

Human α -defensin 5

Chemical Properties

CAS No. :

Formula: C144H238N50O45S6

Molecular Weight: 3582.13

Keep away from moisture

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	Human α -defensin 5 is an antiviral peptide that inhibits the infection of non-enveloped viruses such as AdV, HPV, and polyomaviruses, with an IC50 range of 0.6-1.25 μ M specifically for HPV16. It functions by binding to the viral capsid and preventing viral escape from the endosome. Additionally, Human α -defensin 5 enhances HIV attachment to the cell surface and exhibits parasiticidal activity [1].
Targets(IC50)	Parasite,Virus Protease

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2792 mL	1.3958 mL	2.7916 mL
5 mM	0.0558 mL	0.2792 mL	0.5583 mL
10 mM	0.0279 mL	0.1396 mL	0.2792 mL
50 mM	0.0056 mL	0.0279 mL	0.0558 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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