

## Product Datasheet

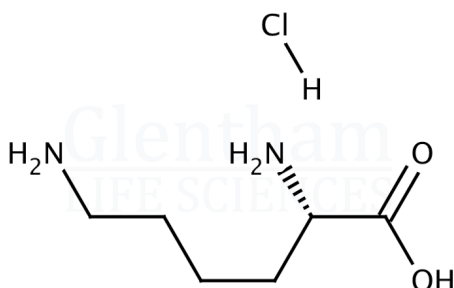
### GM7532 - L-Lysine monohydrochloride

#### Product Details

Product Name	L-Lysine monohydrochloride
Glentham Code	GM7532
CAS Number	657-27-2
EINECS	211-519-9
MDL Number	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.

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