

## CERTIFICATE OF ANALYSIS

<b>PRODUCT:</b>	<b>A23187 (free acid)</b> [Calcium ionophore A23187; Calcimycin, Antibiotic A23187] <b>C<sub>29</sub>H<sub>37</sub>N<sub>3</sub>O<sub>6</sub>, M.W. 523.6, CAS#[52665-69-7]</b>
<b>PRODUCT NUMBER:</b>	A-1020
<b>LOT NUMBER:</b>	G1328B
<b>APPEARANCE:</b>	White powder
<b>SOLUBILITY:</b> (10 mg/ml CH <sub>2</sub> Cl <sub>2</sub> )	Clear colorless solution
<b>PURITY (TLC):</b> Detection: Spray with H <sub>2</sub> SO <sub>4</sub> and heat	> 99% (NP, CH <sub>3</sub> OH, Acetone 1:1) > 99% (RP C18, CH <sub>3</sub> OH, Acetone 1:1)
<b>PURITY (HPLC):</b> (RP 18e Chromolith (100x4.6), isocratic 0.1% TFA: CH <sub>3</sub> CH 40:60)	100%
<b>MELTING POINT:</b>	190°C
<b>λ MAX:</b>	223, 280, 290, 379 nm (CH <sub>3</sub> OH)
<b>ELEMENTAL ANALYSIS:</b>	Calculated: C: 66.52, H: 7.12, N: 8.02 Actual: C: 67.50, H: 8.45, N: 6.31
<b>STORAGE &amp; HANDLING:</b>	Storage at -20°C. <b>IRRITANT! PROTECT FROM LIGHT!</b> 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: **KS**