

Synthesis of *C*-Glycosides from *S*-Glycosyl Phosphorothioates

W. Kudelska

Institute of Chemistry, Faculty of Pharmacy, Medical University of Łódź, 90–151 Łódź,
Muszyńskiego 1, Poland

Reprint requests to Dr. W. Kudelska.

Fax: 48-42-678-83-98. E-mail: kudelska@ich.pharm.am.lodz.pl

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Treatment of *O*-benzyl protected *S*-glucosyl phosphorothioates with 1,3,5-trimethoxybenzene in the presence of iodine or boron trifluoride etherate led to appropriate aryl *C*- β -D-glucosides. The reaction of *O*-benzyl and *O*-acetyl-protected phosphorothioates of monosaccharides with allyltrimethylsilane, using boron trifluoride etherate as activator, gave mainly or exclusively, the corresponding 3-(α -D-glycopyranosyl)-1-propenes. *C*-Glucosidation of furan with *O*-benzyl protected *S*-glucosyl phosphorothioate in the presence of boron trifluoride etherate afforded (2-furyl)- α -*C*-glucoside.