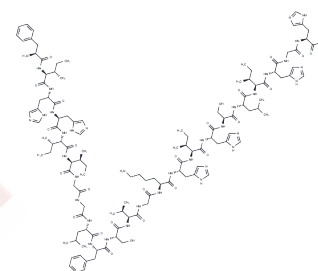


Tilapia piscidin 3

Chemical Properties

CAS No. :	2026639-29-0
Formula:	C121H182N36O26
Molecular Weight:	2556.97
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	Tilapia piscidin 3, an antimicrobial peptide, exhibits antibacterial properties effective against both gram-positive and gram-negative bacteria. It has demonstrated minimum inhibitory concentrations (MICs) of 2.44 µg/mL for <i>V. vulnificus</i> 204 and <i>V. alginolyticus</i> , 9.78 µg/mL for <i>S. agalactiae</i> 819, 19.55 µg/mL for <i>E. faecalis</i> BCRC 10066, and 0.61 µg/mL for <i>S. agalactiae</i> BCRC 10787. Additionally, it presents hemolytic activity on fish red blood cells [1].
Targets(IC50)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3911 mL	1.9554 mL	3.9109 mL
5 mM	0.0782 mL	0.3911 mL	0.7822 mL
10 mM	0.0391 mL	0.1955 mL	0.3911 mL
50 mM	0.0078 mL	0.0391 mL	0.0782 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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