1. Record Nr. UNIPARTHENOPE000021762

Titolo	Visual learning, thinking and communication / edited by Bikkar S. Randhawa, William E. Coffman
Pubbl/distr/stampa	New York : Academic Press, 1978
Titolo uniforme	Visual learning, thinking and communication
ISBN	0125794509
Descrizione fisica	xiv, 227 p., 2 p. di tav. : ill. ; 24 cm
Collana	Academic press series in cognition and perception
Disciplina	153
Collocazione	S 153/15
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910777081403321

Titolo	A review of the recent literature published during 1999 [[electronic resource]] : Monosaccharides, disaccharides, and specific oligosaccharides / / senior reporter, R.J. Ferrier; reporters, R. Blattner ... [et al.]
Pubbl/distr/stampa	London, : Royal Society of Chemistry, c2002
ISBN	1-84755-311-7
Descrizione fisica	1 online resource (432 p.)
Collana	A Specialist periodical report Carbohydrate chemistry. ; ; v.33
Altri autori (Persone)	BlattnerR FerrierRobert J
Disciplina	547.78
Soggetti	Carbohydrates Disaccharides Monosaccharides Oligosaccharides
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa

Livello bibliografico	Monografia
Note generali	Includes references and index.
Nota di contenuto	CONTENTS; Chapter 1 Introduction and General Aspects; References; Chapter 2 Free Sugars; 1 Theoretical Aspects; 2 Synthesis; 3 Natural Products; 4 Other Aspects; References; Chapter 3 Glycosides and Disaccharides; 1 O-Glycosides; 2 S-, Se- and Te-Glycosides; 3 C-Glycosides; References; Chapter 4 Oligosaccharides; 1 General; 2 Trisaccharides; 3 Tetrasaccharides; 4 Pentasaccharides; 5 Hexasaccharides; 6 Heptasaccharides; 7 Octasaccharides; 8 Higher Saccharides; 9 Cyclodextrins; References; Chapter 5 Ethers and Anhydro-sugars; 1 Ethers; 2 Intramolecular Ethers (Anhydro-sugars); References Chapter 6 Acetals1 Isopropylidene, Benzylidene and Methylidene Acetals; 2 Other Acetals; References; Chapter 7 Esters; 1 Carboxylic Esters; 2 Phosphates and Related Esters; 3 Sulfates and Related Esters; 4 Other Esters; References; Chapter 8 Halogeno-sugars; 1 Fluoro-sugars; 2 Chloro-, Bromo- and Iodo-sugars; References; Chapter 9 Amino-sugars; 1 Natural Products; 2 Syntheses; 3 Reactions and Derivatives; 4 Diamino-sugars; References; Chapter 10 Miscellaneous Nitrogen-containing Derivatives; 1 Glycosylamines and Related Glycosyl-N-bonded Compounds; 2 Azido-sugars; 3 Nitro-sugars 4 Oximes, Hydroxylamines, Nitrones and Isonitriles5 Nitriles, Tetrazoles and Related Compounds; 6 Hydrazines, Hydrazones and Related Compounds; 7 Other Heterocycles; References; Chapter 11 Thio-, Seleno- and Telluro-sugars; 1 Thiosugars; 2 Seleno- and Telluro-sugars; References; Chapter 12 Deoxy-sugars; References; Chapter 13 Unsaturated Derivatives; 1 Pyranoid Derivatives; 2 Furanoid Derivatives; 3 Septanoid Derivatives; 4 Acyclic Derivatives; References; Chapter 14 Branched-chain Sugars; 1 Compounds with a C-C-C Branch-point; 2 Compounds with a C-C-C Branch-point (R = C or H) 3 Compounds with a C-C-C Branch-point4 Compounds with a C-C-C Branch-point; 5 Compounds with a C-C-C or C=C-C Branch-point; References; Chapter 15 Aldosuloses and Other Dicarbonyl Compounds; 1 Aldosuloses; 2 Other Dicarbonyl Compounds; References; Chapter 16 Sugar Acids and Lactones; 1 Aldonic Acids and Lactones; 2 Ulosonic Acids; 3 Uronic Acids; 4 Aldaric Acids; 5 Ascorbic Acids; References; Chapter 17 Inorganic Derivatives; 1 Carbon-bonded Phosphorus Derivatives; 2 Other Carbon-bonded Derivatives; 3 Oxygen-bonded Derivatives; References; Chapter 18 Alditols and Cyclitols 1 Alditols and Derivatives2 Cyclitols and Derivatives; References; Chapter 19 Antibiotics; 1 Aminoglycosides and Aminocyclitols; 2 Macrolide Antibiotics; 3 Anthracyclines and Other Glycosylated Polycyclic Antibiotics; 4 Nucleoside Antibiotics; 5 Other Types of Carbohydrate Antibiotics; References; Chapter 20 Nucleosides; 1 General; 2 Synthesis; 3 Anhydro- and Cyclo-nucleosides; 4 Deoxynucleosides; 5 Halogenonucleosides; 6 Nucleosides with Nitrogen-substituted Sugars; 7 Thio- and Seleno-nucleosides; 8 Nucleosides with Branched-chain Sugars 9 Nucleosides of Unsaturated Sugars, Aldosuloses and UronicAcids
Sommario/riassunto	Carbohydrate Chemistry provides review coverage of all publications relevant to the chemistry of monosaccharides and oligosaccharides in a given year. The amount of research in this field appearing in the organic chemical literature is increasing because of the enhanced importance of the subject, especially in areas of medicinal chemistry and biology. In no part of the field is this more apparent than in the synthesis of oligosaccharides required by scientists working in

glycobiology. Clycomedicinal chemistry and its reliance on carbohydrate synthesis is now very well established, for example,