# Product Datasheet

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

### Product Details

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

### Structure

| | |
|---|---|
| Molecular Weight | : 117.15 |
| Molecular Formula | : $C_5H_{11}NO_2$ |
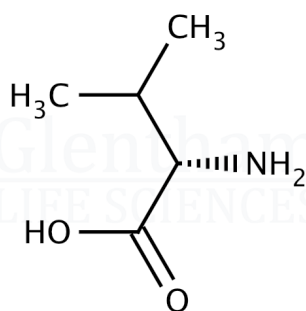


### Storage

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 | : | 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 (NH4) | : | ≤ 0.02% |
| Sulphate (SO4) | : | ≤ 0.02% |
| Iron (Fe) | : | ≤ 10ppm |
| Heavy Metals (as Pb) | : | ≤ 10ppm |
| Arsenic (As2O3) | : | ≤ 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.