Product Data Sheet

Product Name: LASV inhibitor 3.3
Cat. No.: GF10366

Chemical Properties

Cas. No.	554438-52-7		
Formula	C30H37N3O2	M.Wt	471.645
Solubility	DMSO : 25 mg/mL (53.01 mM; Need ultrasonic)	Storage	-20°C， sealed storage，away from moisture
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Caution: Product has not been fully validated for medical applications. For research use only.
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Product Data Sheet

Structure

Background

LASV inhibitor 3.3 is a Lassa fever virus (LASV) inhibitor. LASV inhibitor 3.3 binds with LASV glycoprotein (GP) and promotes virus membrane fusion and infection. LASV inhibitor 3.3 can be used for LASV infection research.

LASV inhibitor 3.3 (1 nM-100 渭M; 1 h) inhibits transduction by murine leukemia virus (MLV) pseudotyped with the indicated viral glycoproteins with an IC_{50} value of 1.8 渭M [1].

LASV inhibitor 3.3 (1 and 10 渭M; 1 h) inhibits LAMP1 binding to LASV GP in vitro [1].

[1]. 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.