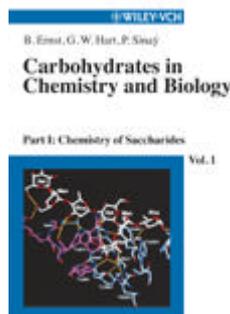


*Book Received**

Carbohydrates in Chemistry and Biology. By Ernst, Beat / Hart, Gerald W. / Sinaÿ, Pierre (eds.). Wiley-VCH, Weinheim. 2000. 2340 pages. Hardcover. 1598.- DM / 817.04 EUR / 1422.- SFR. ISBN 3-527-29511-9

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Carbohydrate Chemistry and Glycobiology have witnessed a rapid expansion during the last few years with the development of numerous new, imaginative and efficient syntheses which provide further insight into structures and biological interactions of glycoconjugates. Glycosylation reactions are widely used in the synthesis of pharmaceuticals and bio-active compounds. In biology and medicine oligosaccharides play a central role in immuno-stimulation, cancer or allergic responses. Glycoscience is a very instructive example of how one common topic of interest stimulates both chemistry and biology to collectively open scientific frontiers.

This synergy is made visible in this work. Three leading experts in the fields of Glycochemistry and Glycobiology have invited numerous renowned authors to provide a comprehensive overview of the recent advances and findings in Glycoscience. This four-volume handbook presents an integrated and cutting-edge view, and covers all chemical aspects, such as syntheses and analysis of carbohydrates and oligosaccharides, as well as the biological role and activity of oligosaccharides and carbohydrate/protein interactions.

Part I Chemistry of Saccharides

Vol I Chemical Synthesis of Glycosides and Glycomimetics

-Chemical Synthesis of Glycosides

-Synthesis of Oligosaccharide Mimics

Volume II Enzymatic Synthesis of Glycosides and

Carbohydrate-Receptor Interactions

- Enzymatic Methods for Glycosylations
- Carbohydrate-Protein Interactions
- Carbohydrate-Nucleic Acid Interactions
- Carbohydrate-Carbohydrate Interactions
- Part II Biology of Saccharides
- Vol III Biosynthesis and Degradation of Glycoconjugates
- Biosynthesis of Glycoconjugates
- Degradation of Glycoconjugates
- Vol IV Lectins and Saccharide Biology
- Lectins
- Saccharide Biology

**Editor's Note:* The brief summary and the contents of the books are reported as provided by the author or the publishers. Authors and publishers are encouraged to send review copies of their recent books of potential interest to readers of *Molecules* to the Editor-in-Chief (Dr. Shu-Kun Lin, MDPI, Saengergasse 25, CH-4054 Basel, Switzerland. Tel. +41 79 322 3379, Fax +41 61 302 8918, E-mail: molinfo@mdpi.org). Some books will be offered to the scholarly community for the purpose of preparing full-length reviews.

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