

A.G. Scientific, Inc.

6450 Lusk Blvd. Suite E102
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92121



CERTIFICATE of ANALYSIS

PRODUCT: **Calyculin A**, Isolated from *Discodermia calyx*.
C₅₀H₈₁N₄O₁₅P, M.W. 1009.2, CAS# [101932-71-2]

PRODUCT NUMBER: C-1031

LOT NUMBER: A9703A

APPEARANCE: Lyophilized

SOLUBILITY: Soluble in DMSO, 100% ethanol, methanol, methylene chloride or benzene. Insoluble in H₂O

PURITY (HPLC and TLC): 99.6%

PRODUCT DESCRIPTION: Potent cell permeable inhibitor with high specificity for protein phosphatase 1 (PP1) and 2A (PP2A). Inhibits p130cas tyrosine phosphorylation. Enhances the phosphorylation level of NF-κB. Affects intracellular signalling processes that require 14-3-3. Potent non-phorbol type tumor promoter. Prevents γ-radiation induced apoptosis.

USE/STABILITY: May be subject to isomerization when in solution. Biological activity is not affected by isomerization.

STORAGE & HANDLING: Keep cool and dry at -20°C. **PROTECT FROM LIGHT and MOISTURE! CAUTION: MAY BE CARCINOGENIC! TOXIC!**

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: KT

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