## **Certificate of Analysis**

## **Gramicidin A**

 Cat. No.:
 HY-P2324

 CAS No.:
 11029-61-1

 Batch No.:
 290258

Chemical Name: Gramicidin A

## PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_{99}H_{140}N_{20}O_{17}$ 

Molecular Weight: 1882.29

**Storage:** Sealed storage, away from moisture

Powder -80°C 2 years

-20°C 1 year

\* In solvent: -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

**Chemical Structure:** 

## ANALYTICAL DATA

Appearance: White to off-white (Solid)

Purity: ≥98.0%

**Conclusion:** The product has been tested and complies with the given specifications.

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

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA