

## Piscidin-1 (22-42)

## Chemical Properties

CAS No. :

Formula: C114H176N30O21S

Molecular Weight: 2334.91

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	Piscidin-1 (22-42) is a highly potent, multifunctional Antimicrobial Peptide (AMP) produced by the Orange-spotted grouper ( <i>Epinephelus coioides</i> ).
Targets(IC50)	Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4283 mL	2.1414 mL	4.2828 mL
5 mM	0.0857 mL	0.4283 mL	0.8566 mL
10 mM	0.0428 mL	0.2141 mL	0.4283 mL
50 mM	0.0086 mL	0.0428 mL	0.0857 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

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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