

Z-L(D-Val)G-CHN2

Chemical Properties

CAS No. :

Formula: C₂₂H₃₁N₅O₅

Molecular Weight: 445.51

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	Z-L(D-Val)G-CHN2, an isoform of Z-LVG-CHN2, serves as a cell-permeable and irreversible inhibitor of cysteine proteinase. This tripeptide derivative emulates a segment of the human cysteine proteinase-binding center and demonstrates selective antiviral activity, inhibiting herpes simplex virus (HSV) yet exhibiting negligible impact on poliovirus replication. Notably, Z-LVG-CHN2 effectively impedes SARS-CoV-2 replication with an EC ₅₀ value of 190 nM by targeting the SARS-CoV-2 3CL protease [3].
Targets(IC ₅₀)	HSV,Cysteine Protease,SARS-CoV

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2446 mL	11.2231 mL	22.4462 mL
5 mM	0.4489 mL	2.2446 mL	4.4892 mL
10 mM	0.2245 mL	1.1223 mL	2.2446 mL
50 mM	0.0449 mL	0.2245 mL	0.4489 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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