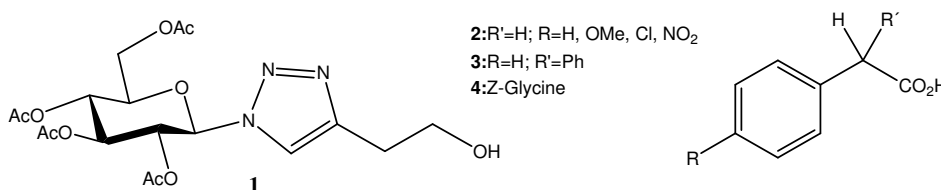


Synthesis of esters derived from [4-(2-hydroxyethyl)-[1,2,3]triazol-1-yl]-2,3,4,6-tetra-*O*-acetyl- β -D-glucopyranose

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Carbohydrates, namely those containing a *N*-heterocycle, and glycoconjugates are involved in many normal and pathologic biological processes including cellular recognition, tumour metastasis, bacterial and viral infections.¹ Due to their amphiphilic, emulsifying and bioactive properties carbohydrate fatty acid esters have become particularly important for pharmaceutical applications^{2a}, food and as biodegradable detergents^{2b}. One approach to synthesise sugar esters involves sugar derivatives soluble in organic media, namely the esterification of methyl glucosides.³ Copper(I) 1,3-dipolar azide-alkyne cycloaddition (*click reaction*) proved to be an useful synthetic process for 1,4-disubstituted 1,2,3-triazole-based glycoconjugates.⁴ In this communication we report the synthesis of six novel esters from the alcohol **1** (prepared under click chemistry conditions) with *Z*-glycine and aryl-acetic acids by a peptide chemistry type method, using DCC and DMAP. The synthetic strategy is shown in the scheme below. Details on the synthesis and characterization of the final compounds will be presented.



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