

Supplementary Material

Chiral methyl *trans*-2,2-dichloro-3-methylcyclopropanecarboxylate upon exposure to thiophenolate nucleophile

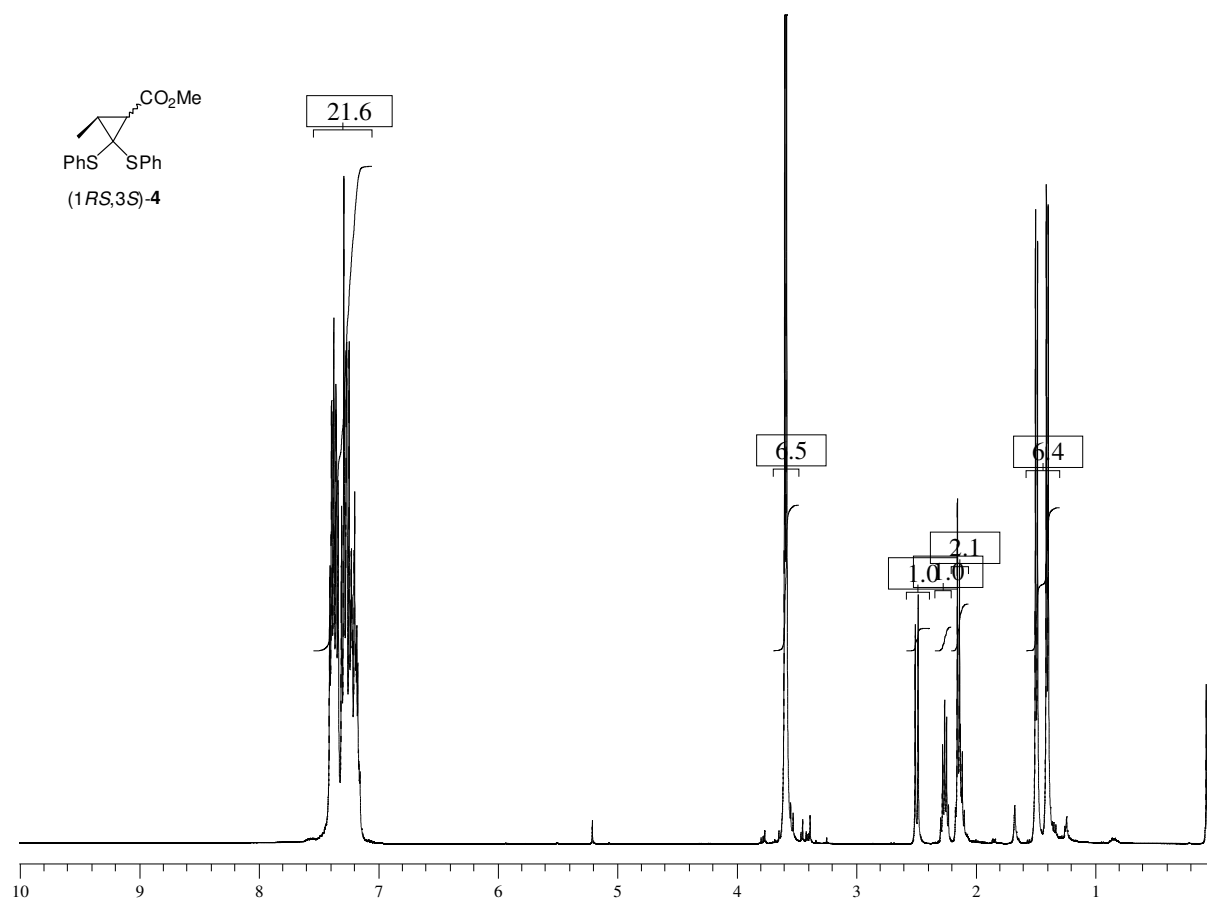
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Minsk, Belarus

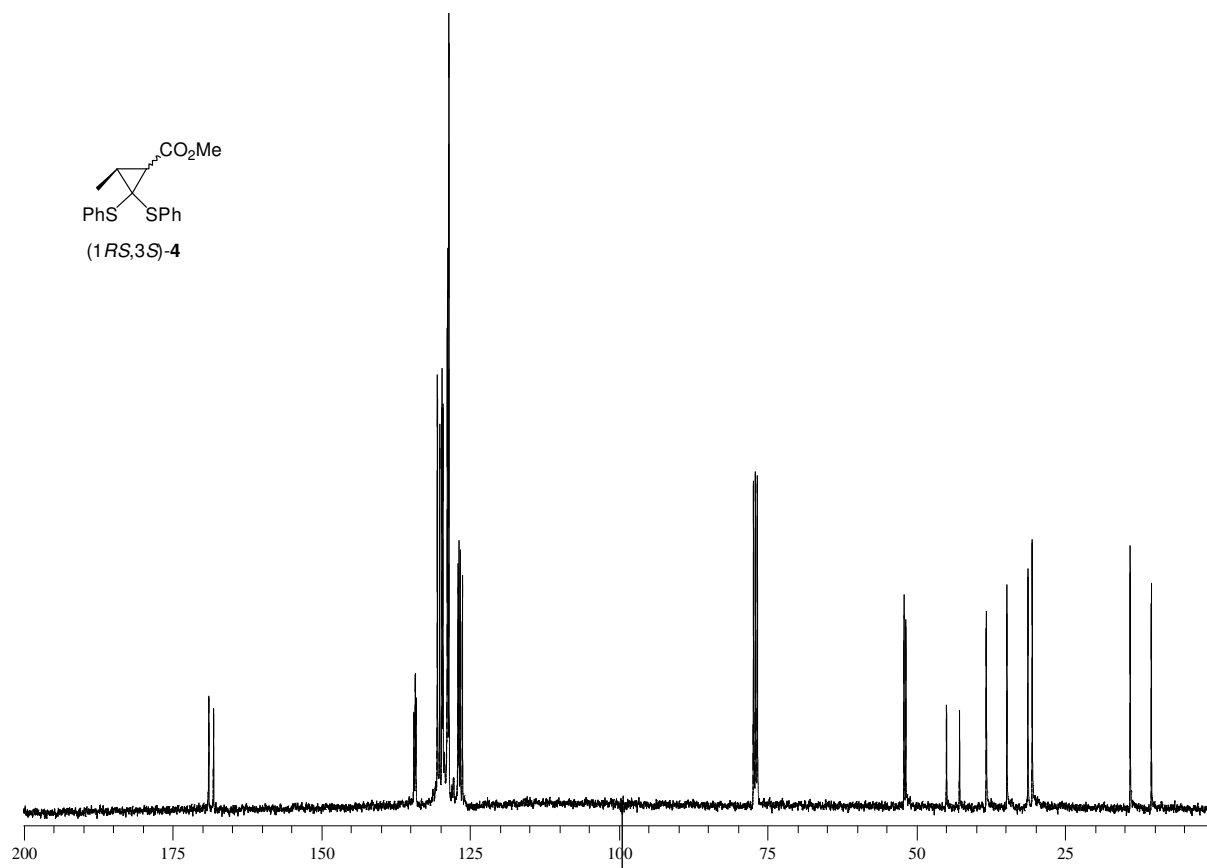
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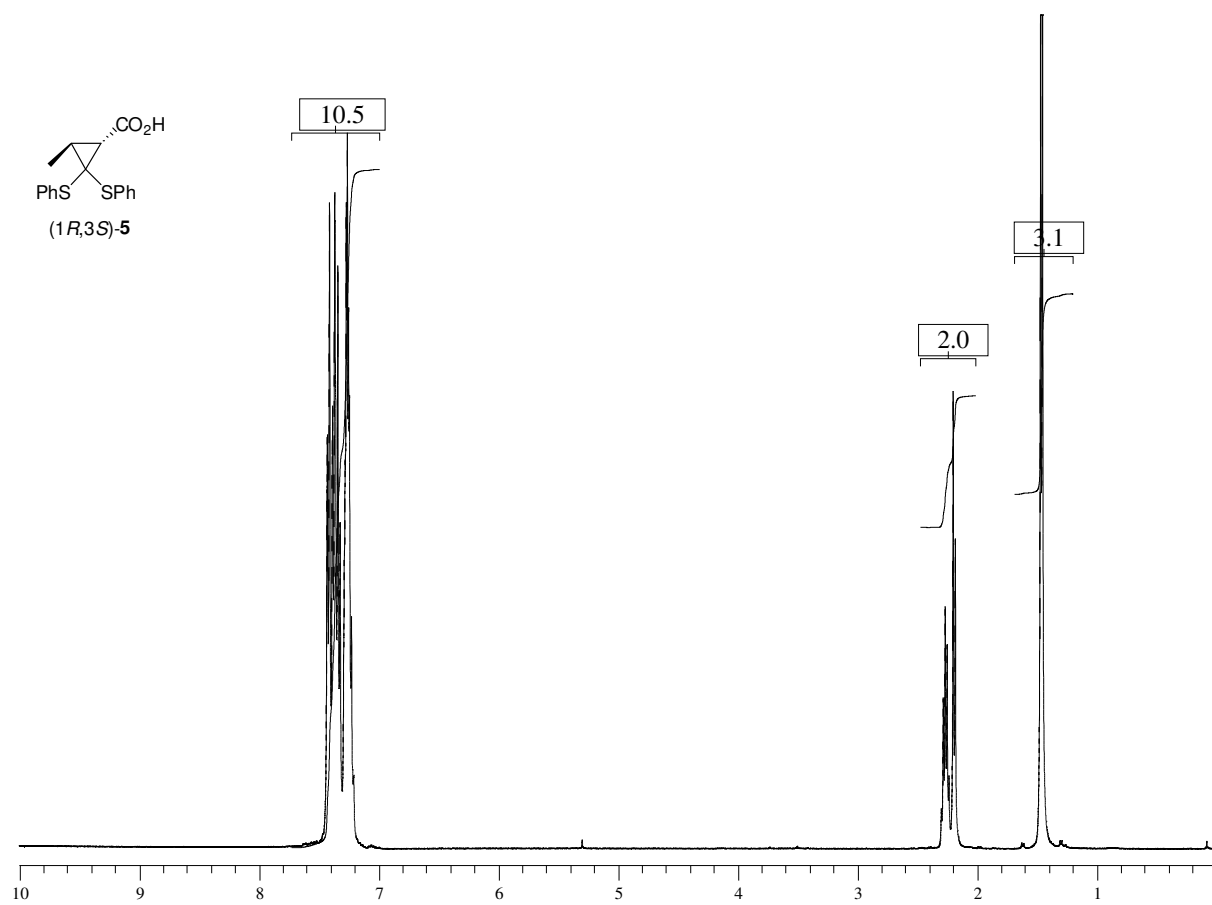
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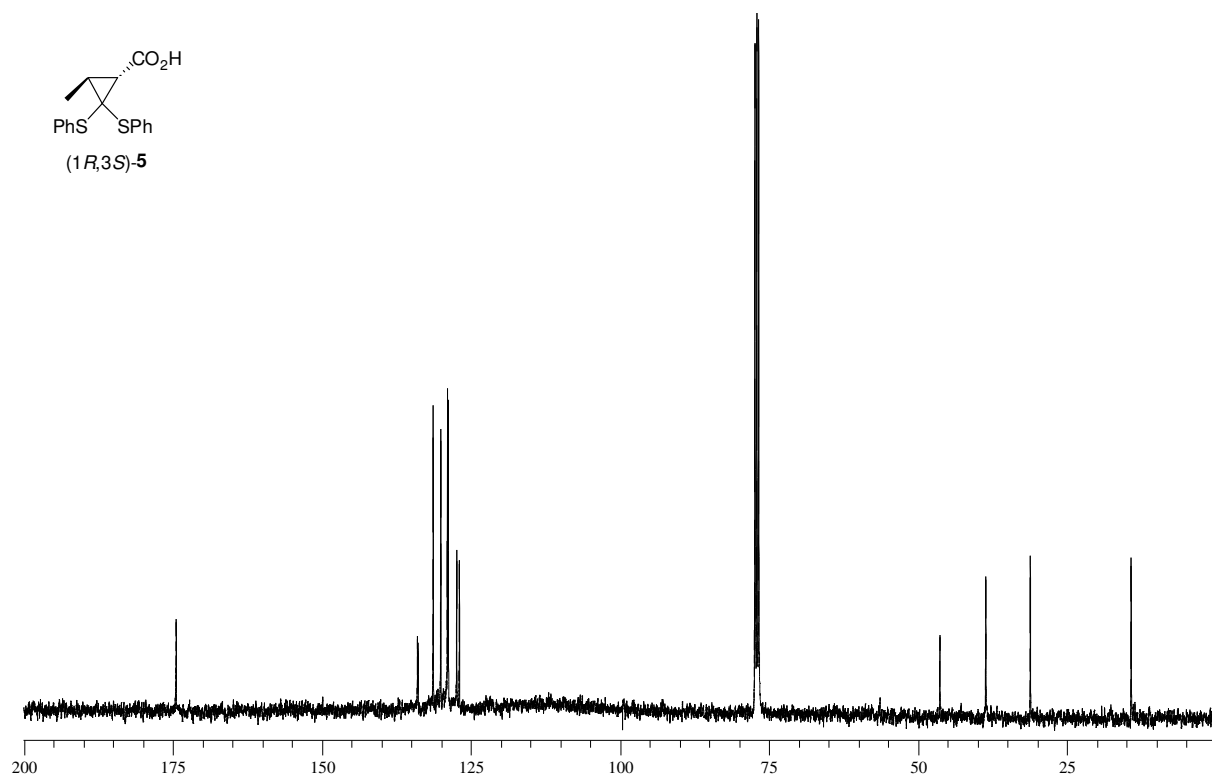
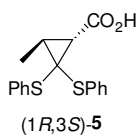
(1*R*,3*S*)-4, ¹H NMR



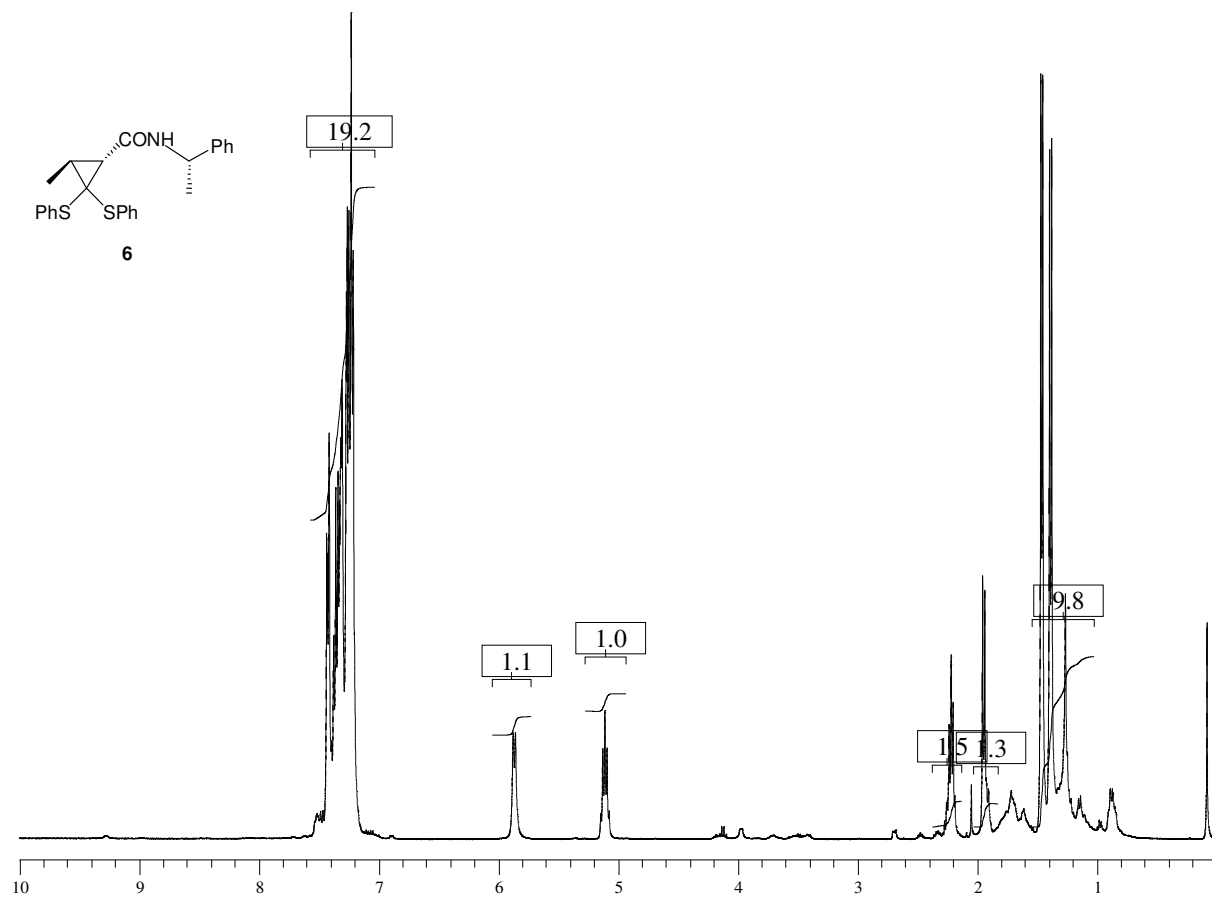
(1*R*,3*S*)-4, ^{13}C NMR

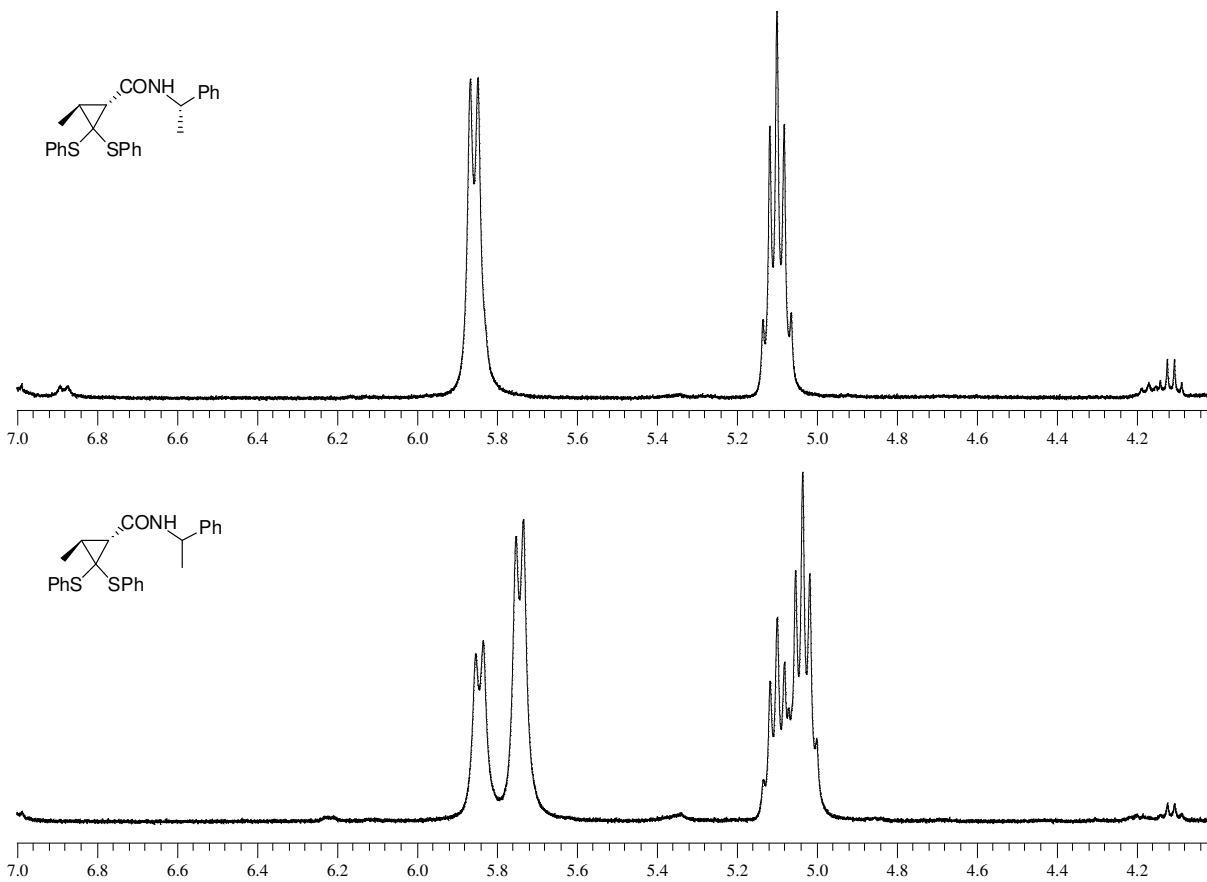


(1R,3S)-5, ¹H NMR

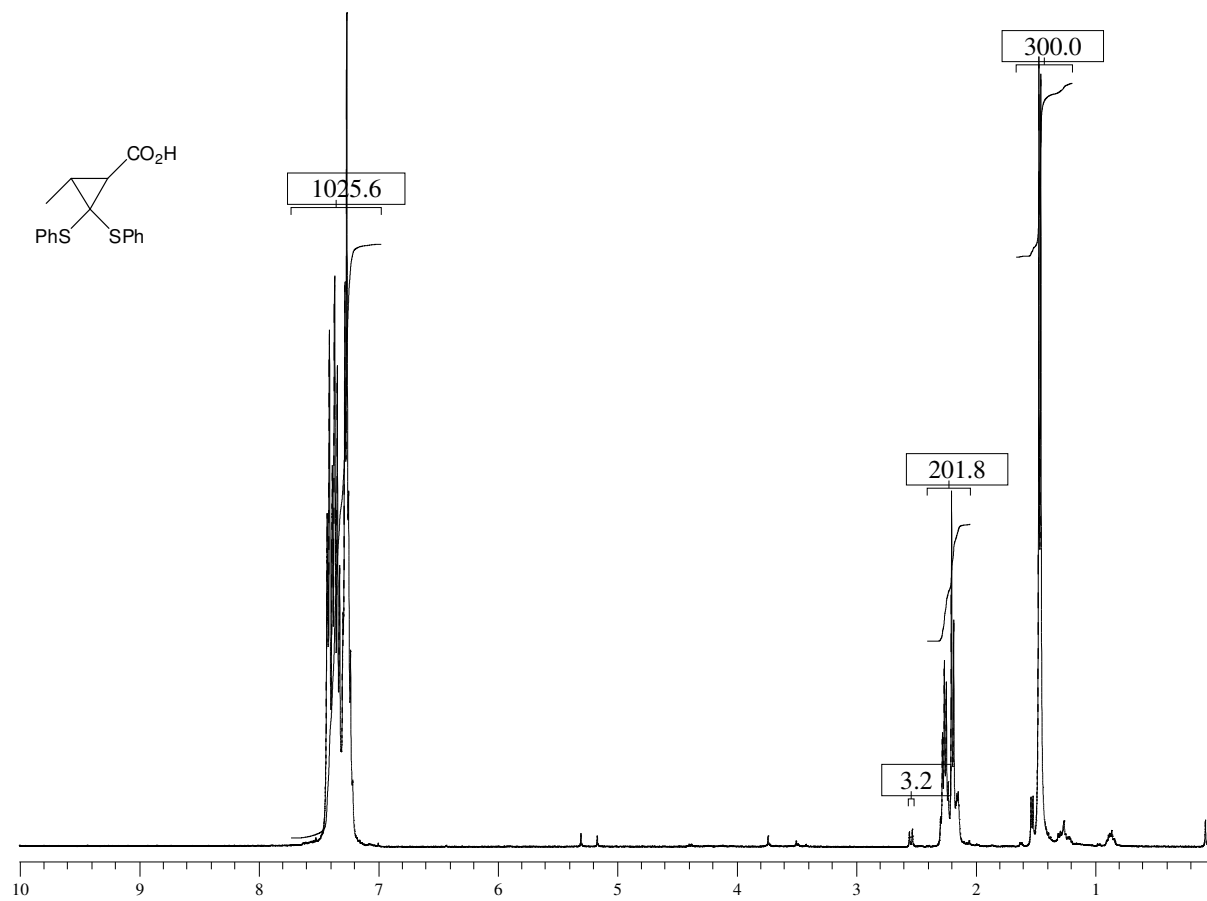


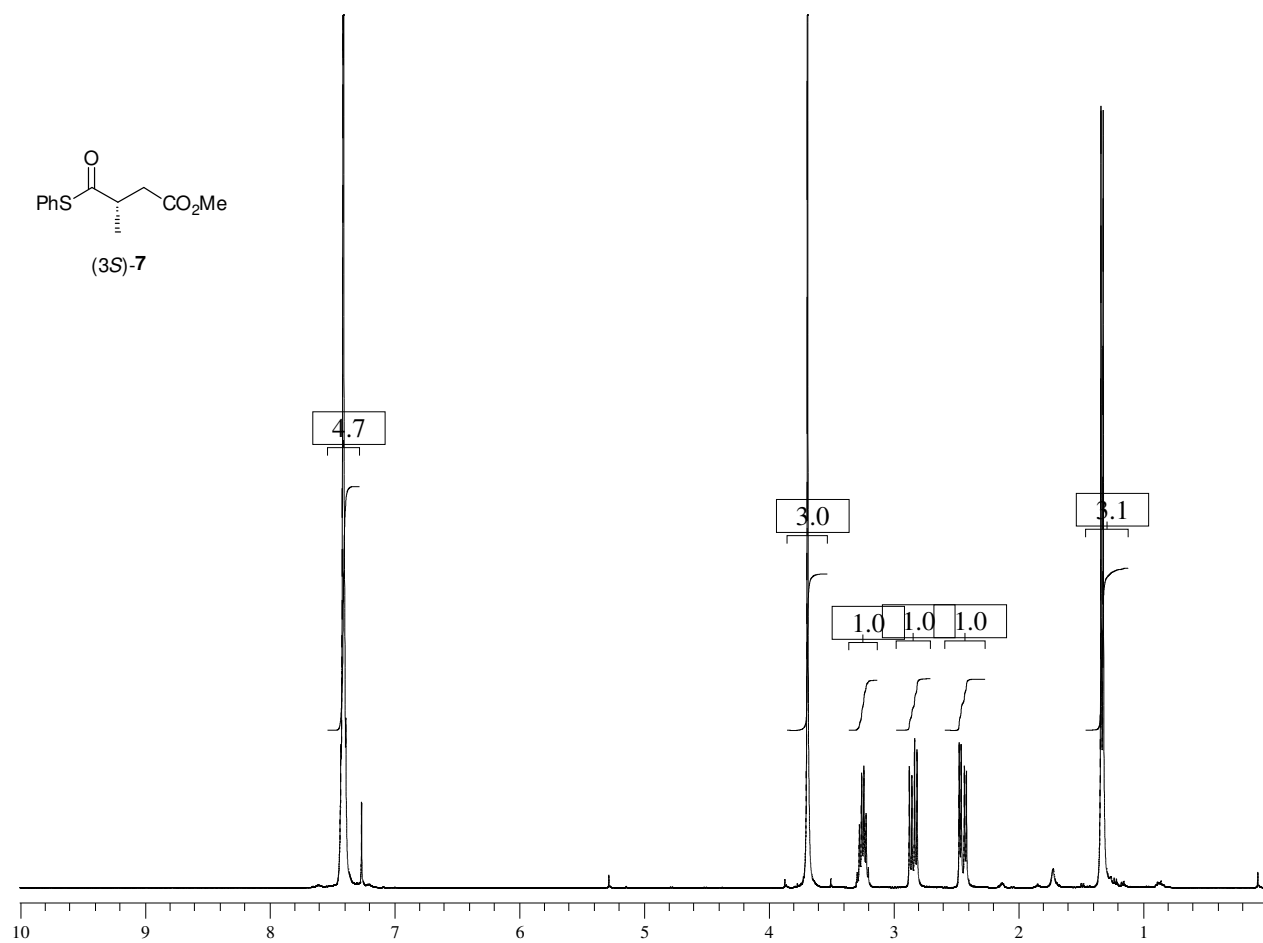
(1*R*,3*S*)-5, ^{13}C NMR

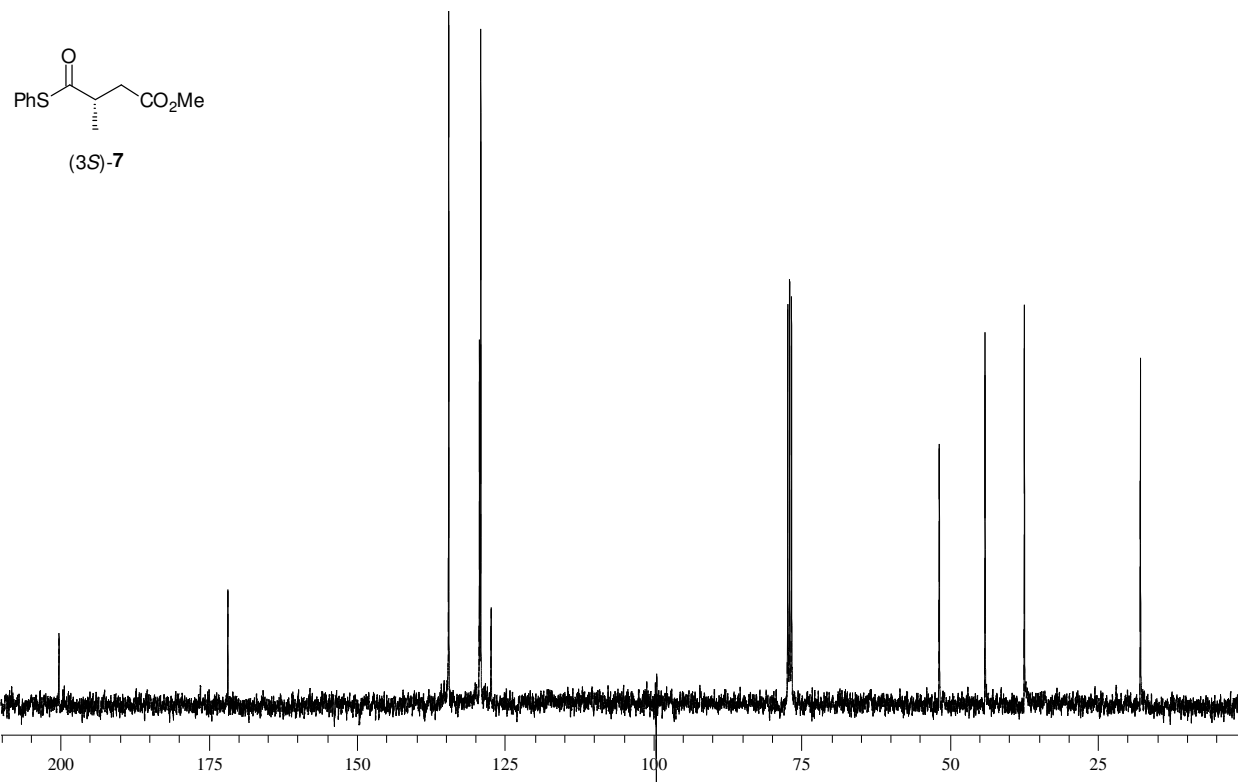
Determination of the enantiomeric purity of (1*R*,3*S*)-5.**6, ¹H NMR**



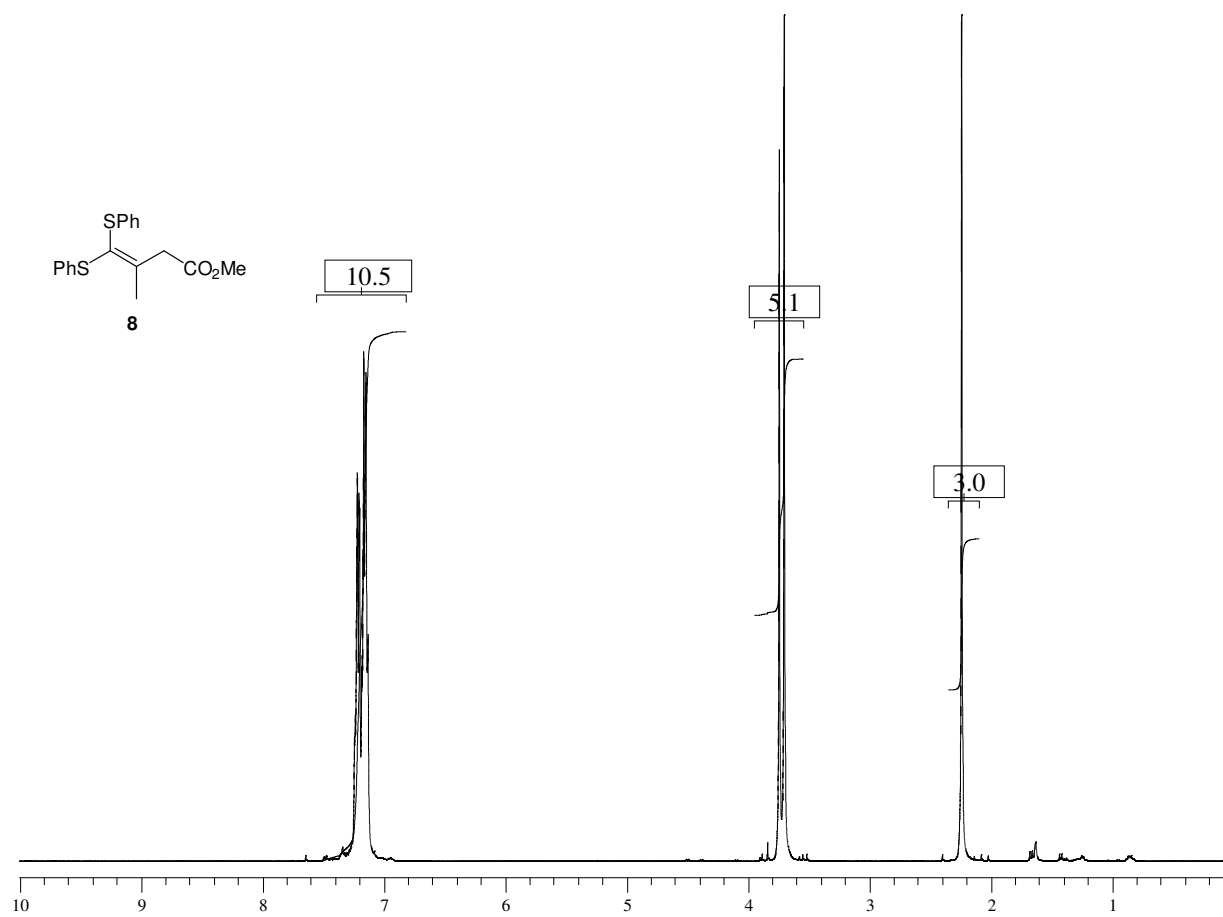
Amide 6 and amide of (1*R*,3*S*)-5 with (±)-α-phenylethylamine, ¹H NMR

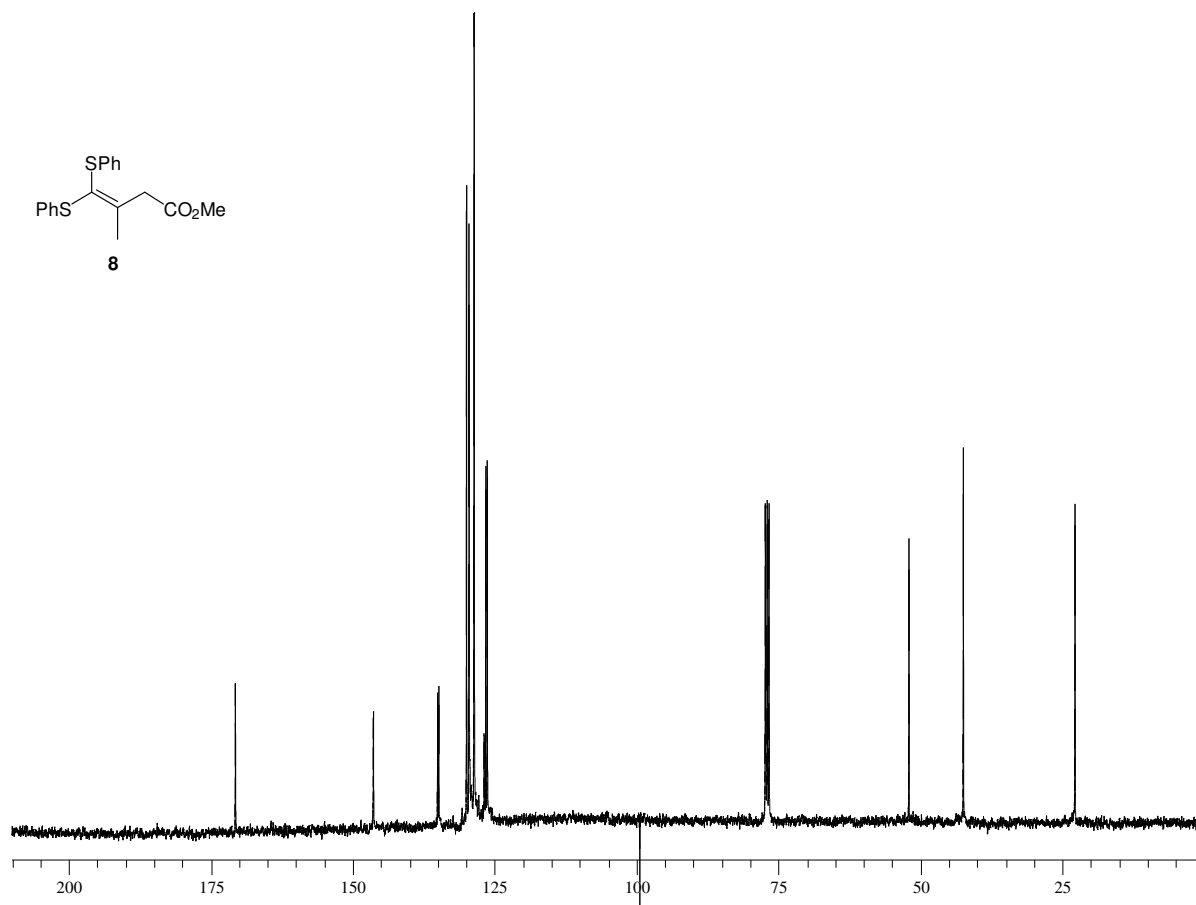
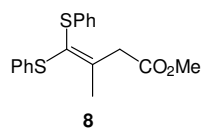
**Racemic 5, ^1H NMR**

**(3S)-7, ¹H NMR**

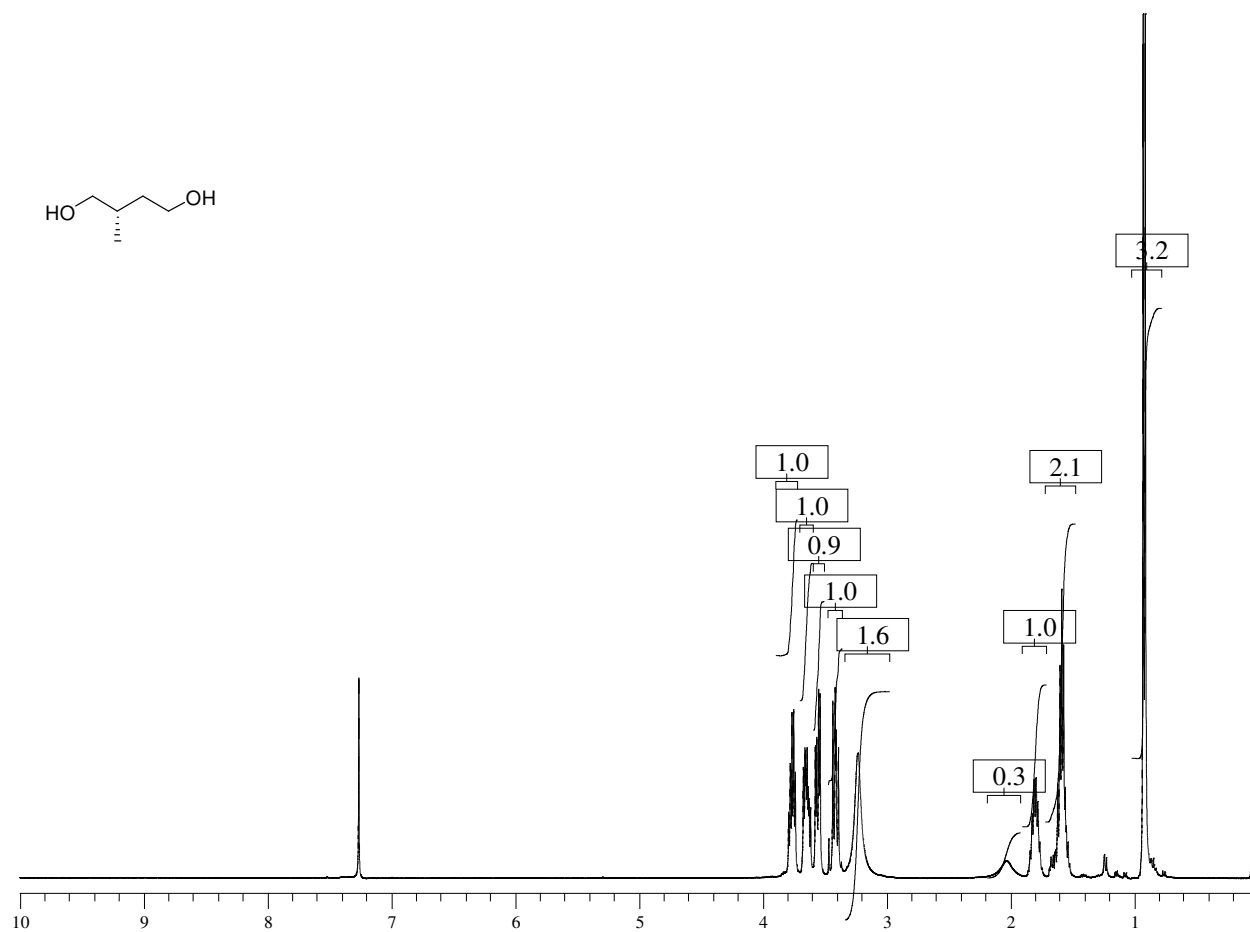


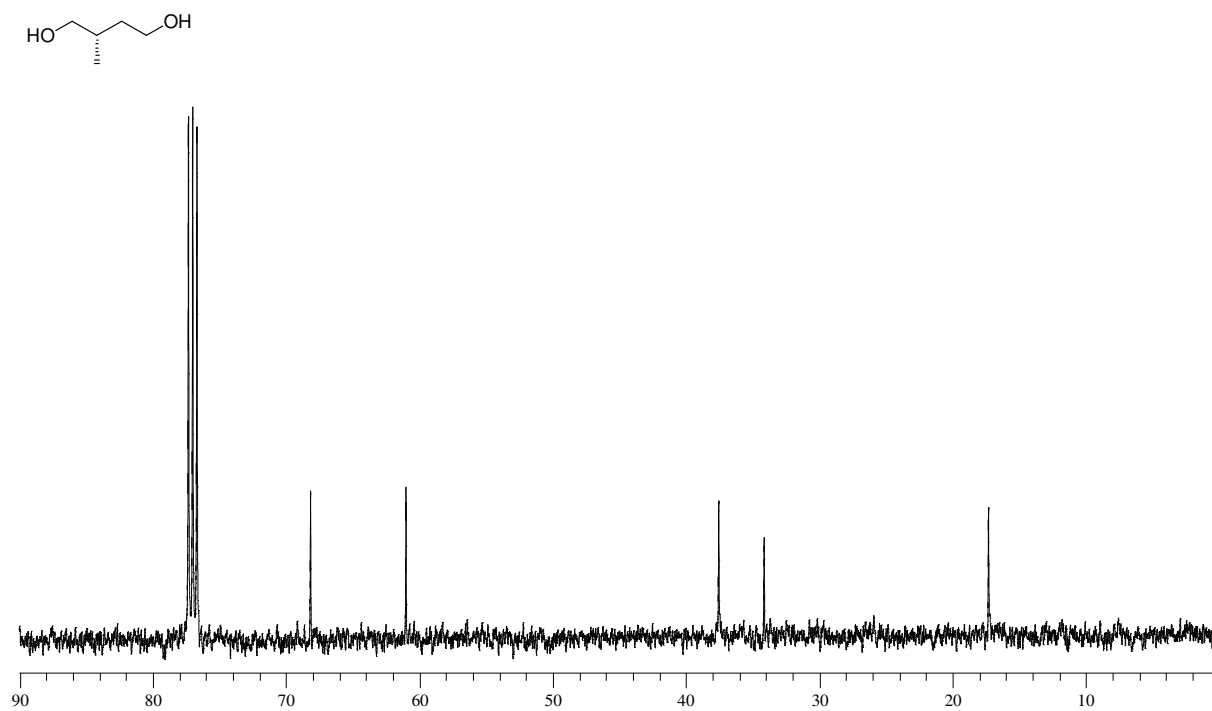
(3S)-7, ¹³C NMR

**8, $^1\text{H NMR}$**

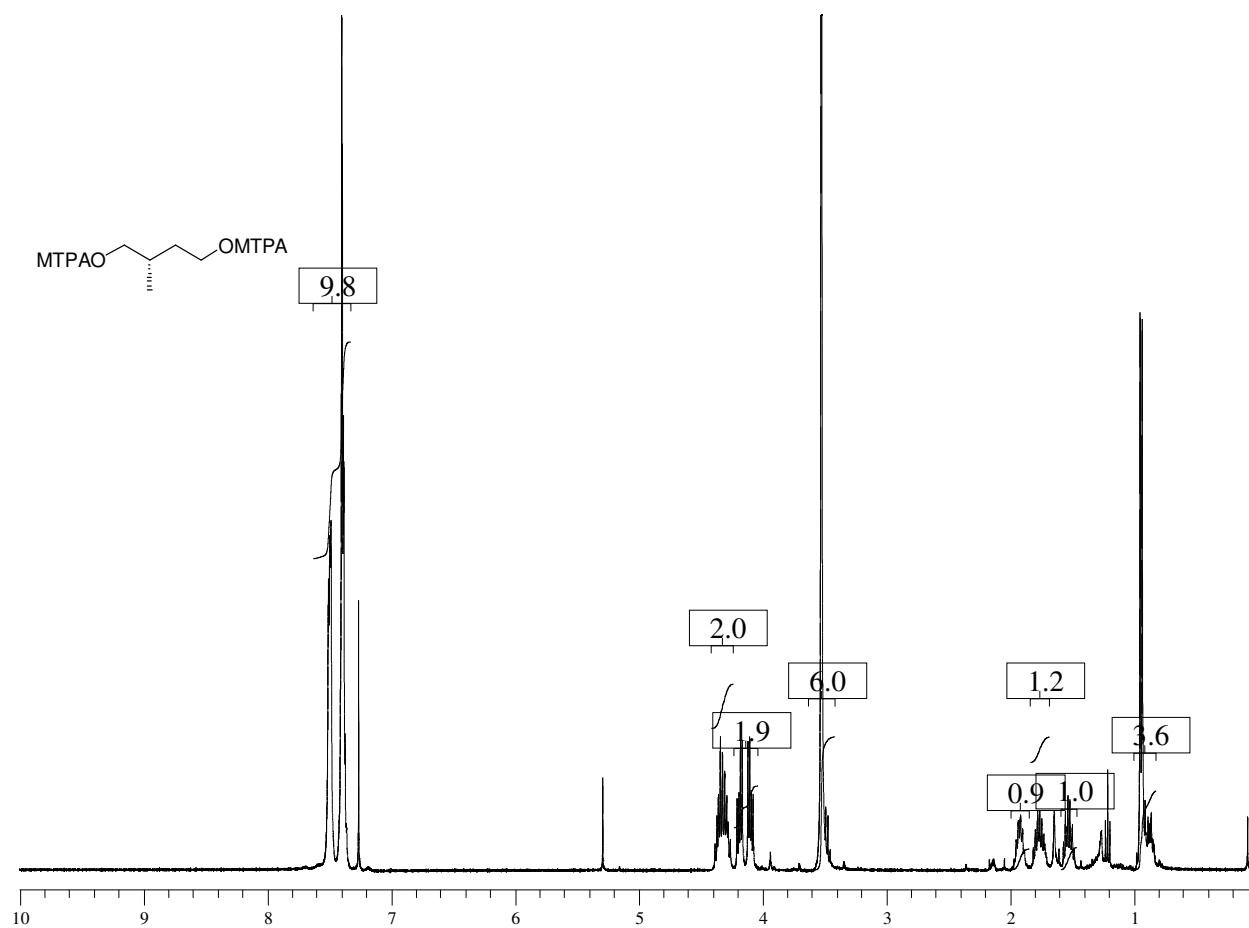


8, ^{13}C NMR

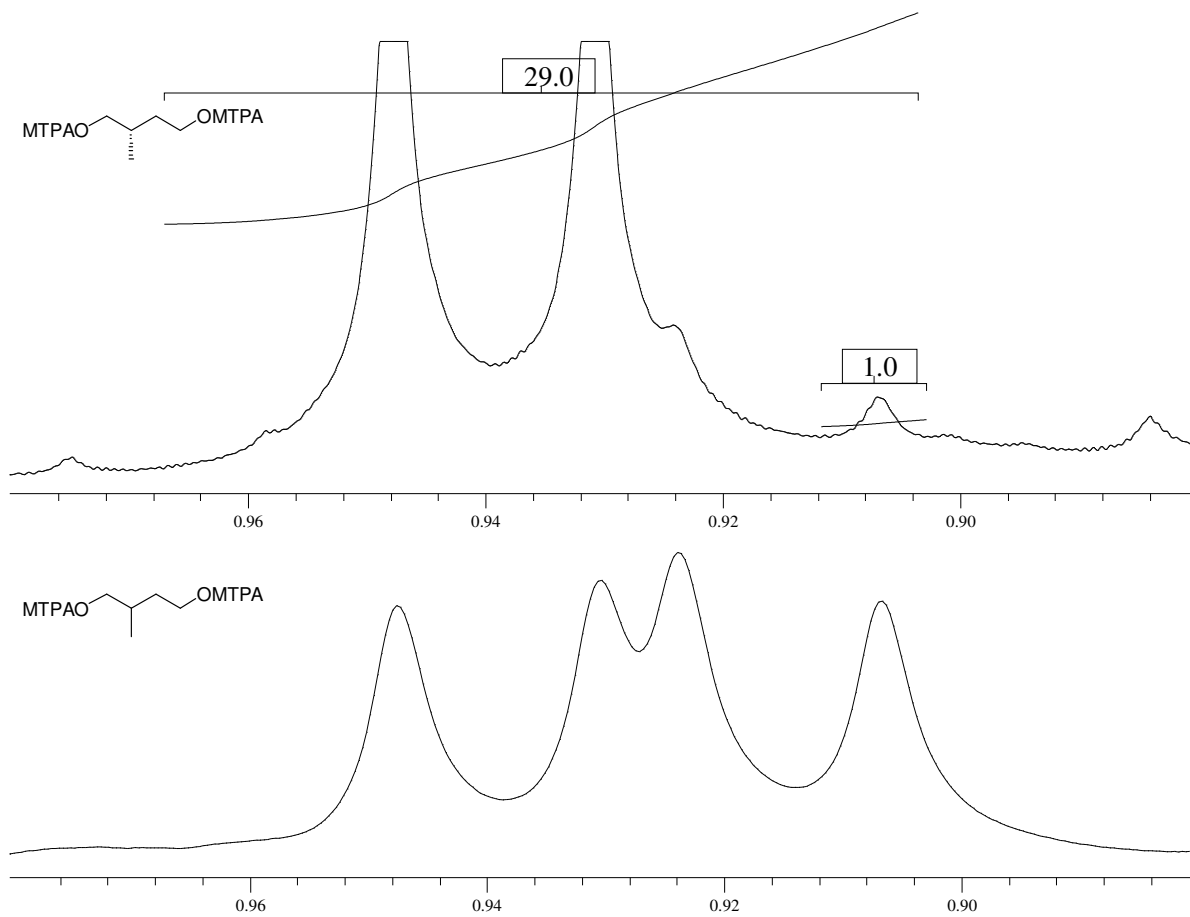
Determination of the enantiomeric purity of (3S)-7**(2S)-2-Methylbutane-1,4-diol, ¹H NMR**



(2S)-2-Methylbutane-1,4-diol, ¹³C NMR



(*R*)-Mosher ester of (2*S*)-2-methylbutane-1,4-diol, ^1H NMR



(*R*)-Mosher esters of (*2S*)-2-methylbutane-1,4-diol and racemic 2-methylbutane-1,4-diol, ^1H NMR