

## Histatin 5 Peptide

Histatin 5

CATALOG #  
**AAA17909**

HOST  
**Synthetic**

### PRODUCT SYNONYMS

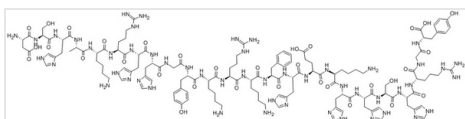
Histatin 5; Peptide to Histatin 5

Histatin-5; a salivary polypeptide; has been shown to inhibit clostripain ( $IC_{50} = 800$  nM) and a trypsin-like protease produced by *Bacteroides gingivalis* ( $IC_{50} = 55$  nM). Other proteases; however; have not been inhibited by histatin-5.; Histatin 5 peptide

### PRODUCT SPECIFICATIONS

|                         |                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------|
| Host                    | Synthetic                                                                                            |
| Purity/Purification     | >95%                                                                                                 |
| Form/Format             | Lyophilized powder                                                                                   |
| Chemical Structure      | H-Asp-Ser-His-Ala-Lys-Arg-His-His-Gly-Tyr-Lys-Arg-Lys-Phe-His-Glu-Lys-His-His-Ser-His-Arg-Gly-Tyr-OH |
| Molecular Formula       | C133H195N51O33                                                                                       |
| CAS #                   | 104339-66-4                                                                                          |
| Preparation and Storage | Ships on blue ice. Store at -20°C for one year.                                                      |

### IMAGES



Structure

### ADDITIONAL INFORMATION

#### Related Product Information for Histatin 5 peptide

Description: Peptide to Histatin 5

Biological Description : Histatin-5, a salivary polypeptide, has been shown to inhibit clostripain ( $IC_{50} = 800$  nM) and a trypsin-like protease produced by *Bacteroides gingivalis* ( $IC_{50} = 55$  nM). Other proteases, however, have not been inhibited by histatin-5. This peptide was therefore suggested to be a preventive against periodontal disease.

Histatin-5 exhibits antimicrobial and a distinct antifungal activity targeting fungal mitochondria.

### NCBI AND UNIPROT INFORMATION

Molecular Weight 3036.36

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/synthetic-peptide/histatin-5/17909>