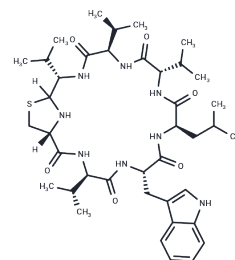


Lugdunin

Chemical Properties

CAS No. :	1989698-37-4
Formula:	C40H62N8O6S
Molecular Weight:	783.04
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	Lugdunin is an antibiotic peptide that disrupts membrane potential in bacteria, demonstrating activity against Gram-positive species including <i>S. aureus</i> , and effectively reducing skin and nasal colonization of this pathogen. Moreover, Lugdunin stimulates the production of LL-37 and CXCL8/MIP-2 in human keratinocytes and mouse skin [1].
Targets(IC50)	Antibacterial, Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2771 mL	6.3854 mL	12.7707 mL
5 mM	0.2554 mL	1.2771 mL	2.5541 mL
10 mM	0.1277 mL	0.6385 mL	1.2771 mL
50 mM	0.0255 mL	0.1277 mL	0.2554 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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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481