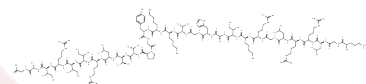


SMAP-29

Chemical Properties

CAS No. :	172485-26-6
Formula:	C146H260N52O32
Molecular Weight:	3256.018
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	SMAP-29 is a broad spectrum antibacterial and antifungal α -helical cathelicidin-derived peptide with strong potential as an anti-infective agent. It effectively permeabilizes bacterial membranes and induces significant alterations in the surface morphology of susceptible microorganisms.
Targets(IC50)	Antibacterial, Antifungal

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3071 mL	1.5356 mL	3.0712 mL
5 mM	0.0614 mL	0.3071 mL	0.6142 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.

Reference

- B Skerlavaj, et al. SMAP-29: a potent antibacterial and antifungal peptide from sheep leukocytes. FEBS Lett. 1999 Dec 10;463(1-2):58-62.
- Rachel C Anderson, et al. Antimicrobial activity and bacterial-membrane interaction of ovine-derived cathelicidins. Antimicrob Agents Chemother

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