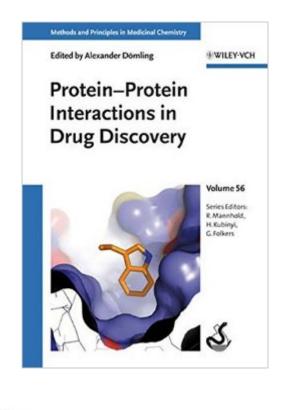
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Protein-Protein Interactions In Drug Discovery, Volume 56





Synopsis

Treating protein-protein interactions as a novel and highly promising class of drug targets, this volume introduces the underlying strategies step by step, from the biology of PPIs to biophysical and computational methods for their investigation. The main part of the book describes examples of protein targets for which small molecule modulators have been developed, covering such diverse fields as cancer, autoimmune disorders and infectious diseases. Tailor-made for the practicing medicinal chemist, this ready reference includes a wide selection of case studies taken straight from the development pipeline of major pharmaceutical companies to illustrate the power and potential of this approach. From the contents: * Prediction of intra- and inter-species protein-protein interactions: The importance of Three-Dimensionality * Interactive technologies for leveraging the known chemistry of anchor residues * SH3 Domains as Drug Targets * P53 MDM2 Antagonists: Towards Non Genotoxic Anticancer Treatments * Inhibition of LFA-1/ICAM interaction for treatment of autoimmune diseases * The PIF-binding pocket of AGC kinases * Peptidic inhibitors of protein-protein interactions for cell adhesion receptors * The REPLACE Strategy for generating Non-ATP competitive Inhibitors of Cell-Cycle Protein Kinases and more

Book Information

Hardcover: 334 pages Publisher: Wiley-VCH; 1 edition (March 4, 2013) Language: English ISBN-10: 3527331077 ISBN-13: 978-3527331079 Product Dimensions: 6.9 x 0.9 x 9.8 inches Shipping Weight: 1.9 pounds (View shipping rates and policies) Average Customer Review: Be the first to review this item Best Sellers Rank: #3,449,242 in Books (See Top 100 in Books) #82 in Books > Medical Books > Pharmacology > Product Development #2046 in Books > Textbooks > Medicine & Health Sciences > Allied Health Services > Pharmacy #2731 in Books > Textbooks > Medicine & Health Sciences > Medicine > Basic Sciences > Pharmacology

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