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ming ability of native and 2their open-ring analogues tain the modified maltooligomer etylation<sup>4</sup> and debenzylation.<sup>5</sup> odified cyclodextrins and the utral (methyl), negatively and ry ammonium) moieties – were ability.

the cyclodextrin-acyclodextrin photon correlation spectroscopy ectric field in the presence of a inished aggregation of the guest

ogs show similar complexation vior was observed depending on guests. This was explained by

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804–807. 4256–4260. **0**, *345*, 2550–2556. SYNTHESIS OF CARBON-SULFUR-BRIDGED GLYCOMIMETICS BY THIOL-ENE COUPLING REACTIONS

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Over the last few years, photoinduced free-radical addition of thiols to alkenes, termed thiol—ene coupling or thiol—ene click reaction, has emerged in the field of carbohydrate chemistry as a robust ligation tool providing an easy access to S-linked glycoconjugates. Interestingly, there are very few examples for the application of unsaturated carbohydrates bearing an exo- or endocyclic double bond within the thiol—ene coupling strategy. Thus, the inherent potential of this mild and efficient synthetic methodology to incorporate a sugar unit into another bioactive compound through a carbon-sulfur linker has remained unexploited until now.

Here, we demonstrate the benefits of free-radical hydrothiolation of alkenyl sugars bearing an exocyclic double bond providing stable carbon-sulfur-bridged glycomimetics.

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