

Native Escherichia coli Asparaginase

Cat. No. PHAM-226

Lot. No. (See product label)

Introduction

Description

Asparaginase (EC 3.5.1.1, USAN) or Colaspase (BAN) is an enzyme that catalyzes the hydrolysis of asparagine to aspartic acid. Asparaginases are enzymes expressed and produced by microorganisms.

Applications

Asparaginase is used in enzymatic assays and to convert asparagine to aspartic acid. Asparaginase is used to reduce the formation of acrylamide in starchy food products. It is also used as a chemotherapy agent for acute lymphoblastic leukemia. Product is from Escherichia coli and is provided as a lyophilized powder containing sodium chloride.

Synonyms

EC 3.5.1.1; Asparaginase; Colaspase; L-asparaginase; L-asparagine amidohydrolase

Product Information

Source

Escherichia coli

Form

lyophilized powder

EC Number

EC 3.5.1.1

CAS No.

9015-68-3

Composition

Protein, > 60%

Unit Definition

One unit will liberate 1.0 μ mole of ammonia from L-asparagine per min at pH 8.6 at 37 °C.

Storage and Shipping Information

Storage

2-8°C