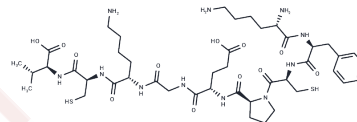


Sperm-activating peptide 1

Chemical Properties

CAS No. :	140653-60-7
Formula:	C44H71N11O12S2
Molecular Weight:	1010.23
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	Sperm-activating peptide 1 is a bioactive chemical.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9899 mL	4.9494 mL	9.8987 mL
5 mM	0.198 mL	0.9899 mL	1.9797 mL
10 mM	0.099 mL	0.4949 mL	0.9899 mL
50 mM	0.0198 mL	0.099 mL	0.198 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

- Nakachi M, Hoshi M, Matsumoto M, Moriyama H. Conserved sequences of sperm-activating peptide and its receptor throughout evolution, despite speciation in the sea star *Asterias amurensis* and closely related species. *Zygote*. 2008 Aug;16(3):229-37. doi: 10.1017/S0967199408004759. Epub 2008 Jun 26. PubMed PMID: 18578950.
- Suzuki N. Diverse isoforms of guanylyl cyclases in the gonads of echinoderms and medaka fish. *Zygote*. 2000;8 Suppl 1:S22-3. Review. PubMed PMID: 11191293.
- Yoshino K, Takao T, Shimonishi Y, Suzuki N. Determination of the amino acid sequence of an intramolecular disulfide linkage-containing sperm-activating peptide by tandem mass spectrometry. *FEBS Lett*. 1991 Dec 9;294(3):179-82. PubMed PMID: 1756858.

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