

# Thieno[2,3-d]pyrimidine based derivatives as kinase inhibitors and anticancer agents,

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## **Abstract**

Thienopyrimidines are fused heterocyclic ring systems; structurally resemble purines, exerting pharmacological potential in different aspects. They are known to play a crucial role in various disease conditions. Thieno[2,3-d]pyrimidine derivatives have been explored for their inhibitory activities towards various protein kinase enzymes. The present review is a compilation on chemical synthesis and biological anticancer significance, via inhibition of specific protein kinase enzymes, including structure activity relationships of thieno[2,3-d]pyrimidines derivatives reported to date.

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