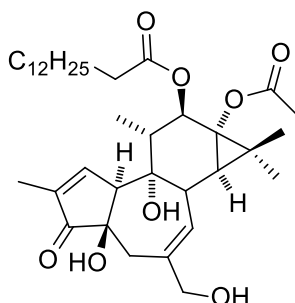




**Catalog # 10-2165**  
**Phorbol-12-myristate-13-acetate**  
CAS# 16561-29-8  
PMA, TPA  
12-O-Tetradecanoylphorbol-13-acetate  
Lot # X101048



Activates protein kinase C (10-100 ng/ml)<sup>1</sup>. May display PKC-independent effects in various cell types<sup>2</sup>.

**Warning: TUMOR PROMOTER - Skin irritant. Avoid contact with this compound.**

- 1) Saraiva *et al.* (2004), *characterization of phorbol esters activity on individual mammalian protein kinase C isoforms, using the yeast phenotypic assay*; Eur. J. Pharmacol., **491** 101
- 2) Doerner *et al.* (1990), *Protein kinase C-dependent and -independent effects of phorbol esters on hippocampal calcium channel current*; J. Neurosci., **10** 1699
- 3) Merck Index 14:7332

**PHYSICAL DATA**

Molecular Weight:	616.84
Molecular Formula:	C <sub>36</sub> H <sub>56</sub> O <sub>8</sub>
Purity:	99% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (up to 25 mg/ml) or Ethanol (up to 25 mg/ml)
Physical Description:	Colorless oil
Storage and Stability:	Store as supplied desiccated at -20°C for up to 2 years from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 2 months.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.