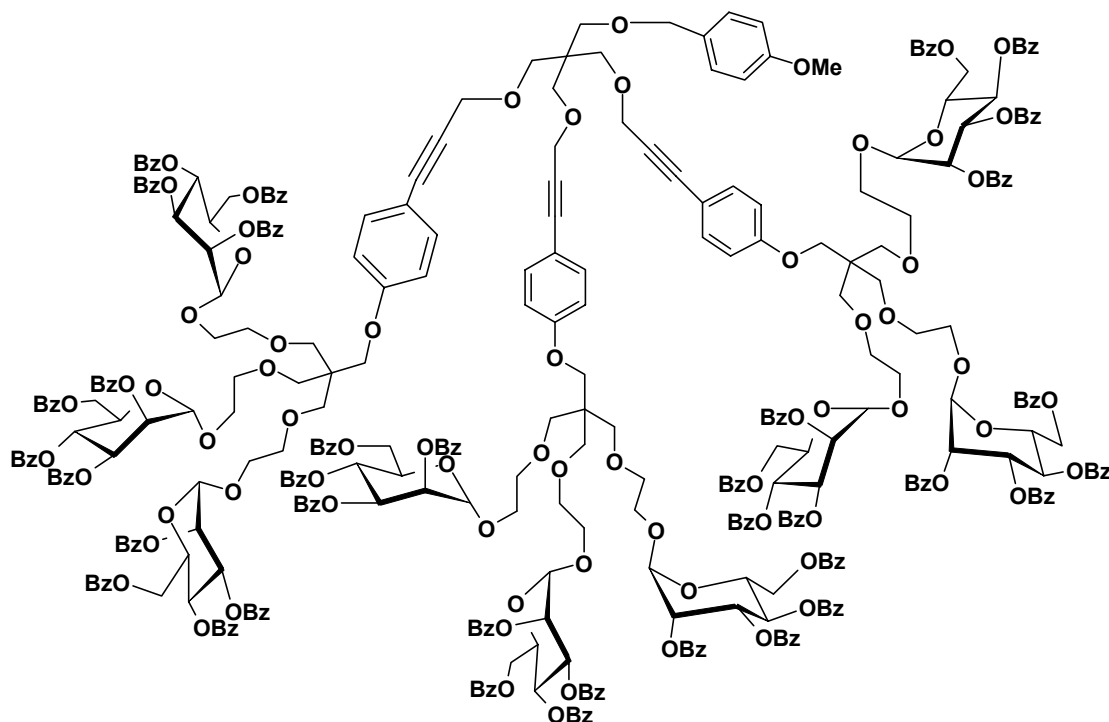


## SYNTHESIS OF NOVEL GLYCODENDRIMERS BASED ON PENTAERYTHRITOL

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New efficient routes have been developed to prepare glycodendrimers and dendritic wedges from pentaerythritol. Key intermediates are tri-*O*-allyl-*O*-*p*-iodophenylpentaerythritol (**1**) and the mono-*p*-methoxybenzyl ether of pentaerythritol (**2**), prepared efficiently by a new method. Reaction of compound **1** with ozone followed with sodium borohydride yields a triol (**3**) that reacts with glycosyl trichloroacetimidates to give a dendritic wedge. Sonashigara coupling with the tripropargyl ether of **2** under newly developed conditions gave a nine mer, shown below. Progress towards synthesis of 27 mers and 81 mers and other dendrimers will be described.



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