

CERTIFICATE of ANALYSIS

PRODUCT:	Verruculogen C ₂₇ H ₃₃ N ₃ O ₇ , M.W. 511.6, CAS# [12771-72-1]
PRODUCT NUMBER:	V-1000
LOT NUMBER:	B1947B
APPEARANCE:	White Powder
SOLUBILITY:	Clear colorless solution (10 mg/ml EtOAc)
MELTING POINT:	235°C
PURITY (HPLC):	97.3% (RP C ₁₈ , H ₂ O 0% ⇒ acetonitrile 100% in 15min., 277nm).
PURITY (TLC):	> 98% (NP, toluene, EtOAc, HCOOH 5:4:1) <i>Detection: Spray with H₂SO₄ and heat</i> > 98% (RP C ₁₈ , MeOH, H ₂ O 95:5)
DESCRIPTION / APPLICATION:	From <i>Penicillium simplicissimum</i> . Verruculogen is a tremorgenic mycotoxin. Verruculogen decreases GABA levels in CNS. Tremorgenic doses of verruculogen increase the number and decrease the affinity of DHP receptors in rat cortex. Verruculogen is a potent inhibitor of high conductance Ca activated K (maxi-K) channel.
STORAGE & HANDLING:	Store desiccated at -20°C. PROTECT FROM LIGHT! <u>WARNING:</u> 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:

