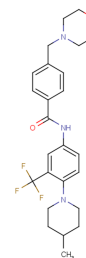


VUN65671

## Chemical Properties

CAS No. : 2479465-67-1  
 Formula: C<sub>25</sub>H<sub>30</sub>F<sub>3</sub>N<sub>3</sub>O<sub>2</sub>  
 Molecular Weight: 461.52  
 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	Compounds 35 are superior inhibitors of Ebola (Mayinga) and Marburg (Angola) infectious viruses.
Targets(IC50)	Others
In vitro	Compounds 35 are superior inhibitors of Ebola (Mayinga) and Marburg (Angola) infectious viruses. Compounds 35 have shown good metabolic stability in plasma and liver microsomes (rat and human), and 32 did not inhibit CYP3A4 nor CYP2C9. These 4-(aminomethyl)benzamides are suitable for further optimization as inhibitors of filovirus entry, with potential to be developed as therapeutic agents for the treatment and control of Ebola virus infections.

## Solubility Information

Solubility	DMSO: 6 mg/mL (13 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	2.1668 mL	10.8338 mL	21.6675 mL
5 mM	0.4334 mL	2.1668 mL	4.3335 mL
10 mM	0.2167 mL	1.0834 mL	2.1668 mL
50 mM	0.0433 mL	0.2167 mL	0.4334 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

Gaisina I N , Peet N P , Wong L , et al. Discovery and Structural Optimization of 4-(Aminomethyl)benzamides as Potent Entry Inhibitors of Ebola and Marburg Virus Infections[J]. Journal of Medicinal Chemistry, 2020, XXXX(XXX).

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