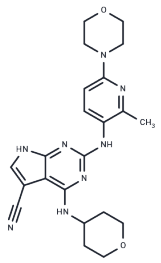
Data Sheet (Cat.No.T200142)

TargetMol

PF-7006

Chemical Properties



CAS No. : 2771955-09-8

Formula: C22H26N8O2

Molecular Weight: 434.49

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	PF-7006, an Mps1 kinase inhibitor, exhibits a Ki value of 0.27 nM and an IC50 value of 2.5 nM. It disrupts cell cycle checkpoints by inhibiting the catalytic activity of Mps1, reduces histone H3 levels, and shortens the duration of mitosis, thereby inducing apoptosis (Apoptosis) in cancer cells. When used in combination with Palbociclib, the tolerance of cancer cells to PF-7006 is enhanced. PF-7006 is applicable for research on breast cancer.
Targets(IC50)	Apoptosis,Kinesin

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3015 mL	11.5077 mL	23.0155 mL
5 mM	0.4603 mL	2.3015 mL	4.6031 mL
10 mM	0.2302 mL	1.1508 mL	2.3015 mL
50 mM	0.046 mL	0.2302 mL	0.4603 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.

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