

Gramicidin

Catalog No: tcsc0020296



Available Sizes

Size: 50mg



Specifications

CAS No:

1405-97-6

Formula:

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

Pathway:

Anti-infection

Target:

Bacterial

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

1882.3

Product Description

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

IC50 & Target: Bacterial^[1]

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*^[1].

Gramicidin

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