

Product Datasheet

GM0350 - L-Lysine monohydrate

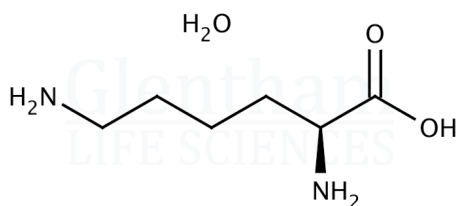
Product Details

Product Name	L-Lysine monohydrate
Glentham Code	GM0350
CAS Number	39665-12-8
EINECS	200-294-2
MDL-Nummer	MFCD00151035
PubChem SID	310275928
Related Categories	Amino Acids, Biochemicals, Raw Materials (IVD), Reagents for Cell Culture

Physical Description	: White to light-yellow crystalline powder
Assay	: $\geq 98.0\%$ (dried basis)
Specific Optical Rotation	: $+24 - +27^\circ$
Chloride (Cl)	: $\leq 0.1\%$
Ammonium (NH ₄)	: $\leq 0.02\%$
Iron (Fe)	: $\leq 10\text{ppm}$
Heavy Metals (as Pb)	: $\leq 10\text{ppm}$
Residue on Ignition	: $\leq 0.5\%$
Loss on Drying	: 9.0 - 11.0 %
Version	: v1.0

Structure

Molecular Weight	: 164.21
Molecular Formula	: $\text{C}_6\text{H}_{14}\text{N}_2\text{O}_2 \cdot \text{H}_2\text{O}$



About L-Lysine monohydrate

Lysine is 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.

Storage

Recommended storage temperature: $+20^\circ\text{C}$.

Hazards and Transport

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

Glentham Product Specification

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