Creative Enzymes®

Native Bovine Aprotinin

Cat. No. PHAM-235

Lot. No. (See product label)

Introduction

Description	Aprotinin is a competitive serine protease inhibitor that forms stable complexes with and blocks the active sites of enzyme. This binding is reversible, and most aprotinin-protease complexes will dissociate at extreme pH levels >10 or < 3. Structurally, Aprotinin is a monomeric globular protein derived from bovine lung that consists of 58 amino acids, arranged in a single polypeptide chain with three crosslinking disulfide bridges.
Applications	1. In clinical, used in the prevention andtreatment of acute pancreatitis, hemorrhage and disseminated intravascularcoagulation caused by fibrinolysis. 2. It can prevent or delay the developmentof pulmonary interstitial edema (shock lung), and its inhibition has a dose andtime dependent. 3. After abdominal surgery, injected directlyinto the abdominal cavity can prevent intestinal adhesion.
Synonyms	aprotinin; Trasylol; bovine pancreatic trypsin inhibitor BPTI; 9087-70-1

Product Information

Species	Bovine
Source	Bovine lung
Appearance	White or almost white powder
CAS No.	9087-70-1
Activity	Not < 3.0 units/mg, calculated on the dried basis.
pH Stability	5.0-7.0

Storage and Shipping Information

Storage	Sealed, Dark, at 2-8 centigrade.