

Bactenecin

Chemical Properties

CAS No.:	116229-36-8
Formula:	C ₆₃ H ₁₁₈ N ₂₄ O ₁₃ S ₂
Molecular Weight:	1483.89
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Bactenecin is a cyclic antimicrobial peptide isolated from bovine neutrophils with potent activity against Bacterial and Fungal species.
Targets(IC ₅₀)	Bacterial: None
In vitro	Bactenecin is a potent 12-aa looped antimicrobial peptide isolated from bovine neutrophils. Bactenecin increases membrane permeability and inhibits the growth and biofilm formation of <i>B. pseudomallei</i> . Bactenecin inhibits the growth of bacteria and yeast and kills the fungus <i>Trichophyton rubrum</i> .

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.674 mL	3.37 mL	6.739 mL
5 mM	0.135 mL	0.674 mL	1.348 mL
10 mM	0.067 mL	0.337 mL	0.674 mL
50 mM	0.013 mL	0.067 mL	0.135 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

- Gallis B, et al. Antimicrobial activity of synthetic bactenecin. *Biotechnol Ther.* 1989-1990;1(4):335-46.
- Radermacher SW, et al. Bactenecin, a leukocytic antimicrobial peptide, is cytotoxic to neuronal and glial cells. *J Neurosci Res.* 1993 Dec 15;36(6):657-62.

Inhibitors · Natural Compounds · Compound Libraries

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:36 Washington Street,Wellesley Hills,MA 02481