
List of Contents

Protein Kinase Inhibitors for the Treatment of Disease: The Promise and the Problems	1
<i>P. Cohen</i>	

Part I. General Aspects of PKs Inhibition

New Design Strategies for Ligands That Target Protein Kinase-Mediated Protein-Protein Interactions	11
<i>D.S. Lawrence</i>	

Part II. Pharmacological Potential and Inhibitors of Individual Classes of Protein Kinases

The Paullones: A Family of Pharmacological Inhibitors of Cyclin-Dependent Kinases and Glycogen Synthase Kinase 3	47
<i>L. Meijer, M. Leost, O. Lozach, S. Schmitt, C. Kunick</i>	
Pharmacological Potential of p38 MAPK Inhibitors	65
<i>S. Kumar, S.M. Blake</i>	
Inhibitors of PKA and Related Protein Kinases	85
<i>M. Gafsel, C. Breitenlechner, S. Herrero, R. Engh, D. Bossemeyer</i>	
Inhibitors of Protein Kinase CK2: Structural Aspects	125
<i>R. Battistutta, S. Sarno, G. Zanotti</i>	
Aminoglycoside Kinases and Antibiotic Resistance.....	157
<i>D.H. Fong, D.L. Burk, A.M. Berghuis</i>	

Part III. Pharmacological Potential and Inhibitors of Individual Classes of Protein Phosphatases

Protein Tyrosine Phosphatases as Therapeutic Targets.....	191
<i>A. Cheng, N. Uetani, C. Lampron, M.L. Tremblay</i>	

Structure-Based Design of Protein Tyrosine Phosphatase Inhibitors	215
<i>N.P.H. Møller, H.S. Andersen, C.B. Jeppesen, L.F. Iversen</i>	
Biological Validation of the CD45 Tyrosine Phosphatase as a Pharmaceutical Target	263
<i>D.R. Alexander</i>	
Serine/Threonine Protein Phosphatase Inhibitors with Antitumor Activity ..	295
<i>R.E. Honkanen</i>	

Part IV. Inhibitors in Clinical Use or Advanced Clinical Trials

Clinical Immunosuppression using the Calcineurin-Inhibitors Ciclosporin and Tacrolimus	321
<i>N.R. Banner, H. Lyster, M.H. Yacoub</i>	
Targeted Therapy with Imatinib: An Exception or a Rule?	361
<i>D. Fabbro, G. Fendrich, V. Guez, T. Meyer, P. Furet, J. Mestan, J.D. Griffin, P.W. Manley, S.W. Cowan-Jacob</i>	
Clinical Aspects of Imatinib Therapy	391
<i>B.J. Druker</i>	
Isoquinolinesulfonamide: A Specific Inhibitor of Rho-Kinase and the Clinical Aspect of Anti-Rho-Kinase Therapy	411
<i>H. Hidaka, Y. Suzuki, M. Shibuya, Y. Sasaki</i>	
Discovery and Development of Iressa: The First in a New Class of Drugs Targeted at the Epidermal Growth Factor Receptor Tyrosine Kinase.....	433
<i>A.E. Wakeling</i>	
Subject Index	451