



## PMA / TPA

## Data Sheet

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<b>Catalog Number:</b>	MC11080	<b>Product Type:</b>	Small Molecule
<b>Bio-Activity:</b>	PKC activator	<b>CAS #:</b>	16561-29-8
<b>Research Categories:</b>	Cell death, stem cells, cancer	<b>Chemical Name:</b>	12-O-Tetradecanoylphorbol-13-acetate
<b>Solubility:</b>	Soluble in DMSO (up to 25 mg/ml) or in Ethanol (up to 25 mg/ml).	<b>Molecular Formula:</b>	C36H56O8
<b>Purity:</b>	> 98%	<b>Molecular Weight:</b>	616.84
<b>Format:</b>	Wax	<b>Ship Temp:</b>	Ambient
<b>Storage:</b>	-20°C		

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### Application Notes

**Description/Data:**

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

**Warning: Skin irritant. Avoid contact with this compound [3].****References:**

- 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

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