

## Product Datasheet

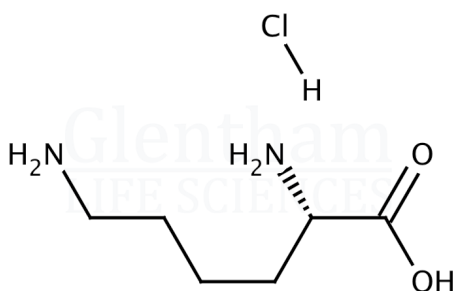
### GM9011 - L-Lysine monohydrochloride, GlenCell™, suitable for cell culture

#### Product Details

Product Name	L-Lysine monohydrochloride, GlenCell™, suitable for cell culture
Glentham Code	GM9011
CAS Number	657-27-2
EINECS	211-519-9
MDL Number	MFCD00064564
Related Categories	Amino Acids, Biochemicals, Reagents for Cell Culture

#### Structure

Molecular Weight	: 182.65
Molecular Formula	: $C_6H_{14}N_2O_2 \cdot HCl$



#### 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 powder
Identification	: IR
Solubility	: Freely soluble in formic acid, sparingly soluble in water, practically insoluble in ethanol
Solubility (10% in water)	: Clear, colourless solution
Transmittance	: $\geq 98.0\%$ (10% in water, 430nm, 10mm cell)
Specific Optical Rotation	: +20.8 - +21.5 ° (C=8, 6M HCl)
Chloride (Cl)	: 19.12 - 19.51 %
Ammonium (NH <sub>4</sub> )	: $\leq 0.02\%$
Sulphate (SO <sub>4</sub> )	: $\leq 0.02\%$
Iron (Fe)	: $\leq 10\text{ppm}$
Heavy Metals (as Pb)	: $\leq 10\text{ppm}$
Arsenic (As <sub>2</sub> O <sub>3</sub> )	: $\leq 1\text{ppm}$
Related Substances	: To pass test
Loss on Drying	: $\leq 0.4\%$
Sulphated Ash	: $\leq 0.1\%$
pH	: 5.0 - 6.0 (10% in water)
Endotoxins	: $\leq 6.0\text{EU/g}$
Assay	: 98.5 - 101.0 %
Origin	: Non-animal origin
Version	: v1.0

#### About L-Lysine monohydrochloride, GlenCell™, suitable for cell culture

The monohydrochloride form of lysine, an alpha-amino acid that is 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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