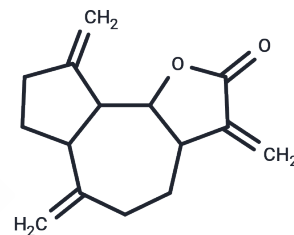


Dehydrocostuslactone

Chemical Properties

CAS No. :	74299-48-2
Formula:	C ₁₅ H ₁₈ O ₂
Molecular Weight:	230.3
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Dehydrocostuslactone is a natural product extracted from Aucklandia. It has wide spectrum of biological effects, including anti-inflammatory, anticancer, antiviral, antimicrobial, antifungal, antioxidant, antidiabetic, antiulcer, and anthelmintic activities.
Targets(IC50)	Others, Antifungal

Solubility Information

Solubility	DMSO: 27.5 mg/mL (119.41 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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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.

Reference

Lin X , Peng Z , Su C . Potential Anti-Cancer Activities and Mechanisms of Costunolide and Dehydrocostuslactone[J]. International Journal of Molecular Sciences, 2015, 16(5):10888.

Okubo S , Ohta T , Fujita H , et al. Costunolide and dehydrocostuslactone from Saussurea lappa root inhibit autophagy in hepatocellular carcinoma cells[J]. Journal of Natural Medicines, 2020:1-6.

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