

## Product Datasheet

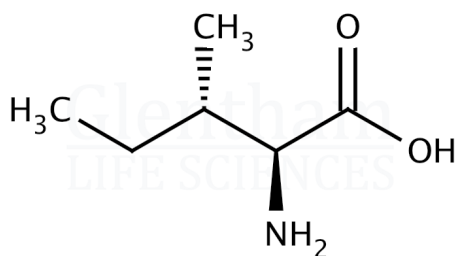
### GM8967 - L-Isoleucine, GlenCell™, suitable for cell culture

#### 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 <sub>6</sub> H <sub>13</sub> NO <sub>2</sub>



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 <sub>4</sub> )	: ≤ 0.02%
Sulphate (SO <sub>4</sub> )	: ≤ 0.02%
Iron (Fe)	: ≤ 10ppm
Heavy Metals (as Pb)	: ≤ 10ppm
Arsenic (As <sub>2</sub> O <sub>3</sub> )	: ≤ 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.

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