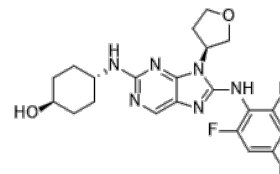


Product Name : Tanzisertib
Cat. No. : PC-27738
CAS No. : 899805-25-5
Molecular Formula : C₂₁H₂₃F₃N₆O₂
Molecular Weight : 448.45
Target : JNK
Solubility : 10 mM in DMSO



Biological Activity

Tanzisertib (CC-930) is a potent, selective, ATP-competitive and orally active c-Jun N-terminal kinase (**JNK**) inhibitor with IC₅₀ of 61/5/5 nM for **JNK1/2/3** respectively.

Tanzisertib (CC-930) is selective against MAP kinases ERK1 and p38α with IC₅₀ of 0.48 and 3.4 μM respectively.

Tanzisertib (CC-930) has K_i values of 44 nM and 6.2 nM for JNK1 and JNK2 respectively.

Tanzisertib (CC-930) inhibits the formation of phospho-cJun in human PBMC stimulated by phorbol-12-myristate-13-acetate and phytohemagglutinin (IC₅₀=1 μM).

Tanzisertib (CC-930) shows remarkable selectivity in a panel of 240 kinases, EGFR being the only non-MAP kinase inhibited more than 50% at 3 μM (IC₅₀ = 0.38 μM).

Tanzisertib (CC-930) inhibited the production of TNFα by 23% and 77% at 10 and 30 mg/kg oral dose respectively in acute rat LPS-induced TNFα production PK-PD model.

References

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Caution: Product has not been fully validated for medical applications. Lab Use Only!

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