



CERTIFICATE of ANALYSIS

PRODUCT: **Tunicamycin**, from *Streptomyces lysosuperficus*
C₃₉H₆₄N₄O₁₆ (for n = 10), M.W. 840.0 (for n = 10),
CAS# [11089-65-9]

PRODUCT NUMBER: T-1016

LOT NUMBER: B1694

APPEARANCE: Off-white Powder

APPLICATION: Tunicamycins inhibit protein glycosylation. They arrest cell cycle in late G1.

SOLUBILITY: DMSO: Clear colorless solution at 50 mg/ml
Methanol: Clear colorless solution at 5 mg/ml

PURITY (TLC): 99% (NP, butanol, H₂O, ACOOH 60:25:15)
99% (RP C18, methanol, H₂O 9:1)
**Detection: Spray with H₂SO₄ and heat*

PURITY (HPLC): A: 7.17%
B: 34.33%
C: 43.99%
D: 14.48%

MELTING POINT: 258-260°C

E1%: 114.9 (260nM, methanol)

STORAGE & HANDLING: Store at +4°C. For long term storage, store at -20°C.
WARNING: VERY TOXIC!
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