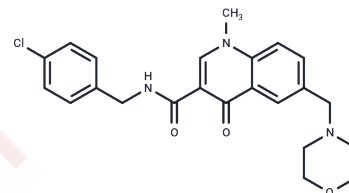


PNU-183792

## Chemical Properties

CAS No. : 282536-25-8  
 Formula: C<sub>23</sub>H<sub>24</sub>ClN<sub>3</sub>O<sub>3</sub>  
 Molecular Weight: 425.91  
 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	PNU-183792 is a 4-oxo-1,4-dihydroquinoline that acts as an orally active inhibitor of herpesvirus polymerases (HSV polymerases). It exhibits broad-spectrum antiviral activity, with IC <sub>50</sub> values of 0.69 μM for human cytomegalovirus (HCM), 0.37 μM for varicella-zoster virus, and 0.58 μM for herpes simplex virus (HSV) polymerase. PNU-183792 shows no activity against human α, γ, and δ polymerases but inhibits simian varicella virus (SVV), murine cytomegalovirus (MCMV), and rat cytomegalovirus (RCMV).
Targets(IC <sub>50</sub> )	HSV

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3479 mL	11.7396 mL	23.4791 mL
5 mM	0.4696 mL	2.3479 mL	4.6958 mL
10 mM	0.2348 mL	1.174 mL	2.3479 mL
50 mM	0.047 mL	0.2348 mL	0.4696 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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