

Glentham Life Sciences Ltd Unit 5 Leafield Way Corsham SN13 9SW United Kingdom

t: +44 (0) 1225 667 798 f: +44 (0) 2033 978 909 e: info@glentham.com w: www.glentham.com

# **Product Datasheet**

## GM6473 - L-Valine

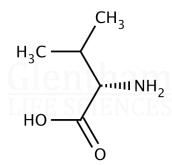
## **Product Details**

Product Name L-Valine
Glentham Code GM6473
CAS Number 72-18-4
EINECS 200-773-6
MDL Number MFCD00064220
PubChem SID 310281625

Related Categories Amino Acids, Biocher

Amino Acids, Biochemicals, Reagents for Cell Culture, Cosmetic Raw Materials

### **Structure**



### 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

: +26.6 - +28.8 °

Assay : 98.5 - 101.0 %

Identification : IR

pH : 5.5 - 7.0

Specific Optical Rotation

Residue on : ≤ 0.1%

Ignition

Loss on Drying :  $\leq 0.5\%$ Chloride (CI) :  $\leq 500$ ppm Iron (Fe) :  $\leq 30$ ppm

Sulphate (SO4) : ≤ 300ppm

Ammonium : ≤ 200ppm

Heavy Metals : ≤ 15ppm

Lead (Pb) : ≤ 3ppm

Arsenic (As) : ≤ 1ppm

Cadmium (Cd) : ≤ 1ppm

Pharmacopoeia : Conforms to USP

≤ 0.1ppm

Specification(s)

Mercury (Hg)

Version : v1.0

#### **About L-Valine**

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.

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2024

Page 1 of 1 Printed: 2024-05-13 03:31:06