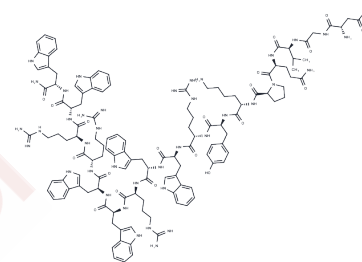


RT2

Chemical Properties

CAS No. :	1539295-33-4
Formula:	C ₁₂₆ H ₁₆₅ N ₃₉ O ₂₀
Molecular Weight:	2545.91
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	RT2 is a cationic amphiphilic antimicrobial peptide rich in tryptophan that primarily targets lipopolysaccharides (LPS) on bacterial surfaces and intracellular DNA. By binding to surface LPS, RT2 interacts with cytoplasmic membrane phospholipids, enabling rapid penetration of the bacterial cell membrane and subsequent binding to cytoplasmic components such as DNA, exerting its antibacterial effects. RT2 holds potential for research into acute and chronic infections caused by planktonic bacteria.
Targets(IC50)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3928 mL	1.9639 mL	3.9279 mL
5 mM	0.0786 mL	0.3928 mL	0.7856 mL
10 mM	0.0393 mL	0.1964 mL	0.3928 mL
50 mM	0.0079 mL	0.0393 mL	0.0786 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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