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Product Datasheet

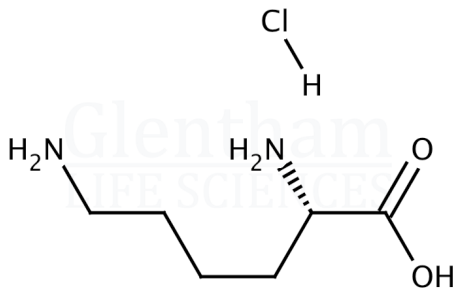
GM9011 - L-Lysine monohydrochloride, GlenCell™, suitable for cell culture

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-Nummer	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	:	≥ 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 (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	:	≤ 0.4%
Sulphated Ash	:	≤ 0.1%
pH	:	5.0 - 6.0 (10% in water)
Endotoxins	:	≤ 6.0EU/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.