

Book-reviews

Chemogenomics in Drug Discovery, A Medicinal Chemistry Perspective, in: H. Kubinyi, G. Müller (Eds.), Methods and Principles in Medicinal Chemistry Volume 22, Wiley-VCH, Weinheim, 2004 464 p.p.

This volume attempts to re-position the core discipline of Medicinal Chemistry right into the centre of chemogenomics.

29 Contributors of high scientific level redacted 15 chapters in that purpose.

1. Target Family-directed Master keys in Chemogenomics
2. Drug discovery from side effects
3. The value of Chemical Genetics in Drug Discovery
4. Structural aspects of Binding Site Similarity
5. The Contribution of Molecular Informatics to Chemogenomics
6. Chemical Kinomics
7. Structural Aspects of Kinases and their Inhibitors
8. A Chemical Genomics Approach for Ion Channel Modulators
9. Phosphodiesterase Inhibitors
10. Proteochemometrics: A tool for Modeling the Molecular Interaction Space
11. Some Principles Related to Chemogenomics in Compound Library and Template Design for GPCRs
12. Computational Filters in Lead Generation: Targeting Drug-like Chemotypes
13. Navigation in Chemical Space: Ligand-based Design of Focused Compound Libraries
14. Natural Product-derived Compound Libraries and Protein Structure Similarity as Guiding Principles for the Discovery of Drug Candidates
15. Combinatorial Chemistry of the Age of Chemical Genomics

An index is provided

B. Testa, J.M. Mayer (Eds.), Hydrolysis in Drug and Prodrug Metabolism, Chemistry, Biochemistry and Enzymology, Verlag Helvetica Chimica Acta, Wiley-VCH, Zurich, Weinheim, 2003 780 p.p.

Hydrolases reviewed in this book constitute a part of the arsenal of enzymes active in the metabolism of xenobiotics.

The ten chapters are ordered in four groups:

- (ch. 2 and 3) various hydrolytic enzymes involved in amide and ester hydrolysis;
- (ch. 4, 5, 6 and 7) hydrolysis of amides;
- (ch. 7,8,9) hydrolysis of esters;
- (ch. 10) epoxide hydrolases.

An index is provided.

Available 21 September 2005

0223-5234/\$ - see front matter © 2005 Published by Elsevier SAS.
doi:10.1016/j.ejmech.2005.03.006

J.J. Li, D.S. Johnson, D.R. Sliskovic, B.D. Roth (Eds.), Contemporary Drug Synthesis, Wiley-Interscience, Hoboken, New-Jersey, 2004 221 p.p. 52.95 \$.

The purpose of this book is to illustrate how chemistry, biology, pharmacokinetics and other disciplines all come together to produce successful new medicines. The authors have compiled fourteen representatives categories of drugs amongst the best selling drugs.

Contents:

- Antithrombotics;
- Anti-inflammatory Cyclooxygenase – 2 selective inhibitors;
- H⁺/K⁺ - ATPase Inhibitors;
- Protein-tyrosine Kinase Inhibitors;
- Non-sedating Antihistamines;
- Cosmeceuticals;
- Antibacterials;
- Atypical Antipsychotics;
- Atorvastatin Calcium;
- Antidepressants;
- Anti-obesity;

Available online 21 September 2005

0223-5234/\$ - see front matter © 2005 Published by Elsevier SAS.
doi:10.1016/j.ejmech.2005.03.004

- Triptans for migraine;
- Inhibitors for Erectile Dysfunction;
- Antiasthmatics.

An index is provided.

Available online 21 September 2005

0223-5234/\$ - see front matter © 2005 Published by Elsevier SAS.
doi:10.1016/j.ejmech.2005.03.005
