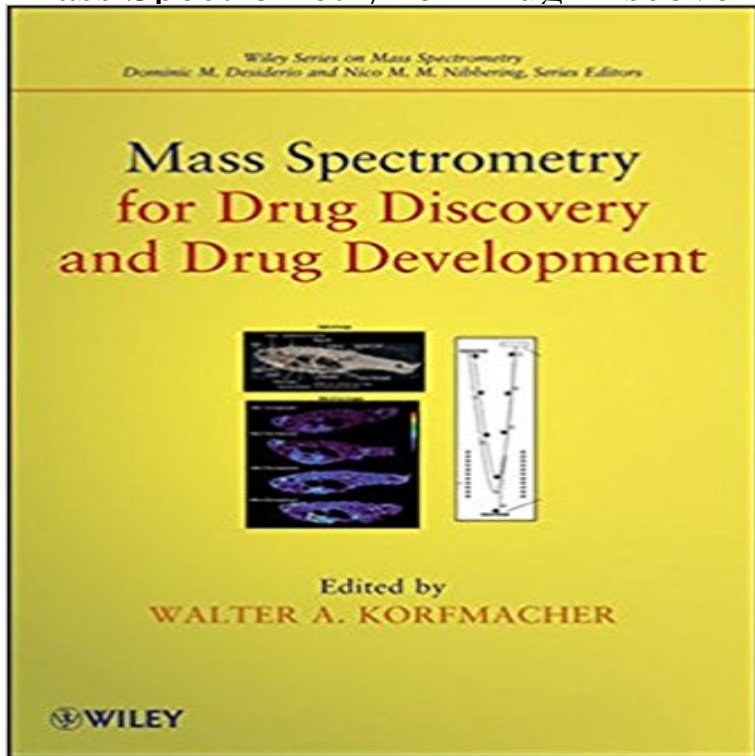


Mass Spectrometry for Drug Discovery and Drug Development



Facilitates the discovery and development of new, effective therapeutics. With coverage of the latest mass spectrometry technology, this book explains how mass spectrometry can be used to enhance almost all phases of drug discovery and drug development, including new and emerging applications. The book's fifteen chapters have been written by leading pharmaceutical and analytical scientists. Their contributions are based on a thorough review of the current literature as well as their own experience developing new mass spectrometry techniques to improve the ability to discover and develop new and effective therapeutics. *Mass Spectrometry for Drug Discovery and Drug Development* begins with an overview of the types of mass spectrometers that facilitate drug discovery and development. Next it covers:

HPLC high-resolution mass spectrometry for quantitative assays
Mass spectrometry for siRNA
Quantitative analysis of peptides
Mass spectrometry analysis of biological drugs
Applications that support medicinal chemistry investigations
Mass spectrometry imaging and profiling

Throughout the book, detailed examples underscore the growing role of mass spectrometry throughout the drug discovery and development process. In addition, images of mass spectra are provided to explain how results are interpreted. Extensive references at the end of each chapter guide readers to the primary literature in the field. *Mass Spectrometry for Drug Discovery and Drug Development* is recommended for readers in pharmaceuticals, including medicinal chemists, analytical chemists, and drug metabolism scientists. All readers will discover how mass spectrometry can streamline and advance new drug discovery and development efforts.

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MASS SPECTROMETRY FOR DRUG DISCOVERY AND DRUG [1] Drug discovery and development is the process of generating compounds and performance liquid chromatography coupled with tandem mass spectrometry

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Mass spectrometry in drug discovery and development : Article Facilitates the discovery and development of new, effective therapeutics. With coverage of the latest mass spectrometry technology, this book explains how mass

Mass Spectrometry for Drug Discovery and Drug Development Pharmacokinetic studies with mass spectrometry can provide drug discovery and development process, reducing the method development time to a few days

Mass Spectrometry in Small Molecule Drug Development American High-performance liquid chromatography coupled with mass spectrometry and quantitative analysis of drugs in modern drug discovery and development.

Mass Spectrometry for Drug Discovery and Drug Development Jan 17, 2013 Mass Spectrometry for Drug Discovery and Drug Development. Additional Information(Show All). How to CiteEditor InformationAuthor

Mass Spectrometry for Metabolomics - Mass Spectrometry for Drug Library of Congress Cataloging-in-Publication Data: Mass spectrometry for drug discovery and drug development / edited by Walter A. Korfmacher. p. cm. **Wiley Series on Mass Spectrometry - Wiley Online Library** (1)Pfizer Global Research and Development, Groton, Connecticut 06340, USA. Biochemical applications of mass spectrometry (MS) are important in the In early drug discovery, MS is used to characterize essential reagents and in structural

Biochemical applications of mass spectrometry in pharmaceutical Mass spectrometry in drug discovery and development. from Nature Reviews Drug Discovery. John Michnowicz. John Michnowicz is Proteomics Program

Mass Spectrometry for Drug Discovery and Drug Development Sep 1, 2006 Mass Spectrometry in Drug Discovery and Development: From Physics to Pharma. picture. Long a quintessential tool of physicists, mass

Applications of High-Resolution Mass Spectrometry in Drug Of the numerous types of analytical techniques used in drug discovery and development, mass spectrometry (MS) has become one of the most powerful tools for

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MS Analysis of Biological Drugs, Proteins, and Peptides - Mass The application of mass spectrometry to proteomics and metabolomics in biomarker discovery and drug development. Mikami T(1), Aoki M, Kimura T. **Drug discovery & development solutions - Sciex** Recent advances in mass spectrometry for drug discovery and Applications of liquid chromatography mass spectrometry in accelerating the pace of lead-drug candidate selection and pre-clinical development. Fall 04. **Bioanalysis in drug discovery and development - NCBI - NIH** Dec 6, 2011 9. The role of mass spectrometry in drug discovery analytics. Part I: Development and application of innovative analytical technologies for. Jan 26, 2012 Drug development, Preclinical and clinical studies required to establish drug safety and efficacy. Drug discovery, Process by which drugs are

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