



## Synthesis of novel triazolyl-linked glycohybrids via click chemistry

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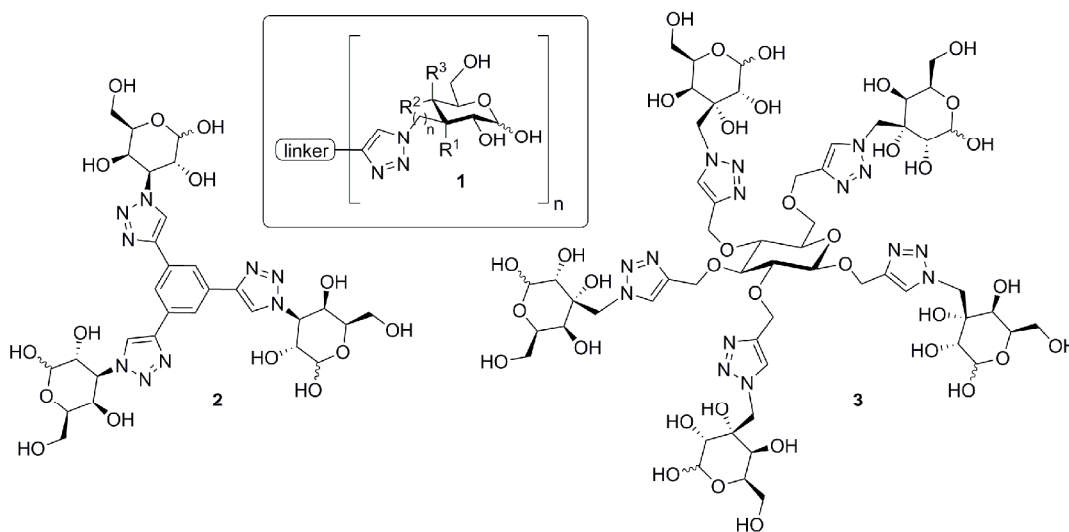
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Carbohydrate-1,2,3-triazole-conjugates exhibit a broad spectrum of biological properties. These include inhibitory effects on the proliferation of leukemia cells<sup>1</sup> and glycosidases<sup>2</sup> to name but a few.

However, the number of reported synthesis and applications for carbohydrate derivatives with triazole motifs at C(3) is relatively small if compared with described modifications at C(1) or C(5)/C(6) for pentoses and hexoses, respectively.<sup>3</sup> We have explored the synthesis of various triazole-containing glycoconjugates with *gluco-*, *allo-*, *galacto-* and *gulo-*configurations. The obtained products are depicted with general formula **1**. These products, e.g. **2** and **3**, have been tested for their glycosidases and galectin inhibiting activities. The developed user-friendly synthetic procedures biological activities of the title compounds will be discussed.



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