



## Product Information

Product ID A5478

CAS No. 37682-72-7

### Chemical Name

Synonym [(S)-1-Carboxy-2-phenylethyl]carbamoyl-L-arginyl-L-valyl-argininal

Formula  $C_{27}H_{44}N_{10}O_6 \cdot 2HCl$

Formula Wt. 677.62

Melting Point

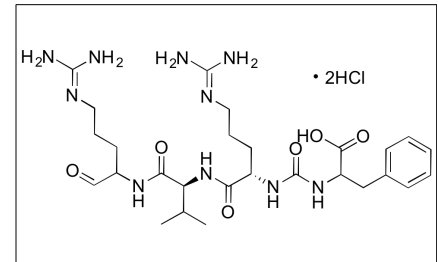
Purity

Solubility Soluble in water (10 mg/ml), methanol, ethanol.

Store Temp -20°C

Ship Temp Ambient

Description Antipain is an oligopeptide first produced by *Actinomycetes* that inhibits proteases such as trypsin and papain.



**Bulk quantities available upon request**

Product ID	Size
A5478	1 mg
A5478	5 mg
A5478	25 mg

**References** Anisuzzaman, Islam MK, Alim MA, et al. Longistatin is an unconventional serine protease and induces protective immunity against tick infestation. *Mol Biochem Parasitol.* 2012 Mar-Apr;182(1-2):45-53. PMID: 22206819.

He SH, Chen P, Chen HQ. Modulation of enzymatic activity of human mast cell tryptase and chymase by protease inhibitors. *Acta Pharmacol Sin.* 2003 Sep;24(9):923-9. PMID: 12956943.

Suda H, Aoyagi T, Hamada M, et al. Antipain, a new protease inhibitor isolated from actinomycetes. *J Antibiot (Tokyo).* 1972 Apr;25(4):263-6. PMID: 4559651.

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