



CERTIFICATE of ANALYSIS

PRODUCT:	Tentoxin , From <i>Alternaria alternata</i> C ₂₂ H ₃₀ N ₄ O ₄ , M.W. 414.5, CAS# [28540-82-1]
PRODUCT NUMBER:	T-1200
LOT NUMBER:	B1047B
APPEARANCE:	Off-white powder
PRODUCT DESCRIPTION:	Cyclic tetrapeptide from fungus <i>Alternaria</i> .
APPLICATIONS:	Tentoxin was used to eliminate polyphenol oxidase (PPO) activity from seedlings of higher plants
PURITY (TLC):	99% (NP, CH ₂ Cl ₂ , methanol 95:5) 99% (RP C18, methanol: H ₂ O 9:1)
<i>*Detection: Spray with H₂SO₄ and heat</i>	
PURITY (HPLC):	98.57%
SOLUBILITY:	DMSO/methanol: Clear colorless solution at 10 mg/ml.
λ MAX:	(Methanol) 205, 283nm
MELTING POINT:	175-180°C
STORAGE & HANDLING:	Store at +4°C. <u>WARNING:</u> HARMFUL!

CAUTION: For research 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