

Regio- and Stereoselective Synthesis of β -Keto Functionalized C-Glycosides via Iron-Catalyzed Intermolecular Decarboxylative Ferrier Rearrangement Reactions

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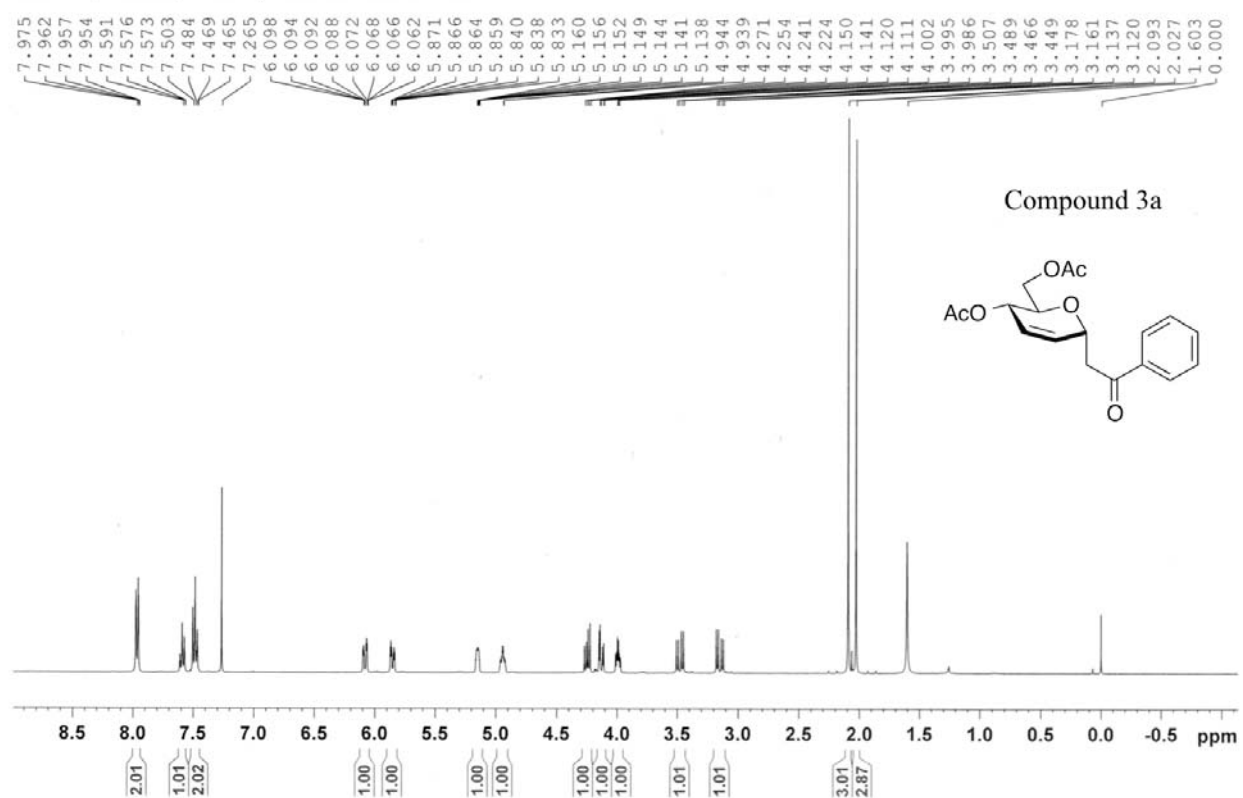
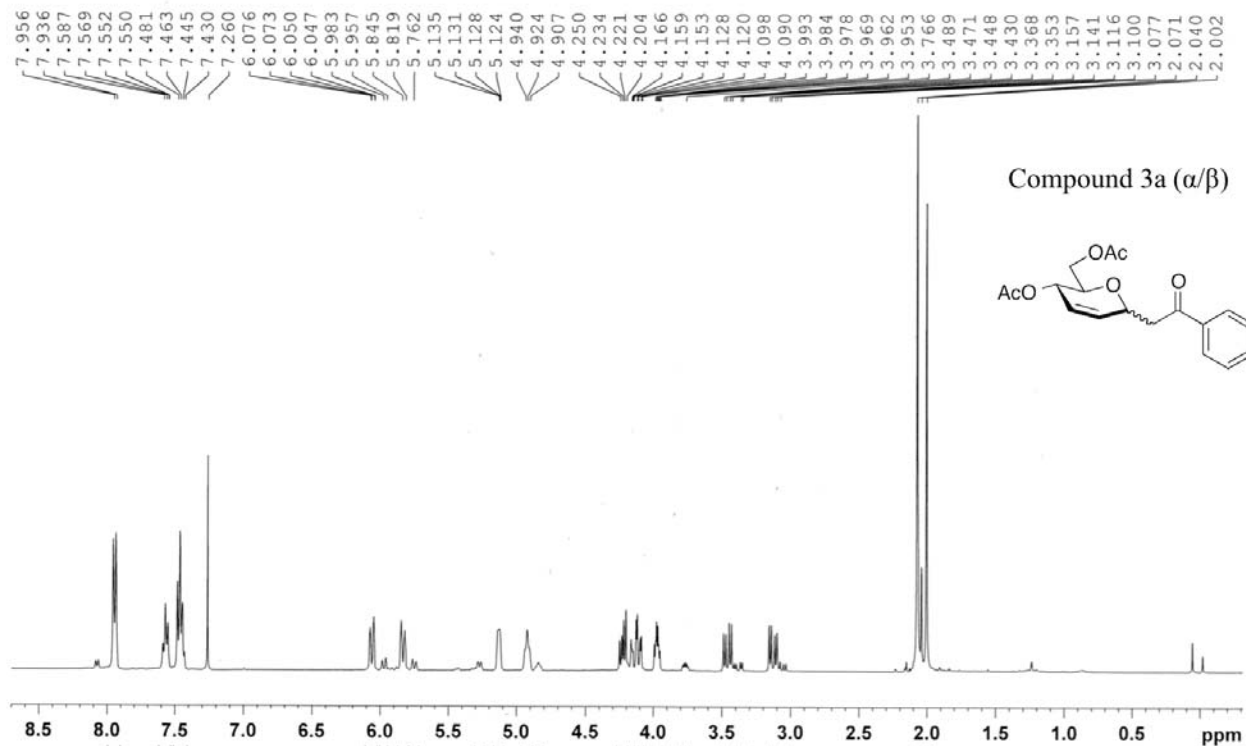
Supporting Information

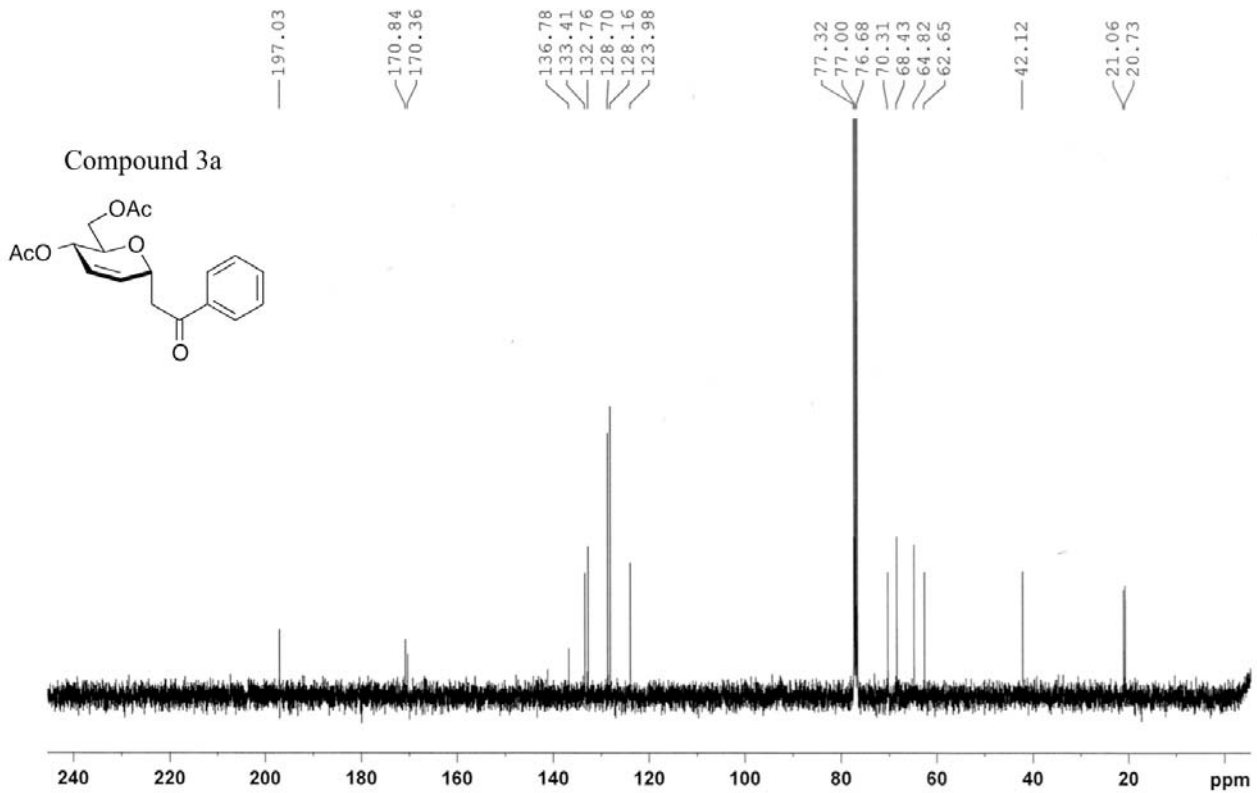
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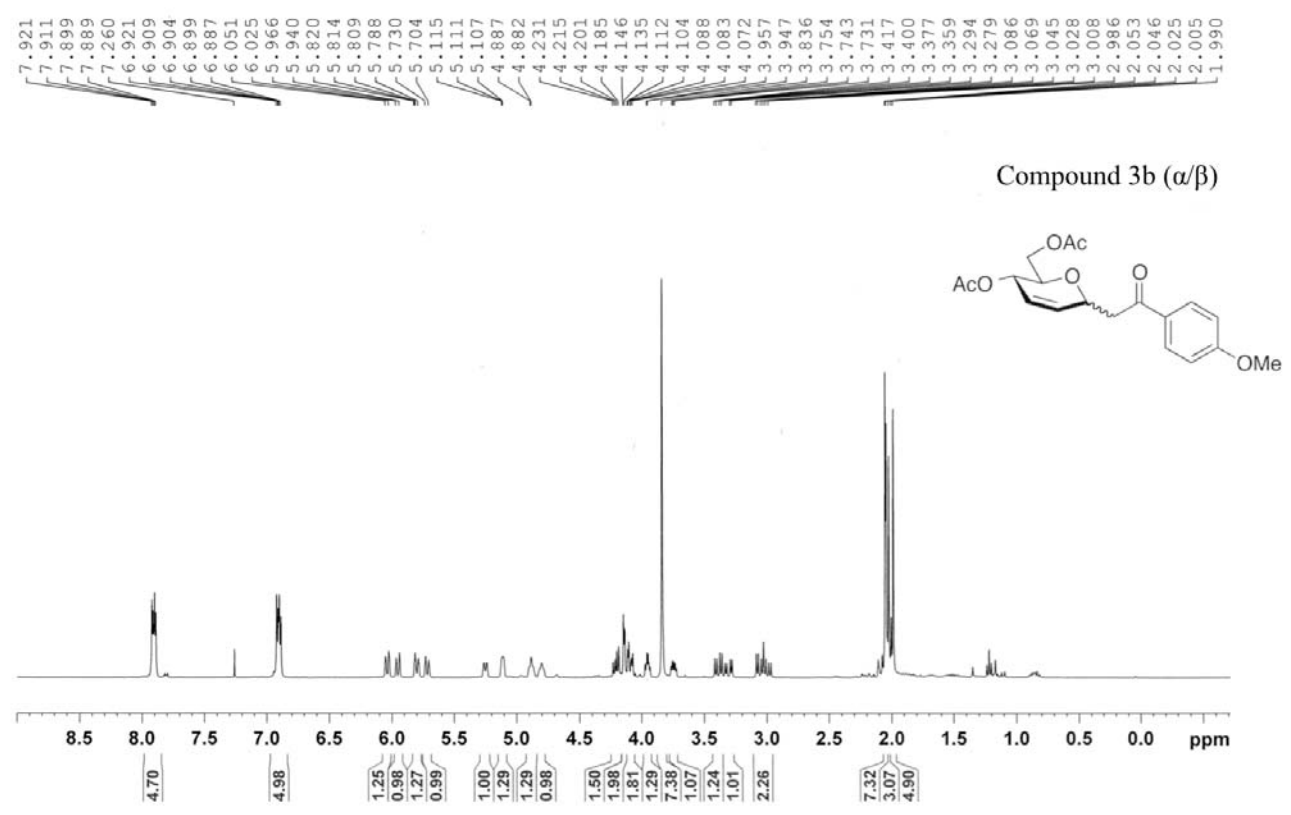
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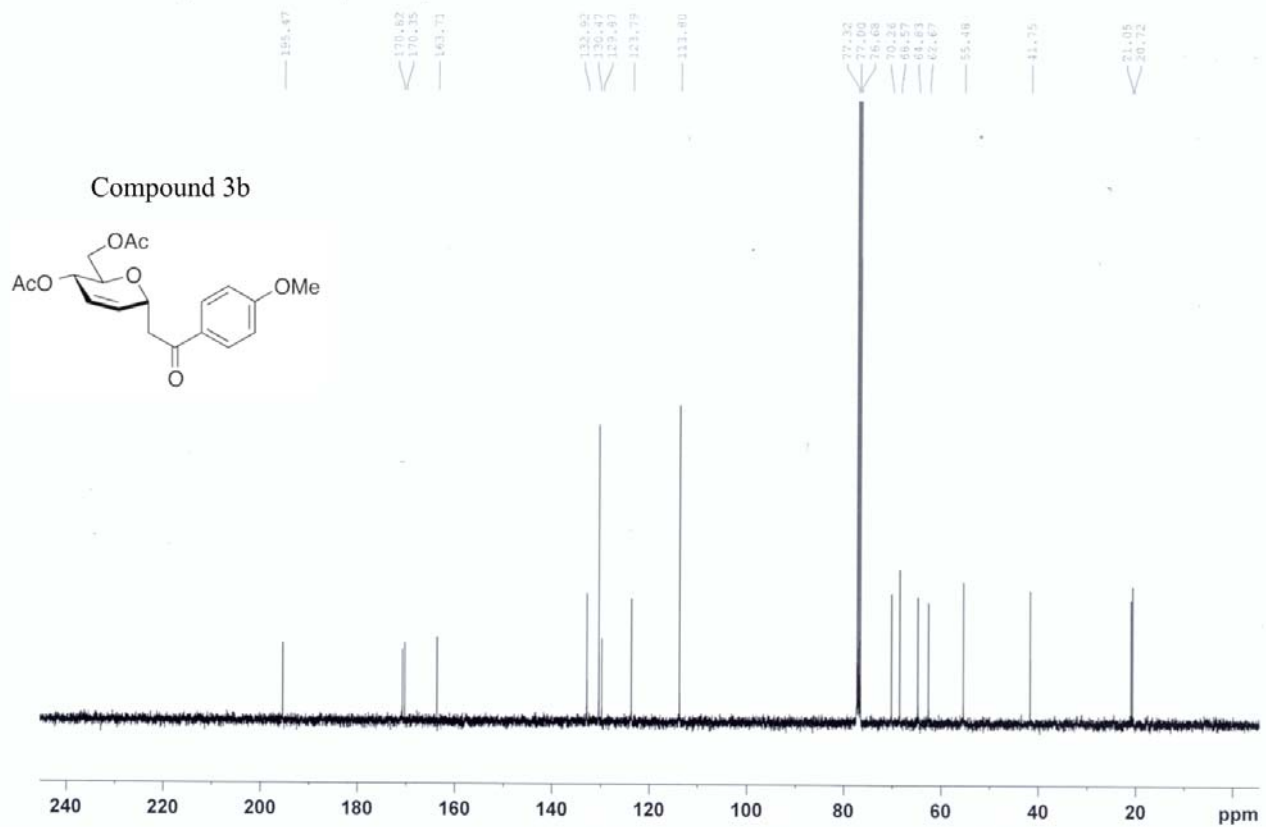
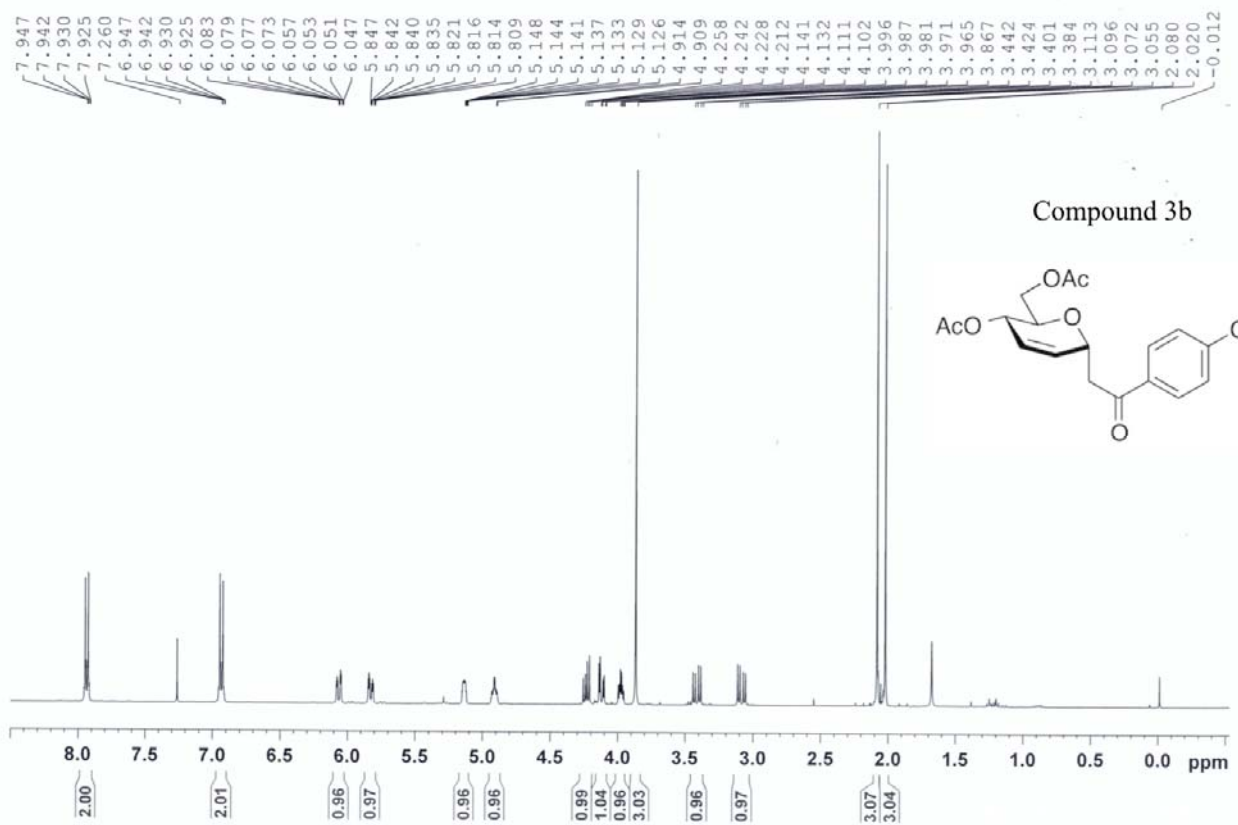
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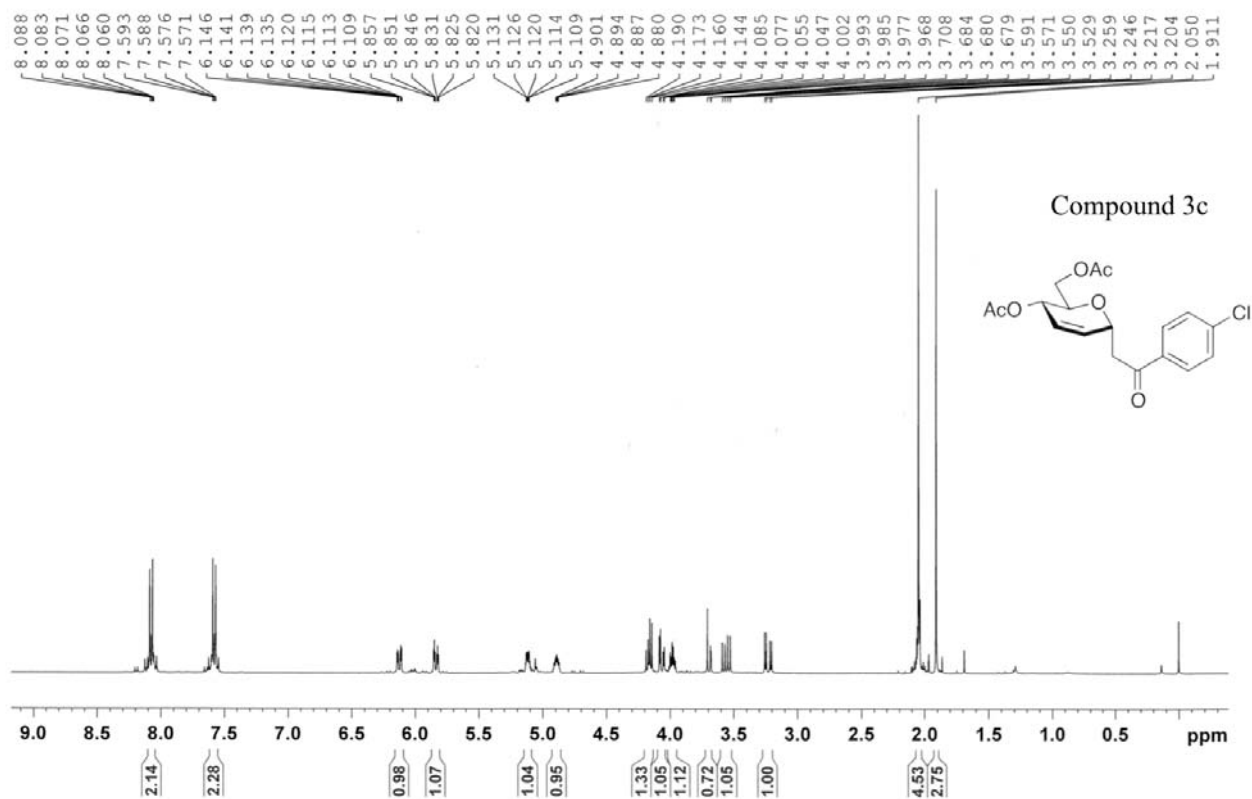
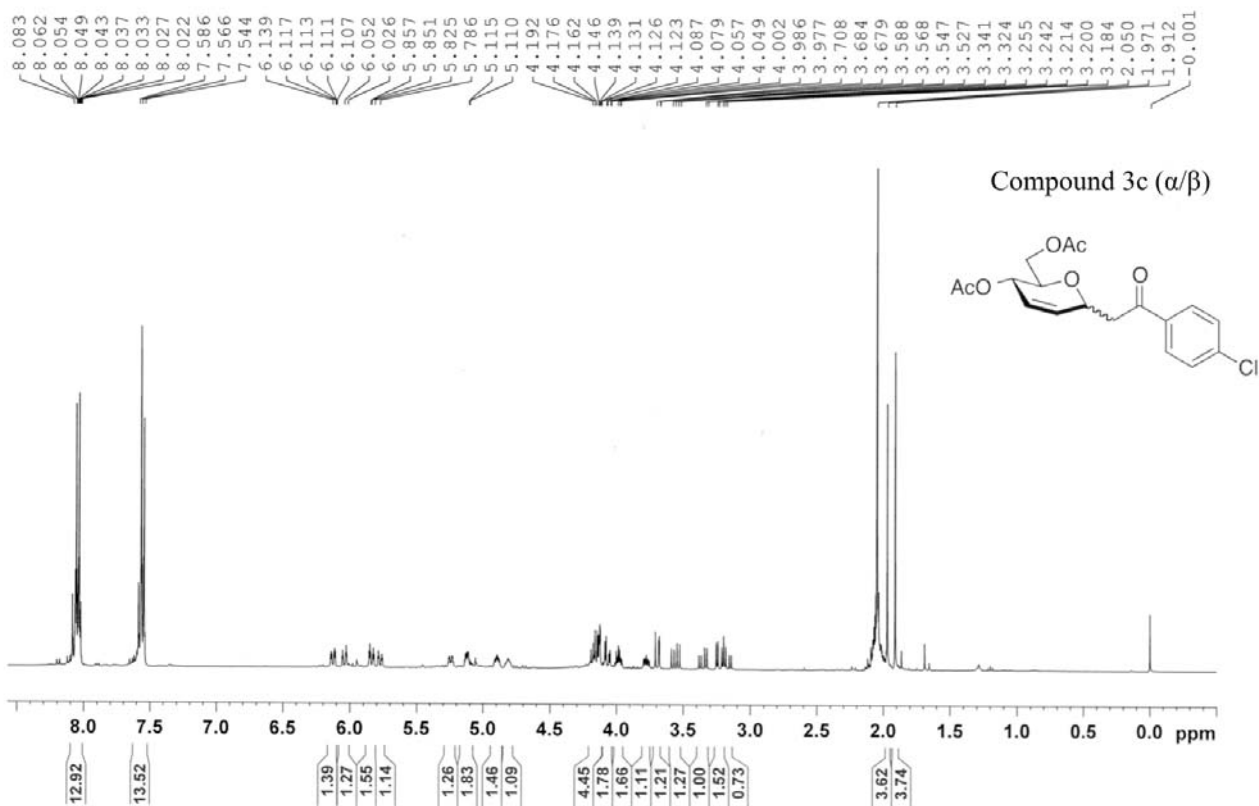


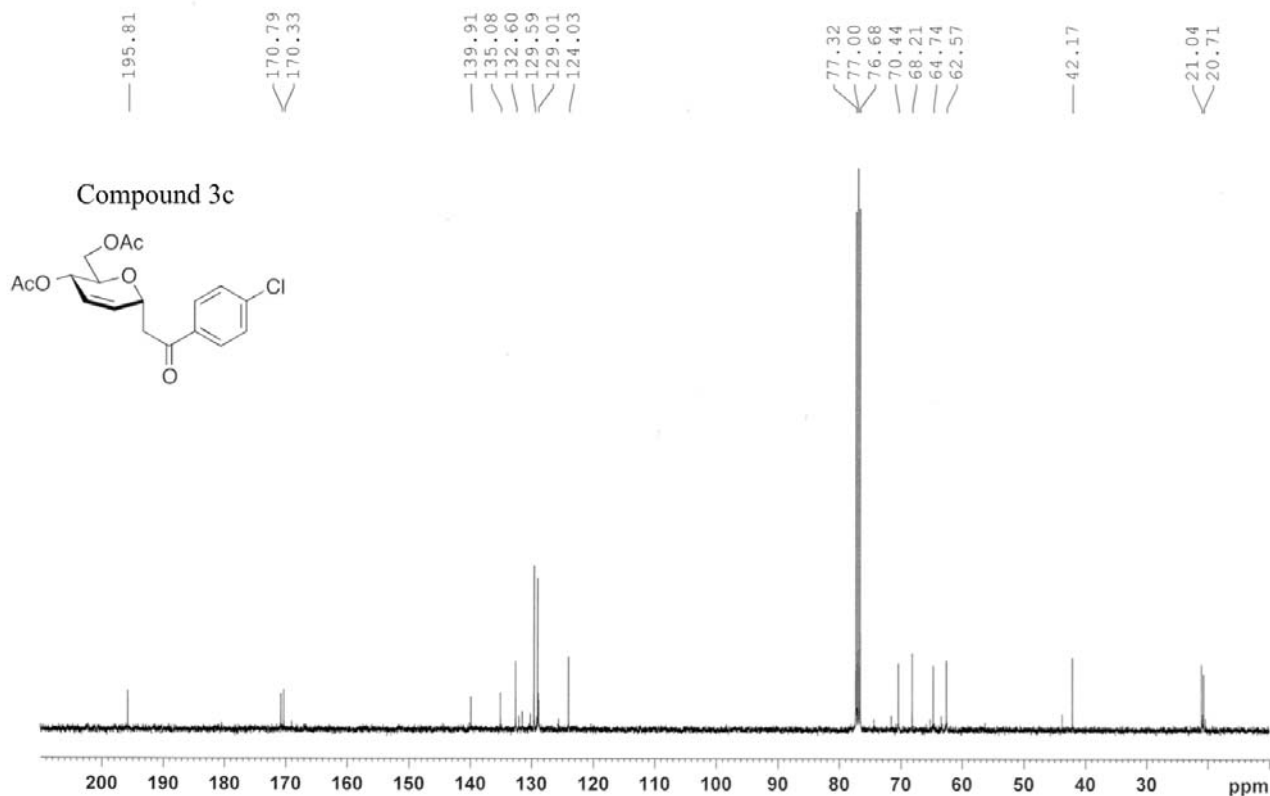
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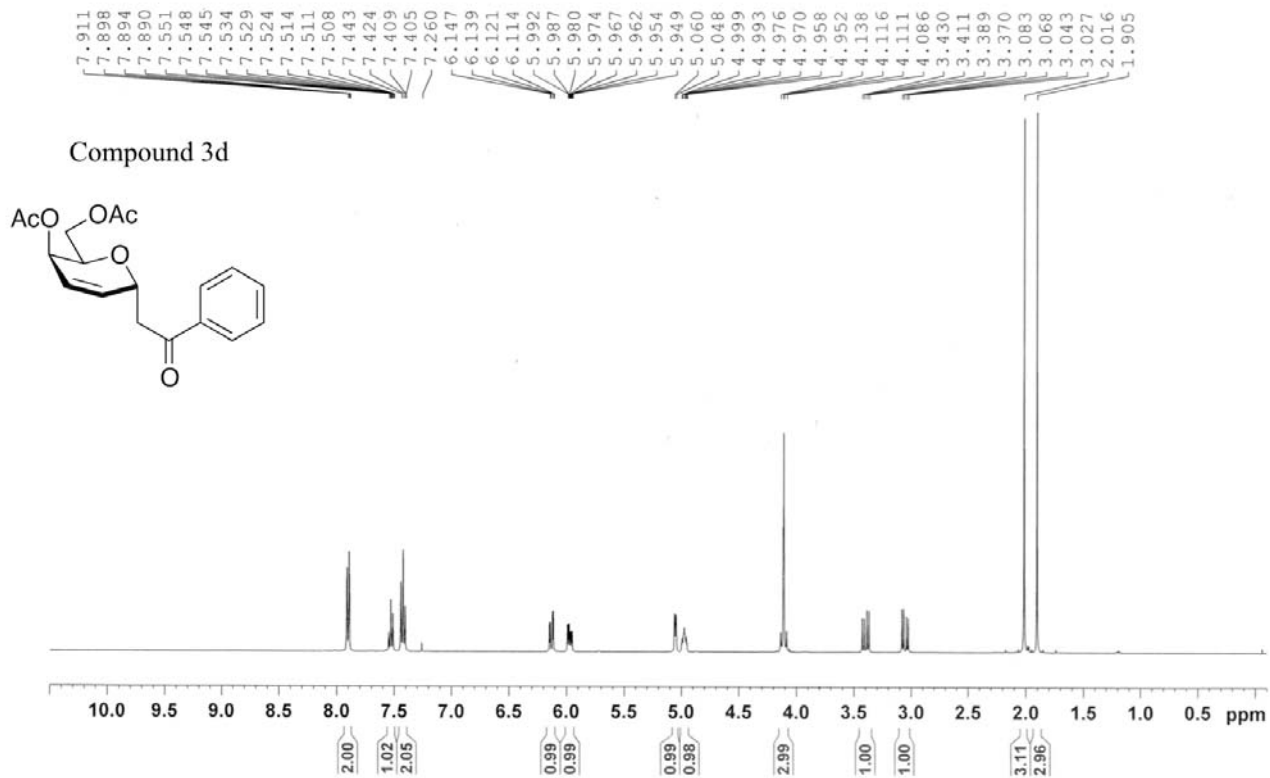


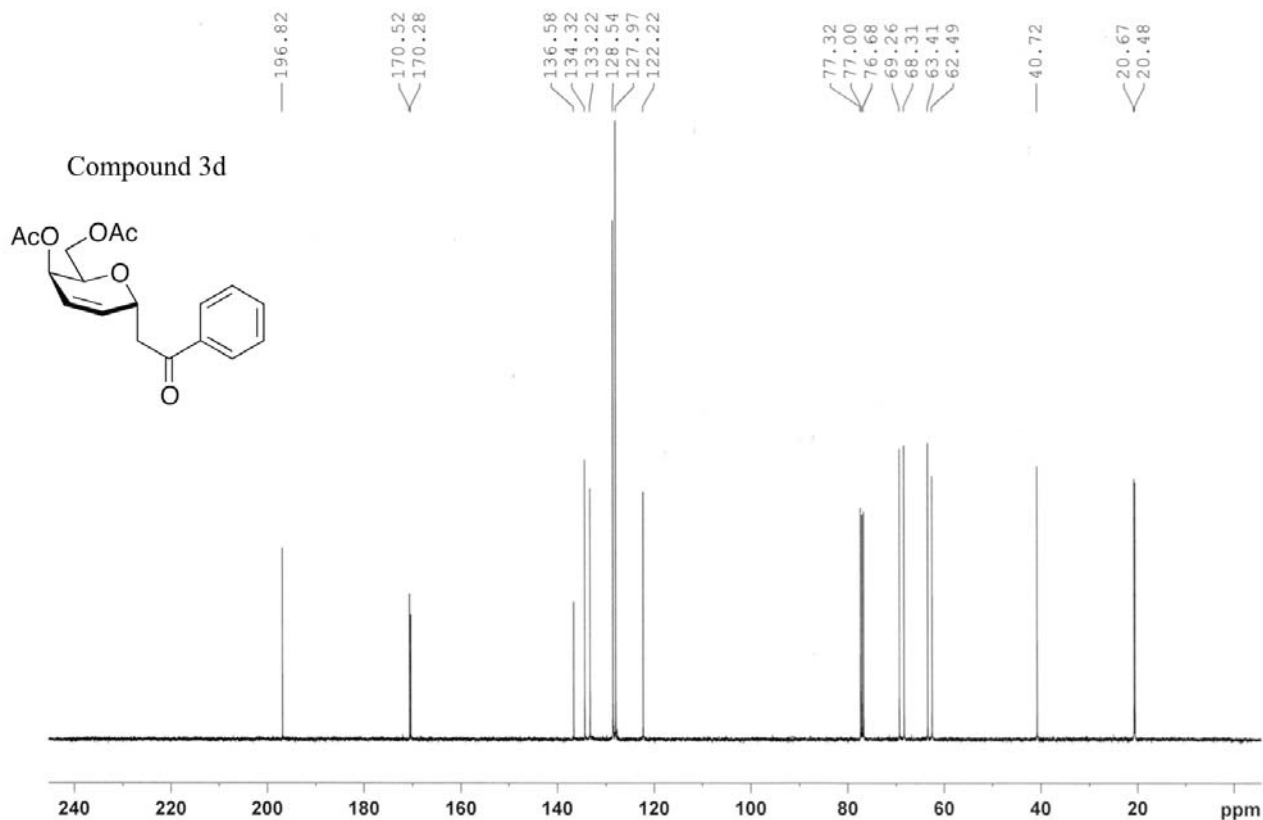
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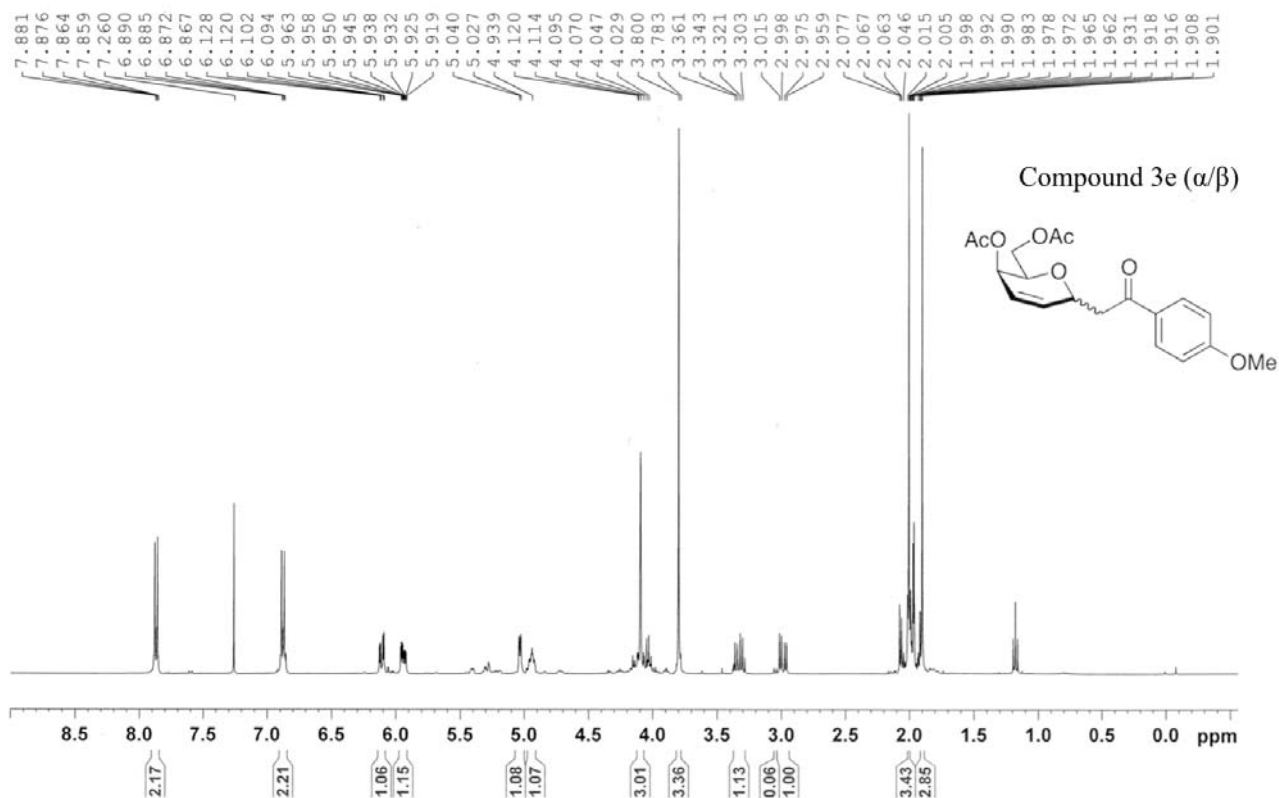


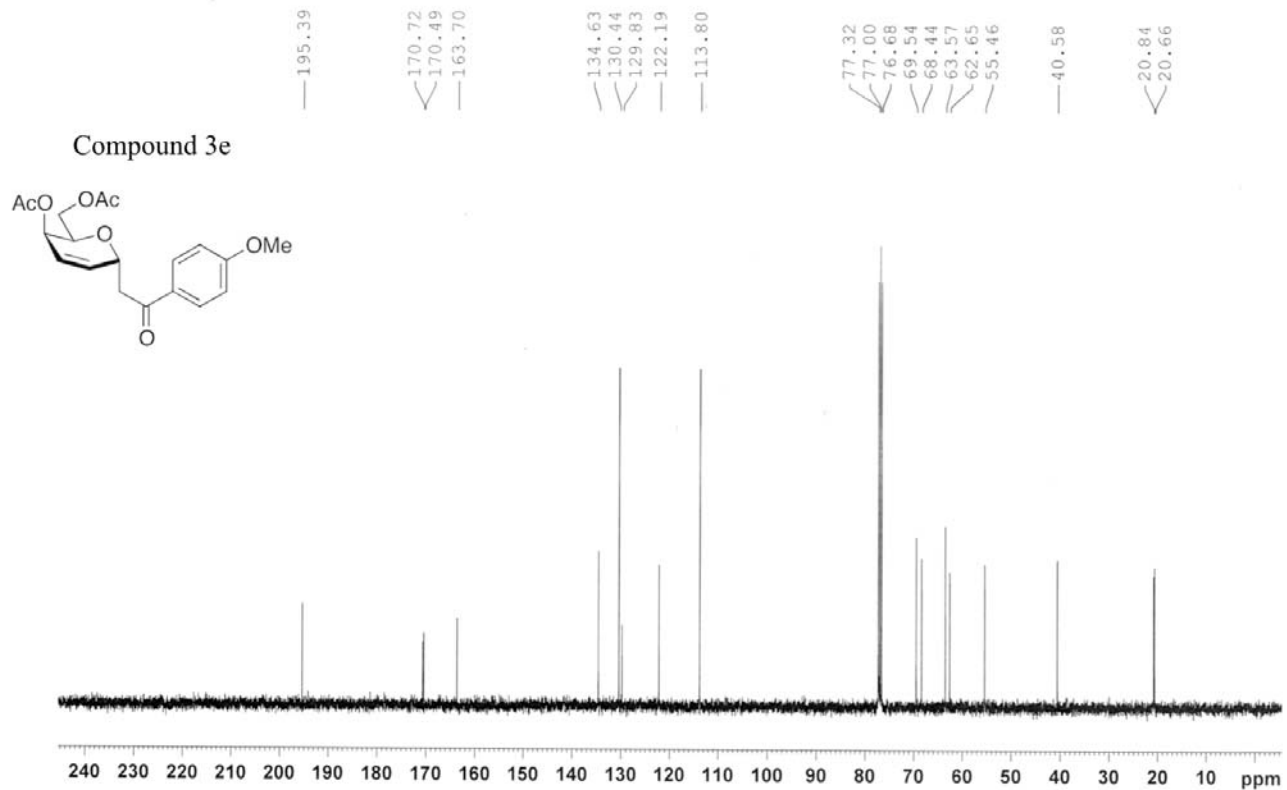
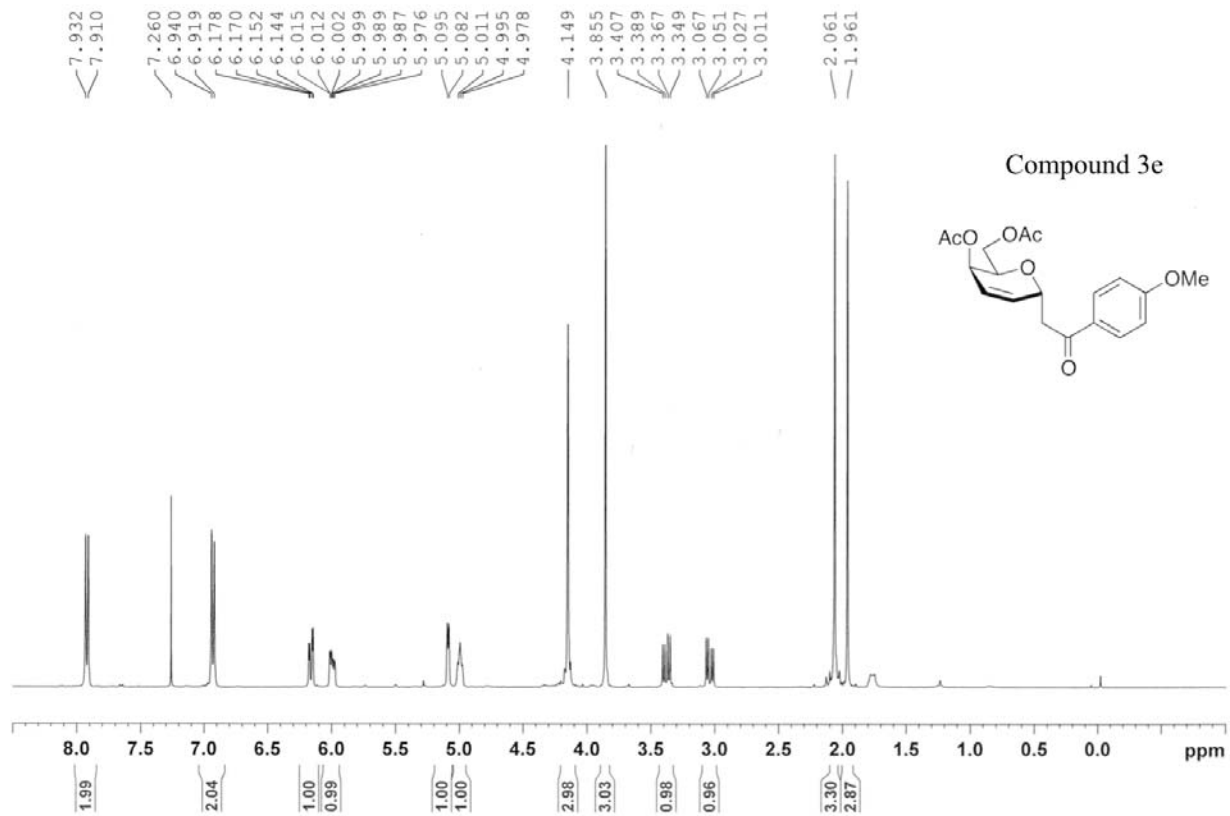
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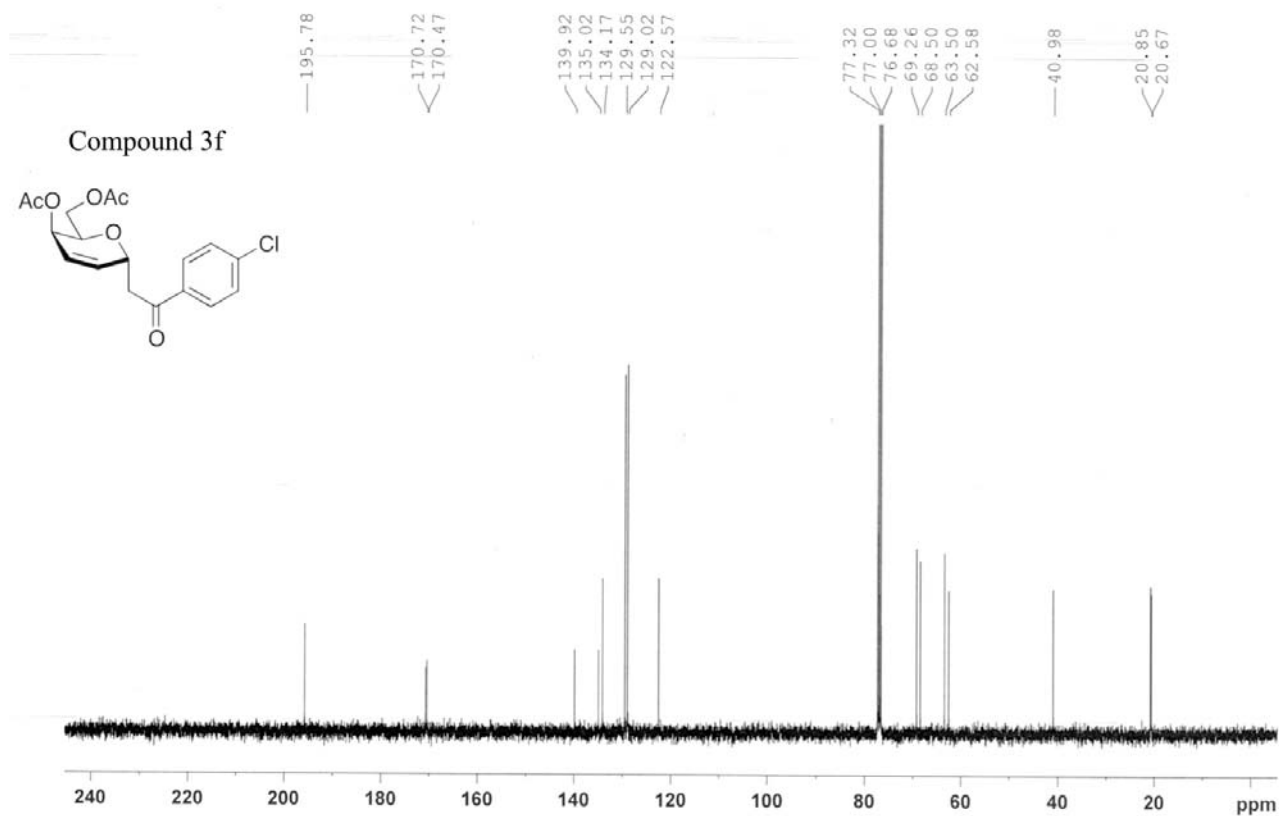
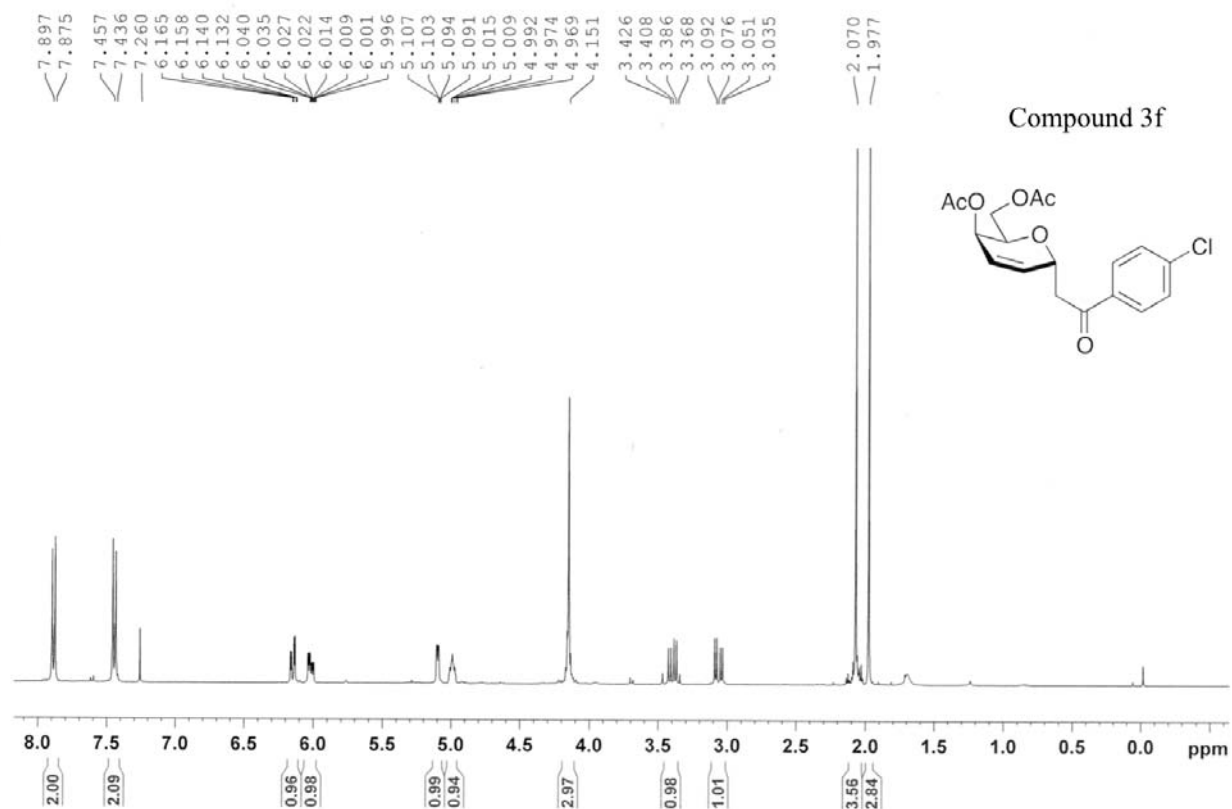


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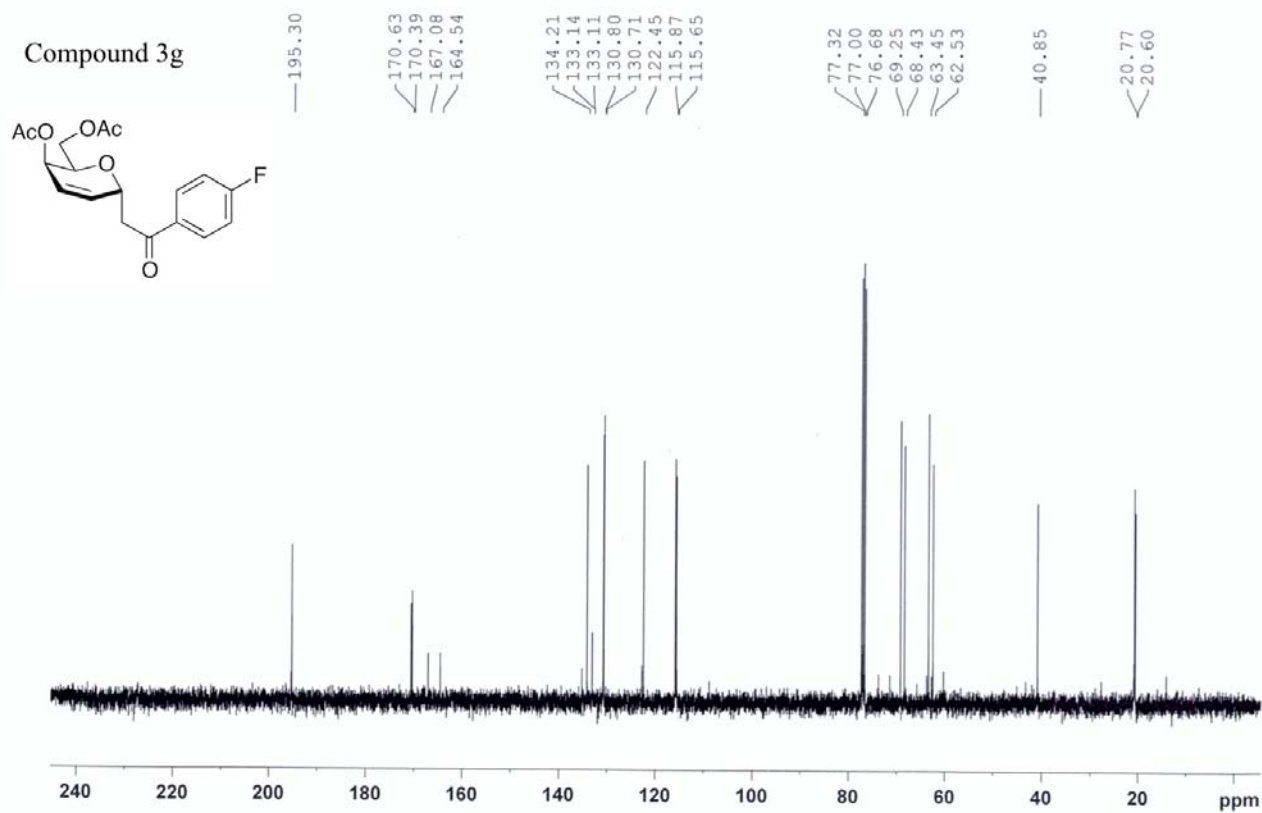
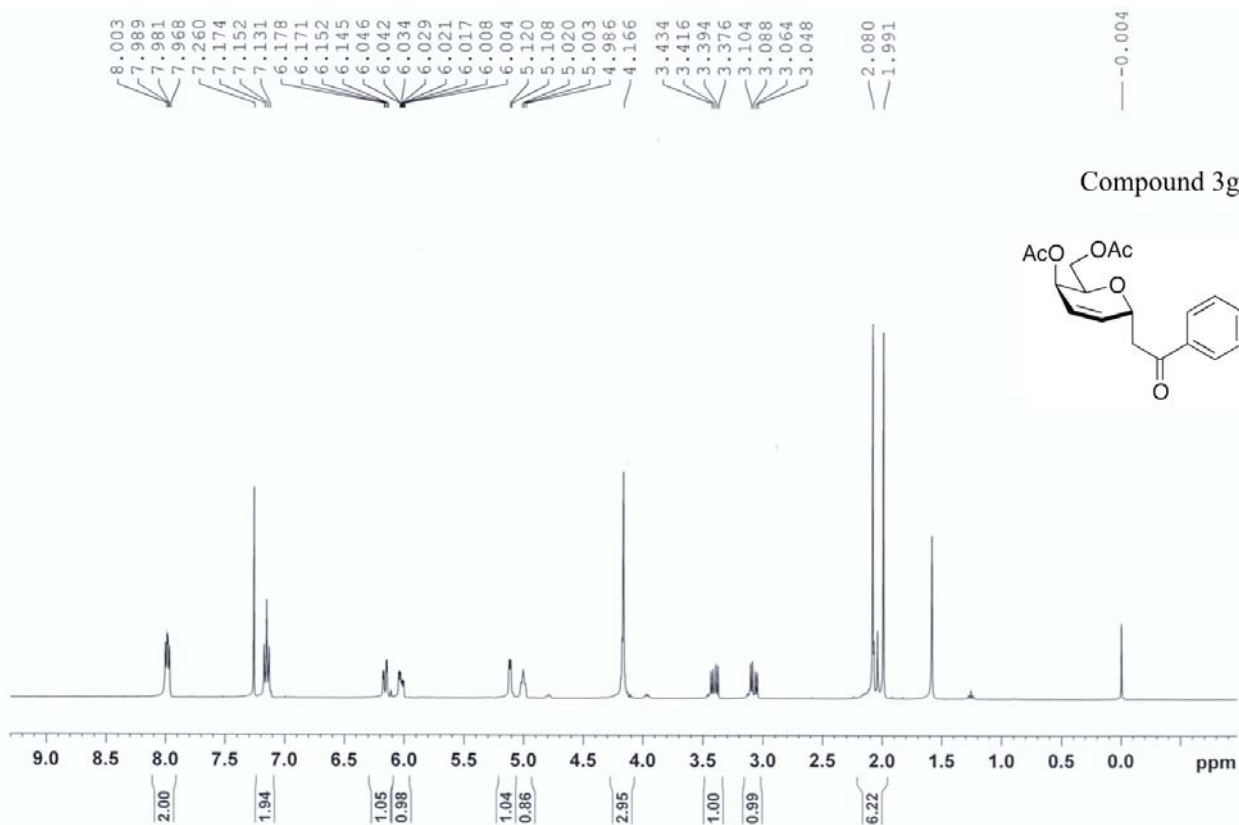




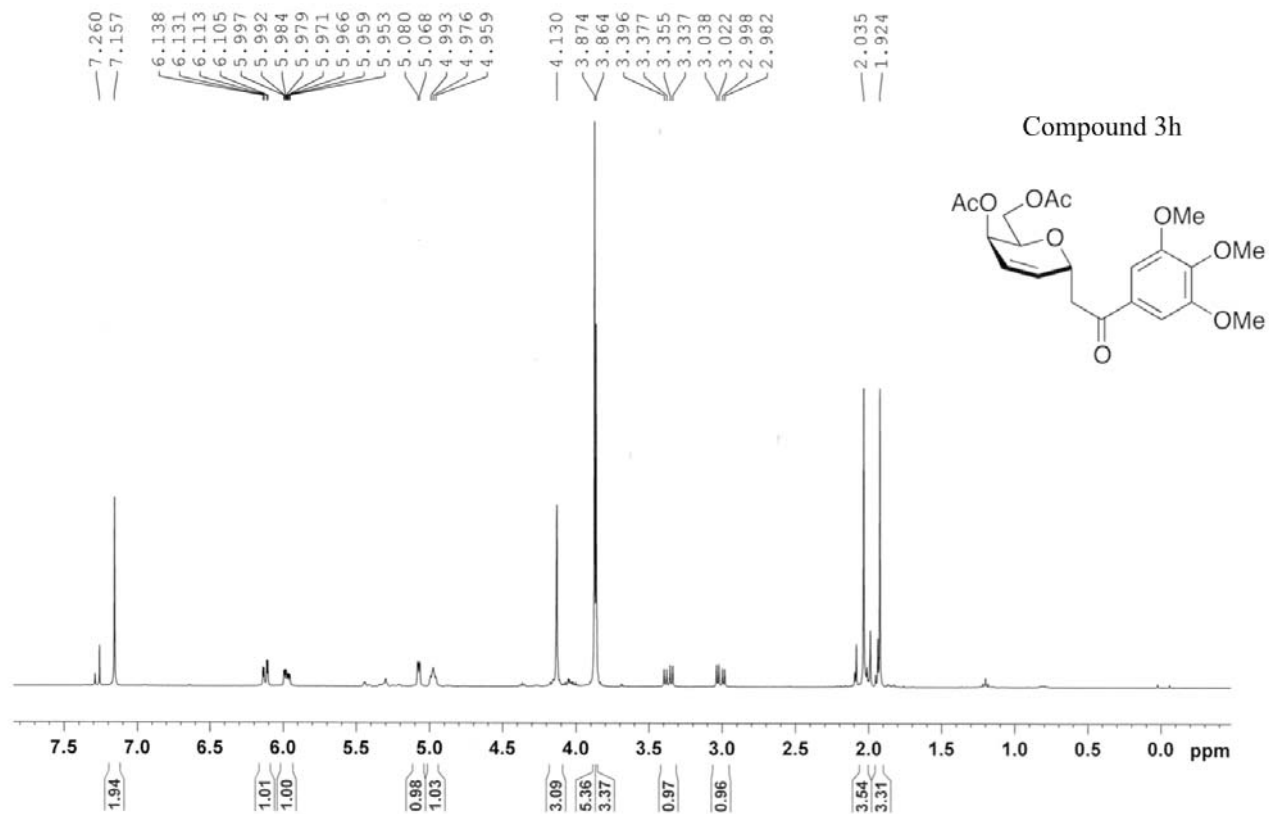
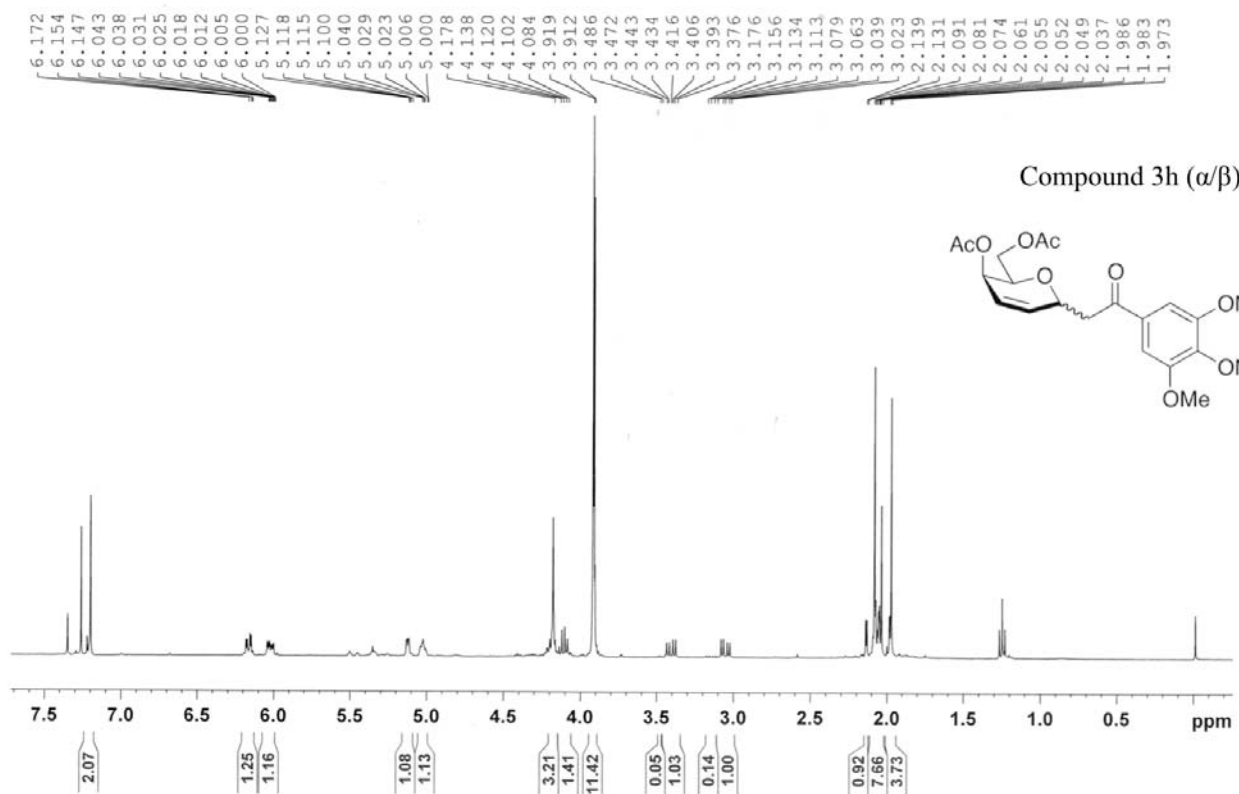
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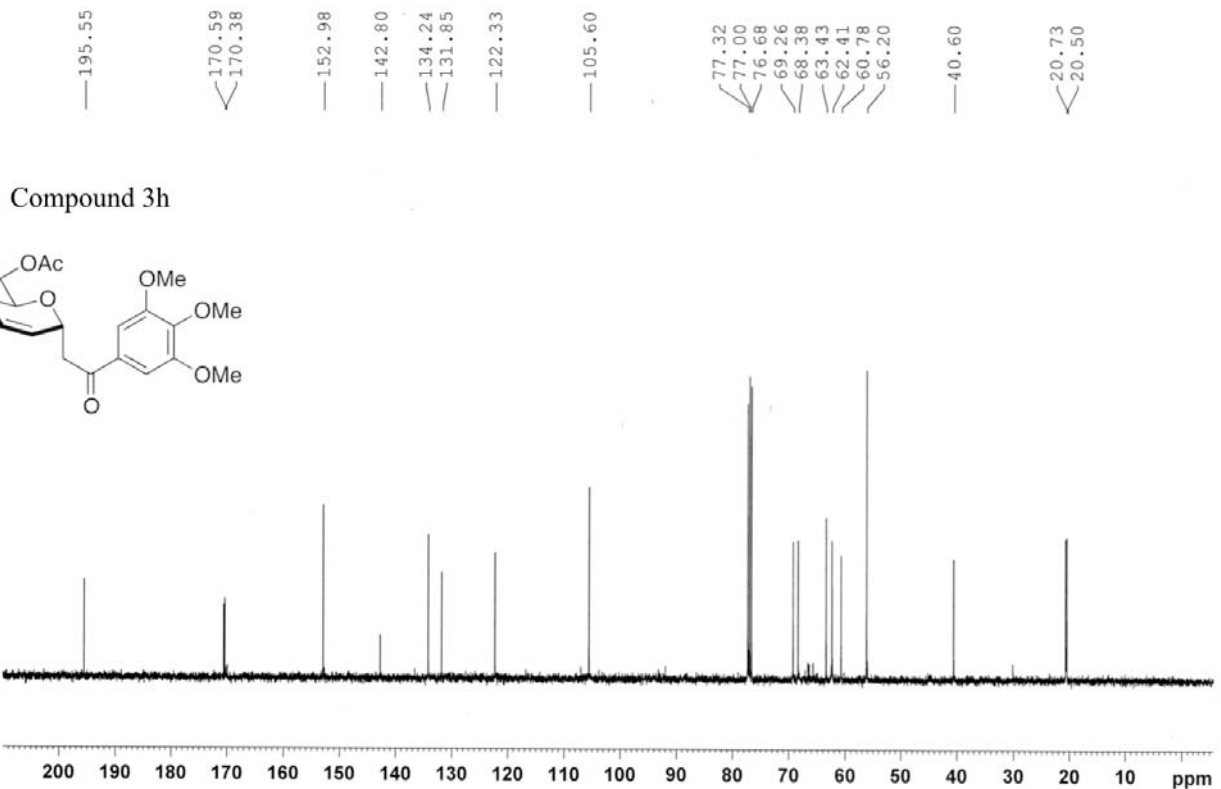


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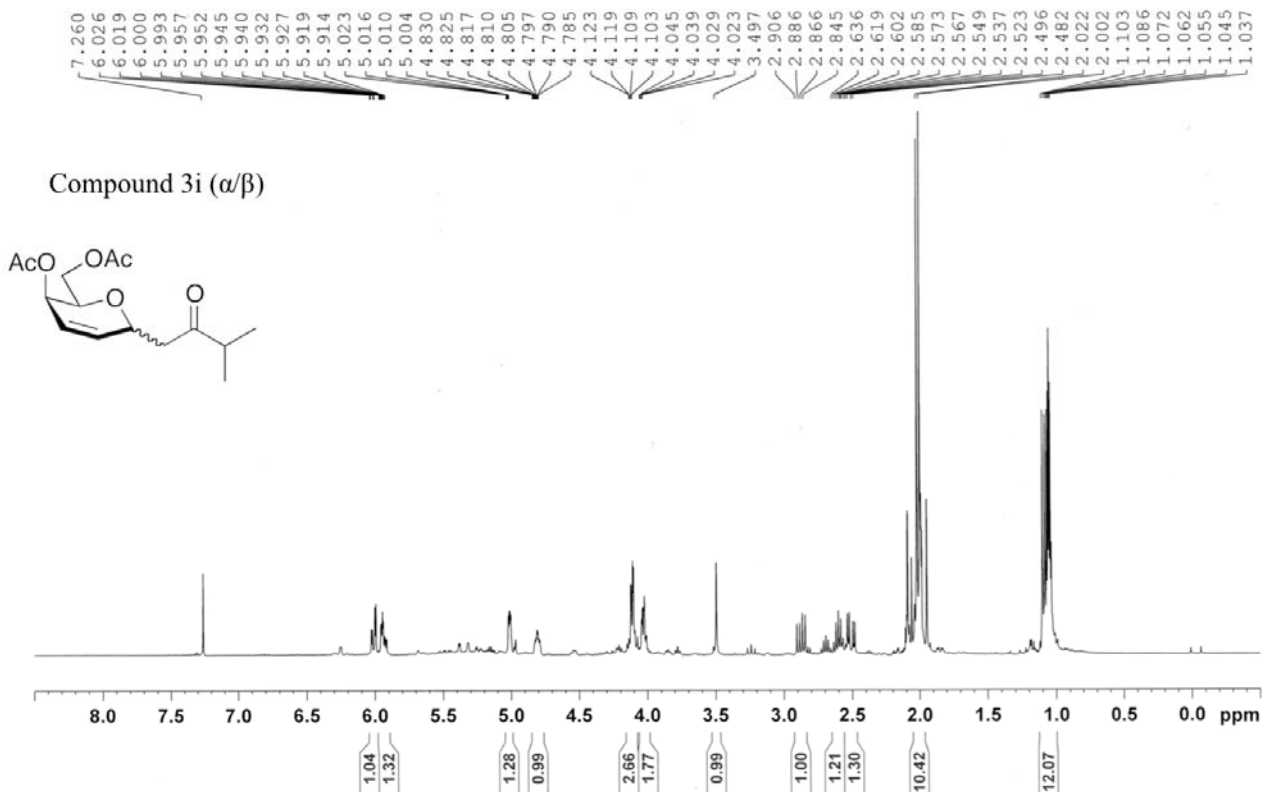


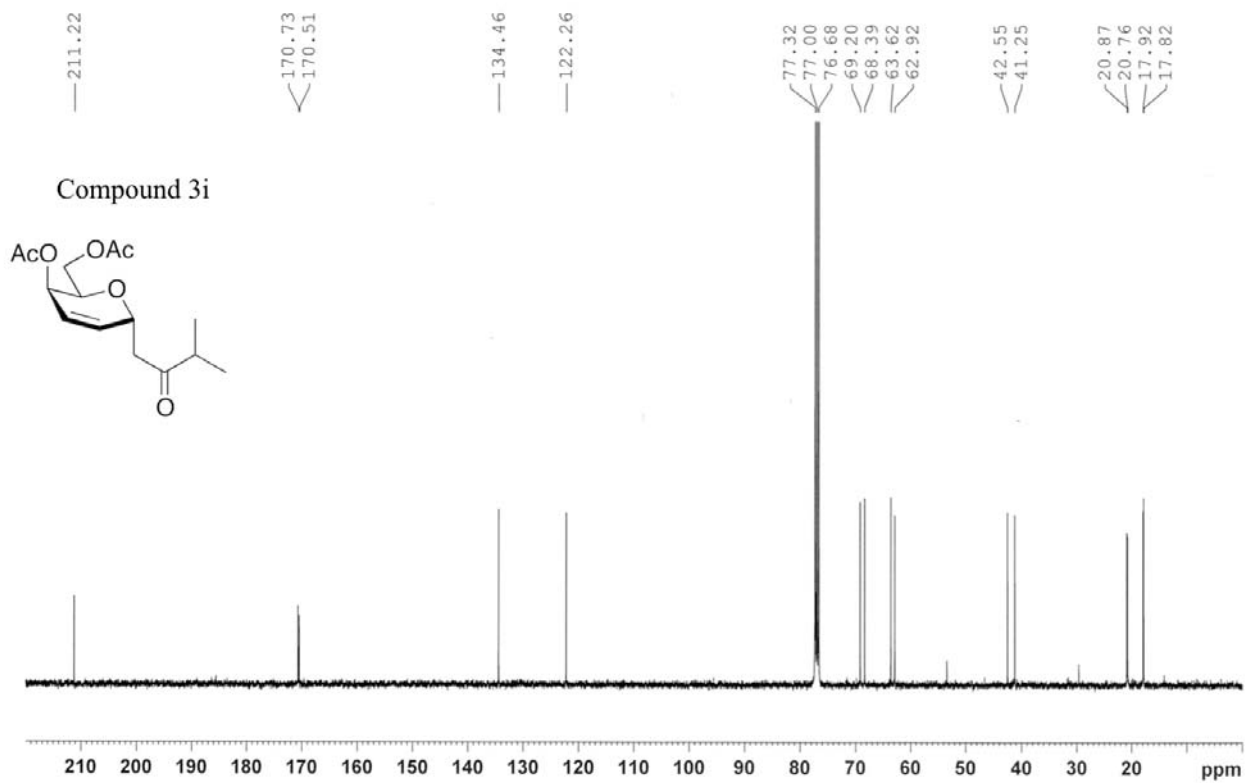
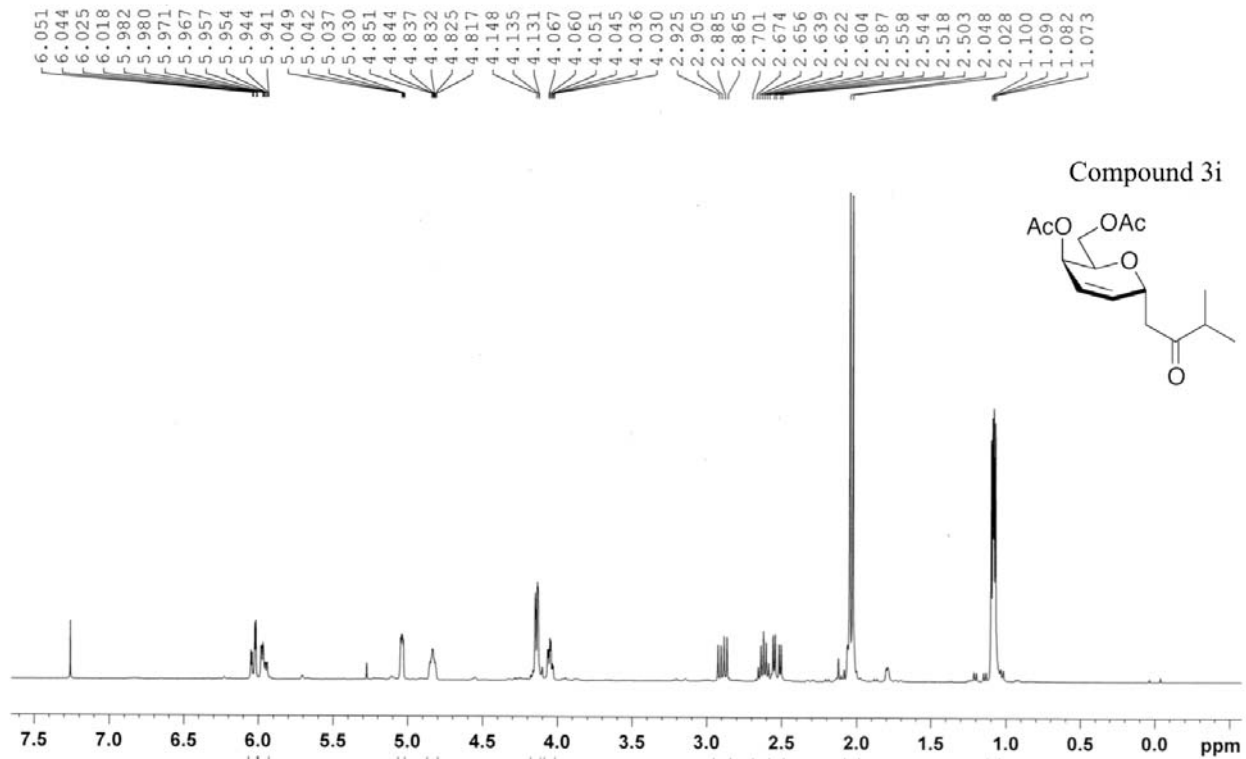
1-((4,6-di-acetyl)-2,3-dideoxy- α -D-threo-hex-2-enopyranoxyl)-1-(3,4,5-trimethoxyphenyl)ethanone (3h)





1-((4,6-di-acetyl)-2,3-dideoxy- α -D-threo-hex-2-enopyranoxyl)-2-(3-methyl)butanone (3i)

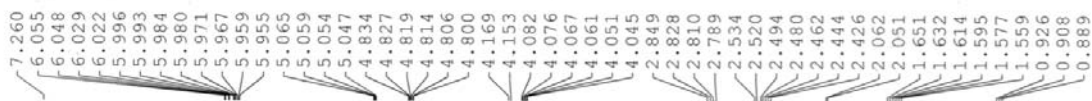
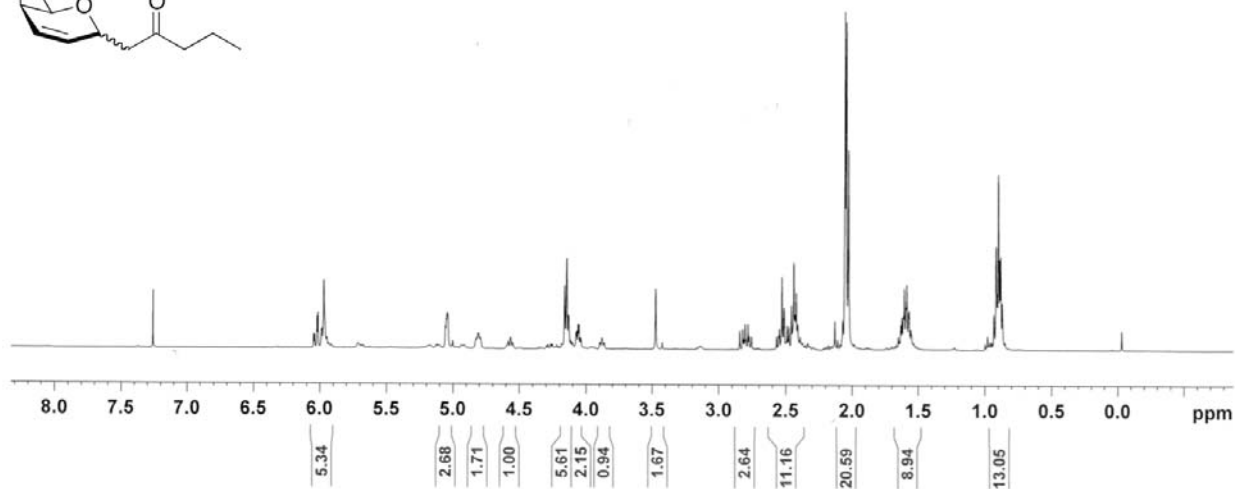
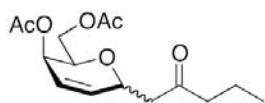




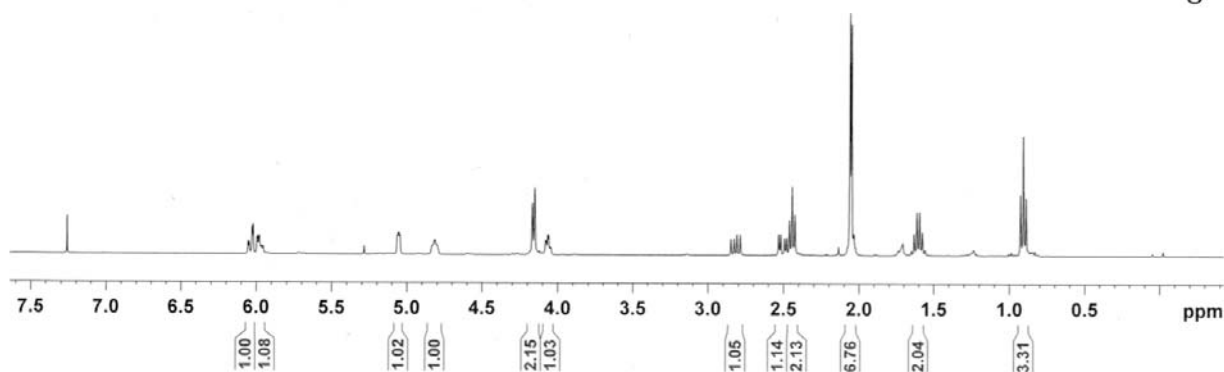
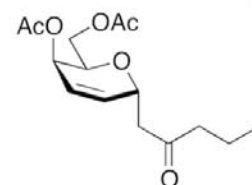
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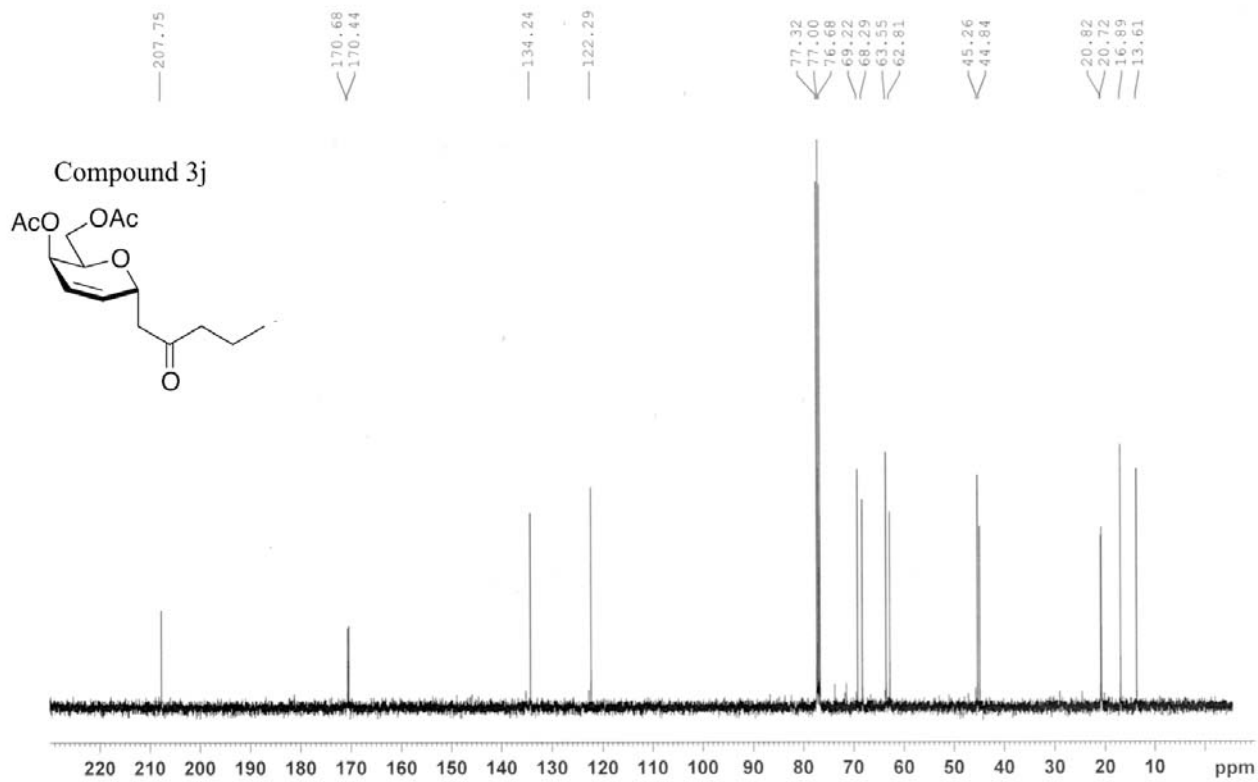


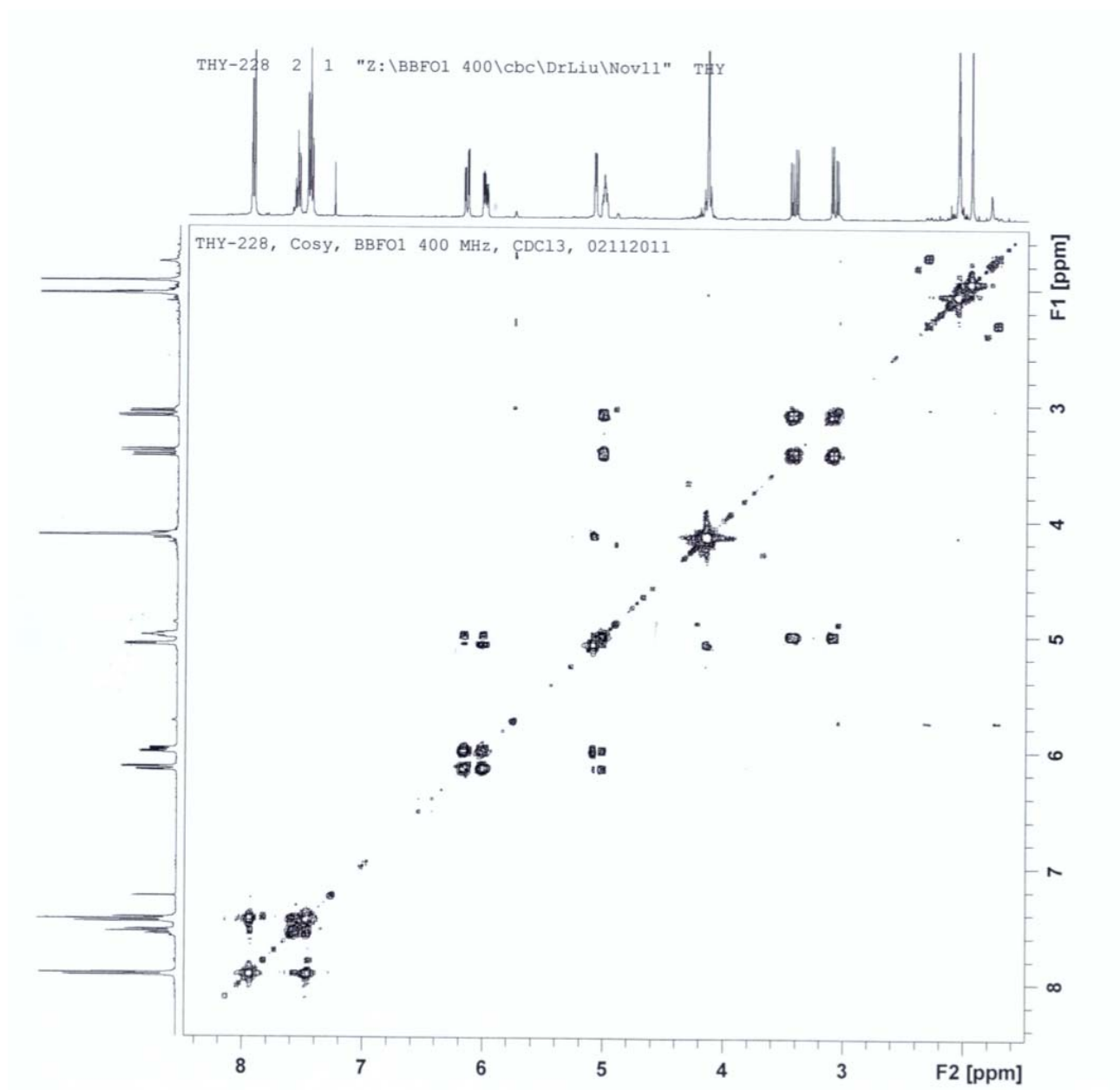
Compound 3j (α/β)



Compound 3j



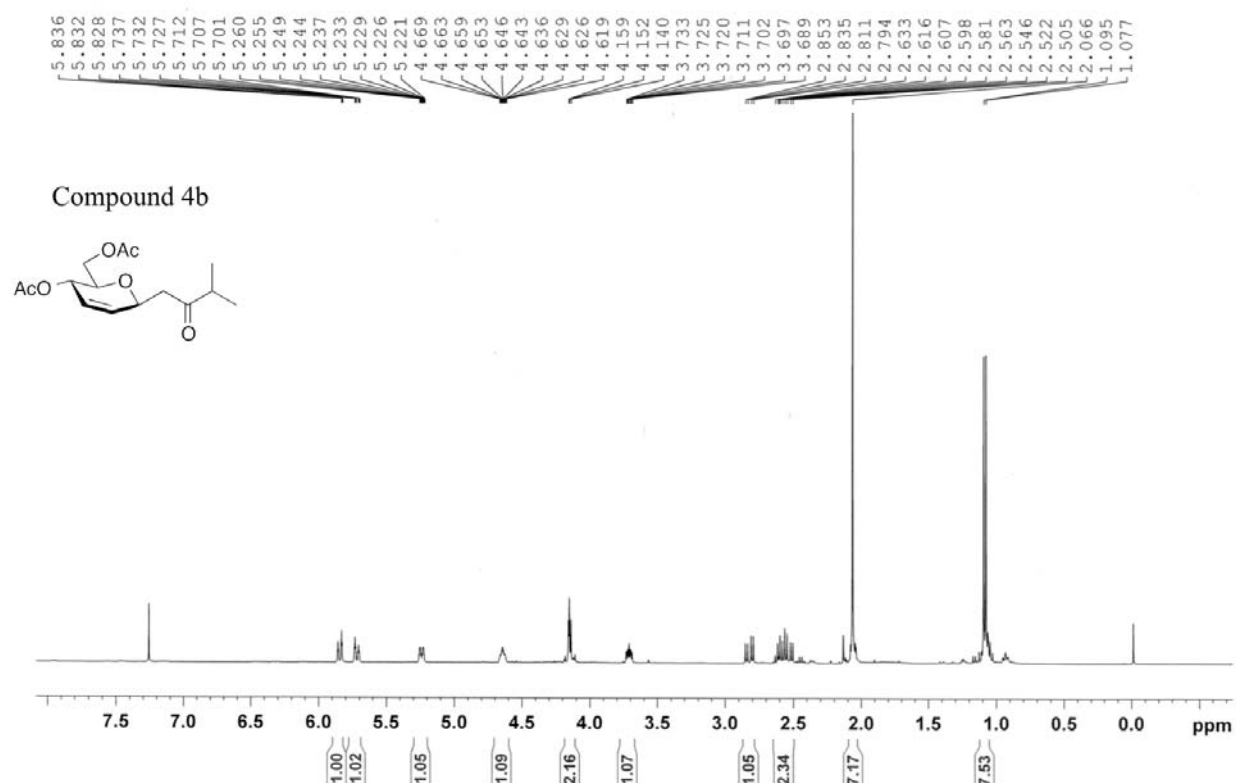
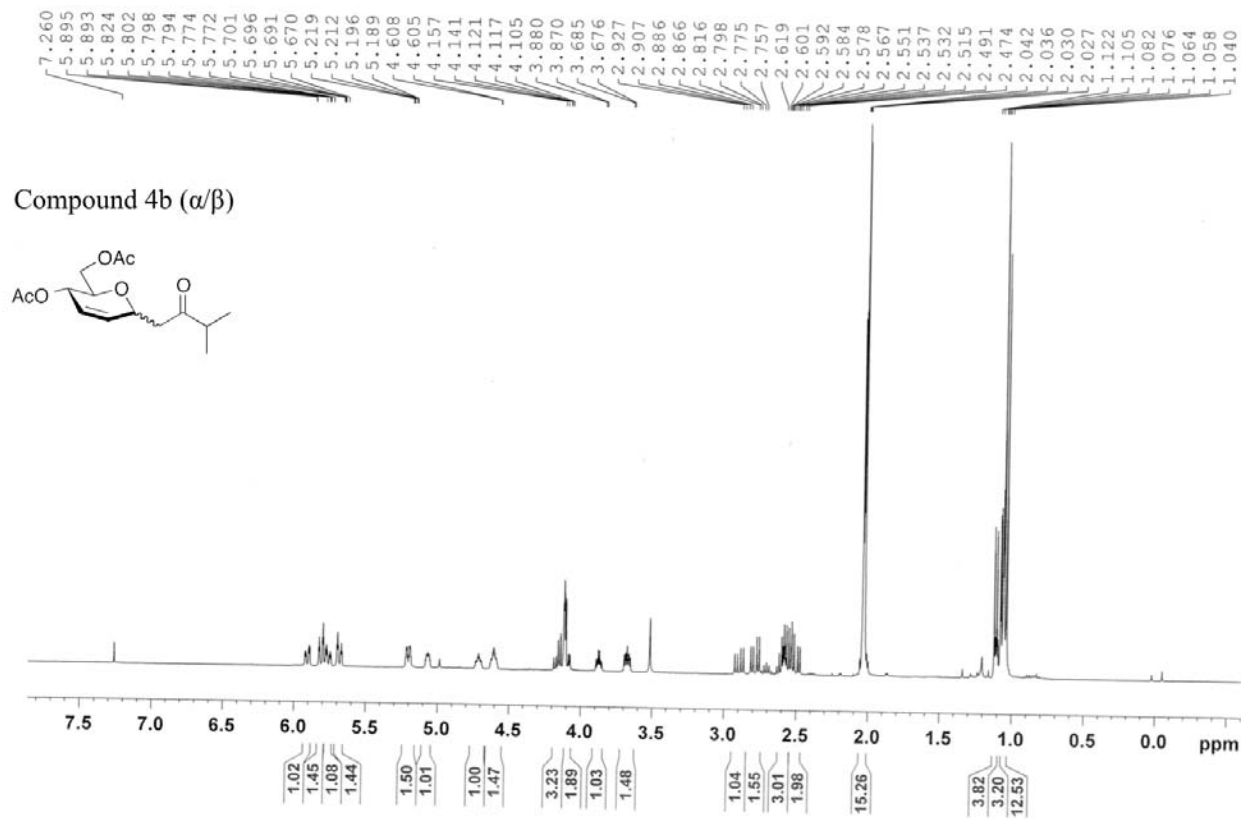


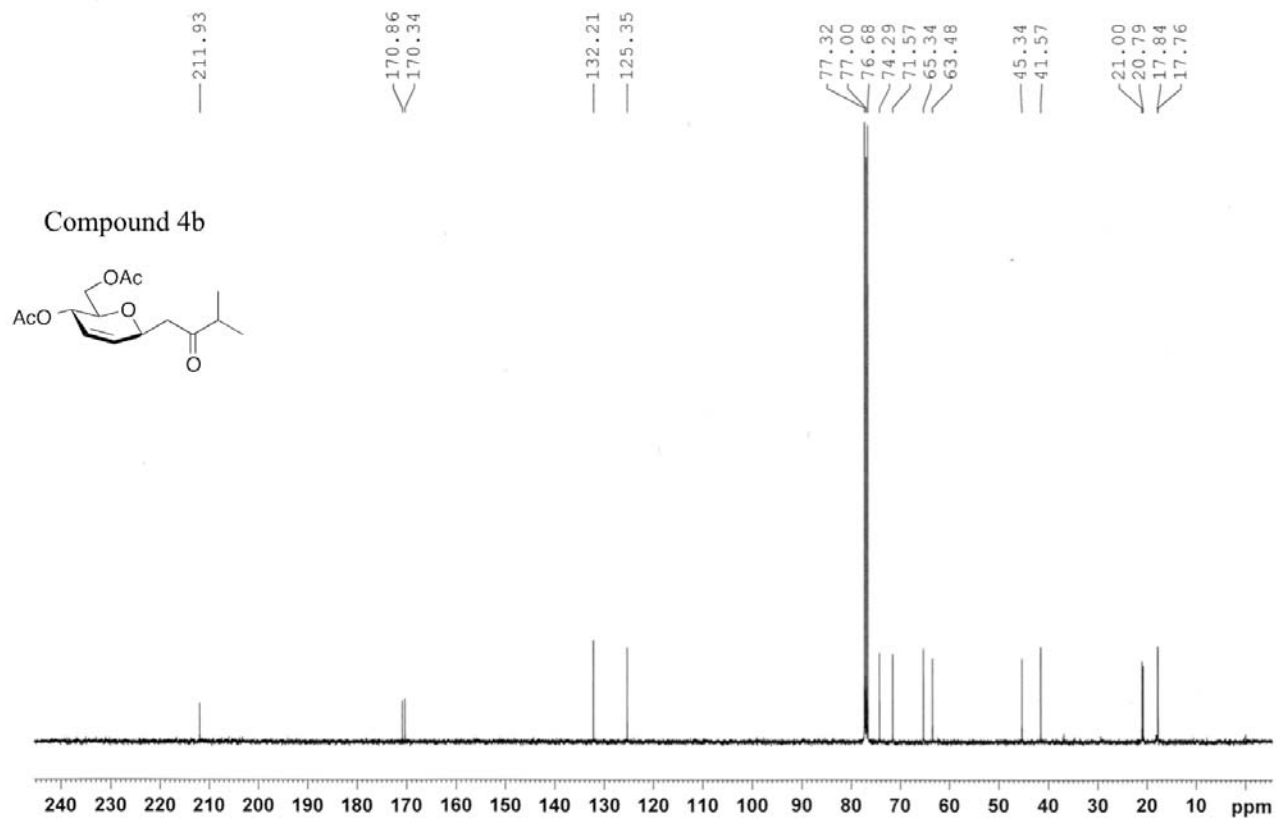
COSY spectrum data for C-Glycoside 3d:**1-((4,6-di-acetyl)-2,3-dideoxy- α -D-threo-hex-2-enopyranoxyl)-1-phenyl-ethanone (3d)**

NOESY spectrum data for C-Glycoside 3d:**1-((4,6-di-acetyl)-2,3-dideoxy- α -D-threo-hex-2-enopyranoxyl)-1-phenyl-ethanone
(3d)**

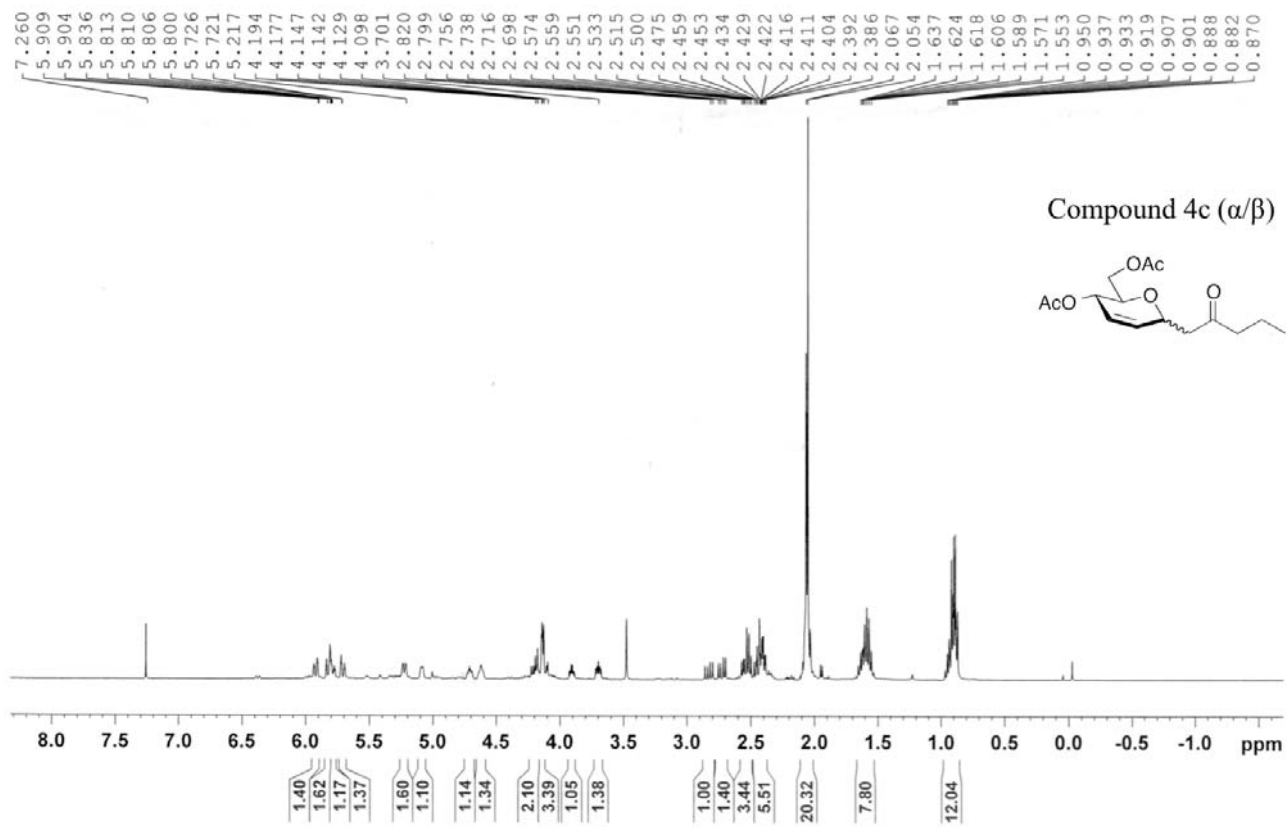
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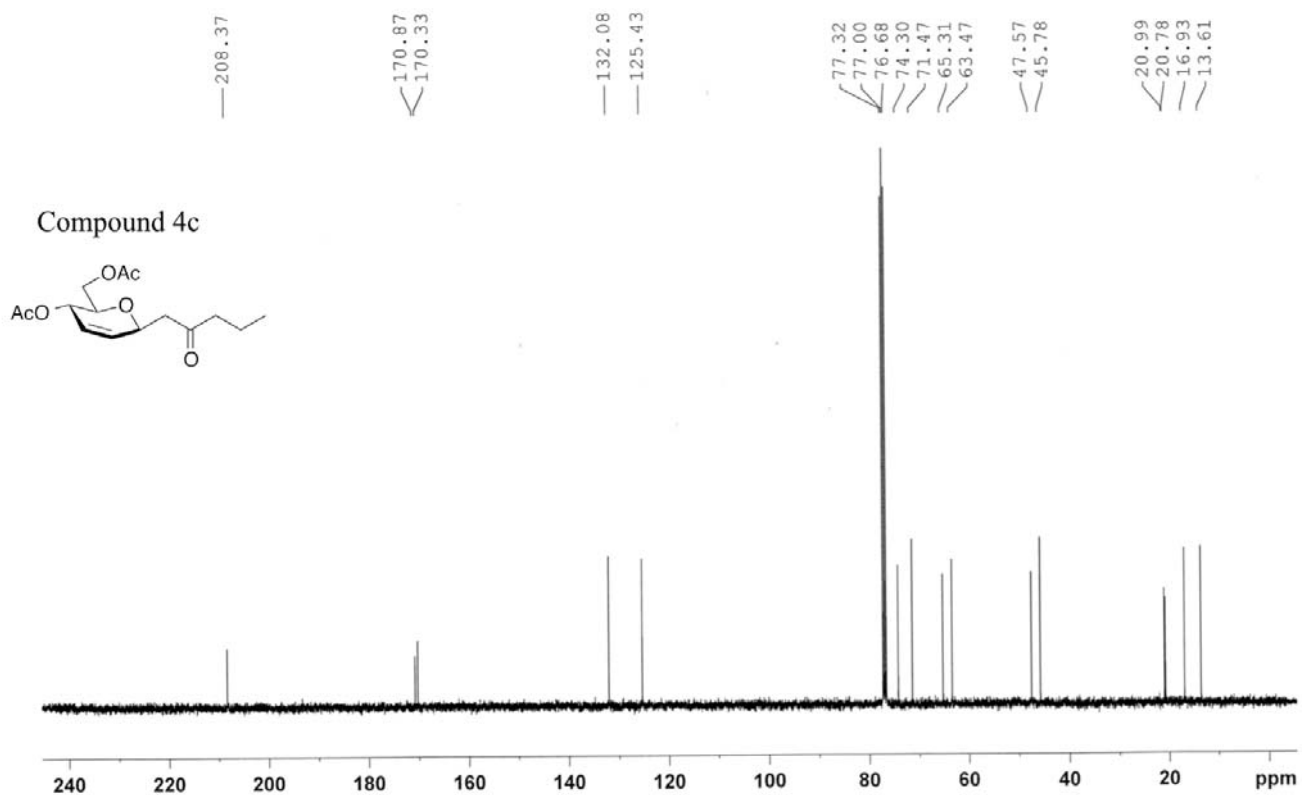
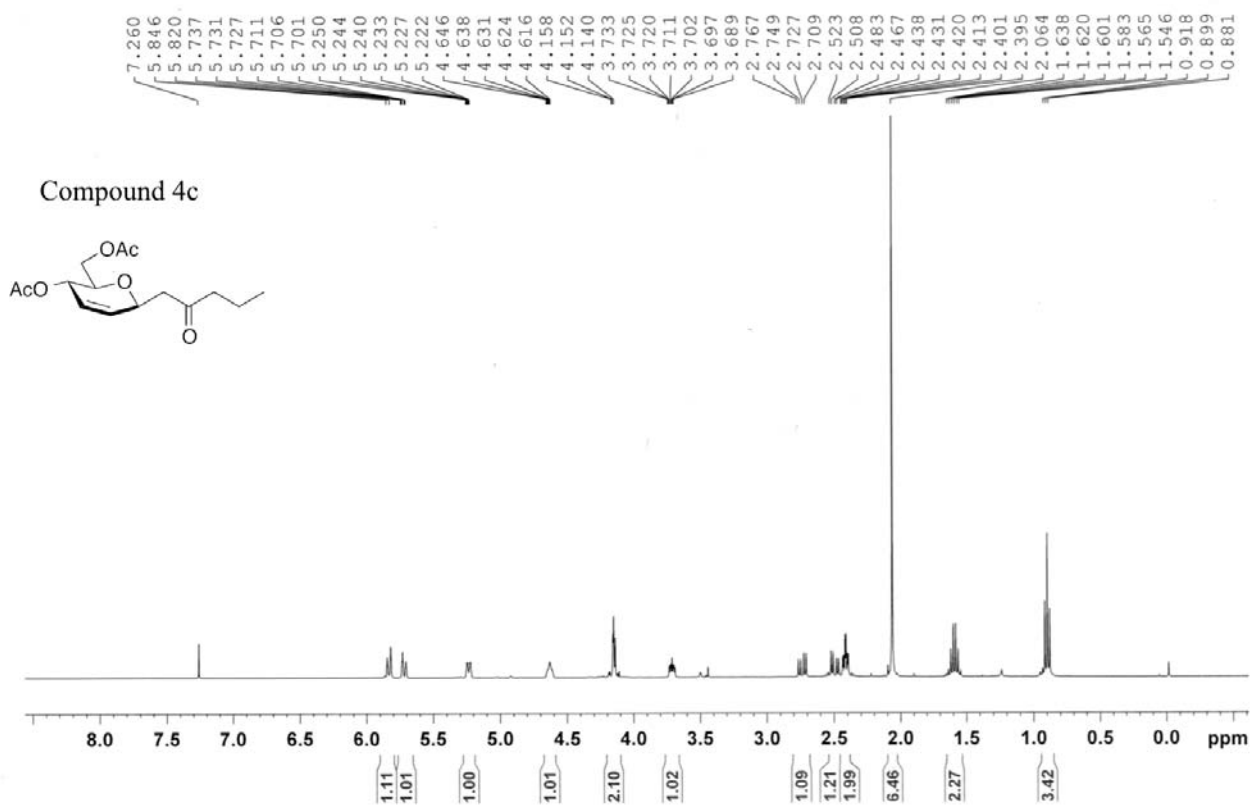
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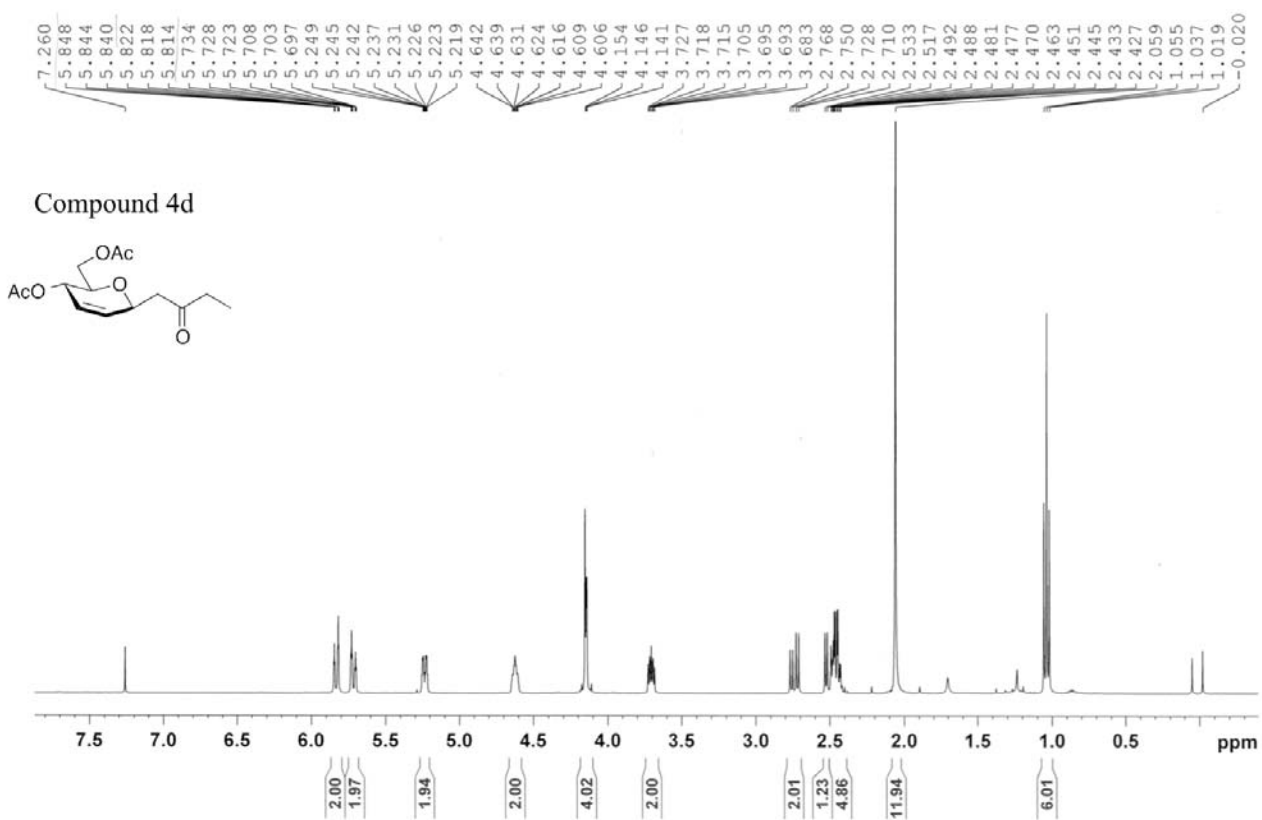
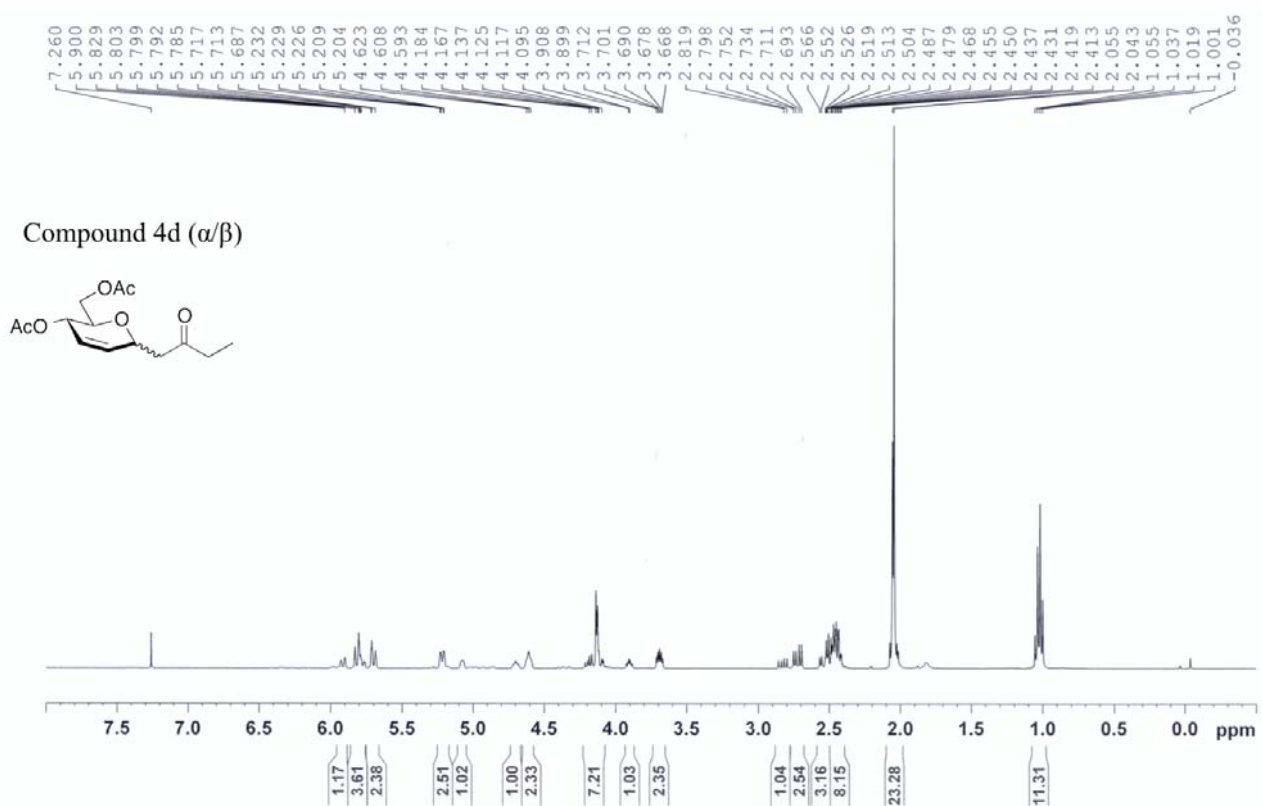


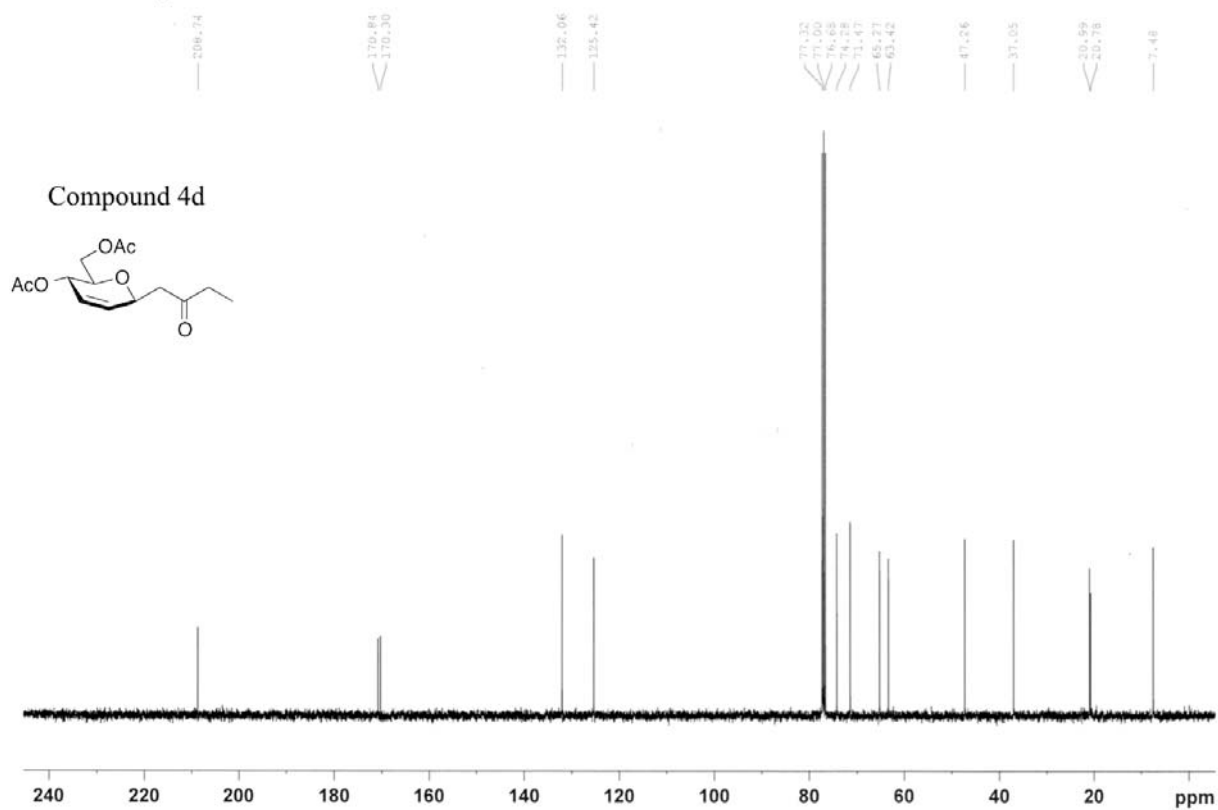
1-((4,6-di-acetyl)-2,3-dideoxy- β -D-erythro-hex-2-enopyranoxyl)-2-pentanone (4c)





1-((4,6-di-acetyl)-2,3-dideoxy- β -D-erythro-hex-2-enopyranoxyl)-2-butanone (4d)





(2R-*cis*)-1-(5-acetoxy-5,6-dihydro-2H-pyran-2-yl)acetophenone (4e)

