

Product Data Sheet

Product Name: EBOV-IN-1

Cat. No.: GC72667

Chemical Properties

Cas. No. 1335113-30-8

Formula $C_{34}H_{43}N_3O_5$

M.Wt 573.72

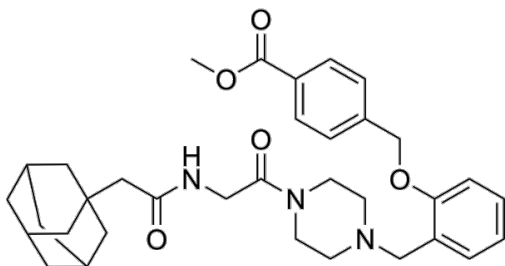
Solubility

Storage -20°C

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.

Structure



Background

EBOV-IN-1 (com 3.47) is an adamantane dipeptide piperazine and an inhibitor of Ebola virus (EBOV). EBOV-IN-1 targets Niemann-Pick C1 (NPC1) and inhibits its binding to the EBOV glycoprotein (GP) that activates and mediates viral penetration into host cells, thereby inhibiting EBOV infection. EBOV-IN-1 inhibits pseudotyped EBOV infection with an IC₅₀ of 13 nM.

References:

[1]. Liu H, et al. Identification of Potent Ebola Virus Entry Inhibitors with Suitable Properties for in Vivo Studies. J Med Chem. 2018 Jul 26;61(14):6293-6307.

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

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