

Linderalactone

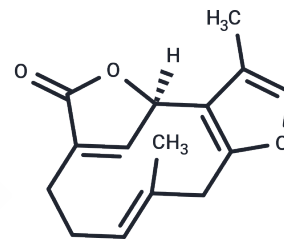
Chemical Properties

CAS No. : 728-61-0

Formula: C₁₅H₁₆O₃

Molecular Weight: 244.29

Storage: Keep away from moisture, Keep away from direct sunlight
 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	1. Linderalactone showed significant inhibitory effects on superoxide anion generation by human neutrophils in response to fMLP/CB, values of IC ₅₀ is 8.48 µg/mL.
Targets(IC ₅₀)	Apoptosis, JAK

Solubility Information

Solubility	DMSO: 55 mg/mL (225.14 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 (10.23 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	4.0935 mL	20.4675 mL	40.935 mL
5 mM	0.8187 mL	4.0935 mL	8.187 mL
10 mM	0.4093 mL	2.0467 mL	4.0935 mL
50 mM	0.0819 mL	0.4093 mL	0.8187 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

Chen K S , Hsieh P W , Hwang T L , et al. Anti-inflammatory Furanogermacrane sesquiterpenes from *Neolitsea parvigemma*[J]. Natural Product Research, 2005, 19(3):283-286.

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