



## Pepstatin A

**Catalog No:** 17640  
**Lot No:** XXXXX  
**Cas No:** 26305-03-3  
**Formula:**  $C_{34}H_{63}N_5O_9$   
**MW:** 685  
**Supplied as:** solid  
**Stability:** store dry at -20°C, protect from light

### Background

Pepstatin is a potent inhibitor of aspartyl proteases. It is a hexa-peptide containing the unusual amino acid statine (Sta, (3S,4S)-4-amino-3-hydroxy-6-methylheptanoic acid), having the sequence Isovaleryl-Val-Val-Sta-Ala-Sta (Iva-Val-Val-Sta-Ala-Sta). Pepstatin A is well known to be an inhibitor of aspartic proteinases such as pepsin, cathepsins D and E. Pepstatin A is practically insoluble in water, chloroform, ether, and benzene, however it can be dissolved in methanol, ethanol and DMSO with acetic acid, to between 1 and 5 mg/ml.

### Tests

**Appearance:**

**Purity (HPLC):**

### Specifications

white solid

≥98 area-%

### Usage

This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.