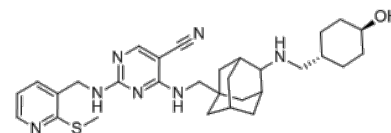


Product Name : AS2521780
Cat. No. : PC-60994
CAS No. : 1214726-89-2
Molecular Formula : C₃₀H₄₁N₇OS
Molecular Weight : 547.766
Target : PKC
Solubility : 10 mM in DMSO



Biological Activity

AS2521780 is a potent, selective, orally bioavailable **PKCθ** inhibitor that inhibits recombinant human PKCθ enzyme with IC₅₀ of 0.48 nM, >30-fold higher than other PKC isoforms.

AS2521780 also displays >100-fold selectivity over a panel of 27 protein kinases (100-fold over CDK2, IC₅₀=84 nM).

AS2521780 suppresses CD3/CD28-induced IL-2 gene transcription (IC₅₀=14 nM) in Jurkat T cells and proliferation of human primary T cells (IC₅₀=17 nM).

AS2521780 also suppresses concanavalin A-induced cytokine production by rat splenocytes and monkey PBMCs with similar potency.

AS2521780 potentially ameliorate T cell-mediated autoimmune diseases in vivo models.

References

Fukahori H, et al. *Eur J Pharmacol.* 2014 Dec 15;745:217-22.

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

E-mail: tech@probechem.com