



LKT Laboratories, Inc.

Aprotinin

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Product Information

Product ID A6268

CAS No. 9087-70-1

Chemical Name

Synonym Pancreatic trypsin inhibitor, Antagosan, Fosten, Iniprol, Repulson, Trazinin, Zymofren

Formula $C_{284}H_{432}N_{84}O_{79}S_7$

Formula Wt. 6511.44

Melting Point

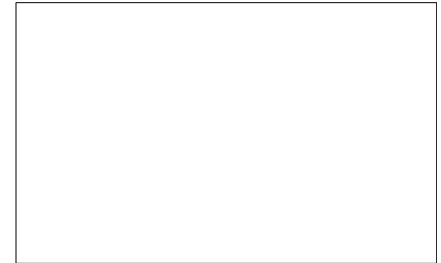
Purity \geq 5400 u/mg

Solubility Soluble in water (10 mg/ml).

Store Temp 4° C

Ship Temp Ambient

Description Aprotinin is a polypeptide that exhibits anti-fibrinolytic (pro-coagulant) activity. Aprotinin inhibits serine proteases such as trypsin, chymotrypsin, plasmin, and kallikrein. Inhibiting these proteases prevents formation of Factor XIIIa and prevents breakdown of blood clots. Aprotinin is clinically used during surgeries to prevent bleeding.



Bulk quantities available upon request

Product ID	Size
A6268	10 mg
A6268	50 mg

References Shiga T, Wajima Z, Inoue T, et al. Aprotinin in major orthopedic surgery: a systematic review of randomized controlled trials. *Anesth Analg.* 2005 Dec;101(6):1602-7. PMID: 16301226.

Mahdy AM, Webster NR. Perioperative systemic haemostatic agents. *Br J Anaesth.* 2004 Dec;93(6):842-58. PMID: 15277296.

Kassell B, Laskowski M Sr. The basic trypsin inhibitor of bovine pancreas. V. The disulfide linkages. *Biochem Biophys Res Commun.* 1965 Aug 16;20(4):463-8. PMID: 5860161.

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