

Statistics show that out of five thousand compounds with initial promise, five will go into human clinical trials, and only one will become an approved drug. This tiny fraction illustrates the huge complexities involved in bringing a drug to market, a process that brings together scientific research, medical ethics, business, and various regulatory agencies.

Drugs-From Discovery to Approval presents a clear, step-by-step overview of the entire process. Using simple language, this comprehensive guide introduces basic concepts, then moves on to discuss disease target selection and the discovery processes for both small and large molecule drugs. Subsequent chapters explain preclinical studies, clinical trials, regulatory issues, good manufacturing practices (GMPs), and perspectives on the future. Coverage also includes:

- * A helpful listing of current FDA and European guidelines
- * A special section on regulatory authorities and processes in Japan and China
- * Rich illustrations throughout, including more than ninety figures and tables
- * Useful appendices on the history of drug discovery and development
- * Representative examples of drug mechanisms in action

Written for professionals in the pharmaceutical industry, and readily accessible for students of pharmacy or medicine and others interested in drug discovery, Drugs-From Discovery to Approval represents a practical and approachable reference on this important process.

Review

"...an exciting and novel text...excellent and essential text..." (Journal of Chemical Technology and Biotechnology, Vol. 80 (8), August 2005)

"...an exciting and novel text ...provides a concise, yet comprehensive survey of the entire drug development process." (Journal of Chemical Technology and Biotechnology, 2005; Vol. 80, 964-965)

"...a practical reference source on this important process." (Journal of the National Medical Association, Vol.97, No.3, March 2005)

"...this book is appealing...the information...should provide a greater understanding of social and ethical concerns regarding modern medications in a complex world." (Journal of Pharmacy Technology, November/ December 2004)

"...a concise guide to the subject...readable and clearly written...can be recommended for the general reader..." (Pharmaceutical Journal, 24 April 2004)

