DESCRIPTION

A unique overview of the most important protecting group strategies in carbohydrate chemistry

Protecting Groups: Strategies and Applications in Carbohydrate Chemistry provides a detailed account of key strategies and methodologies for the protection of carbohydrates. Divided into two parts, the first focuses on groups that are used best to protect a specific position on a carbohydrate. In the second part, specific carbohydrate residues or compounds are discussed in the context of a specific protecting group strategy used to reach the desired regioisomer. This important book:

- Features chapters on protecting groups at the primary and secondary positions of carbohydrates
- Describes protecting group strategies towards sialic acid derivatives, glycofuranoses, sulfated glycosaminoglycans, and cyclodextrins
- Provides information on automated glycan assembly
- Includes a chapter on the industrial scale synthesis of heparin analogs

Written by a team of leaders in the field, Protecting Groups: Strategies and Applications in Carbohydrate Chemistry is an indispensable guide for academics and industrial researchers interested in carbohydrate and natural product synthesis, pharmaceutical chemistry, and biochemistry.
ABOUT THE AUTHOR

Sébastien Vidal, PhD, holds a CNRS position at the University of Lyon, France. His main area of research is the design of glycoclusters for anti-adhesive strategy against bacterial infections and enzyme inhibitors targeting glycogen phosphorylase with applications in type-2 diabetes. In 2014, he was given the young investigator award "Prix du Groupe Français des Glycosciences".

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