

Product Datasheet

GM7532 - L-Lysine

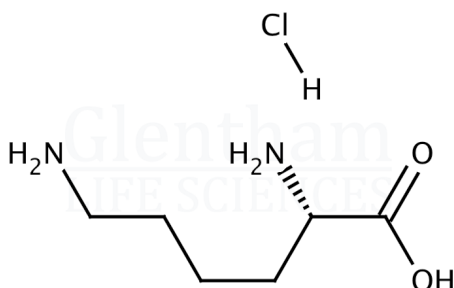
monohydrochloride

Product Details

Product Name	L-Lysine monohydrochloride
Glentham Code	GM7532
CAS Number	657-27-2
EINECS	211-519-9
MDL-Nummer	MFCD00064564
PubChem SID	310275930
Related Categories	Amino Acids, Biochemicals, Raw Materials (IVD)

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 crystalline powder or colourless crystals
Identification	: IR
Solubility (10% in water)	: Clear, colourless solution
pH (10% in water)	: 5.0 - 6.0
Specific Optical Rotation	: +20.4 - +21.4 °
Chloride (Cl)	: 19.0 - 19.6 %
Sulphate	: ≤ 0.03%
Iron (Fe)	: ≤ 30ppm
Heavy Metals	: ≤ 15ppm
Organic Impurities	: Any Individual Impurity: ≤ 0.5%
	: Total Impurities: ≤ 2.0%
Residue on Ignition	: ≤ 0.1%
Cadmium (Cd)	: ≤ 1ppm
Lead (Pb)	: ≤ 3ppm
Mercury (Hg)	: ≤ 0.1ppm
Arsenic (As)	: ≤ 1ppm
Loss on Drying	: ≤ 0.4%
Assay	: 99.0 - 101.0 % (dried basis)
Pharmacopoeia Specification(s)	: USP
Version	: v1.1

About L-Lysine monohydrochloride

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.

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