

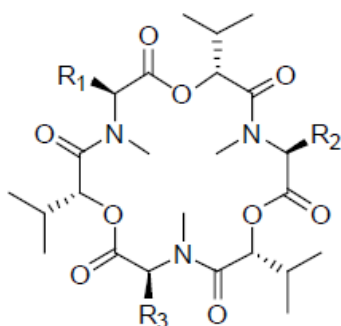
## CERTIFICATE OF ANALYSIS

**PRODUCT:**

**Enniatin complex,**

Isolated from *Fusarium* sp. MST-FP1765

C<sub>33</sub>H<sub>57</sub>N<sub>3</sub>O<sub>9</sub> (based on Enniatin B as major component),  
M.W. 639.8, CAS# [11113-62-5]



	R <sub>1</sub>	R <sub>2</sub>	R <sub>3</sub>	MWt
A	s-Bu	s-Bu	s-Bu	681.9
A <sub>1</sub>	i-Pr	s-Bu	s-Bu	667.8
B	i-Pr	i-Pr	i-Pr	639.8
B <sub>1</sub>	i-Pr	i-Pr	s-Bu	653.9
C	i-Bu	i-Bu	i-Bu	681.9
D	i-Pr	i-Pr	i-Bu	653.9
E	i-Pr	s-Bu	i-Bu	667.9
F	s-Bu	s-Bu	i-Bu	681.9

**PRODUCT NUMBER:**

E-2032

**LOT NUMBER:**

B1702

**APPEARANCE:**

White to off-white powder

**SOLUBILITY:**

Soluble in ethanol, methanol, DMF or DMSO

**PURITY (HPLC):**

> 95%

**APPLICATION NOTES:**

Enniatins are a complex of depsipeptides produced by several *Fusarium* species. Typically, the complex contains 4 major components: A, A<sub>1</sub>, B and B<sub>1</sub> together with minor amounts of Enniatin C, D, E and F. The enniatins have been shown to act as ionophores. Recently, their effects on acyl-CoA cholesterol transferase, as nematocides and the selectivity of their antitumor action have received more focus.

# A.G. Scientific, Inc.

6450 Lusk Blvd. Suite E102

SAN DIEGO, CA

92121



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**STORAGE & HANDLING:** Store at -20°C.  
**PROTECT FROM LIGHT! WARNING: TOXIC!**

CAUTION: For laboratory research & scientific manufacturing use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: DD