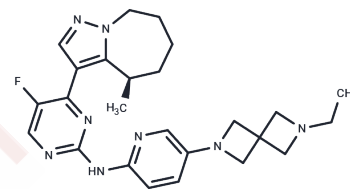


CDK4/6-IN-3

Chemical Properties

CAS No. :	2366237-37-6
Formula:	C ₂₅ H ₃₁ N ₈
Molecular Weight:	462.57
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	CDK4/6-IN-3, a brain-penetrant CDK4/CDK6 inhibitor (Kis: <0.3 nM and 2.2 nM), is used for the treatment of glioblastoma and inhibits CDK1 with a Ki of 110 nM.
Targets(IC50)	CDK
In vitro	CDK4/6-IN-3 inhibits MCF7 and BT549 cell lines proliferation (EC50s: 30 nM and 2.1 μM).

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1618 mL	10.8092 mL	21.6183 mL
5 mM	0.4324 mL	2.1618 mL	4.3237 mL
10 mM	0.2162 mL	1.0809 mL	2.1618 mL
50 mM	0.0432 mL	0.2162 mL	0.4324 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

Bronner SM, et al. Design of a brain-penetrant CDK4/6 inhibitor for glioblastoma. *Bioorg Med Chem Lett*. 2019 Aug 15;29(16):2294-2301.

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