

New books

Applied Electrospray Mass Spectrometry

Birendra N. Pramanik, A.K. Ganguly, Michael L. Gross (Eds.); Marcel Dekker, New York, 2002, 434 pp, \$ 185.

This book is the 32nd of the Practical Spectroscopy Series. It regroups 11 contributions from 27 scientists from academia and industry.

It begins with a historical review of the Electrospray Ionisation Mass Spectrometry (Ch. 1), followed by a description of monospray development: LC/MS, CE/MS, in macromolecules (Ch. 2).

Chs. 3, 4 and 5 deal with natural products, combinatorial chemistry and drug metabolism and pharmacokinetics. Chs. 6, 7 and 8 are devoted to questions related to peptides and proteins. Ch. 9 evokes detection of non-covalent complexes. Protein structure and dynamics are the subject of Ch. 10.

Ch. 11 deals with the application of microflow ESI-MS in problems in the field of clinical and biomedical research.

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Pharmaceutical and Medical Applications of Near-Infrared Spectroscopy

Emil W. Ciurczak, James K. Drennen III (Eds.); Marcel Dekker, New York, 2002, 192 pp, \$ 135.

This book is the 31st volume of the Series Practical Spectroscopy.

The aim of the book is to discuss the theory, instrumentation, validation, and implementations of near-infrared spectroscopy for pharmaceutical and medical applications.

It is divided into seven chapters:

1. Basic Principles and Theory
2. Instrumentation
3. Blend Uniformity Analysis

4. Granulation, Drying, and Coating

5. Pharmaceutical Assays

6. Validation Issues

7. Medical Applications

An index is provided.

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Pharmaceutical Chemistry

Therapeutic Aspects of Biomacromolecules. Christine M. Bladon (Ed.); John Wiley and Sons, Chichester, 2002, 221 pp, £ 24.95.

The aim of this book is to introduce some of the strategies involved in the development and production of a range of clinically useful biomacromolecules and to describe some current advances which may lead to the design of future therapeutics.

It presents a large overview of the way in which peptides, proteins, nucleic acids and carbohydrates are used therapeutically.

The book is divided in six parts:

1. Introduction
2. Endogenous Peptides and Proteins
3. Modification of Endogenous Peptides and Proteins
4. The Immune System
5. Oligonucleotides
6. Oligosaccharides

A glossary and an Index are provided.

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