

Piscidin-1 (22-42) (TFA)

Chemical Properties

CAS No.:	TP1521
Formula:	C ₁₁₆ H ₁₇₇ F ₃ N ₃ O ₂₃ S
Molecular Weight:	2448.93
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Piscidin-1 (22-42) (TFA) is a highly potent, multi-functional Antimicrobial Peptide (AMP) produced by Orange-spotted grouper (<i>Epinephelus coioides</i>).
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Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.408 mL	2.042 mL	4.083 mL
5 mM	0.082 mL	0.408 mL	0.817 mL
10 mM	0.041 mL	0.204 mL	0.408 mL
50 mM	0.008 mL	0.041 mL	0.082 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Neshani A, et al. Epinecidin-1, a highly potent marine antimicrobial peptide with anticancer and immunomodulatory activities. BMC Pharmacol Toxicol. 2019 May 28;20(1):33.

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