

SMAP 29 (ovine) TFA

Chemical Properties

CAS No. :

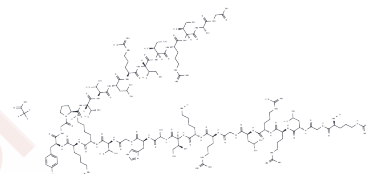
Formula: C146H260N52O32.XCF3COOH

Molecular Weight: 3255.96

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	SMAP 29, a bactericidal antimicrobial peptide and a cleavage product from the C-terminus of an ovine cathelicidin prepropeptide, is effective against <i>P. aeruginosa</i> strain PAO1 in both low- and high-salt conditions, as demonstrated in an energy-dependent luminescence assay with half-maximal effective concentrations (EC50s) of 0.05 and 0.06 μ M, respectively. Additionally, it induces hemolysis in ovine red blood cells in a concentration-dependent manner.
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Solubility Information

Solubility	H2O: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3071 mL	1.5356 mL	3.0713 mL
5 mM	0.0614 mL	0.3071 mL	0.6143 mL
10 mM	0.0307 mL	0.1536 mL	0.3071 mL
50 mM	0.0061 mL	0.0307 mL	0.0614 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

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