Glentham

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Product Datasheet

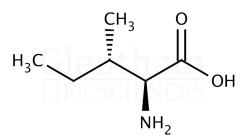
GM8967 - L-Isoleucine, GlenCell™, suitable for cell culture

Product Details

Product Name	L-Isoleucine, GlenCell™, suitable for cell culture
Glentham Code	GM8967
CAS Number	73-32-5
EINECS	200-798-2
MDL Number	MFCD00064222
Related Categories	Amino Acids, Biochemicals, Reagents for Cell Culture

Structure

Molecular Weight	:	131.18
Molecular Formula	:	$\mathrm{C_6H_{13}NO_2}$



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 crystals or crystalline powder
Identification	:	IR
Solubility (5% in 1M HCl)	:	Clear, colourless solution
Transmittance	:	≥ 98.0%
Specific Optical Rotation	:	+39.5 - +41.5 °
Chloride (Cl)	:	≤ 0.02%
Ammonium (NH4)	:	≤ 0.02%
Sulphate (SO4)	:	≤ 0.02%
Iron (Fe)	:	≤ 10ppm
Heavy Metals (as Pb)	:	≤ 10ppm
Arsenic (As2O3)	:	≤ 1ppm
Valine	:	≤ 0.3%
Leucine	:	≤ 0.3%
Any Unspecified Impurity	:	≤ 0.2%
Total Impurities	:	≤ 1.0%
Residue on Ignition	:	≤ 0.1%
Loss on Drying	:	≤ 0.2%
pH (10% in water)	:	5.5 - 6.5
Endotoxins	:	≤ 6.0EU/g
Assay	:	99.0 - 101.0 %
Pharmacopoeia Specification(s)	:	EP, USP
Origin	:	Non-animal origin
Version	:	v1.1

About L-Isoleucine, GlenCell™, suitable for

cell culture

Branched chain hydrophobic alpha-amino acid that can be synthesised from threonine. Considered an essential amino acid and so must be consumed by humans in their diet. Used in the biosynthesis of proteins.

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