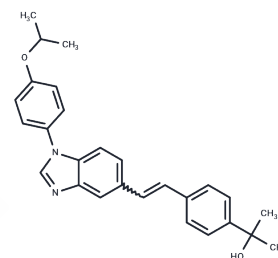


(E)-LHF-535

## Chemical Properties

CAS No. : 2449213-57-2  
 Formula: C<sub>27</sub>H<sub>28</sub>N<sub>2</sub>O<sub>2</sub>  
 Molecular Weight: 412.52  
 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	(E)-LHF-535, the E-isomer of LHF-535, is an antiviral agent with EC <sub>50</sub> values of <1 μM for Lassa, Machupo, and Junin viruses, and 1-10 μM for VSVg virus [1].
Targets(IC <sub>50</sub> )	Anti-infection,Others,Virus Protease

## Solubility Information

Solubility	DMSO: 60 mg/mL (145.45 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 (6.06 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	2.4241 mL	12.1206 mL	24.2412 mL
5 mM	0.4848 mL	2.4241 mL	4.8482 mL
10 mM	0.2424 mL	1.2121 mL	2.4241 mL
50 mM	0.0485 mL	0.2424 mL	0.4848 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

Dongcheng Dai, et al. Antiviral drugs for treatment of arenavirus infection. WO2013123215A2.

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