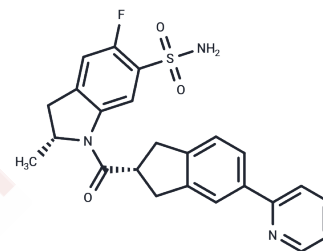


HSV-1/HSV-2-IN-3

Chemical Properties

CAS No. :	3016396-78-1
Formula:	C ₂₄ H ₂₂ FN ₃ O ₃ S
Molecular Weight:	451.51
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	HSV-1/HSV-2-IN-3 inhibits the helicase-primase complex of herpes simplex virus (HSV), interfering with the crucial processes of DNA unwinding and primer synthesis necessary for viral genome replication. In gD immunofluorescence assays containing 2% FBS, its EC ₅₀ against HSV-2 is 7.0 nM, while in assays with 10% human serum, the EC ₅₀ is 57.5 nM. Within qPCR replication analysis, the compound demonstrates an EC ₅₀ of 1.1 nM. Additionally, HSV-1/HSV-2-IN-3 exhibits strong selectivity against off-target interactions with human carbonic anhydrase (IC ₅₀ for hCA II ≈ 2.9 μM, and > 35 μM for hCA I). This compound is applicable in anti-HSV research.
Targets(IC ₅₀)	HSV

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2148 mL	11.074 mL	22.1479 mL
5 mM	0.443 mL	2.2148 mL	4.4296 mL
10 mM	0.2215 mL	1.1074 mL	2.2148 mL
50 mM	0.0443 mL	0.2215 mL	0.443 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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