

## CDK4/6/HDAC-IN-1

### Chemical Properties

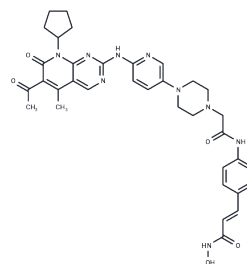
CAS No. :

Formula: C35H39N9O5

Molecular Weight: 665.742

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/HDAC-IN-1 (Compound N14) is a dual-target inhibitor of CDK4/6 and HDAC, with IC50 values of 7.23 nM for CDK4, 13.20 nM for CDK6, 55.66 nM for HDAC1, and 48.38 nM for HDAC6. It induces apoptosis and G0/G1 phase arrest through the HDAC-p21-CDK signaling pathway and can inhibit hepatocellular carcinoma.
Targets(IC50)	Apoptosis,HDAC,CDK

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5021 mL	7.5104 mL	15.0209 mL
5 mM	0.3004 mL	1.5021 mL	3.0042 mL
10 mM	0.1502 mL	0.751 mL	1.5021 mL
50 mM	0.030 mL	0.1502 mL	0.3004 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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