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PRODUCT # A-600
LOT # AF-02 ; AF-03

CERTIFICATE OF ANALYSIS

A23187

(Ca²⁺ Ionophore)

(Antibiotic A23187. Calcimycin, Calcium Ionophore A23187)

M.W.: 523.6 daltons

Formula & CAS No.: C₂₉H₃₇N₃O₆ [52665-69-7]

Purity: Greater than 99%.

Description:

Calcium Ionophore; Significantly increases passage of divalent cations across biological membranes.¹

Contents: Each vial contains 1 mg or 5 mg of **A23187** as a lyophilized powder.

Solubility:

A23187 is soluble in DMSO, ethanol or methanol. It is also slightly soluble in water.

Storage and Stability:

Lyophilized form: Two to three weeks at room temperature.
One year at -20° C.

Liquid form: Up to one week at 4° C.
Three months at -20° C.

Bioassay:

A23187 is a positive control of Calcium Ionophore - effective concentration between 1-10 μM.

References:

1. Pressman, B. C. (1976) *Ann. Rev. Biochem.* **45**, 501.
2. Reed P. W. and Lardy, H. A. (1972) *J. Biol. Chem.* **246**, 6970.

