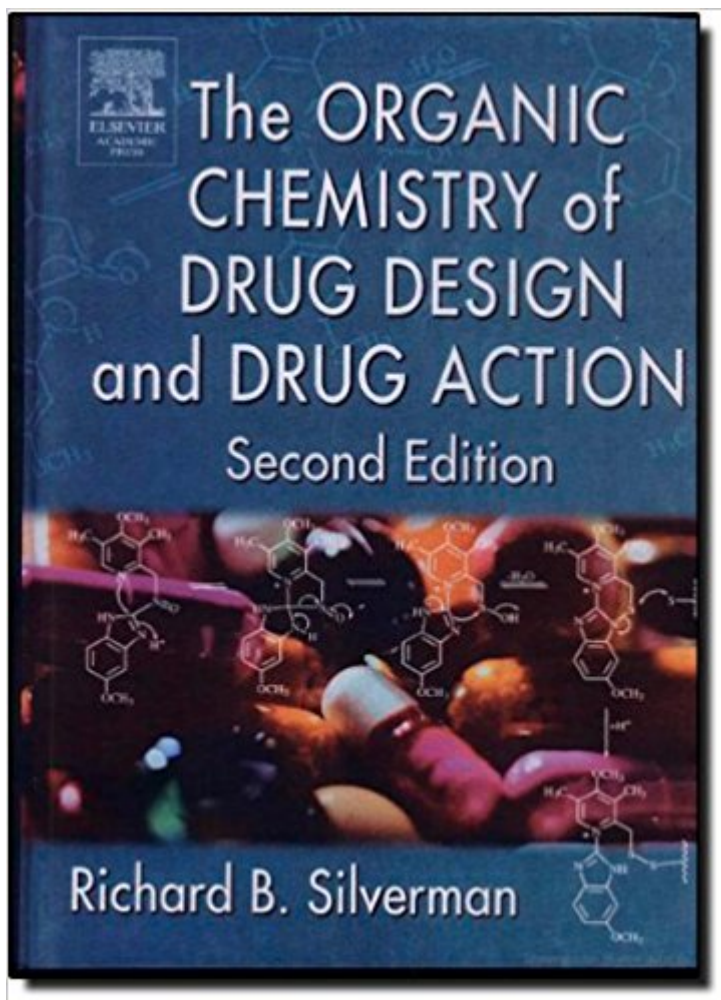




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The Organic Chemistry Of Drug Design And Drug Action, Second Edition



Synopsis

Standard medicinal chemistry courses and texts are organized by classes of drugs with an emphasis on descriptions of their biological and pharmacological effects. This book represents a new approach based on physical organic chemical principles and reaction mechanisms that allow the reader to extrapolate to many related classes of drug molecules. The Second Edition reflects the significant changes in the drug industry over the past decade, and includes chapter problems and other elements that make the book more useful for course instruction. New edition includes new chapter problems and exercises to help students learn, plus extensive references and illustrations. Clearly presents an organic chemist's perspective of how drugs are designed and function, incorporating the extensive changes in the drug industry over the past ten years. Well-respected author has published over 200 articles, earned 21 patents, and invented a drug that is under consideration for commercialization.

Book Information

Hardcover: 617 pages

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Average Customer Review: 4.5 out of 5 stars 12 customer reviews

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Customer Reviews

"...this text is directed towards graduates who are embarking on a career in medicinal chemistry in the discovery laboratory. Silverman continues to blur the edges between chemistry and pharmacology in a manner that is incontrovertibly relevant to the discipline of drug design and development." --Michael E. Cooper, GE Healthcare, The Maynard Centre, in DDT, VOL. 9, 2004

"What stands out in comparison with other books discussed here is that the subjects are generally addressed in detail, and each theoretical point is illustrated with examples of specific drugs. A great

deal of knowledge is reflected...that is suitable for both advanced students and PhDs a like who have not yet become acquainted with the area, but who wish to prepare themselves for a career in drug research." --ORGANIC CHEMISTRY ORG., 2005 Praise for the First Edition: "This book is a tour de force in the title area...This book would be appropriate for advanced undergraduate students and graduate students...strongly recommended to scientists who are seeking an efficient introduction to medicinal chemistry, background in a specific drug principle or category, or a dose of inspiration." --JOURNAL OF THE AMERICAN CHEMICAL SOCIETY "... unified, well-organized and clearly presented ...It is so clearly written that it will be of value to both students and veteran scientists...My congratulations to Dr. Silverman in consolidating such a multiplicity of facts and data so as to truly begin to reduce medicinal chemistry from a hybrid of chemistry, pharmacology and related sciences to a single, clearly defined, rationalized discipline." --Carl Kaiser, Director of Medicinal Chemistry, NOVA PHARMACEUTICAL CORPORATION "The author shows an uncanny ability to present the salient principles in a systematic, well-balanced and logical way..." --William C. Groutas, WICHITA STATE UNIVERSITY "I was favorably impressed with the clarity of Dr. Silverman's writing style which made the material interesting and easy to read...Treatment of the material is quite comprehensive without being overly detailed and the referencing and illustrations are well chosen..." --John G. Topliss, PARKE-DAVIS "...The organization of this book and the clarity of presentation are outstanding... It is highly recommended to medicinal chemists as well as to all others entering into the field or concerned with the science of medicinal chemistry." --JOURNAL OF MEDICINAL CHEMISTRY Praise for the new edition: "...intent of the first edition was to provide a textbook for advanced undergraduate students or graduate students, the scope of the second edition has been expanded so that it not only serves the original purpose but also serves as an excellent reference book for practicing medicinal chemists." --John W. Ellingboe, Wyeth Research for the Journal of Medicinal Chemistry, 2004 "...this book is a thorough overview of drug discovery and development... It is not only an excellent textbook for students but also a valuable resource for those already practicing medicinal chemistry." --John W. Ellingboe, Wyeth Research for the Journal of Medicinal Chemistry, 2004

The long-awaited revision of this classic bestseller!

Came in great condition. A pretty dense book but hey :)

it is just what required for my course, and it covers most of my lectures, highly recommended for

medical chemistry students

really informal and with a welth of detal on many diferent forms of chemistry used in the many advancing areas of drug design.

I think this is a great book. The concepts are easy to understand and the illustrations are helpful. reads like most other chemistry books.

For an advanced text the author makes the comprehension of the material manifestly manageable and attainable. The wealth and body of knowlege of organic chemistry must be taken by the reins and commanded out of necessity for its pressentation. It is self-evident that this Herculean effort resulted in a brilliant and clear distillation of theory and applicaiton in the author's text.

It's for school. Covers a lot of information with regards to drug design and it's fairly thorough. That being said, I don't particularly read my textbooks very often, so if you want it for fun, don't take just my word on it.

Received my book with no marks of anything! I looked like it was untouched! Exactly what I was looking for.

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