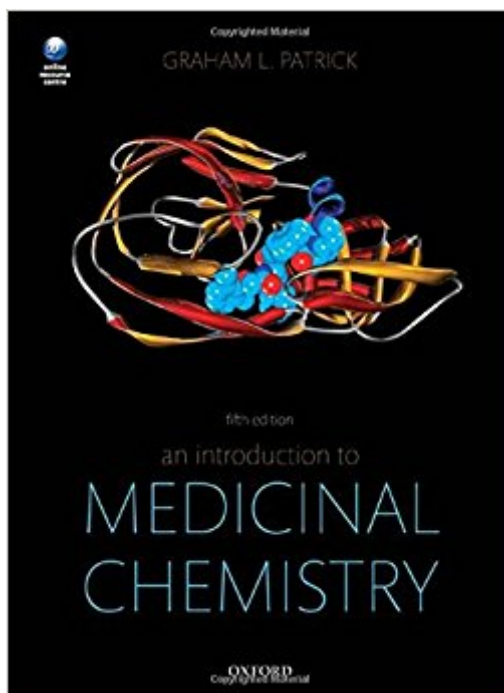


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# An Introduction To Medicinal Chemistry



## Synopsis

An Introduction to Medicinal Chemistry is the leading text for university courses on this subject. Renowned for being a textbook loved equally by both students and lecturers, it presents complete coverage in an accessible and engaging style. The text begins with the essential biochemistry on which an understanding of medicinal chemistry is built, introducing the structure and function of important drug targets. It then explores how drugs interact with the body and the consequences of those reactions. There is a section on general principles and strategies involved in discovering and designing new drugs, and another on useful 'tools of the trade'. The text ends with a contemporary look at specific topics within medicinal chemistry, for example, antiviral and anticancer agents; cholinergics and anticholinesterases; and antiulcer agents. Learning features throughout An Introduction to Medicinal Chemistry help to unlock this fascinating subject. A glossary helps to familiarise the language of medicinal chemistry. Boxes present in-depth material and explore how concepts are applied in practice. Key points summarise sections within chapters, providing a basis for revision, and questions at the end of chapters and on the accompanying Online Resource Centre allow the reader to test their understanding and develop molecular modelling skills. Online Resource Centre The Online Resource Centre features: For registered adopters of the book: DT Answers to end-of-chapter questions DT Figures from the book DT Power Point slides DT Test Bank questions For students: DT Multiple Choice Questions DT Web articles DT Molecular Modelling Exercises DT 3D Rotatable structures

## Book Information

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## Customer Reviews

"It is difficult to improve on an already excellent book; however, this new edition provides yet more examples and very clear explanations to reinforce the fundamentals in Medicinal Chemistry.

Patrick's style is easy to read and accessible for both undergraduate students and those studying Medicinal Chemistry at a higher level." --Dr Zoe Waller, University of East Anglia  
"Patrick's book is excellent. I always get good feedback from my students who find it informative, interesting, and readable." --Dr Alison Hill, University of Exeter

Dr. Graham Patrick gained his BSc Honours at Glasgow University, winning the McKay-Smith Prize for Chemistry. He completed his PhD with Professor Kirby and Professor Robins studying the biosynthesis of gliotoxin and related fungal metabolites. Following this, he worked in the pharmaceutical industry as a research chemist and radiochemist on a variety of projects that included topic areas such as opioids, antibacterial agents and antidepressants. His academic career has included positions at Leeds and Strathclyde Universities as well as the Australian National University. He joined the University of Paisley (now the University of the West of Scotland) in 1990, teaching medicinal chemistry and drug design.

This text was used in an undergraduate medical chemistry course. Overall, the text is excellent at explaining the development and testing process used in the medical industry to bring new drugs to the market. If you do not have a good background in organic chemistry and possibly biochemistry, I do not recommend purchasing until you have a good understanding of the general concepts within these fields/subjects. The best way to really understand the development process is to see journal articles and other published research to get a feel for how and why certain experiments are performed and understand the FDA approval process. This book provides a good introduction but outside sources similar to described above will greatly supplement this text.

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.

You couldn't find a better book in medicinal chemistry. It contains basic concepts but at the same time is very detailed with wonderful examples. The writing is extremely lucid and enjoyable

great book, every one should read it. explains the subject in a clear easy to understand manner. love the book.

Excellent Text. Exactly what you need. Great diagrams.

Received as fast as I expected it and in good quality

Useful book for somebody who is not already in the field or somebody who wants to get involved. Well written.

I like the way this book is organized. Interesting to read, full of the information you want to know about med chem

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