

Electronic Supplementary Information (ESI)

“A short enantioselective synthesis of 3-*epi*-jaspine B and (+)-oxybiotin via intramolecular tandem desilylation-oxa Michael addition strategy”

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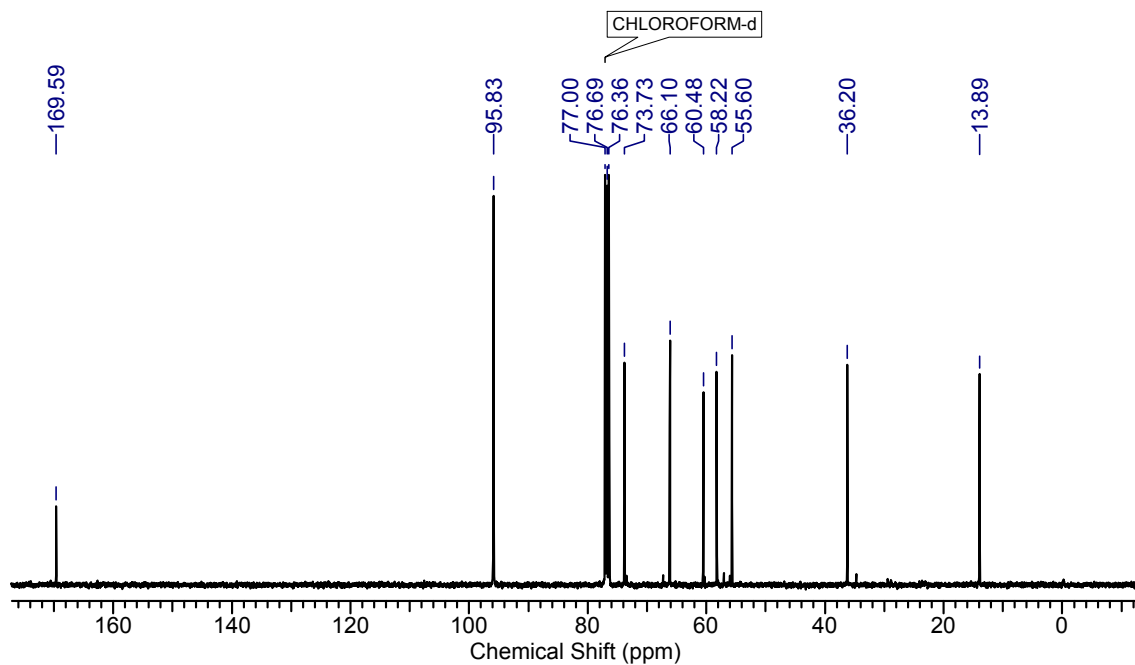
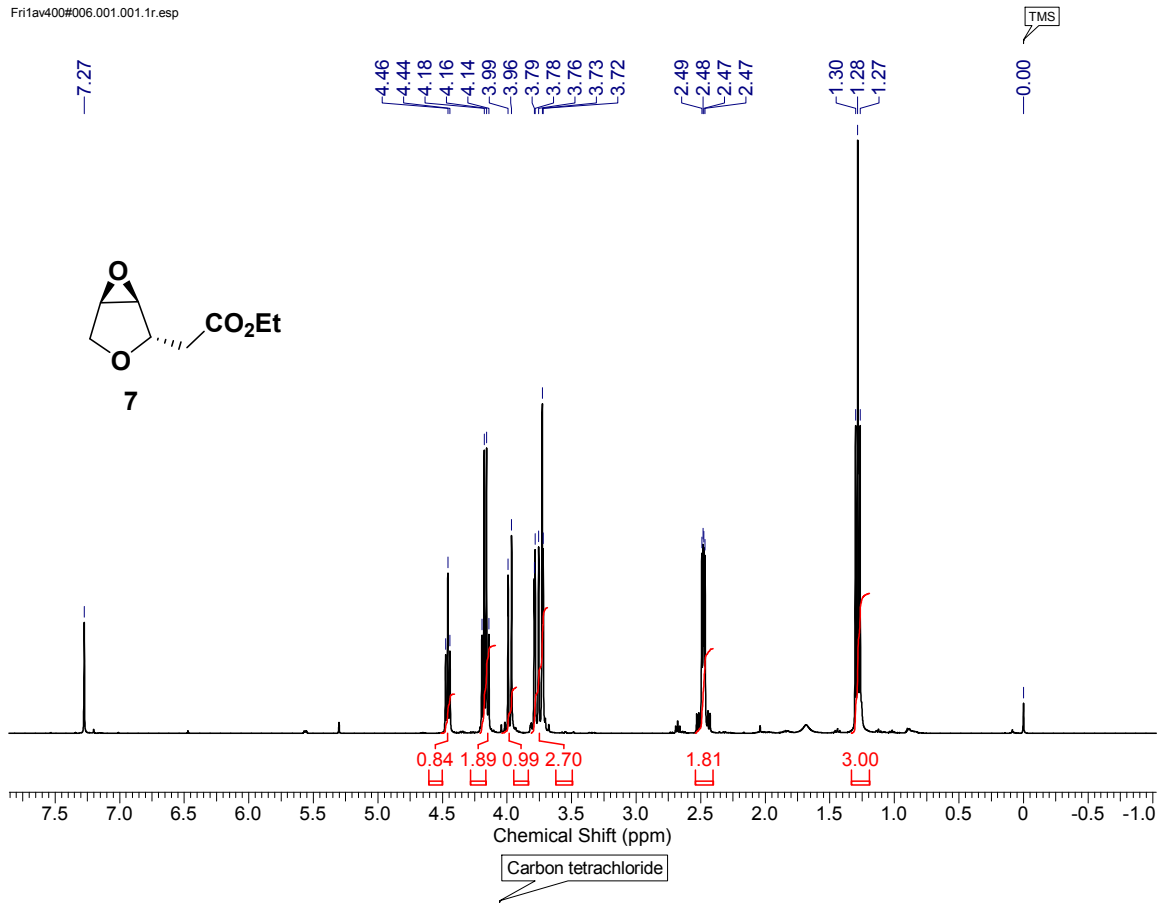
1. General Information

Solvents were purified and dried by standard procedures before use. Optical rotations were measured using sodium D line on a JASCO-181 digital polarimeter. IR spectra were recorded on a Perkin-Elmer model 683 B and absorption is expressed in cm^{-1} . ^1H NMR and ^{13}C NMR spectra were recorded on Bruker AC-200 spectrometer unless mentioned

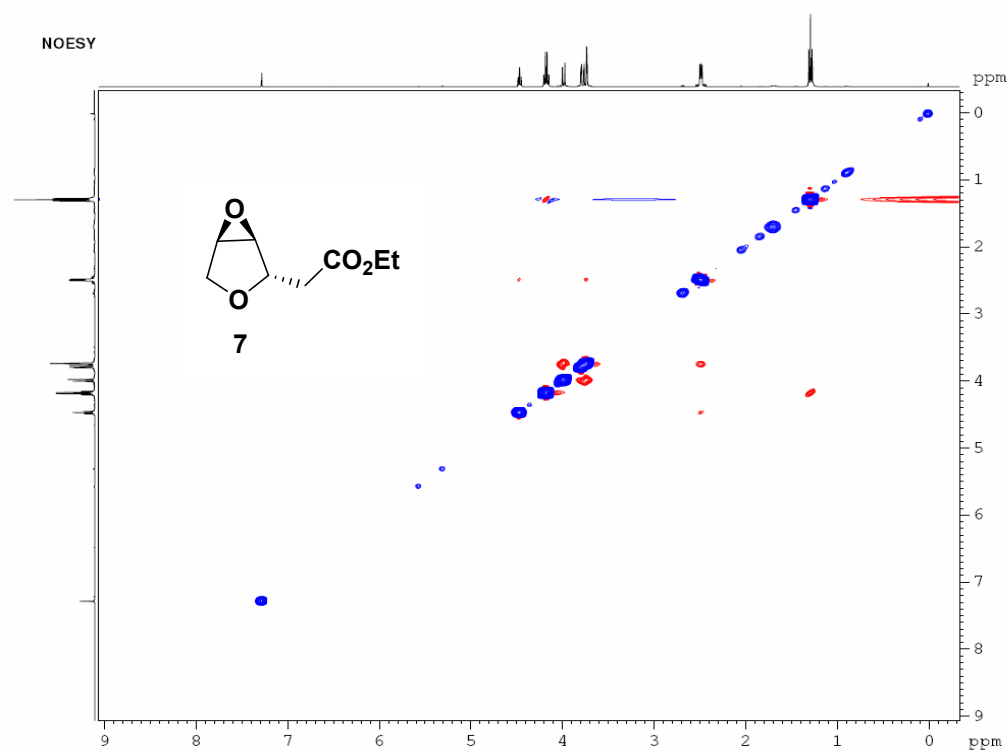
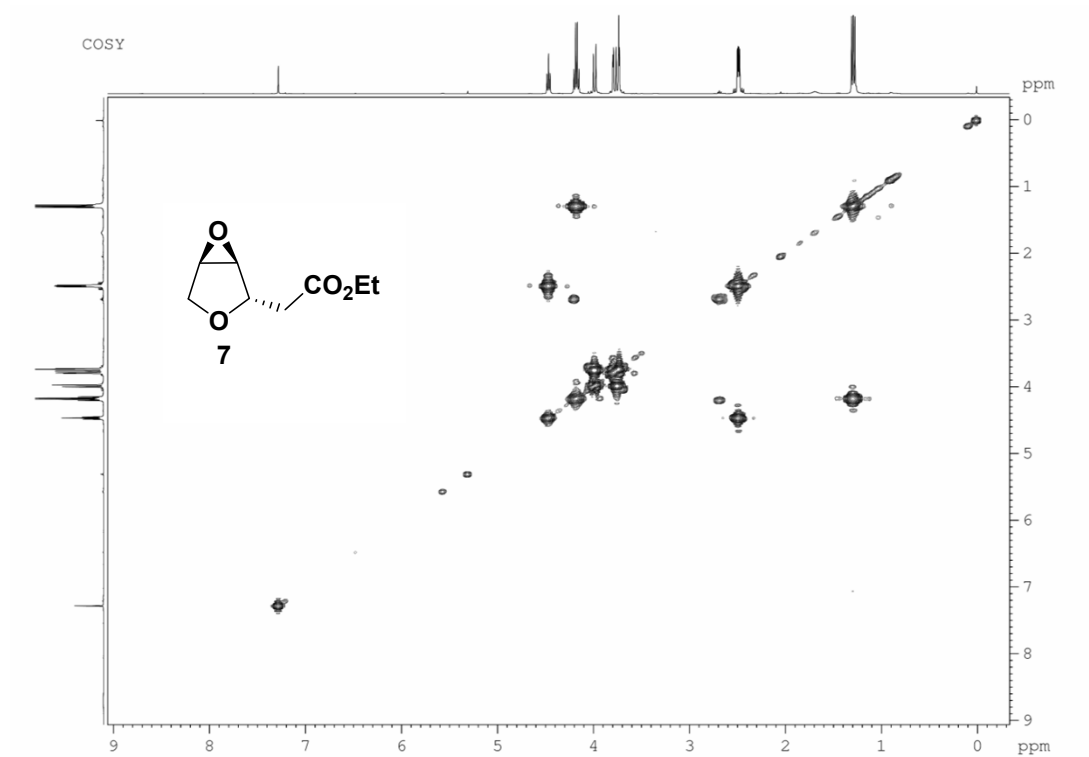
otherwise. Purification was done using column chromatography (60-120 mesh). HRMS data were recorded on a Thermo Scientific Q-Exactive, Accela 1250 pump.

2. Spectra

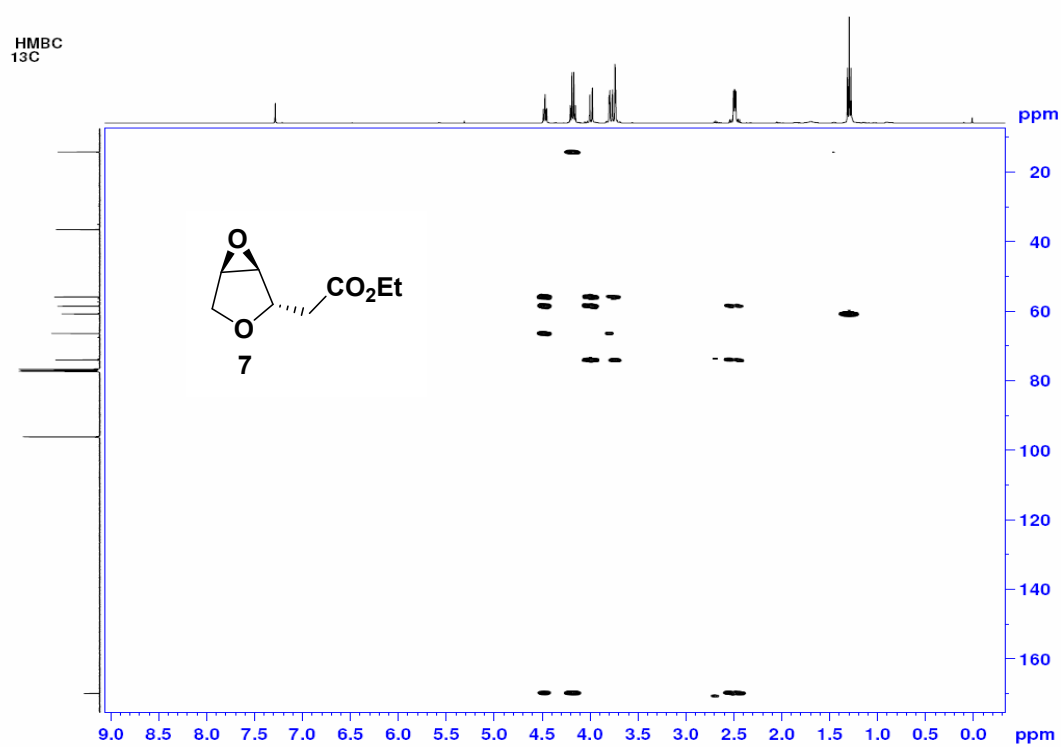
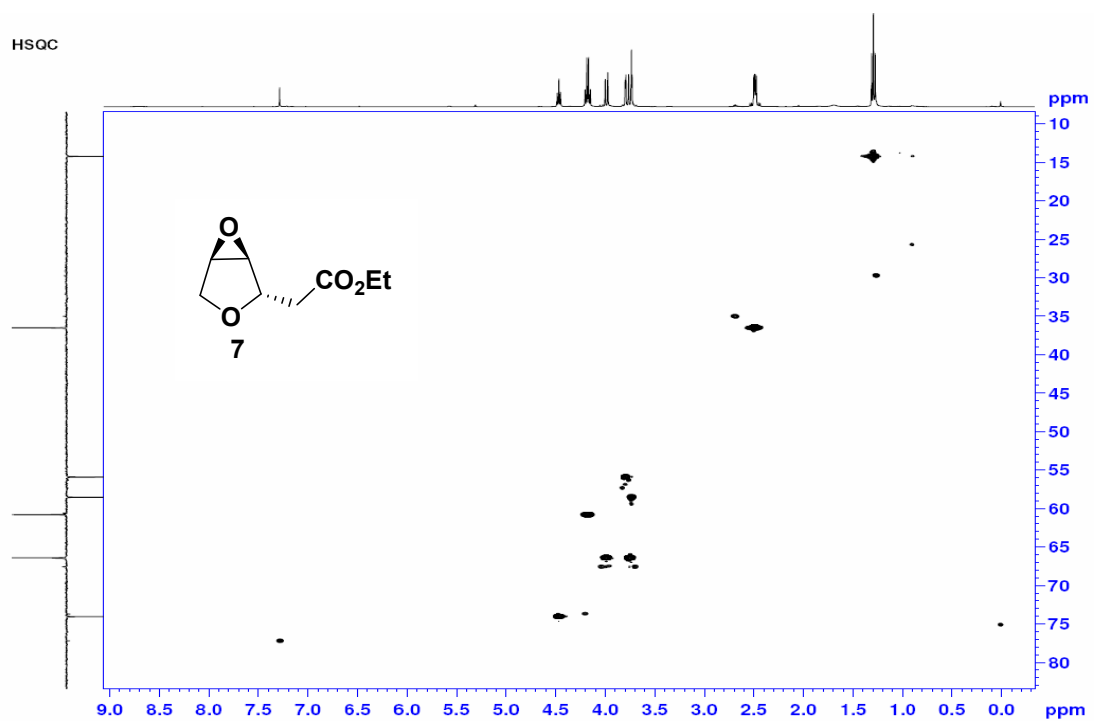
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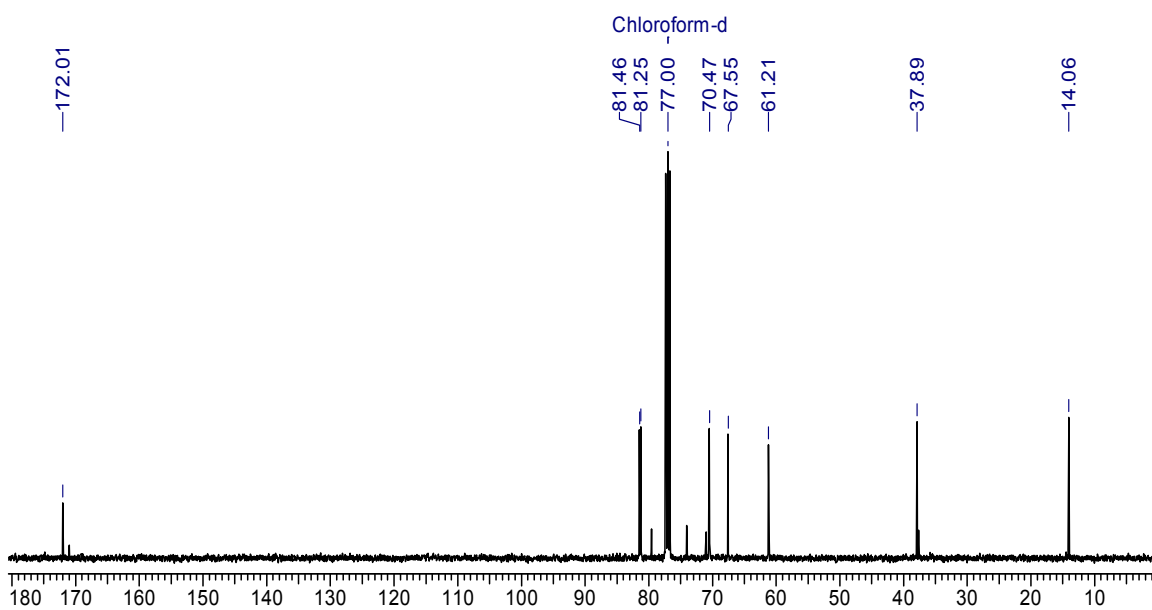
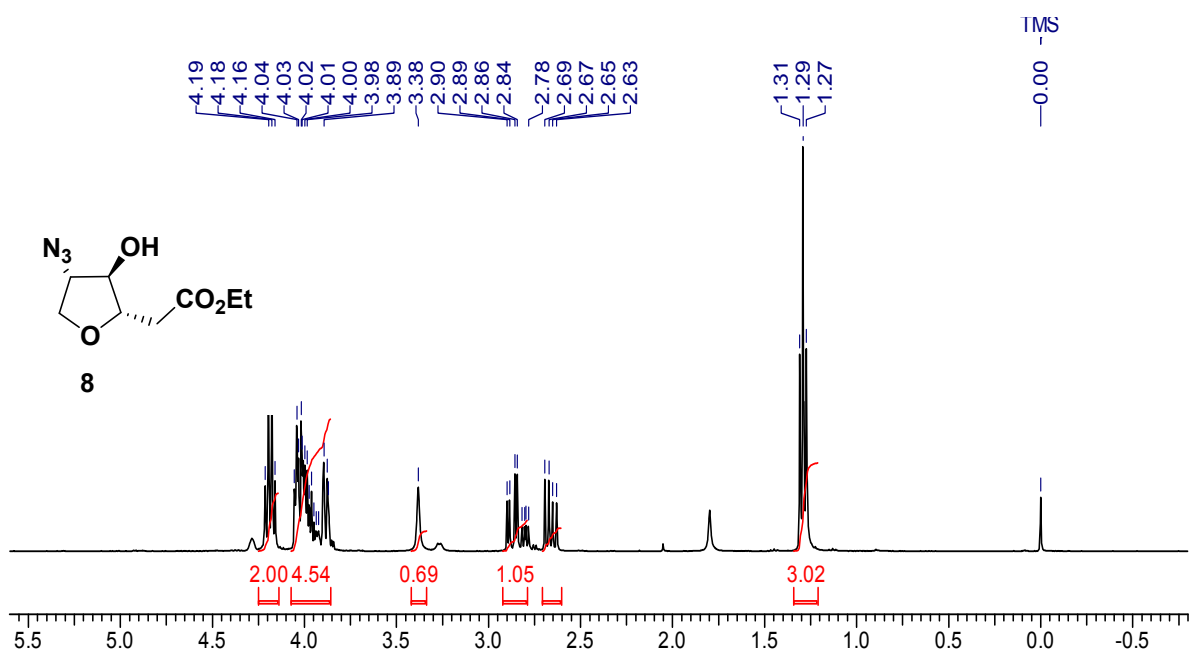
Ethyl 2-((1*S*, 2*S*, 5*R*)-3,6-dioxabicyclo[3.1.0]hexan-2-yl)acetate(7)



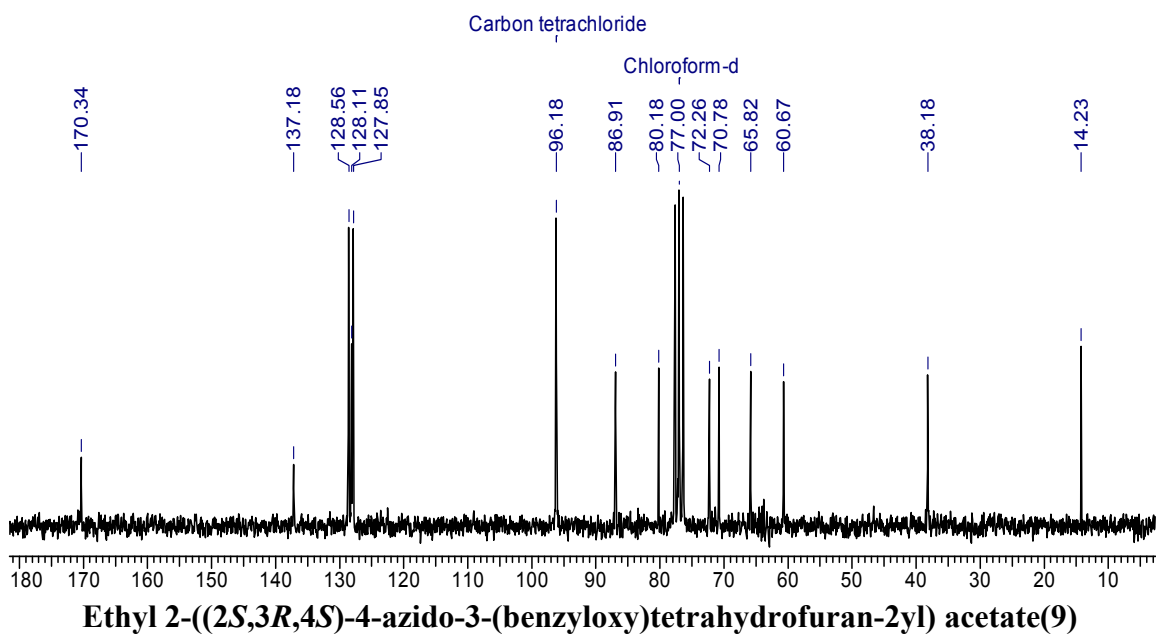
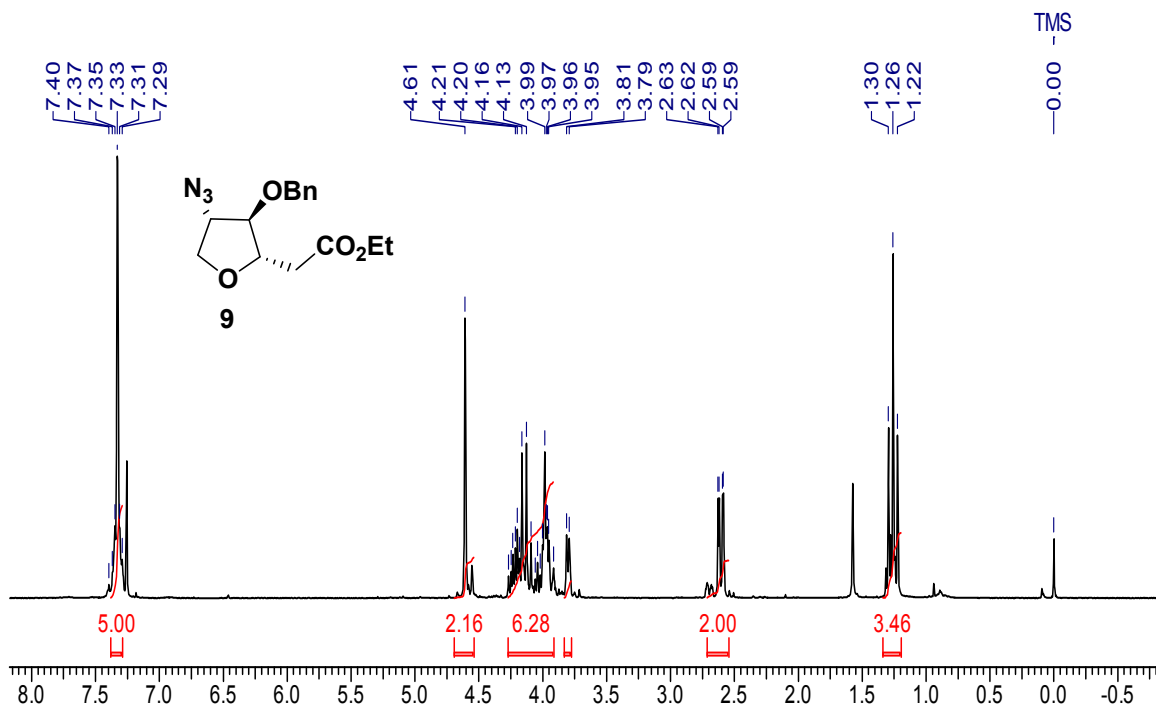
NOESY and COSY of Compound 7



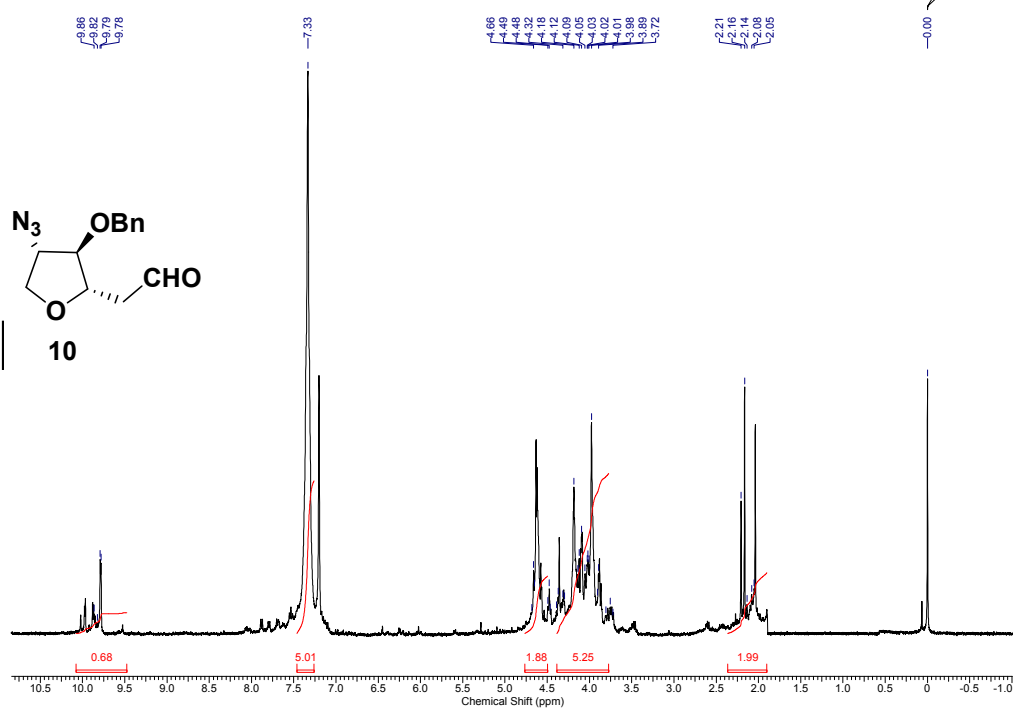
HSQC and HMBC of Compound 7



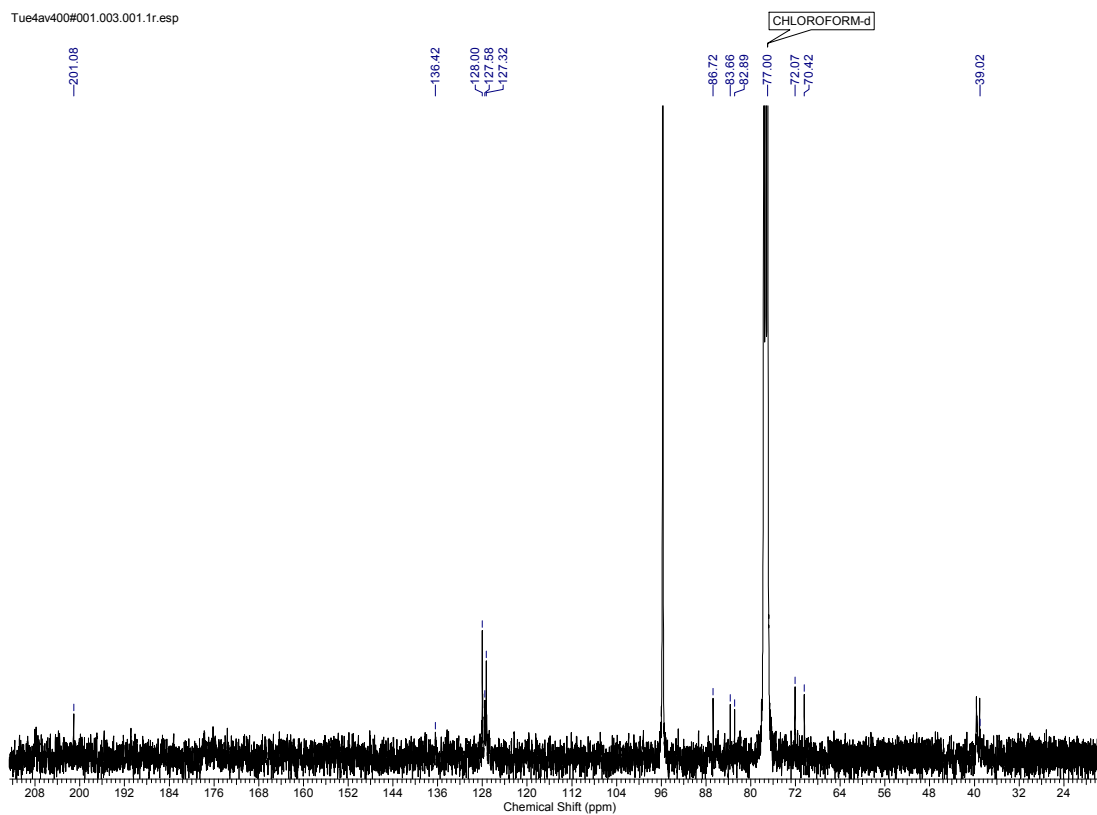
Ethyl 2-((2S,3R,4S)-4-azido-3-hydroxytetrahydrofuran-2-yl)acetate(8)



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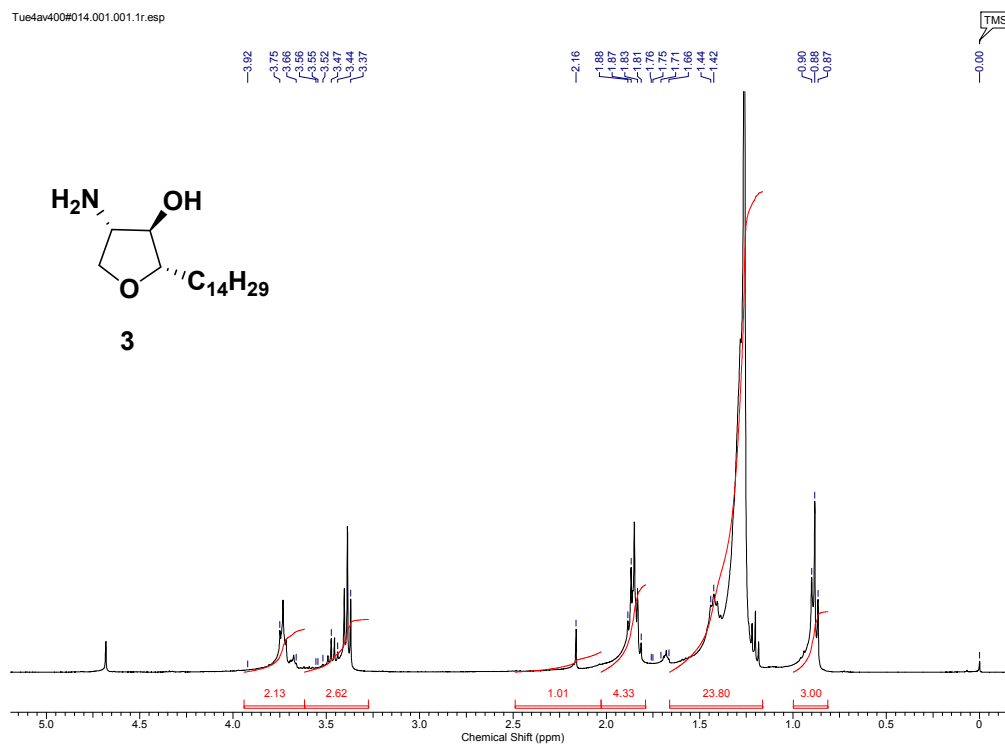


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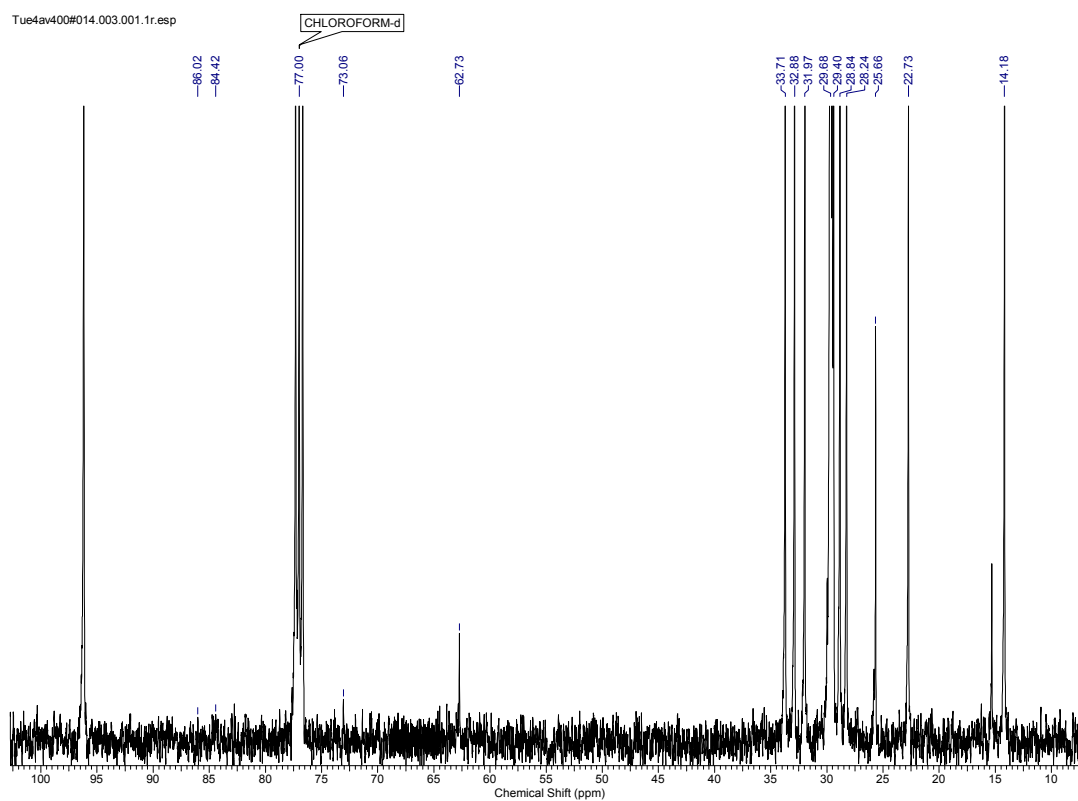


2-((2S,3R,4S)-4-azido-3-(benzyloxy)tetrahydrofuran-2yl)acetaldehyde(10)

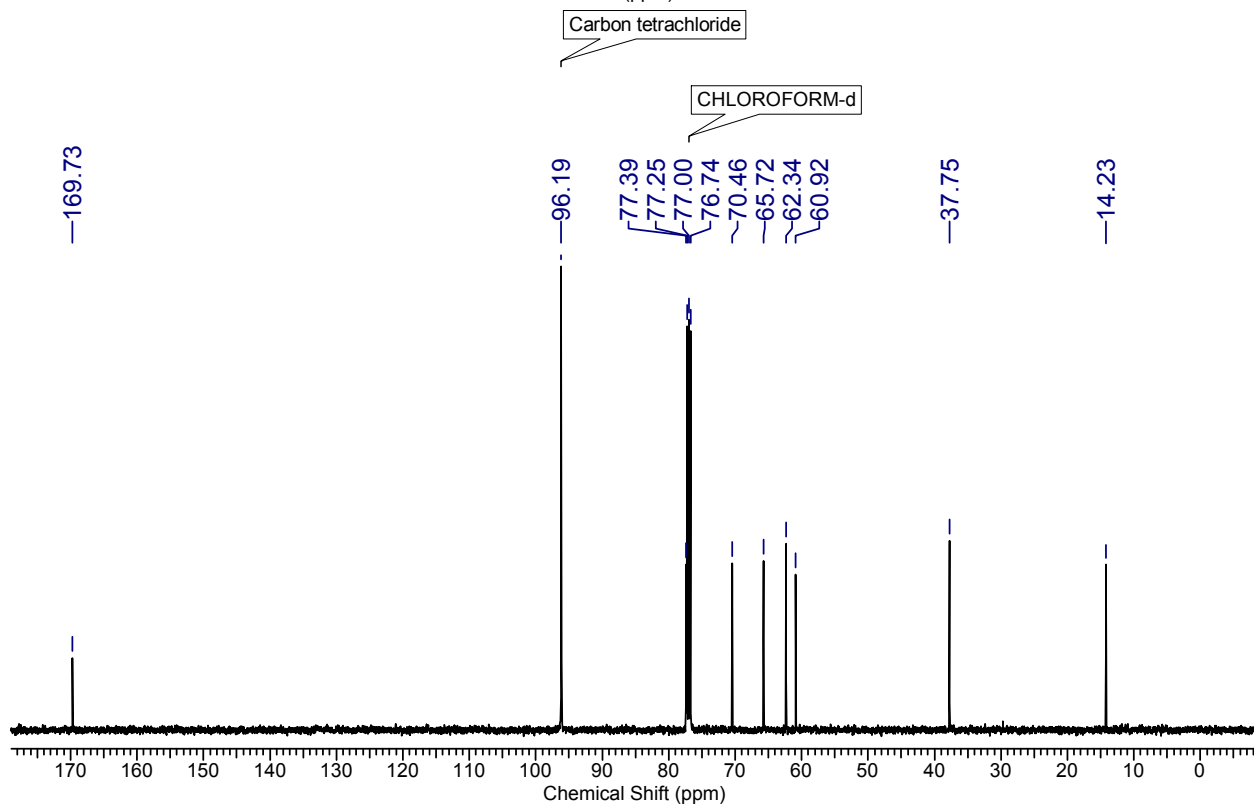
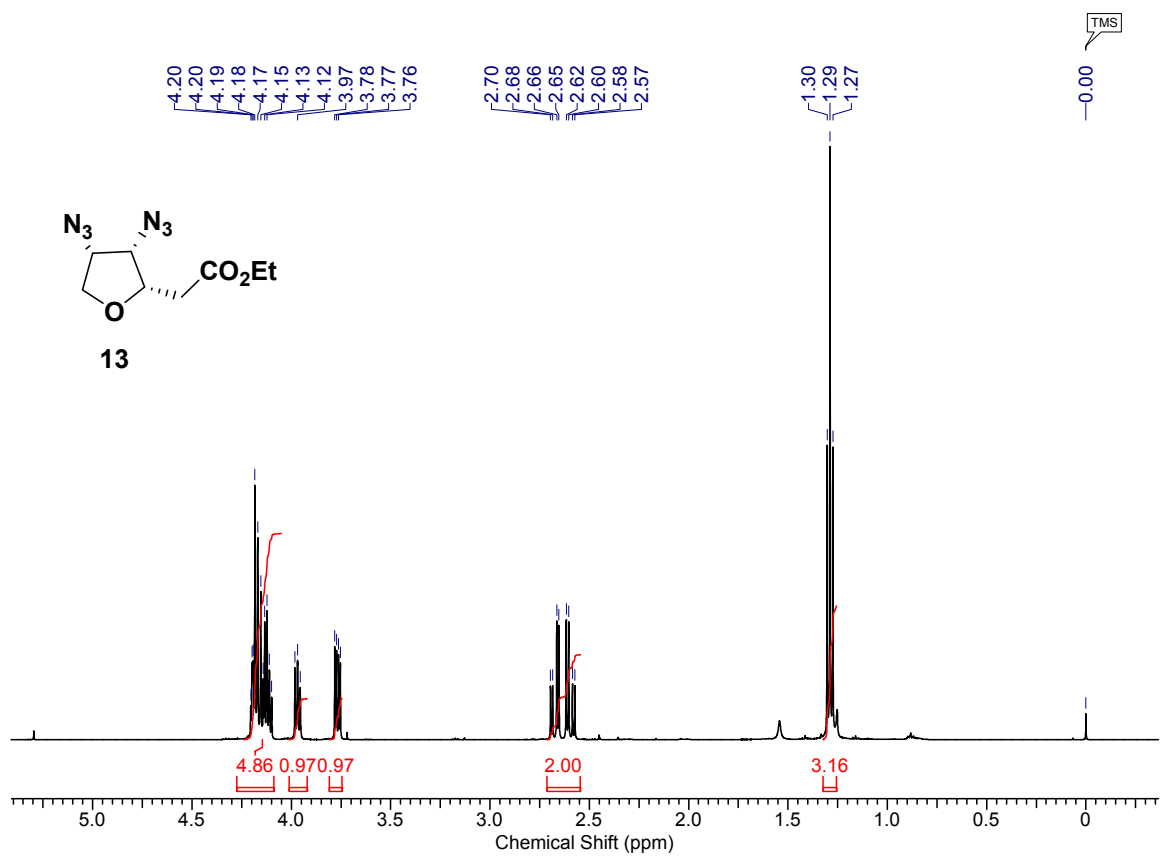
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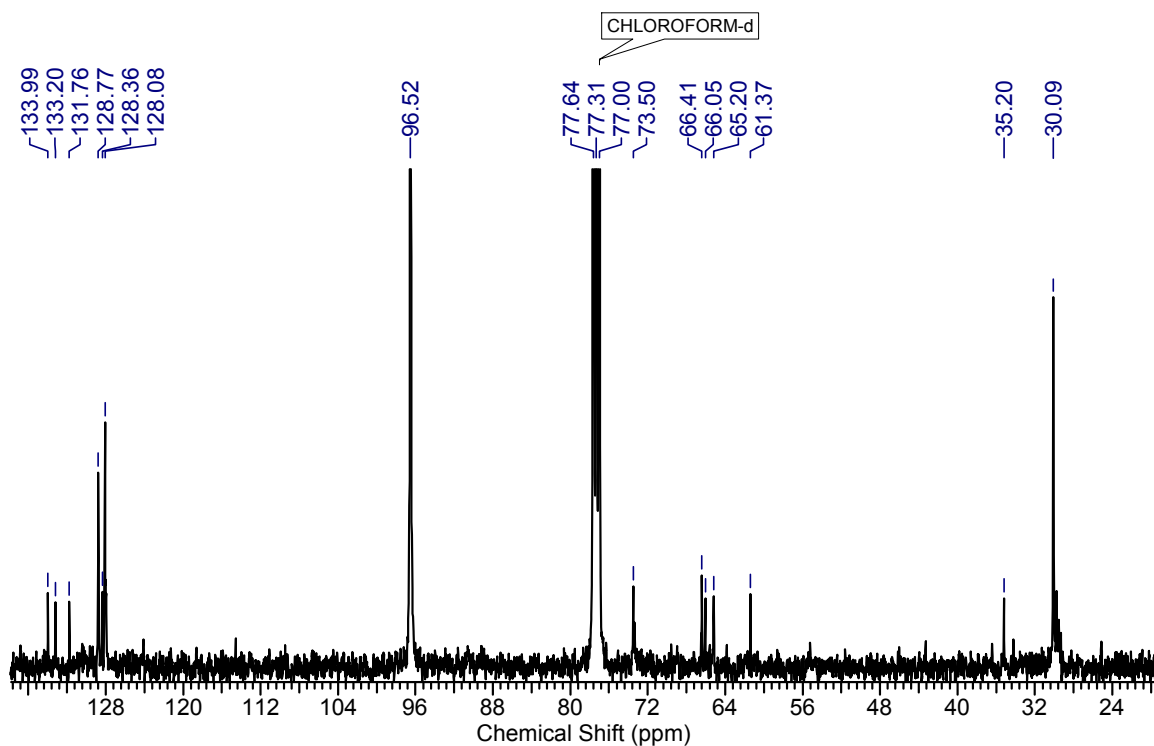
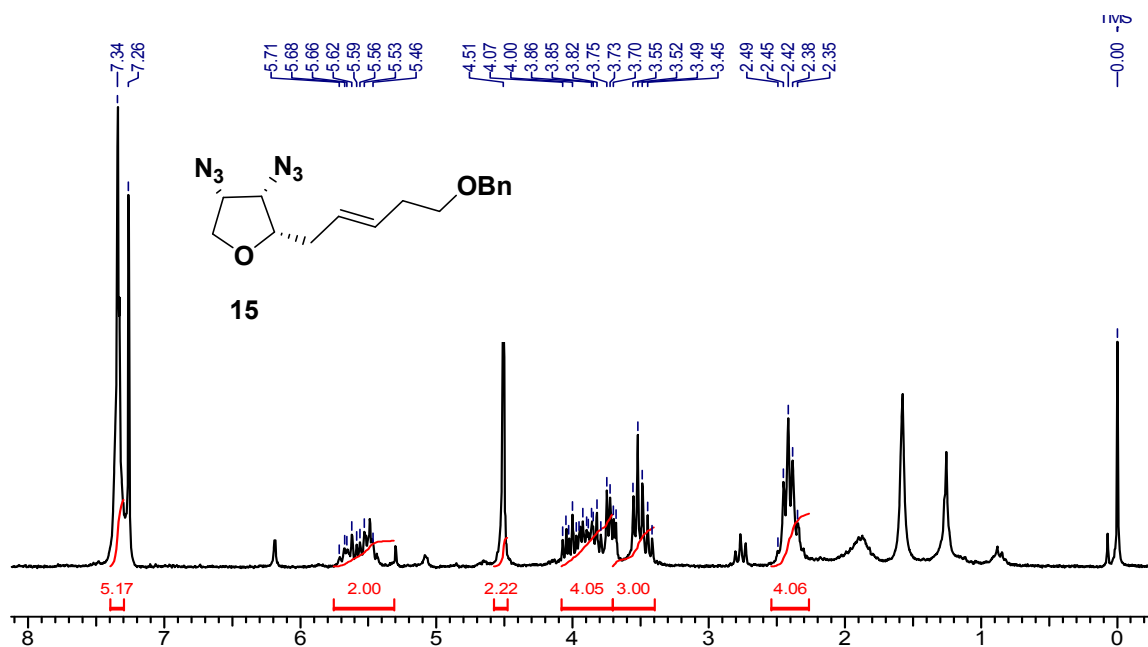
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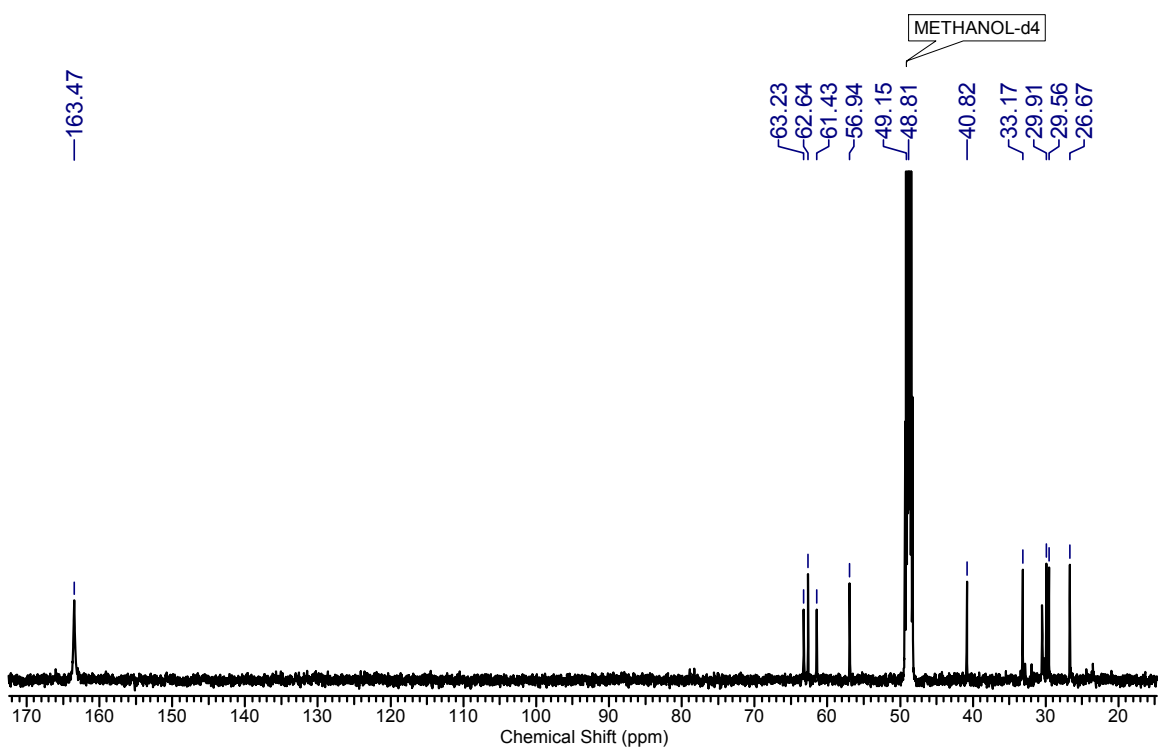
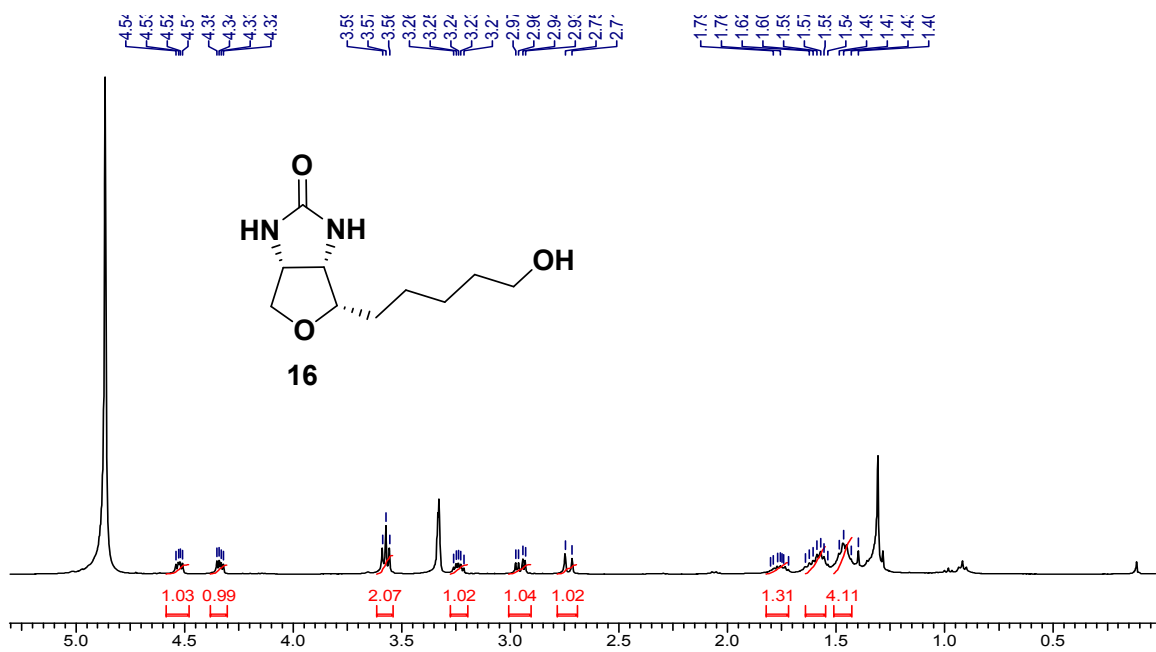
3-epi Jaspine B (3)



Ethyl 2-((2S,3S,4R)-3,4-diazidotetrahydrofuran-2-yl)acetate (13)

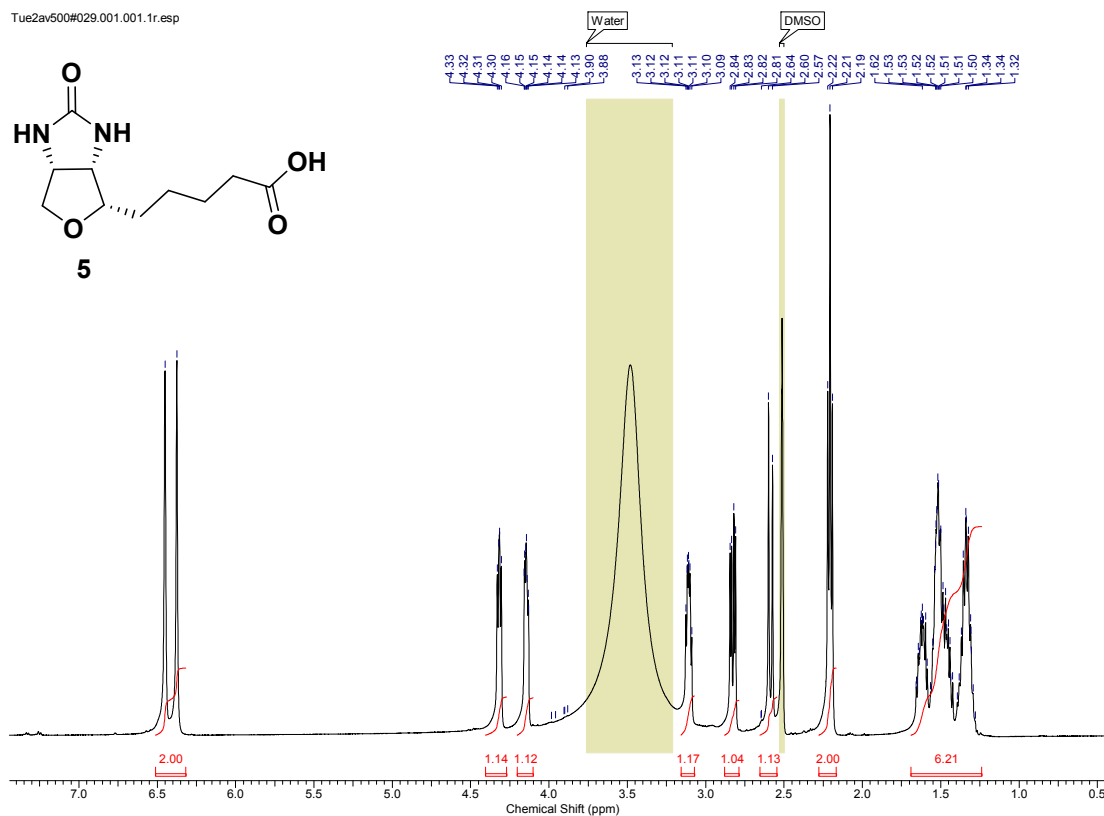
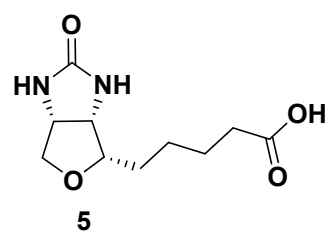


(2S,3S,4R)-3,4-diazido-2-(5-(benzyloxy)pent-2-en-1-yl)tetrahydrofuran(15)

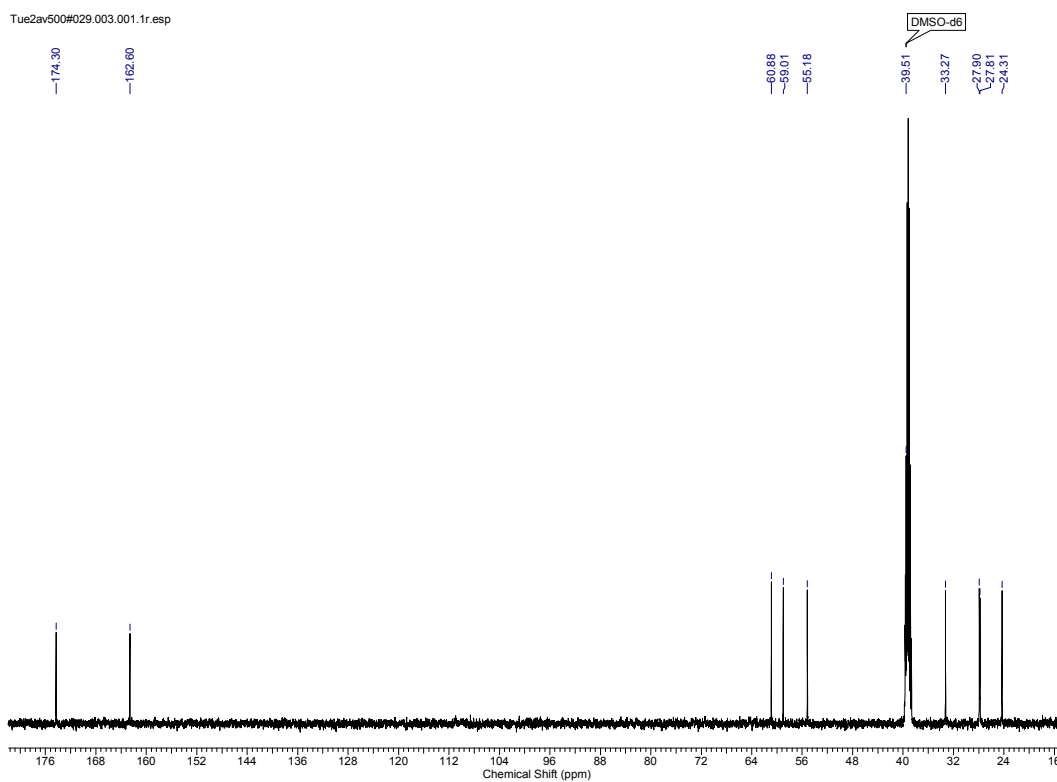


(3*S*, 4*S*, 6*R*)-4-(5-hydroxypentyl)tetrahydro-1*H*-furo[3,4-*d*]imidazol-2(3*H*)-one(16)

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(+)-oxybiotin (5)