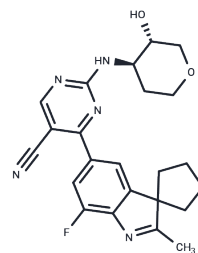


CDK4/6-IN-20

Chemical Properties

CAS No. :	3033950-84-1
Formula:	C ₂₃ H ₂₄ FN ₅ O ₂
Molecular Weight:	421.47
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-20 (Compound II-5) is an inhibitor targeting CDK4 and CDK6, exhibiting IC ₅₀ values of 1.9 and 14.2 nM, respectively. Additionally, it suppresses cell proliferation and is applicable in cancer research.
Targets(IC ₅₀)	CDK
In vitro	CDK4/6-IN-20 inhibits the proliferation of MCF7 and T47D cells, with IC ₅₀ values of 169 nM and 92 nM, respectively [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3726 mL	11.8632 mL	23.7265 mL
5 mM	0.4745 mL	2.3726 mL	4.7453 mL
10 mM	0.2373 mL	1.1863 mL	2.3726 mL
50 mM	0.0475 mL	0.2373 mL	0.4745 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

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