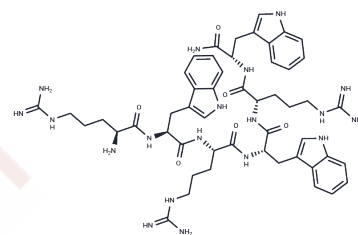


RW3

Chemical Properties

CAS No. :	359632-11-4
Formula:	C51H69N19O6
Molecular Weight:	1044.22
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	RW3 is a cationic hexapeptide with amphiphilic properties that targets the bacterial plasma membrane, inhibiting cell respiration and cell wall synthesis. It demonstrates strong activity against gram-positive bacteria without significant cytotoxic or hemolytic effects as shown in prior studies. RW3 rapidly eliminates 97% of initial colony-forming units (CFU) within 10 minutes at twice the minimum inhibitory concentration (MIC). It is applicable in antimicrobial and antifungal research.
Targets(IC50)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9577 mL	4.7883 mL	9.5765 mL
5 mM	0.1915 mL	0.9577 mL	1.9153 mL
10 mM	0.0958 mL	0.4788 mL	0.9577 mL
50 mM	0.0192 mL	0.0958 mL	0.1915 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