Phorbol 12-myristate 13-acetate (PMA)

Catalogue Number: 1652981

Product Information

**Synonyms:** PMA, TPA, Phorbol ester, croton oil.
**Chemical Name:** 12-O-Tetradecanoylphorbol-13-acetate
**Molecular Formula:** C_{36}H_{56}O_8
**Molecular Weight:** 616.8
**CAS Number:** 16561-29-8
**Purity:** ≥98%
**Applications:** FA
**Formulation:** Crystalline solid
**Storage:** Product should be kept at -20°C.

Description

Phorbol 12-myristate 13-acetate (PMA) is a diester of phorbol and activates the signal transduction enzyme protein kinase C (PKC). It is used as a tumor promoter and to stimulate division of B-cells. With ionomycin, PMA induces the activation of many cell types to produce cytokines.

Preparation & Storage

Soluble in organic solvents such as ethanol or DMSO. DMSO up to 100mM.

References