

## Product Datasheet

### GM0350 - L-Lysine monohydrate

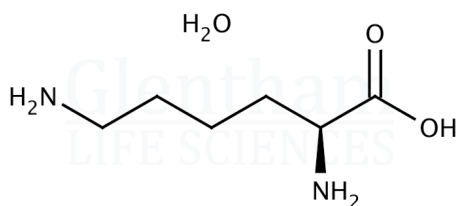
#### Product Details

Product Name	L-Lysine monohydrate
Glentham Code	GM0350
CAS Number	39665-12-8
EINECS	200-294-2
Numéro MDL	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 <sub>4</sub> )	: $\leq 0.02\%$
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

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