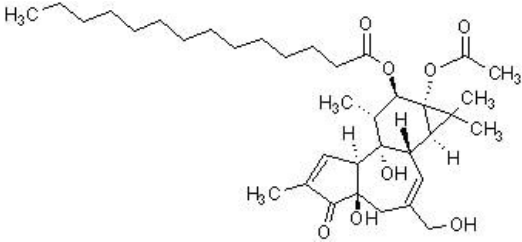


## Product datasheet

# Phorbol 12-myristate 13-acetate (PMA), PKC activator (DMSO solution) ab147465

### Overview

<b>Product name</b>	Phorbol 12-myristate 13-acetate (PMA), PKC activator (DMSO solution)
<b>Description</b>	PKC activator (DMSO solution)
<b>Biological description</b>	Potent nanomolar activator of protein kinase C <i>in vivo</i> and <i>in vitro</i> . Binds to C1 domain of protein kinase C, induces membrane translocation and enzyme activation. Also reported to have actions on non-kinase proteins including chimaerins, RasGRP and Unc-13/Munc-13. Extremely potent mouse skin tumor promoter.
<b>Purity</b>	> 98%
<b>CAS Number</b>	16561-29-8
<b>Chemical structure</b>	

### Properties

<b>Chemical name</b>	Phorbol 12-myristate 13-acetate
<b>Molecular weight</b>	616.83
<b>Molecular formula</b>	C <sub>36</sub> H <sub>56</sub> O <sub>8</sub>
<b>PubChem identifier</b>	27924
<b>Storage instructions</b>	Shipped at room temperature. Store at -20°C.
<b>Solubility overview</b>	Supplied in DMSO (10mM)
<b>Handling</b>	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.  Refer to SDS for further instruction.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

**SMILES**

CC(=O)O[C@@H](OC(=O)CCCCCCCCCCCC)[C@@H](C)[C@@H](O)[C@@H](C=C(CO)C[C@H](O)C(=O)C(C)=C[C@@H]12)[C@@H]4C3(C)C

**Source**

Synthetic

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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- Response to your inquiry within 24 hours
  
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