

## Bovine tracheal antimicrobial peptide

## Chemical Properties

CAS No. :

Formula: C169H296N58O45S7

Molecular Weight: 4084.98

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	Bovine tracheal antimicrobial peptide, derived from the tracheal mucosa, exhibits antimicrobial efficacy against E. coli D31, K. pneumoniae 13883, S. aureus 25923, P. aeruginosa 27853, and C. albicans 14053, with respective minimum inhibitory concentration (MIC) values ranging from 12-25 µg/ml for the first two pathogens, 25-50 µg/ml for the following two, and 6-12 µg/ml for the latter [1].
Targets(IC50)	Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2448 mL	1.224 mL	2.448 mL
5 mM	0.049 mL	0.2448 mL	0.4896 mL
10 mM	0.0245 mL	0.1224 mL	0.2448 mL
50 mM	0.0049 mL	0.0245 mL	0.049 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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