

## Histatin 5

## Chemical Properties

CAS No. : 115966-68-2

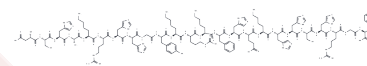
Formula: C133H195N51O33

Molecular Weight: 3036.29

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	Histatin 5, a human basic salivary peptide with strong fungicidal properties in vitro, inhibits the activity of the host matrix metalloproteinases MMP-2 and MMP-9 with IC50s of 0.57 and 0.25 $\mu$ M, respectively.
Targets(IC50)	MMP

## Solubility Information

Solubility	H2O: Soluble, ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3293 mL	1.6467 mL	3.2935 mL
5 mM	0.0659 mL	0.3293 mL	0.6587 mL
10 mM	0.0329 mL	0.1647 mL	0.3293 mL
50 mM	0.0066 mL	0.0329 mL	0.0659 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.

## Reference

Gusman H, et al. Salivary histatin 5 is an inhibitor of both host and bacterial enzymes implicated in periodontaldisease. Infect Immun. 2001 Mar;69(3):1402-8.

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