SYNTHESIS OF *C*-GLYCOSIDE CLUSTERS *VIA* 1,3-DIPOLAR CYCLOADDITIONS

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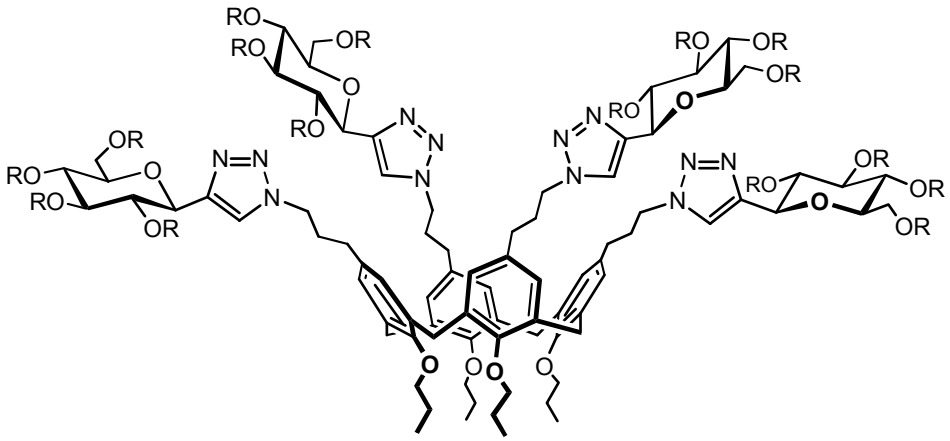
Several research groups have reported in recent years the synthesis of glycoside clusters wherein the sugar moieties are linked to the scaffold through an *O*- or *N*-glycosidic linkage. Since these glycoconjugates are susceptible to chemical and enzymatic degradation we were stimulated to prepare densely *C*-glycosylated systems via 1,3-dipolar cycloadditions using *C*-glycosyl acetylenes or *C*-glycosylmethyl azides as building blocks. Among the various *C*-glycoside clusters obtained, the calixarene derivative **1** and the pentaerythritol derivative **2** featured four sugar units linked to the corresponding scaffold through a triazole and a tetrazole tether, respectively.



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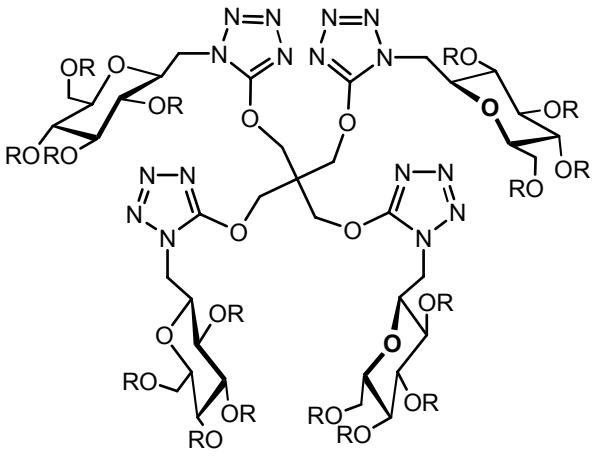

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