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## Product Data Sheet

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Product Name: SMAP-29  
Cat. No.: GC69915

### Chemical Properties

Cas. No. 172485-26-6

Formula  $C_{146}H_{260}N_{52}O_{32}$  M.Wt 3256.02

Solubility Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure

### Background

IC50: bacterial; fungal<sup>[1]</sup>

SMAP-29, a promising **antiinfective** agent, is a broad spectrum antibacterial and antifungal  $\alpha$ -helical cathelicidin-derived peptide. SMAP-29 acts by permeabilizing bacterial membranes and inducing remarkable changes in the surface morphology of susceptible microorganism<sup>[1][2]</sup>.

[1]. 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.

[2]. Rachel C Anderson, et al. Antimicrobial activity and bacterial-membrane interaction of ovine-derived cathelicidins. Antimicrob Agents Chemother

**Caution: Product has not been fully validated for medical applications. For research use only.**

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