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#### **Supplementary Information**

#### Expedient Synthesis of $\alpha$ -S-(1 $\rightarrow$ 6)-Linked Pentaglucosyl Thiol

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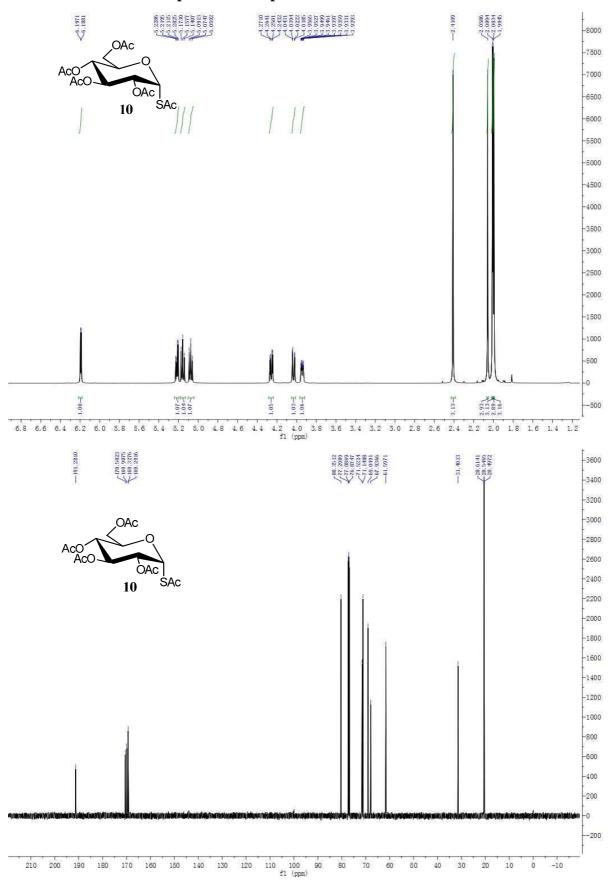
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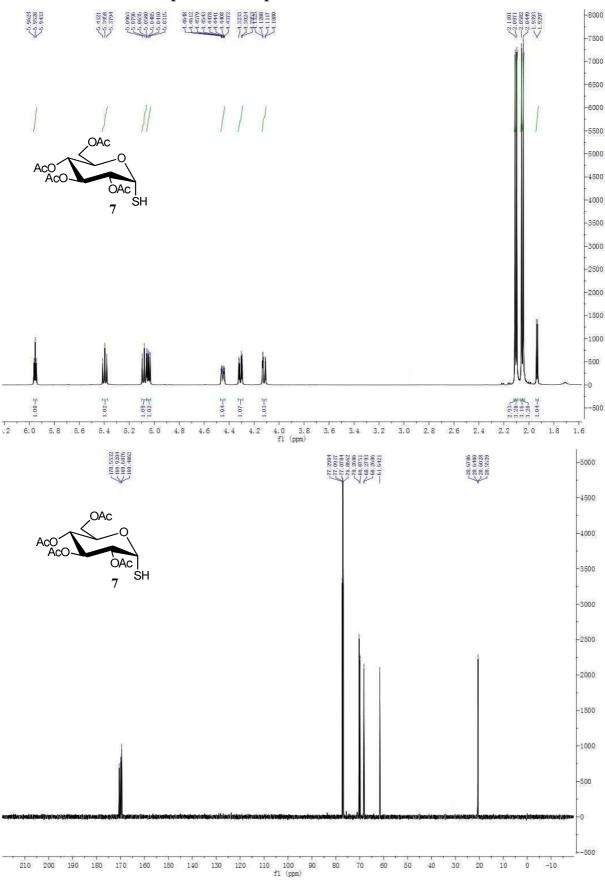
<b>S</b> 2
<b>S</b> 3
<b>S</b> 4
S5
<b>S</b> 6
<b>S</b> 7
S8
<b>S</b> 9
<b>S</b> 10
S11
S12
S13
\$14
S15
S16

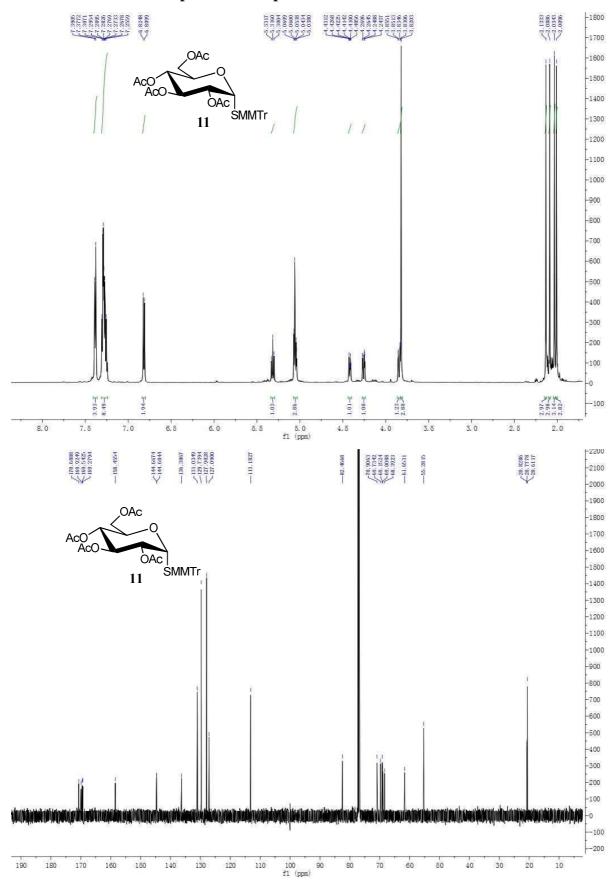
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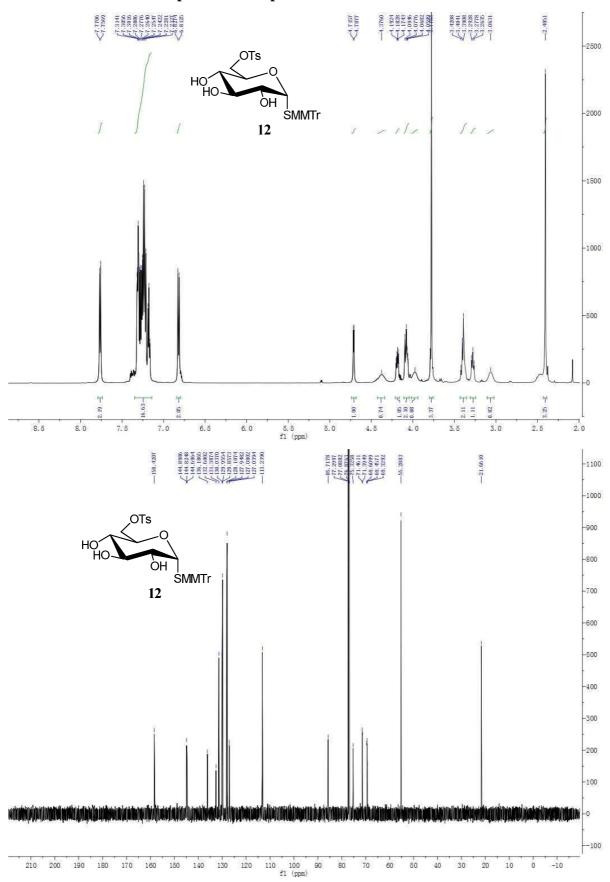
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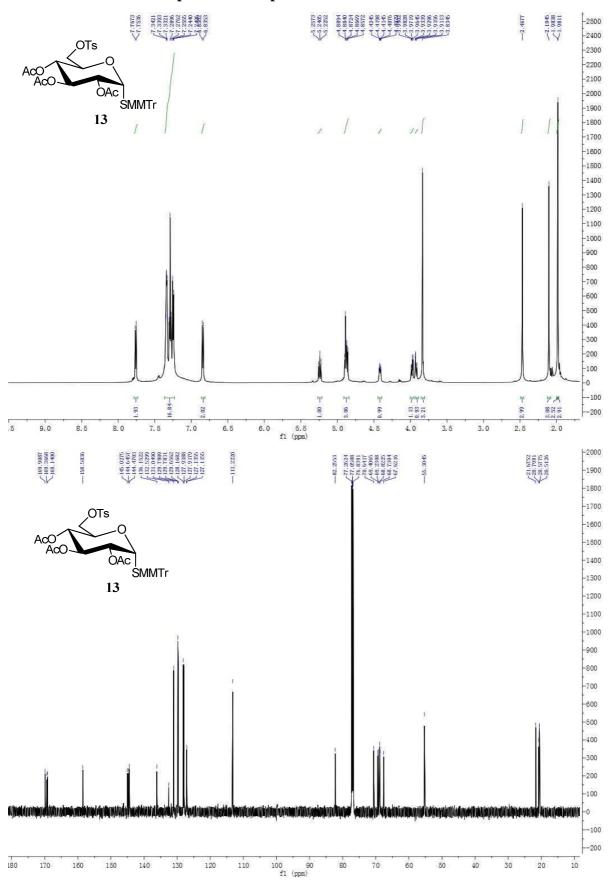




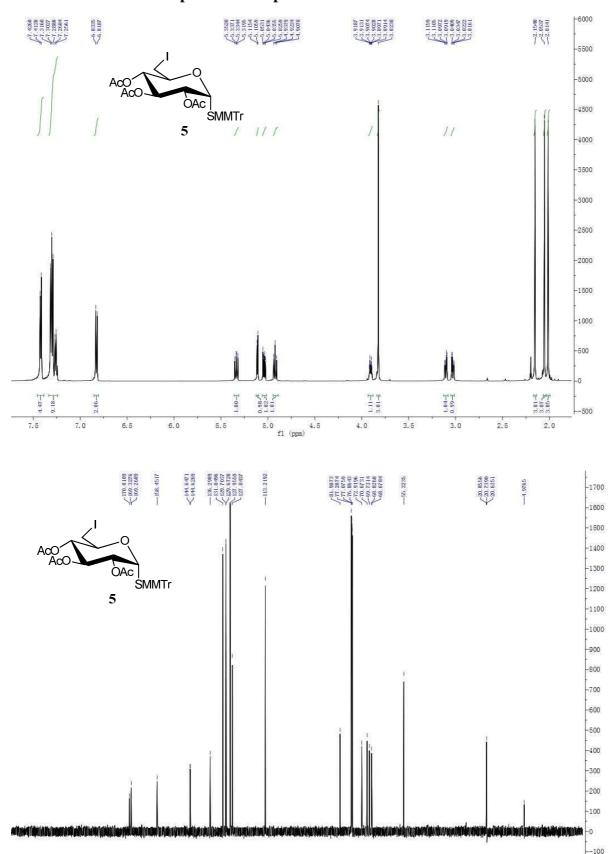




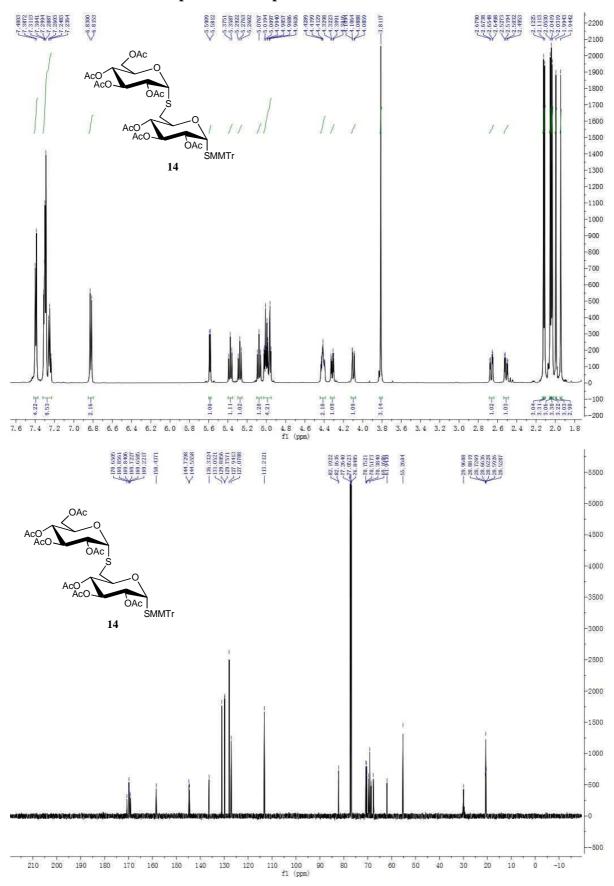


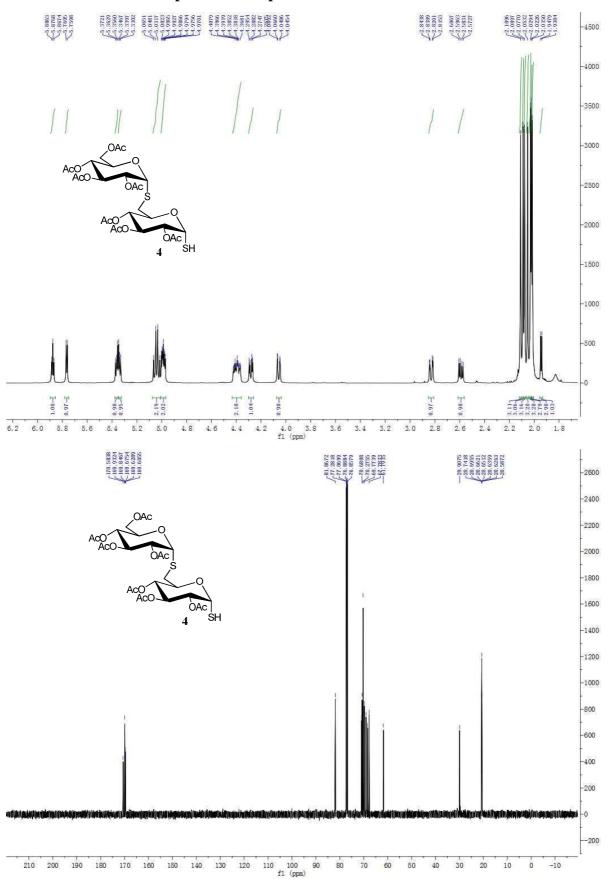


# $^{1}\mathrm{H}$ NMR and $^{13}\mathrm{C}$ NMR spectra of compound 5

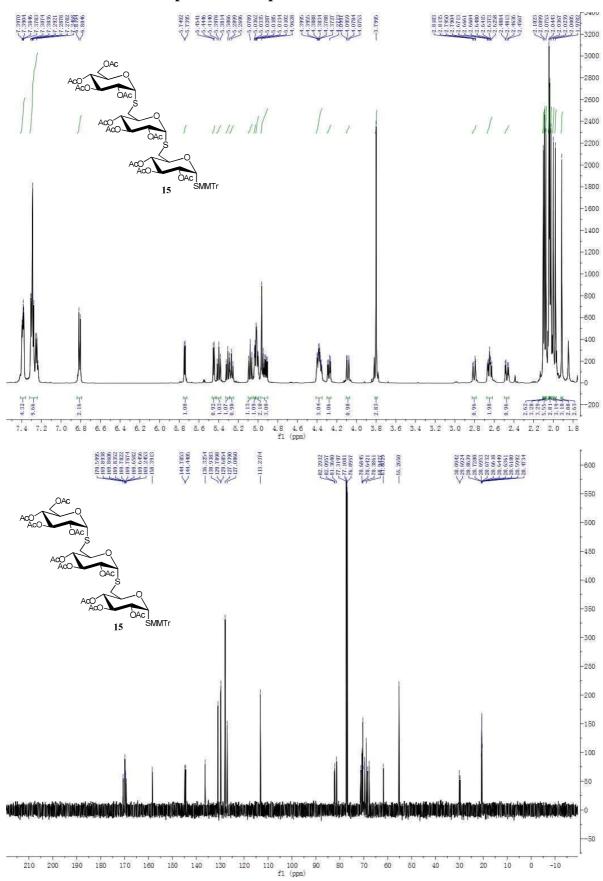


150 140 130 120 110 100 f1 (ppm)

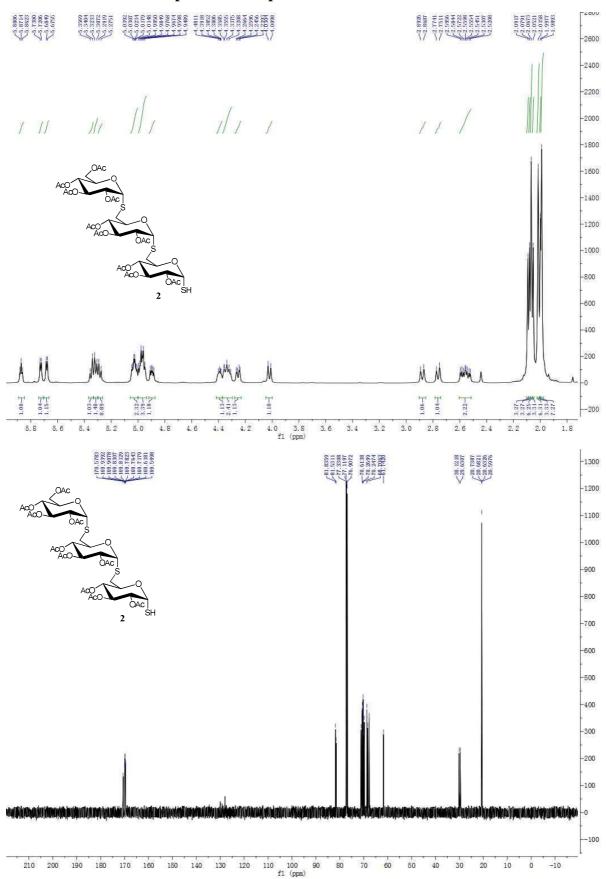




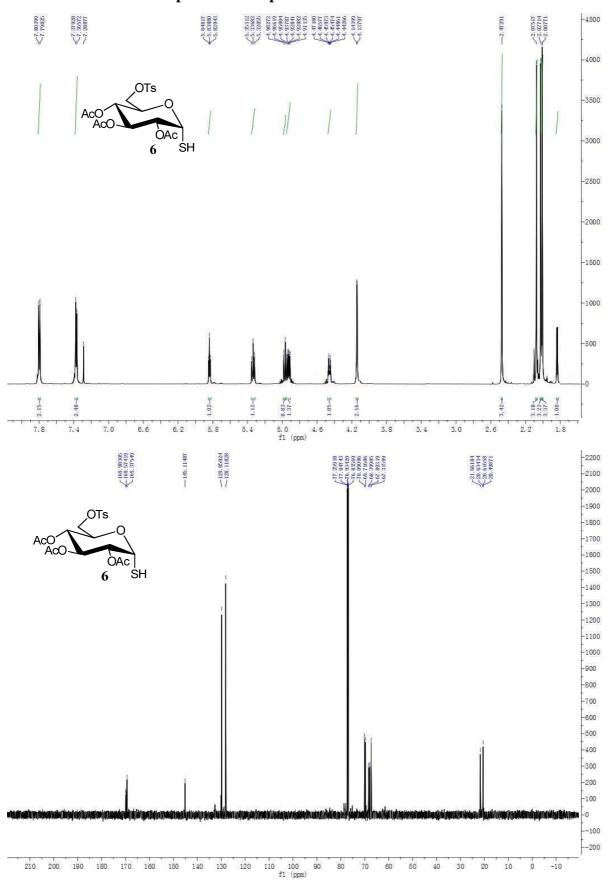
# $^{1}\mathrm{H}$ NMR and $^{13}\mathrm{C}$ NMR spectra of compound 15



# $^1\mbox{H NMR}$ and $^{13}\mbox{C NMR}$ spectra of compound 2



### <sup>1</sup>H NMR and <sup>13</sup>C NMR spectra of compound 6



# $^{1}\mathrm{H}$ NMR and $^{13}\mathrm{C}$ NMR spectra of compound 16

