

Supplementary Material

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

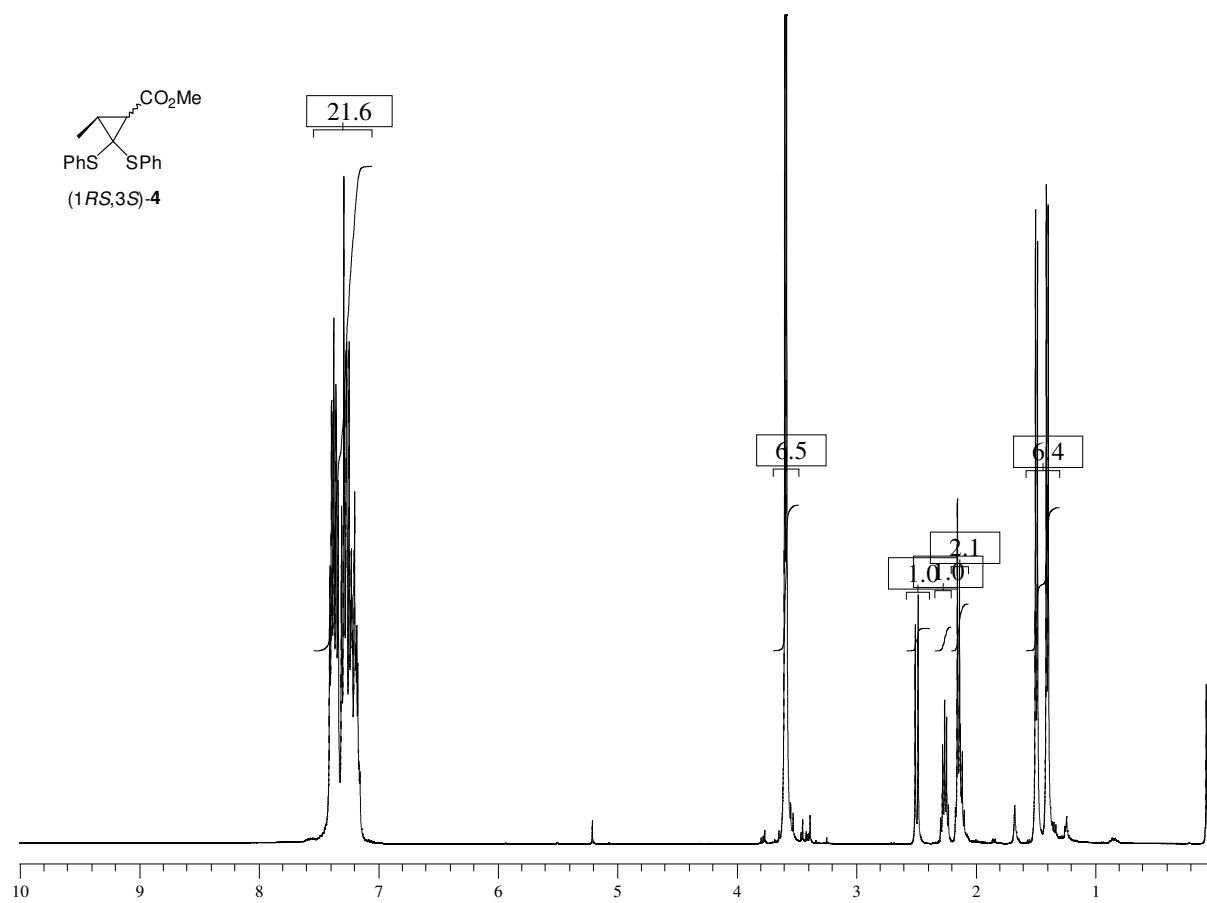
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Minsk, Belarus

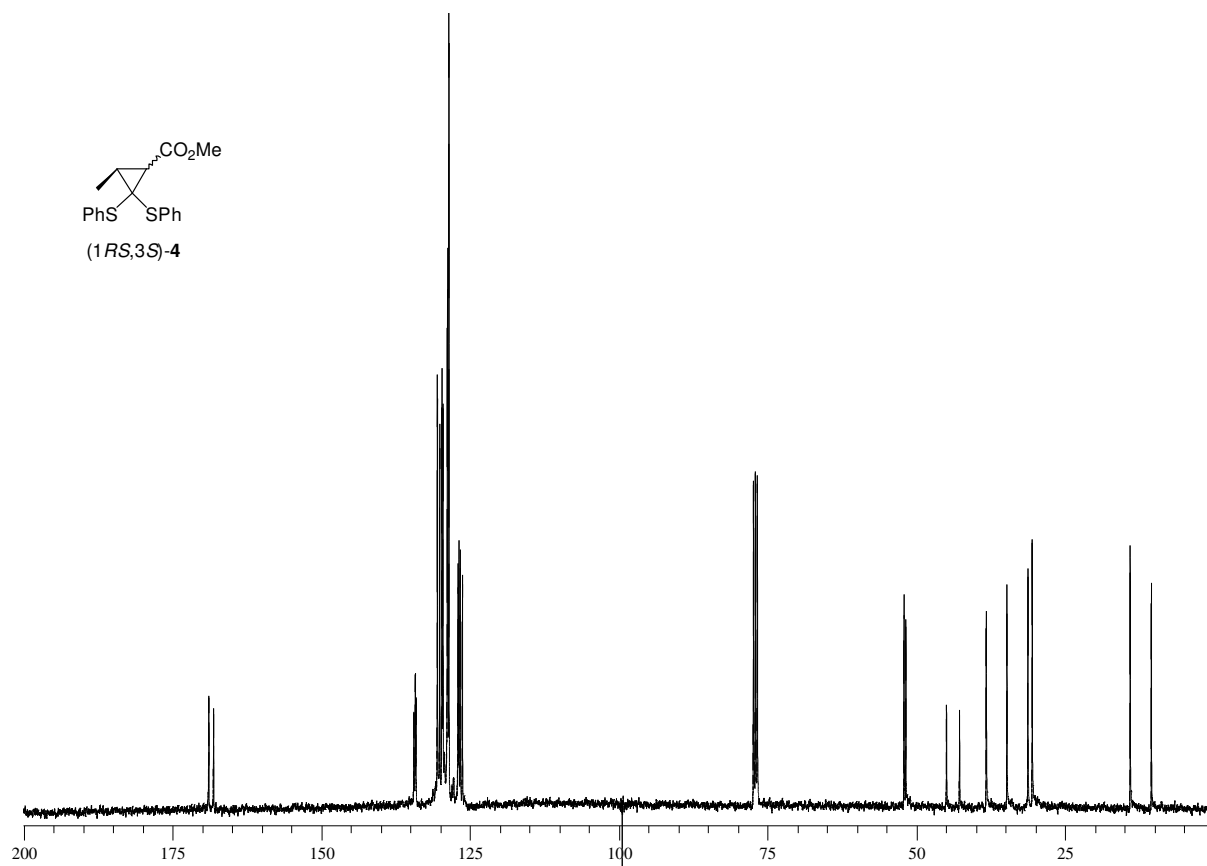
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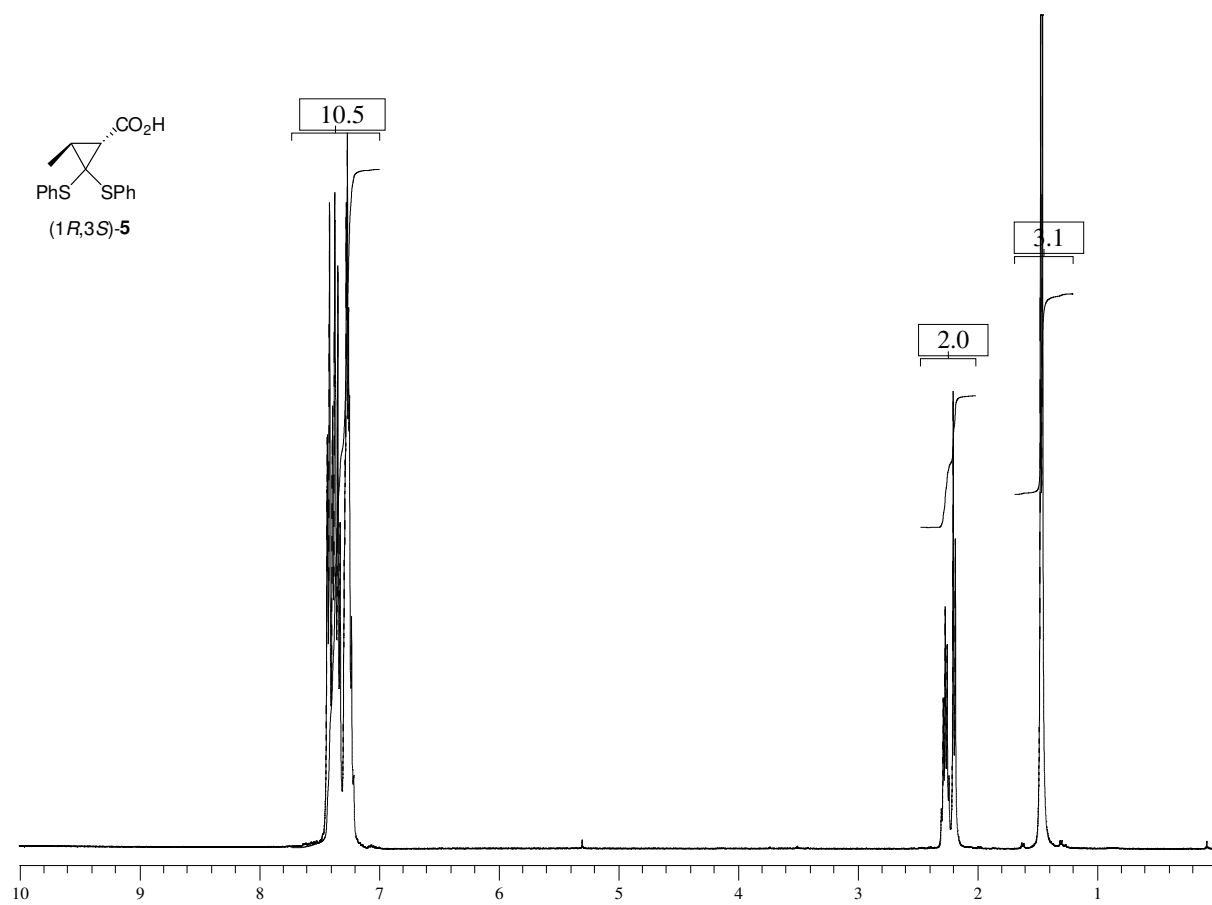
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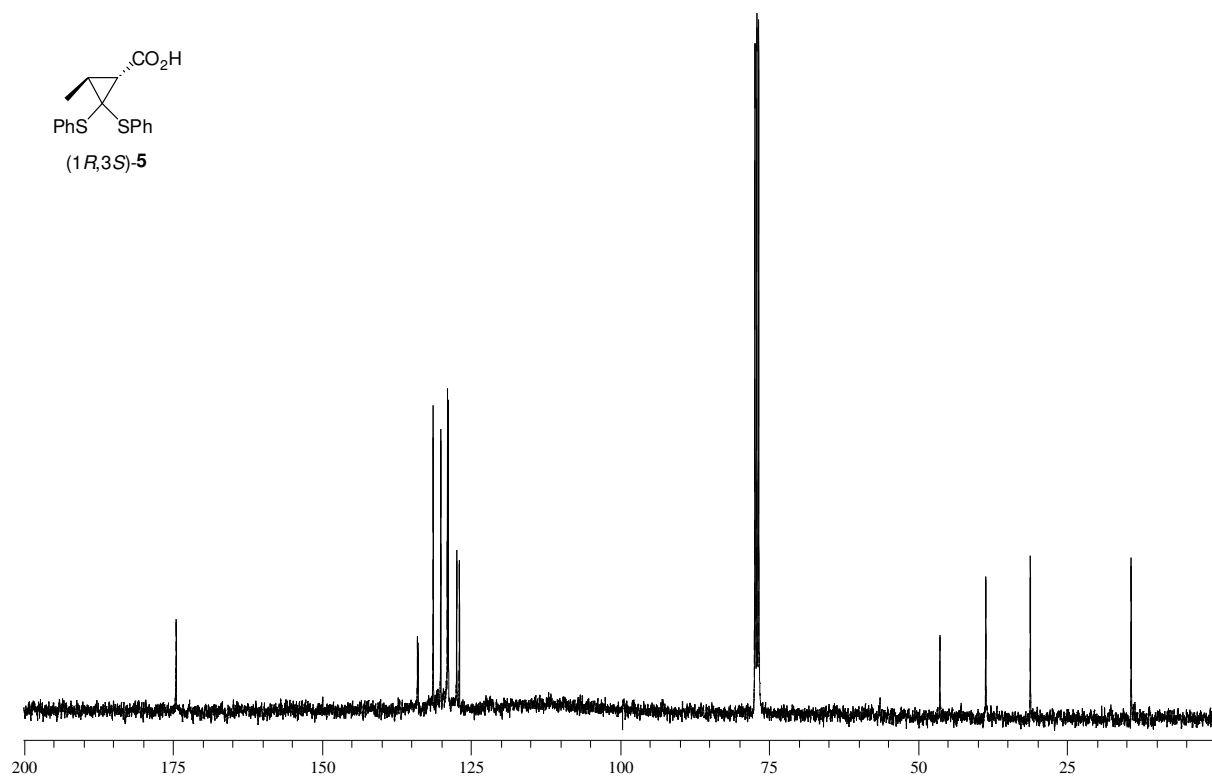
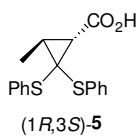


(1*R*,3*S*)-4, ^1H NMR

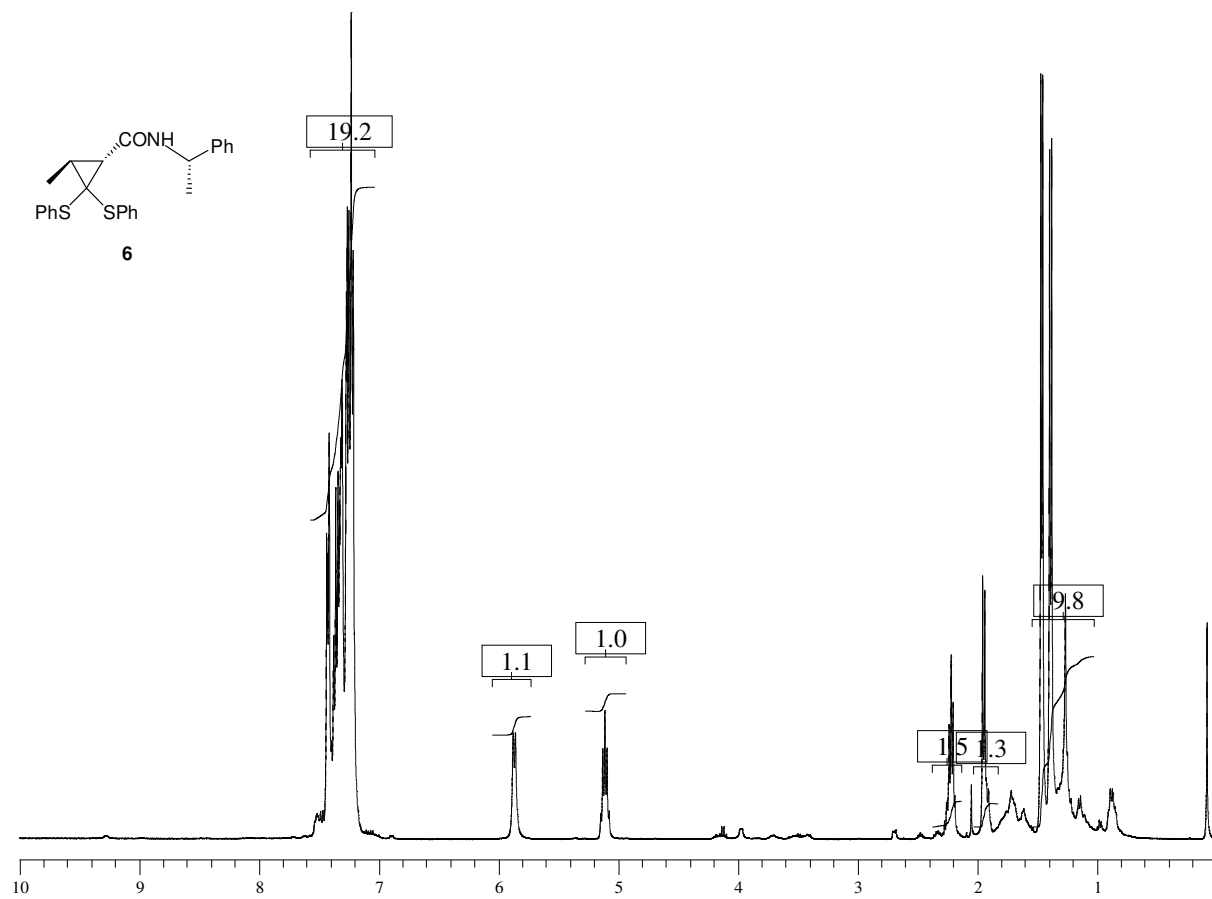


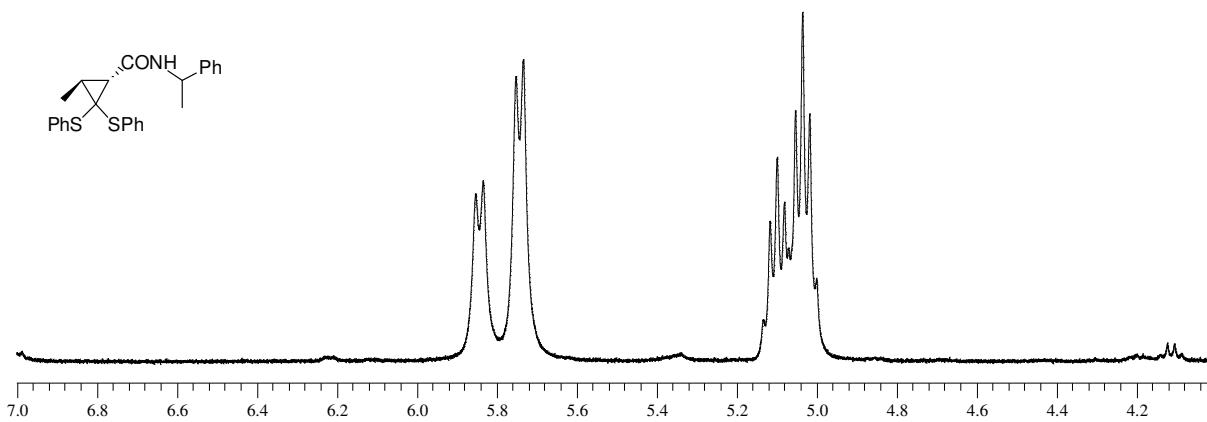
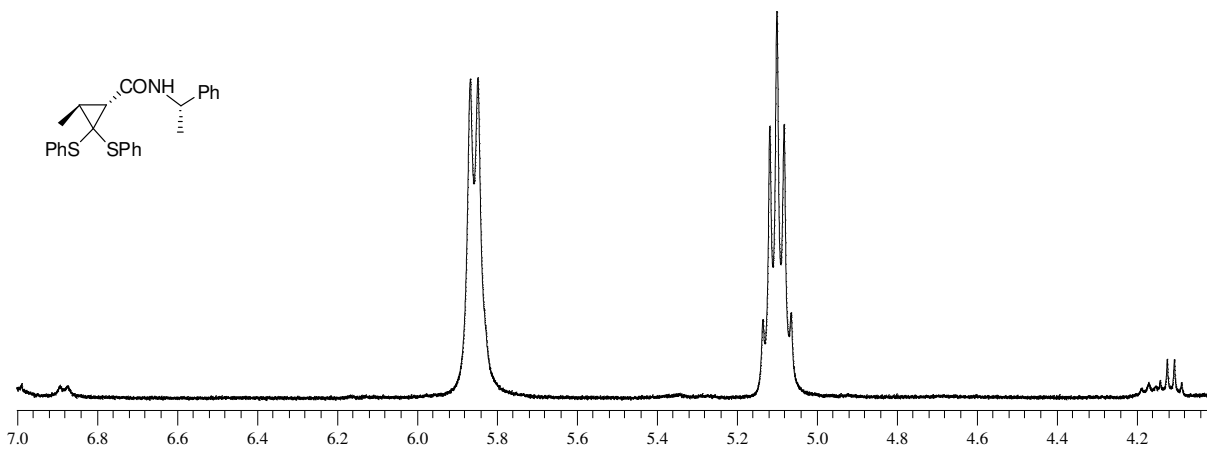
(1*R*,3*S*)-4, ^{13}C NMR

**(1R,3S)-5, ¹H NMR**

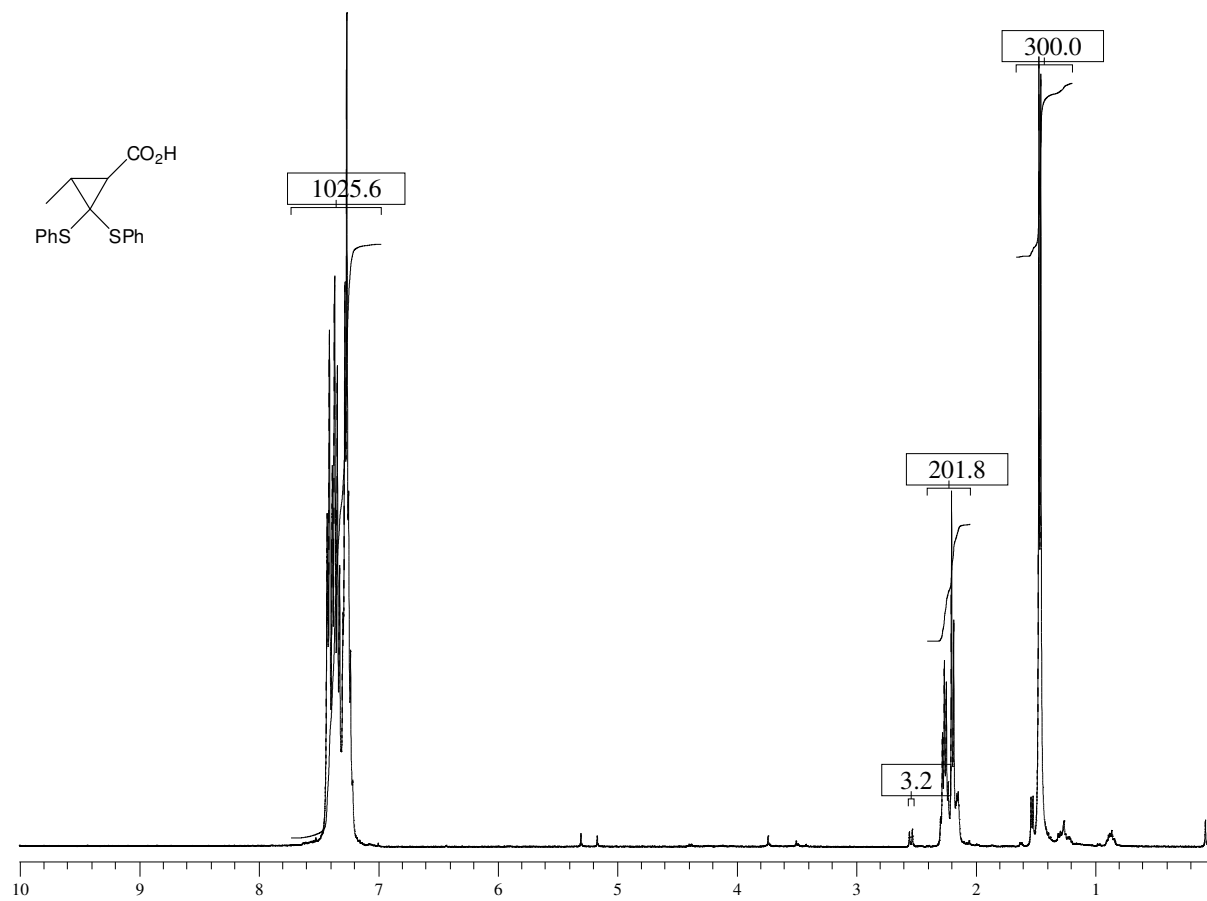


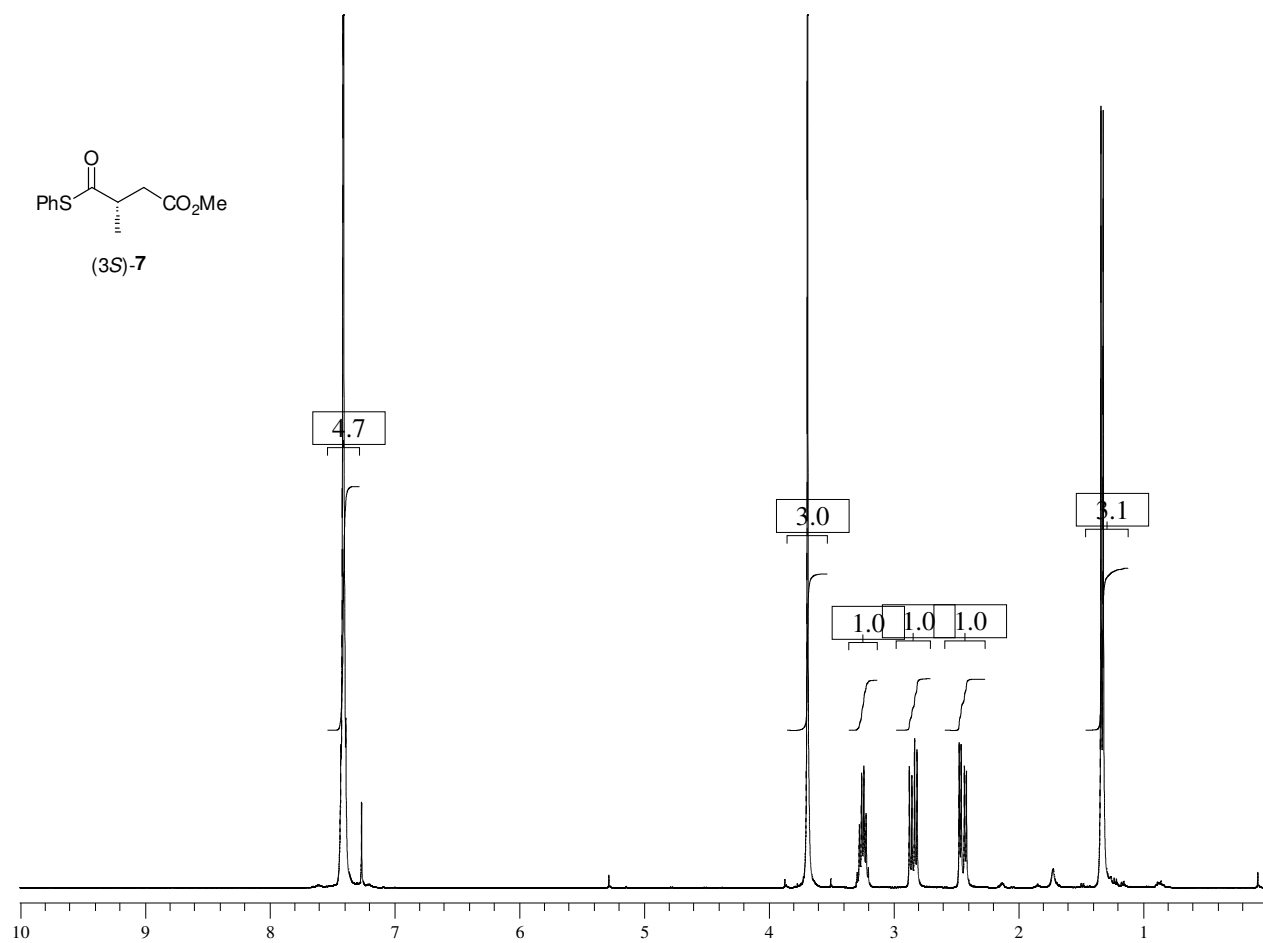
(1*R*,3*S*)-5, ^{13}C NMR

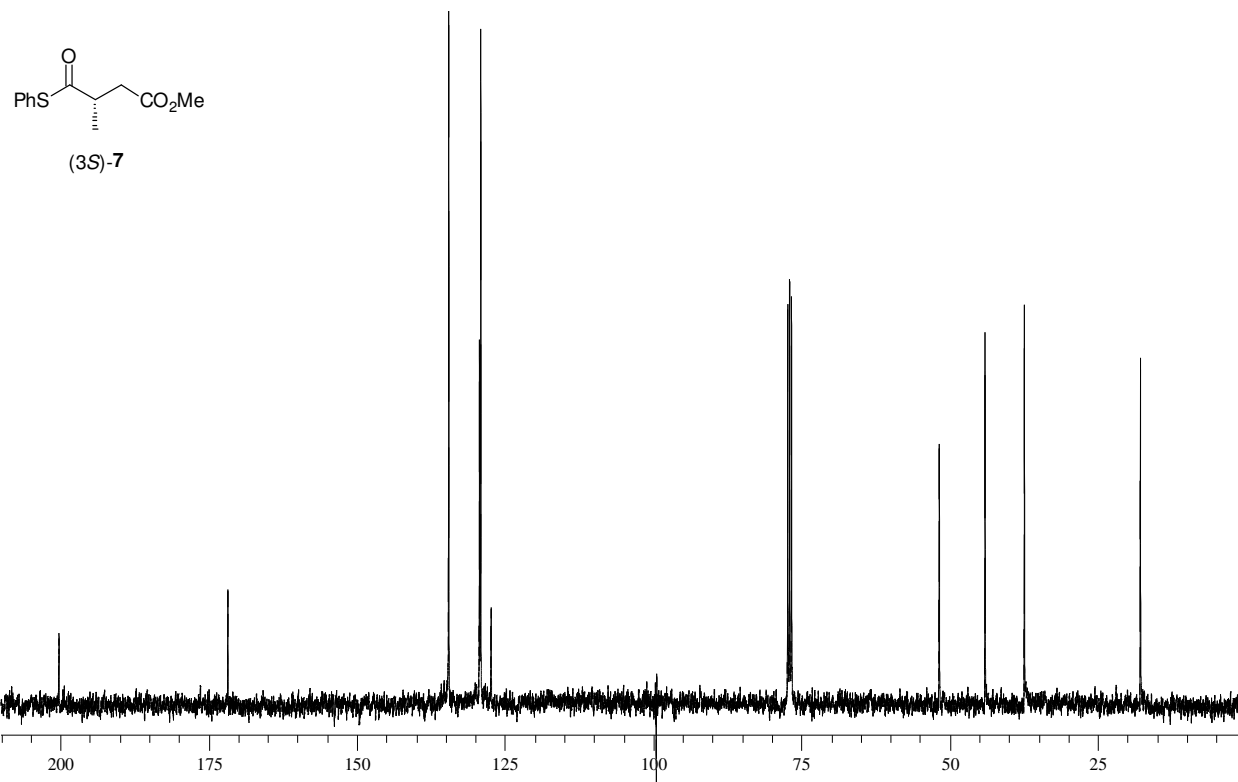
Determination of the enantiomeric purity of (1*R*,3*S*)-5.**6, ¹H NMR**



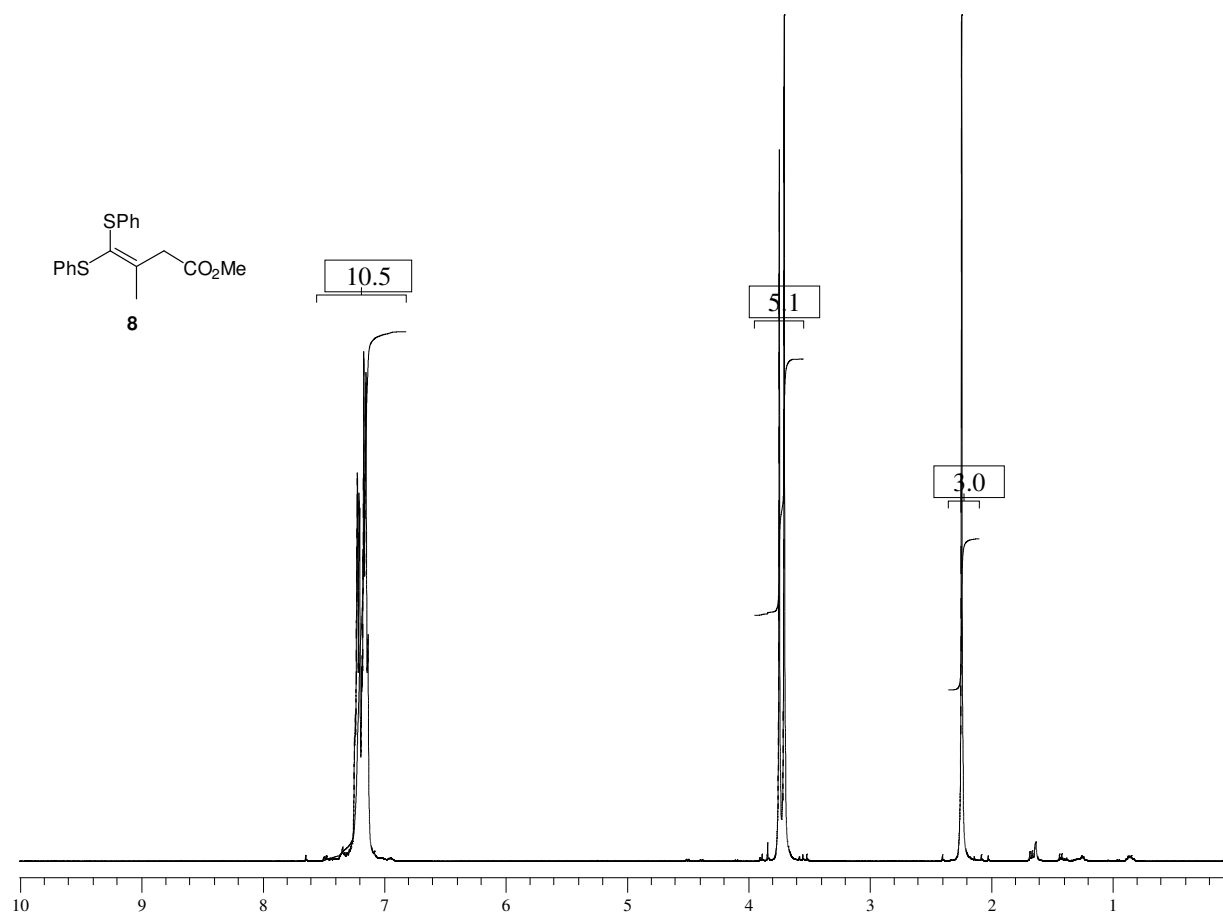
Amide 6 and amide of (1*R*,3*S*)-5 with (±)- α -phenylethylamine, ¹H NMR

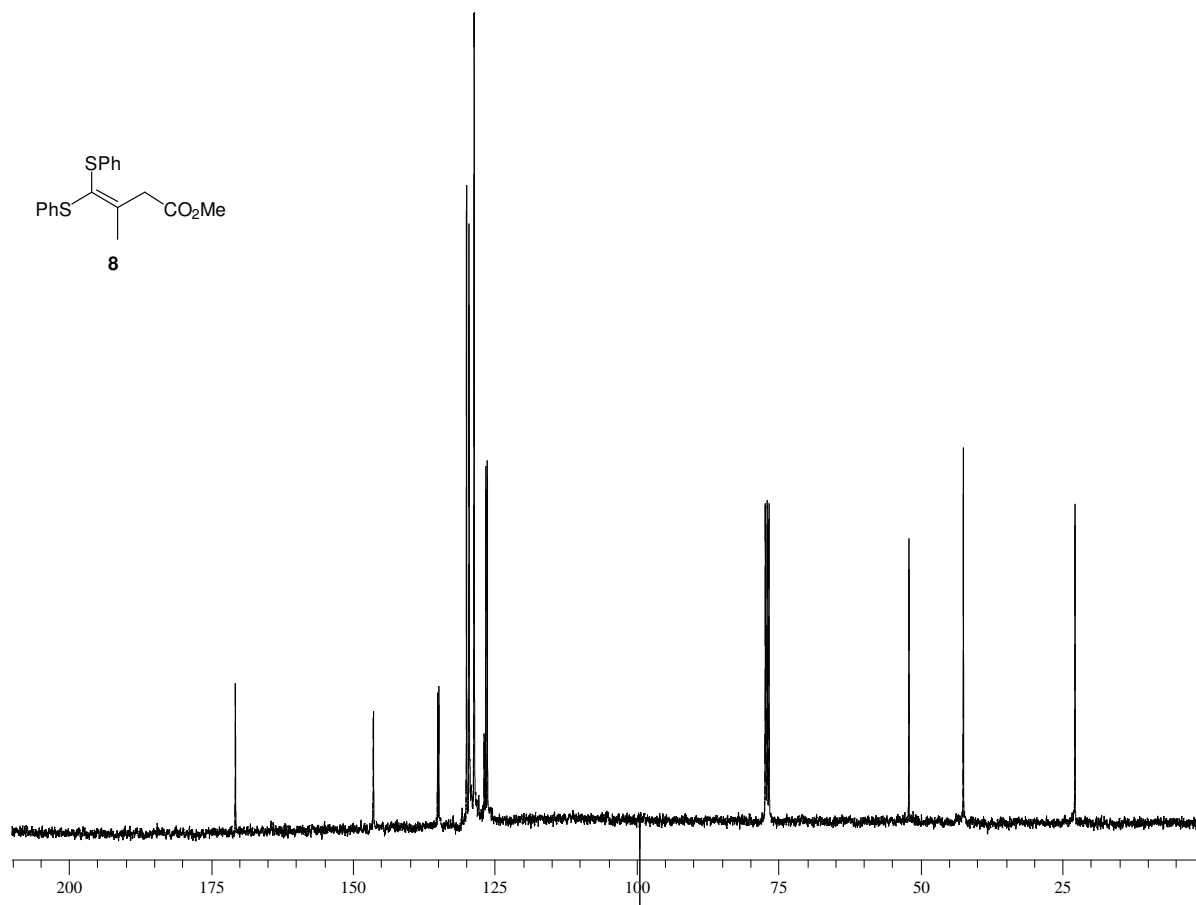
**Racemic 5, ^1H NMR**

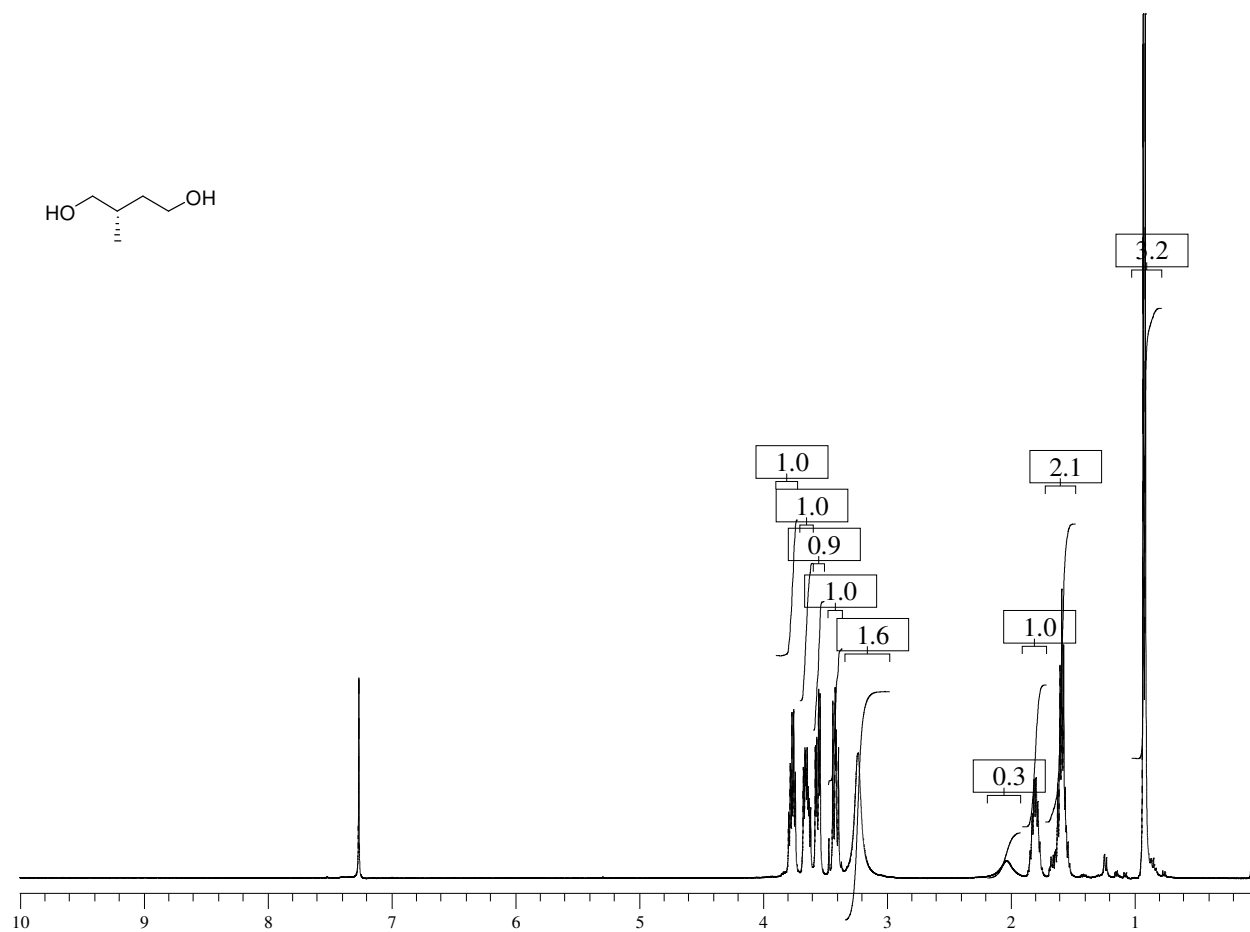
**(3S)-7, ¹H NMR**

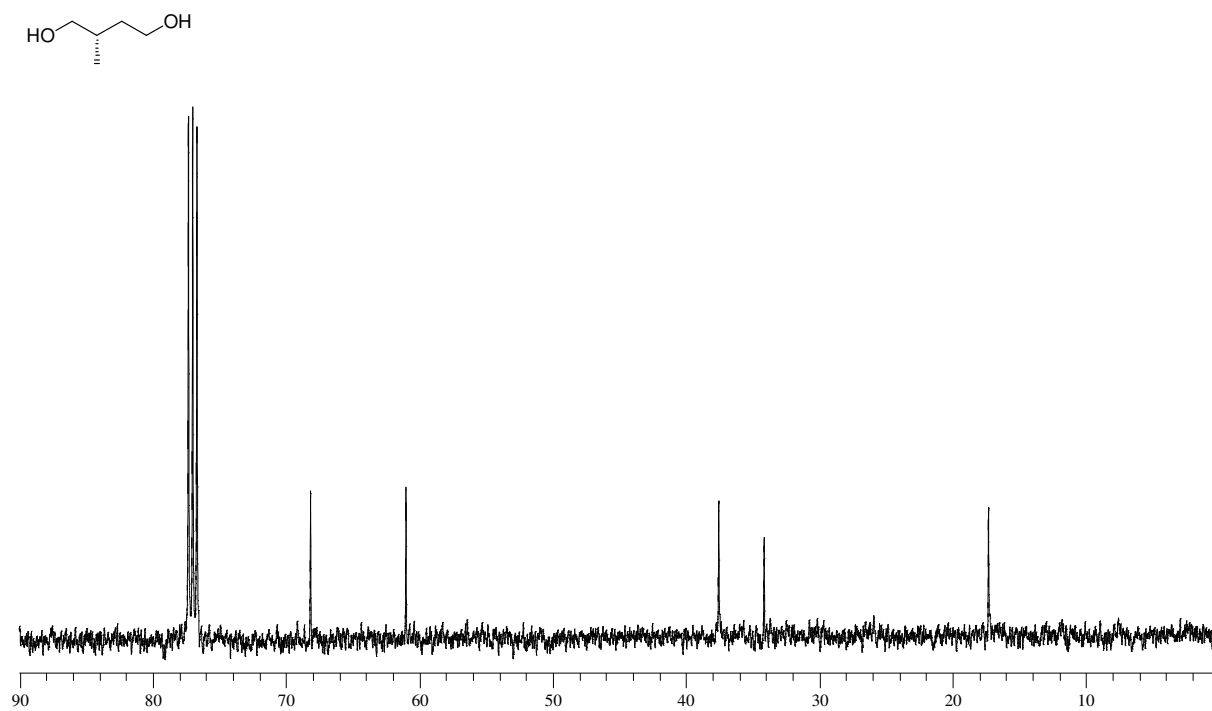


(3S)-7, ¹³C NMR

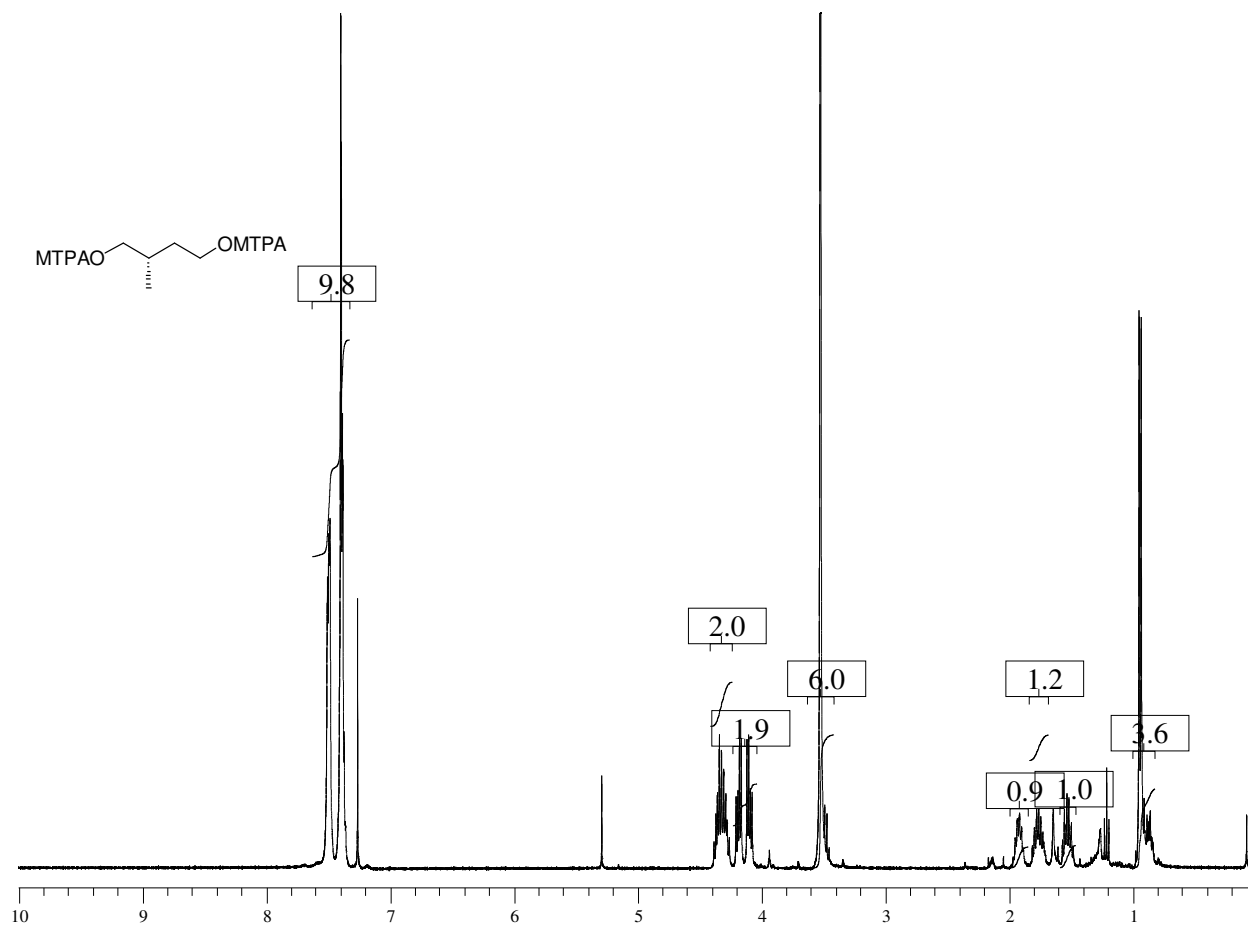
**8**, ^1H NMR

**8**, ^{13}C NMR

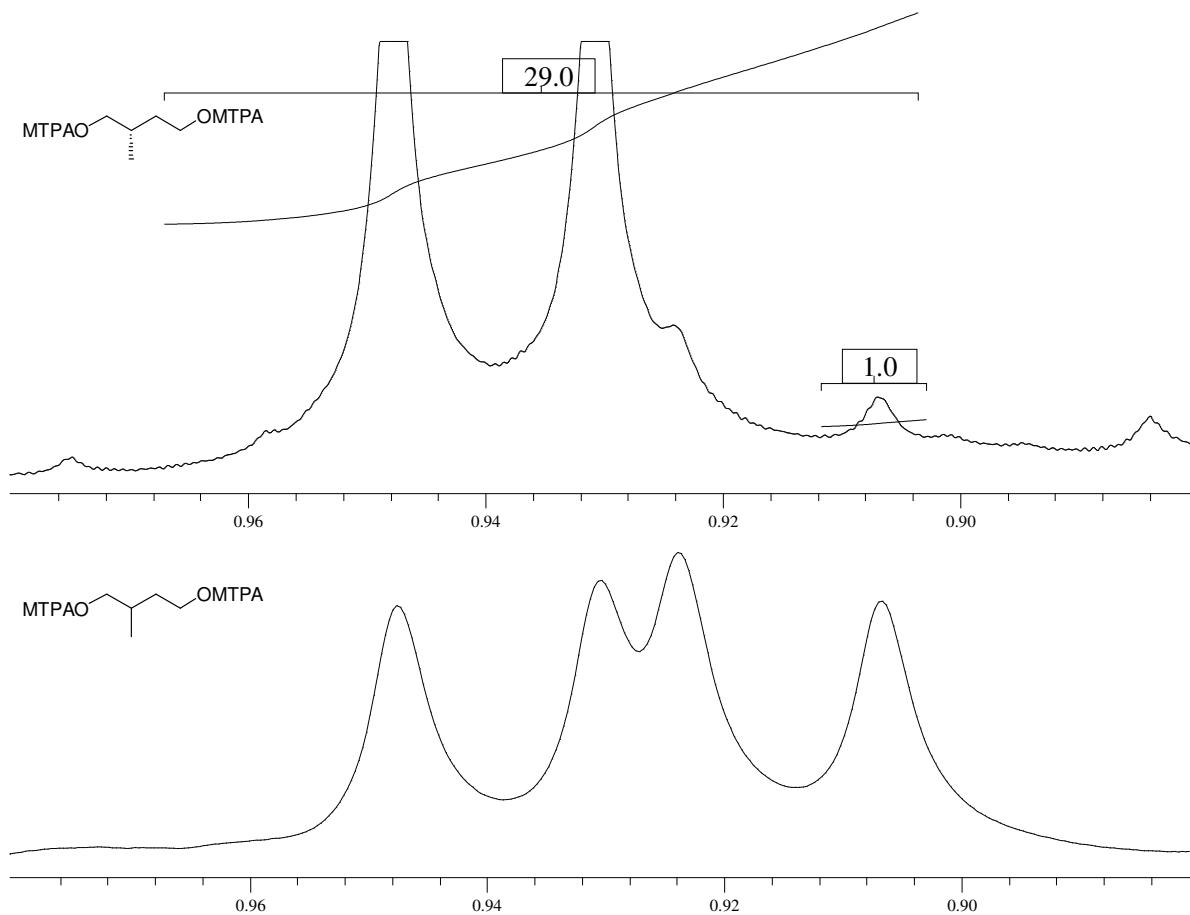
Determination of the enantiomeric purity of (3*S*)-7(2*S*)-2-Methylbutane-1,4-diol, ¹H NMR



(2S)-2-Methylbutane-1,4-diol, ^{13}C NMR



(*R*)-Mosher ester of (*2S*)-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