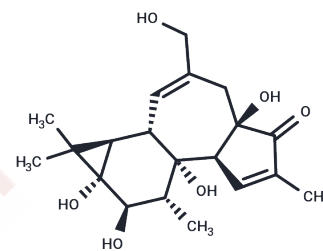


Phorbol

Chemical Properties

CAS No. :	17673-25-5
Formula:	C ₂₀ H ₂₈ O ₆
Molecular Weight:	364.43
Storage:	Keep away from moisture, Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Phorbol (4β-Phorbol), a plant-derived diterpene, is a tumor promoter through the activation of protein kinase C.
Targets(IC50)	PKC

Solubility Information

Solubility	DMSO: 50 mg/mL (137.2 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (2.74 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.744 mL	13.7201 mL	27.4401 mL
5 mM	0.5488 mL	2.744 mL	5.488 mL
10 mM	0.2744 mL	1.372 mL	2.744 mL
50 mM	0.0549 mL	0.2744 mL	0.5488 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Kim YI., et al. Bombyx mori hemocyte extract has anti-inflammatory effects on human phorbol myristate acetate-differentiated THP-1 cells via TLR4-mediated suppression of the NF- κ B signaling pathway. Mol Med Rep. 2017 Jul 26.

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