

HG2

Chemical Properties

CAS No. :

Formula: C111H196N26O23S3

Molecular Weight: 2359.1

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	HG2 is an antimicrobial peptide with rapid action, exhibiting anti-biofilm and anti-inflammatory properties. It is particularly efficacious against Gram-positive pathogens, including MRSA strains (MIC: 16-32 µg/mL), and can bind to bacterial lipids, leading to a reduction in ATP concentration within <i>S. aureus</i> MRSA USA300 cells [1].
Targets(IC50)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4239 mL	2.1195 mL	4.2389 mL
5 mM	0.0848 mL	0.4239 mL	0.8478 mL
10 mM	0.0424 mL	0.2119 mL	0.4239 mL
50 mM	0.0085 mL	0.0424 mL	0.0848 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