

CDK4/6-IN-2

Chemical Properties

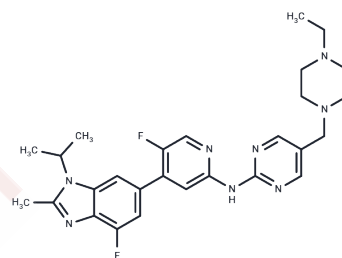
CAS No. : 1800506-48-2

Formula: C₂₇H₃₂F₂N₈

Molecular Weight: 506.59

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-2 is a potent inhibitor of CDK4 and CDK6 [IC ₅₀ s: 2.7 and 16 nM].
Targets(IC ₅₀)	CDK
In vitro	CDK4/6-IN-2 inhibits H441, H358, PC3, MV-4-11, JeKo-1, SW780, and HGC-27 cells (IC ₅₀ s: 147.8, 290.9, 260.5, 139, 36.98, 162.5, and 316.4 nM).

Solubility Information

Solubility	DMSO: < 1 mg/mL (insoluble or slightly soluble), 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	1.974 mL	9.8699 mL	19.7398 mL
5 mM	0.3948 mL	1.974 mL	3.948 mL
10 mM	0.1974 mL	0.987 mL	1.974 mL
50 mM	0.0395 mL	0.1974 mL	0.3948 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

Frank Wu, et al. Kinase inhibitor and use thereof. US20180000819A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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