


Specification

Phorbol-12-Myristate-13-Acetate (PMA)

A0903

Physical Description:	Solid
Product Code:	A0903
Product Name:	Phorbol-12-Myristate-13-Acetate (PMA)
Specifications:	Assay (HPLC): min. 98 % Solubility (DMSO): clear
Hazard pictograms	
WGK:	1
Storage:	-20°C protected from light
Shipment:	wet ice
Signal Word:	Attention
GHS Symbols:	GHS07
H Phrases:	H312 H315
P Phrases:	P280 P312 P321 P332+P313 P362+P364 P501
Molecular Formula:	C ₃₆ H ₅₆ O ₈

AppliChem GmbH

Ottoweg 4 • D-64291 Darmstadt • Phone +49 6151 9357 0 • Fax +49 6151 9357 11 • info.de@itwreagents.com • www.itwreagents.com
CEO Joan Roget • Commerzbank Darmstadt • Bank 508 800 50 • Account 0186989900 IBAN DE24 5088 0050 0186 9899 00 • Swiftcode DRESDEFF508 • Finanzamt Darmstadt 07 228 16476 • Register court Darmstadt HRB Nr. 7340

Specification

Phorbol-12-Myristate-13-Acetate (PMA)

A0903

M:	616.84 g/mol
CAS:	16561-29-8
CS:	29159070
Comment <p>12-O-Tetradecanoylphorbol-13-acetate (TPA), also called Phorbol 12-myristate 13-acetate (PMA), binds to protein kinase C and leads to a very strong activation of this enzyme. Physiological effects are very diverse. TPA is soluble in DMSO or ethanol. The crystalline substance as well as the stock solution should be stored in the dark at -20°C (stock solution 1 mg/ml; working concentration 100 ng/ml). Long term storage should be at -70°C. Caution: TPA irritates eyes and skin. In the multistep carcinogenesis model of the skin of mice TPA is a very strong tumor promotor. TPA should be handled only by well trained persons.</p>	
Bibliography <p>(1) Fürstenberger, G. & Marks, F. (1983) <i>J. Invest. Dermatol.</i> 81, 157s-161s Growth stimulation and tumor promotion in skin.</p>	

AppliChem GmbH

Ottoweg 4 • D-64291 Darmstadt • Phone +49 6151 9357 0 • Fax +49 6151 9357 11 • info.de@itwreagents.com • www.itwreagents.com
 CEO Joan Roget • Commerzbank Darmstadt • Bank 508 800 50 • Account 0186989900 IBAN DE24 5088 0050 0186 9899 00 • Swiftcode DRESDEFF508 • Finanzamt Darmstadt 07 228 16476 • Register court Darmstadt HRB Nr. 7340