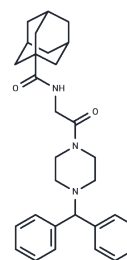


## LASV inhibitor 3.3

## Chemical Properties

CAS No. :	554438-52-7
Formula:	C30H37N3O2
Molecular Weight:	471.63
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	LASV inhibitor 3.3 is an inhibitor of Lassa fever virus (LASV) targeting lysosome-associated membrane protein 1 (LAMP1), a host factor that binds to the LASV glycoprotein (GP) during infection.
Targets(IC50)	Anti-infection, Virus Protease

## Solubility Information

Solubility	DMSO: 55 mg/mL (116.62 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1203 mL	10.6015 mL	21.2031 mL
5 mM	0.4241 mL	2.1203 mL	4.2406 mL
10 mM	0.212 mL	1.0602 mL	2.1203 mL
50 mM	0.0424 mL	0.212 mL	0.4241 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

Wang MK, et al. Critical role for cholesterol in Lassa fever virus entry identified by a novel small molecule inhibitor targeting the viral receptor LAMP1. PLoS Pathog. 2018 Sep 28;14(9):e1007322.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481