

## SUPPLEMENTARY MATERIALS

for

### Indolyl-septanoside synthesis for *in vivo* screening of bacterial septanoside hydrolases

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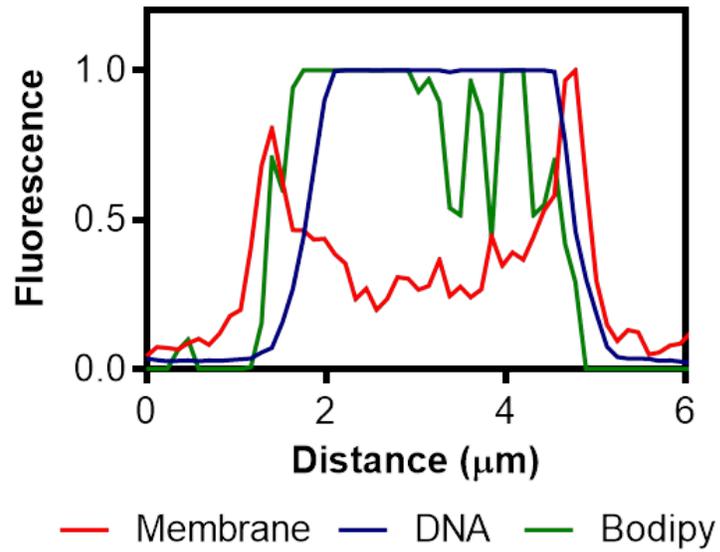
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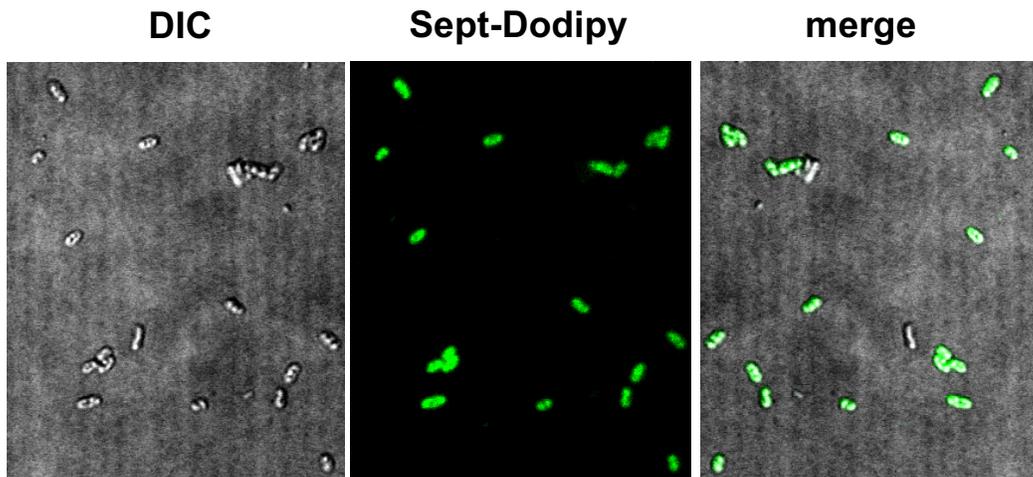
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### Contents

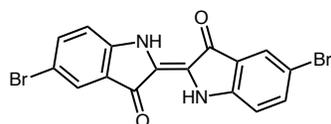
Item	Page
<b>Figure S1.</b> Relative fluorescence intensity from confocal scanning microscopy images (from Figure 6, main text)	2
<b>Figure S2.</b> Confocal fluorescence microscopy of <i>E. coli</i> TOP10 cells. DIC, optical microscopy image; Sept-Bodipy, BODIPY labeled septanoside ( <b>23</b> ). Lower resolution than with MG1655 cells (Figure 6, main text) due to smaller cells size.	2
<b>Figure S3.</b> UV-Vis spectrum of tyrian purple from independent synthesis (Tyrian Purple) and from hydrolysis of indolyl-septanoside <b>9</b> (precipitate).	3
NMR Spectra of new compounds: Compounds: <b>13, 17, 14, 18, 8, 9, 22</b>	4-10



**Figure S1.** Relative fluorescence intensity from confocal scanning microscopy images (from Figure 6, main text)

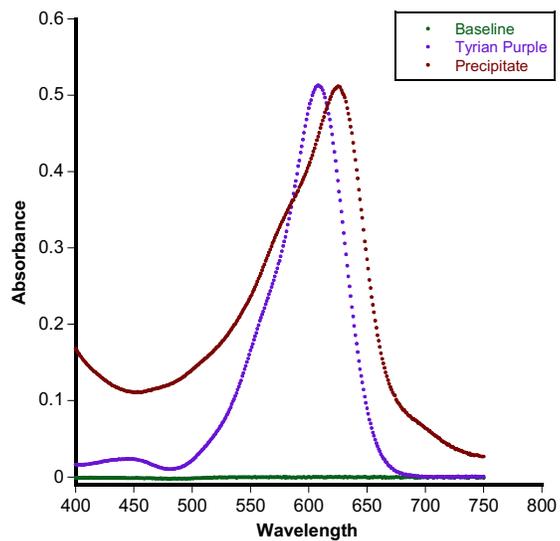


**Figure S2.** Confocal fluorescence microscopy of *E. coli* TOP10 cells. DIC, optical microscopy image; Sept-Bodipy, BODIPY-labelled septanoside (**23**). Lower resolution than with MG1655 cells (Figure 6, main text) due to smaller cells size.

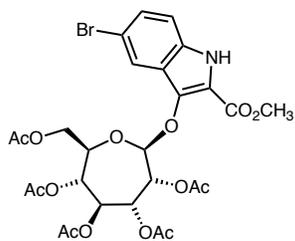


tyrian purple

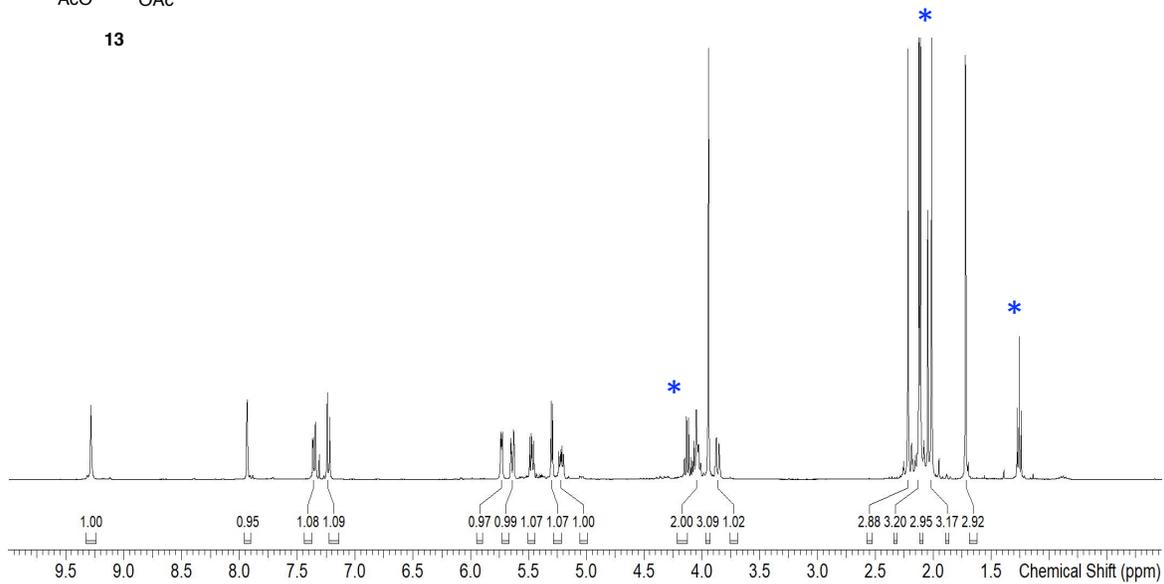
Preicipate Vs. Tyrian purple



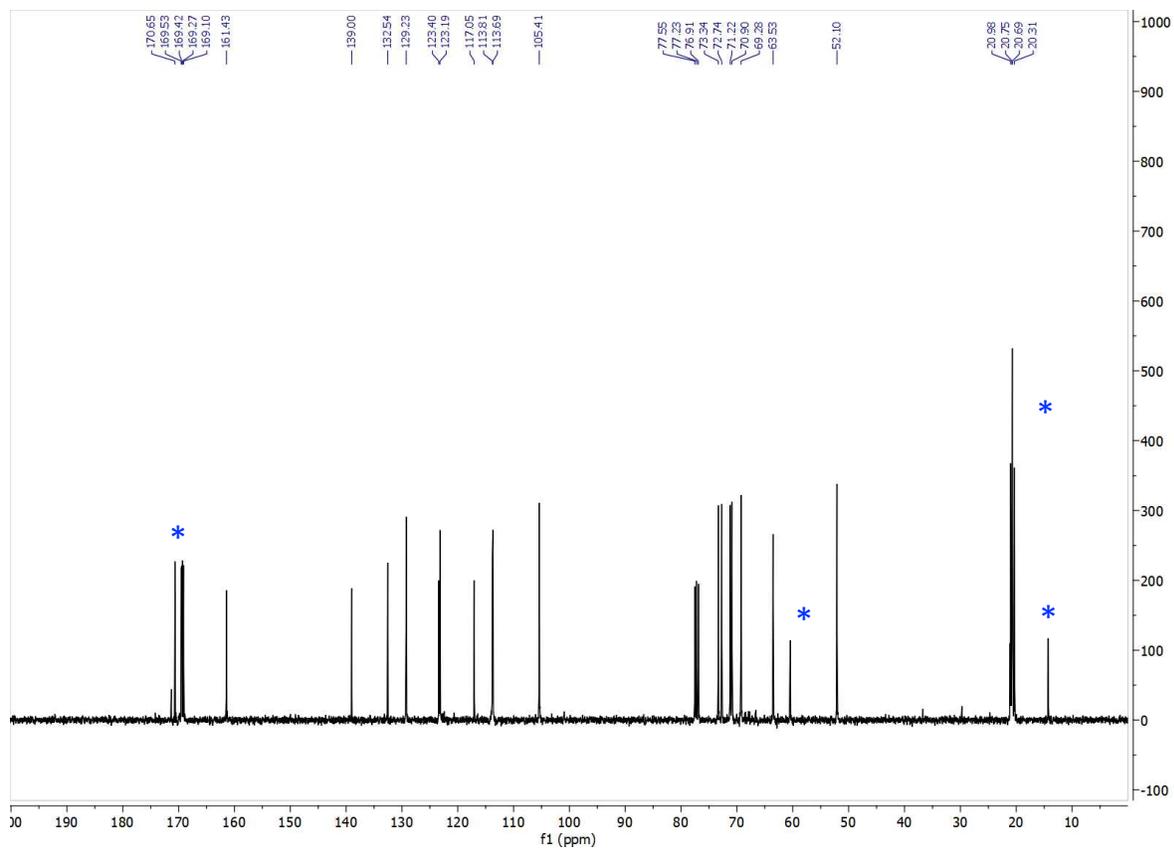
**Figure S3.** UV-Vis spectrum of tyrian purple from independent synthesis (Tyrian Purple) and from hydrolysis of indolyl-septanoside **9** (Precipitate).

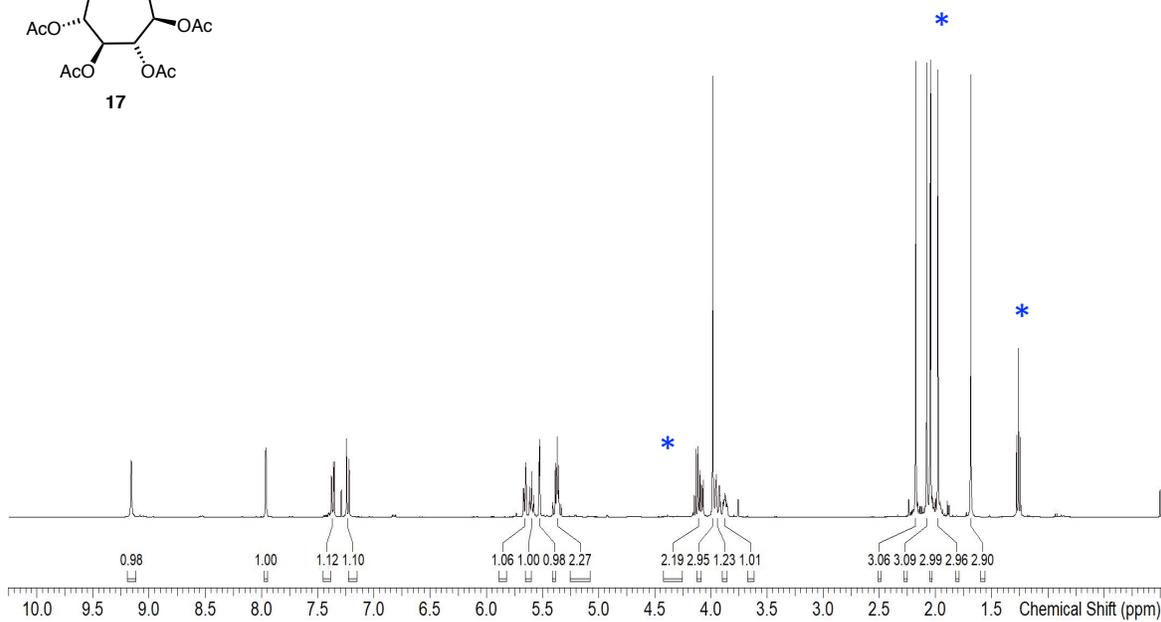
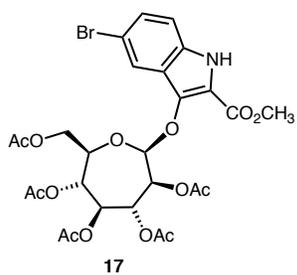


13

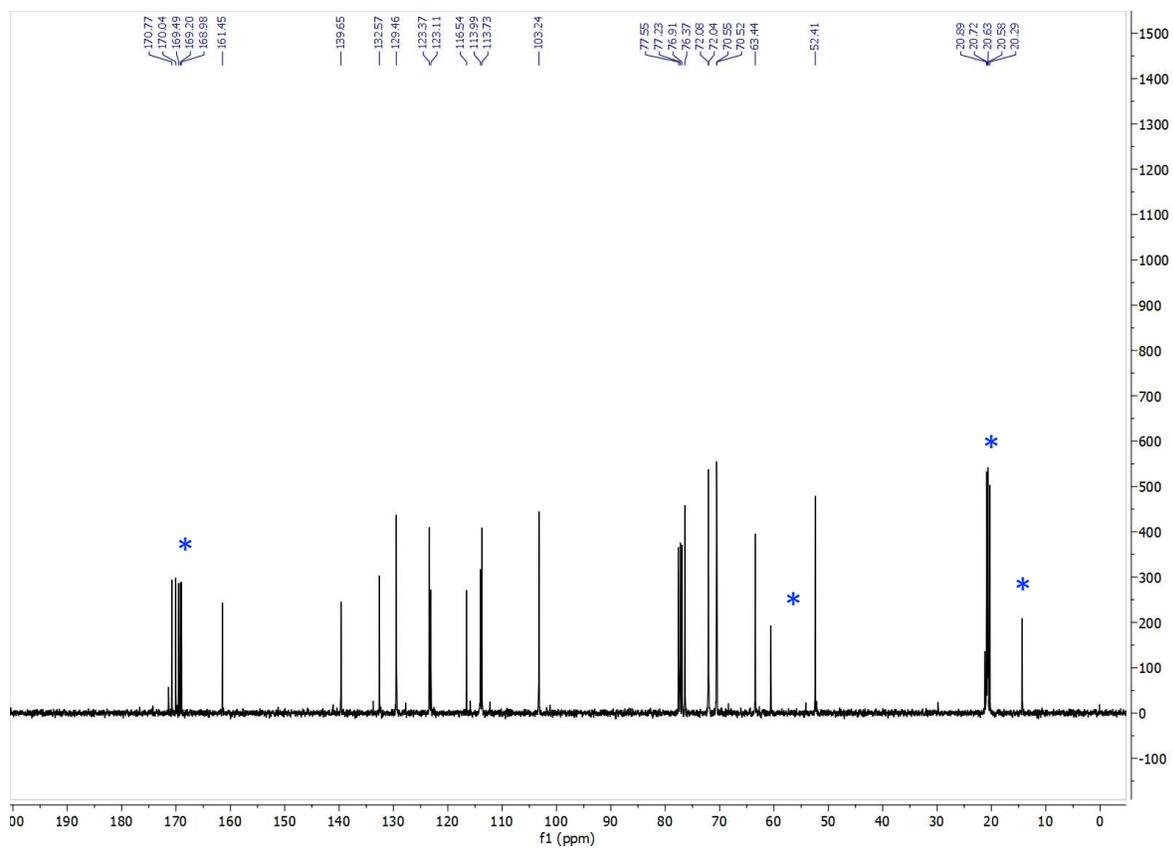


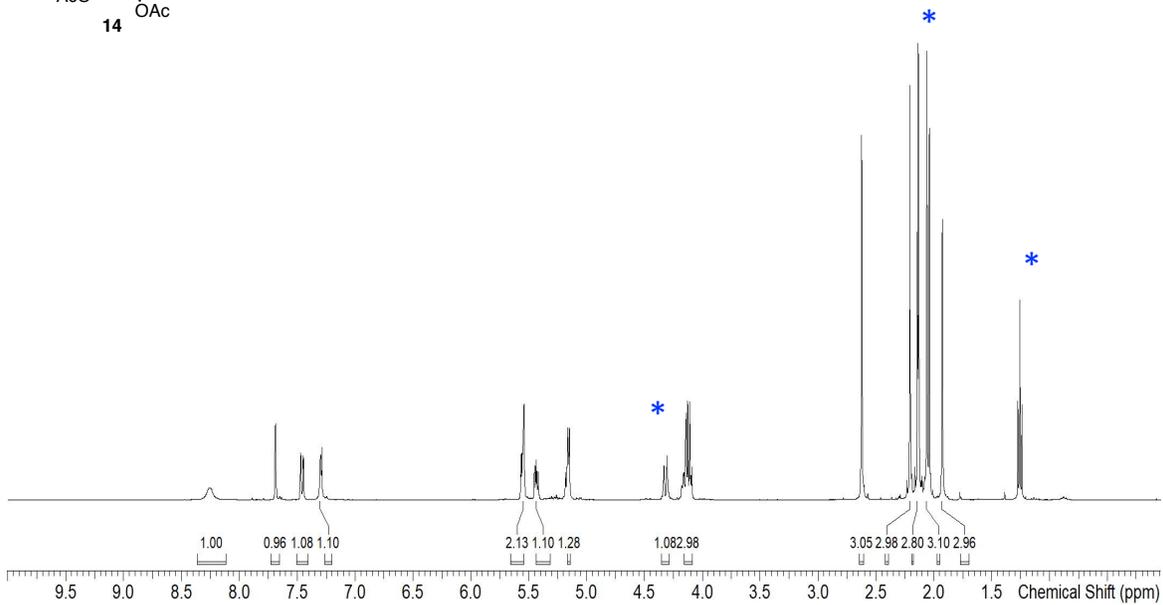
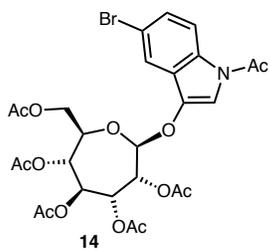
\* indicates signals from residual ethyl acetate (EtOAc) in sample



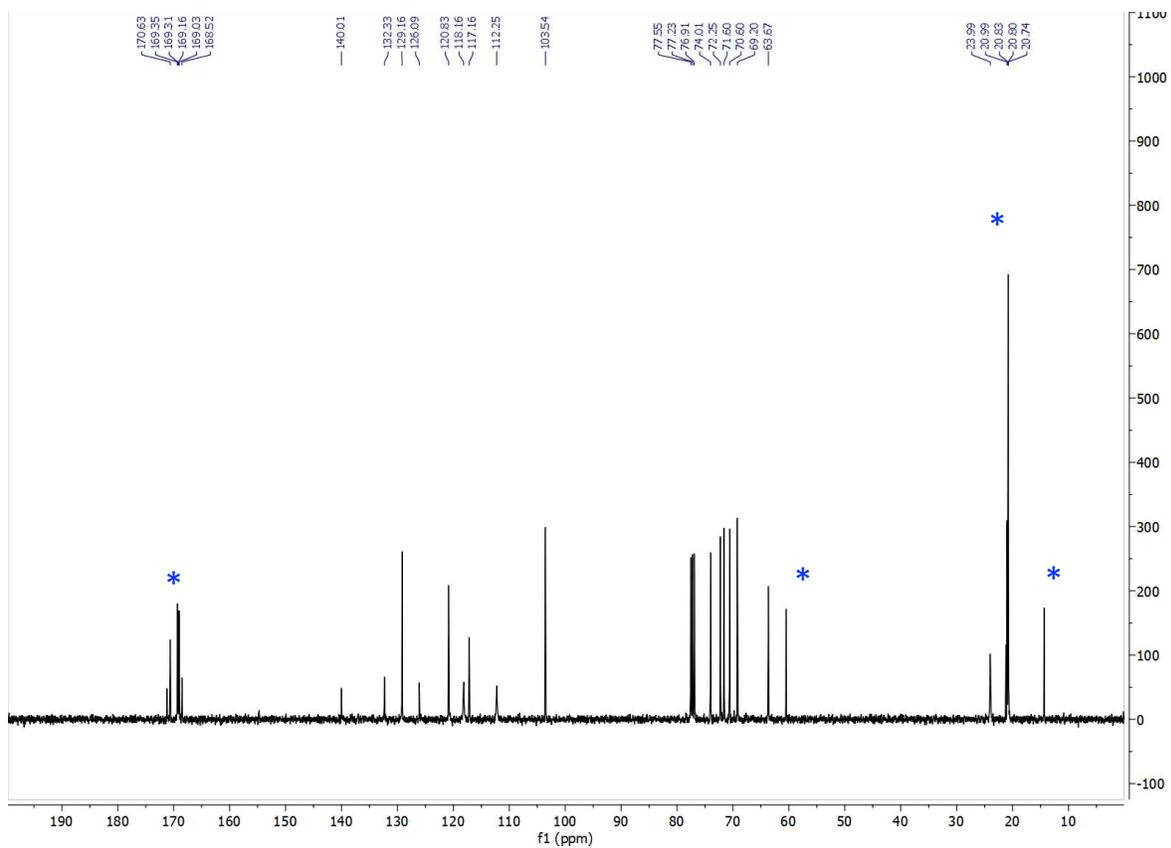


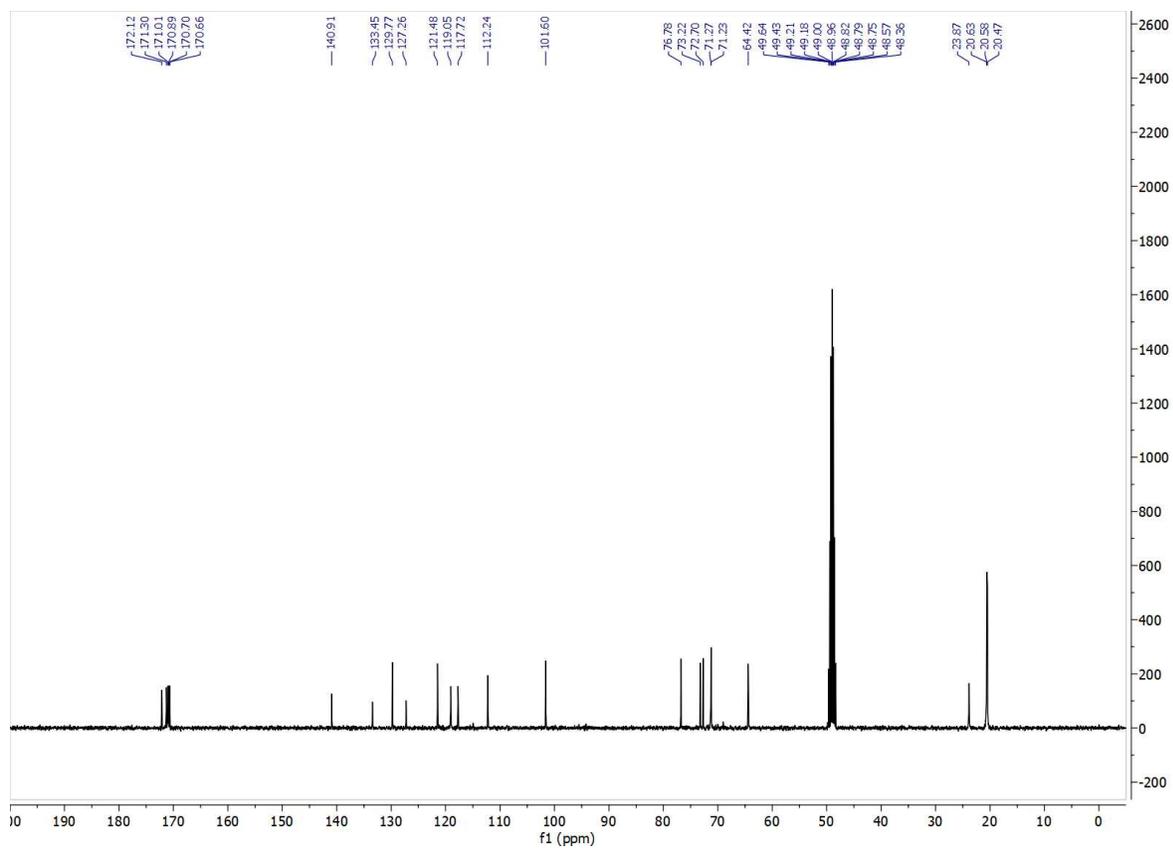
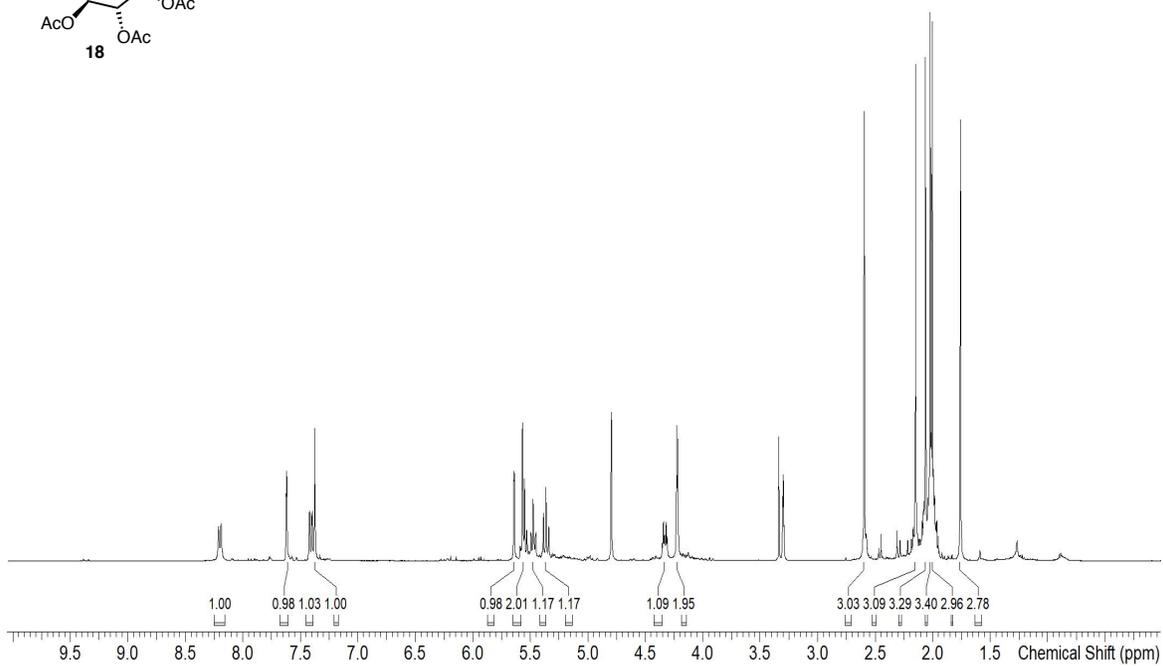
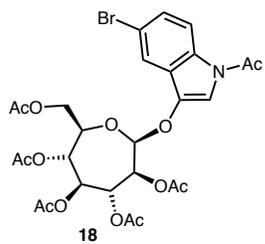
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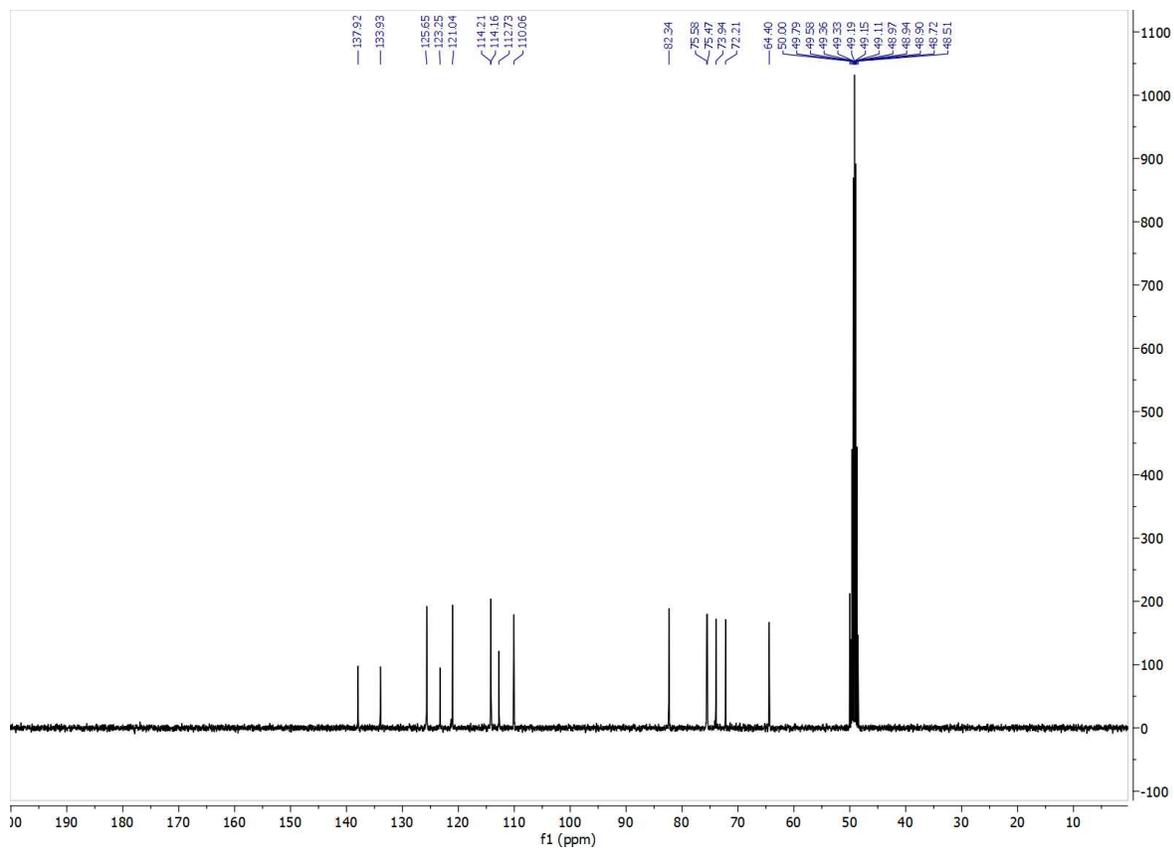
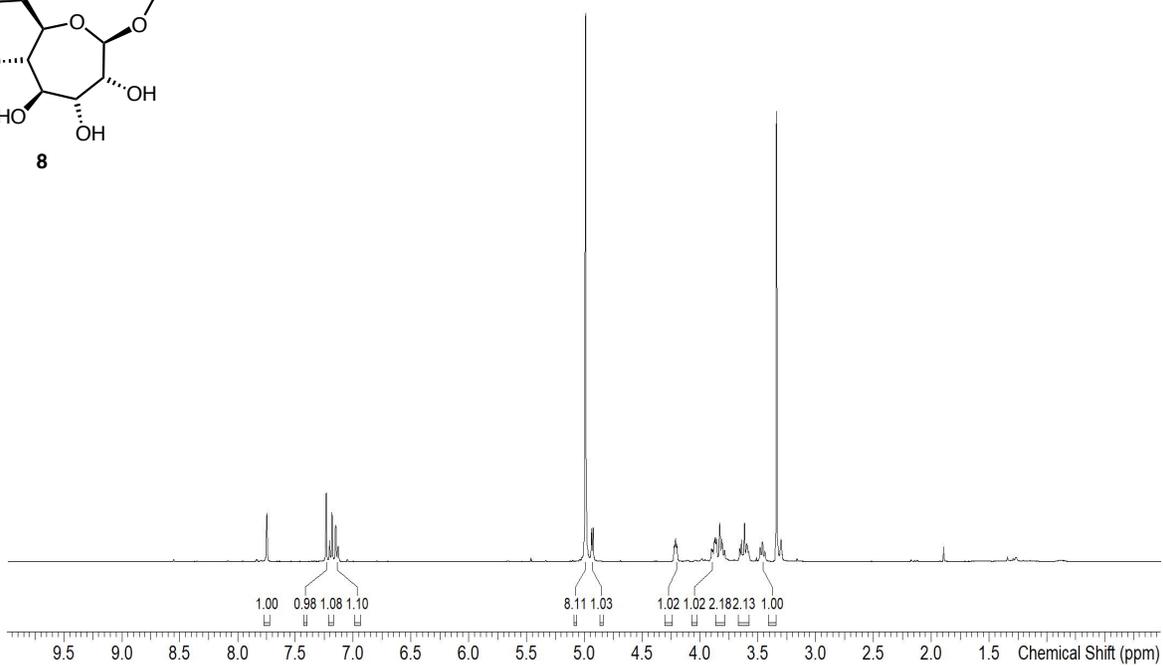
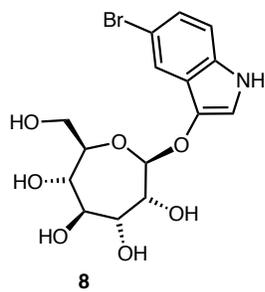


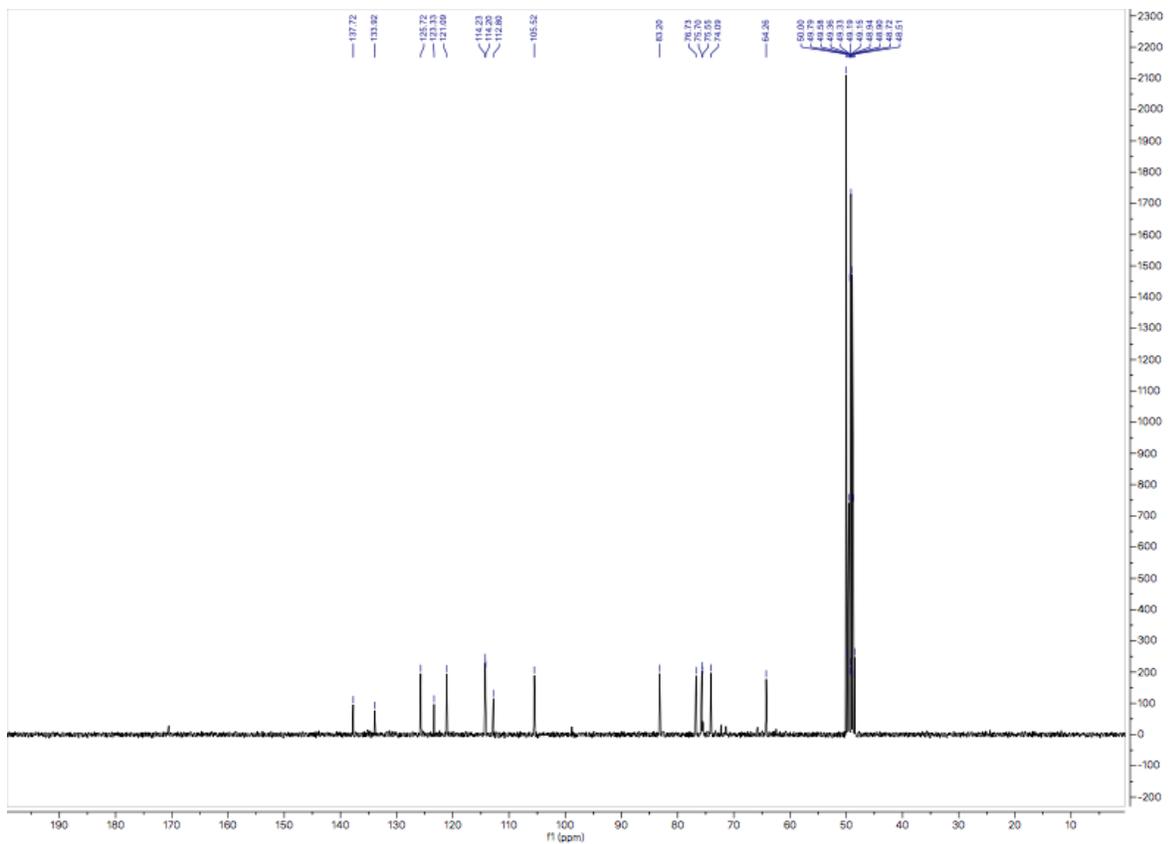
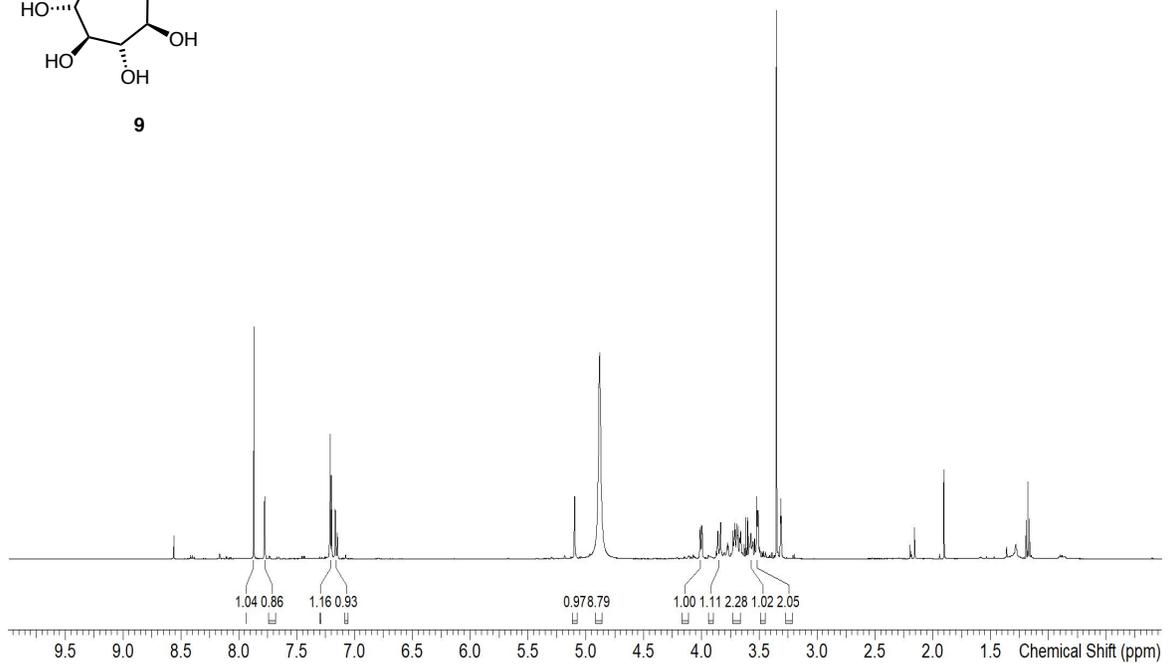
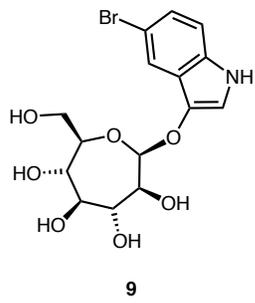


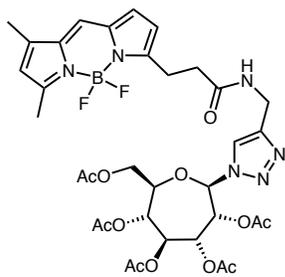
\* indicates signals from residual ethyl acetate (EtOAc) in sample











22

