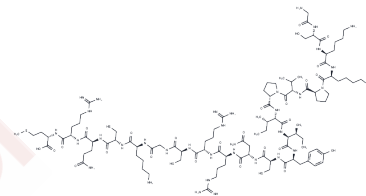


S-Thanatins

Chemical Properties

CAS No. :	1027105-06-1
Formula:	C102H177N35O27S3
Molecular Weight:	2421.91
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	S-Thanatins is an insect-derived antimicrobial peptide exhibiting strong, broad-spectrum antibacterial activity. It effectively inhibits Gram-negative and Gram-positive bacteria, as well as fungi, without causing cytotoxicity. Its antibacterial efficacy remains consistent across different pH levels, though the presence of monovalent cations (Na ⁺ /K ⁺) can dose-dependently diminish its activity against Gram-negative bacteria [1].
Targets(IC50)	Antibacterial, Antifungal

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4129 mL	2.0645 mL	4.129 mL
5 mM	0.0826 mL	0.4129 mL	0.8258 mL
10 mM	0.0413 mL	0.2064 mL	0.4129 mL
50 mM	0.0083 mL	0.0413 mL	0.0826 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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