

Leucyl-leucyl-leucine

Chemical Properties

CAS No. : 10329-75-6

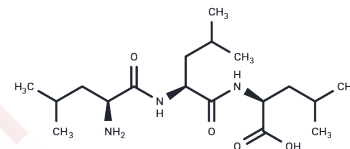
Formula: C₁₈H₃₅N₃O₄

Molecular Weight: 357.49

Keep away from moisture

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	Leucyl-leucyl-leucine is may be used for pH-dependent endosomal membrane disruption to release agents. Trileucine is used to evaluate the absorption characteristics of reversed phase liquid chromatography (HPLC) media.
Targets(IC50)	Amino Acids and Derivatives

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7973 mL	13.9864 mL	27.9728 mL
5 mM	0.5595 mL	2.7973 mL	5.5946 mL
10 mM	0.2797 mL	1.3986 mL	2.7973 mL
50 mM	0.0559 mL	0.2797 mL	0.5595 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

Go K, Parthasarathy R. Crystal structure and a twisted beta-sheet conformation of the tripeptide L-leucyl-L-leucyl-L-leucine monohydrate trimethanol solvate: conformation analysis of tripeptides. *Biopolymers*. 1995 Nov;36(5): 607-14. PubMed PMID: 7578952.

Strauch KL, Carter TH, Miller CG. Overproduction of *Salmonella typhimurium* peptidase T. *J Bacteriol*. 1983 Nov;156 (2):743-51. PubMed PMID: 6313618; PubMed Central PMCID: PMC217891.

Felsenberg J, Dyck Y, Kloß A, Dahlmann B, Kloetzel PM, Eisenhardt D. Two inhibitors of the ubiquitin proteasome system enhance long-term memory formation upon olfactory conditioning in the honeybee (*Apis mellifera*). *J Exp Biol*. 2014 Oct 1;217(Pt 19):3441-6. doi: 10.1242/jeb.108142. Epub 2014 Jul 25. PubMed PMID: 25063852.

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