

Electronic Supporting Information

Sterically controlled diastereoselectivity in thio-Staudinger cycloadditions of alkyl/alkenyl/aryl-substituted thioketenes

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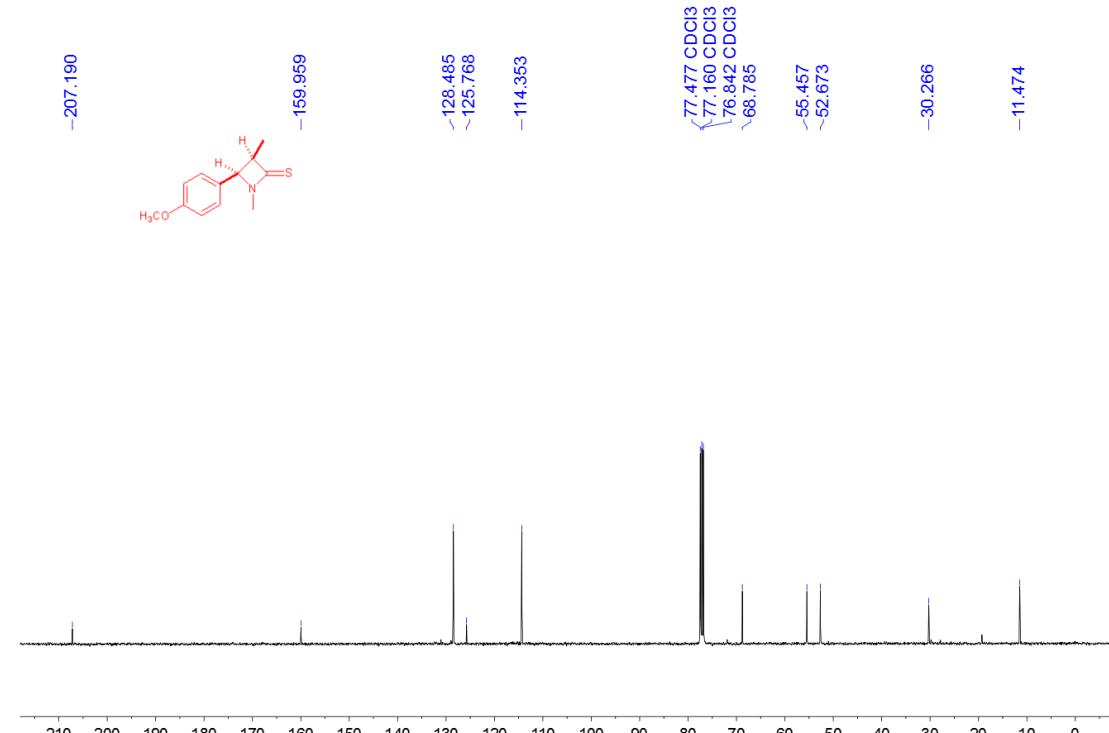
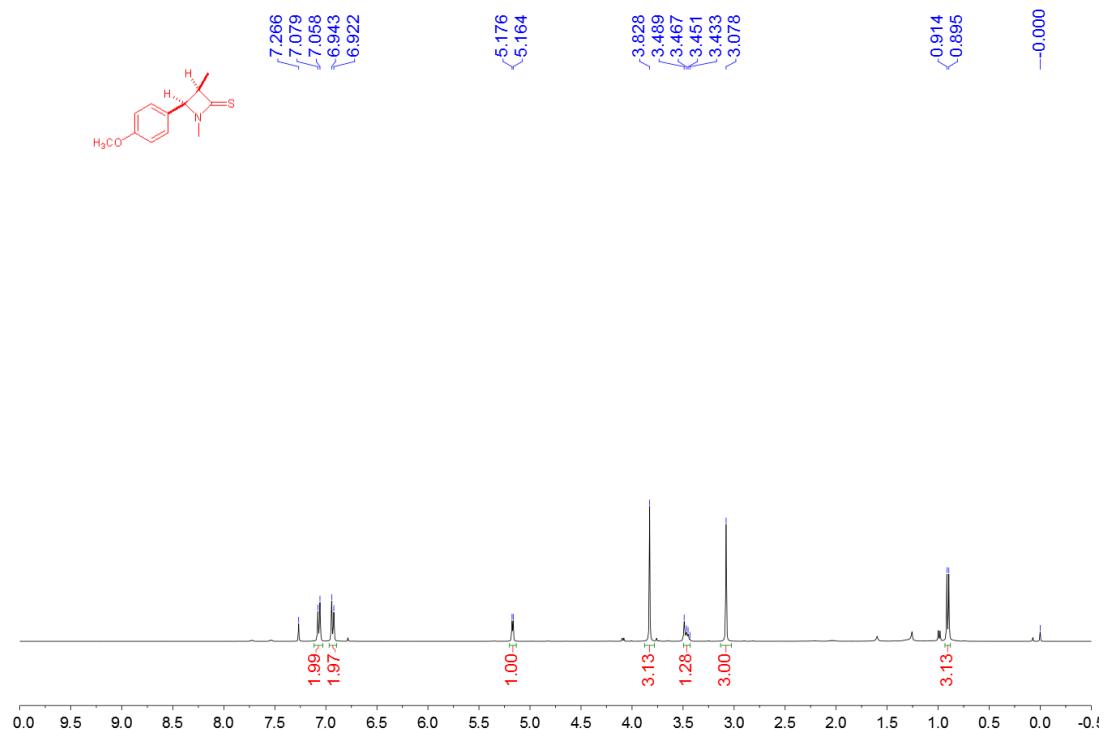
Beijing 100029, People's Republic of China

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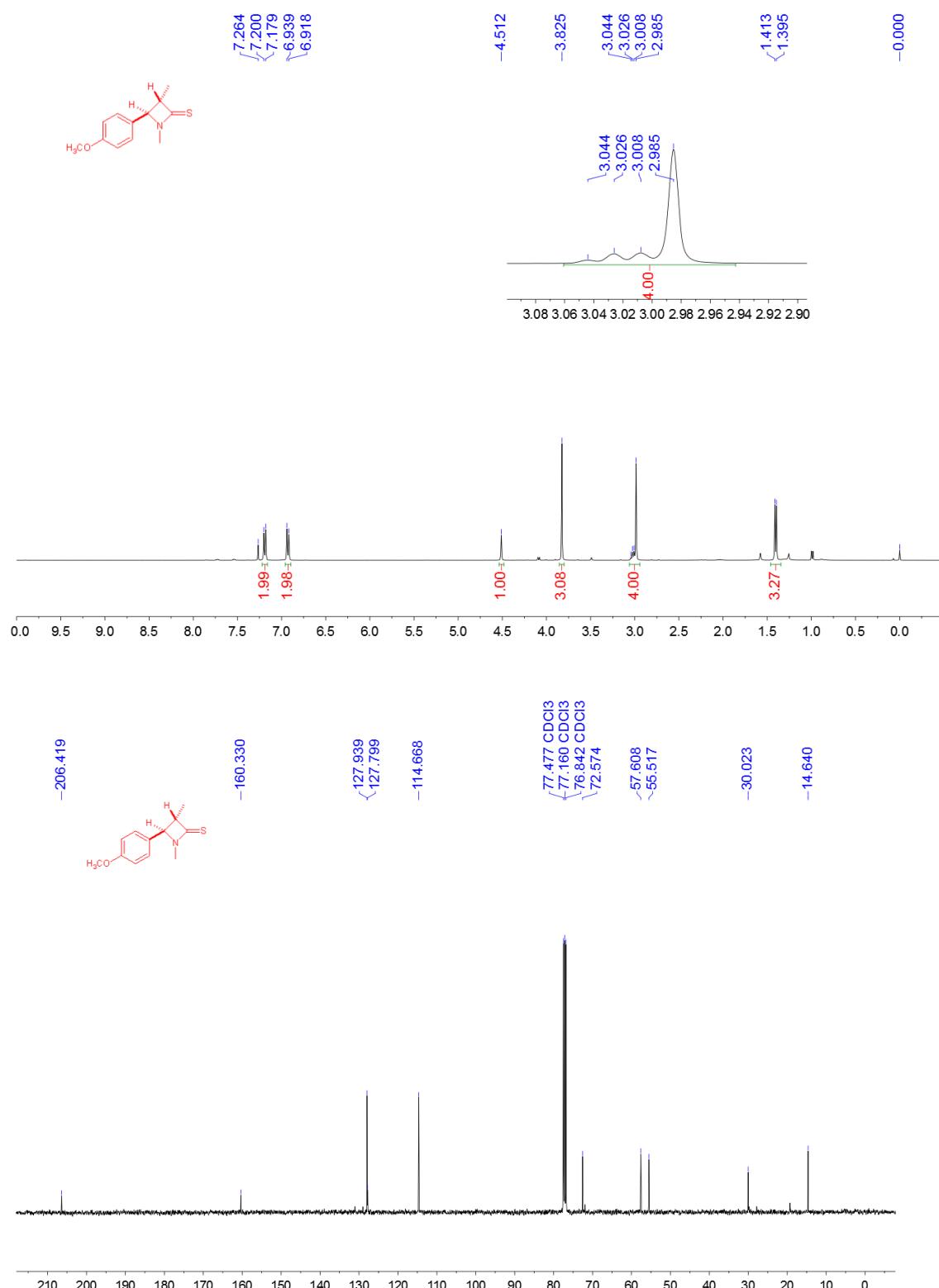
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2. Copies of ^1H NMR of reaction mixtures.....	S7

1. Copies of ^1H and ^{13}C NMR Spectra of β -thiolactams.

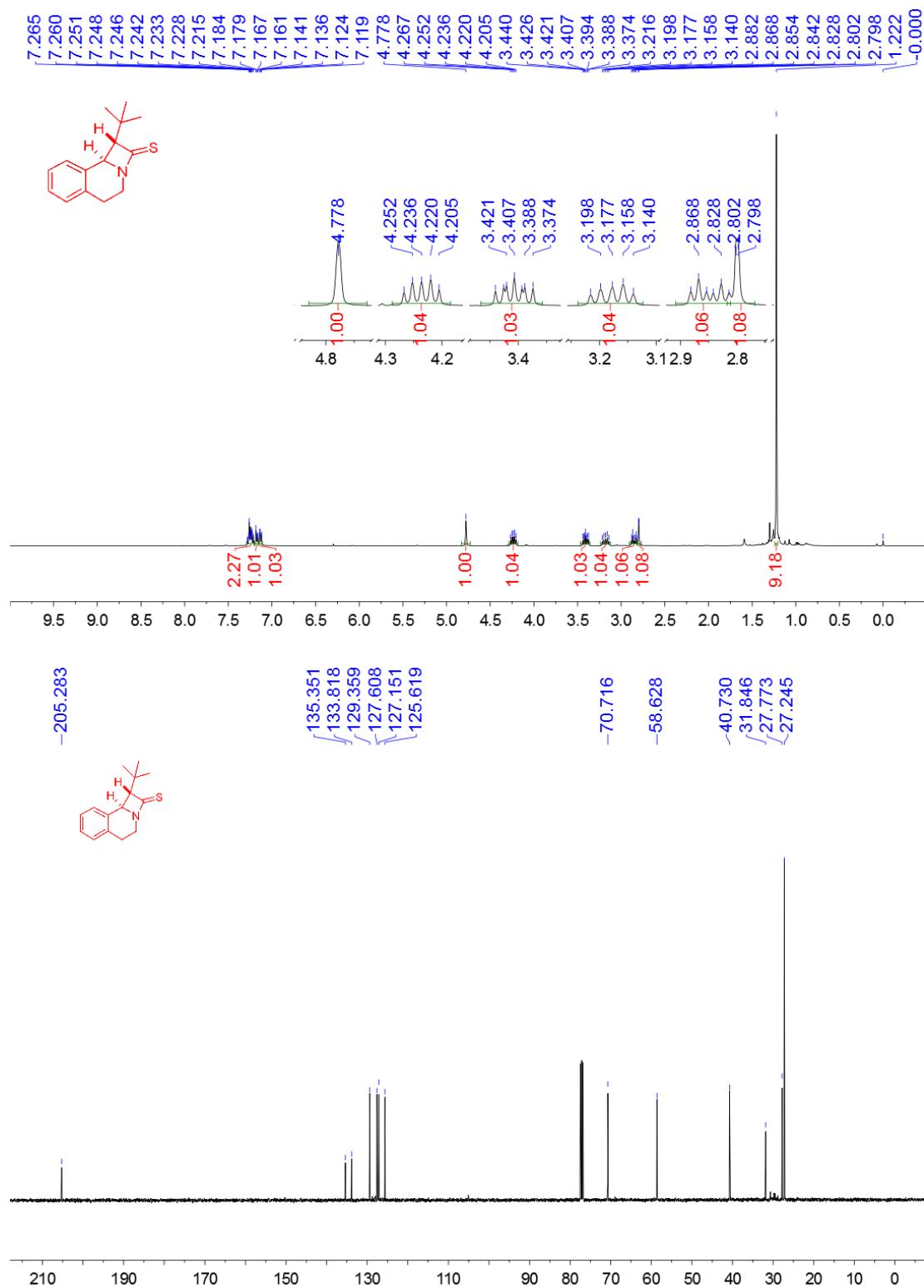
cis-4-(4-Methoxyphenyl)-1,3-dimethylazetidine-2-thione (3l)

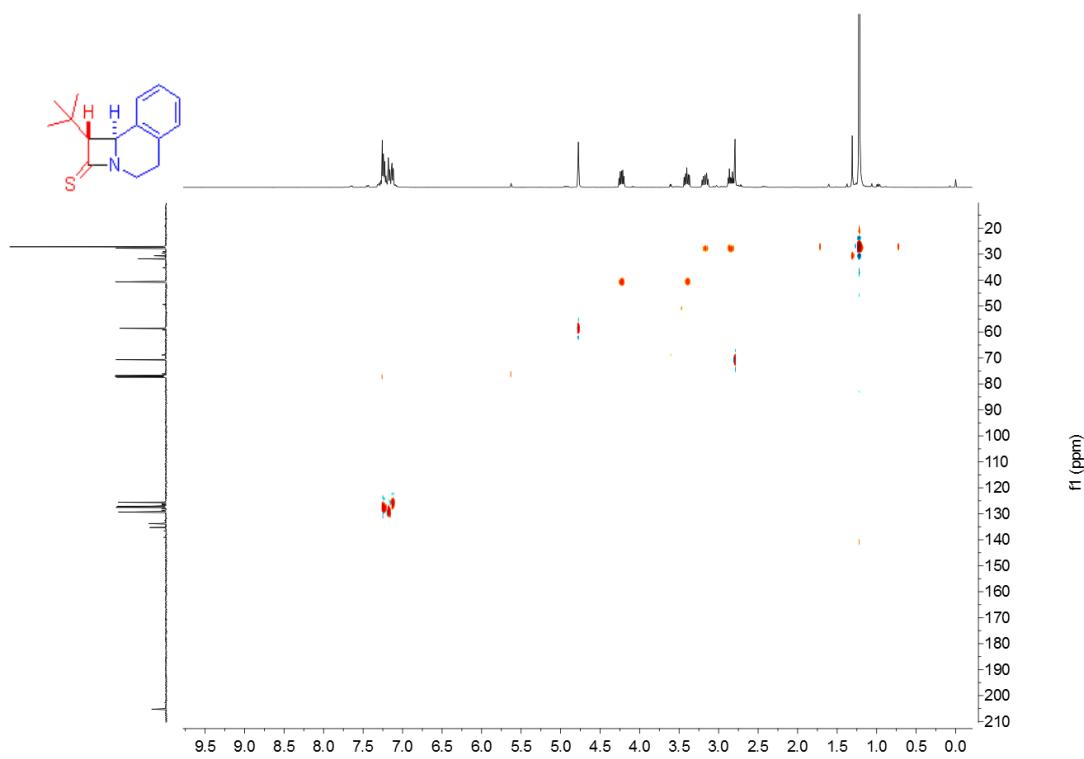


***trans*-4-(4-Methoxyphenyl)-1,3-dimethylazetidine-2-thione (4l)**

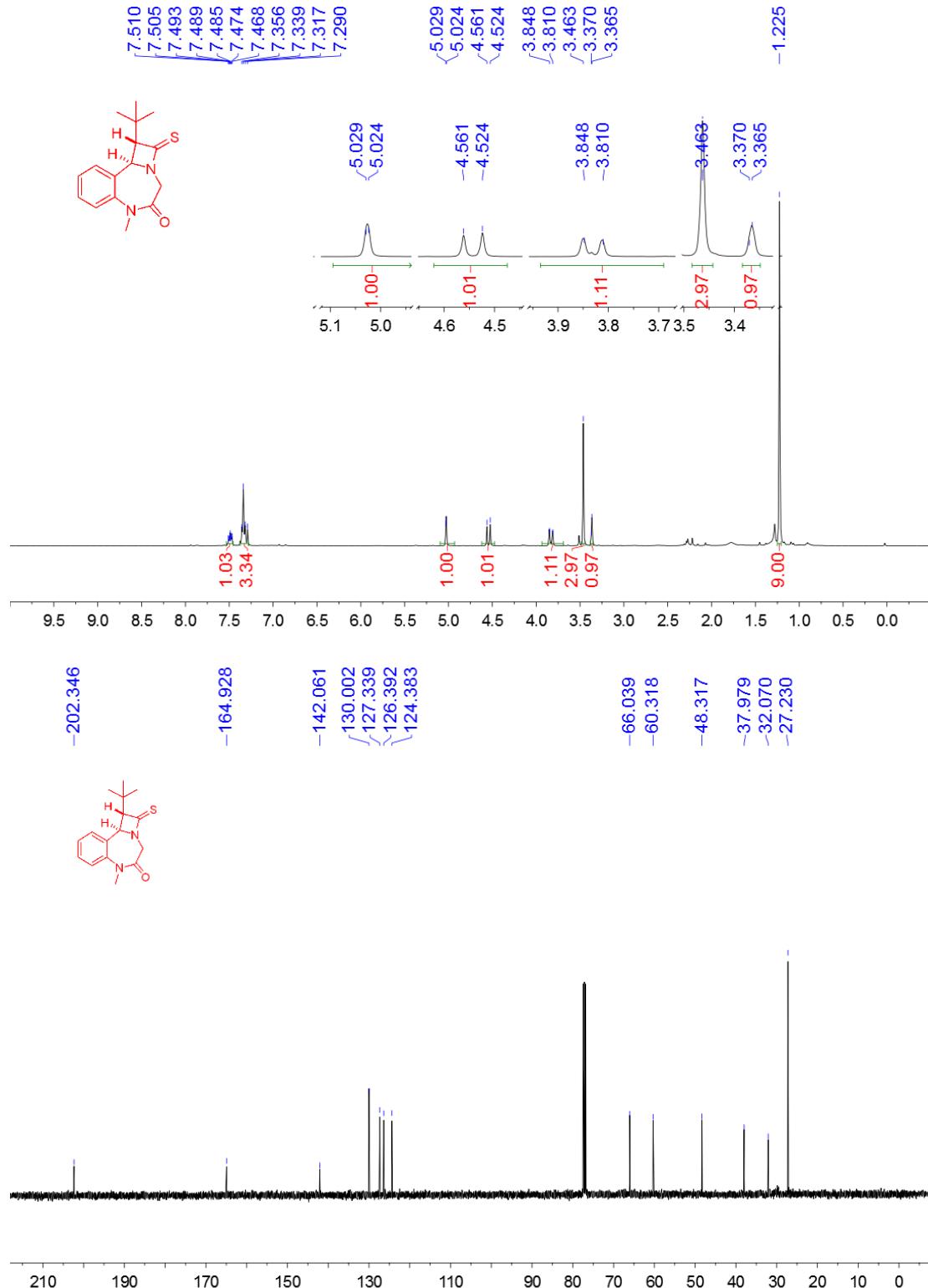


rel(1*S*,9*b**R*)-1-(*tert*-Butyl)-1,4,5,9*b*-tetrahydro-2*H*-azeto[2,1-*a*]isoquinoline-2-thione (7k)



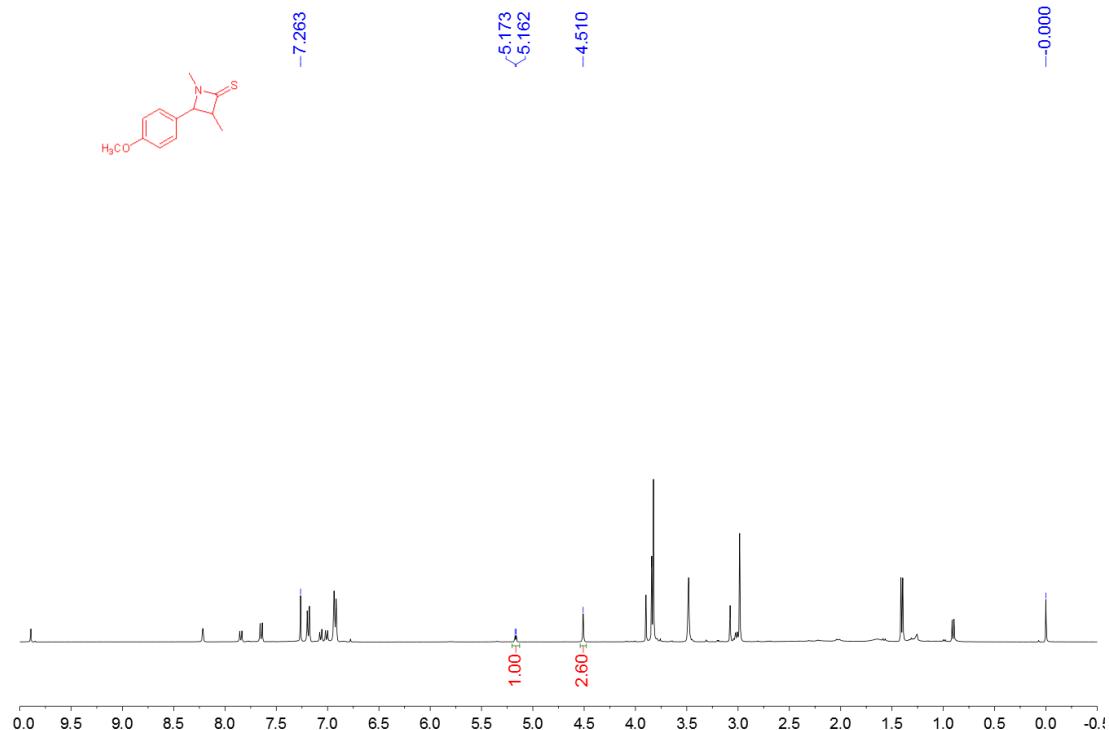


rel(1*S*,10*b**R*)-1-(*tert*-Butyl)-6-methyl-2-thioxo-1,2,6,10*b*-tetrahydroazeto[1,2-*d*]benzo[*f*][1,4]diazepin-5(4*H*)-one (**10**)



2. Copies of ^1H NMR of reaction mixtures.

^1H NMR of crude reaction mixture for the reaction of **2a** and **9b**. [trans/cis = 76:24]



^1H NMR of crude epimerization mixture for **3l**. [trans/cis = 52:48]

