

ATV03

## Chemical Properties

CAS No. :

Formula: C<sub>24</sub>H<sub>20</sub>FN<sub>3</sub>O<sub>5</sub>

Molecular Weight: 449.43

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	ATV03 is an antiviral agent exhibiting potent activity against both type A and type B influenza viruses. It inhibits the type A (H3N2) and type B influenza viruses with EC <sub>50</sub> values of 0.78 nM and 2.02 nM, respectively. The mechanism of action of ATV03 involves the inhibition of the polymerase acidic protein (PA) and RNA-dependent RNA polymerase (RdRp), as well as the disruption of nucleoprotein, thereby exerting its antiviral effects against influenza.
Targets(IC <sub>50</sub> )	Influenza Virus

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.225 mL	11.1252 mL	22.2504 mL
5 mM	0.445 mL	2.225 mL	4.4501 mL
10 mM	0.2225 mL	1.1125 mL	2.225 mL
50 mM	0.0445 mL	0.2225 mL	0.445 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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