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# Solid-Phase Synthesis

## A Practical Guide

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# Solid Phase Synthesis A Practical Guide

**Fernando Albericio**



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Solid-Phase Synthesis Fernando Albericio, 2000-04-28 This volume provides the information needed to synthesize peptides by solid phase synthesis SPS employing polymeric support resins anchoring linkages handles coupling reagents activators and protection schemes It presents strategies for creating a wide variety of compounds for drug discovery and analyzes peptides DNA carbohydrates conjugates of biomolecules and small molecules **Solid-Phase Synthesis**, 1975

**Drug Discovery Strategies and Methods** Alexandros Makriyannis, Diane Biegel, 2003-11-04 Navigate the complex and multidisciplinary path of drug discovery procedures with Drug Discovery Strategies and Methods a well organized and timely reference that analyzes methods in target identification and validation lead detection compound optimization and biological testing This volume addresses challenges encountered during the discovery **Peptide Antibiotics** Christopher

Dutton, Mark Haxwell, Hamish McArthur, Richard G. Wax, 2001-12-04 This reference summarizes the latest research on the structure function and design of synthetic and natural peptide antibiotics describing practical applications of these compounds in food preservation and packaging and in the prevention and treatment of infectious diseases by direct antibacterial action and as part of the adaptive immune response *The Practice of Medicinal Chemistry* Camille Georges

Wermuth, 2003-06-11 The Practice of Medicinal Chemistry 2E is a single volume source on the practical aspects of medicinal chemistry The successful first edition was nicknamed The Bible by medicinal chemists and the second edition has been updated expanded and refocused to reflect developments over the last decade Emphasis is put on how medicinal chemists conduct their search for and design of new drug entities In contrast to competing books it focuses on the chemistry rather than pharmacological concepts or descriptions of the various therapeutic classes of drugs Most medicinal chemists working in the pharmaceutical industry are organic synthetic chemists who must acquire a strong knowledge of medicinal chemistry as they enter the industry This book aims to be their practical handbook a complete guide to the drug discovery process The only book available dealing with the practical aspects of medicinal chemistry Serves as a complete guide to the drug discovery process from conception of the molecules to drug production Updated chapters devoted to the discovery of new lead compounds including combinatorial chemistry *A Practical Guide to Combinatorial Chemistry* Anthony W.

Czarnik, 1997 Combinatorial chemistry is the ability to simultaneously synthesize vast numbers of diverse compounds Its techniques have revolutionized the drug discovery process and are widely used throughout the biotechnology community Aimed at a wide audience this text is a down to earth introduction to small molecule combinatorial chemistry It uses a tutorial approach to provide a detailed survey of solid phase peptide synthesis and solution phase synthesis It also reviews current automated approaches and equipment for both solid and solution phase library synthesis Suzuki-Miyaura Cross-Coupling Reaction and Potential Applications Ioannis D. Kostas, 2018-03-23 This book is a printed edition of the Special Issue Suzuki Miyaura Cross Coupling Reaction and Potential Applications that was published in Catalysts **Horizons in Polymer**

**Research** Robert K. Bregg, 2005 Polymers are substances containing a large number of structural units joined by the same type of linkage These substances often form into a chain like structure Starch cellulose and rubber all possess polymeric properties Today the polymer industry has grown to be larger than the aluminum copper and steel industries combined Polymers already have a range of applications that far exceeds that of any other class of material available to man Current applications extend from adhesives coatings foams and packaging materials to textile and industrial fibers elastomers and structural plastics Polymers are also used for most composites electronic devices biomedical devices optical devices and precursors for many newly developed high tech ceramics This new book presents leading edge research in this rapidly changing and evolving field

**Science of Synthesis** Jennifer Antoline, 2000 New edition of the acclaimed reference series Houben Weyl This new ed is published in English and is available in both print and electronic formats Clear and systematic Science of Synthesis provides practical solutions and offers a route through the mass of information available in the primary literature This one stop reference tool is Comprehensive contains synthetic models selected by world renowned experts with full experimental procedures and background information Reliable the international editorial board is made up of distinguished chemists with unparalleled experience and competence Logical and easy to navigate information is organized in a hierarchical system based on the compound or functional group to be synthesized Authoritative critically evaluates the preparative applicability and significance of the synthetic methods Wide ranging considers methods from journals books and patent literature from the early 1800s up to the present day and presents important synthetic methods for all classes of compounds Aldrichimica Acta Aldrich Chemical Company, 2000

**Handbook of Reagents for Organic Synthesis**, 1999 **Reagents for Glycoside, Nucleotide, and Peptide Synthesis** David Crich, 2005-10-21 This handbook collects together short informative articles on approximately 250 of the most widely used reagents in the field into a single volume Each of the articles drawn from the e EROS database contains a summary of the most pertinent reactions for every reagent with references to the original literature This handbook will have a broad appeal and should find a home in every organic chemistry laboratory and library Compiles all the essential reagents for syntheses on and with biomolecules Gives key information on protection bond formation and deprotection An essential resource for all synthetic chemists working in drug development and medicinal chemistry Makes use of the leading reagent database e EROS

**Handbook of Combinatorial Chemistry** K. C. Nicolaou, Rudolf Hunkeler, Wolfgang Hartwig, 2002-04-29 In two volumes this comprehensive handbook provides coverage of the whole area of combinatorial synthetic chemistry including compound library design and synthesis

**Encyclopedia of Polymer Science and Technology, Part 3** Herman F. Mark, 2004-09-27 This third Edition is a completely new version in a new century of the Encyclopedia of Polymer Science and Technology The new edition will bring the state of the art up to the 21st century with coverage of nanotechnology new imaging and analytical techniques new methods of controlled polymer architecture biomimetics and more New topics covered include nanotechnology AFM MALDI

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**Medicinal Chemistry and Drug Discovery: Drug discovery and drug development** Alfred Burger, 2003

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