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## Product Datasheet

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

**Product Details** 

L-Valine, GlenCell™, suitable **Product Name** 

for cell culture

Glentham Code GM3894 **CAS Number** 72-18-4 **EINECS** 200-773-6

MDL-Nummer MFCD00064220

Amino Acids, Biochemicals, **Related Categories** Reagents for Cell Culture

Structure

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

> H<sub>2</sub>C -····III NH<sub>2</sub> HO

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 crystals or crystalline

Description powder

Identification

Solubility Freely soluble in water and in

formic acid, practically insoluble in

ethanol

Solubility (2.5% Clear, colourless solution in water)

Transmittance ≥ 98.0% (2.5% in water, 430nm,

10mm cell)

Specific Optical

Rotation

: +27.6 - +28.7 ° (C=8, 6M HCI)

Chloride (CI) : ≤ 0.02% Ammonium ≤ 0.02%

(NH4)

Sulphate (SO4) : ≤ 0.02% Iron (Fe) : ≤ 10ppm Heavy Metals (as Pb) : ≤ 10ppm

Arsenic (As2O3) : ≤ 1ppm

Related

: To pass test

Substances Loss on Drying

: ≤ 0.2%

Sulphated Ash : ≤ 0.1%

рΗ : 5.5 - 6.5 (2.5% in water)

**Endotoxins** : ≤ 6.0EU/q 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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