

## Product Datasheet

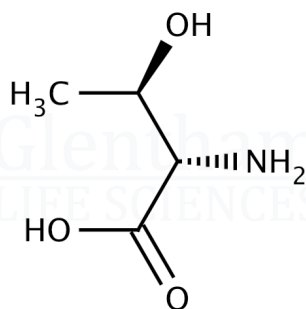
### GM4012 - L-Threonine, GlenCell™, suitable for cell culture

#### Product Details

Product Name	L-Threonine, GlenCell™, suitable for cell culture
Glenthams Code	GM4012
CAS Number	72-19-5
EINECS	200-774-1
MDL Number	MFCD00064270
Related Categories	Amino Acids, Biochemicals, Reagents for Cell Culture

#### Structure

Molecular Weight	: 119.12
Molecular Formula	: C <sub>4</sub> H <sub>9</sub> NO <sub>3</sub>



Physical Description	: White crystals or crystalline powder
Identification	: IR
Solubility	: Freely soluble in formic acid, soluble in water, practically insoluble in ethanol
Solubility (10% in water)	: Clear, colourless solution
Transmittance	: ≥ 98.0% (10% in water, 430nm, 10mm cell)
Specific Optical Rotation	: -27.6 - -29.0 ° (C=6, H <sub>2</sub> O)
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	: 5.2 - 6.2 (1% in water)
Endotoxins	: ≤ 6.0EU/g
Assay	: 99.0 - 101.0 %
Origin	: Non-animal origin
Version	: v1.0

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

No further details on record.

#### Storage

Recommended storage temperature: +20°C.

#### Hazards and Transport

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

#### Glenthams Product Specification

This document was generated electronically and is therefore valid without signature. © Glenthams Life Sciences Ltd, 2025