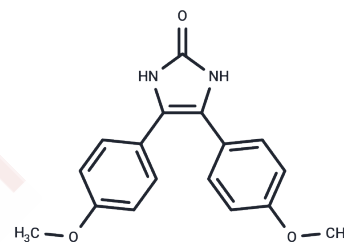


P18IN003

Chemical Properties

CAS No. : 71727-40-7
 Formula: C17H16N2O3
 Molecular Weight: 296.32
 Storage: Store at low temperature
 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	P18IN003 is a selective and effective p18(INK4C) inhibitor that inhibits the activity of p18 protein and can be used to study in vitro expansion of hematopoietic stem cells.
Targets(IC50)	Others,CDK

Solubility Information

Solubility	DMSO: 7.5 mg/mL (25.31 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3747 mL	16.8737 mL	33.7473 mL
5 mM	0.6749 mL	3.3747 mL	6.7495 mL
10 mM	0.3375 mL	1.6874 mL	3.3747 mL
50 mM	0.0675 mL	0.3375 mL	0.6749 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

- Palafox M,,et al. High p16 expression and heterozygous RB1 loss are biomarkers for CDK4/6 inhibitor resistance in ER+ breast cancer. Nat Commun. 2022 Sep 7;13(1):5258.
 Gao Y,et al. Small-molecule inhibitors targeting INK4 protein p18(INK4C) enhance ex vivo expansion of haematopoietic stem cells. Nat Commun. 2015 Feb 18;6:6328.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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