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Product Datasheet

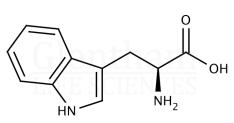
GM0674 - L-Tryptophan

Product Details

Product Name	L-Tryptophan
Glentham 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	:	$C_{11}H_{12}N_2O_2$



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 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 impurites 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.

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