

## Product Datasheet

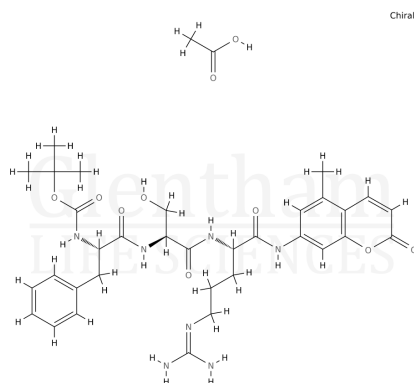
### GE0077 - Trypsin, USP grade

#### Product Details

Product Name	Trypsin, USP grade
Glenthams Code	GE0077
CAS Number	9002-07-7
EINECS	232-650-8
Numéro MDL	MFCD00082094
Related Categories	Biochemicals, Enzymes

#### Structure

Molecular Weight :  
Molecular Formula :



#### Precautionary Codes

P342+P311,  
P305+P351+P338, P261

#### Pictograms



#### Glenthams Product Specification

Physical Description	: White to off-white powder
Assay	: $\geq 2500\text{IU/mg}$ (dry basis)
Residue on Ignition	: $\leq 2.5\%$
Chymotrypsin	: $\leq 50\text{U}/2500\text{U}$ (of Trypsin)
Loss on Drying	: $\leq 5.0\%$
Specified Microorganisms	: Staphylococcus aureus, Pseudomonas aeruginosa and Salmonella: Absent
Pharmacopoeia Specification(s)	: USP
Version	: v1.0

#### About Trypsin, USP 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.

#### Storage

Recommended storage temperature:  $+4^{\circ}\text{C}$ .

#### Hazards and Transport

Not classified as dangerous for transport.

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

Signal Word Attention

Hazard Codes H315, H317, H319, H335,  
H336

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