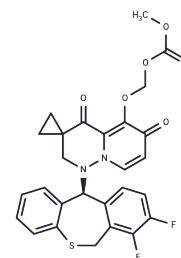


## Cap-dependent endonuclease-IN-1

## Chemical Properties

CAS No. :	2365473-17-0
Formula:	C <sub>27</sub> H <sub>22</sub> F <sub>2</sub> N <sub>2</sub> O <sub>6</sub> S
Molecular Weight:	540.54
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



## Biological Description

Description	Cap-dependent endonuclease-IN-1 is a highly potent, orally active cap-dependent endonuclease inhibitor with antiviral activity for studying influenza virus infection.
Targets(IC50)	Others, Influenza Virus

## Solubility Information

Solubility	DMSO: 50 mg/mL (92.5 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2.5 mg/mL (4.63 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.850 mL	9.250 mL	18.500 mL
5 mM	0.370 mL	1.850 mL	3.700 mL
10 mM	0.185 mL	0.925 mL	1.850 mL
50 mM	0.037 mL	0.185 mL	0.370 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

Ming-Chu Hsu, et al. Cap-dependent endonuclease inhibitors. WO2019144089A1.  
Chi-Feng Yen, et al. Amorphous solid dispersion formulation. US20220202817A1.

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