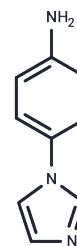


LANA-IN-1

Chemical Properties

CAS No. :	2221-00-3
Formula:	C ₉ H ₉ N ₃
Molecular Weight:	159.188
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	LANA-IN-1 (compound 8) is an N-acetyl derivative that acts as a LANA inhibitor with anti-herpesviral activity. In fluorescence assays involving the LANA probe LBS2, LANA-IN-1 at a concentration of 1 mM demonstrated an inhibition rate of 32%. This compound likely inhibits the interaction between LANA and the viral genome.
Targets(IC50)	HSV
In vitro	LANA is an essential protein in the latent replication and persistence of Kaposi's sarcoma-associated herpesvirus/human herpesvirus 8. LANA functions by replicating the viral episome and anchoring it to the host chromatin.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.2818 mL	31.409 mL	62.818 mL
5 mM	1.2564 mL	6.2818 mL	12.5636 mL
10 mM	0.6282 mL	3.1409 mL	6.2818 mL
50 mM	0.1256 mL	0.6282 mL	1.2564 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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