

Chymotrypsin

Cat. No. DIGS-227

Lot. No. (See product label)

Introduction

Description

Chymotrypsin is a digestive enzyme component of pancreatic juice acting in the duodenum where it performs proteolysis, the breakdown of proteins and polypeptides. Chymotrypsin preferentially cleaves peptide amide bonds where the carboxyl side of the amide bond (the P1 position) is a large hydrophobic amino acid (tyrosine, tryptophan, and phenylalanine). These amino acids contain an aromatic ring in their sidechain that fits into a 'hydrophobic pocket' (the S1 position) of the enzyme. It is activated in the presence of trypsin.

Applications

1. In the clinical, it always used to general trauma, wound healing that after surgery, anti-inflammatory, prevent local edema, hematocele, sprain hematoma, partial swelling that after breast surgery, tympanitis, rhinitis and so on. Use for the removal of cataract, Loose the lashes muscle ligament, reduce the cyst rupture and the hurt of retina. Besides, the combination use with the Trypsin and used as a broad-spectrum anti-inflammatory drugs. 2. As the auxiliary medicine of antibiotic and antifungal drugs, it is widely used in the field of animal medicine and animal health industry.

Synonyms

EC 3.4.21.1; chymotrypsins A and B; alpha-chymar ophth; avazyme; chymar; chymotest; enzeon; quimar; quimotrase; alpha-chymar; alpha-chymotrypsin A; alpha-chymotrypsin; Chymotrypsin

Product Information

Appearance

White or almost white lyophilized powder

EC Number

EC 3.4.21.1

CAS No.

9004-07-3

Activity

Chymotrypsin > 1000 USP units/mg powder

Storage and Shipping Information

Storage

Sealed, Dark, at temperature 2-8 centigrade