



LKT Laboratories, Inc.

L-(+)-Lysine Monohydrate

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Product Information

Product ID L9874

CAS No. 39665-12-8

Chemical Name L-(+)-2,6-Diaminocaproic acid

Synonym L-Lysine monohydrate, L-Lysine hydrate, H-Lys-OH.H₂O

Formula C₆H₁₄N₂O₂ · H₂O

Formula Wt. 164.20

Melting Point 212-214 °C

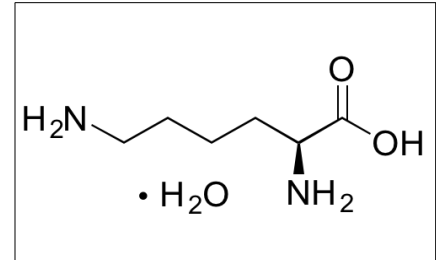
Purity ≥95%

Solubility Soluble in water (300 g/L).

Store Temp Ambient

Ship Temp Ambient

Description Lysine is a non-endogenous essential amino acid found in meat, soy, and dairy products. Lysine is required for the production of acetyl-CoA, collagen, antibodies, and hormones, and is also necessary for muscle recovery and protein synthesis. Lysine may exhibit anxiolytic activity on its own, as in vivo studies indicate that low levels of lysine are associated with high levels of stress-induced anxiety.



Bulk quantities available upon request

Product ID	Size
L9874	5 g
L9874	25 g
L9874	100 g

References Sadoul K, Boyault C, Pabion M, et al. Regulation of protein turnover by acetyltransferases and deacetylases. *Biochimie*. 2008 Feb;90(2):306-12. PMID: 17681659.

Smriga M, Kameishi M, Uneyama H, et al. Dietary L-lysine deficiency increases stress-induced anxiety and fecal excretion in rats. *J Nutr*. 2002 Dec;132(12):3744-6. PMID: 12468617.

Young VR, Pellett PL. Plant proteins in relation to human protein and amino acid nutrition. *Am J Clin Nutr*. 1994 May;59(5 Suppl):1203S-1212S. PMID: 8172124.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.