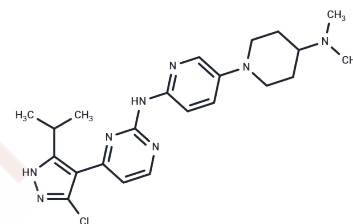


CDK4-IN-1

Chemical Properties

CAS No. :	1256963-02-6
Formula:	C ₂₂ H ₂₉ ClN ₈
Molecular Weight:	440.97
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 inhibitor is a novel and specific CDK4/Cyclin D1 inhibitor with an IC ₅₀ of 10 nM; 1500 and 500 fold than CDK1/Cyclin B (IC ₅₀ >15 μM) and CDK2/Cyclin A (IC ₅₀ =5.265 μM) respectively.
Targets(IC ₅₀)	CDK

Solubility Information

Solubility	DMSO: 10 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	2.2677 mL	11.3386 mL	22.6773 mL
5 mM	0.4535 mL	2.2677 mL	4.5355 mL
10 mM	0.2268 mL	1.1339 mL	2.2677 mL
50 mM	0.0454 mL	0.2268 mL	0.4535 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

Cho YS, et al. J Med Chem. 2010 Nov 25;53(22):7938-57.

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