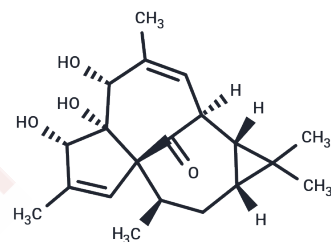


20-DEOXYINGENOL

Chemical Properties

CAS No. :	54706-99-9
Formula:	C ₂₀ H ₂₈ O ₄
Molecular Weight:	332.43
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	20-DEOXYINGENOL is a natural product.
Targets(IC50)	Autophagy

Solubility Information

Solubility	DMSO: 49 mg/mL (147.4 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2.5 mg/mL (7.52 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	3.0082 mL	15.0408 mL	30.0815 mL
5 mM	0.6016 mL	3.0082 mL	6.0163 mL
10 mM	0.3008 mL	1.5041 mL	3.0082 mL
50 mM	0.0602 mL	0.3008 mL	0.6016 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

Falsone G , Crea A E , Noack E A . [Constituents of Euphorbiaceae, 7. 20-Deoxyingenol Monoesters and ingenol diesters from *Euphorbia biglandulosa* Desf][]. *Archiv Der Pharmazie*, 1982, 315(12):1026.

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