

1. Record Nr.	UNINA9910146238303321
Titolo	Carbohydrate-based drug discovery [[electronic resource] /] / Chi-Huey Wong (ed.)
Pubbl/distr/stampa	Weinheim ; ; [New York], : Wiley-VCH, c2003
ISBN	1-280-52072-8 9786610520725 3-527-60578-9 3-527-60243-7
Descrizione fisica	1 online resource (981 p.)
Altri autori (Persone)	WongChi-Huey
Disciplina	615.3 615.7
Soggetti	Carbohydrate drugs Carbohydrates - Synthesis Glycoconjugates - Physiological effect
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Carbohydrate-based Drug Discovery; Contents; Preface; List of Contributors; Volume 1; 1 Synthetic Methodologies; 1.1 Introduction; 1.2 Tactical Analysis for Overall Synthetic Efficiency; 1.3 Methodological Improvements; 1.3.1 Chemistry; 1.3.2 Protecting Group Manipulations; 1.3.3 Modulation of the Reactivity of Glycosyl Donors; 1.3.4 Block Synthesis; 1.4 Accessibility; 1.4.1 Solution-based Chemistry; 1.4.2 One-Pot Glycosylation; 1.4.3 Solid-Phase Chemistry; 1.4.3.1 Fundamentals of Solid-Phase Oligosaccharide Synthesis; 1.4.3.2 The Support; 1.4.3.3 Linkers to the Support; 1.4.3.4 Protecting Groups used in Solid-Phase Oligosaccharide Synthesis; 1.4.3.5 Solid-Phase Oligosaccharide Synthesis; 1.4.3.6 Monitoring of Reaction Progress; 1.4.4 Automation; 1.5 Concluding Remarks; 1.6 References; 2 Complex Carbohydrate Synthesis; 2.1 Introduction; 2.2 Synthetic Gangliosides; 2.2.1 Gangliosides GM4 and GM3, and their Analogues and Derivatives; 2.2.2 Sialylparagloboside (SPG) Analogues and Derivatives; 2.2.3 Selectin Ligands; 2.2.3.1 Sialyl Lewis x; 2.2.3.2 Novel 6-Sulfo sLe(x) Variants; 2.2.4 Siglec Ligands;

2.2.4.1 Chol-1 (-Series) Gangliosides

2.2.4.2 Novel Sulfated Gangliosides
2.3 Toxin Receptor; 2.4 Summary and Perspectives; 2.5 References; 3 The Chemistry of Sialic Acid; 3.1 Introduction; 3.2 Chemical and Enzymatic Synthesis of Sialic Acids; 3.3 Chemical Glycosidation of Sialic Acids; 3.3.1 Direct Chemical Sialylations; 3.3.1.1 2-Chloro Derivatives as Glycosyl Donors; 3.3.1.2 2-Thio Derivatives as Glycosyl Donors; 3.3.1.3 2-Xanthates as Glycosyl Donors; 3.3.1.3 2-Phosphites as Glycosyl Donors; 3.3.1.4 Miscellaneous Direct Chemical Methods; 3.3.2 Indirect Chemical Methods with the Use of a Participating Auxiliary at C-3
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4.6.5 Glycosyl Fluorides

Sommario/riassunto

To exploit the full potential of this diverse compound class for the development of novel active substances, this handbook presents the latest knowledge on carbohydrate chemistry and biochemistry. While it is unique in covering the entire field, particular emphasis is placed on carbohydrates with pharmaceutical potential. Topics include the following: > Chemical Synthesis of Carbohydrates > Carbohydrate Biosynthesis and Metabolism > Carbohydrate Analysis > Cellular Functions of Carbohydrates > Development of Carbohydrate-based Drugs
A premier resource for carbohydrate chem