

Product Name : CCT 068127

Synonyms : CCT68127;CCT 68127

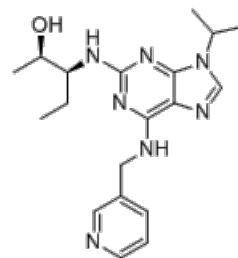
Cat No. : M15513

CAS Number : 660822-23-1

Molecular Formula : C₁₉H₂₇N₇O

Formula Weight : 369.47

Chemical Name : (2R,3S)-3-((9-Isopropyl-6-((pyridin-3-ylmethyl)amino)-9H-purin-2-yl)amino)pentan-2-ol



Description : CCT 068127 (CCT68127) is a novel potent inhibitor of CDK2 and CDK9 with IC₅₀ of 10 and 90 nM for CDK2/E and CDK9/T, respectively; also inhibits CDK5/p35, CDK2/A, CDK7/H with IC₅₀ of <1 uM, but without significant activity against ABL, AKT, CAMKII, CK2, ERK2, GSK3 etc.; causes a dramatic loss in expression of DUSP6 phosphatase, alongside elevated ERK phosphorylation and activation of MAPK pathway target genes in cancer cells.

Pathway : Angiogenesis

Target : CDK

Receptor : CDK

Solubility : —

SMILES : CC(C)[C@H](O)[C@@H](NC1=NC(NCC2=CC=CN=C2)=C3N=CN(C(C)C)C3=N1)CC

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Whittaker SR, et al. Mol Oncol. 2017 Oct 24. doi: 10.1002/1878-0261.12148.