

CDK5-IN-3

Chemical Properties

CAS No. : 2639542-32-6

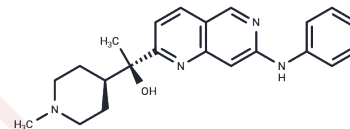
Formula: C₂₂H₂₆N₄O

Molecular Weight: 362.47

Store at low temperature

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	CDK5-IN-3 is a selective and potent CDK5 inhibitor that inhibits CDK5/p25 and CDK2/CycA and can be used in the study of cancer.
Targets(IC50)	CDK
In vitro	CDK5-IN-3 is a potent and selective CDK5 inhibitor with IC ₅₀ values of 0.6 nM and 18 nM for CDK5/p25 and CDK2/CycA, respectively. CDK5-IN-3 can be used in the study of autosomal dominant polycystic kidney disease (ADPKD). [1]

Solubility Information

Solubility	DMSO: 8 mg/mL (22.07 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7588 mL	13.7942 mL	27.5885 mL
5 mM	0.5518 mL	2.7588 mL	5.5177 mL
10 mM	0.2759 mL	1.3794 mL	2.7588 mL
50 mM	0.0552 mL	0.2759 mL	0.5518 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

Daniels MH, et al. Discovery and Optimization of Highly Selective Inhibitors of CDK5. J Med Chem. 2022 Feb 24;65(4):3575-3596.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481