



An Introduction to Medicinal Chemistry

By Graham L. Patrick

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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.

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Editorial Review

Review

"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

About the Author

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.

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