

Product Name : AS2521780

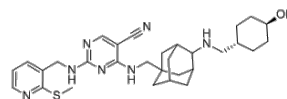
Synonyms : AS 2521780;AS-2521780

Cat No. : M10801

CAS Number : 1214726-89-2

Molecular Formula : C30H41N7OS

Formula Weight : 547.77



Chemical Name : 4-({[(1R,3R,4S,5S)-4-[(trans-4-hydroxycyclohexyl)methyl]amino]adamantan-1-yl)methyl}amino)-2-({[2-(methylsulfonyl)pyridin-3-yl]methyl}amino)pyrimidine-5-carbonitrile

Description : AS2521780 is apotent, selective, orally bioavailable PKCθ inhibitor that inhibits combinant human PKCθ enzyme with IC50 of 0.48 nM, >30-fold higher than other PKC isoforms; also displays >100-fold selectivity over a panel of 27 protein kinases (100-fold over CDK2, IC50=84 nM); 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), also suppresses concanavalin A-induced cytokine production by rat splenocytes and monkey PBMCs with similar potency; potentially ameliorate T cell-mediated autoimmune diseases in vivo models.

Pathway : Angiogenesis

Target : PKC

Receptor : PKC

Solubility : —

SMILES : N#CC1=CN=C(NCC2=CC=CN=C2SC)N=C1NC[C@]34C[C@]5([H])[C@H](NC[C@H]6CC[C@H](O)CC6)[C@@](C4)([H])CC(C5)C3

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

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