

Special Issue

Protein Kinase Inhibitors for Targeted Anticancer Therapies, 2nd Edition

Message from the Guest Editor

Dear Colleague, Protein kinase inhibitors are one of the most promising groups of drugs for targeted therapies. According to the latest data, 62 small-molecule protein kinase inhibitors have been approved by the Federal Drug Administration (FDA) (37 in the last 5 years), while at least 150 are currently being investigated in clinical trials. This is primarily due to a better understanding of the complex signaling network formed by kinases and their mutual relationships in signal transduction cascades. However, despite the growing number of inhibitors, many limitations remain in this field. The development of resistance based on intrinsic and extrinsic pathways, genomic alterations of the primary target, and a short response to targeted therapies due to the activation of compensatory signaling pathways are among the main issues. The aim of this Special Issue is to highlight original research papers and review articles that provide new insights into the discovery of novel protein kinase inhibitors, as well as their application in targeted cancer therapies.

Guest Editor

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