

DNA-PK-IN-12

Chemical Properties

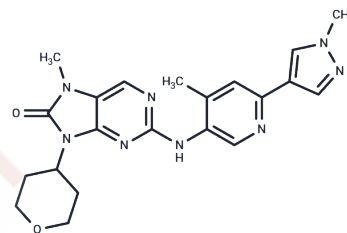
CAS No. : 2792146-91-7

Formula: C₂₁H₂₄N₈O₂

Molecular Weight: 420.47

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	DNA-PK-IN-12 (compound 31t), an orally active inhibitor of DNA-PK, demonstrates potent inhibition with an IC ₅₀ of 0.1 nM. It effectively impedes Hct116 cell growth and colony formation, displaying an IC ₅₀ of 33.28 μM, and exhibits antitumor activity in vivo [1].
Targets(IC ₅₀)	DNA-PK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3783 mL	11.8915 mL	23.7829 mL
5 mM	0.4757 mL	2.3783 mL	4.7566 mL
10 mM	0.2378 mL	1.1891 mL	2.3783 mL
50 mM	0.0476 mL	0.2378 mL	0.4757 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

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Tel:781-999-4286

E_mail:info@targetmol.com

Address:34 Washington Street,Wellesley Hills,MA 02481