

Product Name : Roscovitine
Synonyms : CYC-202; CYC 202; CYC202; Seliciclib

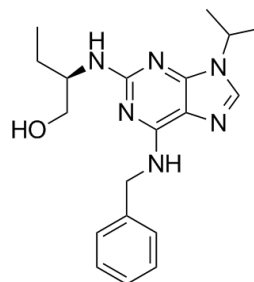
Cat No. : M12883

CAS Number : 186692-46-6

Molecular Formula : C₁₉H₂₆N₆O

Formula Weight : 354.45

Chemical Name : 1-Butanol, 2-[[9-(1-methylethyl)-6-[(phenylmethyl)amino]-9H-purin-2-yl]amino]-, (2R)-



Description : A potent and selective CDK inhibitor with IC₅₀ of 0.2 uM, 0.65 uM, and 0.7 uM for CDK5, Cdc2, and CDK2, respectively; weakly inhibits ERK1 and ERK2 (IC₅₀=34 uM and 14 uM), poorly inhibits CDK4/cyclin D1 and CDK6/cyclin D2 (IC₅₀>100 uM); suppresses the proliferation of mammalian cell lines with an average IC₅₀ of 16 uM; significantly inhibits growth of The Ewing's sarcoma family of tumors (ESFT) xenografts. Lung Cancer Phase 2 Clinical

Pathway : Angiogenesis

Target : CDK

Receptor : Cdc2/CyclinB; CDK2/CyclinA; CDK2/CyclinE; CDK5/p35; ERK2

Solubility : 10 mM in DMSO

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

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Meijer L, et al. Eur J Biochem. 1997 Jan 15;243(1-2):527-36. | 2. Tirado OM, et al. Cancer Res, 2005, 65(20), 9320-9327. | 3. Mgbonyebi OP, et al. Cancer Res. 1999 Apr 15;59(8):1903-10.