

Nonanebis(peroxoic acid) mediated efficient and selective oxidation of sulfide

Eknath M. Gayakwad, Vilas V. Patil and Ganapati S. Shankarling*

Address: Department of Dyestuff Technology, Institute of Chemical Technology, N. P. Marg, Matunga,
Mumbai - 400019, India;

Tel.: 91-22-33612708; Fax: 91-22-33611020E; mail- gsshankarling@gmail.com

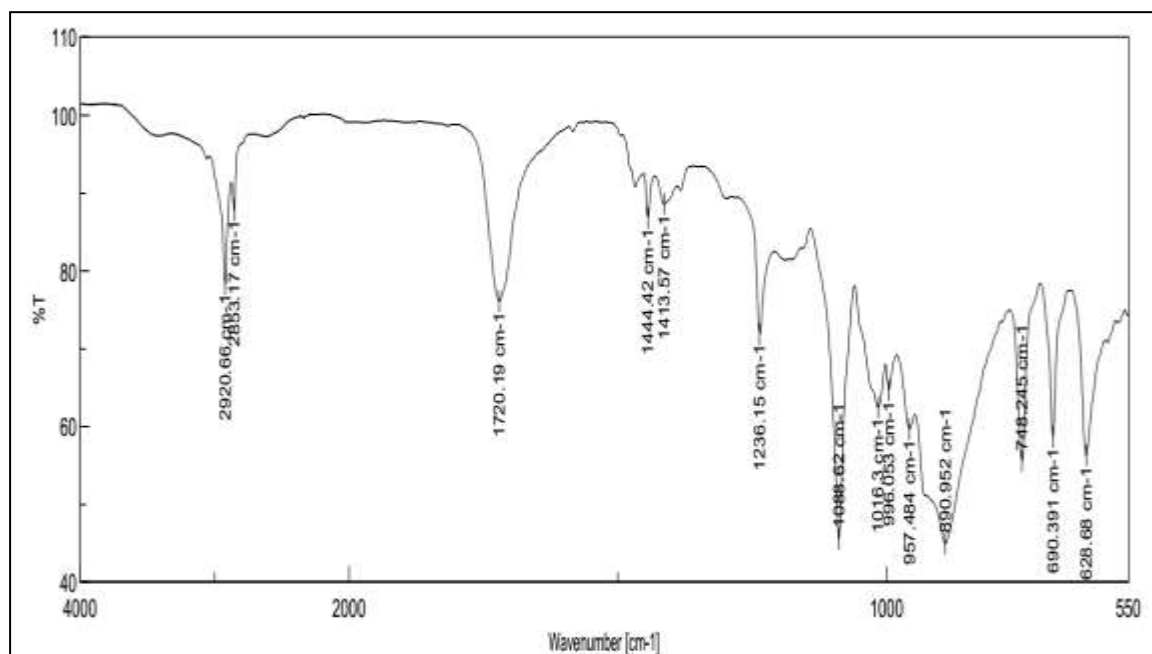
Supporting information

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1	FTIR Spectra	2-17
2	GC-MS and MS Spectra	18-33
3	¹ H NMR Spectra	34-49

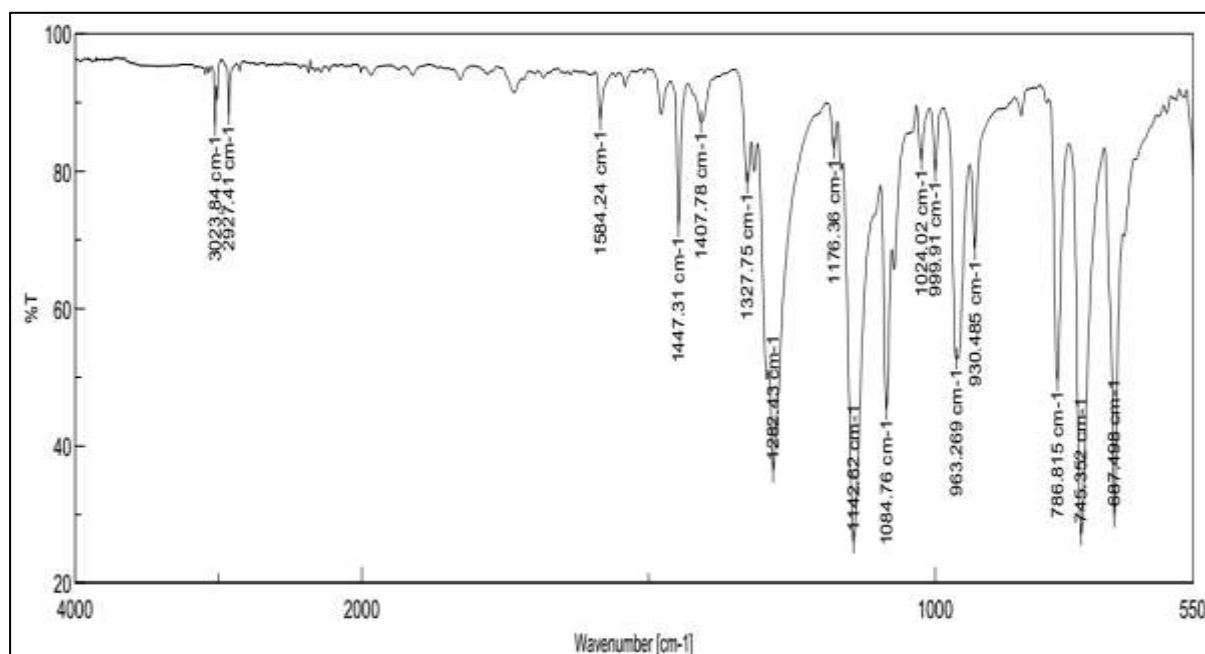
2) FTIR Spectra,GC-MS and MS Spectra,¹H NMR Spectra

FTIR Spectra

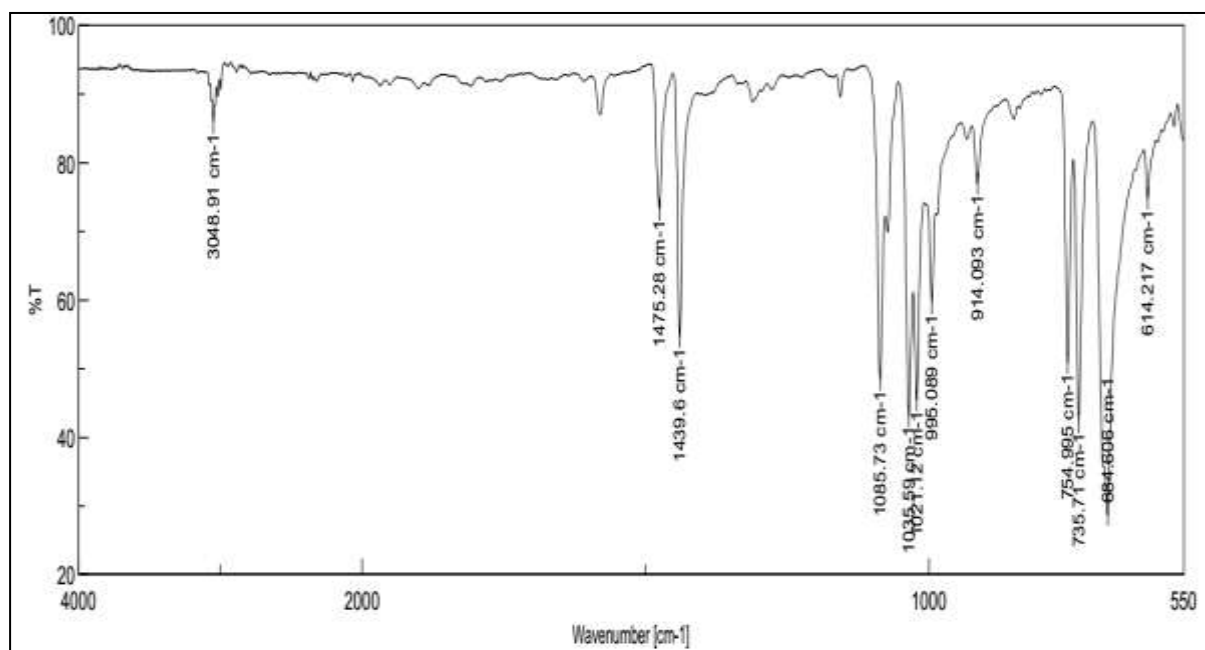
1) (methylsulfinyl)benzene (2a)



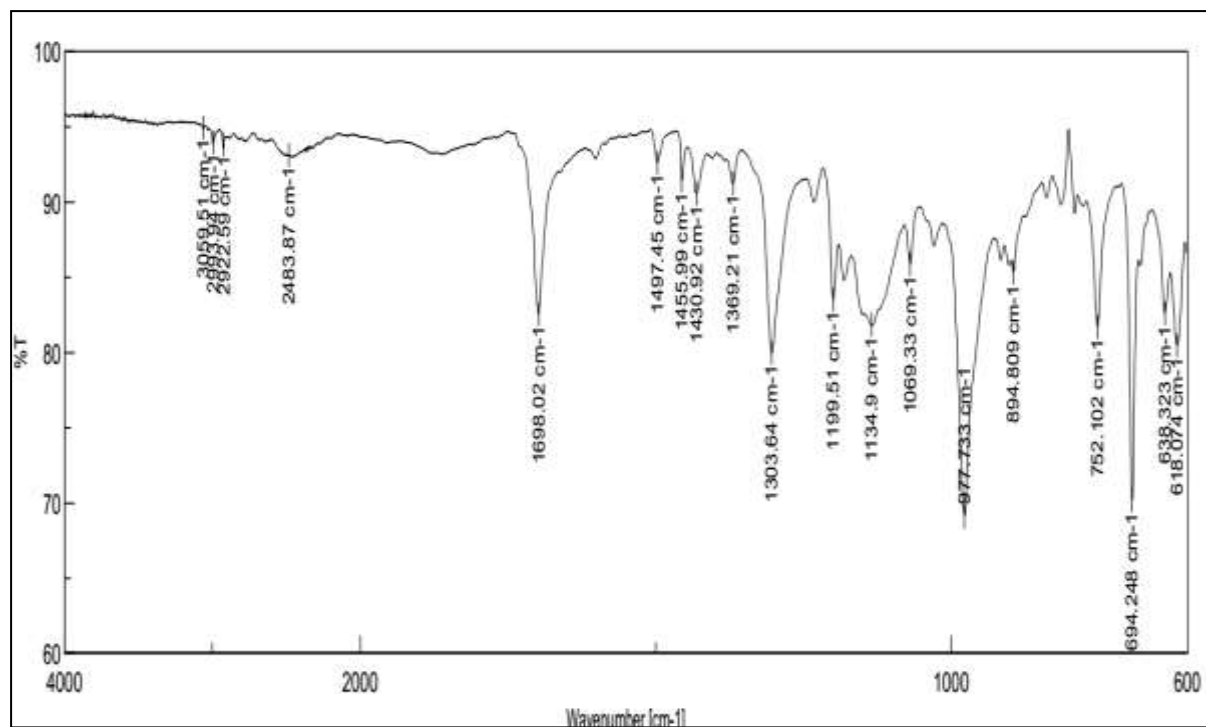
2) (methylsulfonyl)benzene (3a)



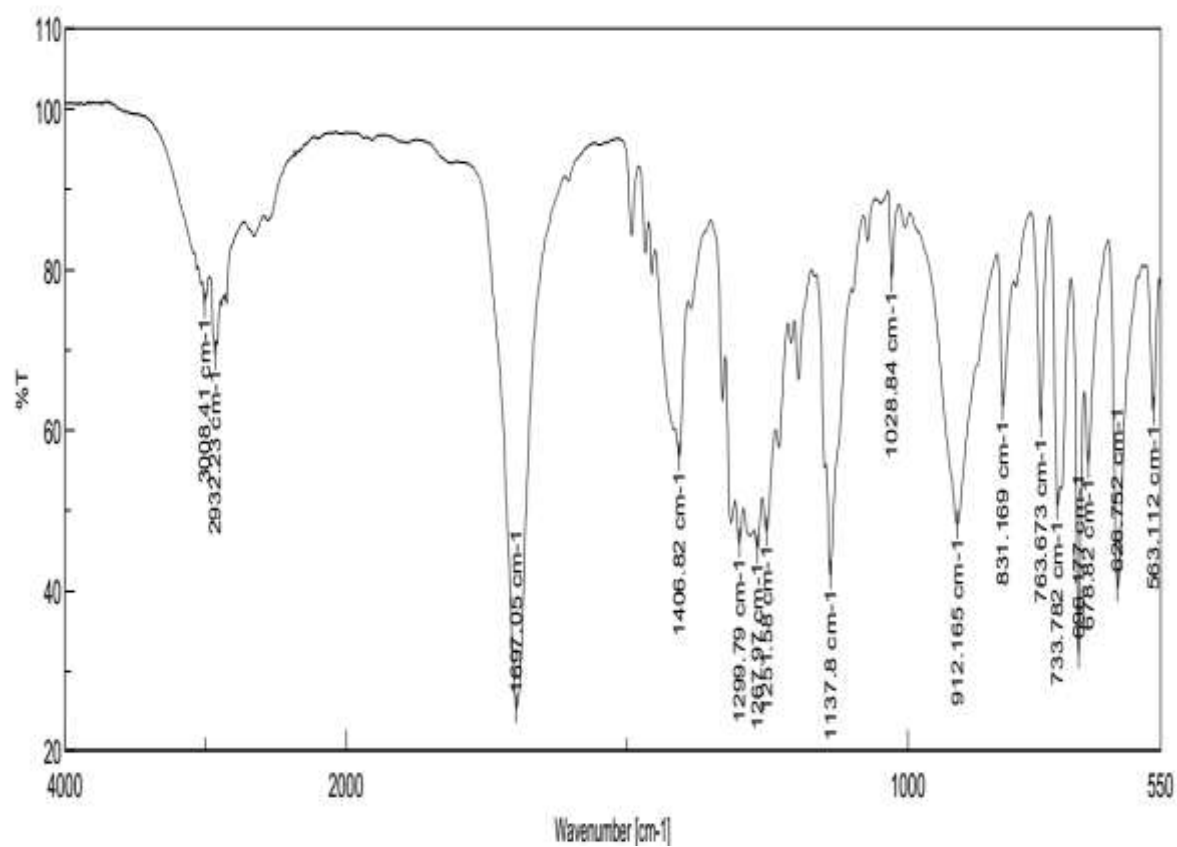
3) Sulfinyldibenzene (2b):



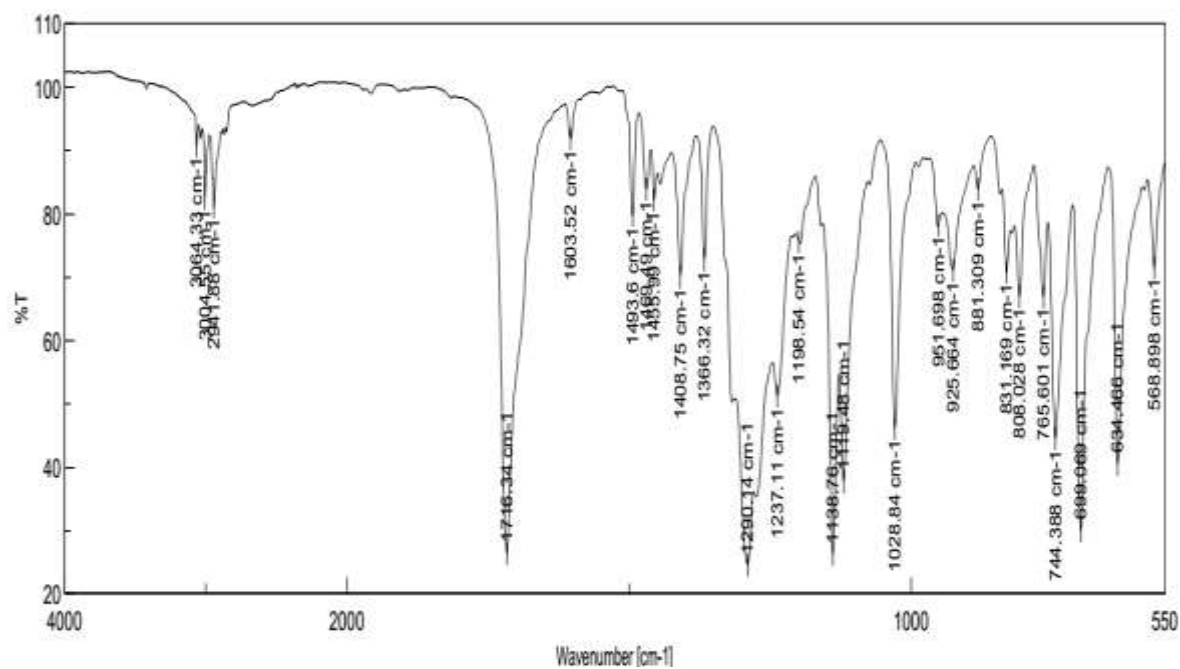
4) 2-(benzylsulfinyl) acetic acid(2c)



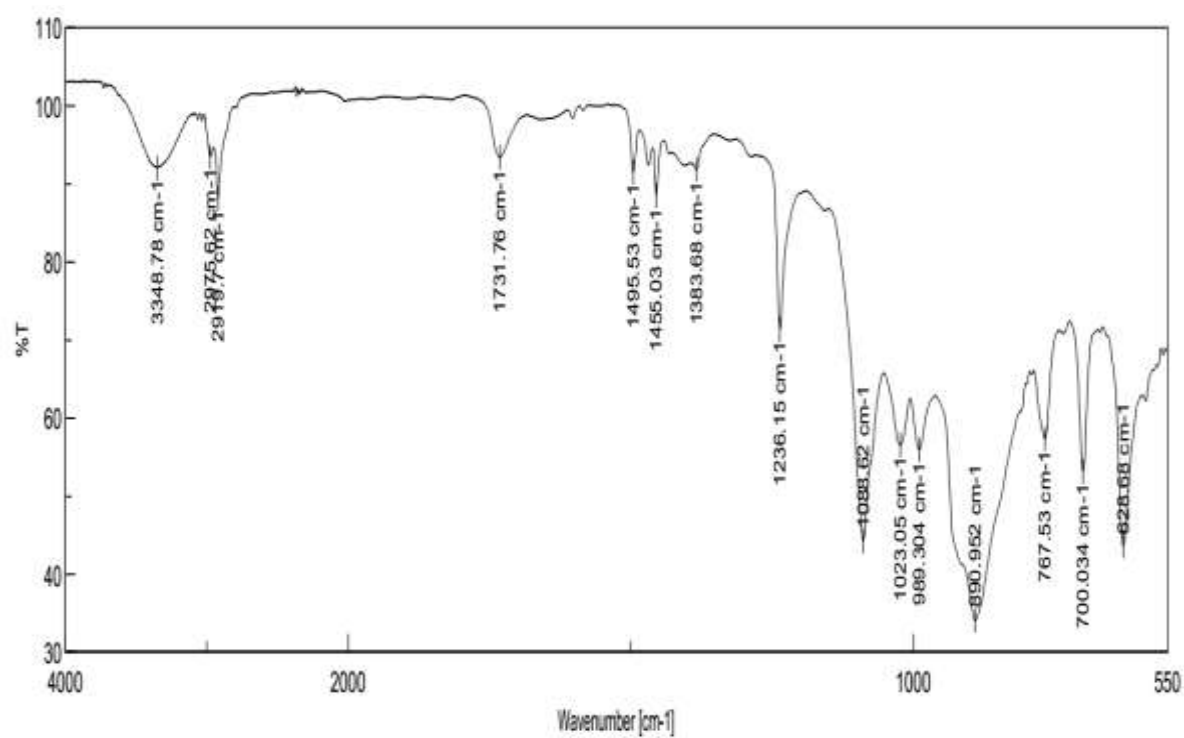
5) (benzylsulfonyl)acetic acid (3c):



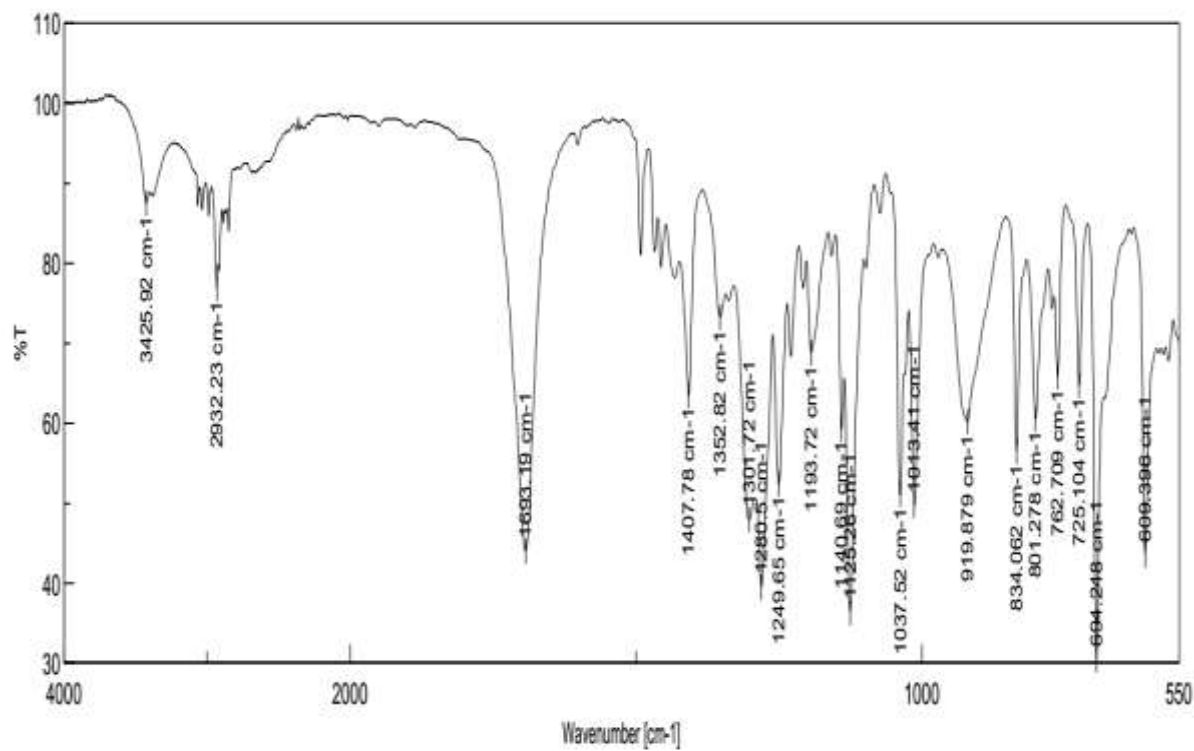
6) Ethyl 2-benzylsulfonyl)acetate (3d)



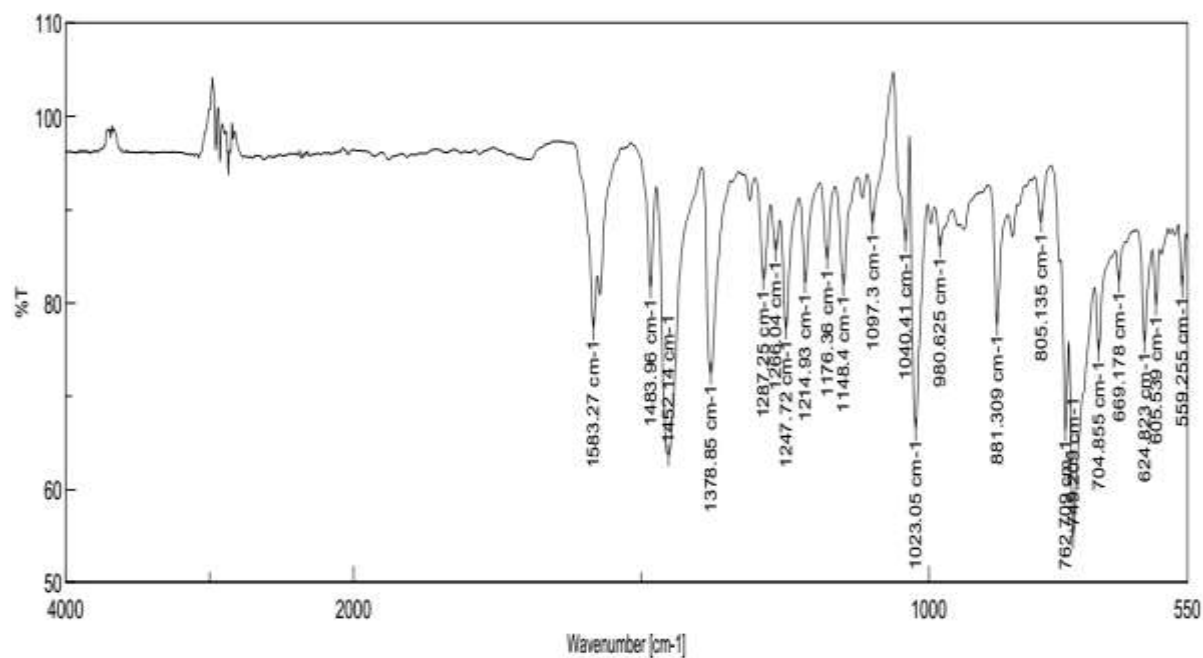
7) 2-(benzylsulfinyl) ethanol (2e):



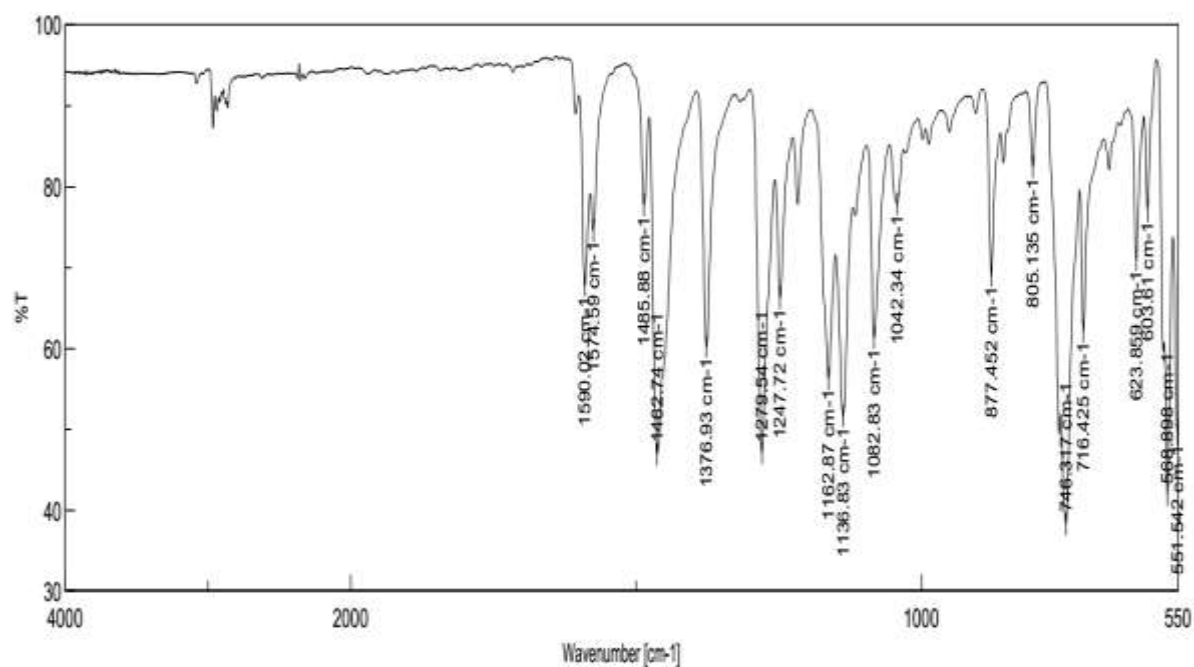
8) 2-(benzylsulfonyl) ethanol (3e):



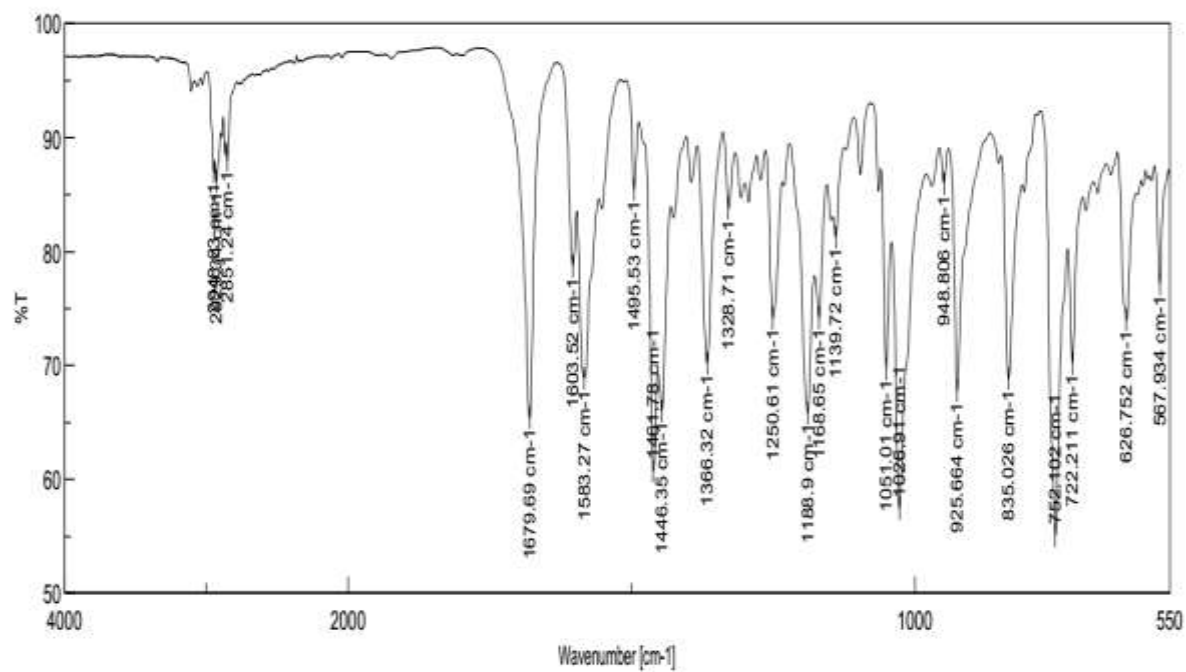
9) 10-butyl-10H-phenothiazine 5-oxide (2f):



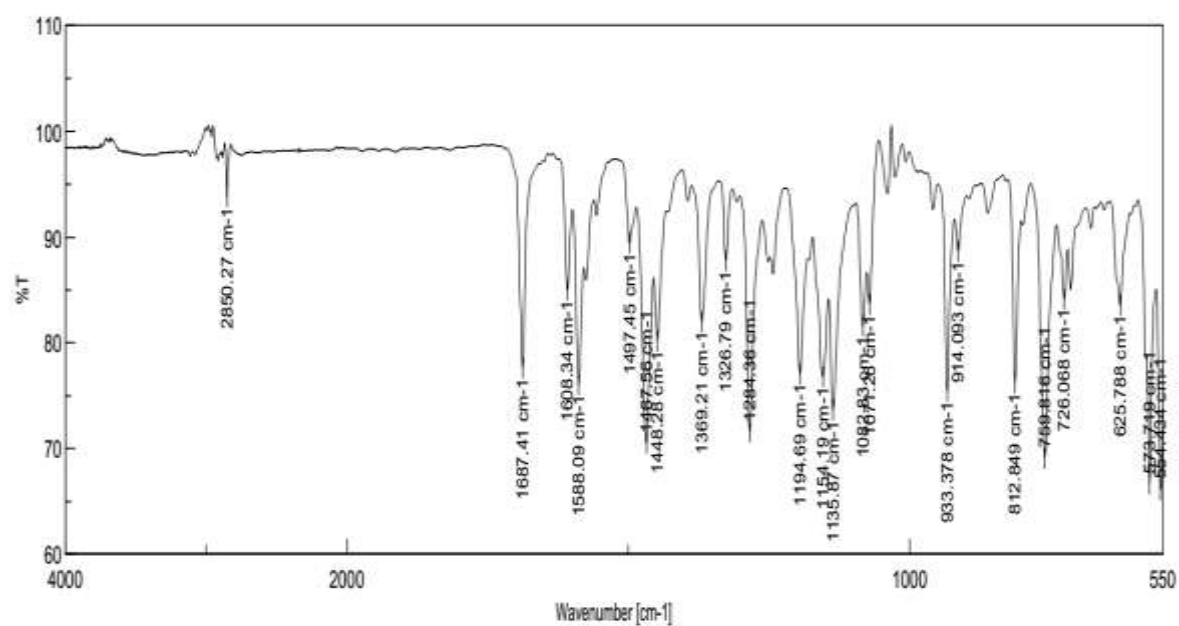
10)10-butyl-10H-phenothiazine 5,5-dioxide (3f):



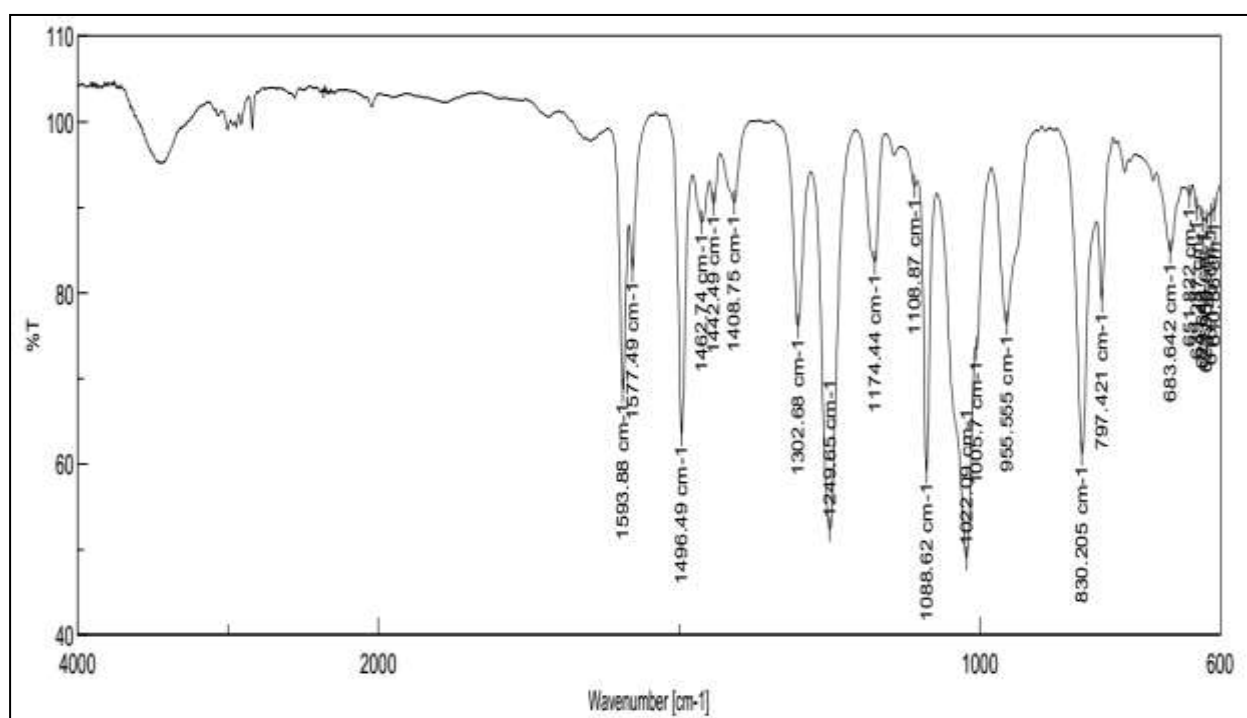
11) 10-hexyl-10H-phenothiazine-3-carbaldehyde 5-oxide(2g)



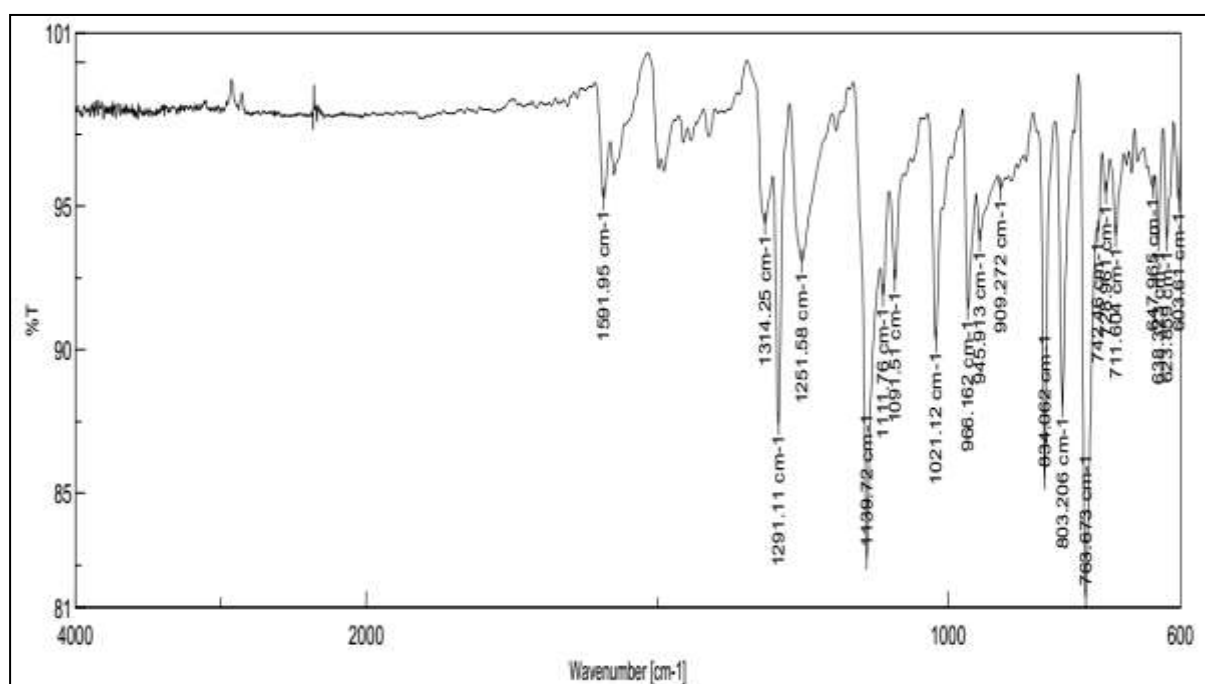
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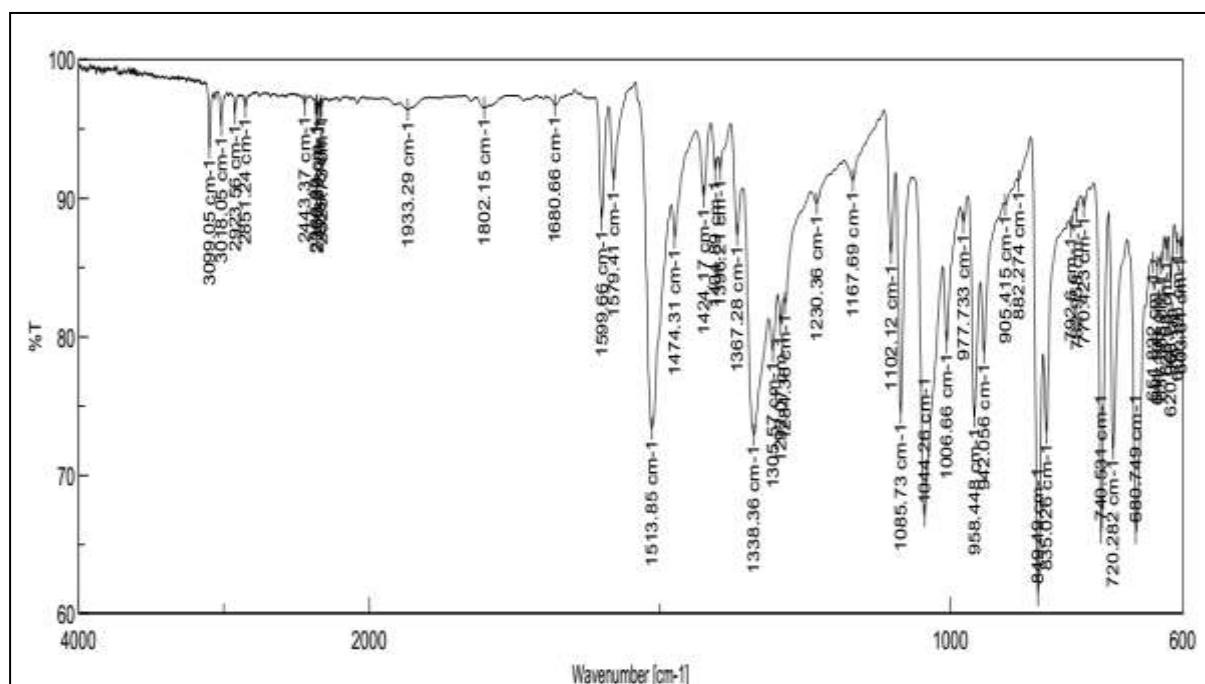
13) 1-methoxy-4-(methylsulfinyl)benzene (2h)



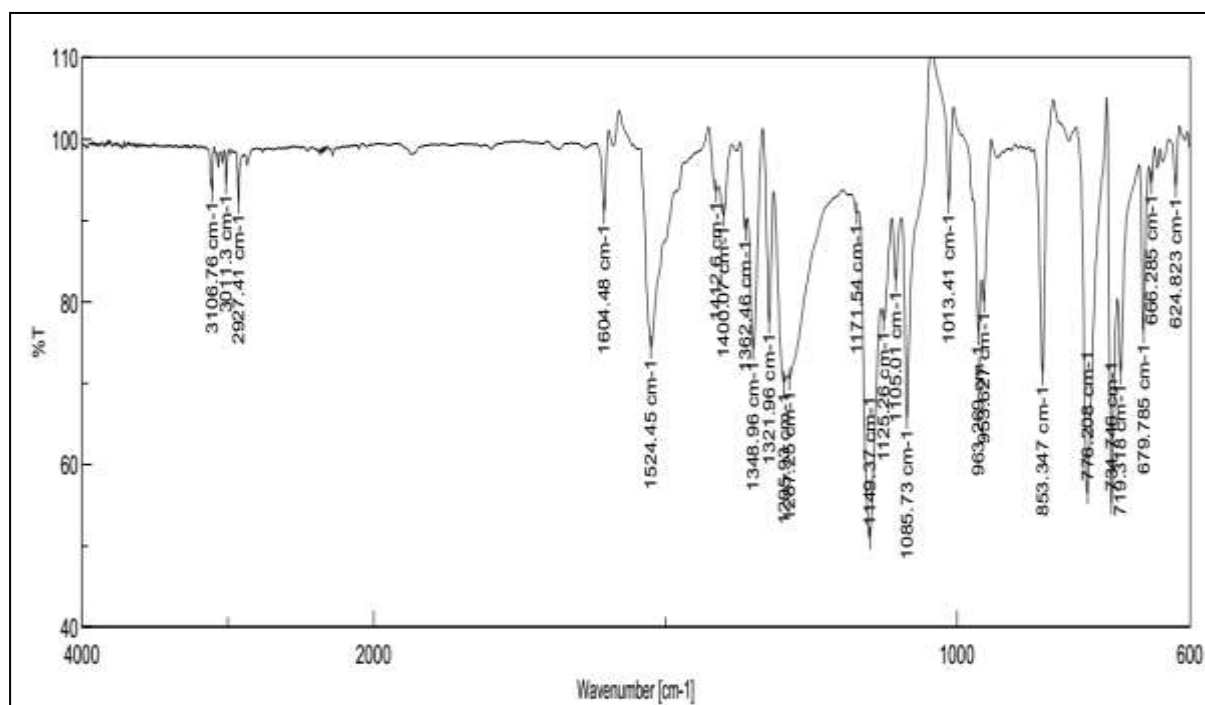
14) 1-methoxy-4-(methylsulfonyl)benzene (3h):



15) 1-(methylsulfinyl)-4-nitrobenzene(2i)

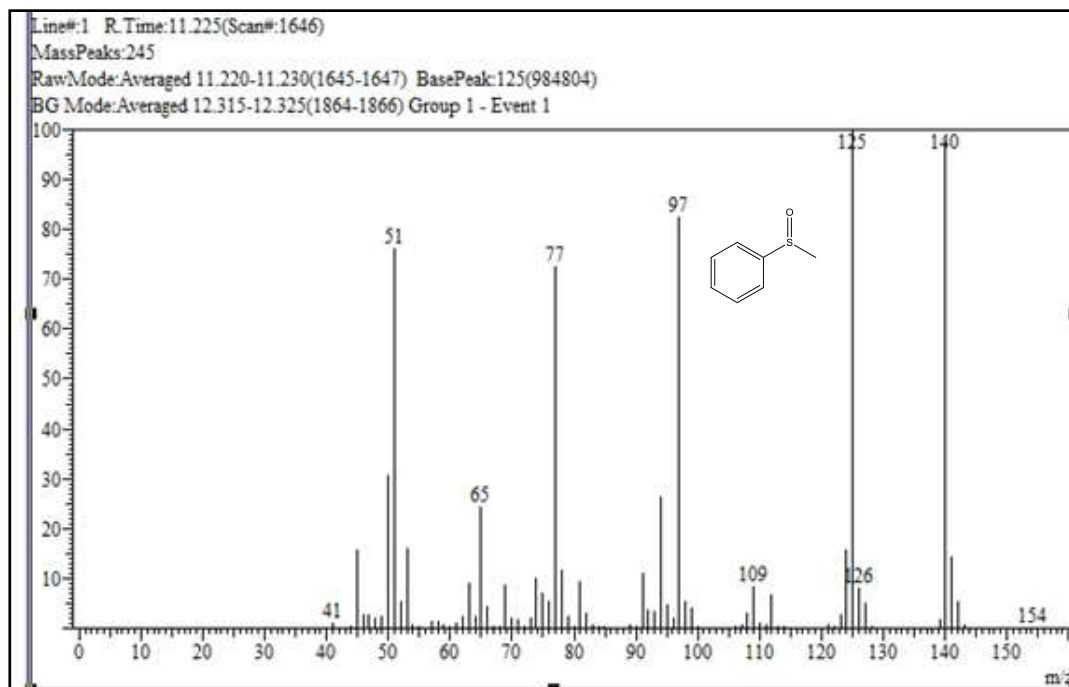


16) 1-(methylsulfonyl)-4-nitrobenzene(3i)

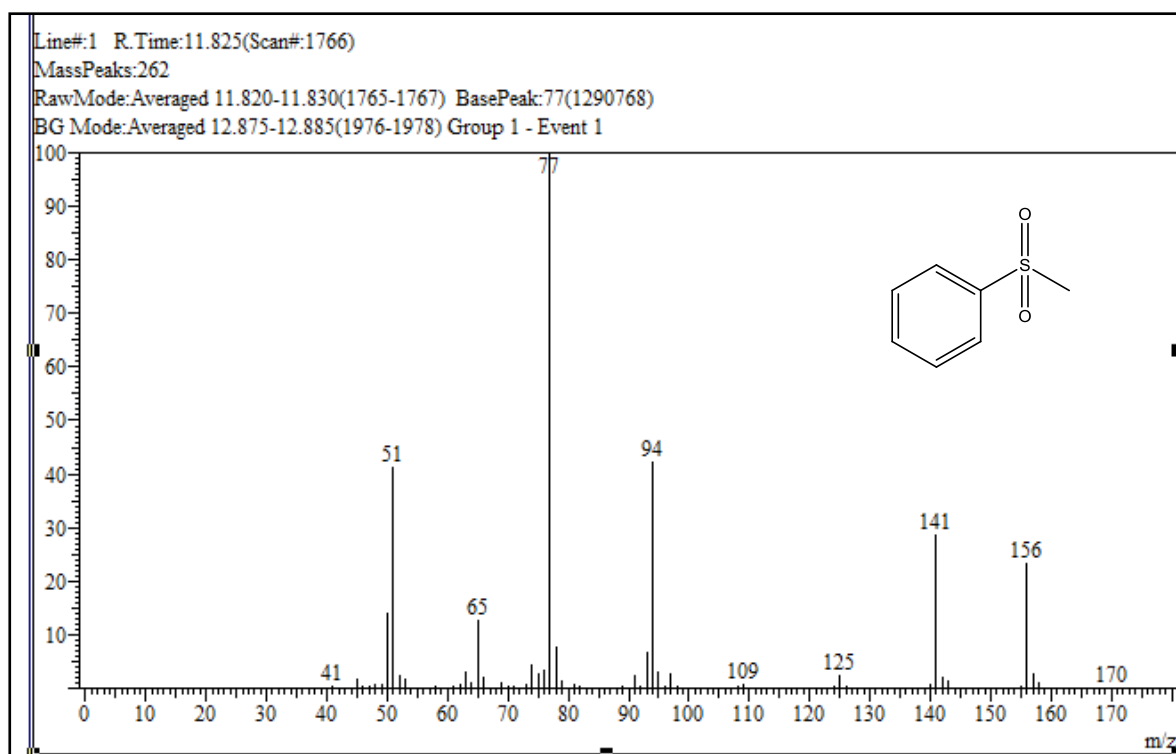


EIMS/GCMS Spectra

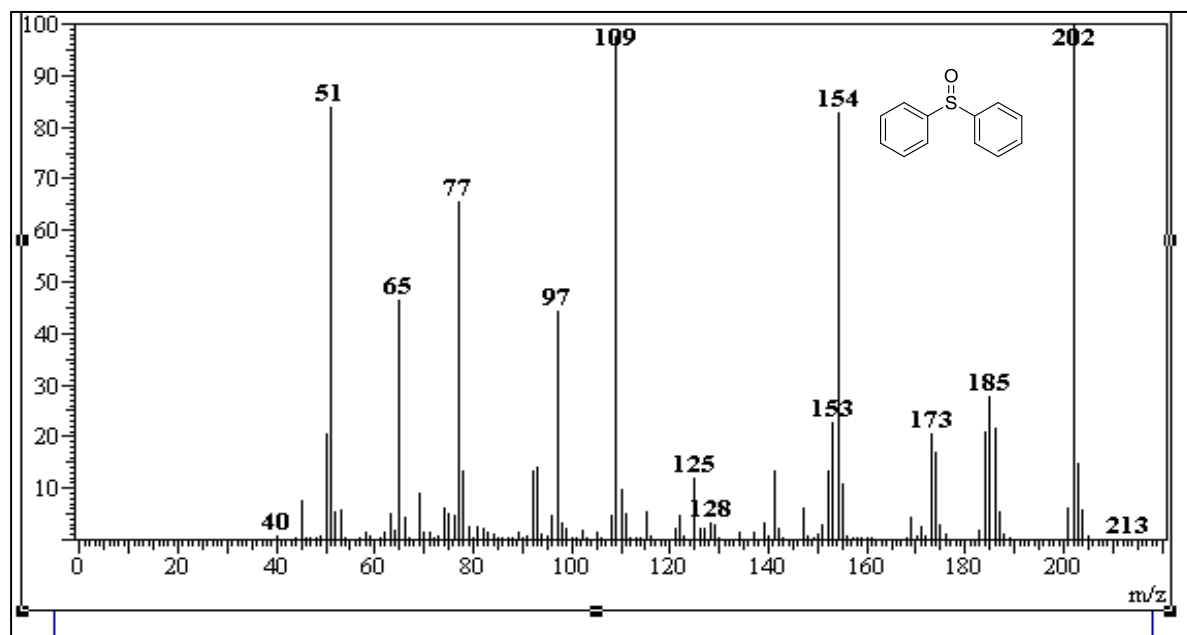
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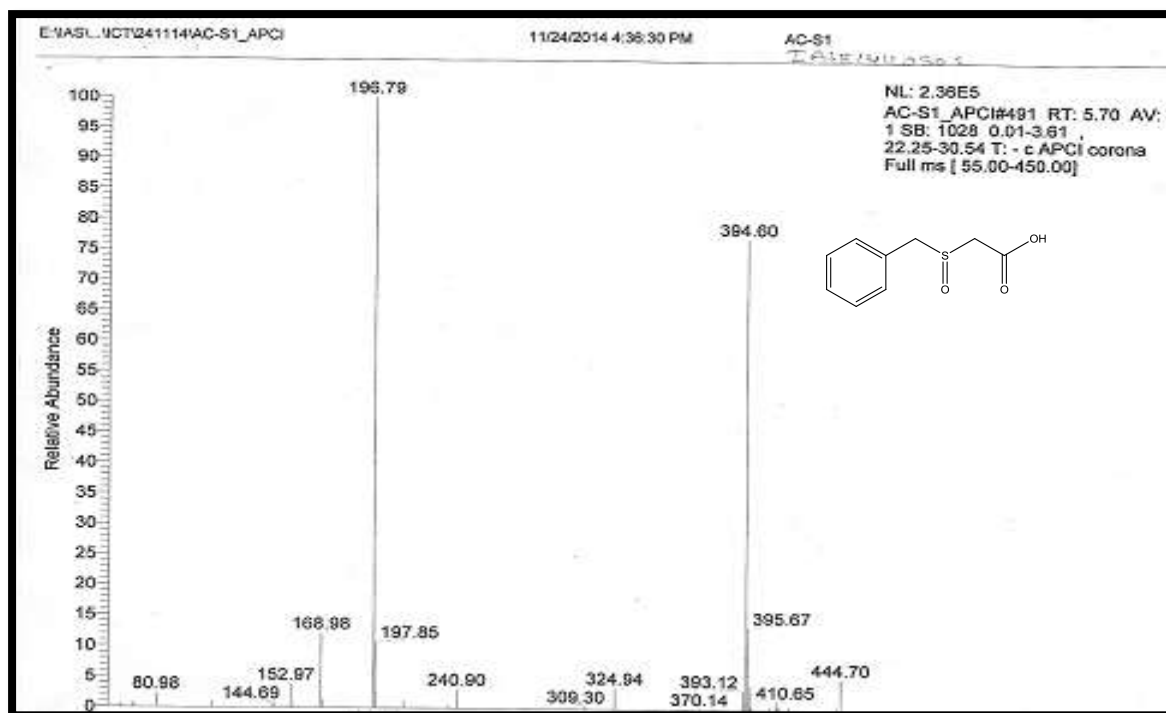
2) (methylsulfonyl)benzene (3a)



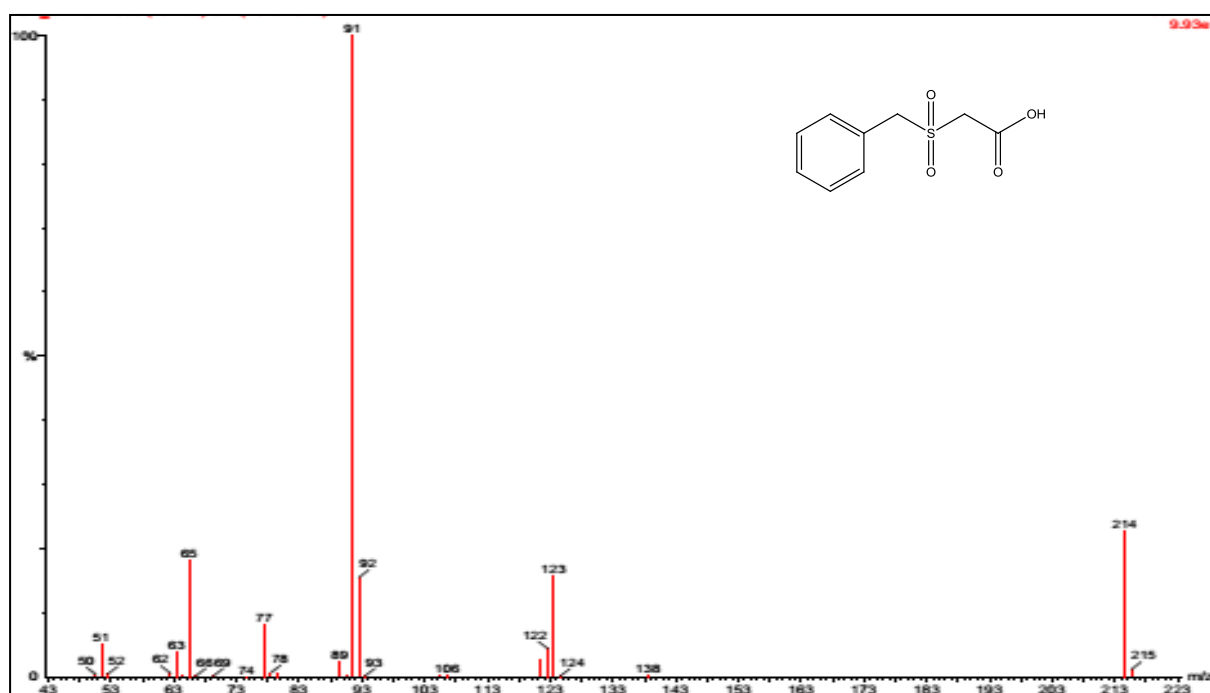
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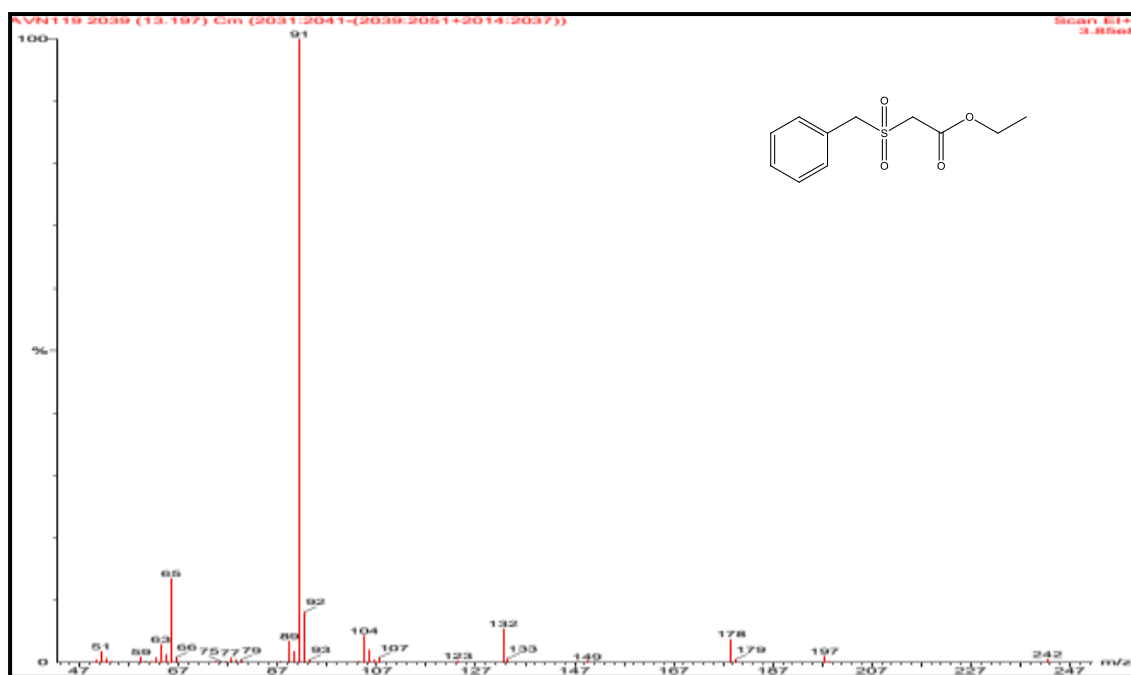
4) 2-(benzylsulfinyl)acetic acid(2c)



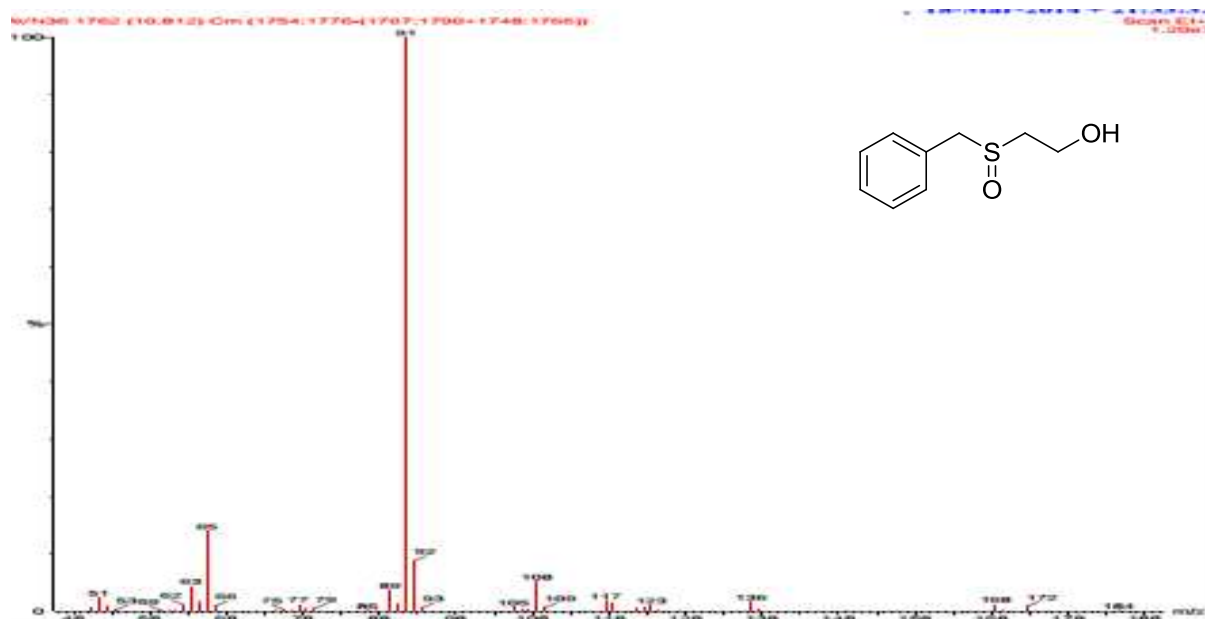
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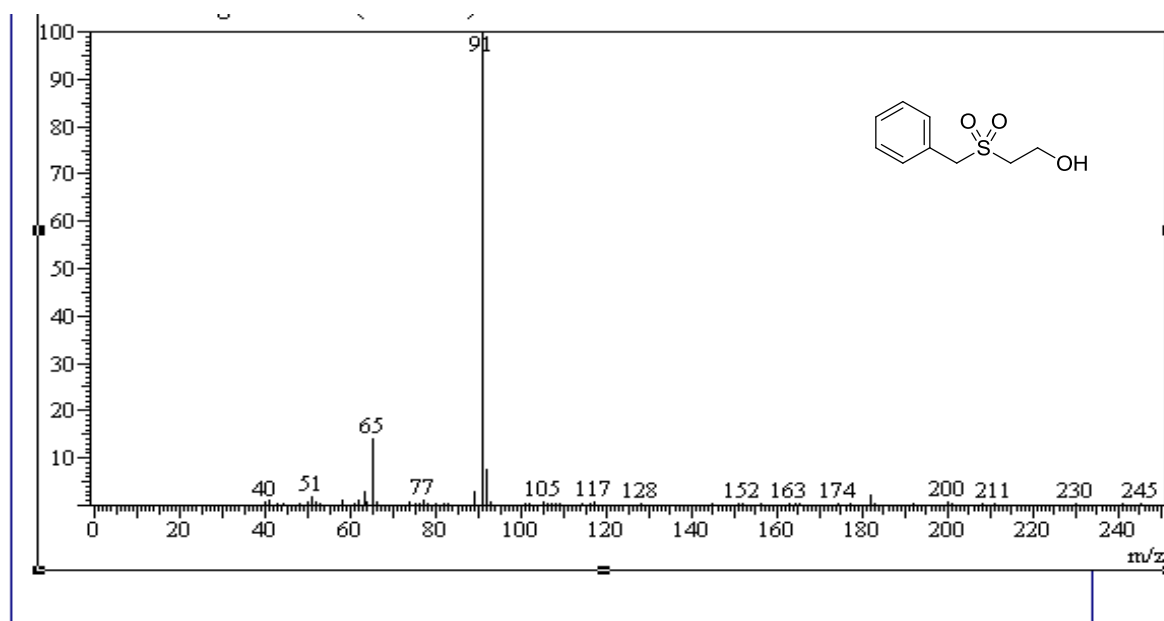
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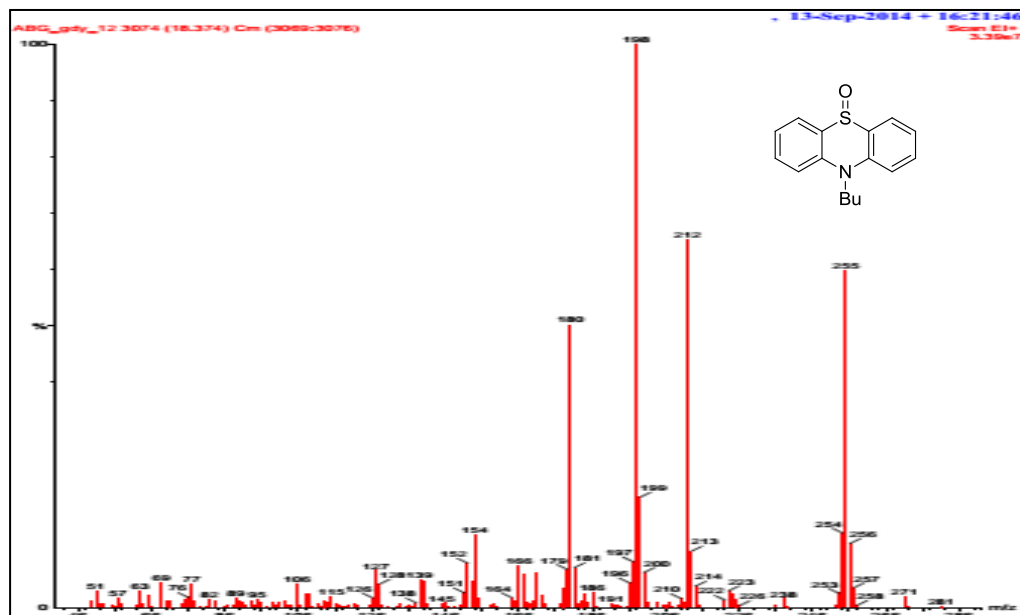
7) 2-(benzylsulfinyl) ethanol (2e)



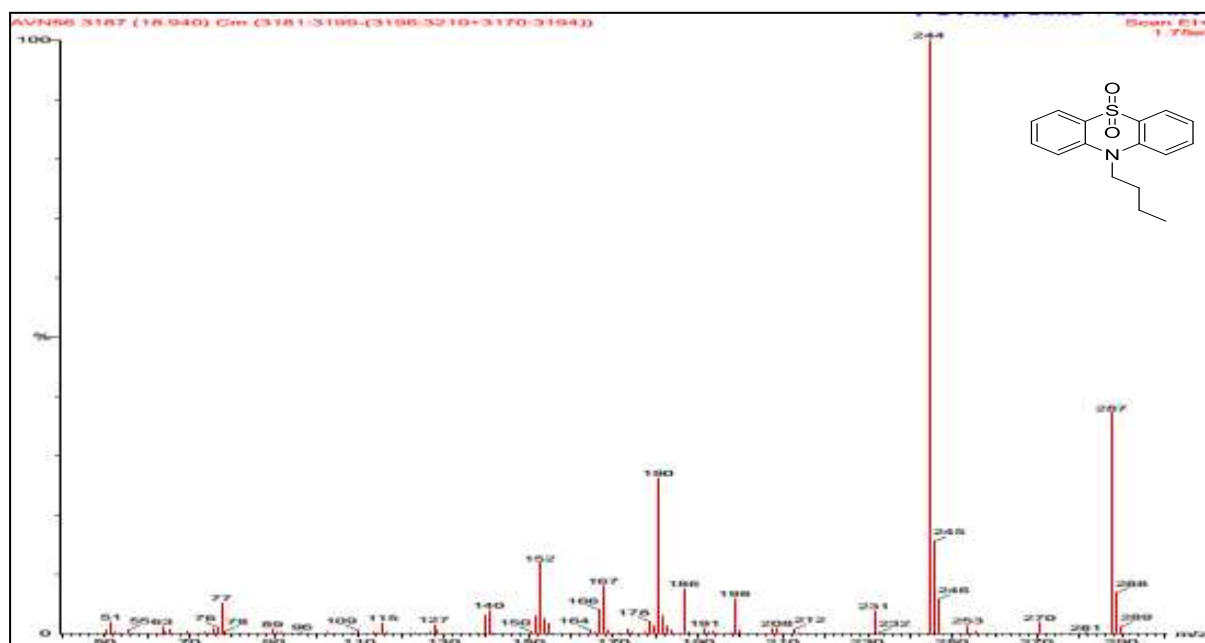
8) 2-(benzylsulfonyl) ethanol (3e)



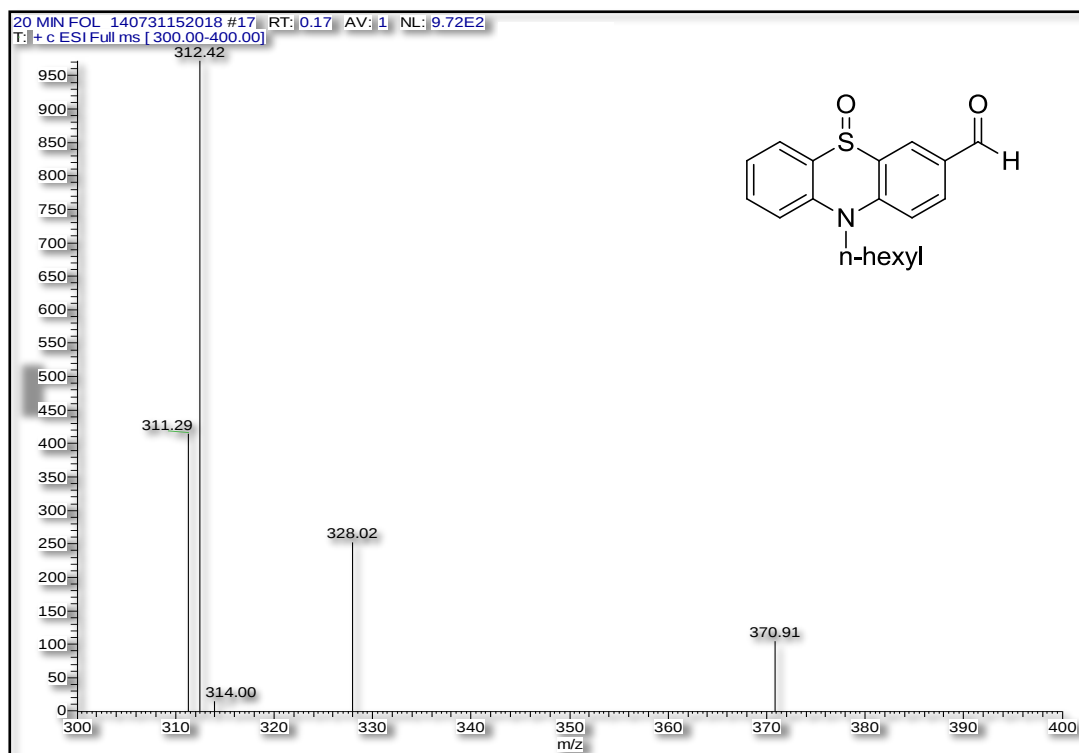
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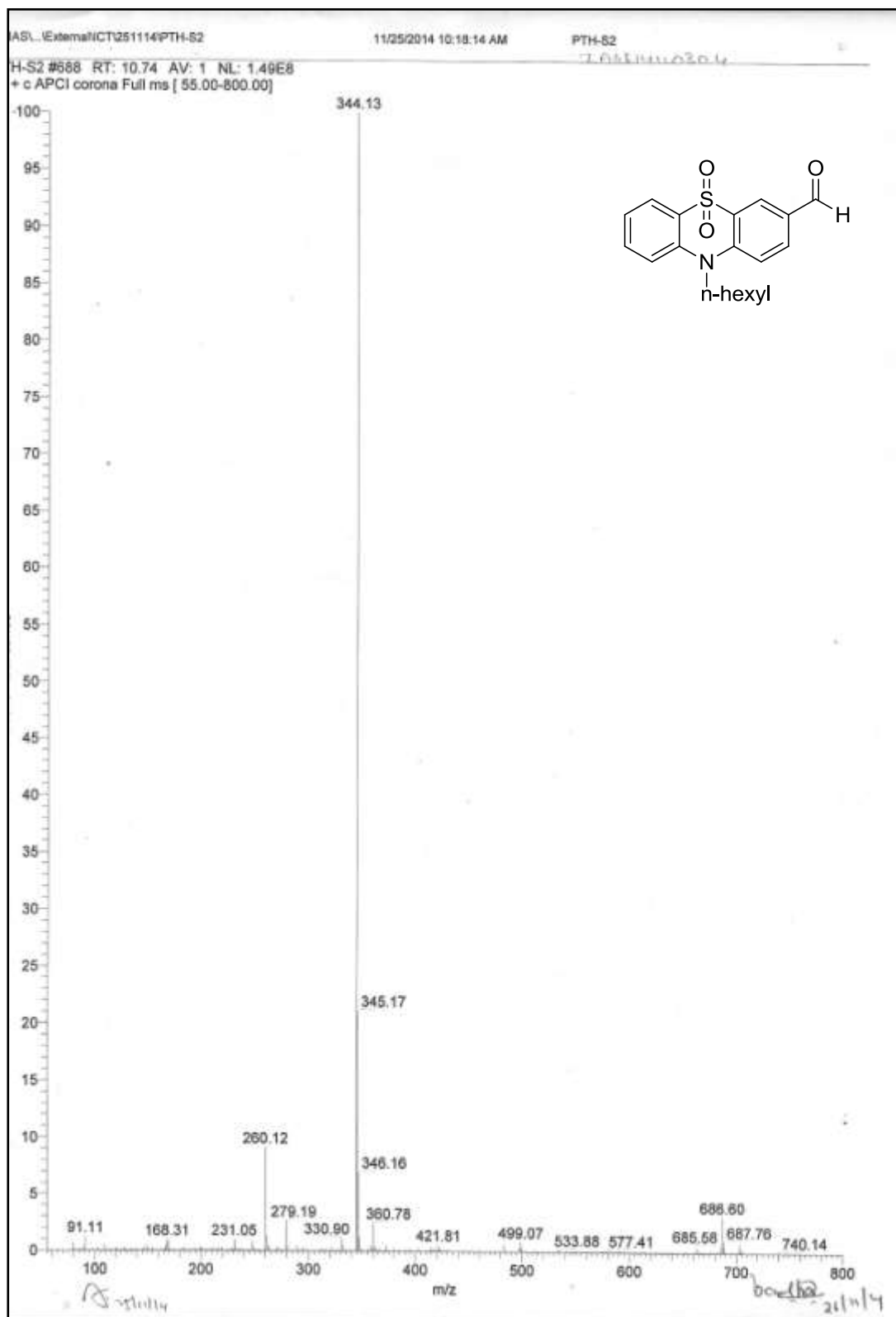
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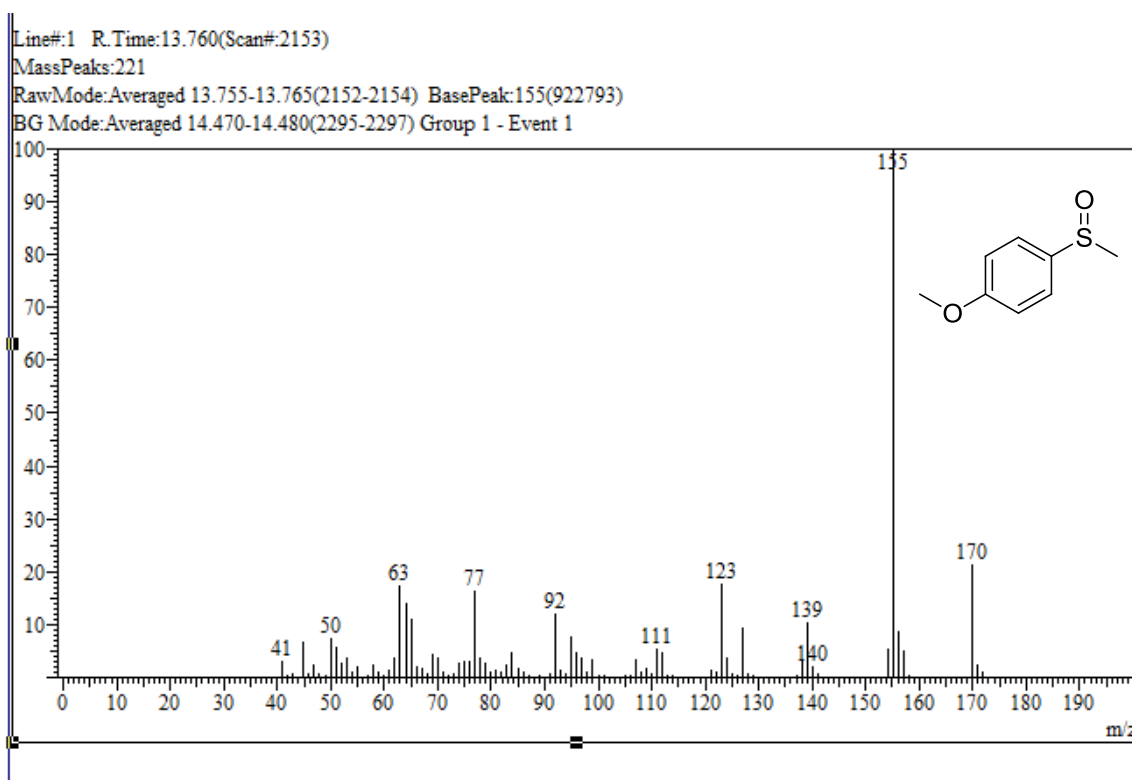
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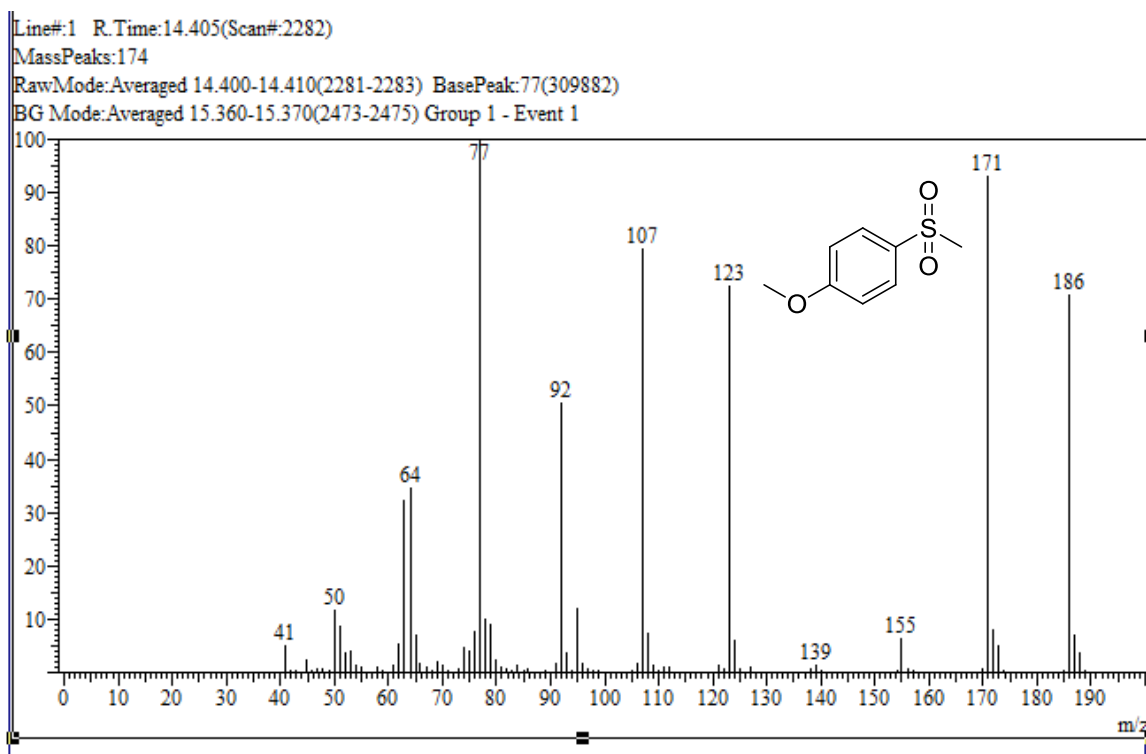
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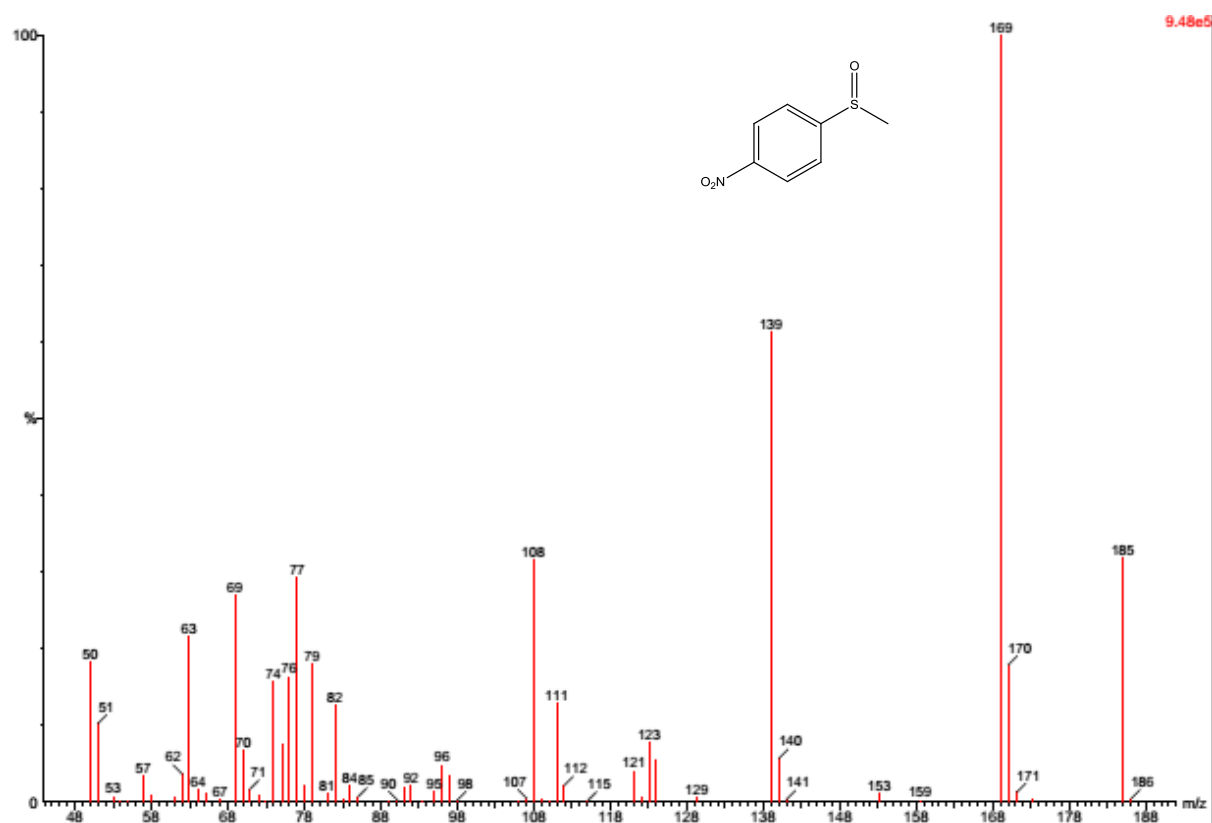
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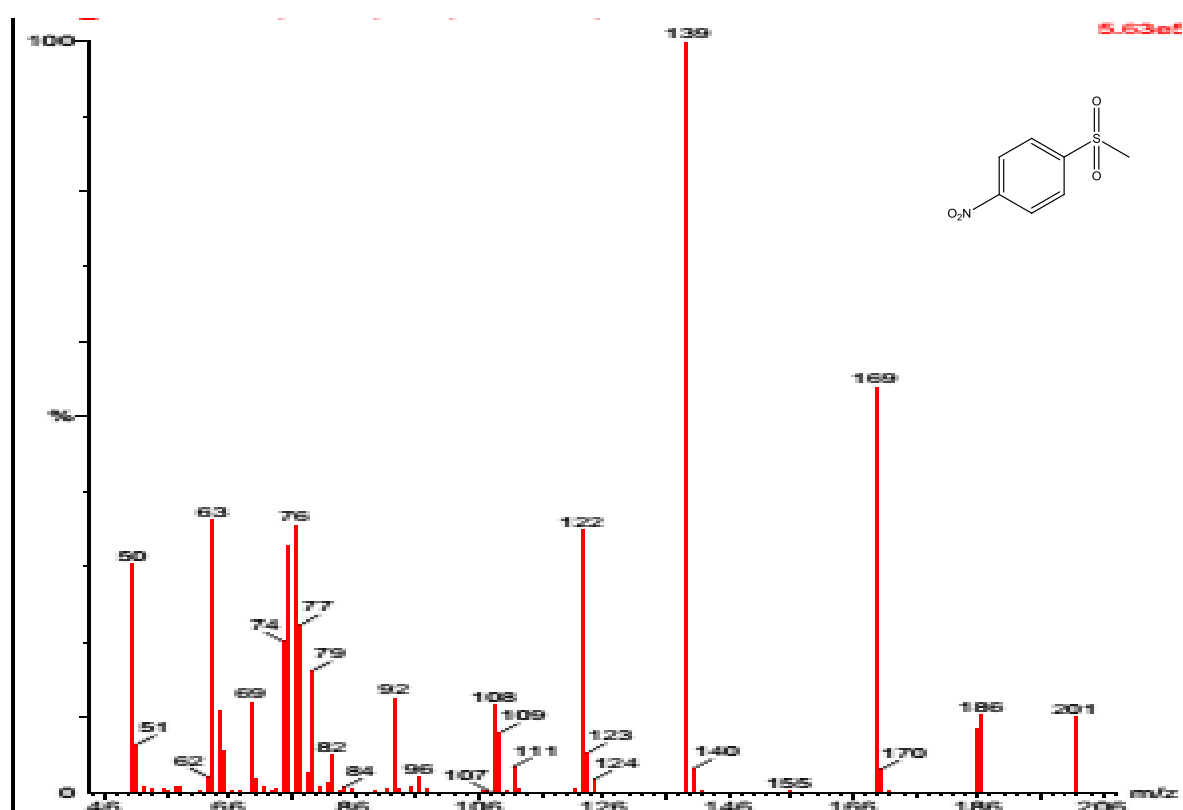
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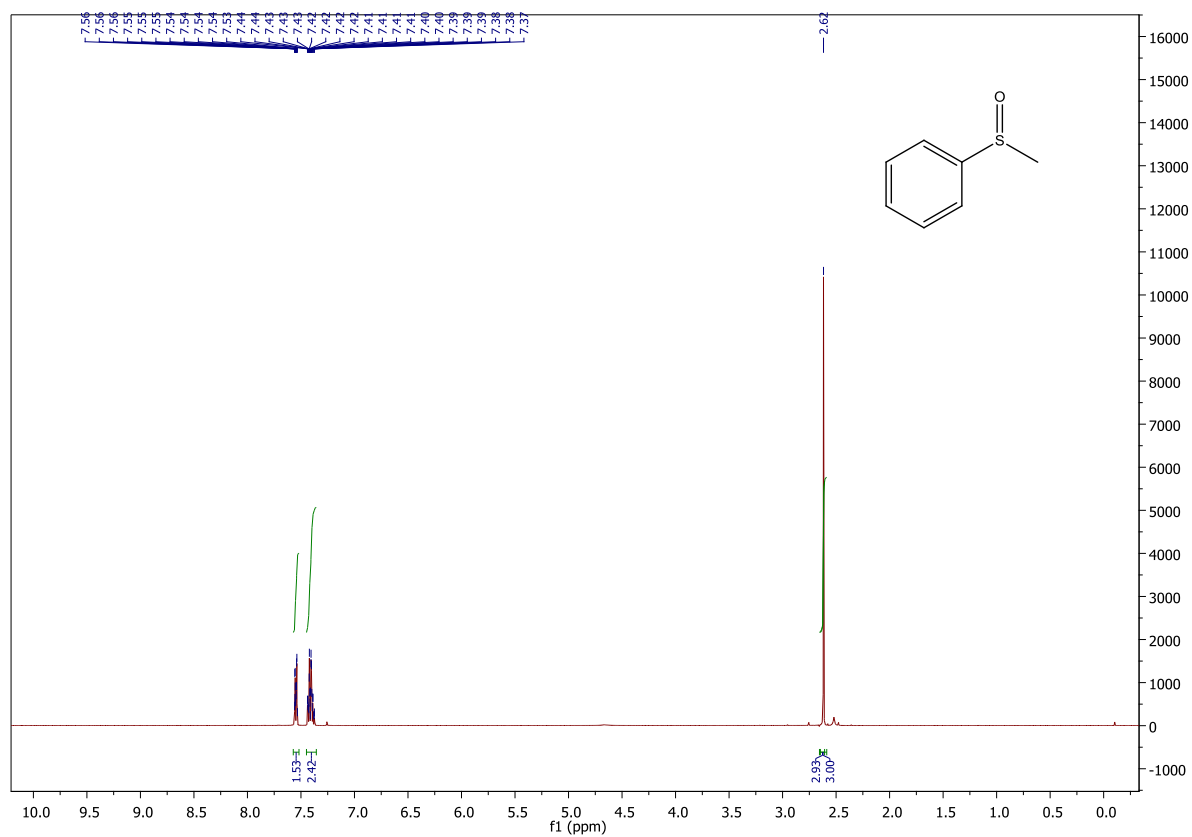


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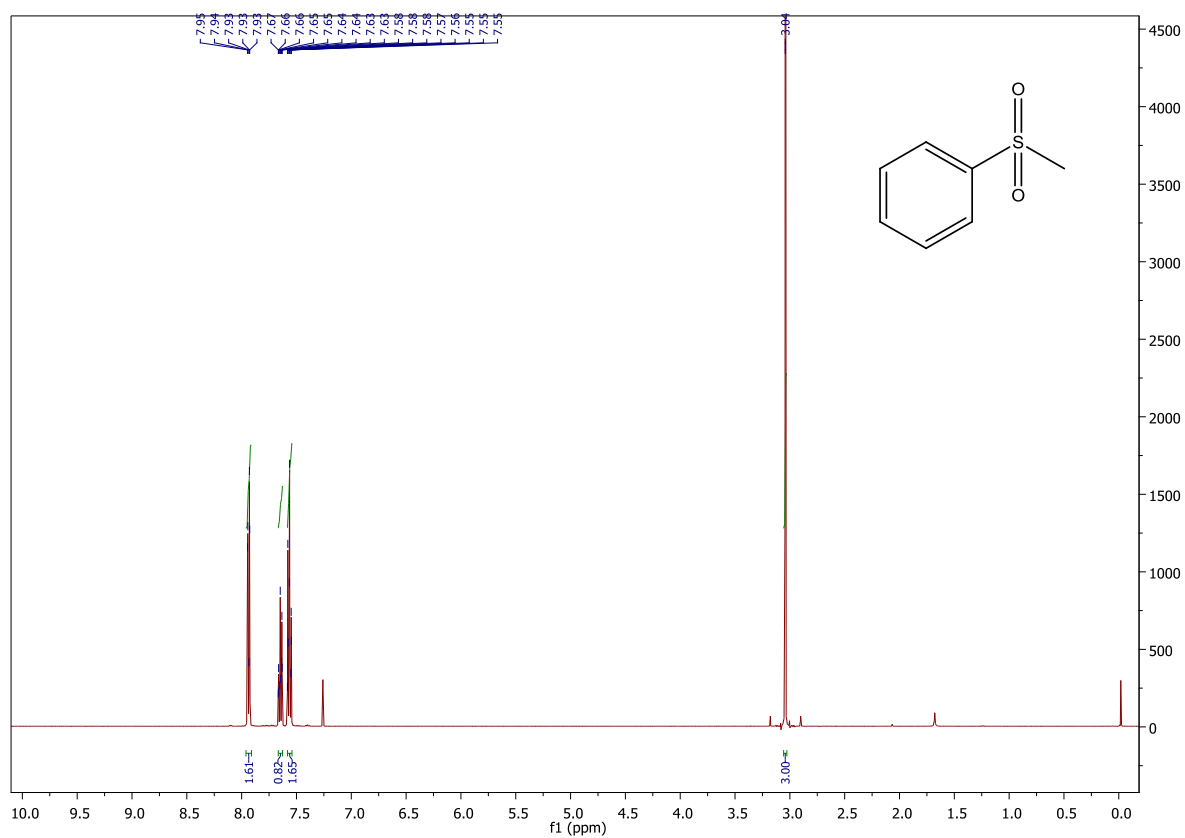


^1H -NMR

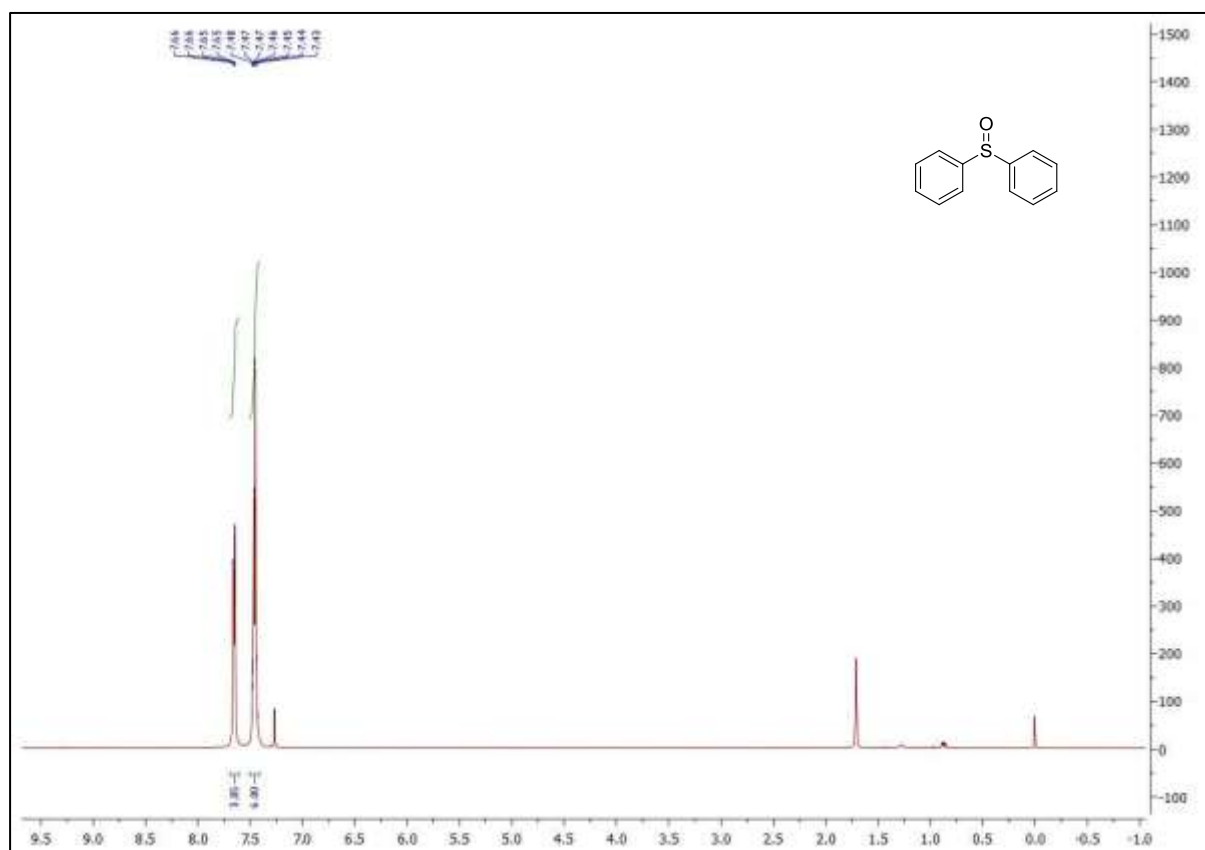
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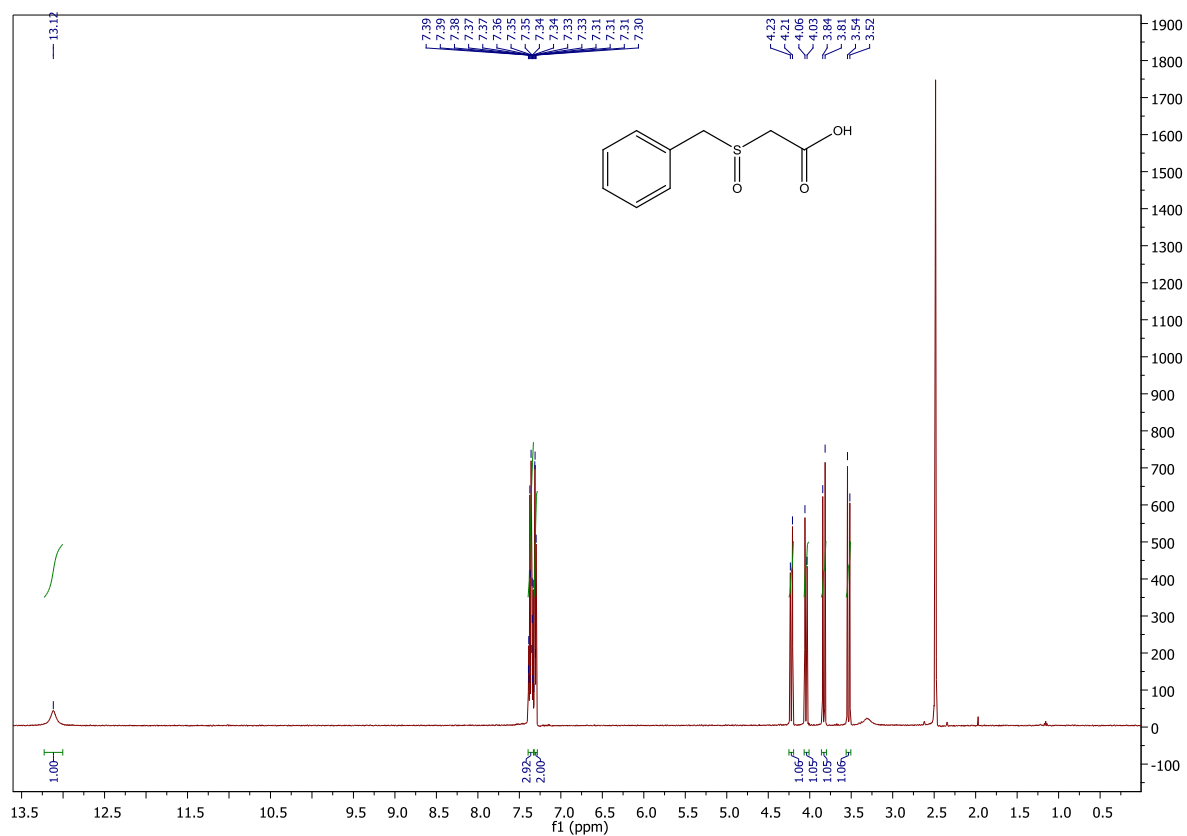
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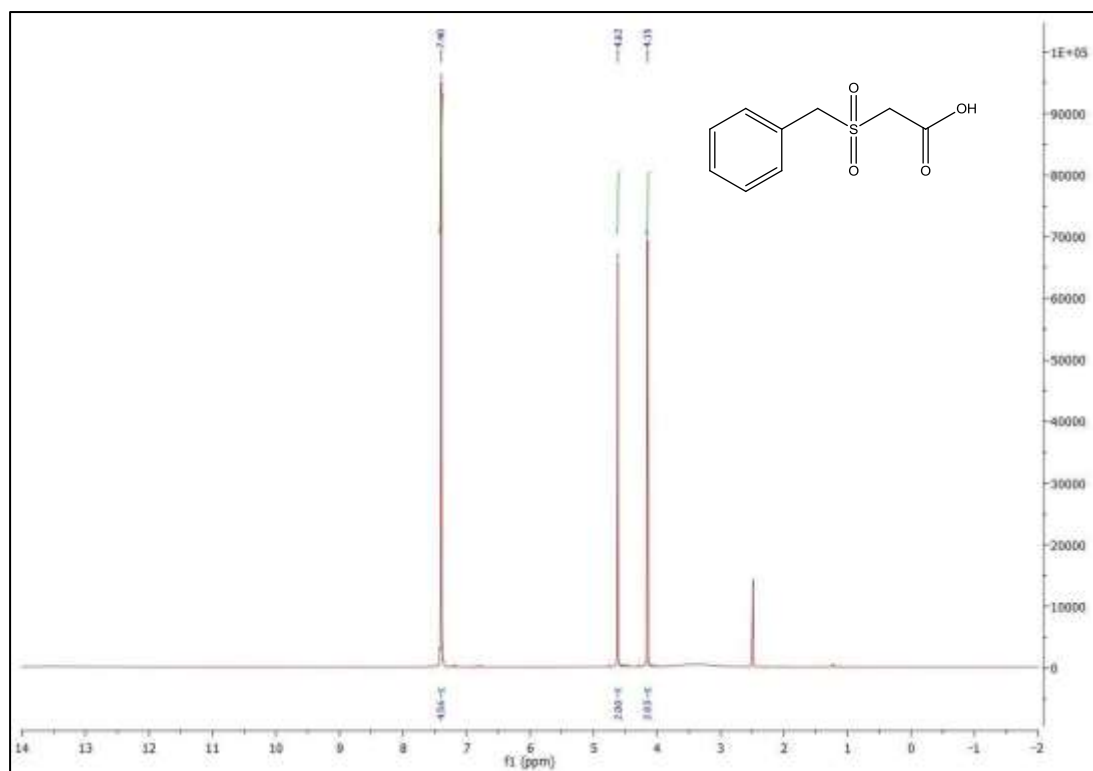
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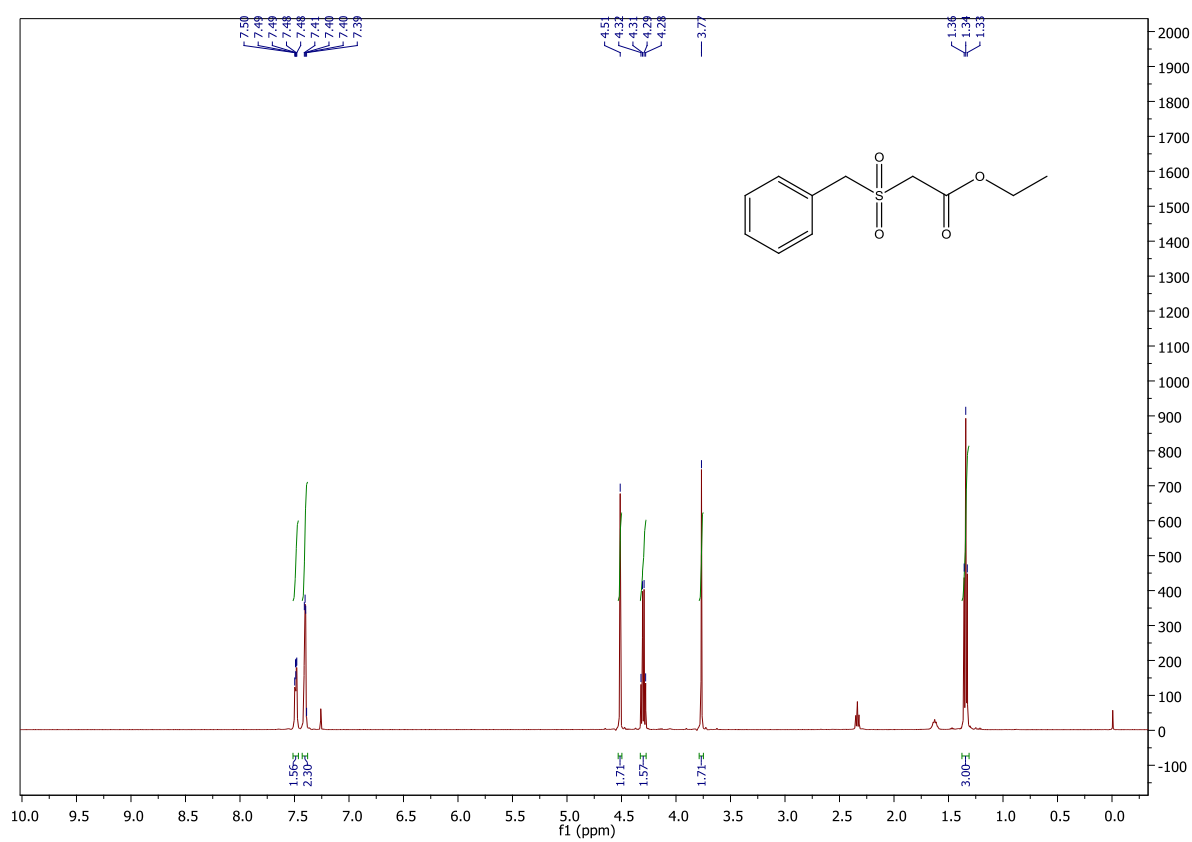


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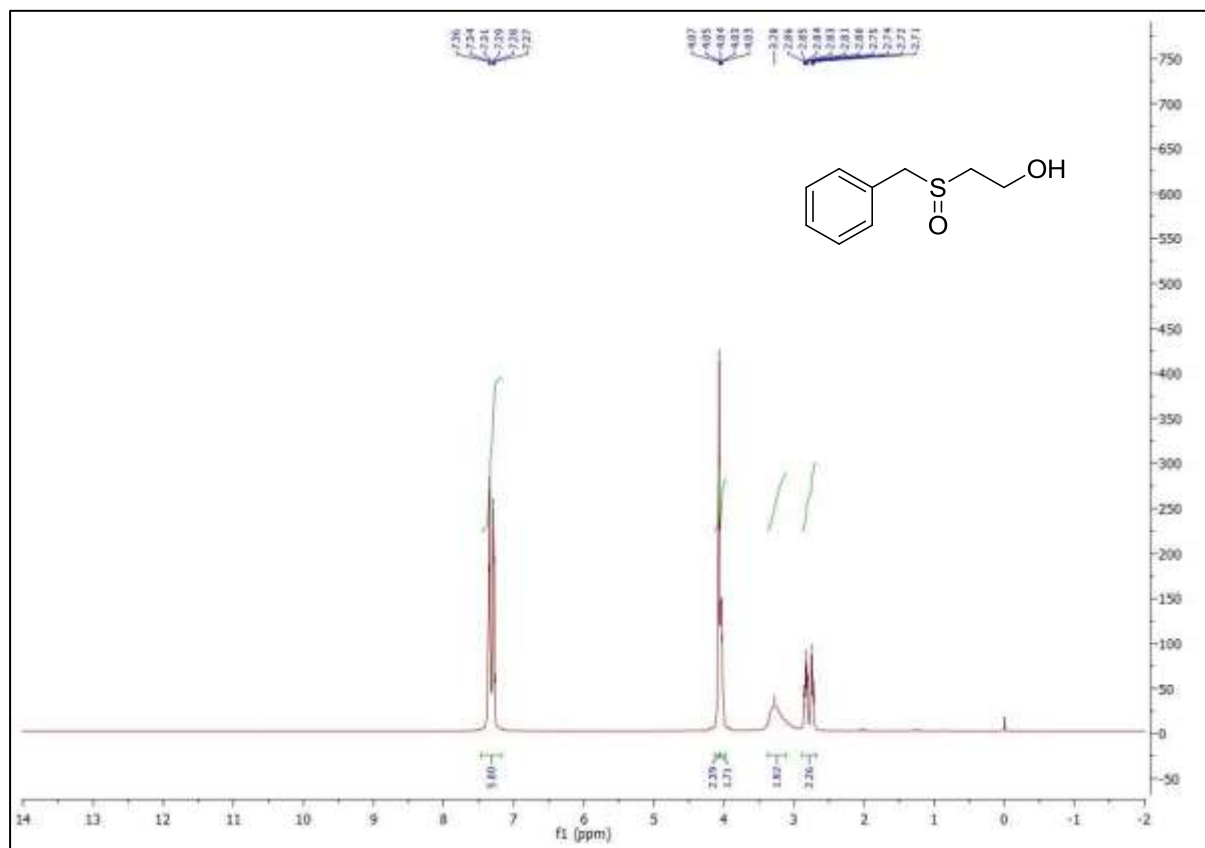


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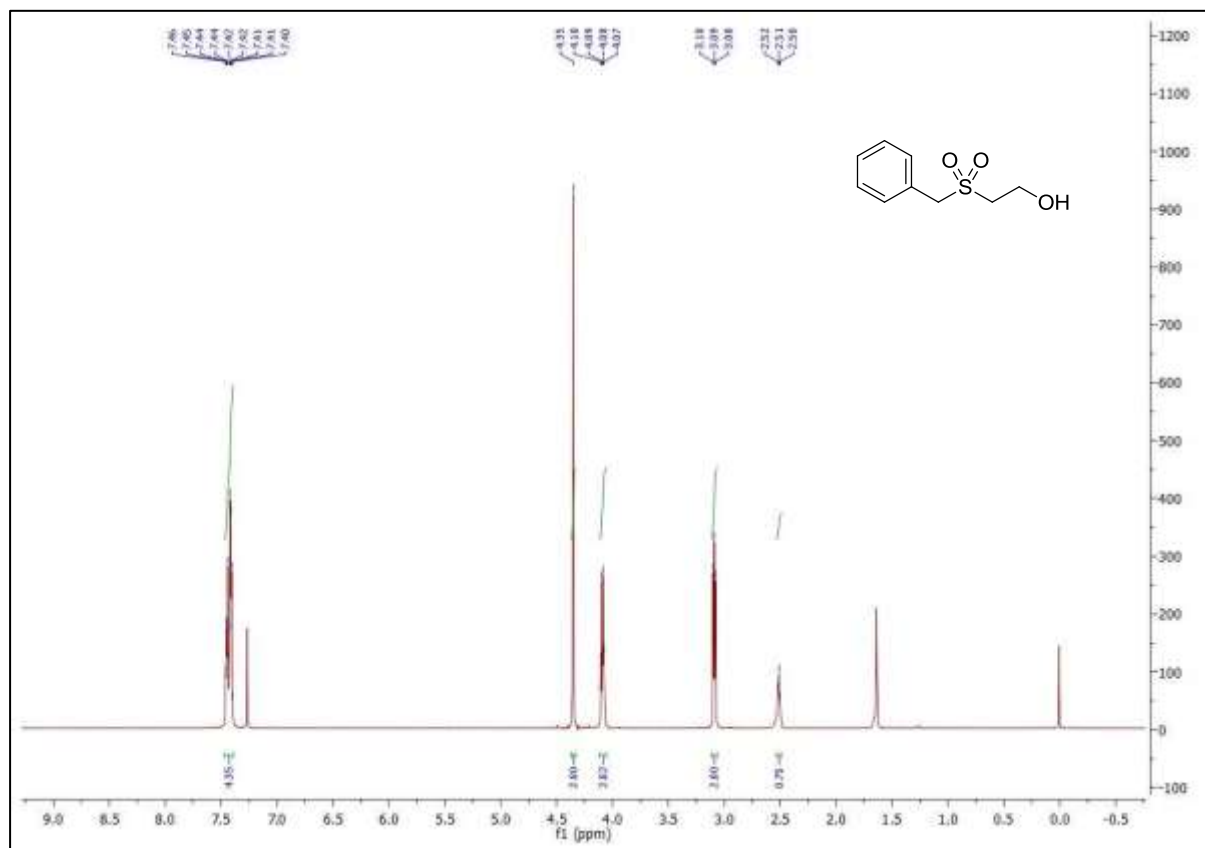


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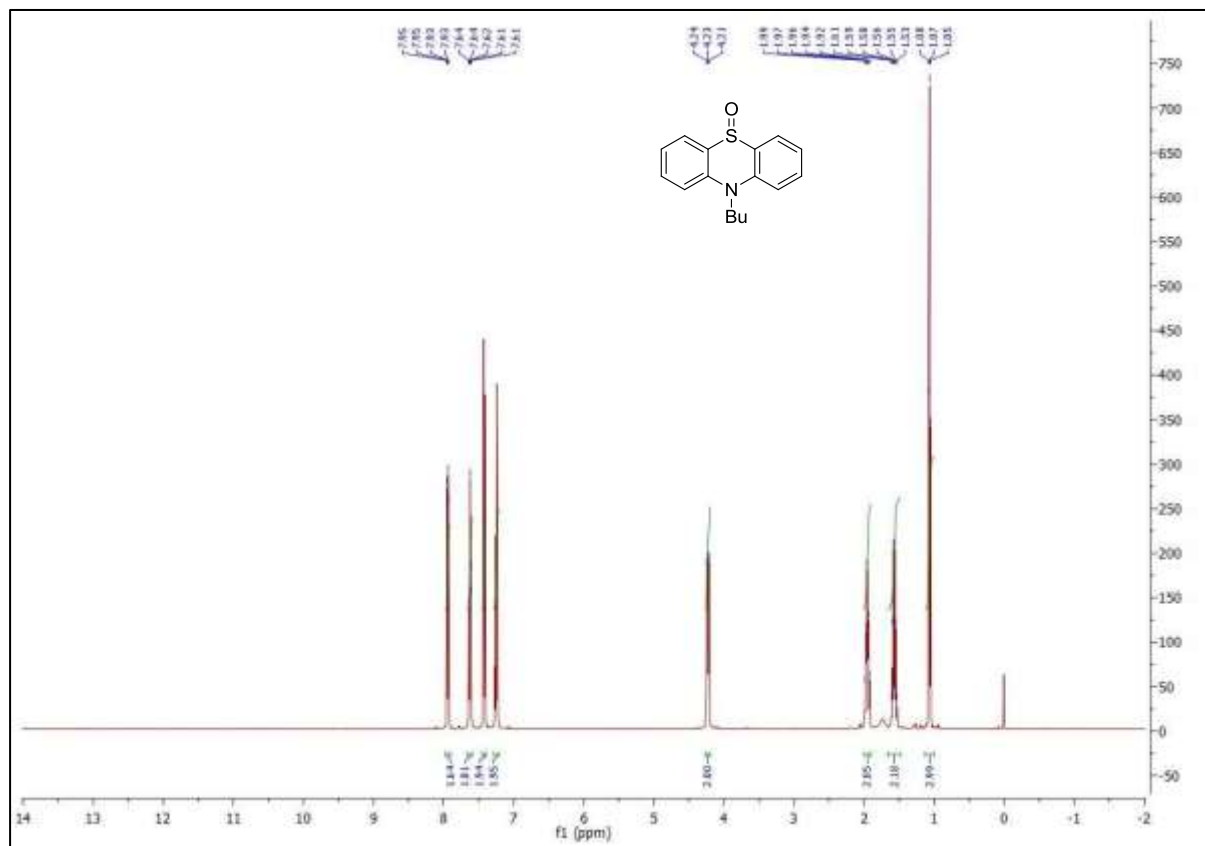
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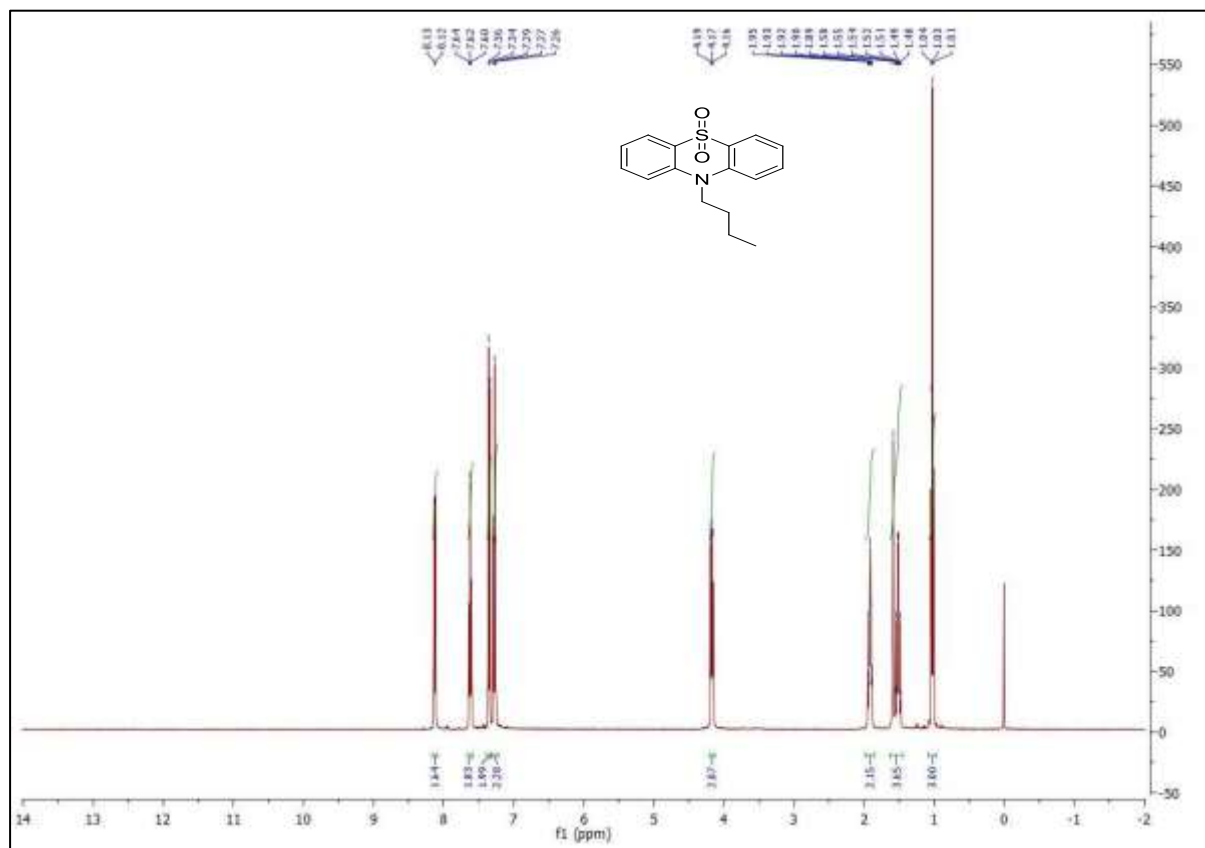
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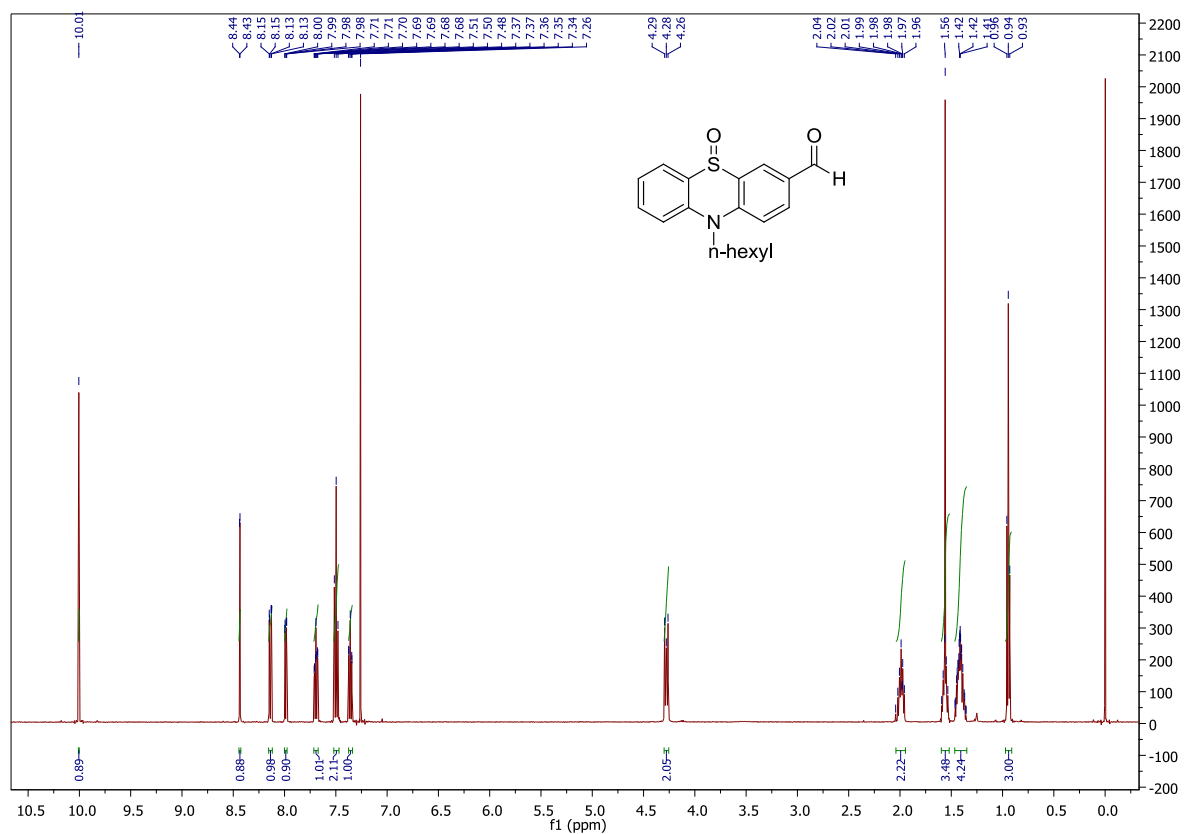
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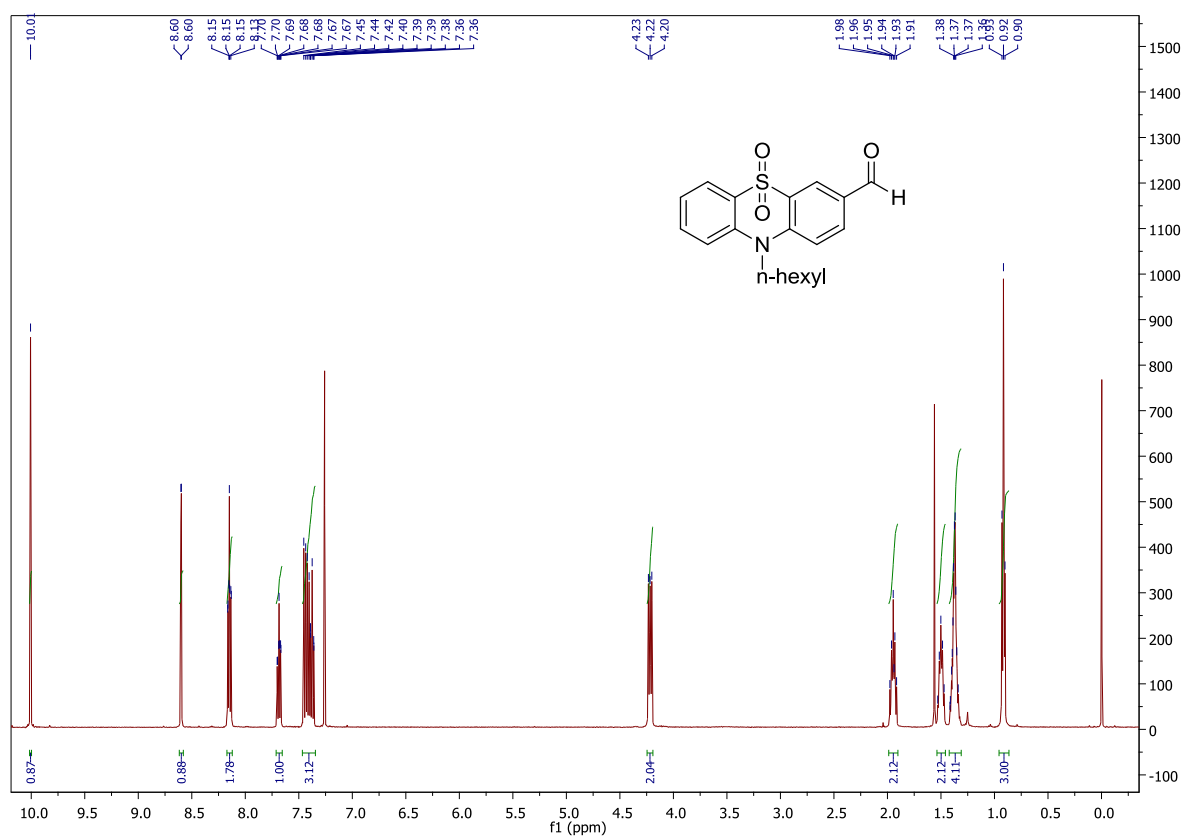


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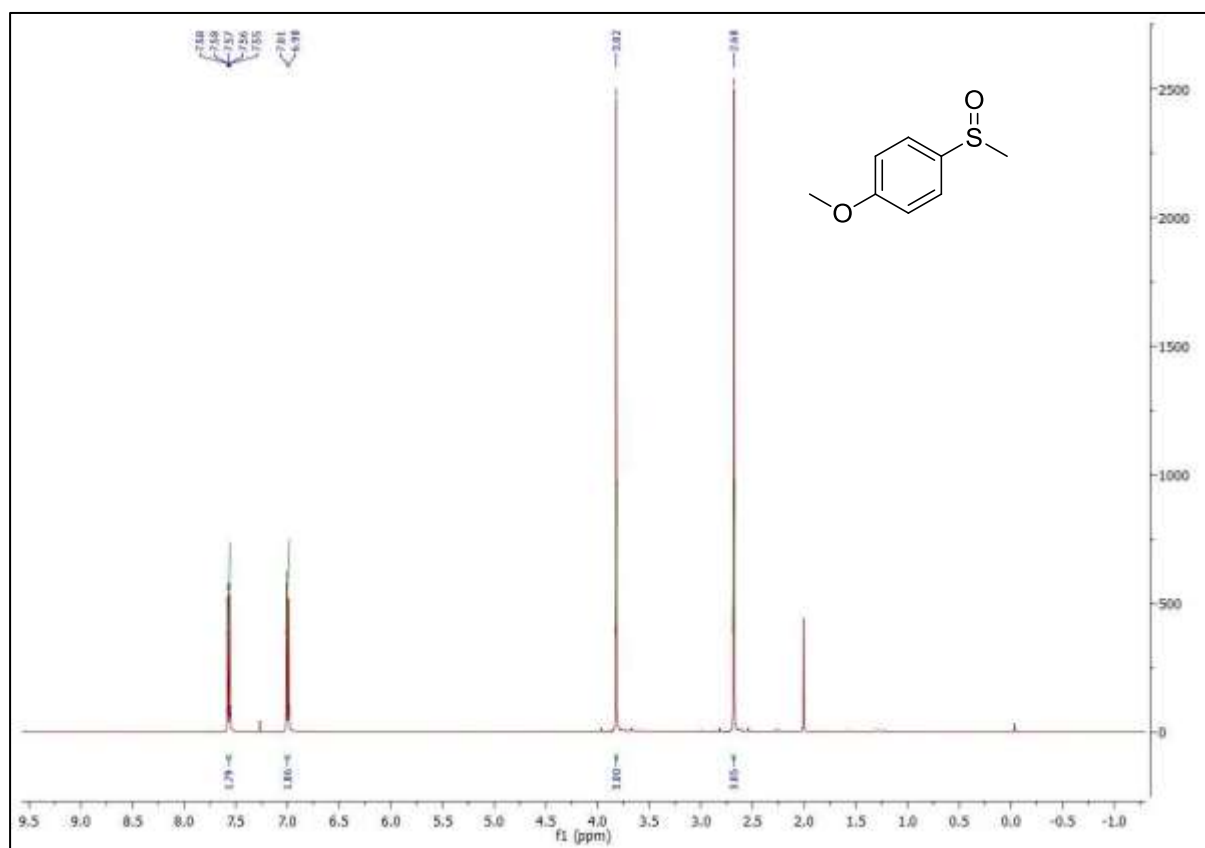


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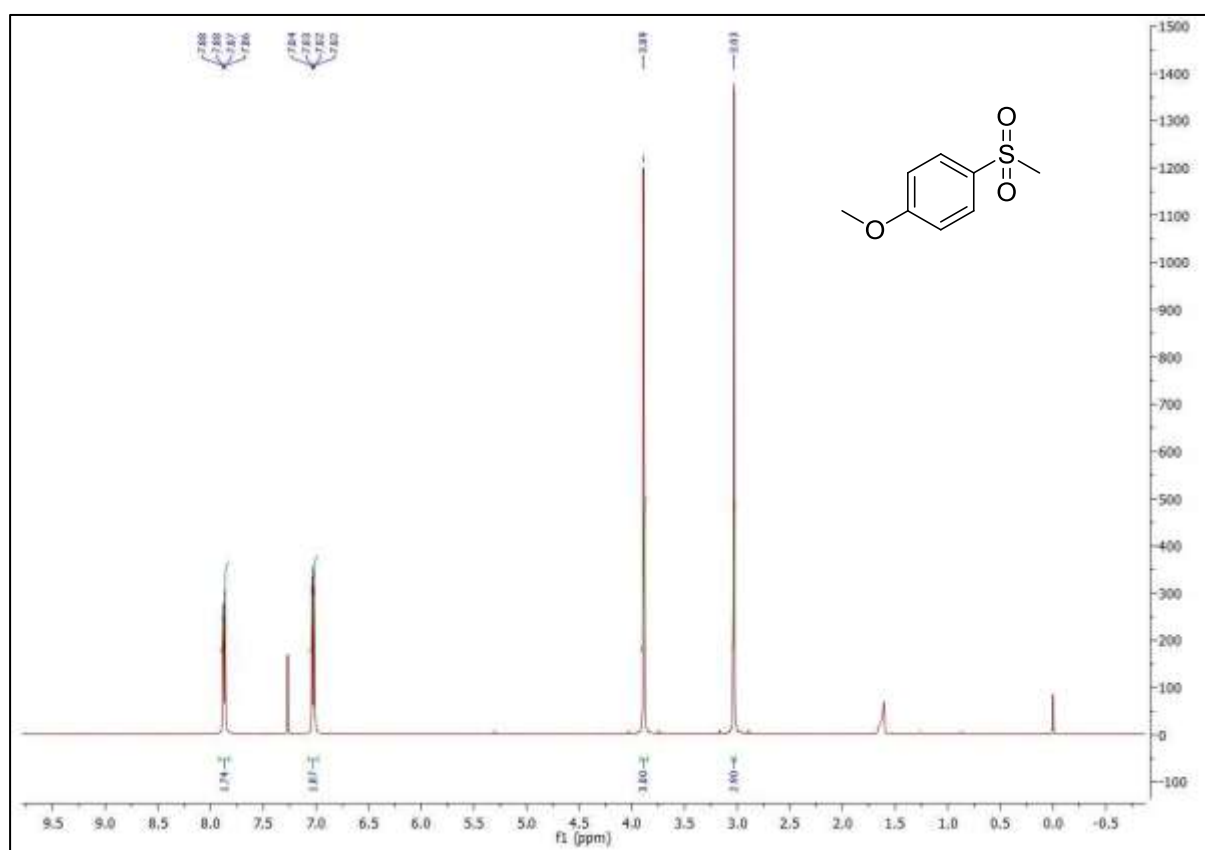


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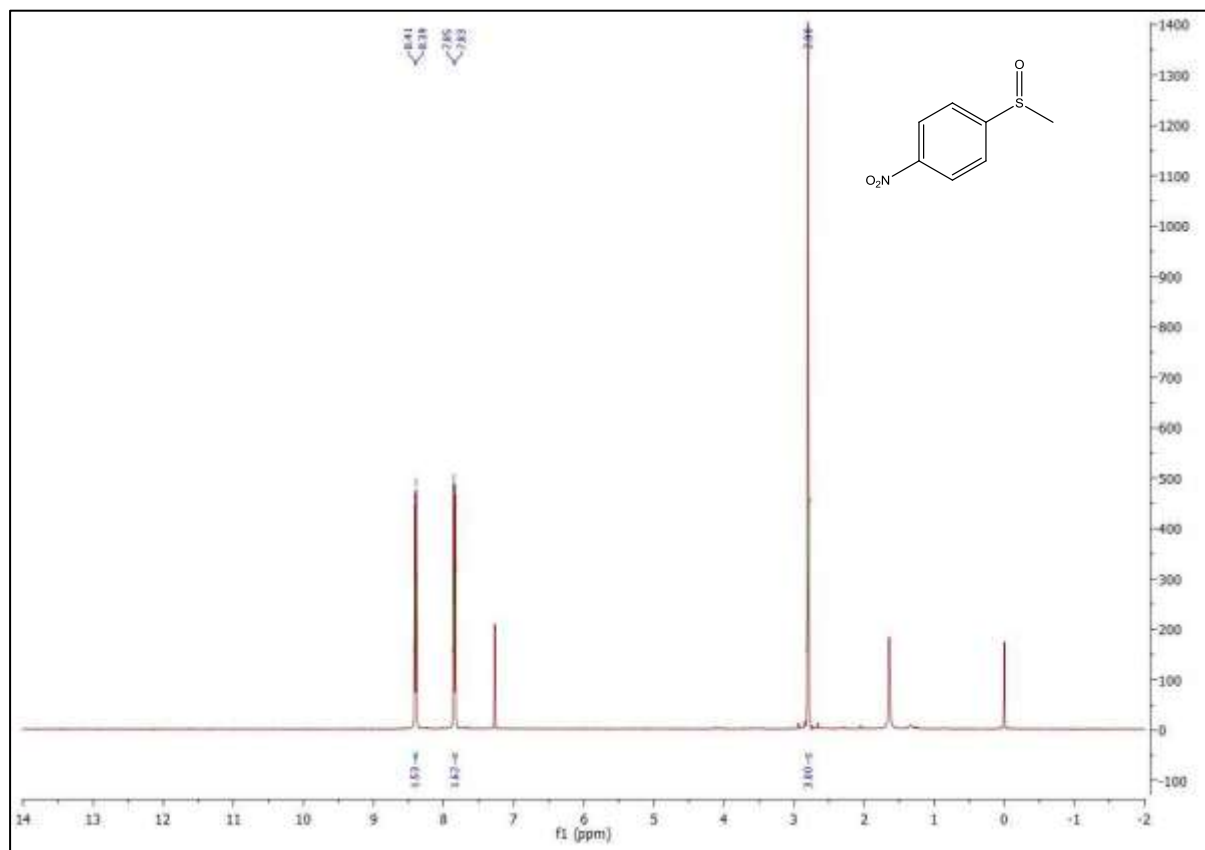
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