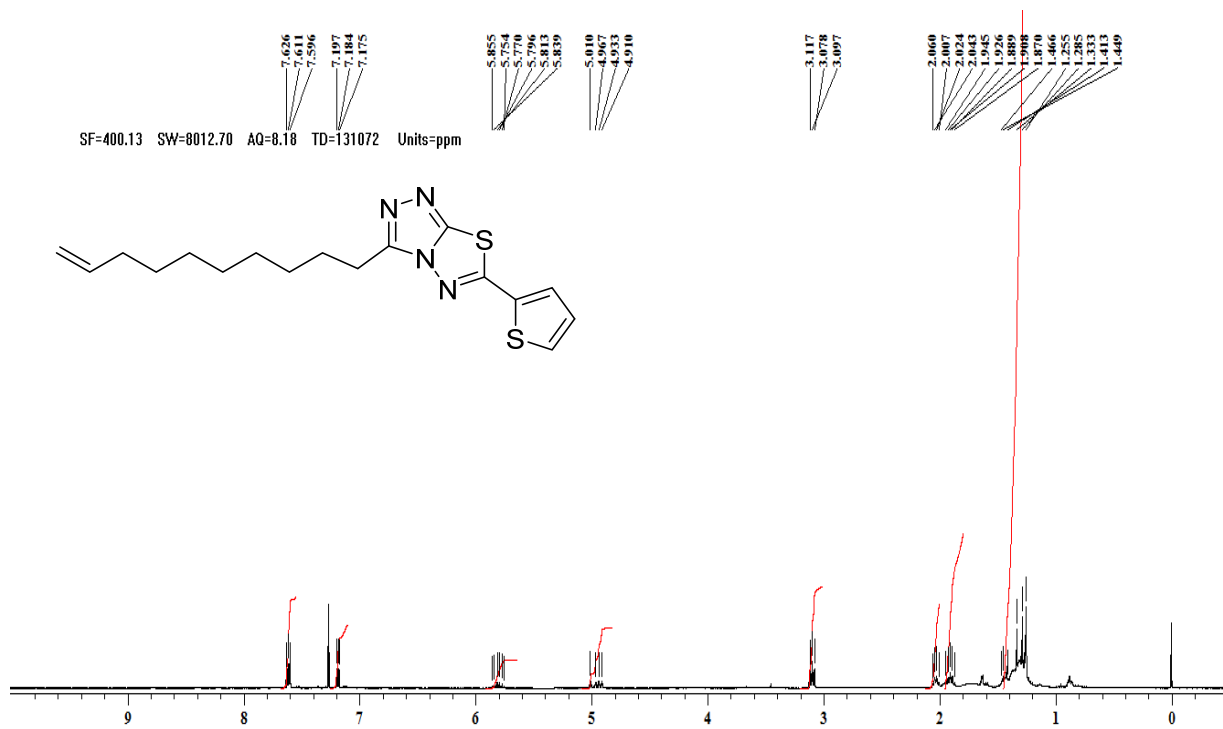




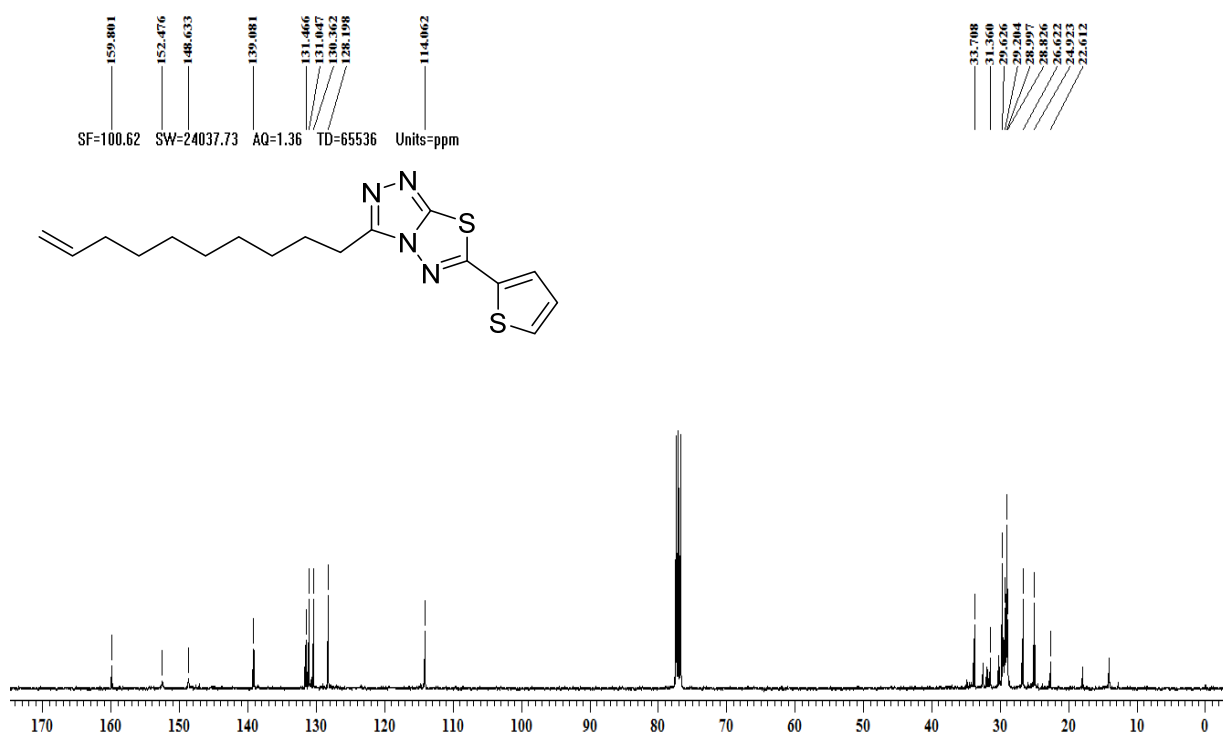
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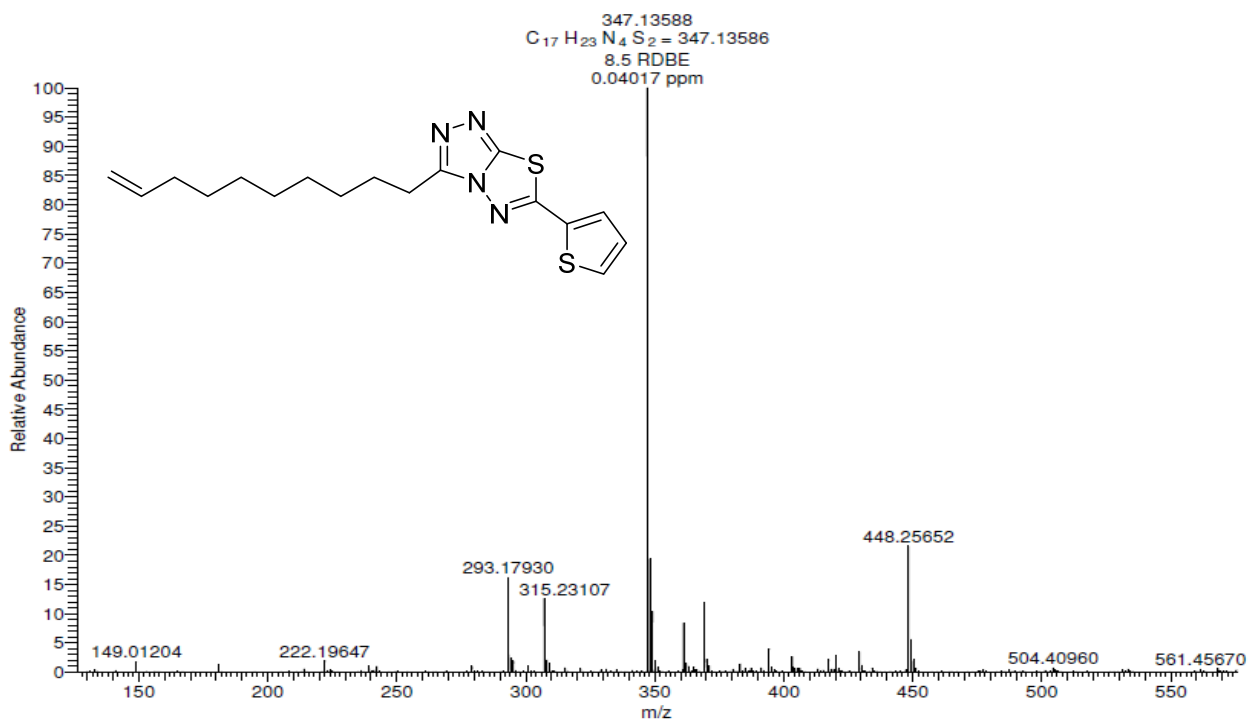
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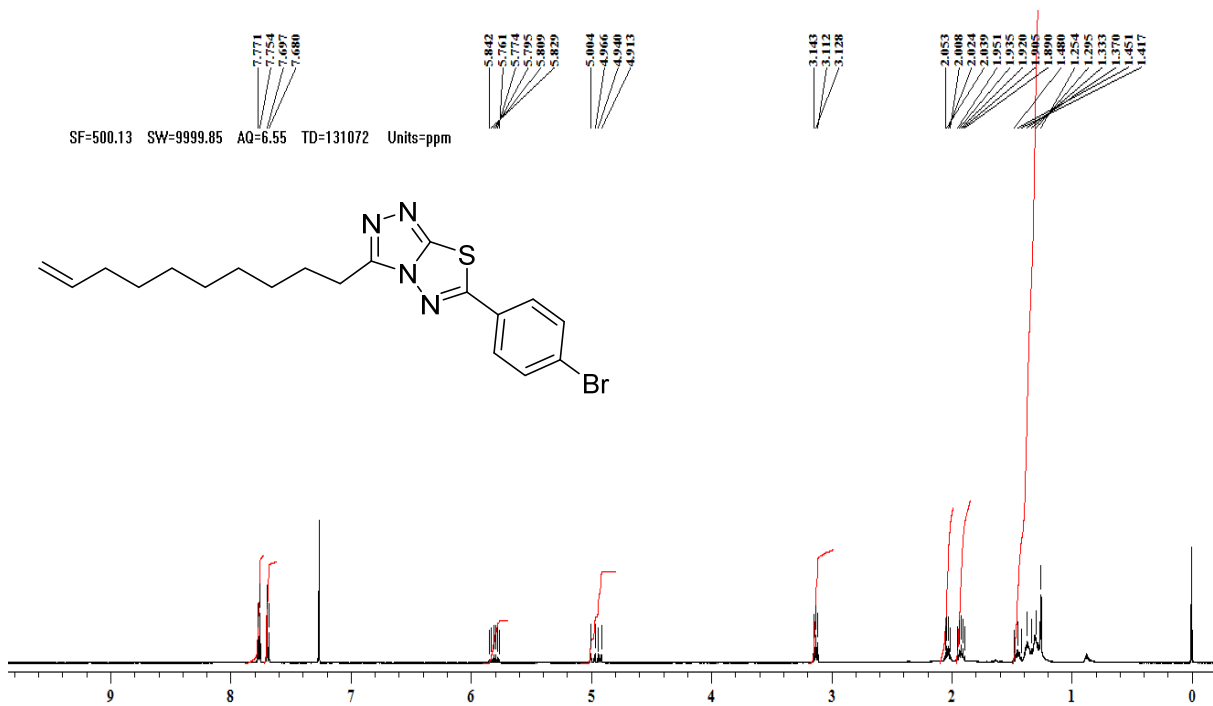
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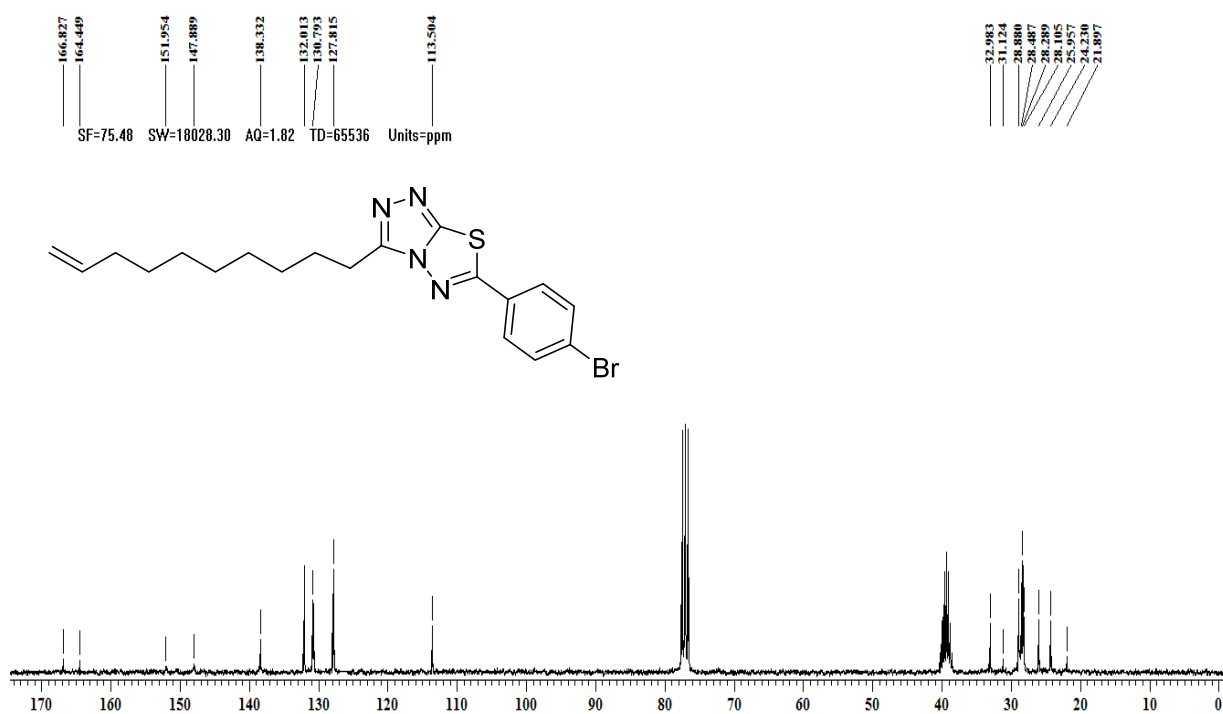
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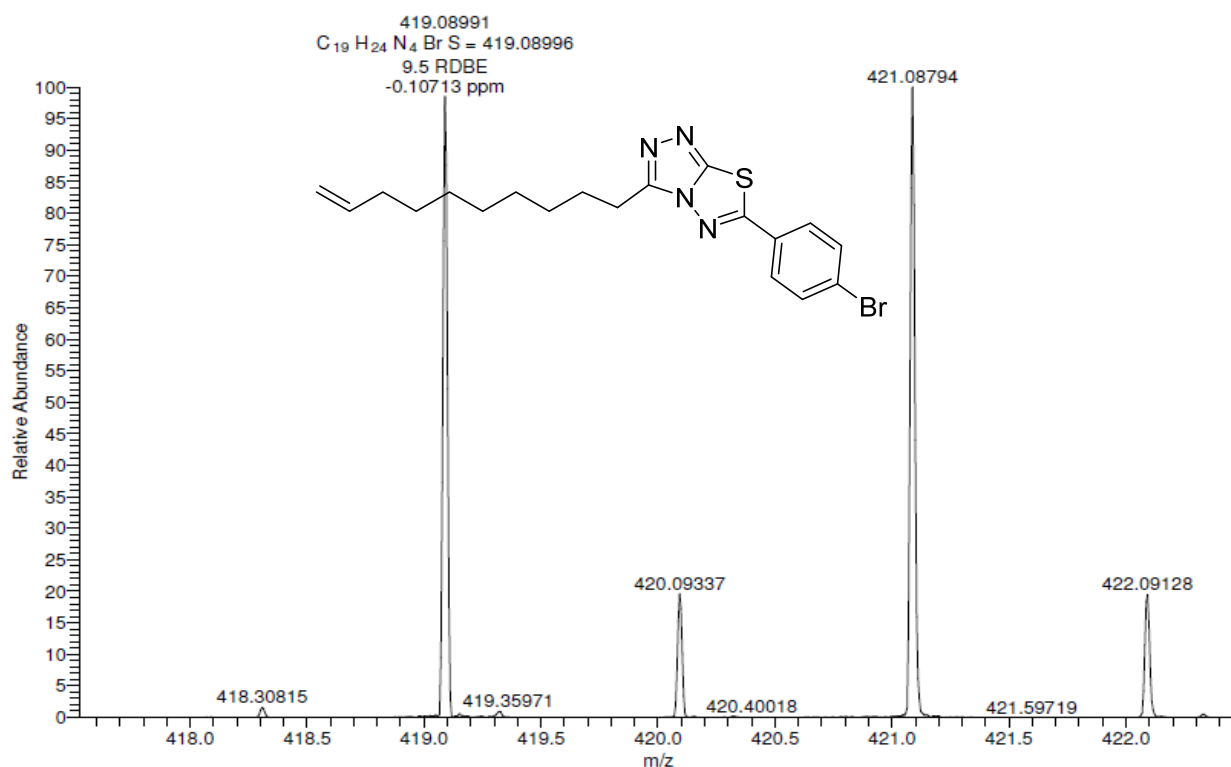
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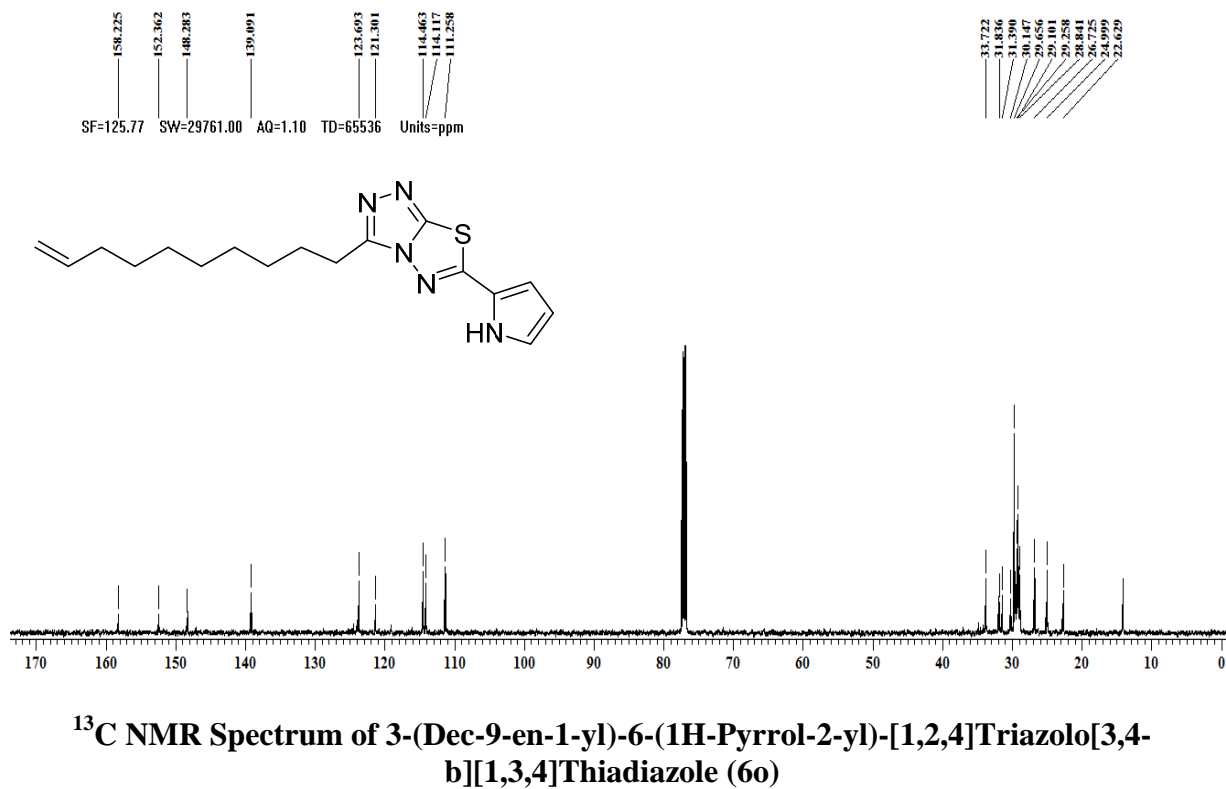
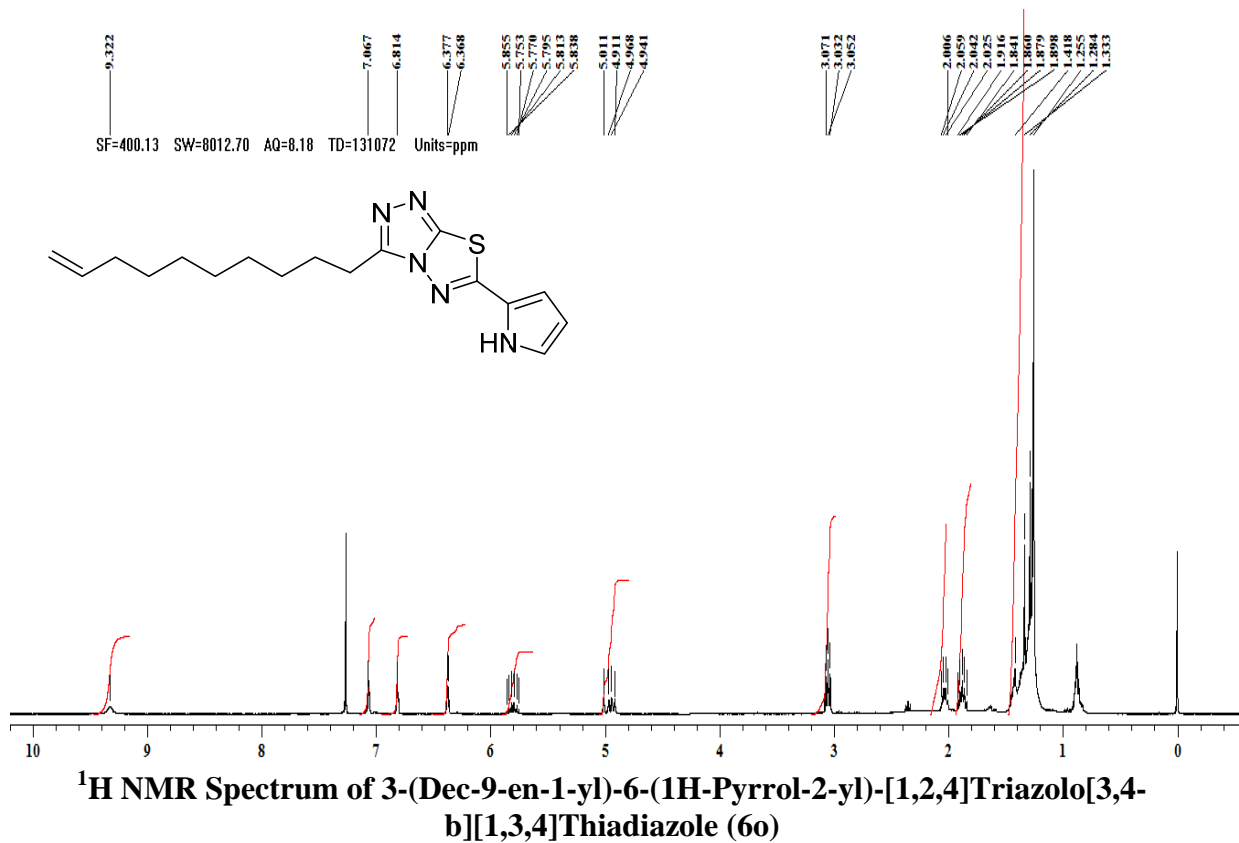
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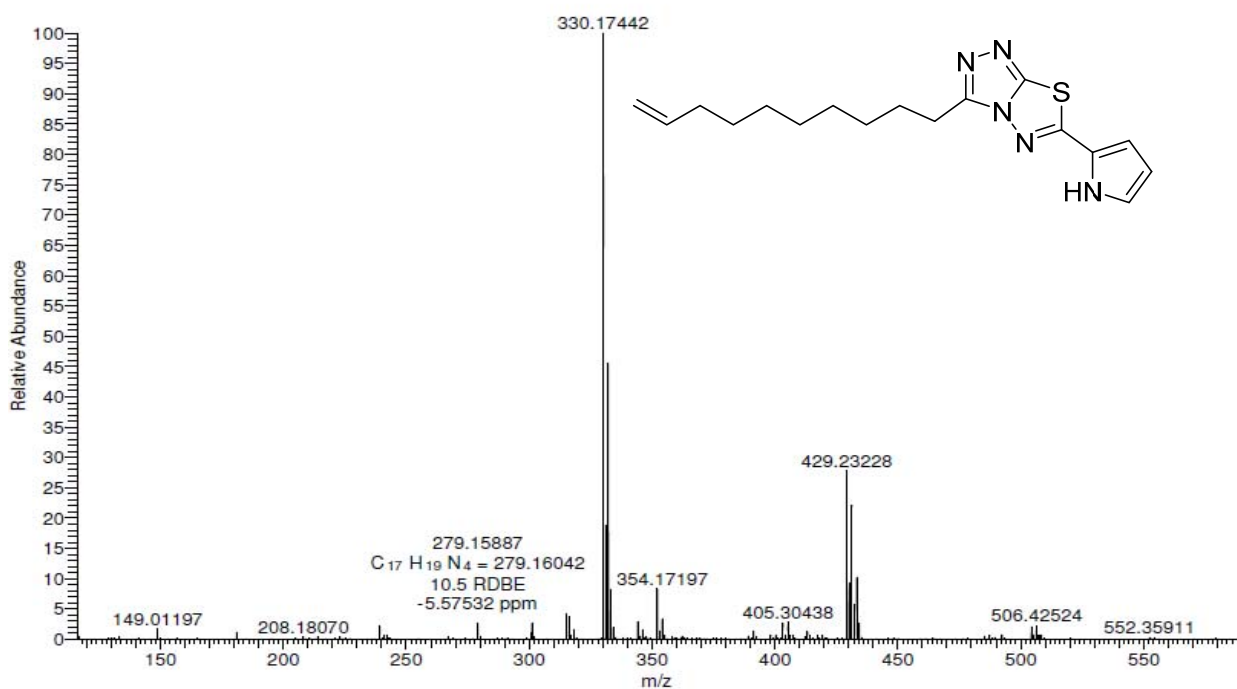


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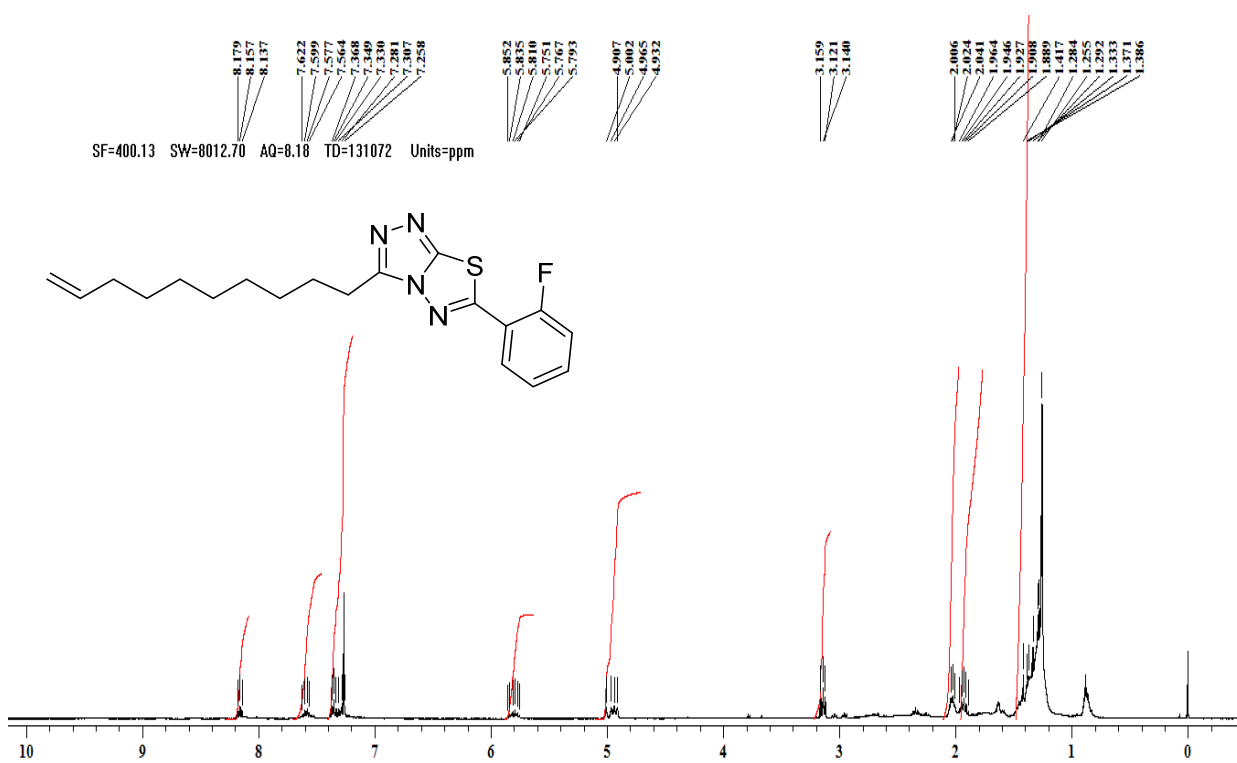


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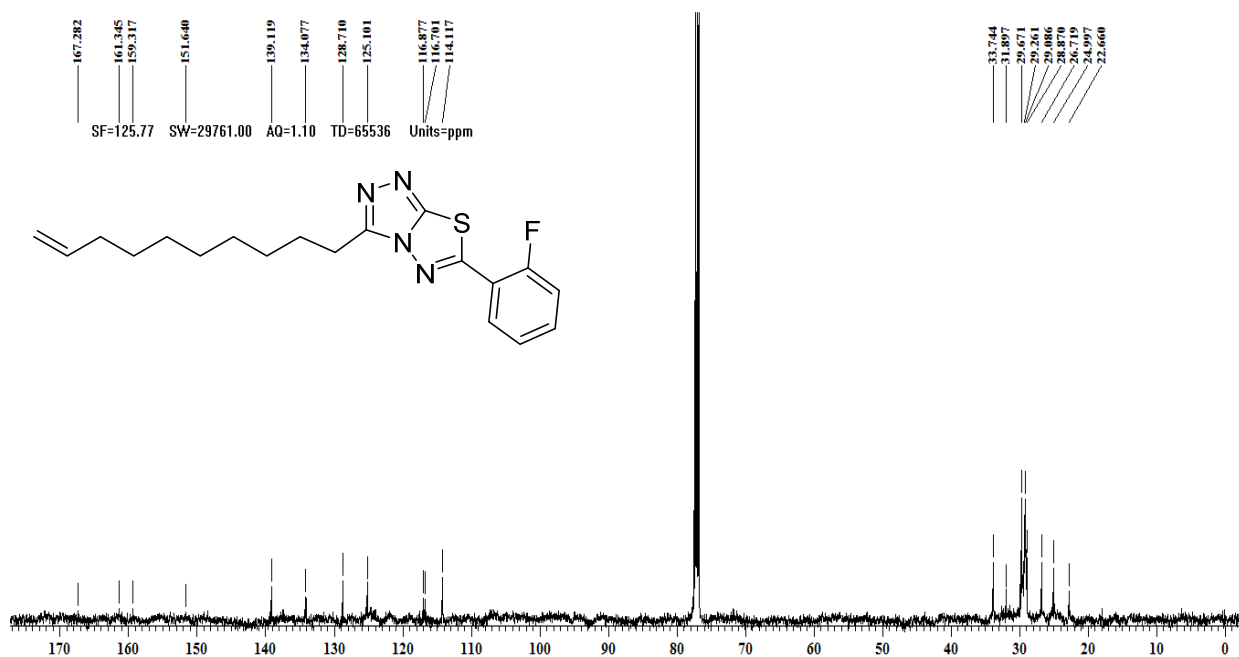




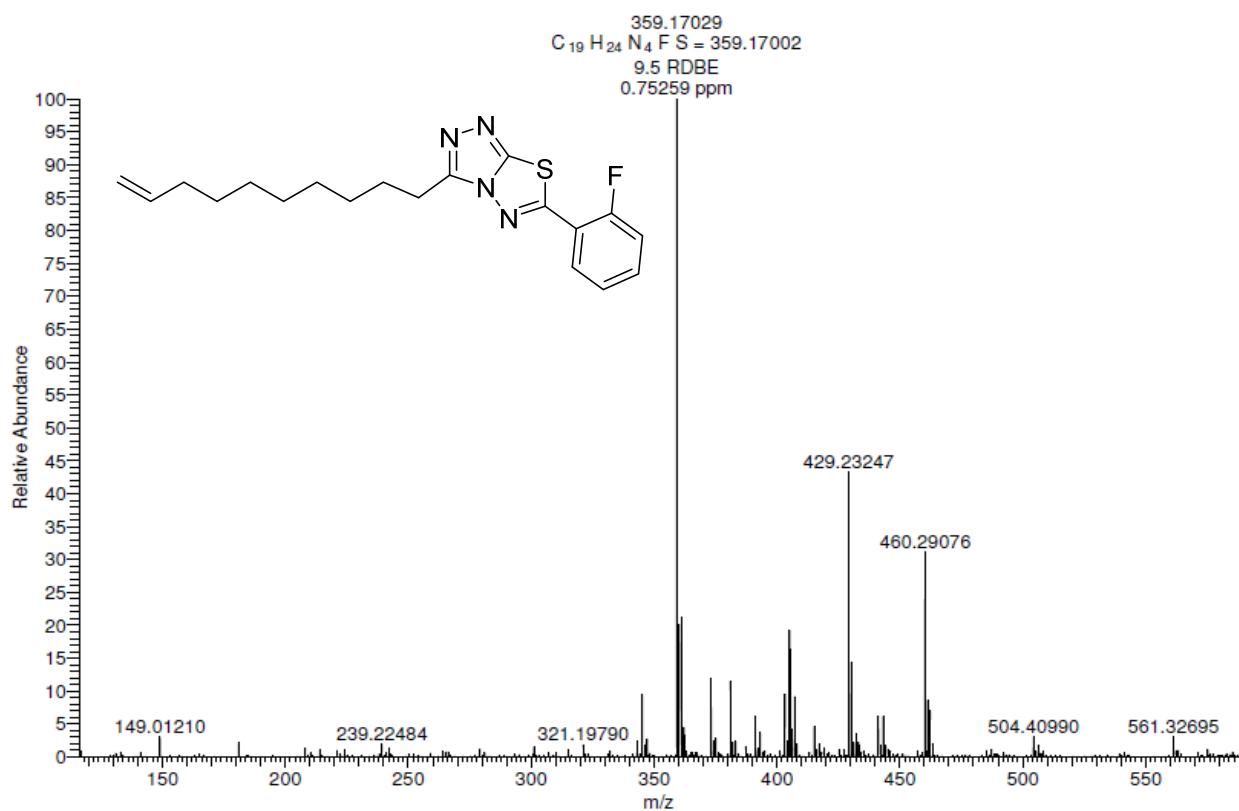
HRMS of 3-(Dec-9-en-1-yl)-6-(1H-Pyrrol-2-yl)-[1,2,4]Triazolo[3,4-b][1,3,4]Thiadiazole (60)



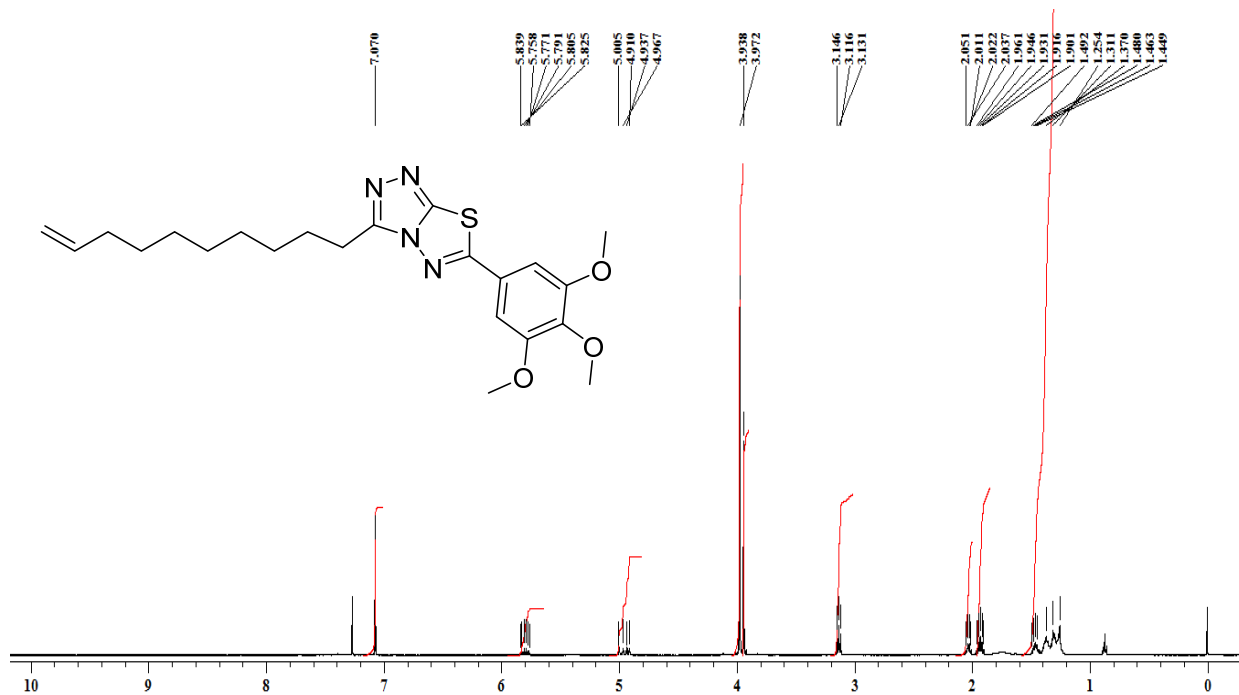
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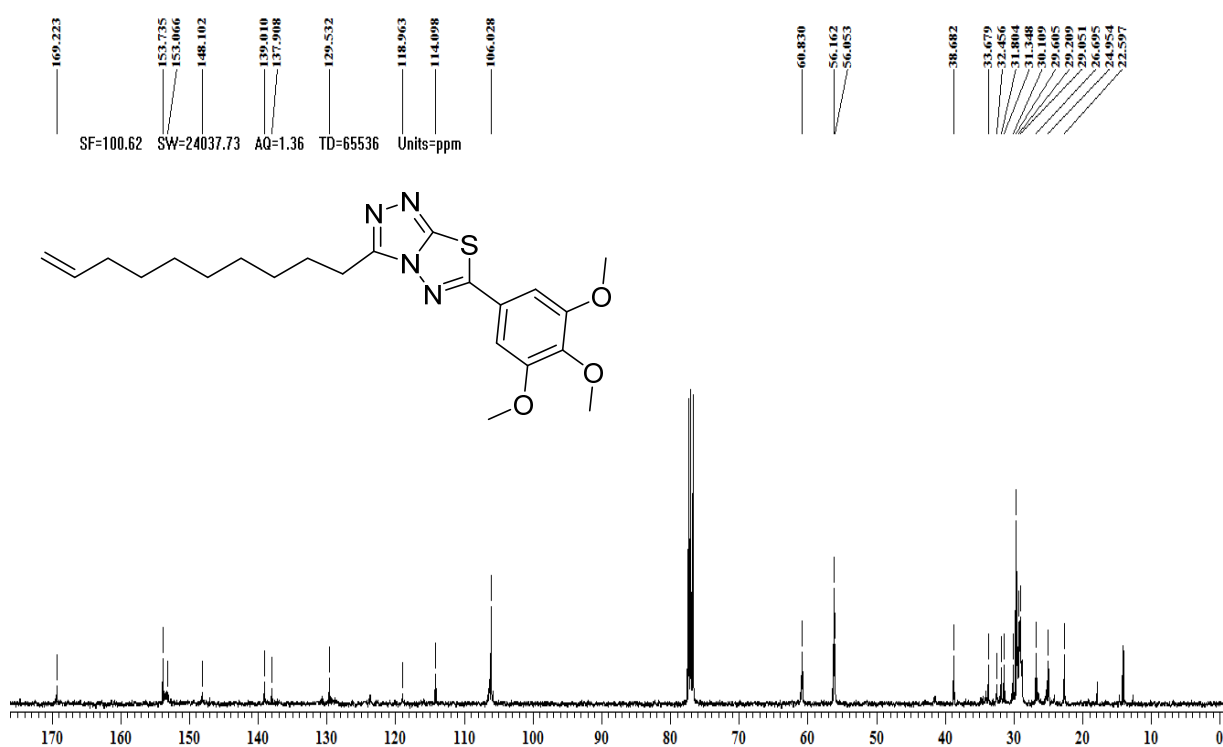
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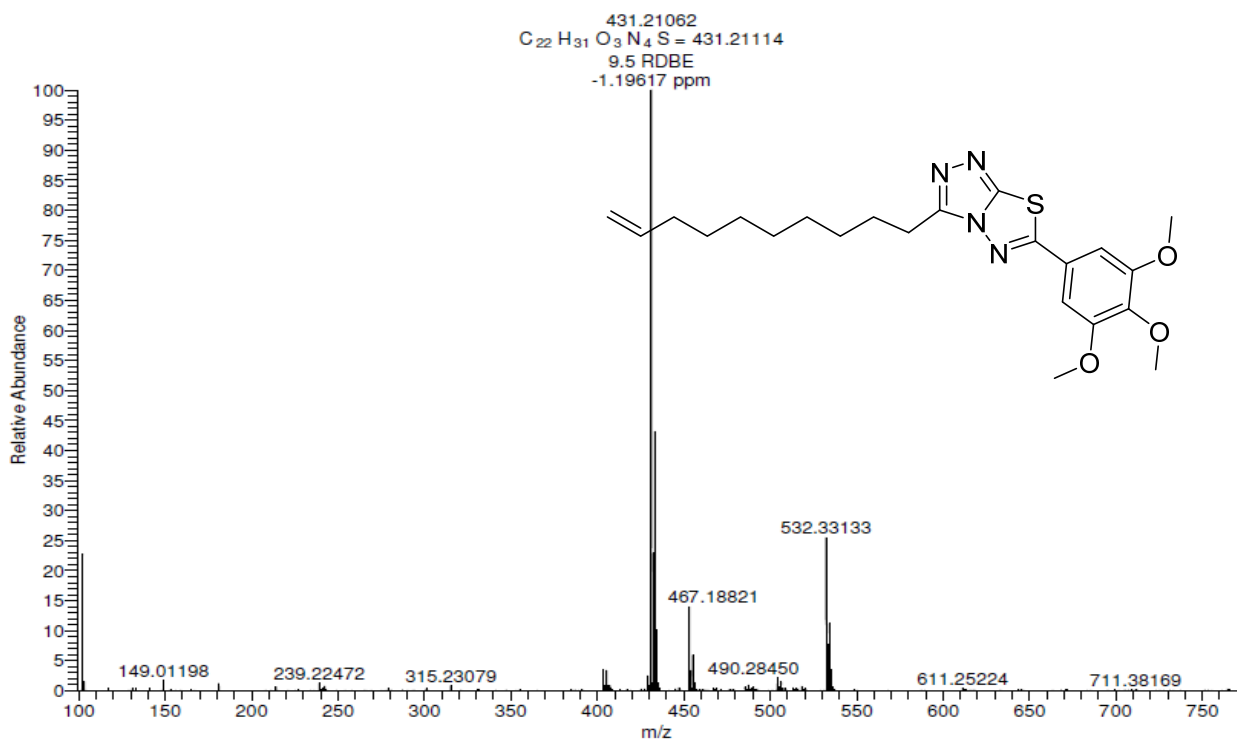
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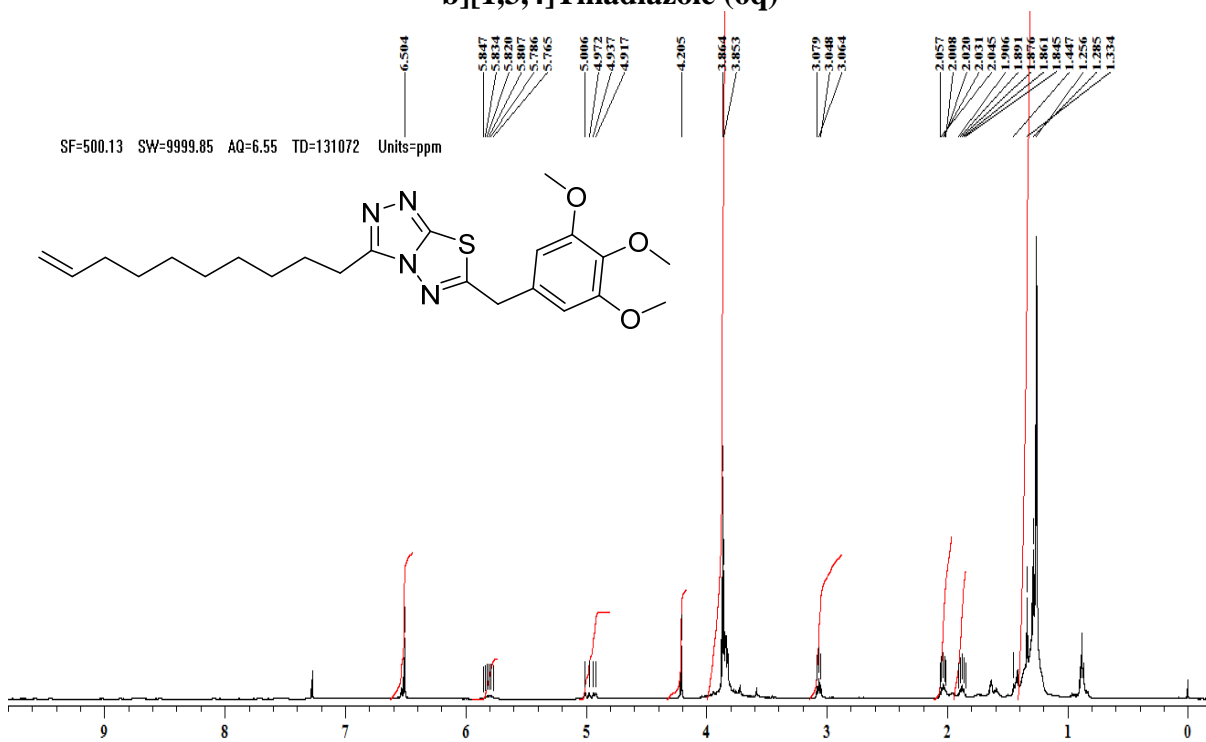
^1H NMR Spectrum of 3-(Dec-9-en-1-yl)-6-(3,4,5-Trimethoxyphenyl)-[1,2,4]Triazolo[3,4-b][1,3,4]Thiadiazole (6q)



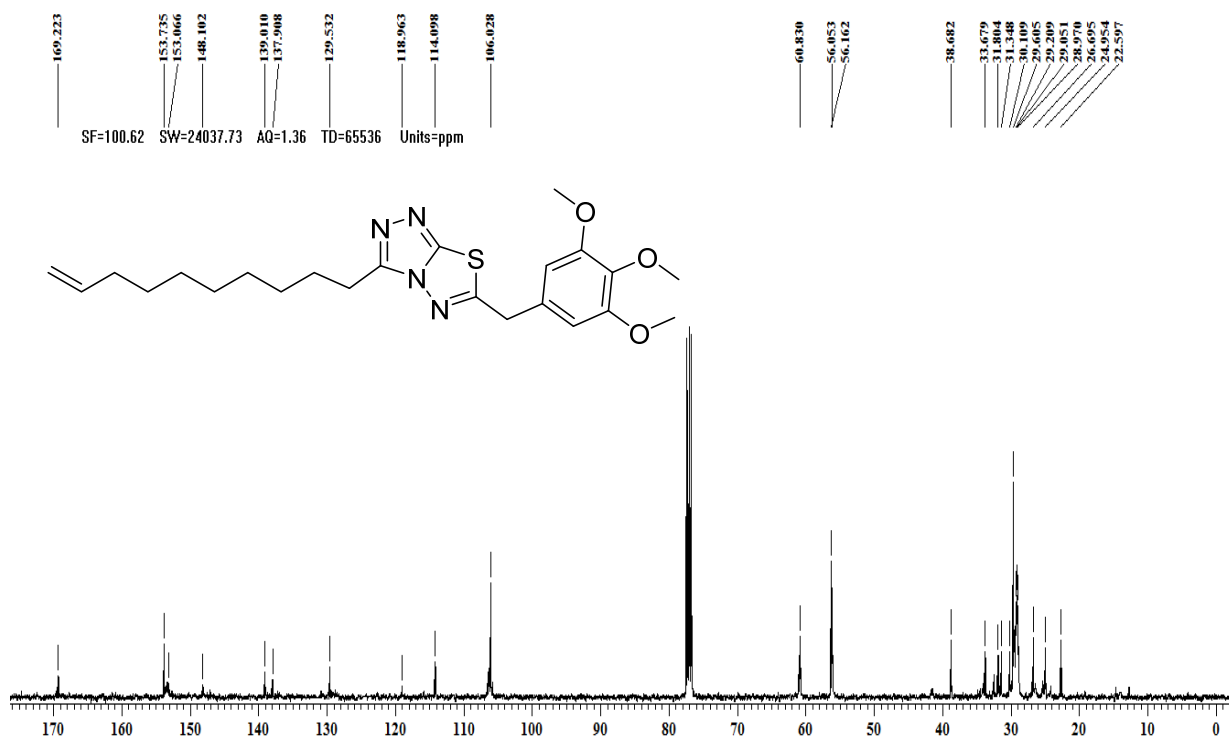
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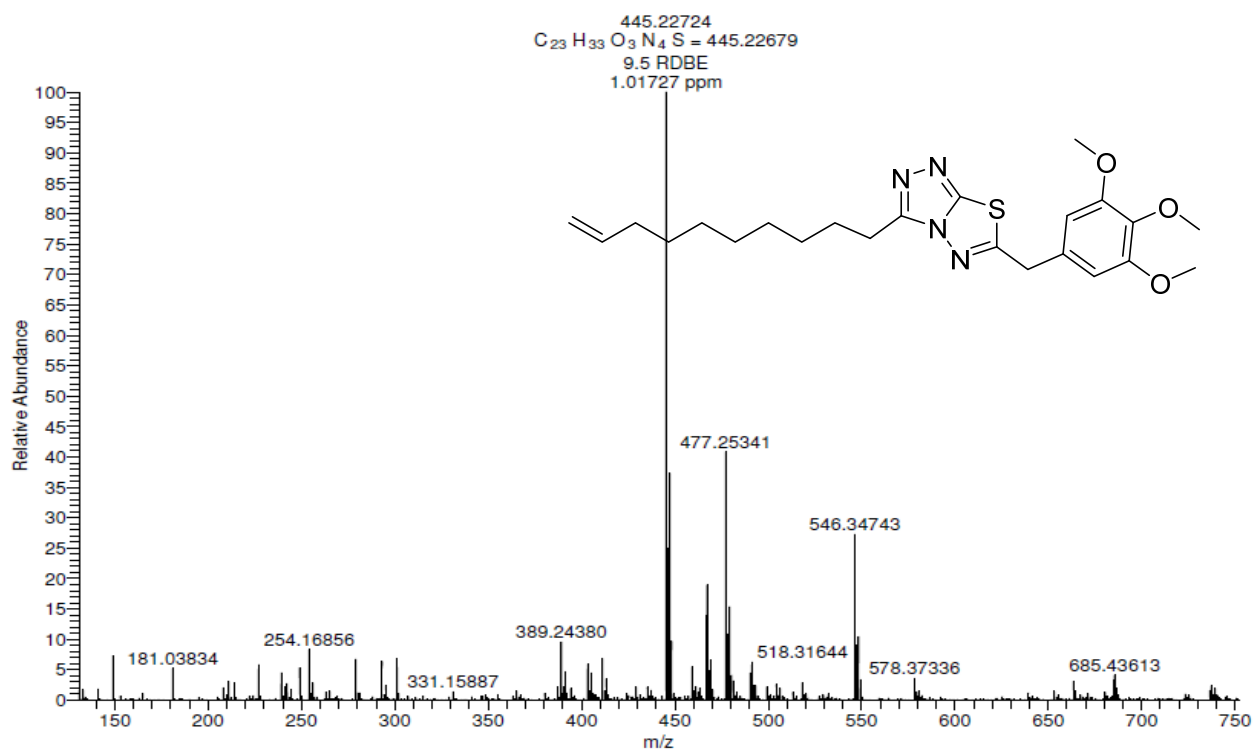
HRMS of 3-(Dec-9-en-1-yl)-6-(3,4,5-Trimethoxyphenyl)-[1,2,4]Triazolo[3,4-b][1,3,4]Thiadiazole (6q)



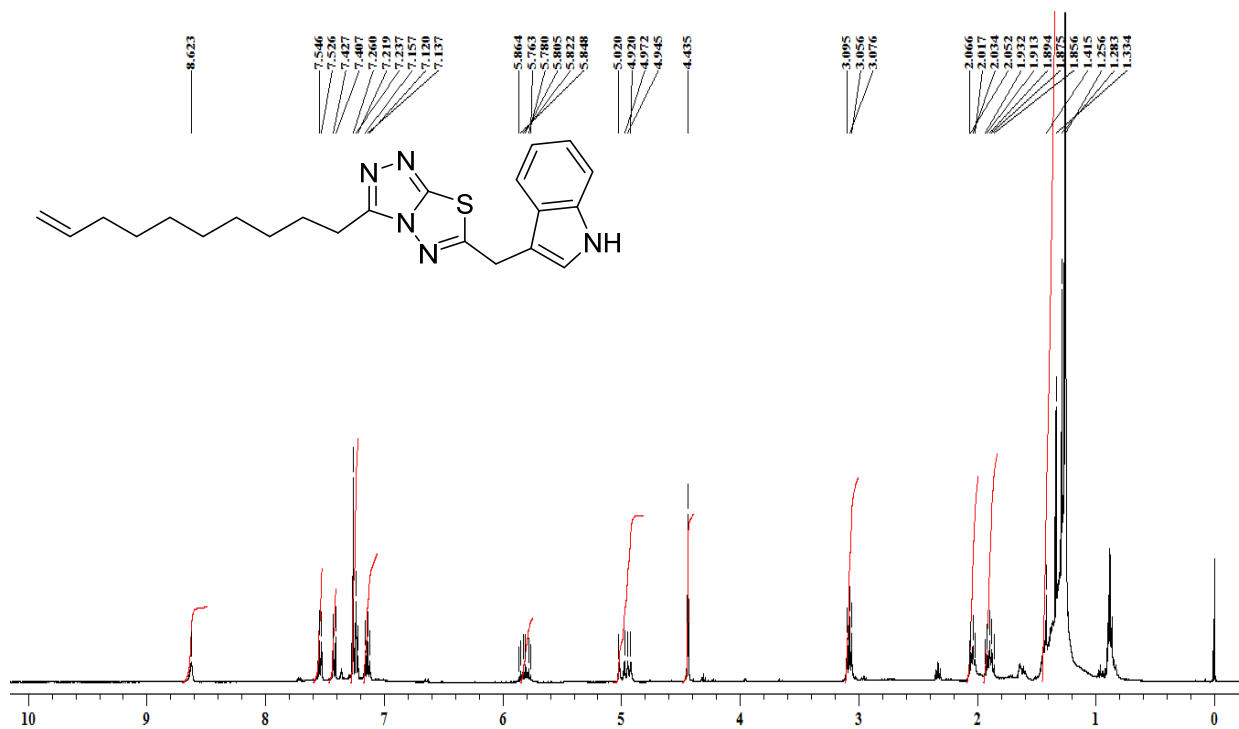
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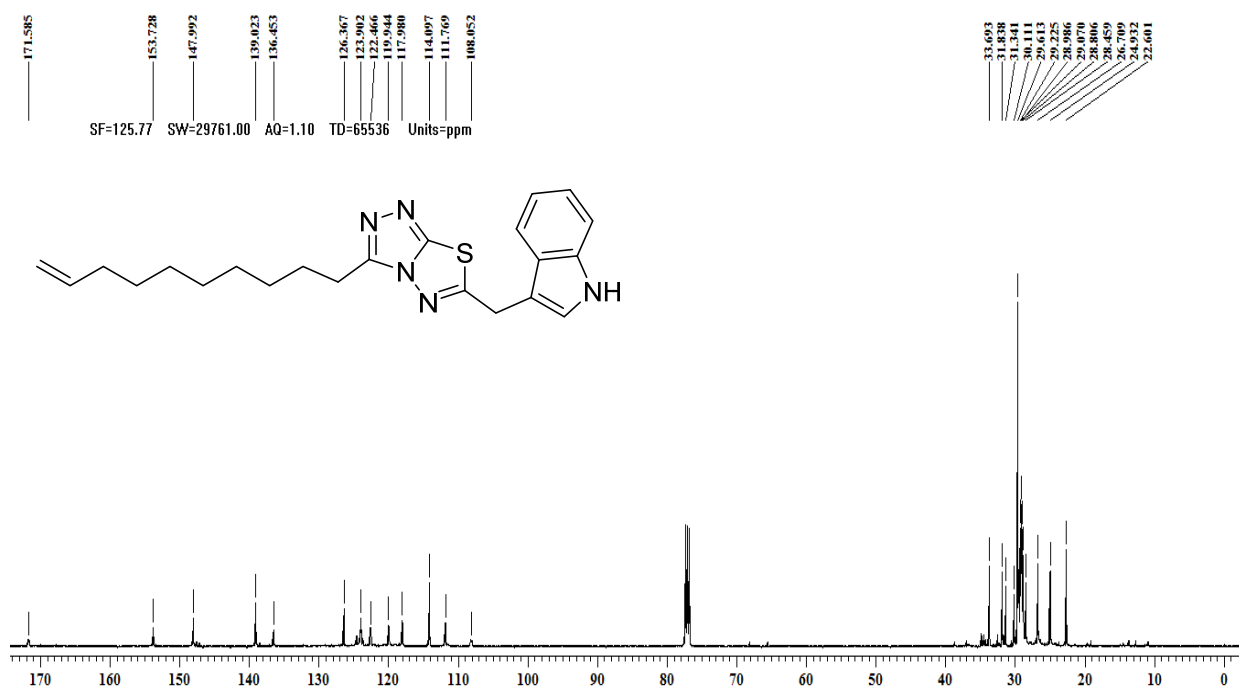
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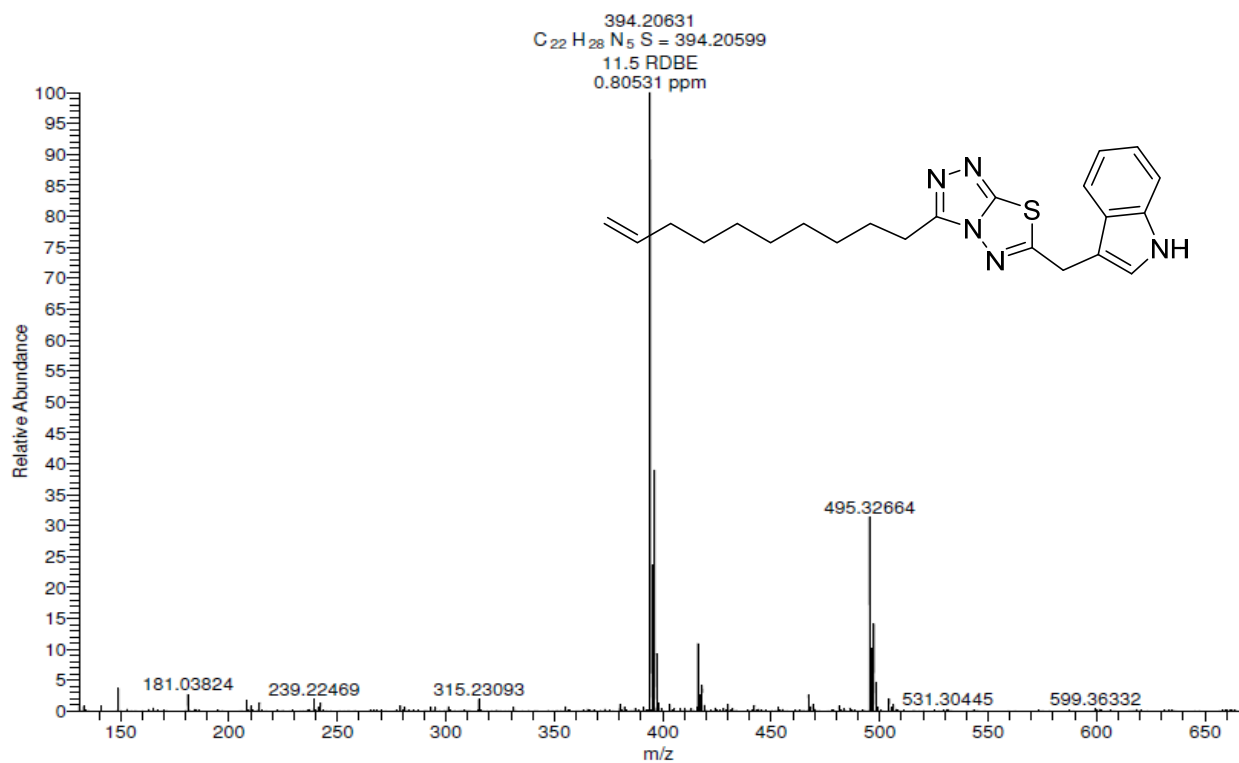
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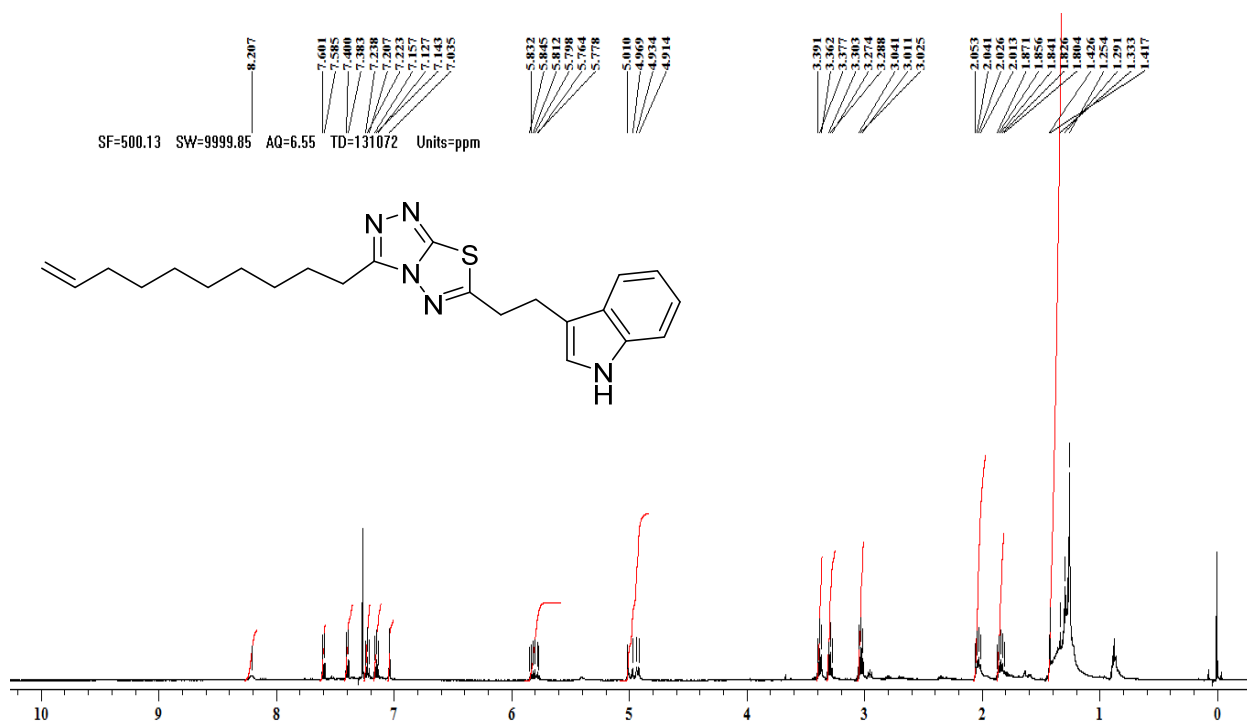
¹H NMR Spectrum of 3-((1H-Indol-3-yl)methyl)-3-(Dec-9-en-1-yl)-[1,2,4]Triazolo[3,4-b][1,3,4]Thiadiazole (6s)



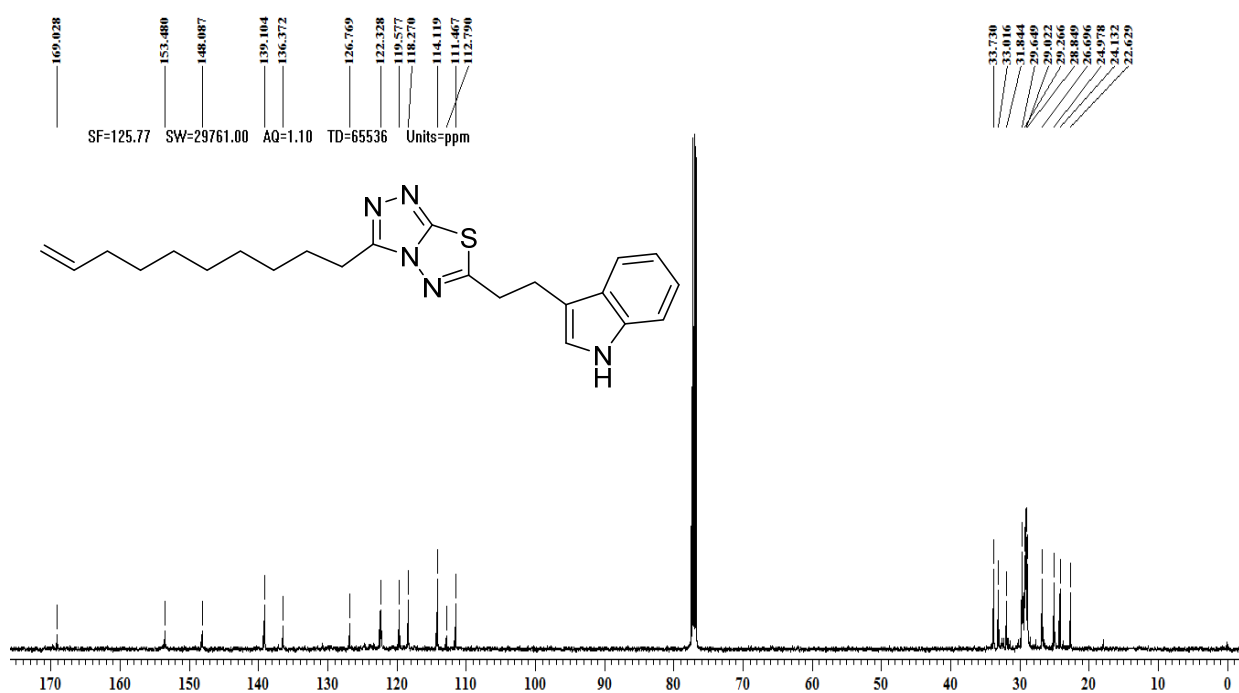
¹³C NMR Spectrum of 3-((1H-Indol-3-yl)methyl)-3-(Dec-9-en-1-yl)-[1,2,4]Triazolo[3,4-b][1,3,4]Thiadiazole (6s)



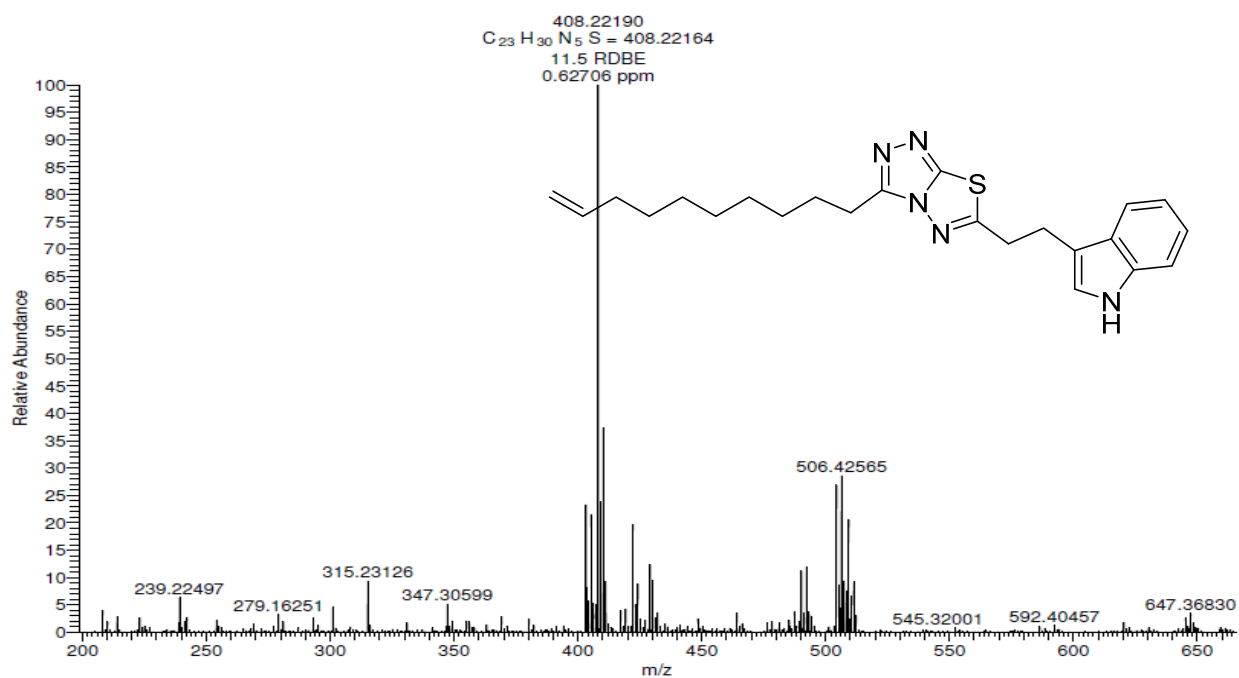
HRMS of 3-((1H-Indol-3-yl)methyl)-3-(Dec-9-en-1-yl)-[1,2,4]Triazolo[3,4-b][1,3,4]Thiadiazole (6s)



1H NMR Spectrum of 6-(2-(1H-Indol-3-yl)ethyl)-3-(Dec-9-en-1-yl)-[1,2,4]Triazolo[3,4-b][1,3,4]Thiadiazole (6t)



¹³C NMR Spectrum of 6-(2-(1H-Indol-3-yl)ethyl)-3-(Dec-9-en-1-yl)-[1,2,4]Triazolo[3,4-b][1,3,4]Thiadiazole (6t)



HRMS of 6-(2-(1H-Indol-3-yl)ethyl)-3-(Dec-9-en-1-yl)-[1,2,4]Triazolo[3,4-b][1,3,4]Thiadiazole (6t)