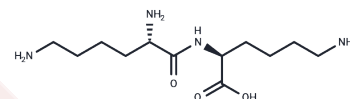


Lysyllysine

Chemical Properties

CAS No. :	13184-13-9
Formula:	C ₁₂ H ₂₆ N ₄ O ₃
Molecular Weight:	274.36
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Lysyllysine is a dipeptide composed of two lysine residues. It is an incomplete breakdown product of protein digestion or protein catabolism. Some dipeptides are known to have physiological or cell-signaling effects although most are simply short-lived intermediates on their way to specific amino acid degradation pathways following further proteolysis. This dipeptide has not yet been identified in human tissues or biofluids and so it is classified as an 'Expected' metabolite.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6448 mL	18.2242 mL	36.4485 mL
5 mM	0.729 mL	3.6448 mL	7.2897 mL
10 mM	0.3645 mL	1.8224 mL	3.6448 mL
50 mM	0.0729 mL	0.3645 mL	0.729 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Fenderson BA, Zehavi U, Hakomori S. A multivalent lacto-N-fucopentaose III-lysyllysine conjugate decompacts preimplantation mouse embryos, while the free oligosaccharide is ineffective. *J Exp Med*. 1984 Nov 1;160(5):1591-6. PubMed PMID: 6491606; PubMed Central PMCID: PMC2187492.

Jackson LP. Structure and mechanism of COPI vesicle biogenesis. *Curr Opin Cell Biol*. 2014 Aug;29:67-73. doi: 10.1016/j.cecb.2014.04.009. Epub 2014 May 17. Review. PubMed PMID: 24840894.

Sun Y, Kaplan JA, Shieh A, Sun HL, Croce CM, Grinstaff MW, Parquette JR. Self-assembly of a 5-fluorouracil-dipeptide hydrogel. *Chem Commun (Camb)*. 2016 Apr 18;52(30):5254-7. doi: 10.1039/c6cc01195k. Epub 2016 Mar 21. PubMed PMID: 26996124.

Abraham O, Gotliv K, Parnis A, Boncompain G, Perez F, Cassel D. Control of protein trafficking by reversible masking of transport signals. *Mol Biol Cell*. 2016 Apr 15;27(8):1310-9. doi: 10.1091/mbc.E15-07-0472. Epub 2016 Mar 3. PubMed PMID: 26941332; PubMed Central PMCID: PMC4831884.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481