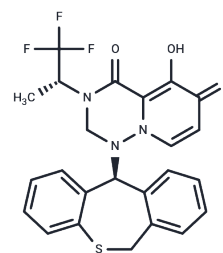


RO-7

## Chemical Properties

CAS No. : 1370241-45-4  
 Formula: C<sub>24</sub>H<sub>20</sub>F<sub>3</sub>N<sub>3</sub>O<sub>3</sub>S  
 Molecular Weight: 487.49  
 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	RO-7 is a next-generation polymerase (PA) endonuclease inhibitor of influenza A and B viruses.
Targets(IC50)	Others, Influenza Virus
In vitro	RO-7 is a potent inhibitor of influenza virus replication and belongs to a new class of drugs in late-stage clinical trials with treatment of influenza virus infection, with anti-influenza activity in vitro and protects mice from lethal challenge with both influenza A and B viruses.
In vivo	RO-7 keeps mice from lethal challenge with both influenza A and B viruses.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0513 mL	10.2566 mL	20.5132 mL
5 mM	0.4103 mL	2.0513 mL	4.1026 mL
10 mM	0.2051 mL	1.0257 mL	2.0513 mL
50 mM	0.041 mL	0.2051 mL	0.4103 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

Jones JC, et al. Identification of the I38T PA Substitution as a Resistance Marker for Next-Generation Influenza Virus Endonuclease Inhibitors. MBio. 2018 Apr 24;9(2). pii: e00430-18.

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