
Product Data Sheet

Product Name: Trypsin Bovine

Cat. No.: GP24902

Batch No.: 1

Product Data

Purity >98%

Source Corn.

Physical Appearance solid

Shipping Condition Shipped at Room temp.

Solubility It is recommended to reconstitute the lyophilized Bovine Trypsin in sterile 18MΩ-cm H₂O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.

Formulation The protein was lyophilized without any additives.

Introduction

Trypsin is a serine protease that hydrolyses proteins, it is found in the digestive system of numerous vertebrates. Trypsin is produced as the inactive proenzyme trypsinogen in the pancreas. Trypsin cleaves peptide chains at the carboxyl side of the amino acids lysine and arginine, except when either is followed by proline. Trypsin is secreted into the duodenum, where it acts to hydrolyses peptides into amino acids, which is necessary for the uptake of protein in the food even though peptides are smaller than proteins; they are still too big to be absorbed through the lining of the ileum. The optimal operating pH for Trypsins is about 8 and about 37°C temperature. In cystic fibrosis disease there is a deficiency in transport of trypsin and other digestive enzymes from the pancreas. Trypsin is widely used in various biotechnological processes since it's available in high quantity in the pancreases, and can be purified rather easily.

Biological Activity

4,313 Units/mg.

Stability

Store the Bovine Trypsin between 2-8°C , do not freeze.

Background

Recombinant Bovine Trypsin is free from any animal and human sources. Trypsin Bovine

Caution: Product has not been fully validated for medical applications. For research use only.

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specifically cleaves peptide bonds after basic amino acids such as lysine and arginine.

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