

Product Datasheet

GE3992 - Trypsin, EP grade

Pictograms

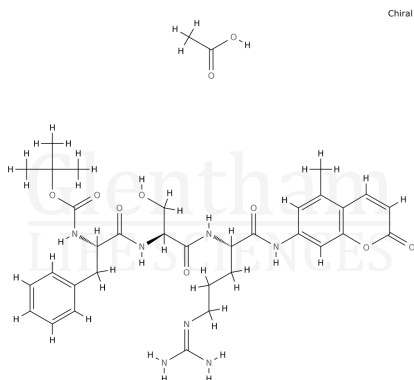


Product Details

Product Name	Trypsin, EP grade
Glentham Code	GE3992
CAS Number	9002-07-7
EINECS	232-650-8
Related Categories	Biochemicals, Enzymes

Structure

Molecular Weight : -
Molecular Formula : -



Glentham Product Specification

Physical Description	: White to off-white or beige crystalline powder
Assay	: ≥ 30 FIP units/mg
Chymotrypsin	: Conforms to EP
UV Absorbance	: 280nm: 13.5 - 16.5, 250nm: ≤ 7.0
pH (1% solution)	: 3.0 - 6.0
Loss on Drying	: $\leq 5.0\%$
Residue on Ignition	: $\leq 2.5\%$
Total Aerobic Microbial Count	: $\leq 10000/g$
Total Combined Yeast and Mould Count	: $\leq 100/g$
Bile-tolerant gram-negative bacteria	: $\leq 100/g$
Specified Microorganisms	: Escherichia coli, Staphylococcus aureus and Salmonellae: Absent
Sorbitol (Ph. Eur. / USP)	: Reported
Pharmacopoeia Specification(s)	: EP
Version	: v1.0

Storage

Recommended storage temperature: +4°C.

Hazards and Transport

Not classified as dangerous for transport.

CLP Classification Skin Irr. 2, Eye Irr. 2A, Resp. Sens. 1, STOT SE 3, STOT SE 3

Signal Word Danger

Hazard Codes H315, H319, H334, H335, H336

Precautionary Codes P342+P311, P305+P351+P338, P261

About Trypsin, EP grade

Trypsin is a serine protease produced in the pancreas of vertebrates for use in the digestive system. Trypsin's primary function is to hydrolyse ingested proteins into smaller peptides or amino acids. It does this by cleaving peptide chains on the carboxyl side of arginine and lysine - unless either is followed by proline. For this reason, trypsin is often used in a laboratory setting to digest proteins and peptides for use in mass spectrometry and chromatography. It is also used to dissociate tissues during cell culturing and sorting.

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