

Product Datasheet

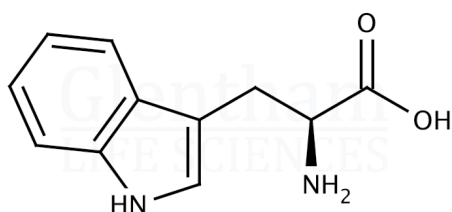
GM0674 - L-Tryptophan

Product Details

Product Name	L-Tryptophan
Glenthams Code	GM0674
CAS Number	73-22-3
EINECS	200-795-6
MDL Number	MFCD00064340
PubChem SID	310281481
Related Categories	Amino Acids, Biochemicals, Reagents for Cell Culture

Structure

Molecular Weight	: 204.23
Molecular Formula	: C ₁₁ H ₁₂ N ₂ O ₂



Storage

Recommended storage temperature: +20°C.

Hazards and Transport

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

Glenthams Product Specification

Physical Description	: White to off-white powder
Identification (IR)	: To conform to standard
pH (1% in water)	: 5.5 - 7.0
Specific Optical Rotation ([α] _{25/D})	: -29.4 - -32.8 ° (10mg/ml, water)
Loss on Drying	: ≤ 0.3% (105°C, 3h)
Residue on Ignition	: ≤ 0.1%
Lead (Pb)	: ≤ 3ppm
Arsenic (As)	: ≤ 1ppm
Cadmium (Cd)	: ≤ 1ppm
Mercury (Hg)	: ≤ 0.1ppm
Chloride	: ≤ 0.05%
Sulphate	: ≤ 0.03%
Iron (Fe)	: ≤ 30ppm
Heavy Metals	: ≤ 15ppm
Organic Impurities	: ≤ 0.01% of total impurities prior to peak and ≤ 0.03% of total impurities after peak
Related Compound A	: To pass test
Assay	: 98.5 - 101.5 % (dried basis)
Pharmacopoeia Specification(s)	: USP
Version	: v1.2

About L-Tryptophan

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.