

Piscidin-1 (22-42) (TFA)

Chemical Properties

CAS No. :

Formula: C116H177F3N3O23S

Molecular Weight: 2448.93

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) (TFA) is a highly potent, multi-functional Antimicrobial Peptide (AMP) produced by Orange-spotted grouper (<i>Epinephelus coioides</i>).
Targets(IC50)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4083 mL	2.0417 mL	4.0834 mL
5 mM	0.0817 mL	0.4083 mL	0.8167 mL
10 mM	0.0408 mL	0.2042 mL	0.4083 mL
50 mM	0.0082 mL	0.0408 mL	0.0817 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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