

# Synthesis

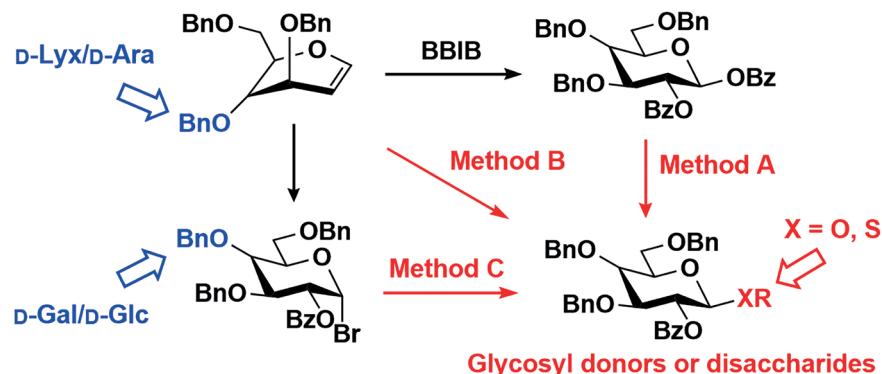
Reviews and Full Papers in Chemical Synthesis

April 2, 2024 • Vol. 56, 1043–1206

## Special Topic (Part II)

*Emerging Trends in Glycoscience*

Guest Editor: Vinod K. Tiwari



*Expedient Synthesis of Superarmed Glycosyl Donors via Oxidative Thioglycosidation of Glycals*

N. P. Forsythe, E. R. Mize, G. A. Kashiwagi, A. V. Demchenko

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**Synthesis**

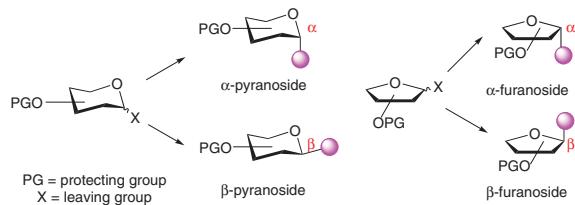
*Synthesis* 2024, 56, 1043–1069  
DOI: 10.1055/s-0042-1751544

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**Stereochemical Aspects of the C-Glycosylation of Pyranosides and Furanosides**

**Review**  
**1043**



**Synthesis**

*Synthesis* 2024, 56, 1070–1096  
DOI: 10.1055/a-2223-1303

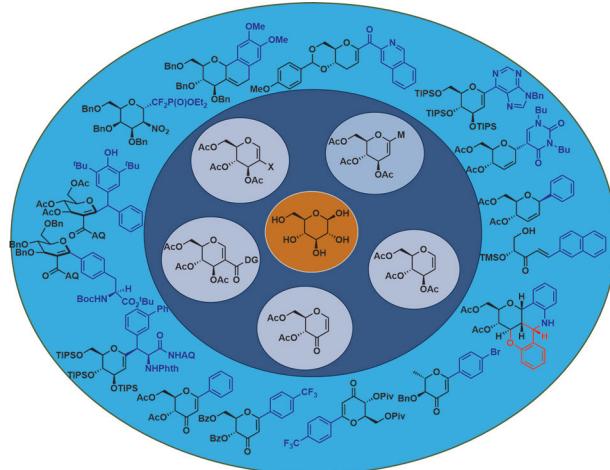
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**Recent Advances on the Synthesis of C-Glycosides from 1,2-Glycals**

**Short Review**

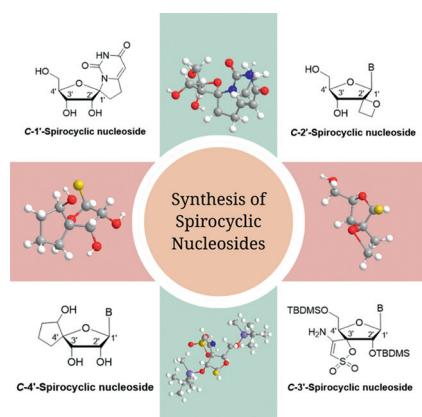
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Synthesis 2024, 56, 1097–1138  
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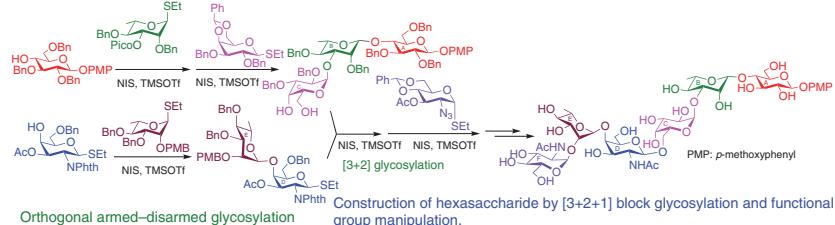
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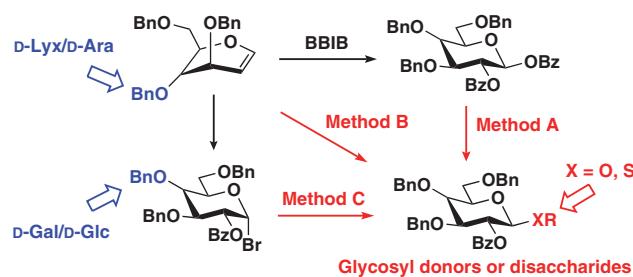
Synthesis 2024, 56, 1139–1146  
DOI: 10.1055/s-0040-1720095

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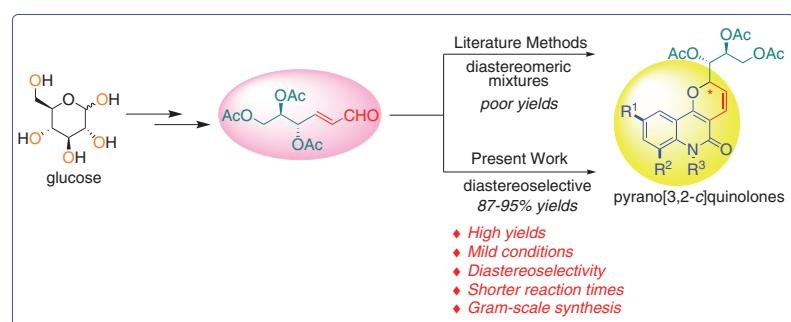


Synthesis 2024, 56, 1147–1156  
DOI: 10.1055/a-2183-0175

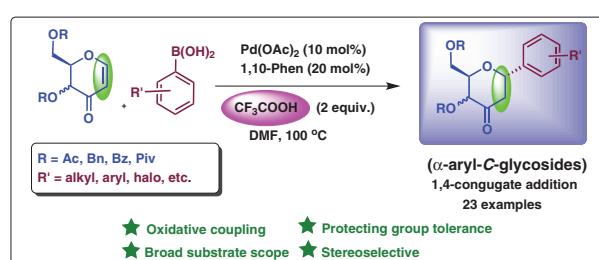
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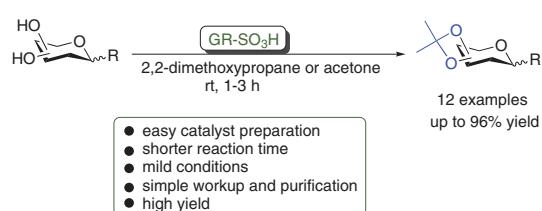
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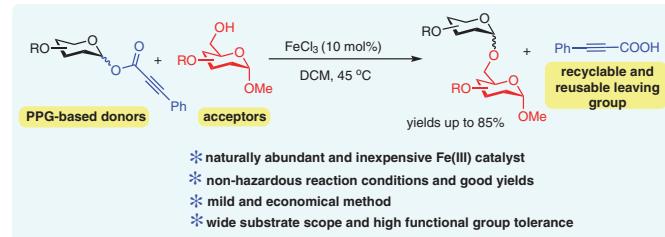
Synthesis 2024, 56, 1183–1199  
DOI: 10.1055/a-2193-4615

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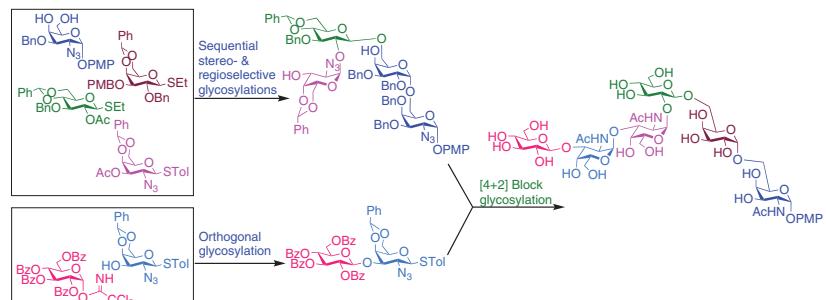


Synthesis 2024, 56, 1200–1206  
DOI: 10.1055/s-0042-1751517

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- Use of thioglycosides and trichloroacetimidate derivative as glycosyl donors.
- A combination of NIS and TFOH used as glycosylation promoter.
- Stereoselective [4+2] block glycosylation and functionalization for the construction of hexasaccharide.