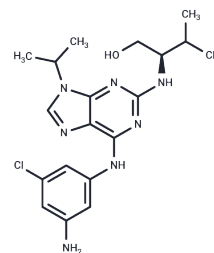


Aminopurvalanol A

Chemical Properties

CAS No. :	220792-57-4
Formula:	C ₁₉ H ₂₆ ClN ₇ O
Molecular Weight:	403.91
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	Aminopurvalanol A is a competitive, selective and cell-permeable inhibitor of cyclin-dependent kinase (CDK) that potently inhibits Cyclin A/cdk2, Cyclin B/cdk1, Cyclin E/cdk2, and P35/cdk5 with IC50 of 33 nM, 33 nM, 28 nM and 20 nM, respectively.
Targets(IC50)	Apoptosis,CDK

Solubility Information

Solubility	Ethanol: 10 mg/mL (24.76 mM),Sonication is recommended. DMSO: 55 mg/mL (136.17 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (4.95 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4758 mL	12.379 mL	24.758 mL
5 mM	0.4952 mL	2.4758 mL	4.9516 mL
10 mM	0.2476 mL	1.2379 mL	2.4758 mL
50 mM	0.0495 mL	0.2476 mL	0.4952 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

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