

## Aprotinin from Bovine, Recombinant

Cat. No. NATE-1892

Lot. No. (See product label)

### Introduction

**Description** Aprotinin is a competitive serine protease inhibitor that inhibits trypsin, chymotrypsin, kallikrein and plasmin. Aprotinin forms stable complexes with and blocks the active sites of enzymes. Binding is reversible with most aprotinin-protease complexes and dissociating at pH >10.0 or <3.0. Effective concentration is equimolar with protease.

**Synonyms** Trypsin Inhibitor; 9087-70-1; aprotinin; Trasylol

### Product Information

**Species** Bovine lung

**Source** E. coli

**Form** Powder

**CAS No.** 9087-70-1

**Purity** Single band ( $\geq 92\%$ ) by SDS-PAGE

**Activity** > 3.0 EPU/mg protein

**Unit Definition** One trypsin inhibitor unit (EPU) will inhibit the activity of one trypsin unit hydrolyze 1 $\mu$ mol of N-benzoyl-L-arginine ethyl ester hydrochloride (BAEE) per second at pH 8.0 at 25 °C. Each EPU of aprotinin is equivalent to 1,800 KIU.

### Storage and Shipping Information

**Storage** Recombinant aprotinin should be stored under -20°C or below in sealed container. It is stable within 24 months.