



CERTIFICATE of ANALYSIS

PRODUCT: **Apicidin**, from *Fusarium sp.*
[*cyclo-L-(2-Amino-8-oxodecanoyl)-L-(N-methoxytryptophan)-L-isoleucyl-D-pipecolinyl; Cyclo(N-O-methyl-Ltryptophanyl-L-isoleucinyl-D-pipecolinyl-L-2-amino-8-oxodecanoyl)*],
C₃₄H₄₉N₅O₆, M.W. 623.78, CAS# [183506-66-3]

PRODUCT NUMBER: A-1264

LOT NUMBER: B1847

APPEARANCE: White Powder

SOLUBILITY: ETOH, DMSO: Clear colorless solution at 1 mg/ml.

PURITY (TLC): > 99% (NP, EtOAc 100%)
Detection: Spray with H₂SO₄ + heat and UV long > 99% (RP C18, Methanol, H₂O 9:1)

PURITY (HPLC): 99.9%

MELTING POINT: 190°C

PRODUCT DESCRIPTION: Potent cell permeable inhibitor of histone deacetylase. Cyclic peptide antibiotic with broad spectrum antiparasitic and antiprotozoan activity. A histone deacetylase inhibitor, apicidin is anti-angiogenic and induces apoptosis.

STORAGE & HANDLING: Keep cool and dry at -20°C. **WARNING: VERY 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