Data Sheet (Cat.No.T33091)



Lysyllysine

Chemical Properties

CAS No.: 13184-13-9

Formula: C12H26N4O3

Molecular Weight: 274.36

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

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.

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.

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-

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