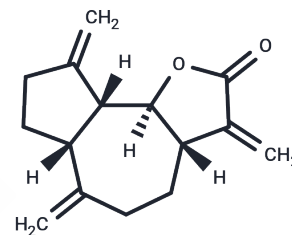


## Dehydrocostus Lactone

## Chemical Properties

CAS No. :	477-43-0
Formula:	C <sub>15</sub> H <sub>18</sub> O <sub>2</sub>
Molecular Weight:	230.30
Storage:	Keep away from moisture 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	Dehydrocostus Lactone ((-)-Dehydrocostus lactone) shows anti-inflammatory, anti-ulcer, immunomodulatory and anti-tumor properties.
Targets(IC50)	Apoptosis,NF-κB,MAPK,Akt,Caspase,Antibacterial,NO Synthase,Interleukin,IκB/IKK,p38 MAPK

## Solubility Information

Solubility	DMSO: 250.00 mg/mL (1085.54 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: 2.00 mg/mL (8.68 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	4.3422 mL	21.7108 mL	43.4216 mL
5 mM	0.8684 mL	4.3422 mL	8.6843 mL
10 mM	0.4342 mL	2.1711 mL	4.3422 mL
50 mM	0.0868 mL	0.4342 mL	0.8684 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.

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