

CERTIFICATE OF ANALYSIS

PRODUCT:	A23187 (free acid) [Calcium ionophore A23187; Calcimycin, Antibiotic A23187] C ₂₉ H ₃₇ N ₃ O ₆ , M.W. 523.6, CAS#[52665-69-7]
PRODUCT NUMBER:	A-1020
LOT NUMBER:	G1239
APPEARANCE:	White powder
SOLUBILITY: (10 mg/ml CH ₂ Cl ₂)	Clear colorless solution
PURITY (TLC): Detection: Spray with H ₂ SO ₄ and heat	> 99% (NP, CH ₃ OH, Acetone 1:1) > 99% (RP C18, CH ₃ OH, Acetone 1:1)
PURITY (HPLC): (RP 18e Chromolith (100x4.6), isocratic 0.1% TFA: CH ₃ CH 40:60)	97.99%
MELTING POINT:	190°C
λ MAX:	223, 280, 290, 379 nm (CH ₃ OH)
ELEMENTAL ANALYSIS:	Calculated: C: 66.52, H: 7.12, N: 8.02 Actual: C: 66.62, H: 7.87, N: 7.55
COUNTRY OF ORIGIN:	Israel
STORAGE & HANDLING:	Storage at -20°C. IRRITANT! PROTECT FROM LIGHT! 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: **EK**