

## Product Datasheet

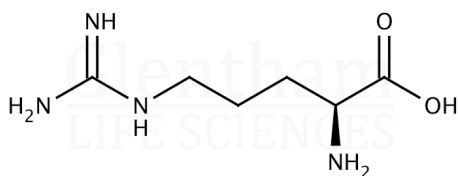
### GM1092 - L-Arginine, GlenCell™, suitable for cell culture

#### Product Details

Product Name	L-Arginine, GlenCell™, suitable for cell culture
Glentham Code	GM1092
CAS Number	74-79-3
EINECS	200-811-1
MDL-Nummer	MFCD00002635
Related Categories	Amino Acids, Biochemicals, Reagents for Cell Culture

#### Structure

Molecular Weight	: 174.20
Molecular Formula	: C <sub>6</sub> H <sub>14</sub> N <sub>4</sub> O <sub>2</sub>



Physical Description	: White crystalline powder
Identification	: IR
Solubility	: Freely soluble in water and in formic acid, practically insoluble in ethanol
Solubility (10% in water)	: Clear, colourless solution
Transmittance	: ≥ 98.0% (10% in water, 430nm, 10mm cell)
Specific Optical Rotation	: +26.9 - +27.9 °
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
Any Unspecified Impurity	: ≤ 0.2%
Total Impurities	: ≤ 2.0%
Residue on Ignition	: ≤ 0.1%
Loss on Drying	: ≤ 0.3%
pH (10% in water)	: 10.5 - 12.0
Endotoxins	: ≤ 6.0EU/g
Assay	: 98.5 - 101.0 % (dried basis)
Origin	: Non-animal origin
Version	: v1.0

#### Storage

Recommended storage temperature: +20°C.

#### Hazards and Transport

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

#### Glentham Product Specification

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

Arginine is an alpha-amino acid that is classified as semi-essential in humans. It is used in the biomanufacturing of recombinant proteins and monoclonal antibodies. It is an important constituent in cell culture media.

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