

Product Datasheet

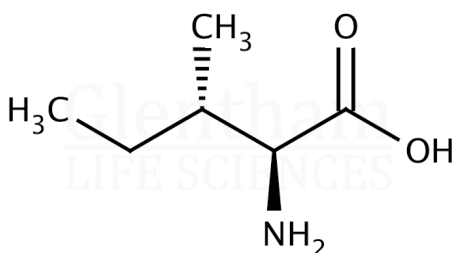
GM8967 - L-Isoleucine, GlenCell™, suitable for cell culture

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	: C ₆ H ₁₃ NO ₂



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 (NH ₄)	: ≤ 0.02%
Sulphate (SO ₄)	: ≤ 0.02%
Iron (Fe)	: ≤ 10ppm
Heavy Metals (as Pb)	: ≤ 10ppm
Arsenic (As ₂ O ₃)	: ≤ 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

Storage

Recommended storage temperature: +20°C.

Hazards and Transport

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

Glentham Product Specification

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.

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2025