

## Histatin-3

## Chemical Properties

CAS No. :	112844-49-2
Formula:	C178H258N64O48
Molecular Weight:	4062.35
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

## Biological Description

Description	Histatin-3, a 32-amino-acid peptide, exhibits potent antimicrobial activities and serves as a substrate for proprotein convertase 1 (PC1), where it is primarily cleaved at a site carboxy-terminal to Arg25 (HRGYR↓SN). Additionally, it acts as a moderately potent, reversible, and competitive inhibitor of furin-mediated cleavage of the pentapeptide pGlu-Arg-Thr-Lys-Arg-MCA fluorogenic substrate, with an inhibition constant (Ki) estimated at 1.98 μM [1].
Targets(IC50)	Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2462 mL	1.2308 mL	2.4616 mL
5 mM	0.0492 mL	0.2462 mL	0.4923 mL
10 mM	0.0246 mL	0.1231 mL	0.2462 mL
50 mM	0.0049 mL	0.0246 mL	0.0492 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.

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