

Pentapeptide-4

Chemical Properties

CAS No. : 149128-48-3

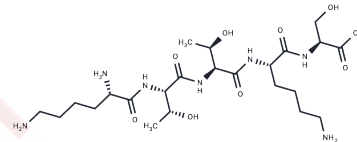
Formula: C₂₃H₄₅N₇O₉

Molecular Weight: 563.64

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

Pentapeptide-4 is a matrikine utilized in anti-wrinkle cosmetics.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7742 mL	8.8709 mL	17.7418 mL
5 mM	0.3548 mL	1.7742 mL	3.5484 mL
10 mM	0.1774 mL	0.8871 mL	1.7742 mL
50 mM	0.0355 mL	0.1774 mL	0.3548 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

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Shah S, Heddle JG. Squaring up to DNA: pentapeptide repeat proteins and DNA mimicry. *Appl Microbiol Biotechnol*. 2014 Dec;98(23):9545-60. doi: 10.1007/s00253-014-6151-3. Epub 2014 Oct 26. Review. PubMed PMID: 25343976.

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