Record Nr. UNINA9910831168603321 Combinatorial chemistry [[electronic resource]]: synthesis, analysis, **Titolo** screening / / edited by Gunther Jung Pubbl/distr/stampa Weinheim: New York,: Wiley-VCH, 2001, c1999 **ISBN** 1-281-76416-7 9786611764166 3-527-61350-1 3-527-61351-X Descrizione fisica 1 online resource (635 p.) Altri autori (Persone) JungGunther Disciplina 547.2 615.19 Soggetti Combinatorial chemistry Organic compounds - Synthesis Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Includes bibliographical references and index. Nota di bibliografia Nota di contenuto Combinatorial Chemistry; Contents; 1. Combinatorial Chemistry; 1.1 Introduction; 1.2 Principles of Combinatorial Chemistry; 1.3 Methods and Techniques of Combinatorial Synthesis; 1.3.1 Synthetic Strategies Towards Combinatorial Libraries: 1.3.1.1 Split-Pool Synthesis Towards Combinatorial Libraries; 1.3.1.2 Parallel Synthesis Towards Combinatorial Libraries; 1.3.1.3 Reagent Mixture Synthesis Towards Combinatorial Libraries; 1.3.2 Synthetic Methodology for Organic Library Construction; 1.3.2.1 Solid-Phase Organic Synthesis; 1.3.2.2 Synthesis in Solution and Liquid-Phase Synthesis 1.4 Characterization of Combinatorial Libraries 1.4.1 Analytical Characterization; 1.4.1.1 Analytical Characterization of Compound Mixtures; 1.4.1.2 Analytical Characterization of Single Substances; 1.4.2 Hit Identification in Combinatorial Libraries by High-Throughput Screening; 1.4.2.1 Strategies for Libraries of Compound Mixtures; 1.4.2.2 Strategies for Libraries of Separate Single Compounds; 1.5 Automation and Data Processing; 1.5.1 Synthesis Automation and Data

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Sommario/riassunto

The story of success goes on and on - with a new book on combinatorial chemistry, edited by G?nther Jung!Combinatorial chemistry is a proven time- and resource-saving synthetic method of outstanding importance for industrial processes. Compound libraries help to save time and money, especially in the search for new drugs, and therefore play a pivotal role in solving the problem of the worldwide increasing demand for new and more active drugs. Not only substances, which are of interest for pharmaceutical chemistry, but also materials, catalysts, and biomolecules such as DNA or oligosacc