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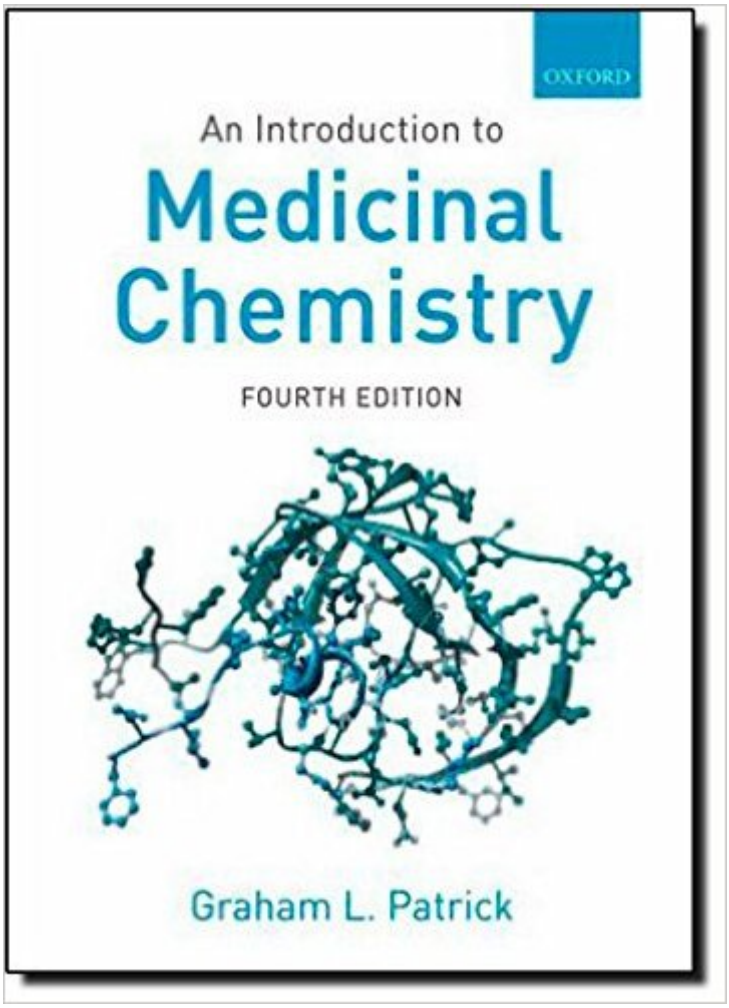
An Introduction To Medicinal Chemistry



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Synopsis

The average person in the UK will take more than 14,000 pills over the course of their life, yet few people consider the long road of development that has made that drug work without being toxic. An Introduction to Medicinal Chemistry presents the field in an engaging style that is very accessible to students. Medicinal chemistry is a fast-moving field whose continuous new developments have far-reaching implications for world health. As such, this text presents a complete course in medicinal chemistry, from first principles of drug action, to design and development, to specific drugs from HIV inhibitors to painkillers. The book builds on the history of drug development, but does not assume much background knowledge. The focus is on building upon the understandings of the molecular function of drugs, and from there, taking a broad overview of the topical issues and most frequently used techniques. An Introduction to Medicinal Chemistry remains a leading text for the growing number of medicinal chemistry courses internationally, especially as modules in medical chemistry become a more popular option on chemistry courses. With enhanced attention to the pedagogical details such as key points and boxes, as well as having specific case studies highlighted in distinct sections, Patrick's new edition enables a full understanding of the subject and a clear idea of where the field is heading.

Book Information

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Customer Reviews

This book is good in the sense that it is an easy read for anyone interested in the subject. The drawings and cartoons provide a bit of humor to the text and the writing is cloear and focused. The

only drawback to the book is that the layperson does not get the full effect of the book without a very good grasp of biochemistry (hence the term layperson!). To get the real scope of the book, one would need to read a good Biochem text (I personally suggest Lehninger, et. al. Principles of Biochemistry, 3rd ed.). A good pharmacological text would greatly enhance the reader's understanding of the subject as well (i.e. Goodman and Gilman's). Otherwise, the book does give a very brief, very good overview of many aspects of Medicinal Chemistry.

I have never written a review before but this book has become a fixture in my life. It has become dog eared, marked up, highlighted, underlined - the works. To put this in perspective, I have a background and degree in computer science and am in a PhD program doing computational drug design. I had enough undergrad premed to be dangerous and to follow discussions, but my true strength was on the computational side. I bought this book to help me pick up my chemistry and biochemistry and, with all due humility, it worked like a charm. The explanations are clear and beautiful and, if you like this stuff, it's a page turner. Seriously. Yes, it is an introductory text. But man is it a good one. From here I have been able to move on to other graduate texts, contribute equally in my lab on the biochem front, and even had the opportunity to ask some questions of Christopher Lipinski (of Rule of Five fame) at a conference without embarrassing myself. If you are relatively new to drug design or medicinal chemistry or pharmacology and want to come up to speed quickly, and have at least, say, AP high school chemistry or maybe undergrad chemistry, particularly with at least one organic chem class, BUY THIS BOOK. I cannot say it enough. If you are in a position similar to mine, this book is outstanding. In the context of my degree program, maybe even life changing. The single best academic purchase I've made. Sorry to come off like a fan boy, but this book earned it. It's that good.

Bought the third edition for a class and I didnt even need this one but since I read the last edition I knew this would be good as well. So far I have not been disappointed and there is a good deal of information that was not in the last edition. This book is highly recommended.

This book provide a great read understanding the basic foundation to the process of making medicine/drug. I appreciate the amount of effort the author has put into making this textbook enjoyable to read.

I am glad I bought this book. It is helpful in my understanding of medicinal chemistry. I would

recommend this book and service to another student.

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