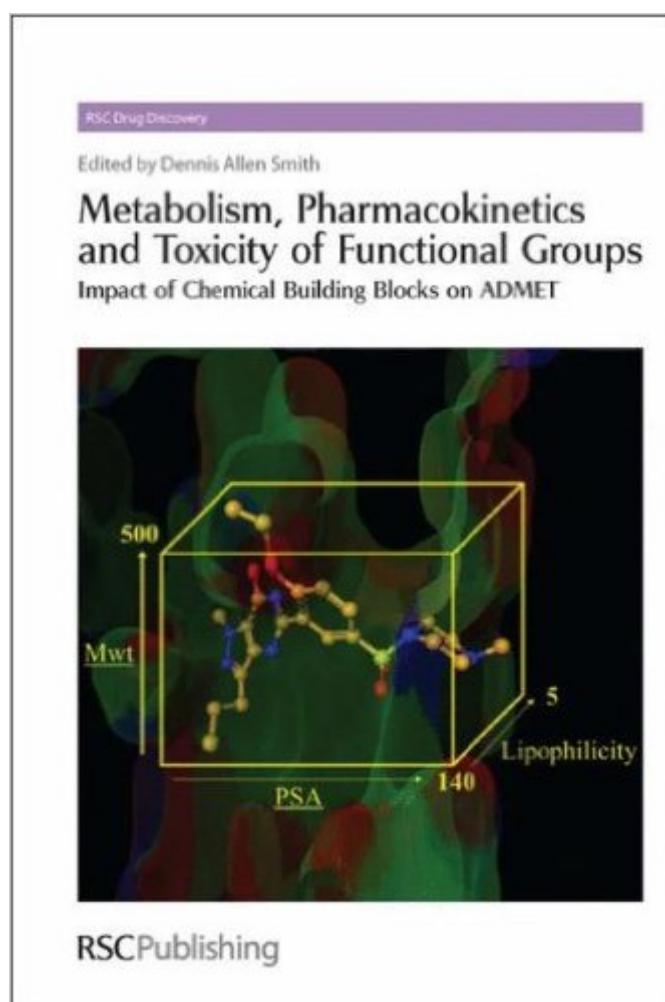


The book was found

Metabolism, Pharmacokinetics And Toxicity Of Functional Groups: Impact Of Chemical Building Blocks On ADMET (Drug Discovery)



Synopsis

Until now, the area of drug metabolism and pharmacokinetics has been lacking in texts written for the Medicinal Chemist. This outstanding book, aimed at postgraduate medicinal chemists and those working in industry, fills this gap in the literature. Written by medicinal chemists and ADMET scientists with a combined experience of around 300 years, this aid to discovering drugs addresses the absorption, distribution, metabolism, excretion and toxicity (ADMET) issues associated with drugs. The book starts by describing drug targets and their structural motifs before moving on to explain ADMET for the medicinal chemist. It is the functional groups which most profoundly influence the drug molecules of which they form a part. They characterise the pharmacology, are essential to the activity, and alter the ADMET characteristics of each drug. Their effects follow a pattern, thus allowing medicinal chemists to predict and overcome potential challenges. For this reason, the Editors have taken the unique approach of dividing the remainder of the book into chapters which each focus on a different functional group. They describe drugs containing the functional group under consideration, explain why the group is there, and outline its physicochemical properties before going on to detail the ADMET issues. Where possible, prodrugs and bioisosteres, which may give alternative ADMET outcomes, are described. The chapters cross refer where similar matters are covered but individual chapters can be used in a stand alone manner. The book ends with a discussion of future targets and chemistry needs.

Book Information

Series: Drug Discovery (Book 1)

Hardcover: 544 pages

Publisher: Royal Society of Chemistry; 1st Edition. edition (April 9, 2010)

Language: English

ISBN-10: 1849730164

ISBN-13: 978-1849730167

Product Dimensions: 6.1 x 1.2 x 9.2 inches

Shipping Weight: 2.1 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,520,459 in Books (See Top 100 in Books) #60 in Books > Medical Books > Pharmacology > Chemistry #79 in Books > Medical Books > Pharmacology > Clinical #95 in Books > Science & Math > Chemistry > Clinical

[Download to continue reading...](#)

Metabolism, Pharmacokinetics and Toxicity of Functional Groups: Impact of Chemical Building Blocks on ADMET (Drug Discovery) Handbook of Essential Pharmacokinetics, Pharmacodynamics and Drug Metabolism for Industrial Scientists Groups and Symmetries: From Finite Groups to Lie Groups (Universitext) Translational ADMET for Drug Therapy: Principles, Methods, and Pharmaceutical Applications G Protein-Coupled Receptors in Drug Discovery (Drug Discovery Series) Applied Biopharmaceutics & Pharmacokinetics, Sixth Edition (Shargel, Applied Biopharmaceutics & Pharmacokinetics) Basic Clinical Pharmacokinetics (Basic Clinical Pharmacokinetics (Winter)) Metabolic Activation and Toxicity of Chemical Agents to Lung Tissue and Cells Selective Toxicity: The Physico-Chemical Basis of Therapy Drug-Like Properties, Second Edition: Concepts, Structure Design and Methods from ADME to Toxicity Optimization The Metabolism Miracle Cookbook: 175 Delicious Meals that Can Reset Your Metabolism, Melt Away Fat, and Make You Thin and Healthy for Life Fast Metabolism and Weight Loss: How to Boost Your Metabolism and Lose Weight Fast Metabolism Diet Cookbook: Healthy & Wholesome Fast Metabolism Diet Recipes to Slim Down and Burn Fat Multinational Drug Companies: Issues in Drug Discovery and Development Groups, Graphs and Trees: An Introduction to the Geometry of Infinite Groups (London Mathematical Society Student Texts) My IVF Breast Cancer: Estrogen Metabolism, Cancer Treatment & Functional Genomics Pharmacology Study Guide: drug classification, indications, reactions, and examples, Pharmacodynamics, Pharmacokinetics, Medical Chemistry & more for medical, ... nursing, & dental students (Mobi Medical) Embedded Systems Building Blocks: Complete and Ready-to-Use Modules in C Learning the Art of Helping: Building Blocks and Techniques (5th Edition) (The Merrill Counseling) Word Roots Beginning: Learning the Building Blocks of Better Spelling and Vocabulary

[Dmca](#)