

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 and treatment of acute pancreatitis, hemorrhage and disseminated intravascular coagulation caused by fibrinolysis. 2. It can prevent or delay the development of pulmonary interstitial edema (shock lung), and its inhibition has a dose and time dependent. 3. After abdominal surgery, injected directly into 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.