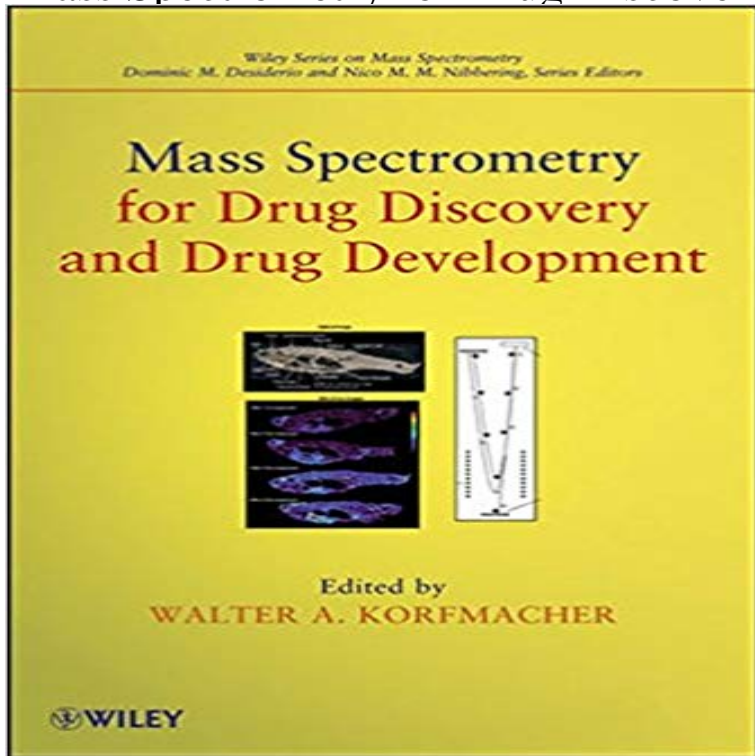


# Mass Spectrometry for Drug Discovery and Drug Development



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 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

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