

<<医药化学>>

图书基本信息

书名 : <<医药化学>>

13位ISBN编号 : 9787030109620

10位ISBN编号 : 7030109627

出版时间 : 2003-4

出版时间 : 科学出版社

作者 : 帕特里克(Patrick G.)

页数 : 278

字数 : 3500

版权说明 : 本站所提供下载的PDF图书仅提供预览和简介 , 请支持正版图书。

更多资源请访问 : <http://www.tushu007.com>

<<医药化学>>

内容概要

“精要速览系列(Instant Notes Series) ”丛书是国外教材“ Best Seller ”榜的上榜教材。该系列结构新颖，视角独特；重点明确，脉络分明；图表简明清晰；英文自然易懂，被国内多所重点院校选用作为双语教材。

先锋版是继“现代生物学精要速览”之后推出的跨学科的升级版本。

本书是该系列中的《医药化学》分册，全书共13章，综合了化学、生物学和计算机科学的内容，扼要介绍了药物设计与发现、新药开发与应用、临床试验及专利申请等。

本书是指导大学生快速掌握医药化学基础知识的优秀教材，也是辅助教师授课的极佳教学参考书，同时可供相关专业的研究生参考。

<<医药化学>>

书籍目录

Abbreviations Preface About the author
Section A-The science of medicinal chemistry A1 Introduction A2
From concept to market
Section B-Drug targets B1 Enzymes B2 Receptors B3 Carrier proteins B4
Structural proteins B5 Nucleic acids B6 Lipids B7 Carbohydrates
Section C-Pharmacokinetics C1
Pharmacokinetics C2 Drug absorption C3 Drug distribution C4 Drug metabolism C5 Drug excretion
C6 Drug administration C7 Drug dosing
Section D-Biological testing and bioassays D1 Testing drugs D2
Testing drugs in vitro D3 Testing drugs in vivo
Section E-Drug discovery E1 The lead compound E2 Natural sources of lead compounds E3 Synthetic sources of lead compounds
Section F-Synthesis F1 Synthetic considerations F2 Stereochemistry F3 Combinatorial synthesis
Section G-Structure-activity relationships G1 Definition of structure-activity relationships G2 Binding interactions G3 Functional groups as binding groups G4 The pharmacophore G5 Quantitative structure-activity relationships
Section H-Target orientated drug design H1 Aims of drug design H2 Computer aided drug design H3 Simplification of complex molecules H4 Conformational restraint H5 Extra binding interactions H6 Enhancing existing binding interactions
Section I-Pharmacokinetic orientated drug design I1 Drug solubility I2 Drug stability
Section J-Patenting and manufacture J1 Patenting and chemical development J2 Optimization of reactions J3 Scale-up issues J4 Process development J5 Specifications
Section K-Preclinical testing and clinical trials K1 Toxicology K2 Pharmacology and pharmaceutical chemistry K3 Drug metabolism studies K4 Clinical trials K5 Regulatory affairs
Section L-Case study:inhibitors of EGF-receptor kinase L1 Epidermal growth factor receptor L2 Testing procedures L3 From lead compound to dianilino-phthalimides L4 Modeling studies L5 4-(Phenylamino)pyrrolopyrimidines L6 Pyrazolopyrimidines
Section M-History of medicinal chemistry M1 The age of herbs,potions and magic M2 The nineteenth century M3 A fledgling science(1900-1930)
M4 The dawn of the antibacterial age(1930-1945) M5 The antibiotic age(1945-1970s) M6 The age of reason (1970s to present)
Further reading Index

<<医药化学>>

版权说明

本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问:<http://www.tushu007.com>