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## Product Data Sheet

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Product Name: Omiganan

Cat. No.: GC63454

### Chemical Properties

Cas. No. 204248-78-2

Formula  $C_{90}H_{127}N_{27}O_{12}$

M.Wt 1779.15

Solubility  $H_2O$  : 50 mg/mL (28.10 mM; Need ultrasonic)

Storage Store at  $-20^{\circ}C$

General tips For obtaining a higher solubility , please warm the tube at  $37^{\circ}C$  and shake it in the ultrasonic bath for a while. Stock solution can be stored below  $-20^{\circ}C$  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

Omiganan is a cationic antimicrobial peptide. Omiganan as an analogue of indolicidin shows activity against gram-positive and gram-negative bacteria but also *Candida* spp. isolates. Omiganan can be used for the research of alcohol nose and acne[1][2].

Omiganan results in a statistically significantly reduction in bacterial counts. omiganan reduces the bacterial counts by 3.8 (*S. aureus*), 2.2 (*S. epidermidis*) and 2.3 (*C. albicans*)  $\log_{10}$  CFU/site. Omiganan has rapid bactericidal and fungicidal properties and significant dose-dependent activity against a broad spectrum of infected organisms[2].

[1]. Faccone D, et al. Antimicrobial activity of de novo designed cationic peptides against multi-resistant clinical isolates. *Eur J Med Chem.* 2014;71:31-35.

[2]. Rubinchik E, et al. Antimicrobial and antifungal activities of a novel cationic antimicrobial peptide, omiganan, in experimental skin colonisation models. *Int J Antimicrob Agents.* 2009;34(5):457-461.

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

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