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Titolo	Combinatorial peptide and nonpeptide libraries : a handbook / / edited by Gunther Jung
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ISBN	1-281-84264-8 9786611842642 3-527-61491-5 3-527-61490-7
Descrizione fisica	1 online resource (574 p.)
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Soggetti	Combinatorial chemistry
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	Combinatorial Peptide and Nonpeptide Libraries; Preface; Contents; List of Contributors; List of Abbreviations; 1 Natural Peptide Libraries of Microbial and Mammalian Origin; 1.1 Introduction; 1.2 Natural Peptide Libraries of Microbial Origin; 1.2.1 Microbial Polypeptide Antibiotics by Multienzymatic Thiotemplate Synthesis; 1.2.2 Polypeptide Antibiotics by Ribosomal Precursor Protein Synthesis and Posttranslational Modifications; 1.2.3 Combinatorial Biosynthesis and Biological Diversity of Polyketids; 1.3 Natural Peptide Libraries of Mammalian Origin 1.3.1 Self-peptide Libraries Isolated from MHC-Class I Molecules 1.3.2 Self-peptide Libraries Isolated from MHC-Class II Molecules; 1.4 From Natural to Synthetic Peptide Libraries; 1.4.1 Synthetic Methods and the Variety of Peptide and Oligomer Libraries; 1.4.2 Analysis of Synthetic Peptide Libraries; 1.4.3 Selected Applications of Synthetic Peptide Libraries; References; 2 Polymer Supported Organic Synthesis: A Review; 2.1 Introduction; 2.2 Solid-Phase Organic Synthesis and Analytics; 2.2.1 Advantages of Solid-Phase Synthesis in Organic Reactions and Product Work-Up 2.2.2 Supports and Anchors 2.2.3 Multiple, Parallel Syntheses; 2.2.4 Analytics and Monitoring of Solid-Phase Reactions; 2.3 Examples of

Solid-Phase Syntheses of Small Molecules; 2.3.1 Immobilization and Reactions with Hydroxy Compounds; 2.3.1.1 Derivatization of Hydroxy Compounds by Mitsunobu Reaction; 2.3.2 Immobilization and Derivatization of Aldehydes and Ketones; 2.3.3 Immobilization and Derivatization of Dicarboxylic Acids and Their Derivatives; 2.3.4 Ring Closure Reactions; 2.3.5 Heterocyclic Compounds: Benzodiazepines, Hydantoins and Thiazolidines  
2.3.6 Further Ring Closures on Solid Support  
2.3.7 Palladium Catalyzed C-C Attachments; 2.3.8 Further Reactions on Polymeric Support; 2.4 Oligomer Synthesis; 2.4.1 Peptoids; 2.4.2 Oligocarbamates; 2.4.3 Peptide-Nucleic Acids (PNA); 2.4.4 Oligoureas; 2.5 Outlook; Acknowledgments; References; 3 From Multiple Peptide Synthesis to Peptide Libraries; 3.1 Introduction; 3.2 Simultaneous Multiple Peptide Synthesis (SMPS); 3.2.1 Tea-Bag Synthesis; 3.2.2 Cellulose as Support in Multiple Syntheses; 3.2.3 Polystyrene-Grafted Polyethylene (PS-PE) Film, a New Resin?  
3.2.4 Automated Multiple Peptide Synthesizers  
3.2.5 Synthesis of Polymer-Bound Peptides; 3.2.6 Spot Synthesis; 3.2.7 Spatially Addressed Synthesis of Thousands of Peptides; 3.2.8 Microstructured Peptide-Gold Electrode; 3.2.9 Peptide Functionalized Surface by Electrochemical Polymerization; 3.3 Peptide Libraries; 3.3.1 Mixotopes; 3.3.2 Mimotopes; 3.3.3 Phage Libraries and Biopanning; 3.3.4 Random Libraries; 3.3.5 Modified Peptide Libraries; 3.3.6 Identification of the Active Compounds; 3.4 Conclusions; References; 4 Chemical Synthesis of Peptide Libraries; 4.1 The Portioning-Mixing Method  
4.1.1 Principles and Realization

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#### Sommario/riassunto

With combinatorial chemistry millions of organic compounds can be produced simultaneously, quickly, and in most cases by automated procedures. These compound libraries are a cost-effective resource for the pharmaceutical industry in their search for biologically active lead structures. Furthermore simultaneous parallel synthesis of single peptides and peptide libraries solve the problem of the worldwide increasing demand for peptides. The synthetic methods described here in detail contribute to a forward-looking technology that has a high impact for industrial and academic research. Fas

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2. Record Nr.	UNINA9910785478603321
Autore	Langdell Cheri Colby
Titolo	Coping with vision loss : understanding the psychological, social, and spiritual effects / / Cheri Colby Langdell and Tim Langdell
Pubbl/distr/stampa	Santa Barbara, Calif. : , : Praeger, , c2010 New York : , : Bloomsbury Publishing (US), , 2024
ISBN	979-84-00-63214-3 1-282-93303-5 9786612933035 0-313-34665-8
Descrizione fisica	1 online resource (x, 180 pages)
Altri autori (Persone)	LangdellTim
Disciplina	617.7
Soggetti	Blindness Medicine in literature Vision disorders - Psychological aspects
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 (p. 169-174) and index.
Nota di contenuto	A brief history of blindness in world literature -- Fiction by and about the blind -- Insights from the blind today : non-fiction writing -- The spiritual dimensions of blindness -- Current insights : what the future holds.
Sommario/riassunto	More than one million people in the United States are fully blind or legally blind, suffering impairments from retinal and macular degeneration to eye loss. And as America with Baby Boomers and beyond ages, the numbers of legally blind will double. In this work where the authors are assisted by a blind executive, readers are taken into the world of the legally and fully blind, to understand the practical challenges that creates for the person experiencing vision loss, and also the family members and friends of that person.