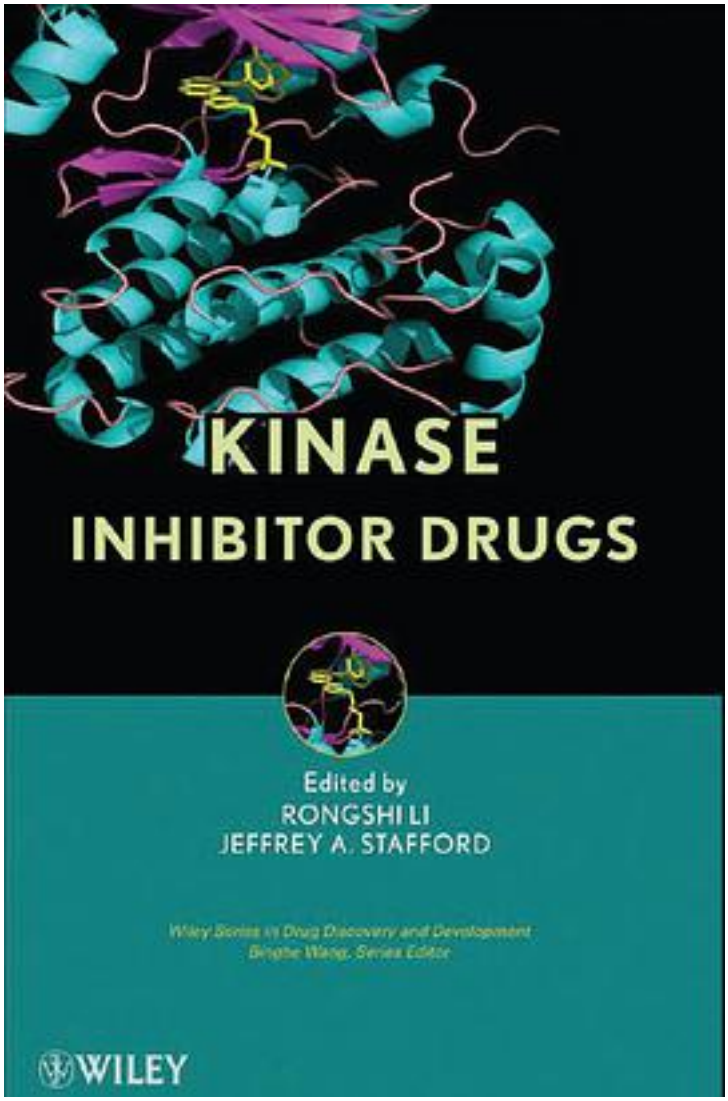
Kinase Inhibitor Drugs



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著者:Li, Rongshi (EDT)/ Stafford, Jeffrey A. (EDT)

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A comprehensive resource on case studies of marketed kinase drugs and promising drug trials Since the discovery of protein kinase activity in 1954, the field of protein kinase drug discovery has advanced dramatically. With the ongoing clinical success of the Bcr-Abl kinase inhibitor Gleevec in the treatment of chronic myelogenous leukemia and seven additional marketed kinase inhibitor drugs, researchers have compelling evidence that kinase inhibitors can be highly efficacious in the treatment of diseases caused by aberrant activity of protein kinase. Currently more than 100 protein kinase inhibitors are in clinical development. In one comprehensive volume, the editors, Dr. Rongshi Li and Dr. Jeffrey Stafford, present timely and important case studies of marketed kinase drugs and several of the most advanced kinase inhibitors in clinical trials. Kinase Inhibitor Drugs includes: Case studies from leading investigators and experts in the field that provide firsthand accounts of kinase inhibitor discovery Current thinking on kinase structure, biochemistry, and signal transduction pathways Information on state-of-the-art technologies and tools such as structure-based and fragment-based drug discovery A lineup of clinical-phase growth factor receptor inhibitors Inhibitors of cell cycle kinases The discovery of allosteric inhibitors of MEK kinase Information on pharmacogenomics and its application to kinase inhibitor clinical development

作者介绍:

目录: Part1 VEGFR, EGFR inhibitors
Part2 MEK, ERK, PLK inhibitors
Part3 cheminformatics in kinase inhibitors design
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标签

评论

读完这本书，基本上ATP竞争型抑制剂的设计方法就会了。不过变构抑制剂还是需要运气

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书评

激酶这个领域在过去的十几年间是当之无愧的热门，有不少上市药物诞生。不过设计方法上面并没有什么突破性的创造。本书其实是一本非常不错的临床以及上市激酶抑制剂的项目总结报告。我的感受是，读完这本书，基本上对于ATP竞争型激酶抑制剂，你应当有足够的技术去设计了。至于变...

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