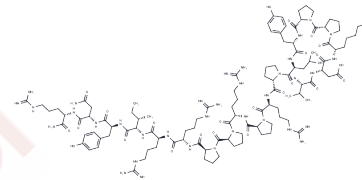


Oncocin

Chemical Properties

CAS No. :	1235497-90-1
Formula:	C109H177N37O24
Molecular Weight:	2389.80
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	Oncocin is an antibacterial peptide classified under proline-rich antimicrobial peptides (PrAMPs). It is effective against Gram-negative bacteria, exhibiting a minimum inhibitory concentration (MIC) range of 0.125-8 µg/mL for 34 clinical isolates and strains of Enterobacteriaceae and non-fermentative bacteria. Oncocin interacts with the substrate-binding domain of the chaperone protein DnaK, with a dissociation constant in the micromolar range. This interaction results in protein misfolding and aggregation, ultimately causing bacterial cell death.
Targets(IC50)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4184 mL	2.0922 mL	4.1845 mL
5 mM	0.0837 mL	0.4184 mL	0.8369 mL
10 mM	0.0418 mL	0.2092 mL	0.4184 mL
50 mM	0.0084 mL	0.0418 mL	0.0837 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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