

CDK4-IN-3

Chemical Properties

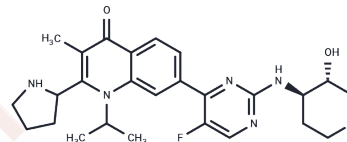
CAS No. : 3002399-75-6

Formula: C₂₆H₃₂FN₅O₃

Molecular Weight: 481.56

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	CDK4-IN-3 (Compound 389) is a highly selective irreversible inhibitor of cyclin-dependent kinase 4 (CDK4) with an IC ₅₀ of 25 nM and exhibits more than 10-fold selectivity over CDK6. It arrests the cell cycle at the G1 phase and induces apoptosis in tumor cells. CDK4-IN-3 holds potential for research in solid tumors such as breast and lung cancer.
Targets(IC ₅₀)	Apoptosis,CDK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0766 mL	10.3829 mL	20.7658 mL
5 mM	0.4153 mL	2.0766 mL	4.1532 mL
10 mM	0.2077 mL	1.0383 mL	2.0766 mL
50 mM	0.0415 mL	0.2077 mL	0.4153 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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Tel:781-999-4286

E_mail:info@targetmol.com

Address:34 Washington Street,Wellesley Hills,MA 02481