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Titolo	Chiral separation techniques [[electronic resource]] : a practical approach / / edited by Ganapathy Subramanian
Pubbl/distr/stampa	Weinheim, : Wiley-VCH, c2007
ISBN	1-281-23922-4 3-527-61172-X 3-527-61173-8
Edizione	[3rd ed.]
Descrizione fisica	1 online resource (643 p.)
Altri autori (Persone)	SubramanianG. <1935->
Disciplina	543.84
Soggetti	Liquid chromatography Chirality Electronic books.
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	Chiral Separation Techniques; Contents; Preface; List of Contributors; 1 Method Development and Optimization of Enantioseparations Using Macrocyclic Glycopeptide Chiral Stationary Phases; 1.1 Introduction; 1.2 Structural Characteristics of Macrocyclic Glycopeptide CSPs; 1.2.1 Chiral Recognition Mechanisms; 1.2.2 Multi-modal Chiral Stationary Phases; 1.3 Enantioselectivity as a Function of Molecular Recognition; 1.3.1 Ionizable Molecules; 1.3.1.1 Polar Ionic Mode; 1.3.1.2 Reversed-phase Mode; 1.3.2 Neutral Molecules; 1.4 Complementary Effects; 1.5 Method Development 1.6 Optimization Procedures 1.6.1 Polar Ionic Mode; 1.6.2 Reversed-phase Mode; 1.6.2.1 pH Effects; 1.6.2.2 Organic Modifier Effects; 1.6.3 Polar Organic/Normal-phase Mode; 1.6.4 Flow-rate and Temperature Effects; 1.7 Amino Acid and Peptide Analysis; 1.8 Conclusion; Acknowledgments; References; 2 Role of Polysaccharides in Chiral Separations by Liquid Chromatography and Capillary Electrophoresis; 2.1 Introduction; 2.2 Structures of Polysaccharide Chiral Selectors; 2.2.1 Synthesis of Polysaccharide Chiral Selectors; 2.2.2 Preparation of Polysaccharide Chiral Stationary Phases 2.2.2.1 Preparation of CSPs by Coating 2.2.2.2 Preparation of CSPs by

Immobilization; 2.2.2.3 Coated versus Immobilized CSPs; 2.3 Properties of Polysaccharide CSPs; 2.3.1 Enantioselectivities; 2.3.2 Spectroscopic Studies; 2.4 Applications; 2.4.1 Analytical Separations; 2.4.2 Preparative Separations; 2.5 Optimization of Chiral Separations; 2.5.1 Mobile Phase Compositions; 2.5.2 pH of the Mobile Phase; 2.5.3 Flow-rate; 2.5.4 Temperature; 2.5.5 Structures of Solutes; 2.5.6 Other Parameters; 2.6 Chiral Recognition Mechanisms; 2.7 Chiral Separation by Sub- and Supercritical Fluid Chromatography; 2.8 Chiral Separation by Capillary Electrochromatography; 2.9 Chiral Separation by Thin-layer Chromatography; 2.10 Chiral Separation by Capillary Electrophoresis; 2.11 Conclusion; References; 3 Analytical and Preparative Potential of Immobilized Polysaccharide-derived Chiral Stationary Phases; 3.1 Introduction; 3.1.1 Scientific Developments in Polysaccharide Immobilization with Chiral Recognition Purposes; 3.1.2 State of the Art on Immobilized Polysaccharide-derived CSPs; 3.2 Scope of Immobilized Polysaccharide-derived CSPs; 3.3 Beneficial Characteristics of Immobilized Polysaccharide-derived CSPs; 3.3.1 New Selectivity Profile on Immobilized CSPs; 3.3.2 Universal Miscibility of Non-standard Solvents and their Contribution to the Performance of Analytical Methods; 3.3.3 Various Sample Injection Media; 3.3.4 Inhibition or Minimization of Racemization by Mobile Phase Switch; 3.3.5 Preparative Potential of Immobilized CSPs; 3.3.6 CSP Stability; 3.4 Method Development on Immobilized Polysaccharide-derived CSPs; 3.4.1 Selection of the Mobile Phase; 3.4.1.1 Analytical Method Development; 3.4.1.2 Preparative Method Development

Sommario/riassunto

Thoroughly revised, with either entirely new or completely updated contents, this is a practical manual for the small and large-scale preparation of enantiomerically pure products. The result is a vital resource for meeting the highest purity standards in the manufacture of chiral pharmaceuticals, food additives and related compounds. All the approaches covered here are highly relevant to modern manufacturing and quality control schemes in the pharmaceutical and biotech industries, addressing the increasingly important issue of drug safety in view of tougher regulatory standards worldwide.

2. Record Nr.	UNINA9910975336903321
Titolo	Perspectives on topicalization : the case of Japanese Wa / / editors, John Hinds, Senko K. Maynard, Shoichi Iwasaki
Pubbl/distr/stampa	Amsterdam ; ; Philadelphia, : J. Benjamins Pub. Co., 1987
ISBN	1-283-31382-0 9786613313829 90-272-7881-4
Edizione	[1st ed.]
Descrizione fisica	1 online resource (319 pages) : illustrations
Collana	Typological studies in language, , 0167-7373 ; ; v. 14
Altri autori (Persone)	HindsJohn MaynardSenko K IwasakiShoichi
Disciplina	495.6/2
Soggetti	Wa (The Japanese word)
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.
Nota di contenuto	pt. 1. Wa in narrative and expository discourse -- pt. 2. Wa and other syntactic phenomena -- pt. 3. Historical perspectives on Wa -- pt. 4. Pragmatic perspectives on Wa.
Sommario/riassunto	Within the field of Japanese linguistics, few areas have generated as much controversy as the morpheme wa; traditionally described as a marker of old or contrasted information, its function as a discourse marker has also been studied. This work aims to deepen the understanding of wa through careful examination of the particle at both sentence and discourse levels in old Japanese as well as present-day Japanese. Previous studies have concentrated on syntactic analyses of wa. The contributors to this volume challenge the old approach and uncover new properties of wa.