Data Sheet (Cat.No.T206571)

TargetMol

(Rac)-Roscovitine

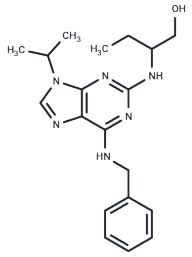
Chemical Properties

CAS No. : 186692-44-4

Formula: C19H26N6O

Molecular Weight: 354.449

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.



Biological Description

Description	(Rac)-Roscovitine ((Rac)-Seliciclib) is a selective inhibitor of cyclin-dependent kinases (CDKs). It competes with ATP for binding at the active site of CDKs, thereby inhibiting their phosphorylation activity. This compound induces apoptosis in cancer cells and holds potential for the study of conditions like cancer, neurodegenerative diseases, heart diseases, viral and protozoal infections, glomerulonephritis, and chronic inflammation, all of which are associated with CDK dysregulation.
Targets(IC50)	Apoptosis,CDK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8213 mL	14.1064 mL	28.2127 mL
5 mM	0.5643 mL	2.8213 mL	5.6425 mL
10 mM	0.2821 mL	1.4106 mL	2.8213 mL
50 mM	0.0564 mL	0.2821 mL	0.5643 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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