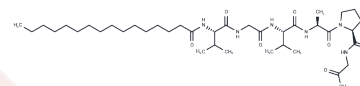


Palmitoyl hexapeptide-12

Chemical Properties

CAS No. :	171263-26-6
Formula:	C38H68N6O8
Molecular Weight:	736.98
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Palmitoyl hexapeptide-12 is a bioactive peptide that penetrates the skin's surface layer and enhances the barrier function of the lipid-deficient stratum corneum, providing skincare benefits.
Targets(IC50)	Others

Solubility Information

Solubility	H2O: < 1 mg/mL (insoluble) DMSO: 1 mg/mL (1.36 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3569 mL	6.7844 mL	13.5689 mL
5 mM	0.2714 mL	1.3569 mL	2.7138 mL
10 mM	0.1357 mL	0.6784 mL	1.3569 mL
50 mM	0.0271 mL	0.1357 mL	0.2714 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

Pintea A, et al. Peptides: Emerging Candidates for the Prevention and Treatment of Skin Senescence: A Review. *Biomolecules*. 2025 Jan 9;15(1):88.

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Ligorio C, et al. Noninvasive Monitoring of Palmitoyl Hexapeptide-12 in Human Skin Layers: Mechanical Interaction with Skin Components and Its Potential Skincare Benefits. *ACS Appl Bio Mater*. 2025;8(3):2340-2355.

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