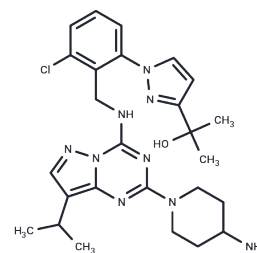


CDK7-IN-6

Chemical Properties

CAS No. :	2378710-04-2
Formula:	C ₂₆ H ₃₄ ClN ₉ O
Molecular Weight:	524.07
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	CDK7-IN-6 is a highly effective and specific inhibitor ($IC_{50} \leq 100$ nM) of cyclin-dependent kinase 7 (CDK7). It showcases remarkable selectivity, with more than a 200-fold preference for CDK7 over CDK1, CDK2, and CDK5. This compound holds significant potential for cancer research purposes.
Targets(IC_{50})	Others,CDK
In vitro	CDK7-IN-6 effectively suppresses cell viability in various cancer cell lines, including HCT116, H460, MV4-11, A2780, and OVCAR cells, demonstrating potent inhibition ($IC_{50} \leq 1$ μ M)[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9081 mL	9.5407 mL	19.0814 mL
5 mM	0.3816 mL	1.9081 mL	3.8163 mL
10 mM	0.1908 mL	0.9541 mL	1.9081 mL
50 mM	0.0382 mL	0.1908 mL	0.3816 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

Kiyeon NAM, et al.Preparation of pyrazolotriazine and/or pyrazolopyrimidine derivatives as selective inhibitor of cyclin dependent kinase. WO2019197549 A1.

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