

## Plectasin

## Chemical Properties

CAS No. :

Formula: C189H267N53O56S7

Molecular Weight: 4401.92

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	Plectasin, a peptide antibiotic derived from saprophytic fungi, can effectively kill <i>Streptococcus pneumoniae</i> in vitro. Additionally, it alleviates experimental peritonitis and pneumonia caused by <i>Streptococcus pneumoniae</i> in mice.
Targets(IC50)	Antibacterial, Antibiotic

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2272 mL	1.1359 mL	2.2717 mL
5 mM	0.0454 mL	0.2272 mL	0.4543 mL
10 mM	0.0227 mL	0.1136 mL	0.2272 mL
50 mM	0.0045 mL	0.0227 mL	0.0454 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

Tel: 781-999-4286

E\_mail: info@targetmol.com

Address: 34 Washington Street, Wellesley Hills, MA 02481