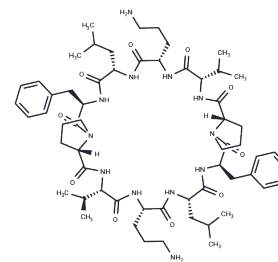


## Gramicidin S

## Chemical Properties

CAS No. :	113-73-5
Formula:	C <sub>60</sub> H <sub>92</sub> N <sub>12</sub> O <sub>10</sub>
Molecular Weight:	1141.45
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	Gramicidin S (Gramicidin Soviet), a cationic cyclic peptide antibiotic, disrupts the membrane integrity of both Gram-positive and Gram-negative bacteria and inhibits cytochrome bd quinol oxidase [1].
Targets(IC50)	ATPase,Antibacterial,Antibiotic

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8761 mL	4.3804 mL	8.7608 mL
5 mM	0.1752 mL	0.8761 mL	1.7522 mL
10 mM	0.0876 mL	0.438 mL	0.8761 mL
50 mM	0.0175 mL	0.0876 mL	0.1752 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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