

Insights into the β -Sultam Ring Formation in the sulfa-Staudinger Cycloadditions

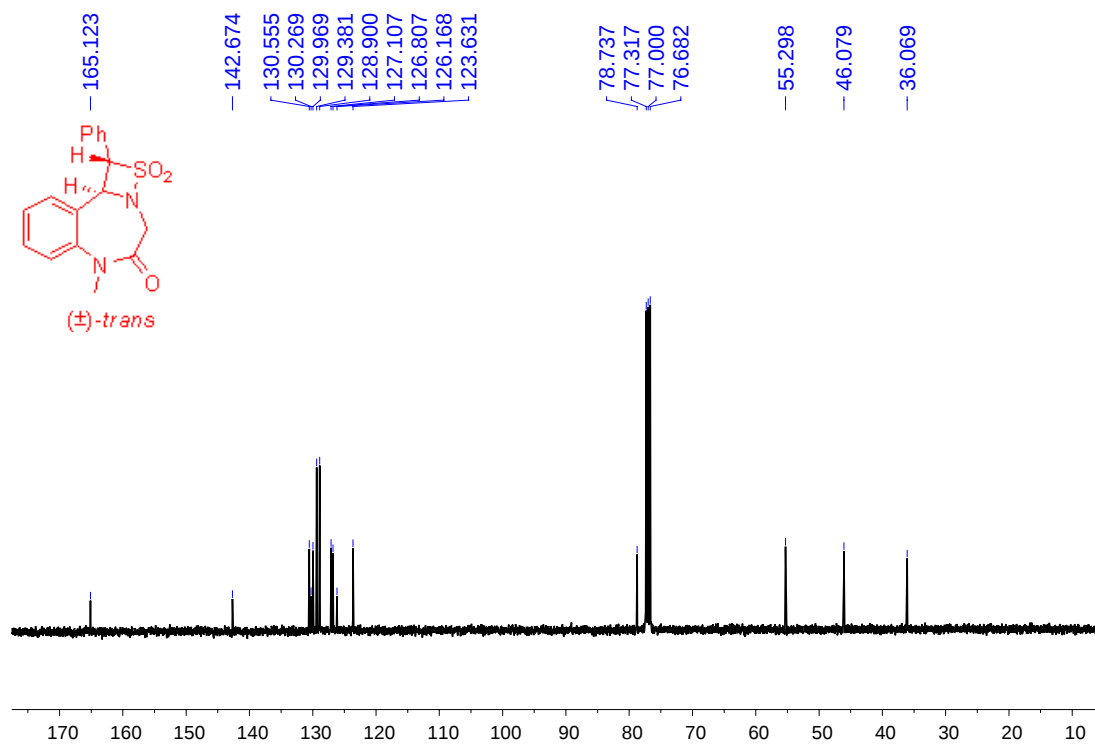
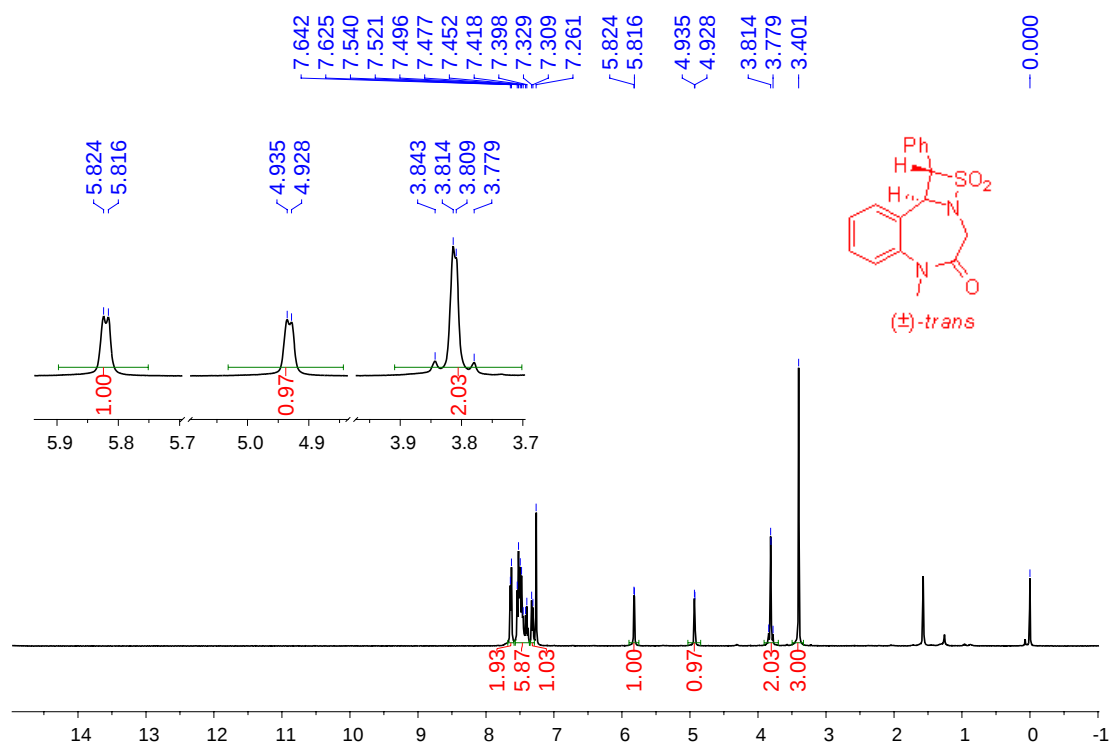
Zhanhui Yang and Jiayi Xu*

jxxu@mail.buct.edu.cn

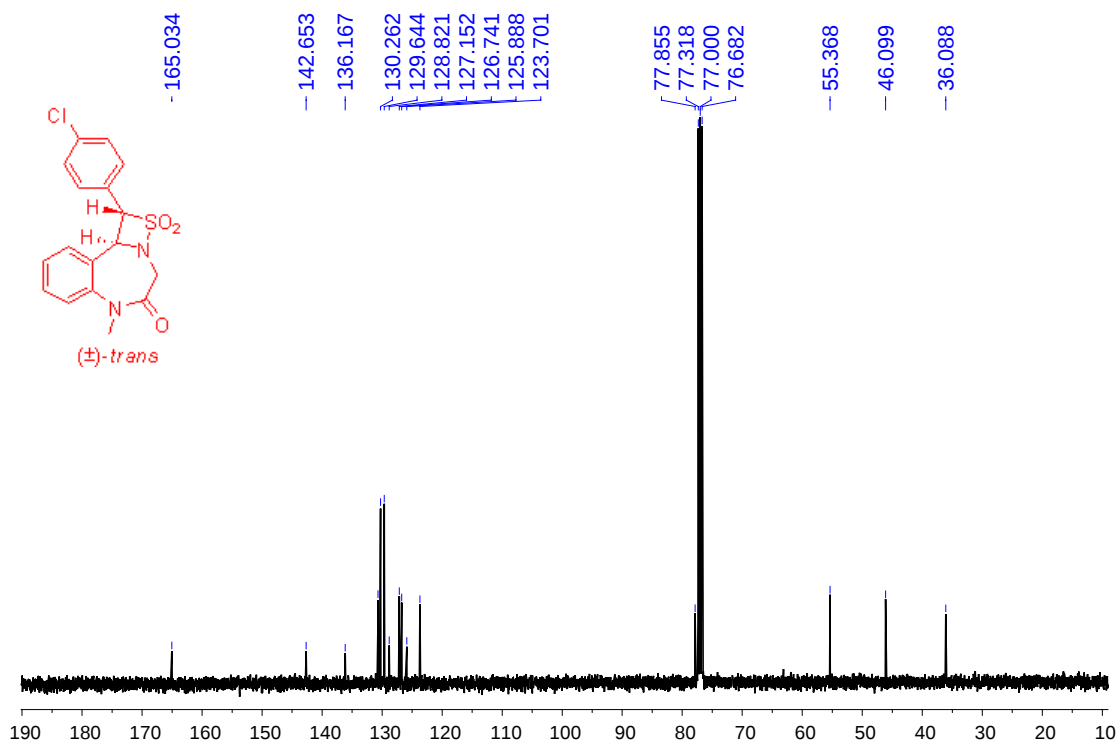
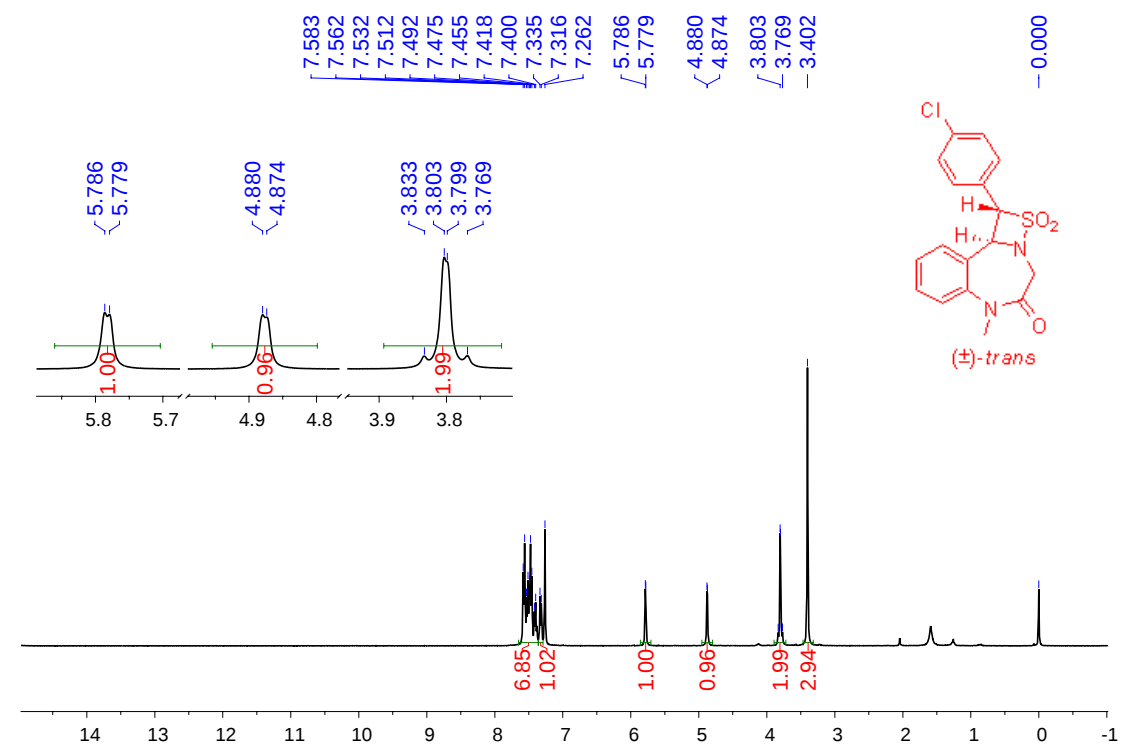
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Beijing 100029, People's Republic of China

Copies of ^1H and ^{13}C NMR spectra of products 5 and 7

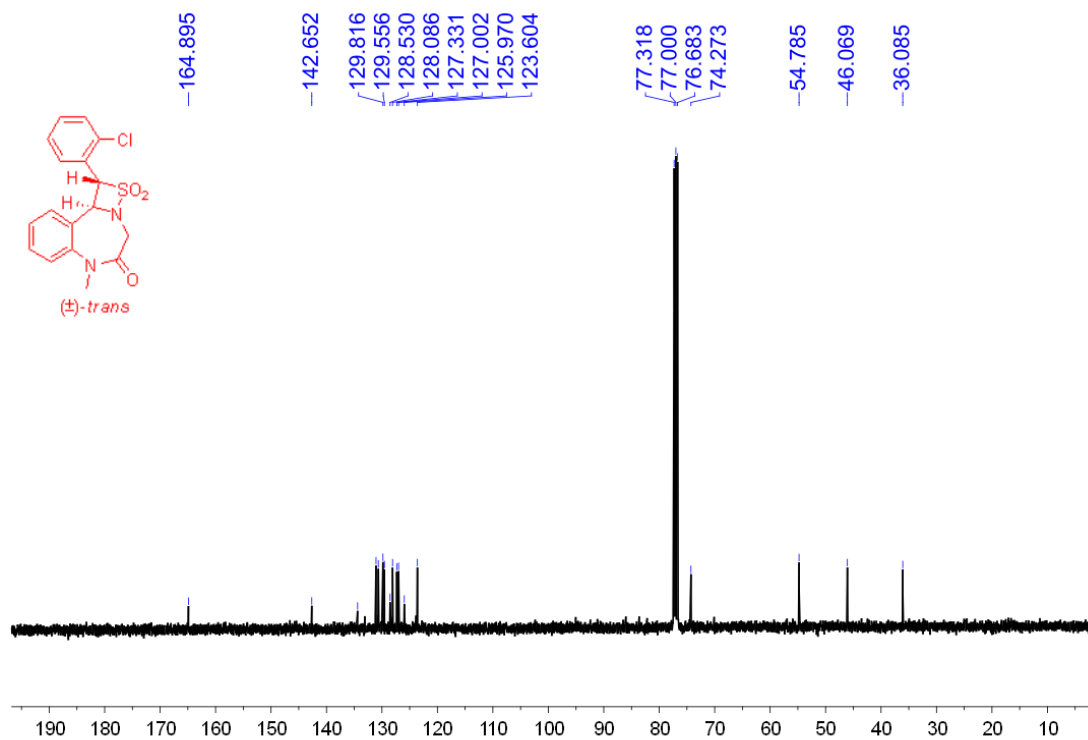
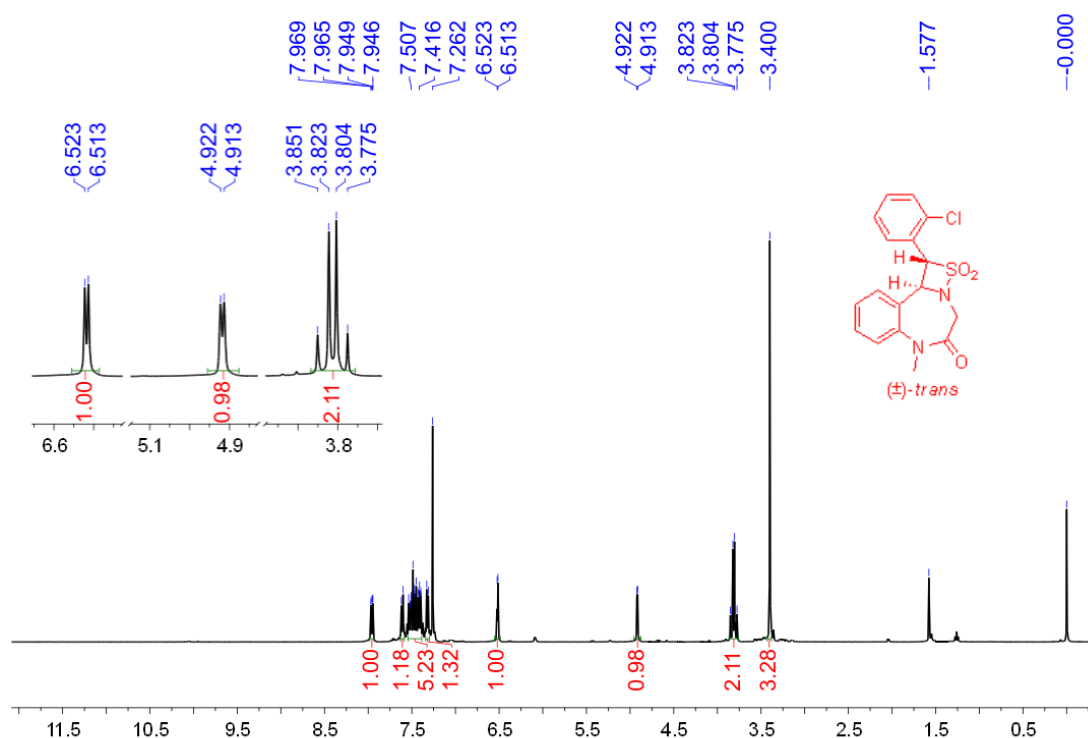
trans-6-methyl-1-phenyl-6,10b-dihydro-1*H*-benzo[*f*][1,2]thiazeto[2,3-*d*][1,4]diazepin-5(4*H*)-one 2,2-dioxide (5a)



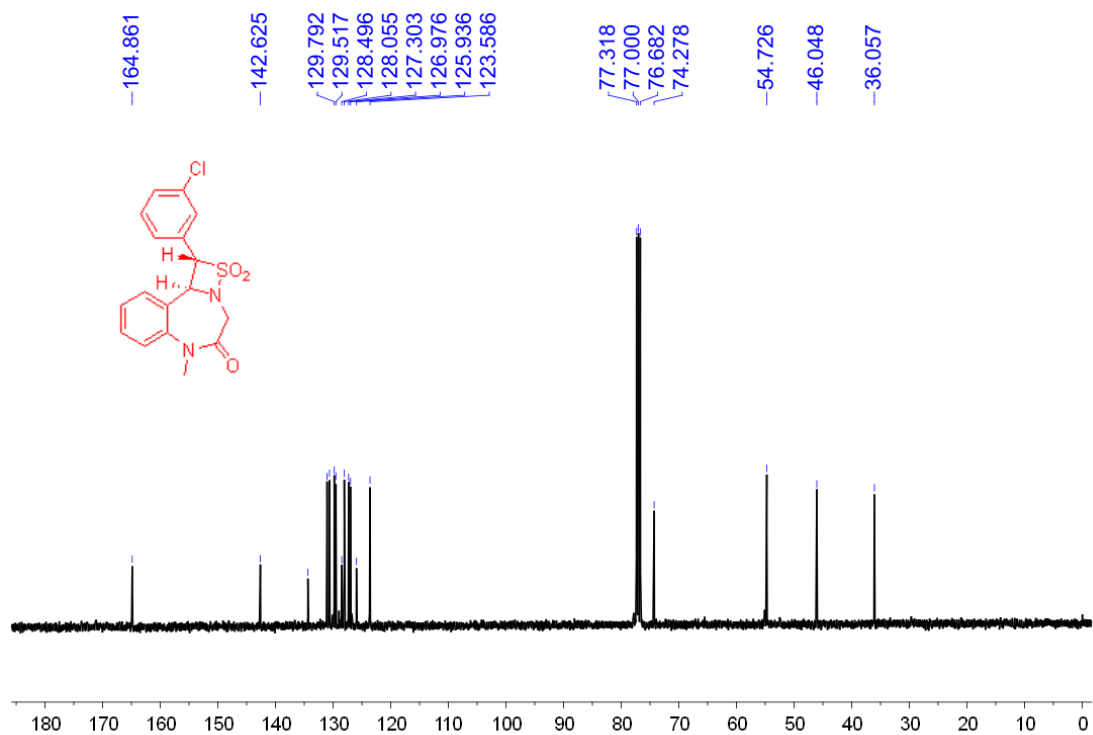
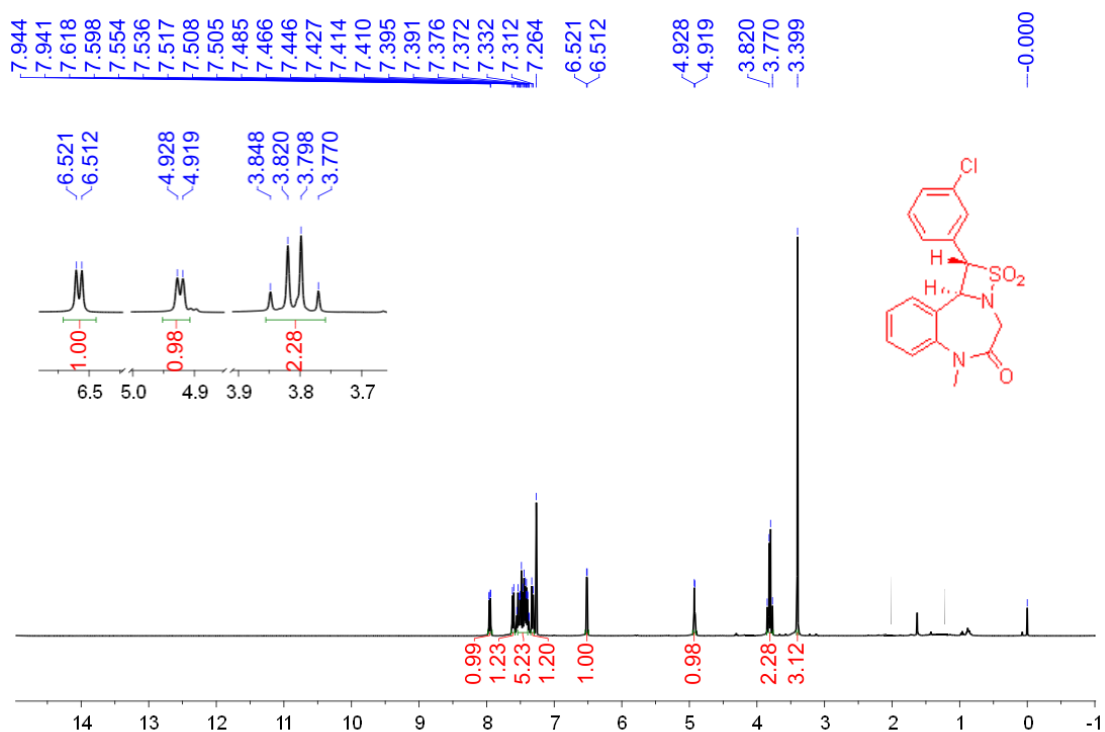
***trans*-1-(4-chlorophenyl)-6-methyl-6,10b-dihydro-1*H*-benzo[*f*][1,2]thiazeto[2,3-*d*][1,4]diazepin-5(4*H*)-one 2,2-dioxide (5b)**



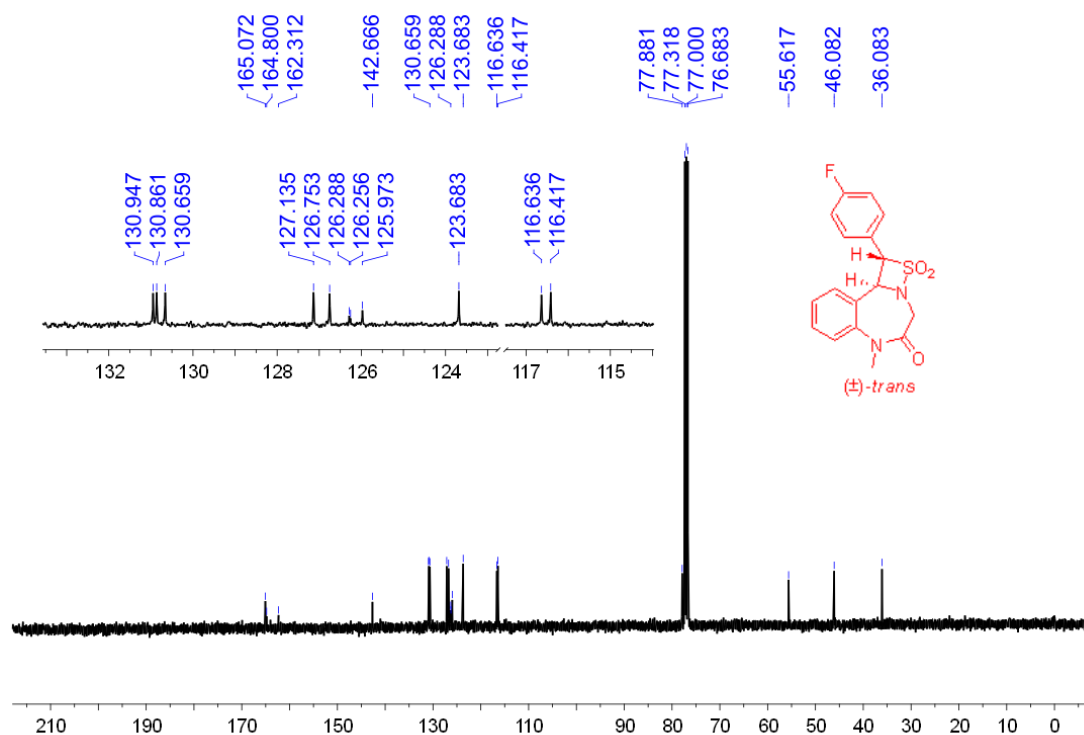
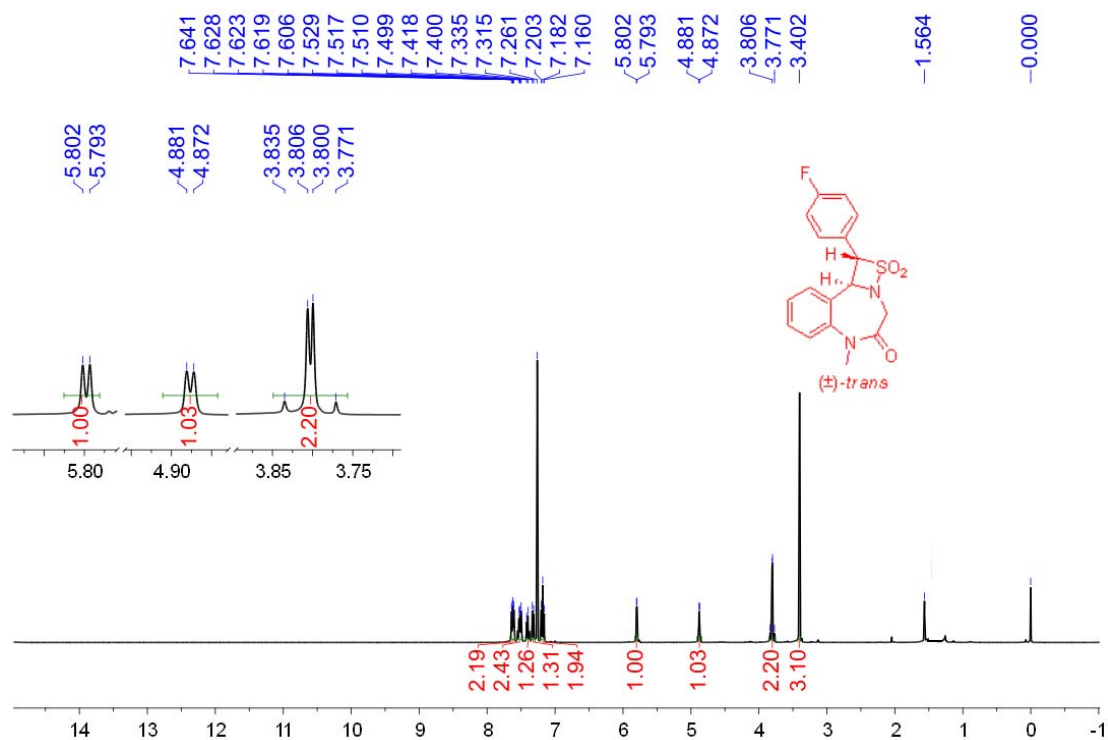
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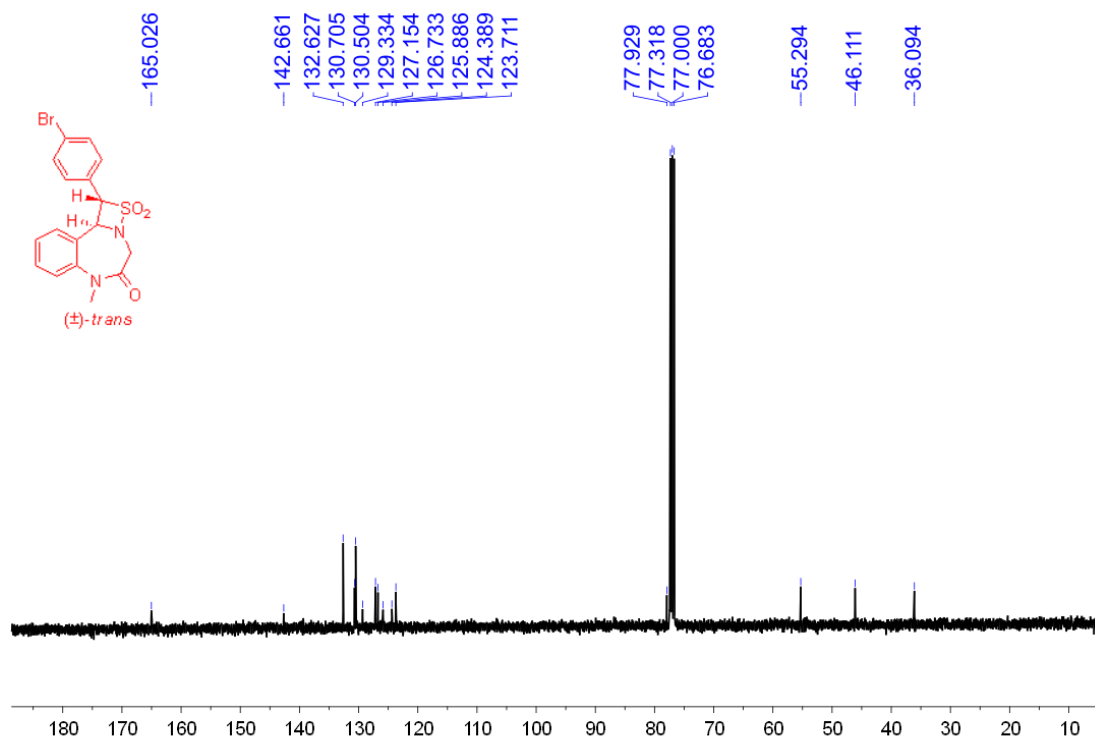
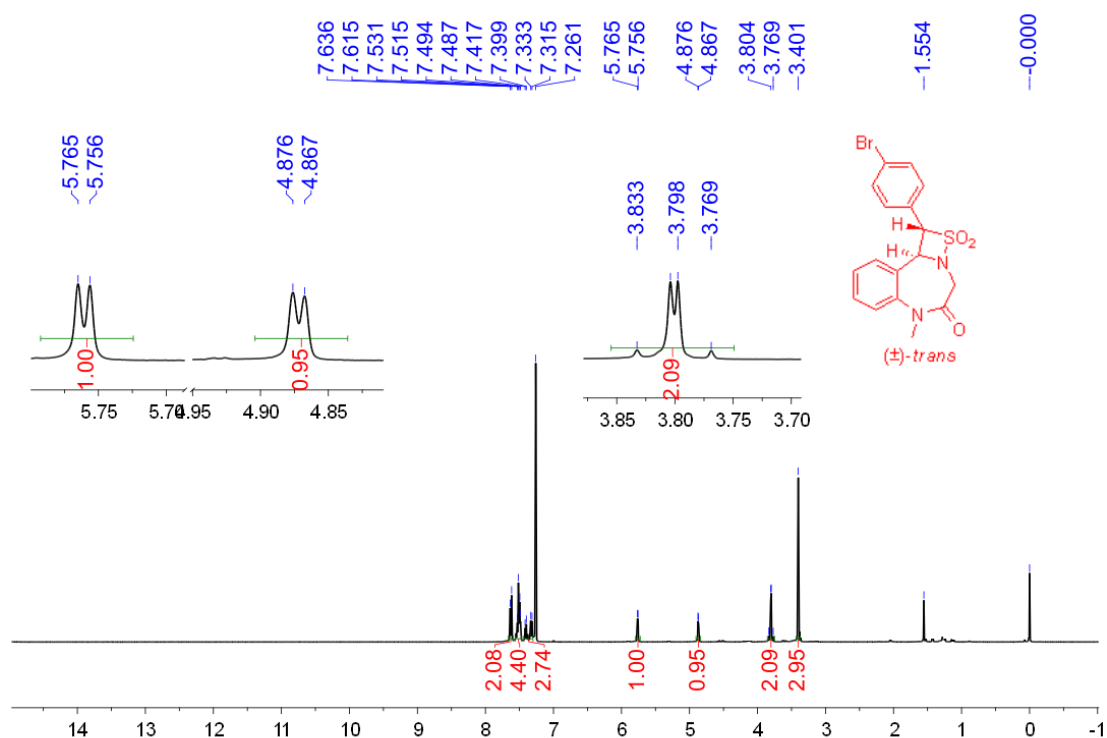
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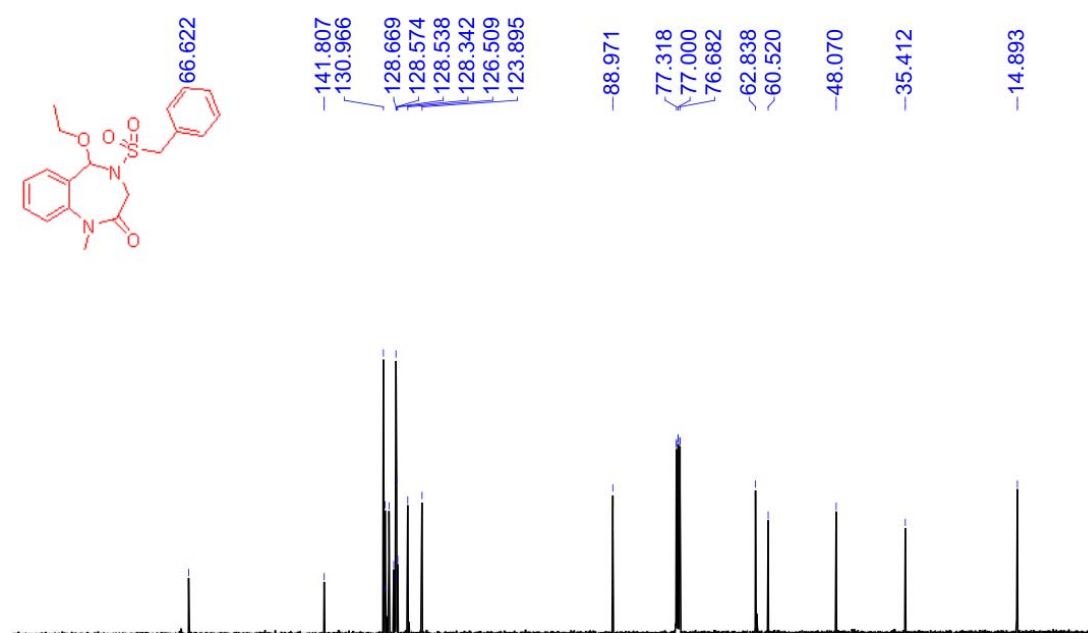
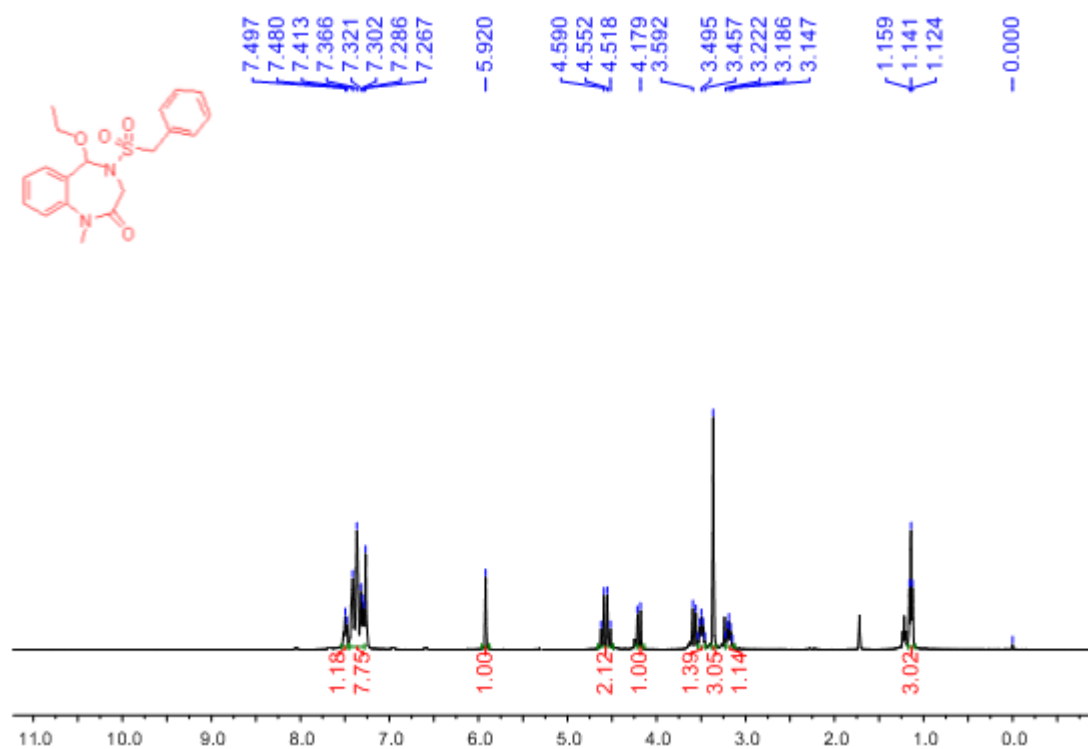
***trans*-1-(4-fluorophenyl)-6-methyl-6,10b-dihydro-1*H*-benzo[*f*][1,2]thiazeto[2,3-*d*][1,4]diazepin-5(4*H*)-one 2,2-dioxide (5e)**



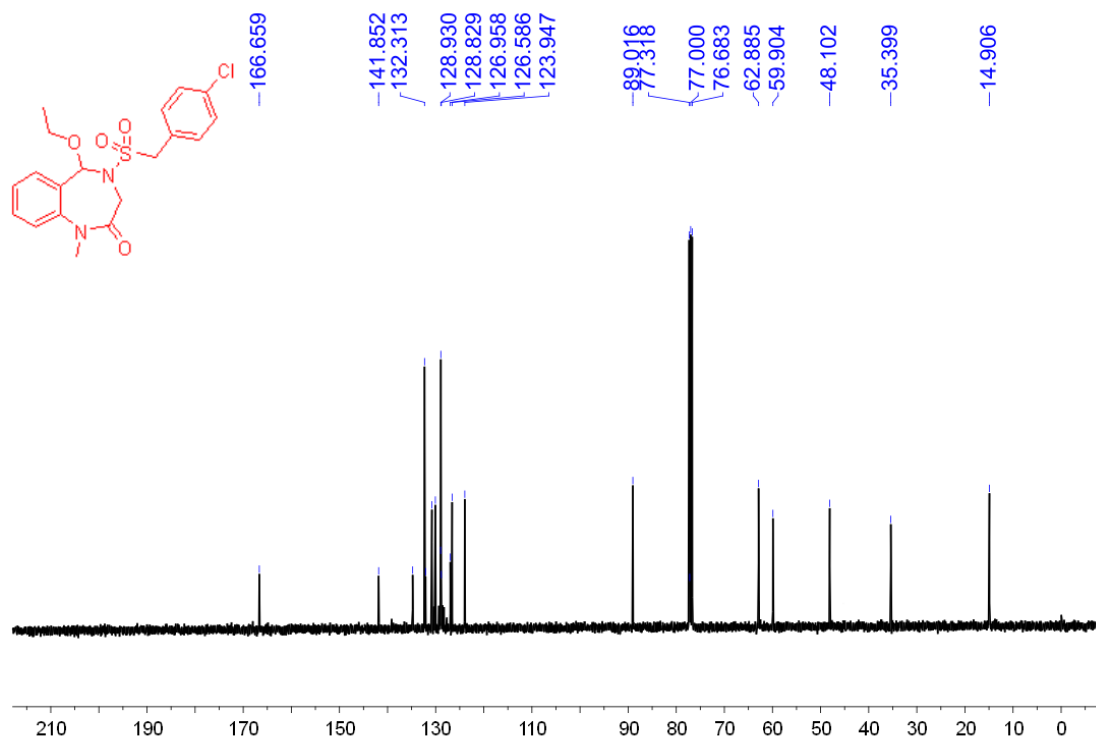
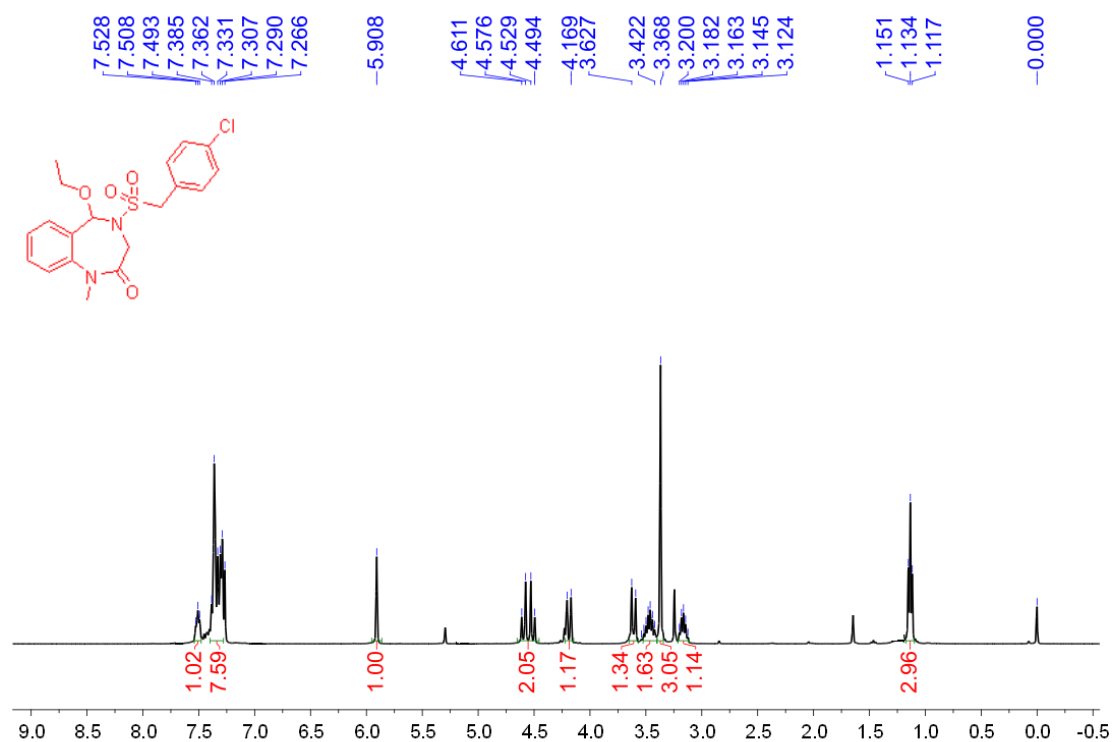
***trans*-1-(4-bromophenyl)-6-methyl-6,10b-dihydro-1*H*-benzo[*f*][1,2]thiazeto[2,3-*d*][1,4]diazepin-5(4*H*)-one 2,2-dioxide (5f)**



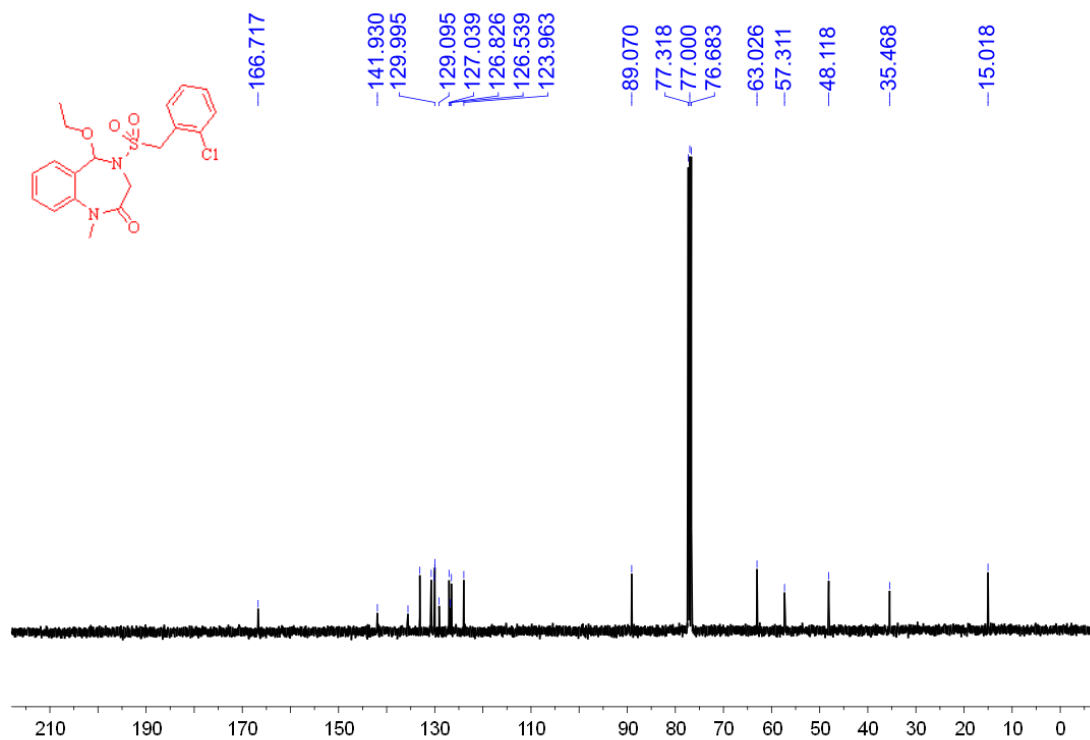
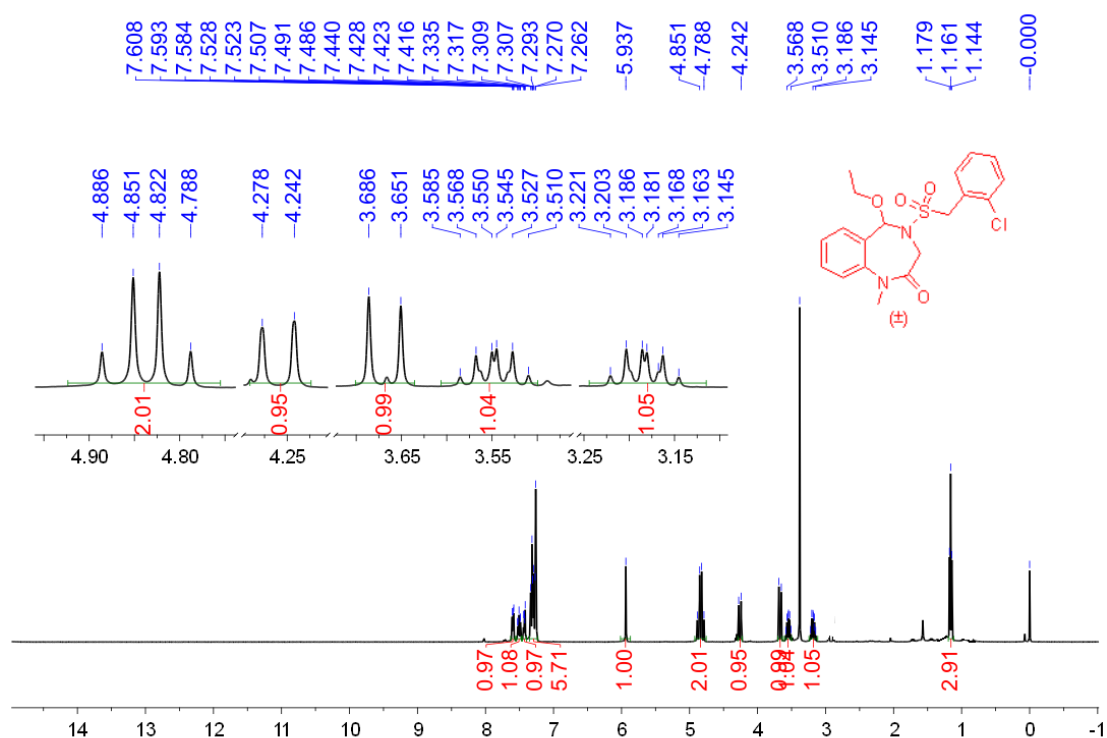
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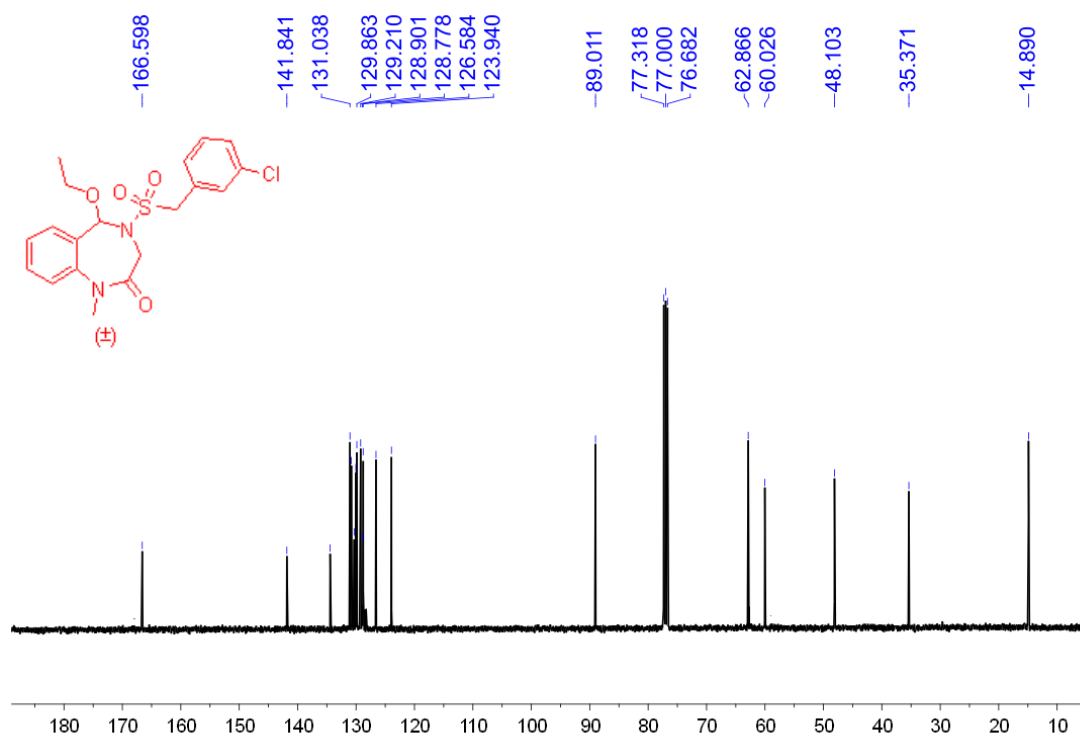
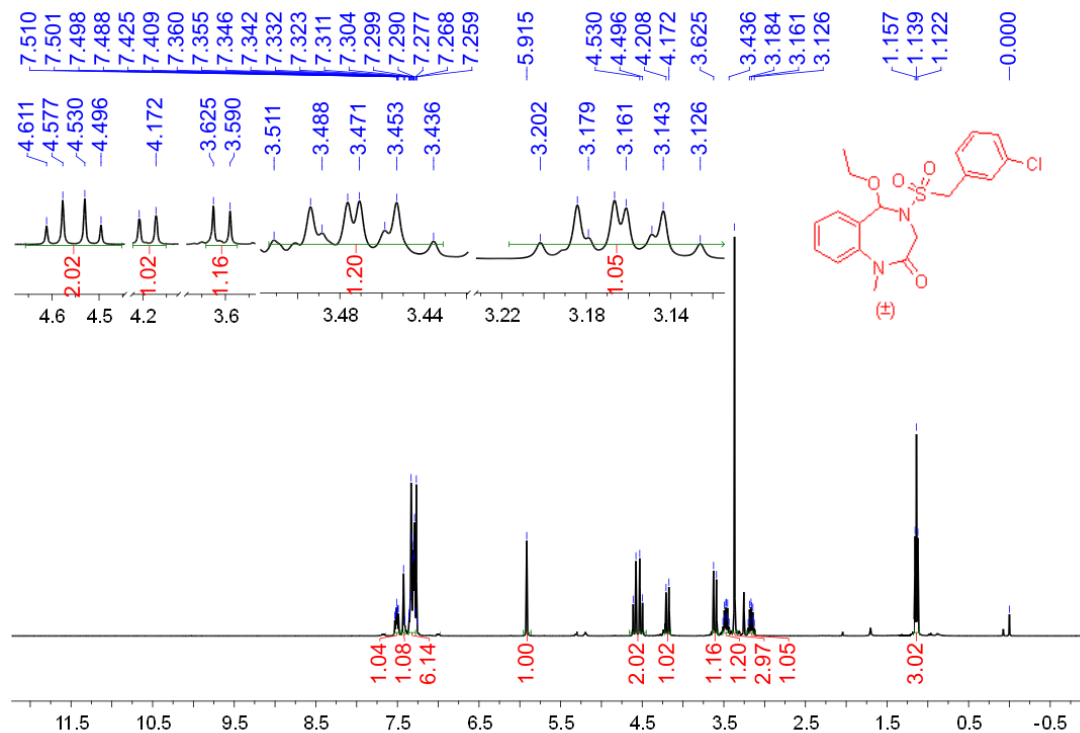
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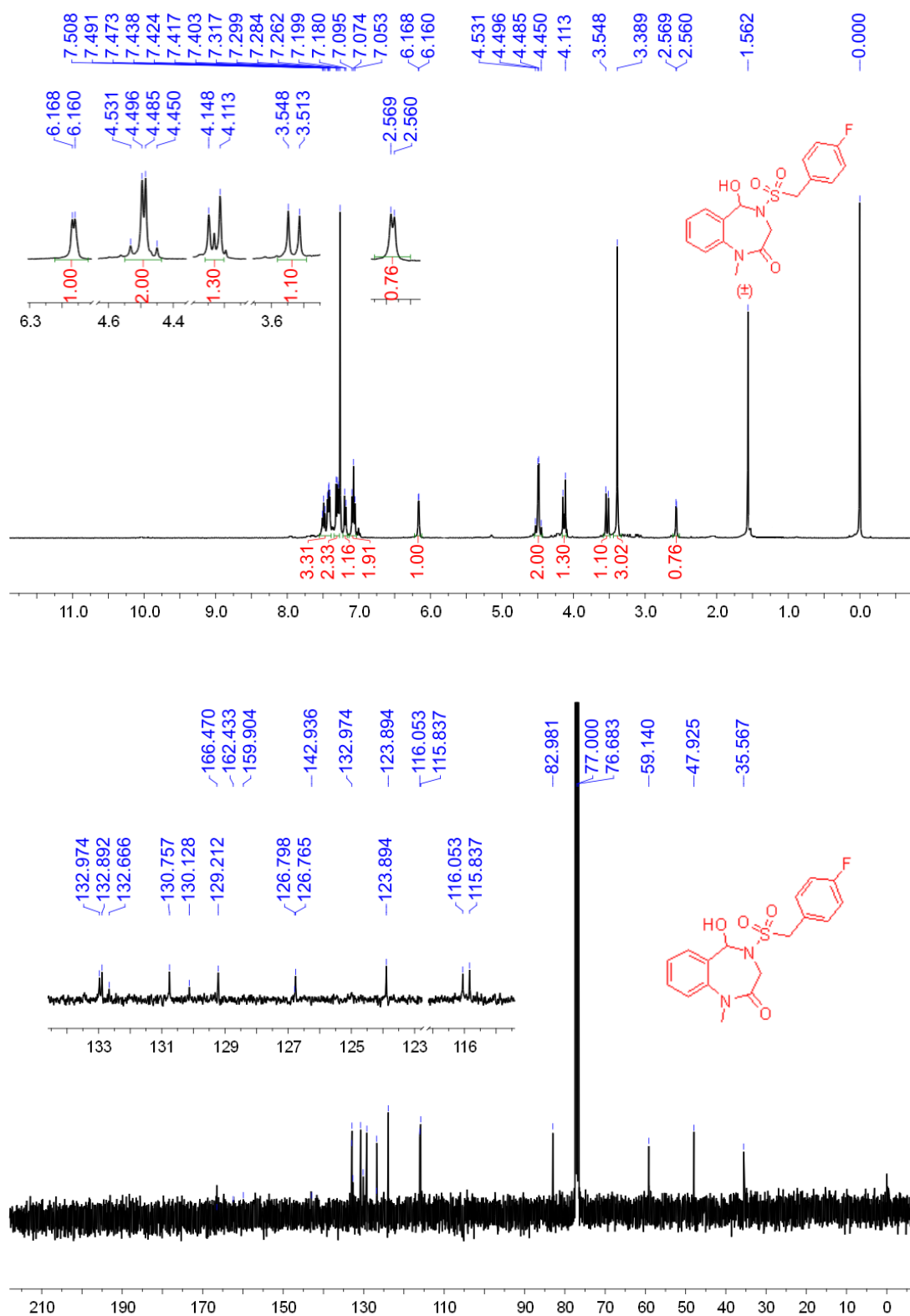
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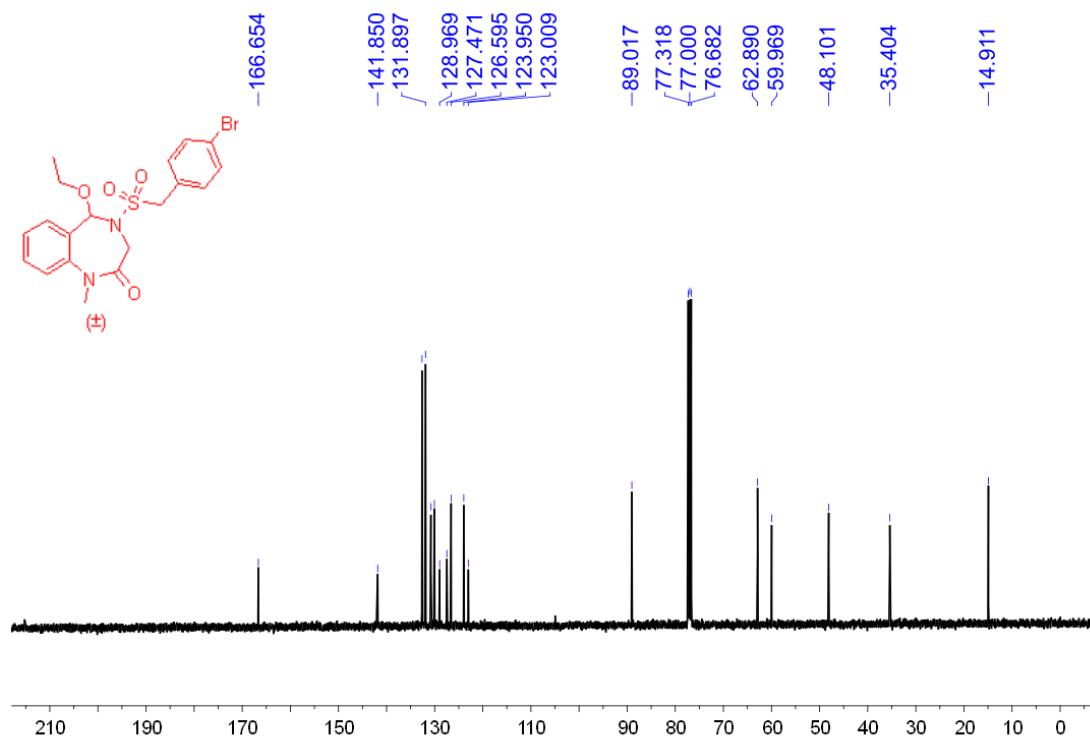
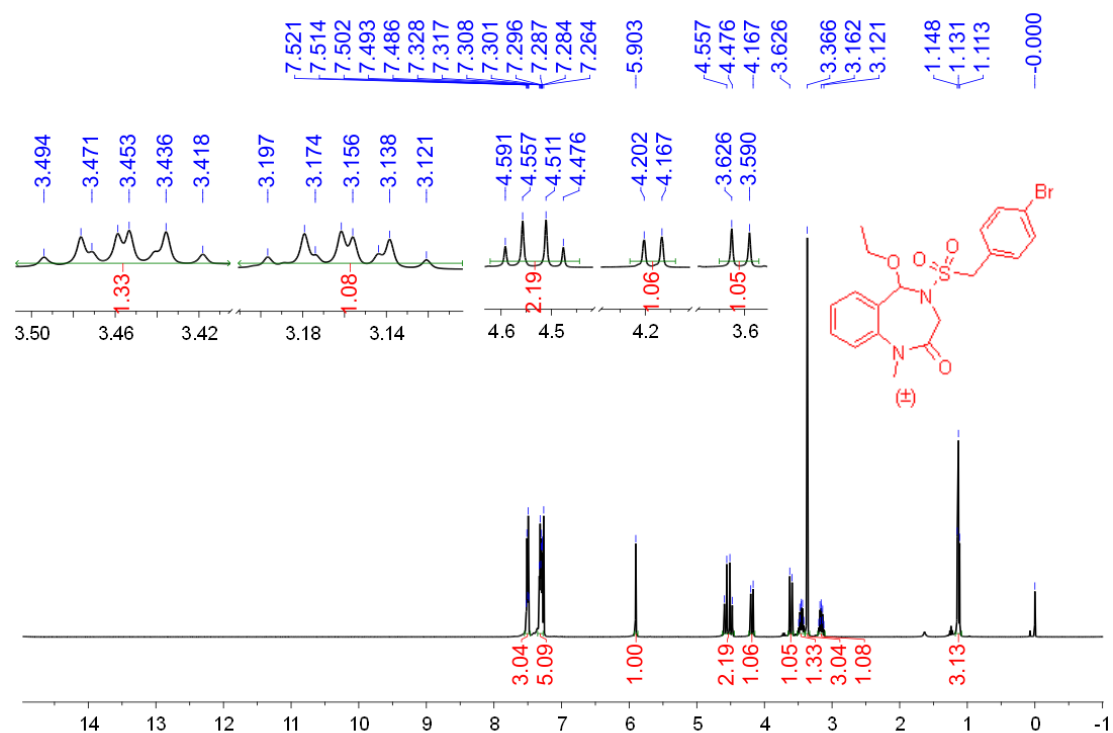
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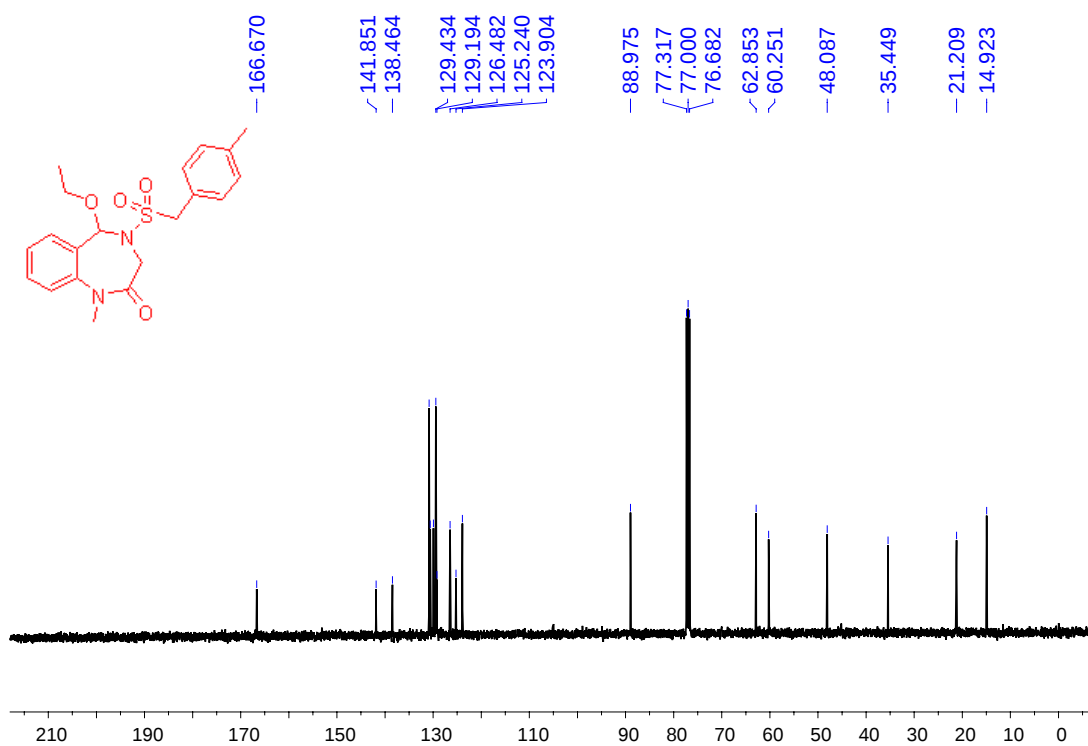
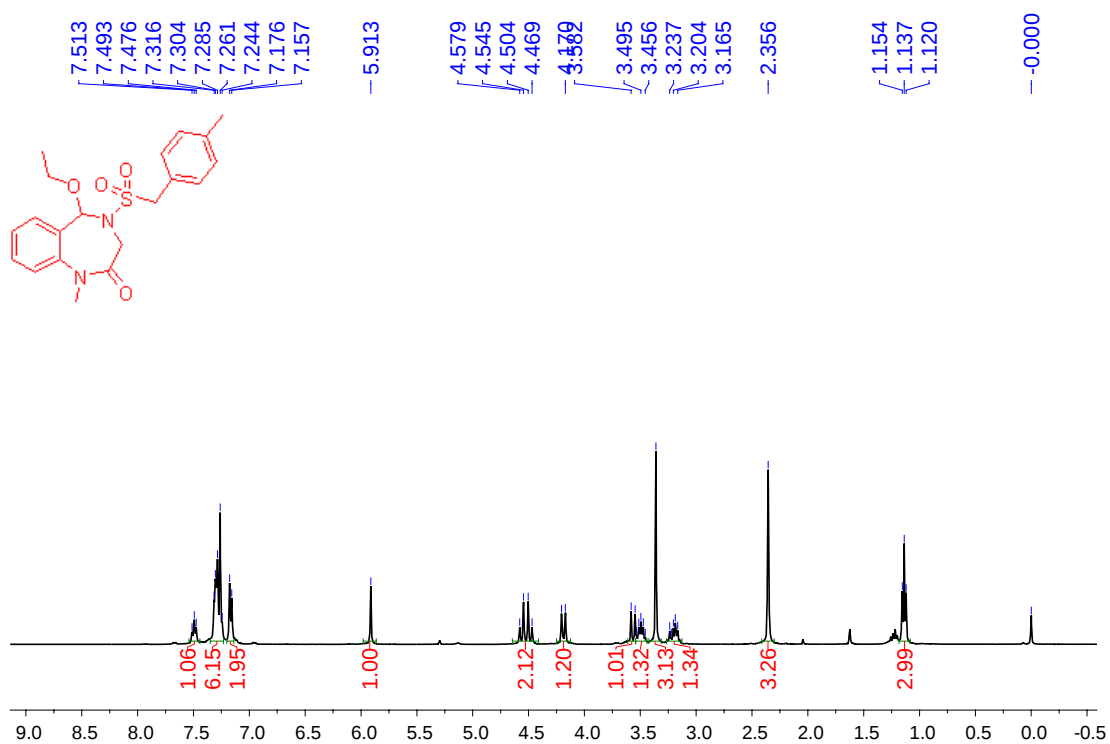
4-(4-Fluorobenzylsulfonyl)-5-hydroxy-1-methyl-4,5-dihydro-1H-benzo[e][1,4]diazepin-2(3H)-one (7e)



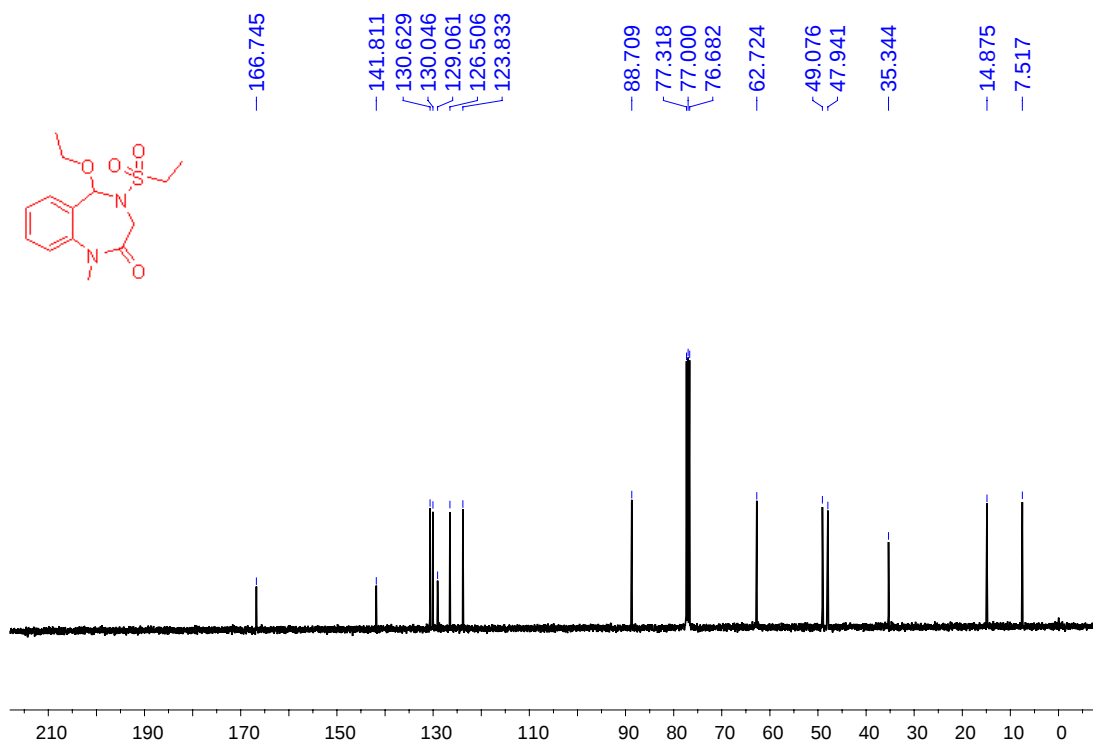
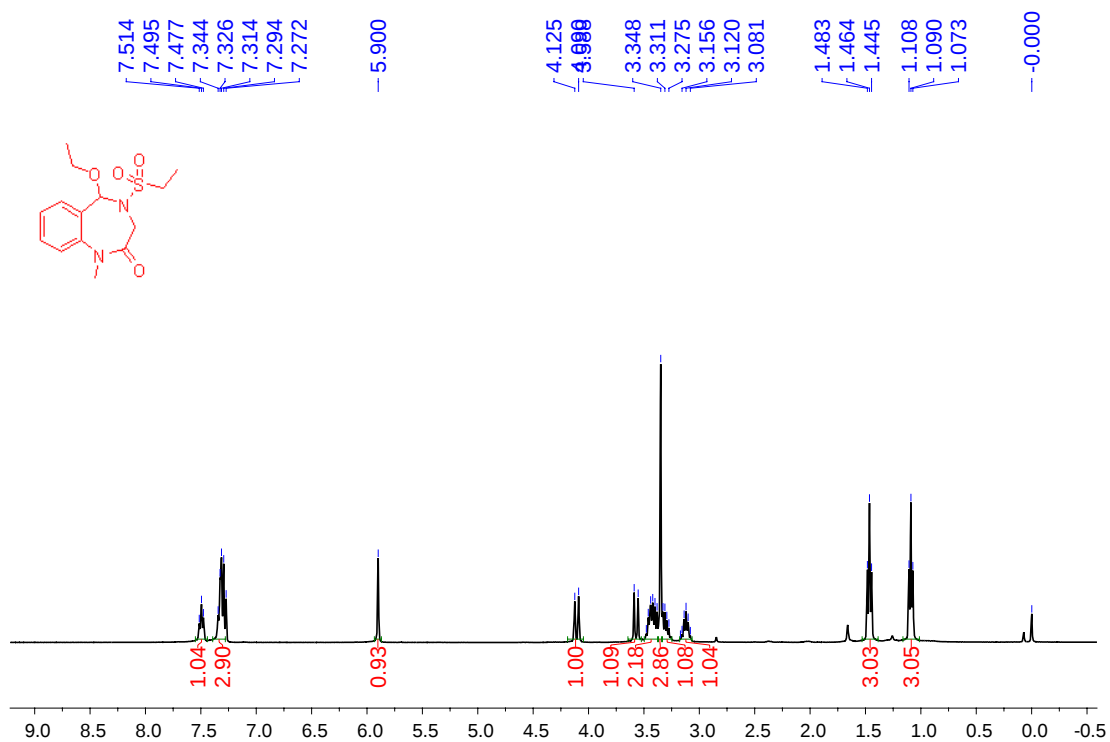
4-(4-Bromobenzylsulfonyl)-5-hydroxy-1-methyl-4,5-dihydro-1*H*-benzo[e][1,4]diazepin-2(3*H*)-one (7f)



5-Ethoxy-1-methyl-4-(4-methylbenzylsulfonyl)-4,5-dihydro-1H-benzo[e][1,4]diazepin-2(3H)-one (7g)



5-Ethoxy-1-methyl-4-(ethylsulfonyl)-4,5-dihydro-1H-benzo[e][1,4]diazepin-2(3H)-one (7h)



4-(Allylsulfonyl)-5-ethoxy-1-methyl-4,5-dihydro-1H-benzo[e][1,4]diazepin-2(3H)-one (7i)

