

Review of Lead Generation Approaches in Drug Discovery

Lead Generation Approaches in Drug Discovery. Edited by Z. Rankovic and R. Morphy (Schering Plough Corporation). John Wiley & Sons, Inc.: Hoboken, NJ, USA, 2010. xi + 295 pp. 6 × 9 in. \$99.95. ISBN 978-0-470-25761-6.

This is a well-written, eminently readable treatise on all the key aspects of modern drug lead discovery. After an introductory chapter outlining the process of lead discovery, each of the next seven chapters explores one phase of the lead discovery process in detail, using current and historic examples to illustrate key points: high throughput and in silico screening, fragment-based lead discovery, de novo drug design, design of multitarget ligands, early screening of ADMET properties, and an extensive chapter on the role of natural products in drug discovery, the value of which is reinforced in other chapters in the book. The final chapter emphasizes the central role that chemistry plays in the lead discovery process.

This book is concise, but thorough, informative, and well referenced. It will be a valuable tutorial for any natural products researcher engaged in drug discovery efforts and will provide useful insight to students and postdoctoral researchers who anticipate a career in pharmaceutical discovery and development.

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■ AUTHOR INFORMATION

Notes

The authors declare no competing financial interest.