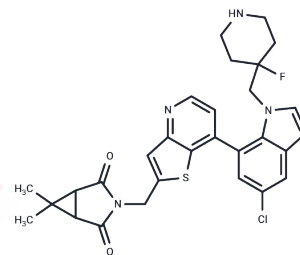


USP7-IN-12

## Chemical Properties

CAS No. : 2763698-01-5  
 Formula: C<sub>29</sub>H<sub>28</sub>ClFN<sub>4</sub>O<sub>2</sub>S  
 Molecular Weight: 551.07  
 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	USP7-IN-12 (compound 1) is a potent, orally active Usp7 inhibitor with an IC <sub>50</sub> of 3.67 nM, demonstrating antiproliferative activity [1].
Targets(IC50)	Others,DUB
In vitro	USP7-IN-12 (compound 1), following a 72-hour incubation period, exhibited antiproliferative activity, with an IC <sub>50</sub> value of 69.5 nM against RS4;11 [1].
In vivo	USP7-IN-12 (5 mg/kg; oral) exhibited favorable pharmacokinetic properties in male SD rats: a half-life (T <sub>1/2</sub> ) of 3.68 hours, time to maximum concentration (T <sub>max</sub> ) of 3.33 hours, peak concentration (C <sub>max</sub> ) of 330 ng/mL, and area under the curve from time zero to infinity (AUC <sub>0-inf</sub> ) of 2014 hr*ng/mL [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8147 mL	9.0733 mL	18.1465 mL
5 mM	0.3629 mL	1.8147 mL	3.6293 mL
10 mM	0.1815 mL	0.9073 mL	1.8147 mL
50 mM	0.0363 mL	0.1815 mL	0.3629 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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