



CERTIFICATE of ANALYSIS

PRODUCT: **Oligomycin A,**
from *Streptomyces sp.* MST- AS5339
C₄₅H₇₄O₁₁, M.W. 791.1, CAS# [579-13-5]

PRODUCT NUMBER: O-1063

LOT NUMBER: B1882

APPEARANCE: White solid

SOLUBILITY: Ethanol, methanol, DMF or DMSO

PURITY (HPLC): >95%

APPLICATION NOTES: Oligomycin A is the dominant analogue of a class macrocyclic lactones isolated from selected strains of *Streptomyces sp.* Oligomycin A is an inhibitor of mitochondrial F1FO-ATPase. It induces apoptosis in a variety of cell types, makes cells more susceptible to cell death and also leads to a switch in the death mode from apoptosis to necrosis. Oligomycin exhibits a broad biological profile including antifungal, antitumor and nematocidal activities.

STORAGE & HANDLING: Store at -20°C. **PROTECT FROM LIGHT!**
WARNING: HARMFUL! MAY BE MUTAGENIC!

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