

## Product Datasheet

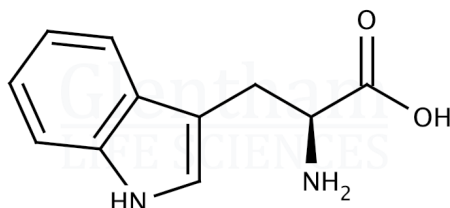
### GM0192 - L-Tryptophan, GlenCell™, suitable for cell culture

#### Product Details

Product Name	L-Tryptophan, GlenCell™, suitable for cell culture
Glentham Code	GM0192
CAS Number	73-22-3
EINECS	200-795-6
MDL Number	MFCD00064340
Related Categories	Amino Acids, Biochemicals, Reagents for Cell Culture

#### Structure

Molecular Weight	: 204.23
Molecular Formula	: C <sub>11</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub>



#### Storage

Recommended storage temperature: +20°C.

#### Hazards and Transport

Not classified as hazardous under CLP.  
Not classified as dangerous for transport.

#### Glentham Product Specification

Physical Description	: White to light yellow crystals or crystalline powder
Identification (IR)	: To conform to standard
Solubility	: Sparingly soluble in water, slightly soluble in ethanol
Solubility (1% in 1M HCl)	: Clear, colourless to yellow solution
Transmittance	: ≥ 95.0% (2.5% in water, 430nm, 10mm cell)
Specific Optical Rotation	: -30.5 - -32.5 ° (C=1, H <sub>2</sub> O)
Chloride (Cl)	: ≤ 0.02%
Ammonium (NH <sub>4</sub> )	: ≤ 0.02%
Sulphate (SO <sub>4</sub> )	: ≤ 0.02%
Iron (Fe)	: ≤ 10ppm
Heavy Metals (as Pb)	: ≤ 10ppm
Arsenic (As <sub>2</sub> O <sub>3</sub> )	: ≤ 1ppm
Related Substances	: To pass test
Loss on Drying	: ≤ 0.2%
Sulphated Ash	: ≤ 0.1%
pH	: 5.5 - 6.4 (1% in water)
Endotoxins	: ≤ 6.0EU/g
Assay	: 99.0 - 101.0 %
Pharmacopoeia Specification(s)	: USP, EP
Origin	: Non-animal origin
Version	: v1.0

#### About L-Tryptophan, GlenCell™, suitable for cell culture

Tryptophan is an alpha-amino acid that is essential in humans. It is used in the biomanufacturing of recombinant proteins and monoclonal antibodies. It is an important constituent in cell culture media.

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