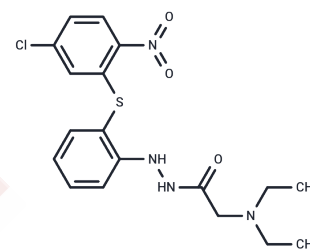


EBOV-IN-5

Chemical Properties

CAS No. : 68207-15-8
 Formula: C₁₈H₂₁ClN₄O₃S
 Molecular Weight: 408.9
 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	EBOV-IN-5 (compound 14) serves as an antiviral agent targeting the Ebola virus (EBOV) by disrupting its entry mechanism into host cells. It specifically blocks the interaction between the EBOV glycoprotein EBOV-GPcl and the essential host receptor NPC1, which is crucial for the virus's fusion and entry into the cell. [7] [1]
Targets(IC50)	Others,Virus Protease
In vitro	EBOV-IN-5 (compound 14) has a CC50 of 30 μ M in HeLa cells and exhibits low cytotoxicity in Vero cells, with a CC50 of over 100 μ M [1]. At a concentration of 50 μ M, EBOV-IN-5 significantly disrupts the EBOV-GPcl/NPC1 interaction, with an IC50 of 4.69 μ M against EBOV-GP-pseudotyped virus (pEBOV) [1]. Additionally, EBOV-IN-5 has an IC50 of 35.17 μ M against the African swine fever virus (ASFV) [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4456 mL	12.2279 mL	24.4559 mL
5 mM	0.4891 mL	2.4456 mL	4.8912 mL
10 mM	0.2446 mL	1.2228 mL	2.4456 mL
50 mM	0.0489 mL	0.2446 mL	0.4891 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

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