

Human  $\alpha$ -Defensin 6

## Chemical Properties

CAS No. :

Formula: C156H228N46O46S7

Molecular Weight: 3708.22

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 $\alpha$ -Defensin 6, a 32-residue, cysteine-rich peptide, plays a crucial role in mucosal immunity by inhibiting bacterial invasion through the formation of ordered self-assembly fibrils and nanonets, which bind to bacterial surface proteins and entangle the bacteria. Additionally, Human $\alpha$ -Defensin 6 impedes biofilm formation by <i>C. albicans</i> [1] [2].
Targets(IC50)	Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2697 mL	1.3484 mL	2.6967 mL
5 mM	0.0539 mL	0.2697 mL	0.5393 mL
10 mM	0.027 mL	0.1348 mL	0.2697 mL
50 mM	0.0054 mL	0.027 mL	0.0539 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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