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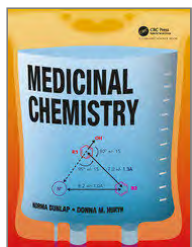
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[www.routledge.com/representatives](http://www.routledge.com/representatives).

# Contents

Medicinal Chemistry .....	2
Pharmaceutical Science .....	3
<b>Index</b> .....	<b>5</b>

## Medicinal Chemistry



**Norma K Dunlap, Donna M Huryn**

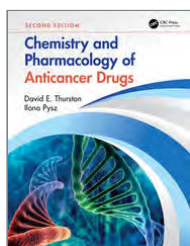
Medicinal Chemistry teaches the essential concepts of medicinal chemistry from the perspective of practicing chemists, starting with a synthetic organic chemistry and structural biology foundation and interweaving coverage of therapeutics, case studies, historical context, and modern techniques. Each chapter features a Journal Club, as well as review and application questions to enhance and test comprehension. This textbook is ideal for upper-level undergraduates and graduate students taking a one-semester survey course on medicinal chemistry and/or drug discovery, as well as scientists entering the pharmaceutical industry.

Garland Science  
April 2018, 508  
Pb: 978-0-815-34556-5: £105  
eBook: 978-1-315-10047-0

\* For full contents and more information, visit: [www.routledge.com/9780815345565](http://www.routledge.com/9780815345565)

2ND EDITION

## Chemistry and Pharmacology of Anticancer Drugs



David E. Thurston, Ilona Pysz

This book is a comprehensive survey of all families of anticancer agents and therapeutic approaches currently in use or in advanced stages of clinical trials, including biological-based therapies. The book is unique in providing molecular structures for all anticancer agents, discussing them in terms of history of development, chemistry, mechanism of action, structure-function relationships and pharmacology. This book is an indispensable resource for cancer researchers, medicinal chemists and other biomedical scientists. The new edition of this book will have a Companion Website offering regular updates to the twelve chapters useful for both students and instructors.

CRC Press  
March 2021:618  
Hb: 978-1-138-32358-2: £195  
Pb: 978-1-439-85326-9: £120  
eBook: 978-1-315-37472-7

\* For full contents and more information, visit: [www.routledge.com/9781439853269](http://www.routledge.com/9781439853269)

2ND EDITION

## Drug Delivery

Fundamentals and Applications, Second Edition



Edited by Anya Hillery, Kinam Park

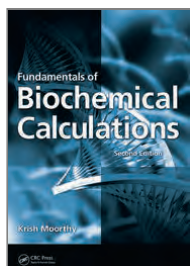
This book provides a comprehensive introduction to advanced drug delivery and targeting, covering their principles, current applications, and potential future developments. This edition has been updated to reflect significant trends and cutting-edge advances that have occurred since the first edition was published. All the original chapters have been retained, but the material therein has been updated. Eight new chapters have been added that deal with entirely new technologies and approaches.

CRC Press  
September 2016:632  
Hb: 978-1-138-40736-7: £180  
Pb: 978-1-482-21771-1: £115  
eBook: 978-1-315-38257-9

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2ND EDITION

## Fundamentals of Biochemical Calculations



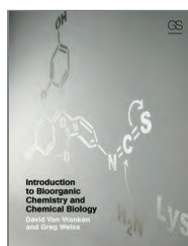
Krish Moorthy

Drawing attention to the widely applicable Ratio method for performing biochemical calculations, this fully updated text encourages scientists to learn, rather than memorize, the processes involved by developing their mathematical logic and problem solving skills. The book's user-friendly style requires no advanced knowledge of mathematics. Featuring new solved problems, useful comments, and mathematical hints, this edition also introduces three new chapters on calculations related to experimental biochemistry, molecular biology, and pharmacy. It also includes a supplementary CD with additional questions and answers.

CRC Press  
November 2007:192  
Hb: 978-1-138-40702-2: £180  
Pb: 978-1-420-05357-9: £47.99  
eBook: 978-0-429-14218-5

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## Introduction to Bioorganic Chemistry and Chemical Biology



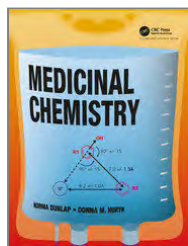
David Van Vranken, Gregory A. Weiss

This textbook uniquely blends the modern tools of organic chemistry with concepts of biology, physiology, and medicine. With a focus on human cell biology and using a problems-driven approach, the text explains the combinatorial architecture of bioligomers (genes, DNA, RNA, proteins, glycans, lipids, and terpenes) as the molecular engine for life. Accentuated by descriptions of mechanistic arrow pushing and rich illustrations, organic chemistry is used to illuminate the central dogma of molecular biology. The text contains more than 300 problems to test assimilation of the material.

Garland Science  
November 2012:504  
Pb: 978-0-815-34214-4: £76.99  
eBook: 978-0-203-38109-0

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## Medicinal Chemistry



Norma K Dunlap, Donna M Huryn

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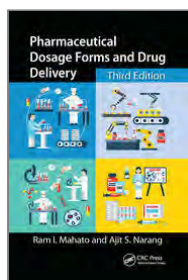
Garland Science  
April 2018:508  
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eBook: 978-1-315-10047-0

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3RD EDITION

## Pharmaceutical Dosage Forms and Drug Delivery

Revised and Expanded



Ram I. Mahato, Ajit S. Narang

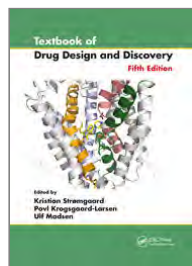
Completely revised and updated, this third edition of Pharmaceutical Dosage Forms and Drug Delivery elucidates the basic principles of pharmaceuticals, biopharmaceuticals, dosage form design, and drug delivery – including emerging new biotechnology-based treatment modalities. The authors integrate aspects of physical pharmacy, chemistry, biology, and biopharmaceutics into drug delivery.

CRC Press  
June 2022:728  
Hb: 978-1-482-25362-7: £120  
Pb: 978-1-032-33935-1: £45.99  
eBook: 978-1-315-15694-1

\* For full contents and more information, visit: [www.routledge.com/9781032339351](http://www.routledge.com/9781032339351)

5TH EDITION

## Textbook of Drug Design and Discovery



Edited by **Kristian Stromgaard, Povl Krosggaard-Larsen, Ulf Madsen**

Building on the success of the previous editions, the Textbook of Drug Design and Discovery, Fifth Edition, has been thoroughly revised and updated to provide a complete source of information on all facets of drug design and discovery for students of chemistry, pharmacy, pharmacology, biochemistry, and medicine. The information is presented in an up-to-date review form with an underlying and fundamental focus on the educational aspects. Additionally, several new chapters have been added.

CRC Press

July 2022:452

Hb: 978-1-498-70278-2: £120

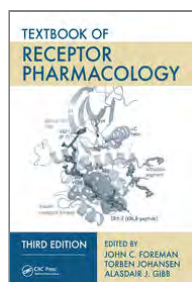
Pb: 978-1-032-33994-8: £49.99

eBook: 978-1-315-37181-8

\* For full contents and more information, visit: [www.routledge.com/9781032339948](http://www.routledge.com/9781032339948)

3RD EDITION

## Textbook of Receptor Pharmacology



Edited by **John C. Foreman, Torben Johansen, Alasdair J. Gibb**

Originating from a renowned course on receptor pharmacology, this text presents in-depth coverage of this rapidly expanding research area. The book combines current understanding of classical quantitative pharmacology and drug-receptor interactions with the basics of receptor structure and signal transduction mechanisms. It focuses on molecular investigation of receptor structure, quantitative functional studies of agonists and antagonists, ligand binding, and signal transduction at the cell membrane. This edition includes updated chapters on receptor structure and signal transduction by G-proteins and tyrosine kinases as well as enhancements to the quantitative treatment of drug-receptor

CRC Press

June 2021:312

Hb: 978-1-420-05254-1: £135

Pb: 978-1-032-09937-8: £45.99

eBook: 978-0-429-14730-2

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<b>C.</b> .....	
Chemistry and Pharmacology of Anticancer Drugs	3
<b>D.</b> .....	
Drug Delivery . . . . .	3
<b>F.</b> .....	
Fundamentals of Biochemical Calculations . . . . .	3
<b>I.</b> .....	
Introduction to Bioorganic Chemistry and Chemical Biology . . . . .	3
<b>M.</b> .....	
Medicinal Chemistry . . . . .	2
Medicinal Chemistry . . . . .	3
<b>P.</b> .....	
Pharmaceutical Dosage Forms and Drug Delivery .3	
<b>T.</b> .....	
Textbook of Drug Design and Discovery . . . . .	4
Textbook of Receptor Pharmacology . . . . .	4

<b>D.</b> .....	
Dunlap, Huryñ. ....	2
Dunlap, Huryñ. ....	3
<b>F.</b> .....	
Foreman, Johansen, Gibb. ....	4
<b>H.</b> .....	
Hillery, Park. ....	3
<b>M.</b> .....	
Mahato, Narang. ....	3
Moorthy. ....	3
<b>S.</b> .....	
Stromgaard, Krogsgaard-Larsen, Madsen. ....	4
<b>T.</b> .....	
Thurston, Pysz. ....	3
<b>V.</b> .....	
Van Vranken, Weiss. ....	3





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