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Nota di contenuto	Analysis and Purification Methods in Combinatorial Chemistry; CONTENTS; PREFACE; CONTRIBUTORS; PART I ANALYSIS FOR FEASIBILITY AND OPTIMIZATION OF LIBRARY SYNTHESIS; CHAPTER 1 QUANTITATIVE ANALYSIS IN ORGANIC SYNTHESIS WITH NMR SPECTROSCOPY; CHAPTER 2 (19)F GEL-PHASE NMR SPECTROSCOPY FOR REACTION MONITORING AND QUANTIFICATION OF RESIN LOADING; CHAPTER 3 THE APPLICATION OF SINGLE-BEAD FTIR AND COLOR TEST FOR REACTION MONITORING AND BUILDING BLOCK VALIDATION IN COMBINATORIAL LIBRARY SYNTHESIS; CHAPTER 4 HR-MAS NMR ANALYSIS OF COMPOUNDS ATTACHED TO POLYMER SUPPORTS CHAPTER 5 MULTIVARIATE TOOLS FOR REAL-TIME MONITORING AND OPTIMIZATION OF COMBINATORIAL MATERIALS AND PROCESS CONDITIONS; CHAPTER 6 MASS SPECTROMETRY AND SOLUBLE POLYMERIC SUPPORT; PART II HIGH-THROUGHPUT ANALYSIS FOR LIBRARY QUALITY CONTROL; CHAPTER 7 HIGH-THROUGHPUT NMR TECHNIQUES FOR COMBINATORIAL CHEMICAL LIBRARY ANALYSIS; CHAPTER 8 MICELLAR ELECTROKINETIC CHROMATOGRAPHY AS A TOOL FOR COMBINATORIAL CHEMISTRY ANALYSIS: THEORY AND

APPLICATIONS; CHAPTER 9 CHARACTERIZATION OF SPLIT-POOL ENCODED COMBINATORIAL LIBRARIES; PART III HIGH-THROUGHPUT PURIFICATION TO IMPROVE LIBRARY QUALITY  
CHAPTER 10 STRATEGIES AND METHODS FOR PURIFYING ORGANIC COMPOUNDS AND COMBINATORIAL LIBRARIES; CHAPTER 11 HIGH-THROUGHPUT PURIFICATION: TRIAGE AND OPTIMIZATION; CHAPTER 12 PARALLEL HPLC IN HIGH-THROUGHPUT ANALYSIS AND PURIFICATION; PART IV ANALYSIS FOR COMPOUND STABILITY AND DRUGABILITY; CHAPTER 13 ORGANIC COMPOUND STABILITY IN LARGE, DIVERSE PHARMACEUTICAL SCREENING COLLECTION; CHAPTER 14 QUARTZ CRYSTAL MICROBALANCE IN BIOMOLECULAR RECOGNITION; CHAPTER 15 HIGH-THROUGHPUT PHYSICOCHEMICAL PROFILING: POTENTIAL AND LIMITATIONS; CHAPTER 16 SOLUBILITY IN THE DESIGN OF COMBINATORIAL LIBRARIES; CHAPTER 17 HIGH-THROUGHPUT DETERMINATION OF LOG D VALUES BY LC/MS METHODINDEX

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Sommario/riassunto

Quality measurement, control, and improvement in combinatorial chemistry  
Combinatorial chemistry has developed rapidly in the past decade, with great advances made by scientists working on analysis and purification of a large number of compounds and the analysis of polymer-bound compounds. However, formidable challenges lie ahead of today's researcher. For example, high-throughput analysis and purification technologies must be further developed to ensure combinatorial libraries are "purifiable," and "drugable." To this end, Analysis and Purification Methods in Combinatorial Chemistry

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Disciplina	616.8
Soggetti	Nervous system - Diseases Brain - Diseases Neurology Brain Diseases Cerveau - Maladies Systeme nerveux - Maladies Neurologie Malalties cerebrals Neurologia Malalties del sistema nerviós Periodical periodicals. Periodicals. Periodiques. Revistes electròniques.
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