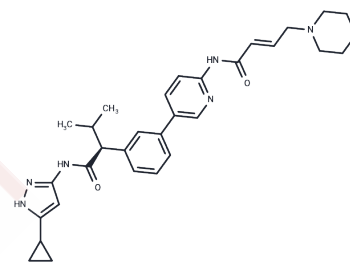


Tacaciclib

Chemical Properties

CAS No. :	2768774-66-7
Formula:	C30H36N6O3
Molecular Weight:	528.65
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	Tacaciclib is an orally bioavailable, selective inhibitor of cyclin-dependent kinase 7 (CDK7), with potential antineoplastic activity. Tacaciclib is used in cell cycle and transcriptional regulation research models focusing on CDK7-dependent phosphorylation processes, RNA polymerase II regulation, and cell cycle checkpoint control mechanisms. Tacaciclib is further applied in oncology-related experimental systems to investigate CDK7-associated transcriptional dependency in proliferative cellular states.
Targets(IC50)	CDK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8916 mL	9.4581 mL	18.9161 mL
5 mM	0.3783 mL	1.8916 mL	3.7832 mL
10 mM	0.1892 mL	0.9458 mL	1.8916 mL
50 mM	0.0378 mL	0.1892 mL	0.3783 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.

Reference

Schwab, et al. Aminopyrazole derivatives as CDK7 inhibitors for use in treating cancer. World Intellectual Property Organization, WO2023107861 A1. 2023-06-15.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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