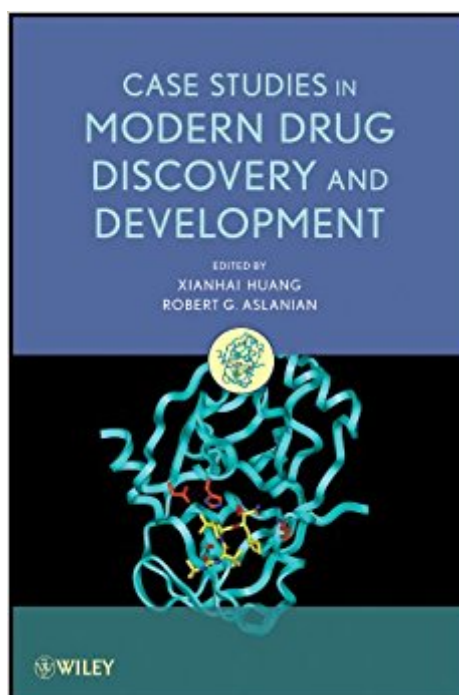


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Case Studies In Modern Drug Discovery And Development



Synopsis

Learn why some drug discovery and development efforts succeed . . . and others fail Written by international experts in drug discovery and development, this book sets forth carefully researched and analyzed case studies of both successful and failed drug discovery and development efforts, enabling medicinal chemists and pharmaceutical scientists to learn from actual examples. Each case study focuses on a particular drug and therapeutic target, guiding readers through the drug discovery and development process, including drug design rationale, structure-activity relationships, pharmacology, drug metabolism, biology, and clinical studies. Case Studies in Modern Drug Discovery and Development begins with an introductory chapter that puts into perspective the underlying issues facing the pharmaceutical industry and provides insight into future research opportunities. Next, there are fourteen detailed case studies, examining: All phases of drug discovery and development from initial idea to commercialization Some of today's most important and life-saving medications Drugs designed for different therapeutic areas such as cardiovascular disease, infection, inflammation, cancer, metabolic syndrome, and allergies Examples of prodrugs and inhaled drugs Reasons why certain drugs failed to advance to market despite major research investments Each chapter ends with a list of references leading to the primary literature. There are also plenty of tables and illustrations to help readers fully understand key concepts, processes, and technologies. Improving the success rate of the drug discovery and development process is paramount to the pharmaceutical industry. With this book as their guide, readers can learn from both successful and unsuccessful efforts in order to apply tested and proven science and technologies that increase the probability of success for new drug discovery and development projects.

Book Information

File Size: 7354 KB

Print Length: 472 pages

Publisher: Wiley; 1 edition (April 19, 2012)

Publication Date: April 19, 2012

Sold by:Â Digital Services LLC

Language: English

ASIN: B007WLU99W

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Not Enabled

Best Sellers Rank: #1,747,027 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #83

inÂ Books > Medical Books > Pharmacology > Product Development #570 inÂ Kindle Store >

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Customer Reviews

I love the examples the authors have chosen - especially the one on artemisinin. I just hope that there will be soon a Volume 2!!!

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