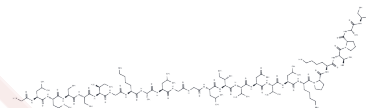


Aurein 5.2

Chemical Properties

CAS No. :	302343-22-2
Formula:	C110H194N28O32S
Molecular Weight:	2452.95
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	Aurein 5.2 is an antibiotic antimicrobial peptide [1]. It is composed of a sequence of 17 amino acids, specifically GLFDIIKKIAESF-NH ₂ , and exhibits a broad spectrum of activity against Gram-positive and Gram-negative bacteria, as well as fungi. This peptide has shown potential for therapeutic applications due to its efficacy and relatively low cytotoxicity.
Targets(IC50)	Antibacterial, Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4077 mL	2.0384 mL	4.0767 mL
5 mM	0.0815 mL	0.4077 mL	0.8153 mL
10 mM	0.0408 mL	0.2038 mL	0.4077 mL
50 mM	0.0082 mL	0.0408 mL	0.0815 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

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