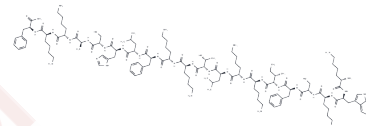


K11

Chemical Properties

CAS No. :	1398109-79-9
Formula:	C123H198N32O23
Molecular Weight:	2493.09
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	K11, an antimicrobial peptide, demonstrates activity against MDR/XDR K. pneumoniae isolates (MIC: 8-512 µg/mL) and inhibits bacterial biofilm formation. It also acts synergistically with various antibiotics (Chloramphenicol, Meropenem, Rifampicin, etc.) to combat drug-resistant K. pneumoniae and exhibits high thermal and wide pH stability [1].
Targets(IC50)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4011 mL	2.0055 mL	4.0111 mL
5 mM	0.0802 mL	0.4011 mL	0.8022 mL
10 mM	0.0401 mL	0.2006 mL	0.4011 mL
50 mM	0.008 mL	0.0401 mL	0.0802 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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