

# Product data sheet



MedKoo Cat#: 576912 Name: Geninthiocin A CAS: 158792-27-9 Chemical Formula: C <sub>50</sub> H <sub>49</sub> N <sub>15</sub> O <sub>15</sub> S Exact Mass: 1131.3253 Molecular Weight: 1132.092		
Product supplied as:		Powder
Purity (by HPLC):		≥ 98%
Shipping conditions		Ambient temperature
Storage conditions:		Powder: -20°C 3 years; 4°C 2 years. In solvent: -80°C 3 months; -20°C 2 weeks.

## 1. Product description:

Geninthiocin A is a cyclic thiopeptide bacterial metabolite originally isolated from *Streptomyces* sp. DD84. It is active against a variety of Gram-positive bacteria, the Gram-negative bacterium *C. violaceum*, and the fungus *M. hiemalis*. Geninthiocin A also induces tipA promoter transcription with a minimum induction concentration of 1.2 ng/ml.

## 2. CoA, QC data, SDS, and handling instruction

SDS and handling instruction, CoA with copies of QC data (NMR, HPLC and MS analytical spectra) can be downloaded from the product web page under "QC And Documents" section. Note: copies of analytical spectra may not be available if the product is being supplied by MedKoo partners. Whether the product was made by MedKoo or provided by its partners, the quality is 100% guaranteed.

## 3. Solubility data

Solvent	Max Conc. mg/mL	Max Conc. mM
TBD	TBD	TBD

## 4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	0.88 mL	4.42 mL	8.83 mL
5 mM	0.18 mL	0.88 mL	1.77 mL
10 mM	0.09 mL	0.44 mL	0.88 mL
50 mM	0.02 mL	0.09 mL	0.18 mL

## 5. Molarity Calculator, Reconstitution Calculator, Dilution Calculator

Please refer the product web page under section of "Calculator"

## 6. Recommended literature which reported protocols for in vitro and in vivo study

In vitro study

TBD

In vivo study

TBD

## 7. Bioactivity

Biological target:

A cyclic thiopeptide bacterial metabolite.

In vitro activity

TBD

In vivo activity

TBD

*Note: The information listed here was extracted from literature. MedKoo has not independently retested and confirmed the accuracy of these methods. Customer should use it just for a reference only.*