

Thioctoyl tripeptide-1

Chemical Properties

CAS No. : 1097629-59-8

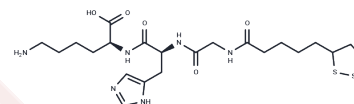
Formula: C₂₂H₃₆N₆O₅S₂

Molecular Weight: 528.69

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	Thioctoyl tripeptide-1 is a peptide.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8915 mL	9.4573 mL	18.9147 mL
5 mM	0.3783 mL	1.8915 mL	3.7829 mL
10 mM	0.1891 mL	0.9457 mL	1.8915 mL
50 mM	0.0378 mL	0.1891 mL	0.3783 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

Zheng T, Wu C, Chen M, Zhang Y, Cummings PT. Molecular mechanics of the cooperative adsorption of a Pro-Hyp-Gly tripeptide on a hydroxylated rutile TiO₂(110) surface mediated by calcium ions. *Phys Chem Chem Phys*. 2016 Jul 20;18(29):19757-64. doi: 10.1039/c6cp03046g. PubMed PMID: 27383367.

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Ribić R, Habjanec L, Frkanec R, Vranešić B, Tomić S. Influence of mannosylation on immunostimulating activity of adamant-1-yl tripeptide. *Chem Biodivers*. 2012 Jul;9(7):1373-81. doi: 10.1002/cbdv.201200008. PubMed PMID: 22782883.

Vargiu AV, Iglesias D, Styan KE, Waddington LJ, Easton CD, Marchesan S. Design of a hydrophobic tripeptide that self-assembles into amphiphilic superstructures forming a hydrogel biomaterial. *Chem Commun (Camb)*. 2016 May 1;52(35):5912-5. doi: 10.1039/c5cc10531e. Epub 2016 Mar 21. PubMed PMID: 26998534.

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