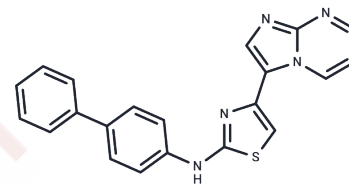


EV-A71-IN-1

Chemical Properties

CAS No. : 2413648-96-9
 Formula: C₂₁H₁₅N₅S
 Molecular Weight: 369.44
 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	EV-A71-IN-1 is a potent inhibitor of the human enterovirus A71 (EV-A71) capsid protein, with an EC ₅₀ of 0.27 μM against EV-A71. Acting as a capsid binder, EV-A71-IN-1 disrupts the crucial interaction between the viral VP1 protein and the host receptor hSCARB2. It displays broad-spectrum antiviral activity against various human enteroviruses, while being non-toxic to human cells (CC ₅₀ > 56.2 μM) [1].
Targets(IC ₅₀)	Others,Virus Protease
In vitro	EV-A71-IN-1 (compound 12s) exhibits efficacy across various EV-A71 strains (BrCr, GZ-CII, EV71/HeN09, and EV71/G082) and extends its antiviral activity to other notable enteroviruses including CV-A16, EV-D68, Echov-6, CV-B2, and CV-B6 [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7068 mL	13.534 mL	27.068 mL
5 mM	0.5414 mL	2.7068 mL	5.4136 mL
10 mM	0.2707 mL	1.3534 mL	2.7068 mL
50 mM	0.0541 mL	0.2707 mL	0.5414 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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