

# Gramicidin

Catalog No: tcsc0020296



## Available Sizes

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**Size:** 50mg

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## Specifications

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**CAS No:**

1405-97-6

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**Formula:**

$C_{99}H_{140}N_{20}O_{17}$

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**Pathway:**

Anti-infection

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**Target:**

Bacterial

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**Purity / Grade:**

>98%

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**Solubility:**

10 mM in DMSO

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**Observed Molecular Weight:**

1882.3

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## Product Description

Gramicidin is an antimicrobial peptide assembling as channels in membranes and increasing their permeability towards cations.

IC50 & Target: Bacterial<sup>[1]</sup>

**In Vitro:** Gramicidin is an antimicrobial peptide assembling as channels in membranes and increasing their permeability towards cations. There is poor Gramicidin activity against *E. coli* and *S. cerevisiae* as shown from the survival of microbes (%) over a range of Gramicidin concentrations, in contrast with the action of Gramicidin on *S. aureus*. The microbicidal activity occurs over a range of low Gramicidin and DODAB concentrations which are not toxic to *S. cerevisiae*<sup>[1]</sup>.

# Gramicidin

All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!