

## Product Datasheet

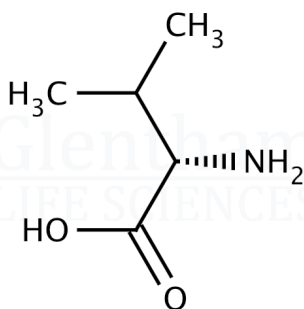
### GM3894 - L-Valine, GlenCell™, suitable for cell culture

#### Product Details

Product Name	L-Valine, GlenCell™, suitable for cell culture
Glenthams Code	GM3894
CAS Number	72-18-4
EINECS	200-773-6
MDL Number	MFCD00064220
Related Categories	Amino Acids, Biochemicals, Reagents for Cell Culture

#### Structure

Molecular Weight	: 117.15
Molecular Formula	: C <sub>5</sub> H <sub>11</sub> NO <sub>2</sub>



#### Storage

Recommended storage temperature: +20°C.

#### Hazards and Transport

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

#### Glenthams Product Specification

Physical Description	: White crystals or crystalline powder
Identification	: IR
Solubility	: Freely soluble in water and in formic acid, practically insoluble in ethanol
Solubility (2.5% in water)	: Clear, colourless solution
Transmittance	: ≥ 98.0% (2.5% in water, 430nm, 10mm cell)
Specific Optical Rotation	: +27.6 - +28.7 ° (C=8, 6M HCl)
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
Related Substances	: To pass test
Loss on Drying	: ≤ 0.2%
Sulphated Ash	: ≤ 0.1%
pH	: 5.5 - 6.5 (2.5% in water)
Endotoxins	: ≤ 6.0EU/g
Assay	: 98.5 - 101.0 %
Origin	: Non-animal origin
Version	: v1.0

#### About L-Valine, GlenCell™, suitable for cell culture

Valine is an essential, non-polar, branched-chain amino acid found in meat, dairy and soy products. It is involved in energy production and muscle metabolism in humans. L-Valine is the L-enantiomer of valine and is commonly used as a component in cell culture media.

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