



LKT Laboratories, Inc.

Pepstatin

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Product Information

Product ID P1761

CAS No. 26305-03-3

Chemical Name L-Alaninamide, N-(3-methyl-1-oxobutyl)-L-valyl-(3S,4S)-4-amino-3-hydroxy-6-methylheptanoyl-N-((1S)-1-((1S)-2-carboxy-1-hydroxyethyl)-3-methylbutyl)-

Synonym Pepstatin A

Formula C₃₄H₆₃N₅O₉

Formula Wt. 685.89

Melting Point 228-229 °C

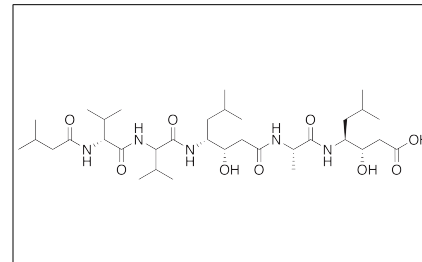
Purity ≥98%

Solubility Soluble in methanol,
ethanol or DMSO.

Store Temp 4 °C

Ship Temp Ambient

Description Pepstatin is a peptide originally found in *Actinomyces*; it inhibits aspartyl proteases such as pepsin and cathepsins D and E. Pepstatin may inhibit RANKL-induced osteoclast differentiation and phosphorylation of ERK.



Bulk quantities available upon request

Product ID **Size**

P1761 5 mg

P1761 25 mg

P1761 100 mg

References Marciniszyn J Jr, Hartsuck JA, Tang J. Mode of inhibition of acid proteases by pepstatin. *J Biol Chem.* 1976 Nov 25;251(22):7088-94. PMID: 993206.

Umezawa H, Aoyagi T, Morishima H, et al. Pepstatin, a new pepsin inhibitor produced by Actinomycetes. *J Antibiot (Tokyo).* 1970 May;23(5):259-62. PMID: 4912600.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.