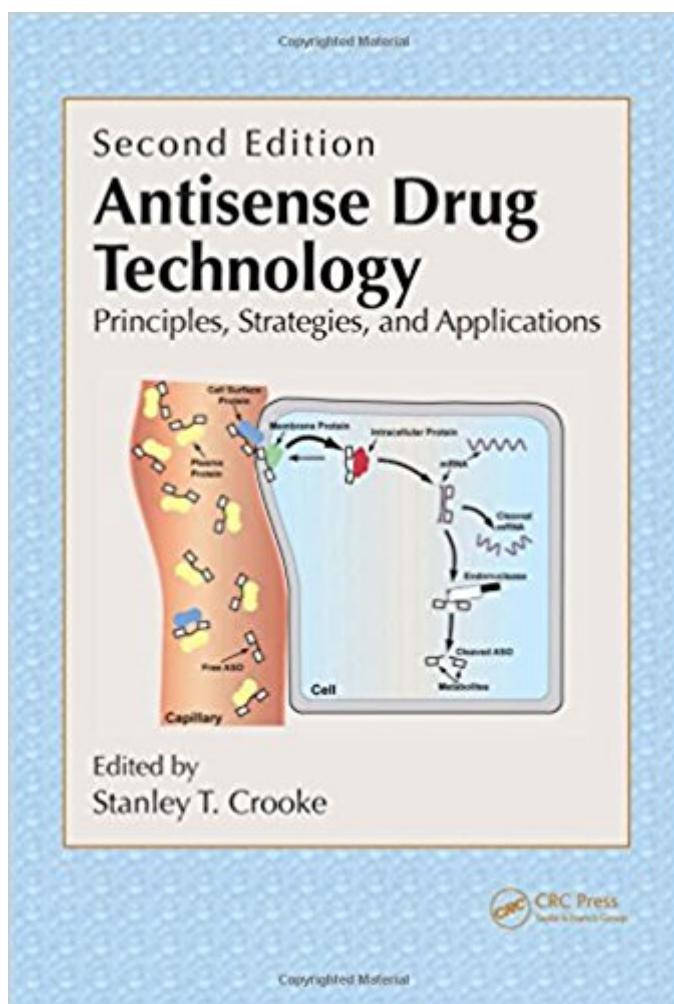


The book was found

# Antisense Drug Technology: Principles, Strategies, And Applications, Second Edition



## Synopsis

Extensively revised and updated, *Antisense Drug Technology: Principles, Strategies, and Applications*, Second Edition reflects the logarithmic progress made in the past four years of oligonucleotide-based therapies, and, in particular, antisense therapeutics and research. Interpreting lessons learned from the clinical trials of first generation drugs, the book evaluates the technology as a whole and offers new directions and avenues of research and development. Divided into five parts, the book begins with a thorough introduction to the mechanism of antisense drug action including the RNase H mechanism, small RNA silencing pathways, and the potential therapeutics of splice switching oligonucleotides. Leading researchers demonstrate the basics of oligonucleotide therapeutics in part two by delineating medicinal chemistry, pharmacokinetics, and delivery routes such as liposomal formulations for nucleic acid delivery. Part three details hybridization based drugs and considers the dramatic advances represented by 2 $\alpha$ ™ methoxyethyl chimeric antisense inhibitors and duplex RNA drugs. Other chemical classes of drugs and mechanisms of action are described in part four with further discussions on improving the second generation antisense drugs. The final part delves deeply into therapeutic applications. Contributing authors examine the potential of antisense drugs for the alleviation of cardiovascular diseases, metabolic diseases, inflammatory diseases, cancer, neurological disorders, and immune modulation. Presenting a highly detailed, lucid discussion of the remarkable advances in the field, *Antisense Drug Technology: Principles, Strategies, and Applications*, Second Edition provides the platform for researchers to continue to aggressively pursue the great opportunity represented by this exciting technology.

## Book Information

Hardcover: 848 pages

Publisher: CRC Press; 2 edition (July 25, 2007)

Language: English

ISBN-10: 0849387965

ISBN-13: 978-0849387968

Product Dimensions: 7.2 x 2 x 10.2 inches

Shipping Weight: 3.1 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,658,358 in Books (See Top 100 in Books) #26 in Books > Medical Books > Pharmacology > Product Development #69 in Books > Medical Books > Pharmacology >

## Customer Reviews

This book gives a nearly complete overview of the current state-of-the-art oligonucleotide drugs. It provides valuable insights into the great opportunities that are presented by this technology. Dr. Kees Fluiter, The University of Amsterdam, in ChemMedChem, Vol. 4, 2009 This edition is a cutting edge document including up-to-date cited references and a variety of compelling clinical case studies, and it of course retains the superb basic principles and background to antisense drug technologies featured in the first edition. Gary Evans, Industrial Research Ltd., in Journal of Medicinal Chemistry, 2008, Vol. 51, No. 5

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

Antisense Drug Technology: Principles, Strategies, and Applications, Second Edition Delivery Strategies for Antisense Oligonucleotide Therapeutics Drug Delivery: Principles and Applications (Wiley Series in Drug Discovery and Development) Drug Addicts- Prescription Pill Drug Abuse: How to Deal With an Addict Adult, Friend, Family Member, Teen or Teenager Who is Addicted to Medications (Prescription Pill Drug Abuse Help) Technology in the Law Office, Second Edition (Technology in the Law Office, Second Edition) The Organic Chemistry of Drug Design and Drug Action, Second Edition Controlled Drug Delivery: Fundamentals and Applications, Second Edition (Drugs and the Pharmaceutical Sciences) Drug Delivery: Fundamentals and Applications, Second Edition Blockchain: Step By Step Guide To Understanding The Blockchain Revolution And The Technology Behind It (Information Technology, Blockchain For Beginners, Bitcoin, Blockchain Technology) Fintech: Simple and Easy Guide to Financial Technology(Fin Tech, Fintech Bitcoin, financial technology fintech, Fintech Innovation, Fintech Gold, ... technology, equity crowdfunding) (Volume 1) FINTECH: Simple and Easy Guide to Financial Technology(Fin Tech, Fintech Bitcoin, financial technology fintech, Fintech Innovation, Fintech Gold, Financial services technology, equity crowdfunding) 3D Reconstruction: Methods, Applications and Challenges (Computer Science, Technology and Applications) Sliding Friction: Physical Principles and Applications (NanoScience and Technology) Functional Polymer Coatings: Principles, Methods, and Applications (Wiley Series on Polymer Engineering and Technology) Radio Receiver Technology: Principles, Architectures and Applications Handbook of Industrial Refractories Technology: Principles, Types, Properties and Applications Poisoning and Drug Overdose, Sixth Edition (Poisoning & Drug Overdose) Poisoning and Drug Overdose, Seventh Edition (Poisoning & Drug Overdose) SPECIFICATIONS OF INTRODUCTION TO PHARMACOKINETICS AND PHARMACODYNAMICS: THE QUANTITATIVE

**BASIS OF DRUG THERAPY : THE QUANTITATIVE BASIS OF DRUG THERAPY 1ST EDITION**  
**(PAPERBACK) The Organic Chemistry of Drug Design and Drug Action, Third Edition**

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)