

CERTIFICATE OF ANALYSIS

PRODUCT: **PMA;** PKC activator
[Phorbol 12-Myristate 13-Acetate; TPA; 12-O-Tetradecanoyl-phorbol 13-acetate]
C₃₆H₅₆O₈, M.W. 616.8, CAS# [16561-29-8]

PRODUCT NUMBER: P-1039

LOT NUMBER: J1119

APPEARANCE: White to off-white solid.

PURITY (HPLC): ≥ 99%

SOLUBILITY: Soluble in DMSO, methanol, 100% ethanol, acetone, ether or dimethylformamide; almost insoluble in aqueous buffers. Dissolve in an organic solvent prior to dilution into aqueous buffers. Add calculated volume of organic solvent to vial to prepare concentration stock solution. Intermediate dilutions into the same organic solvent are recommended prior to final dilution into aqueous buffer.

PRODUCT DESCRIPTION: PKC activator (10-100 ng/ml). Most commonly used phorbol ester. Causes an extremely wide range of effects in cells and tissues. Very potent mouse skin tumor promoter. Inhibits apoptosis induced by Fas, but induces apoptosis in HL-60 promyelocytic leukemia cells.

STORAGE/USE: Store desiccated at -20°C.
Store solutions at -20°C for up to 3 months.
**PROTECT FROM LIGHT! *WARNING:* HARMFUL!
MAY BE CARCINOGENIC! MAY BE MUTAGENIC!**
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: KLS