



Reactivity of glycopyranosyl trichloroacetimidates with air-oxidised samarium diiodide in tetrahydrofuran

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Abstract: Glycopyranosyl trichloroacetimidates react with $\text{SmI}_2/\text{O}_2/\text{THF}$ to give 4-iodo-*n*-butyl 1,2-*trans*-glycopyranosides. Good to high yields can be obtained from 2 α -*O*-acylated trichloroacetimidates. With *manno* or 'armed' substrates competitive formation of α -glycopyranosyl iodides occurs.

