

## Supplementary Material

### Selective oxidation of sulfides using recyclable pseudocyclic benziodoxole triflate

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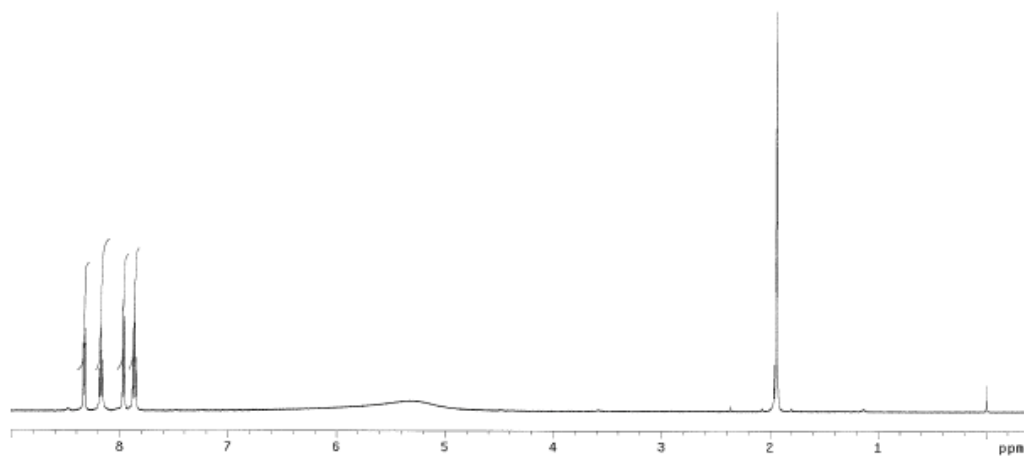
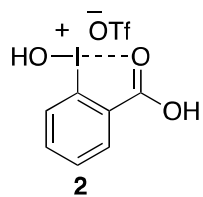
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Duluth, Minnesota, 55812, USA*

*Emails: [ayoshimu@d.umn.edu](mailto:ayoshimu@d.umn.edu), [vzhdanki@d.umn.edu](mailto:vzhdanki@d.umn.edu)*

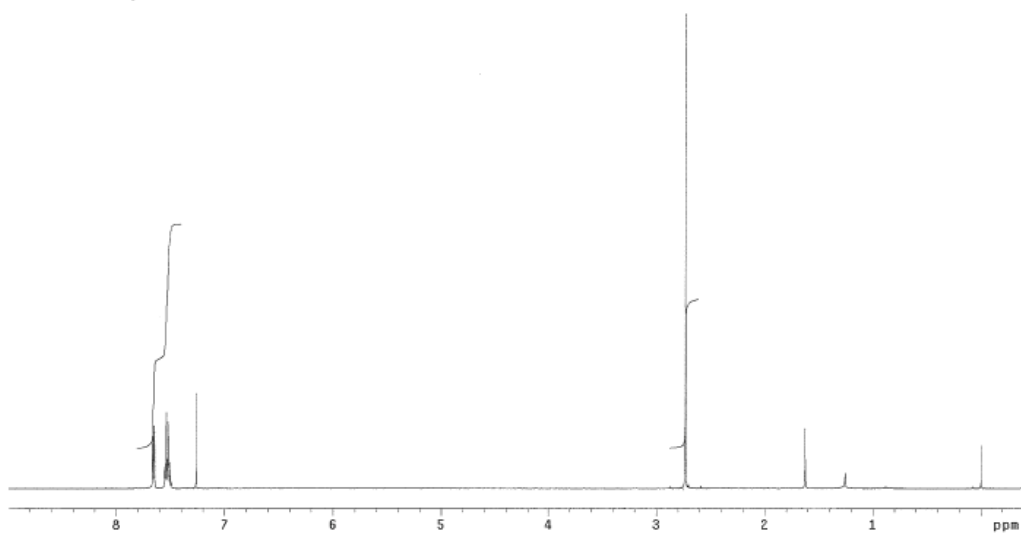
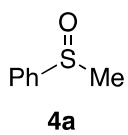
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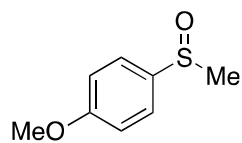
$^1\text{H}$  NMR (500 MHz,  $\text{CD}_3\text{CN}$ )



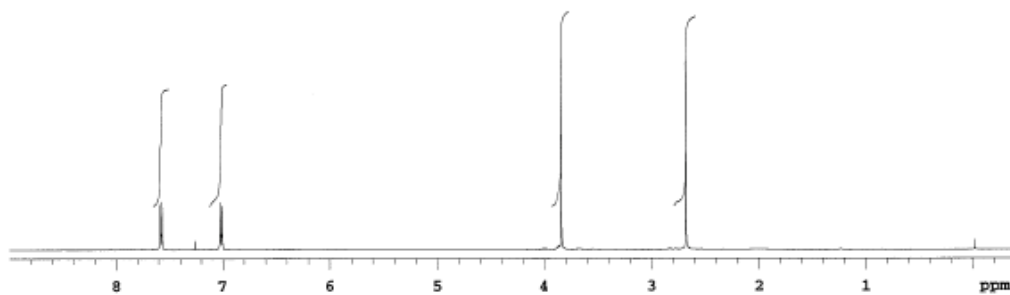
$^1\text{H}$  NMR (500 MHz,  $\text{CHCl}_3$ )



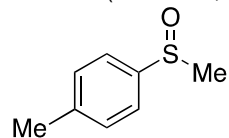
$^1\text{H}$  NMR (500 MHz,  $\text{CHCl}_3$ )



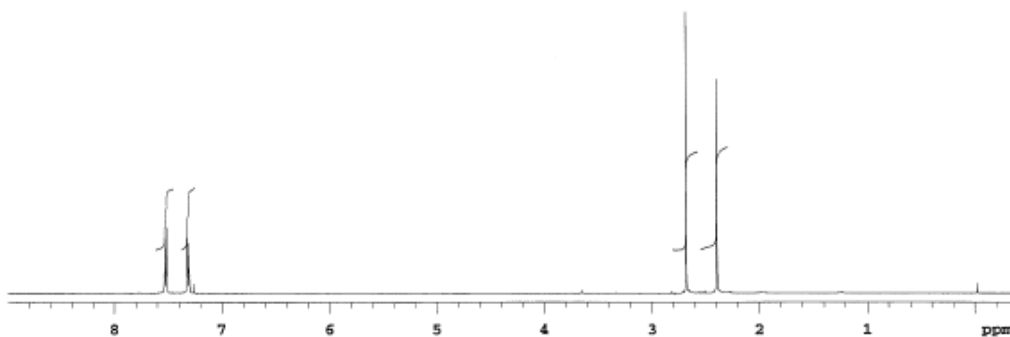
**4b**

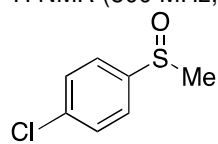
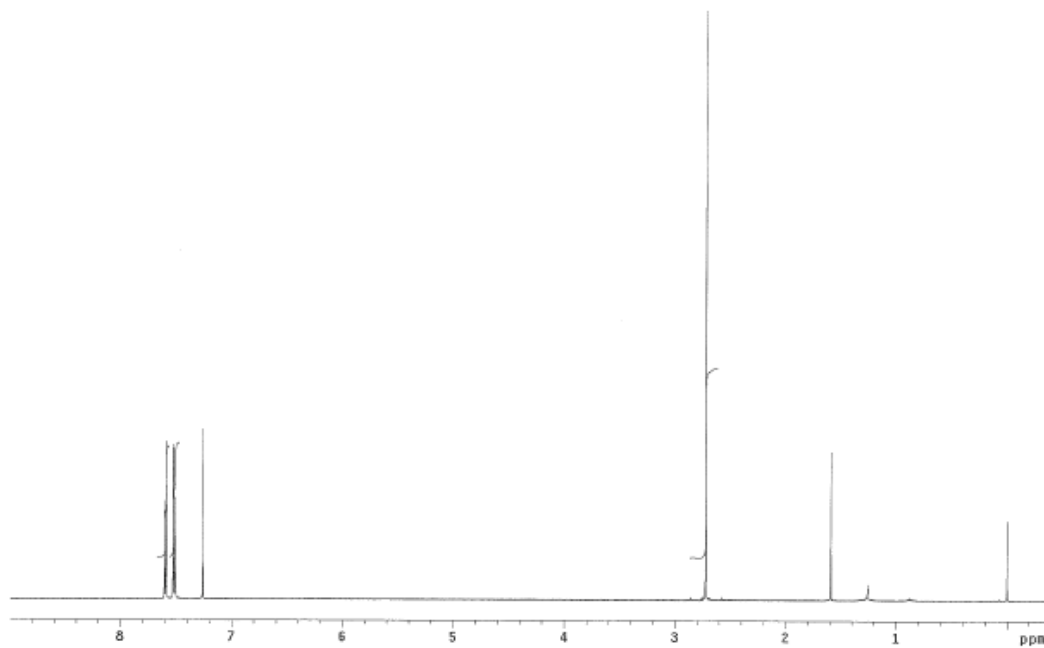
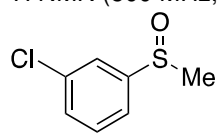
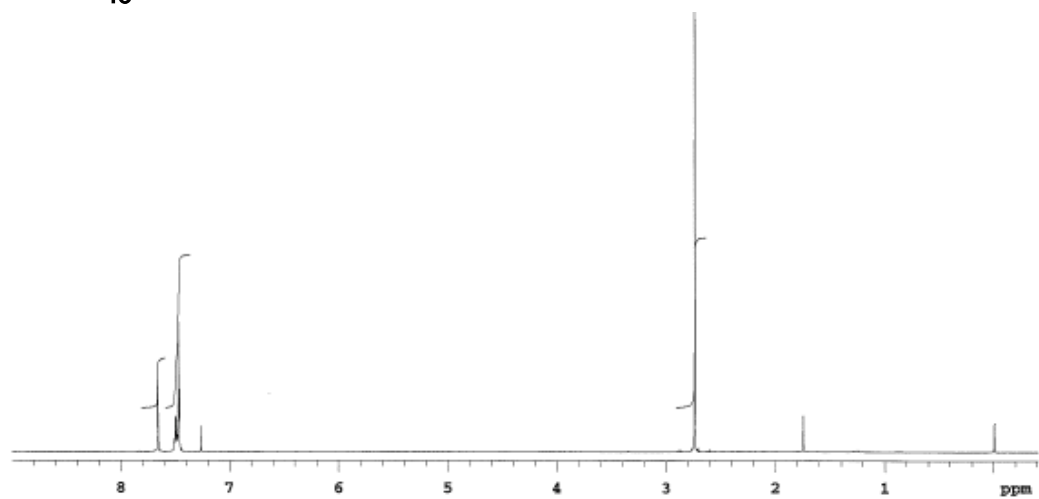


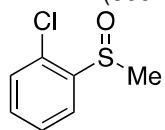
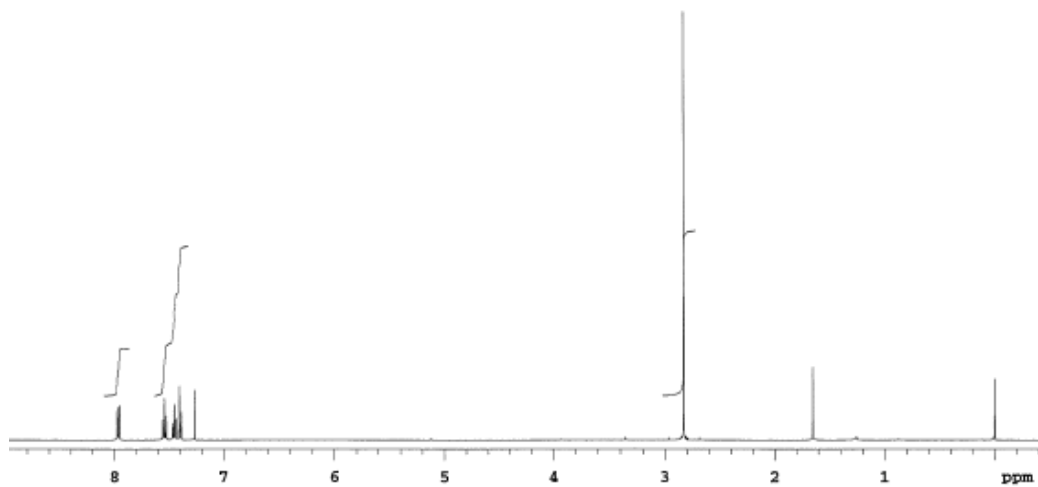
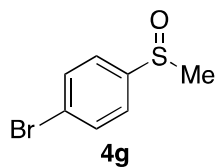
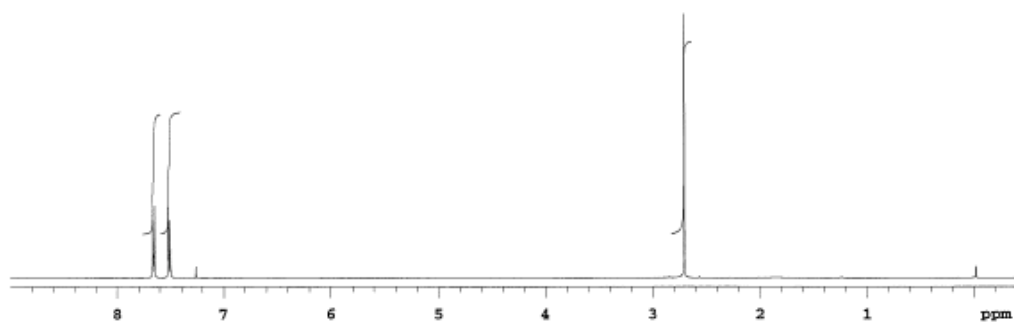
$^1\text{H}$  NMR (500 MHz,  $\text{CHCl}_3$ )



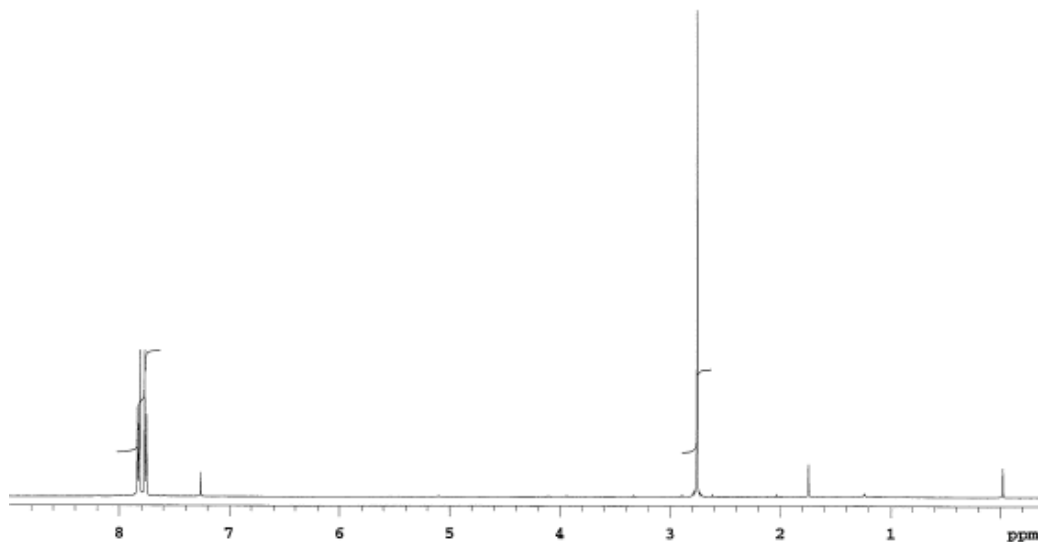
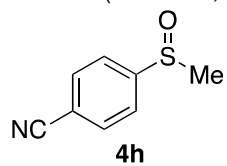
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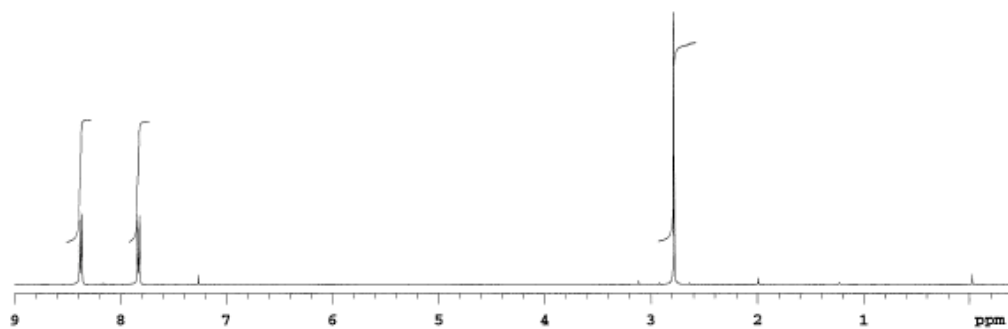
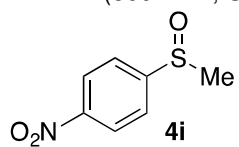
<sup>1</sup>H NMR (500 MHz, CHCl<sub>3</sub>)**4d**<sup>1</sup>H NMR (500 MHz, CHCl<sub>3</sub>)**4e**

<sup>1</sup>H NMR (500 MHz, CHCl<sub>3</sub>)**4f**<sup>1</sup>H NMR (500 MHz, CHCl<sub>3</sub>)**4g**

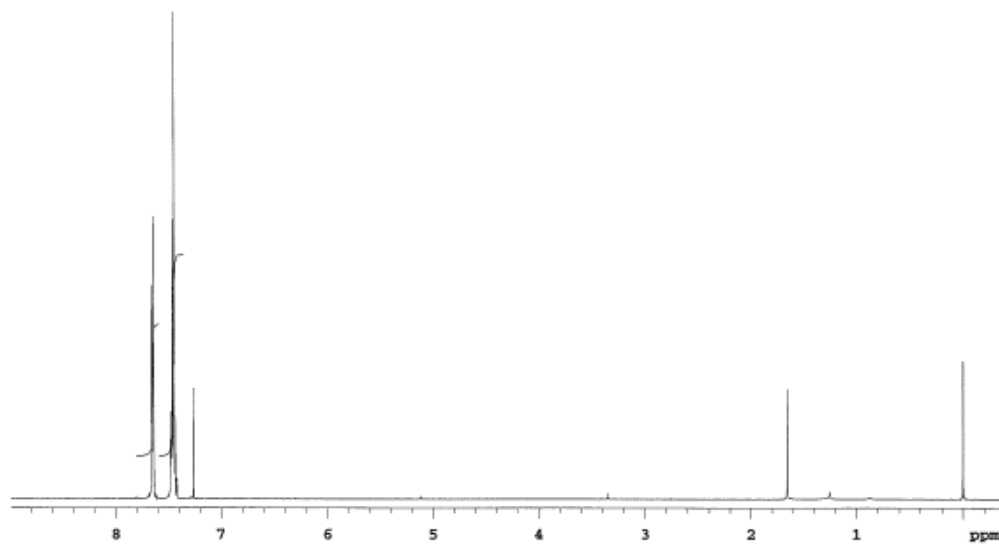
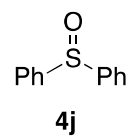
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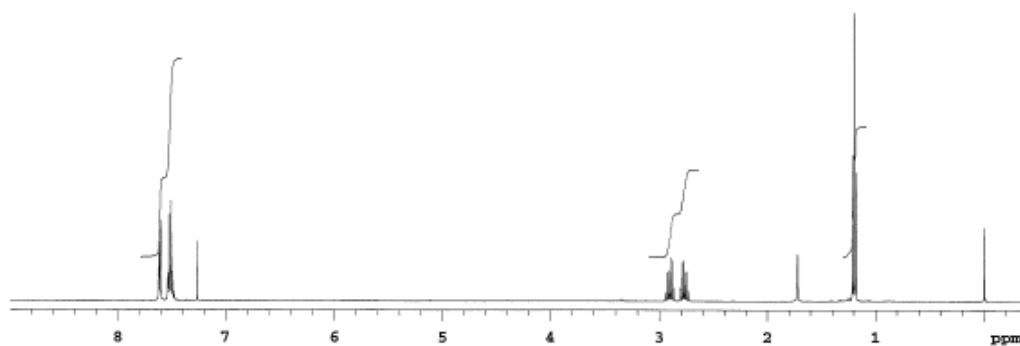
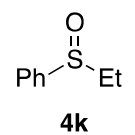
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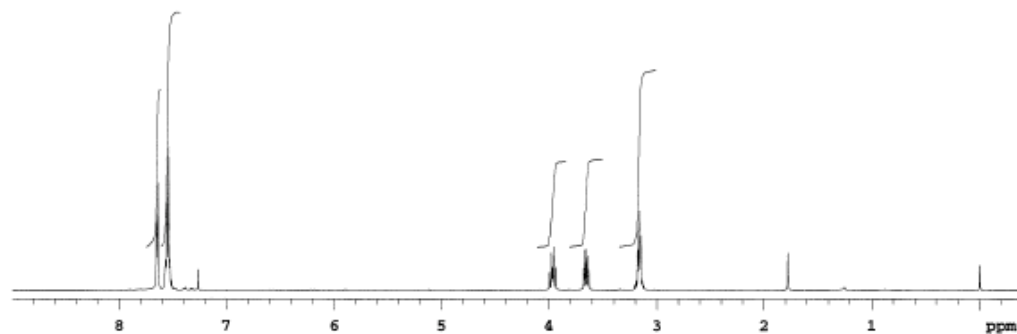
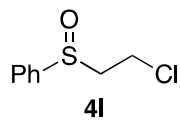
$^1\text{H}$  NMR (500 MHz,  $\text{CHCl}_3$ )



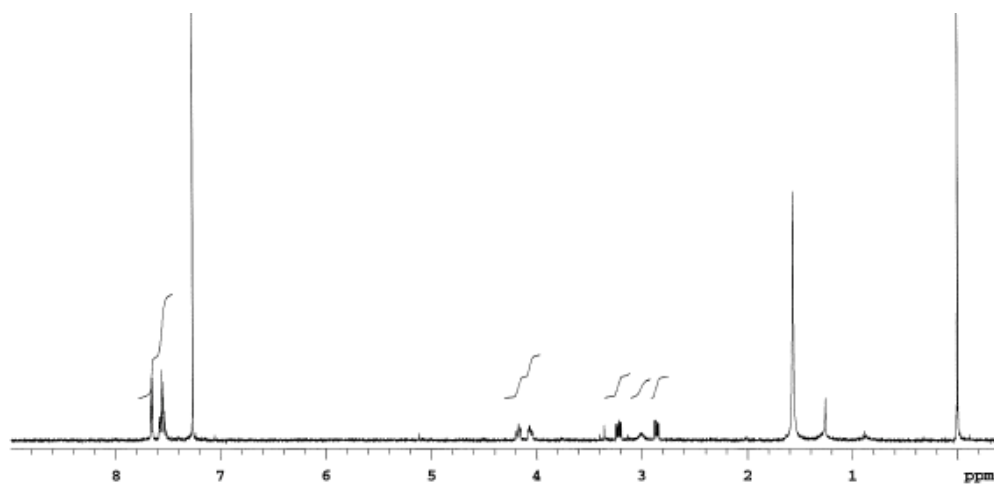
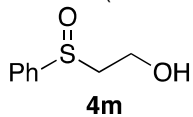
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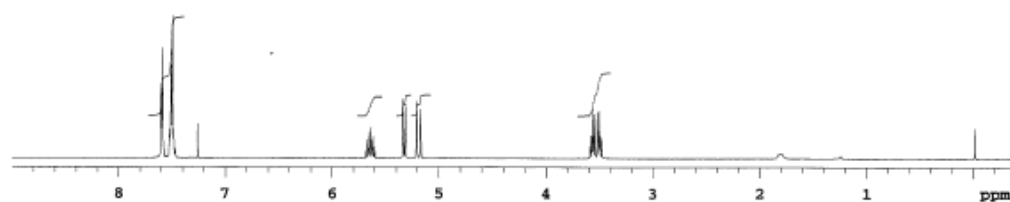
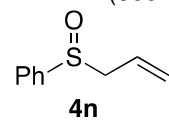


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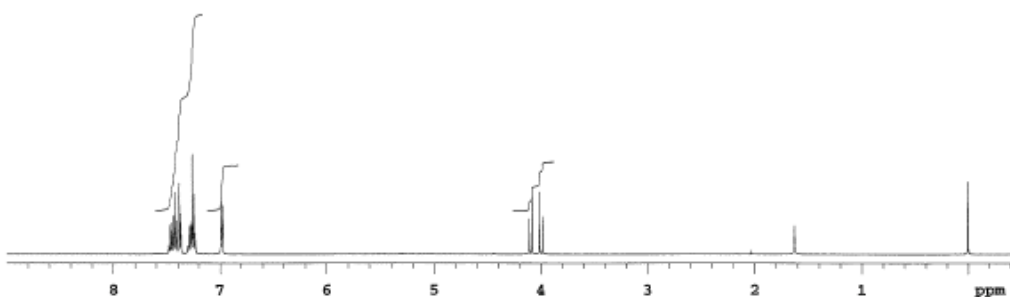
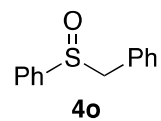




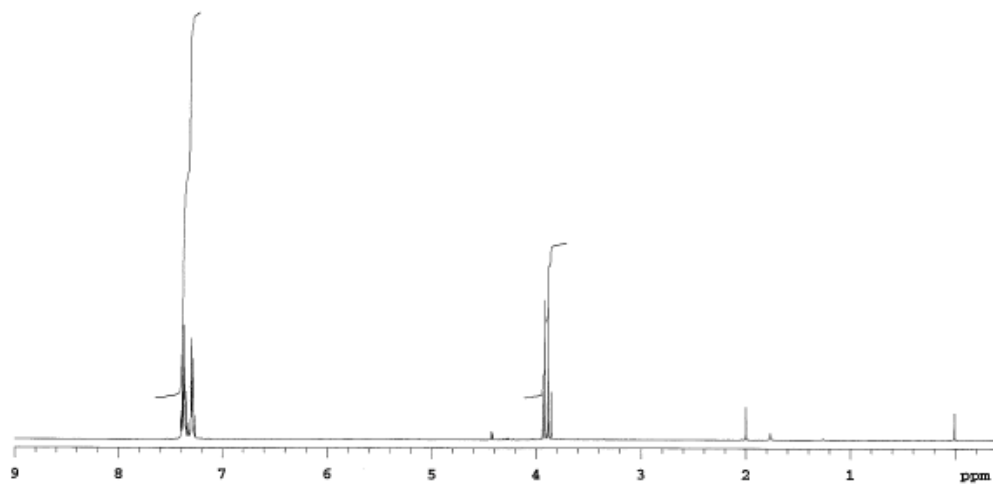
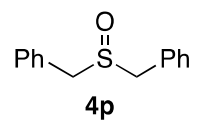
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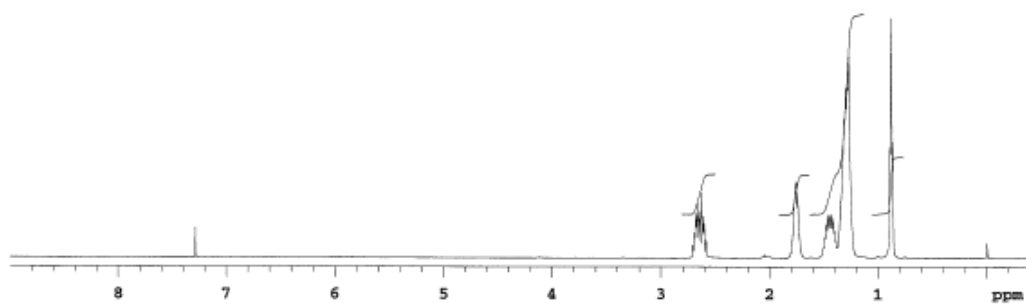
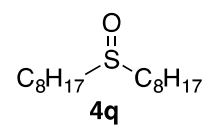
<sup>1</sup>H NMR (500 MHz, CHCl<sub>3</sub>)



$^1\text{H}$  NMR (500 MHz,  $\text{CHCl}_3$ )



$^1\text{H}$  NMR (500 MHz,  $\text{CHCl}_3$ )



$^1\text{H}$  NMR (500 MHz,  $\text{CHCl}_3$ )

