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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

 $\begin{array}{lll} \mbox{Molecular Weight} & : & 204.23 \\ \mbox{Molecular Formula} & : & \mbox{C}_{11}\mbox{H}_{12}\mbox{N}_2\mbox{O}_2 \end{array}$

OH NH₂

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 : White to off-white powder Description

Identification (IR) : To conform to standard

pH (1% in water) : 5.5 - 7.0

Specific Optical : -29.4 - -32.8 ° (10mg/ml, water)

Rotation ([α]25/D)

Loss on Drying : $\leq 0.3\%$ (105°C, 3h)

Residue on : ≤ 0.1%

Ignition

Lead (Pb) : \leq 3ppm

Arsenic (As) : \leq 1ppm

Cadmium (Cd) : \leq 1ppm

Mercury (Hg) : \leq 0.1ppm

Chloride : \leq 0.05%

Sulphate : \leq 0.03%

Iron (Fe) : ≤ 30ppm Heavy Metals : ≤ 15ppm

Organic : ≤ 0.01% of total impurites prior to Impurities peak and ≤ 0.03% of total

peak and ≤ 0.03% of total impurities after peak

Related : To pass test

Compound A

Assay : 98.5 - 101.5 % (dried basis)

Pharmacopoeia : USP Specification(s)

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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