

Pseudolaric acid A

Chemical Properties

CAS No. : 82508-32-5

Formula: C₂₂H₂₈O₆

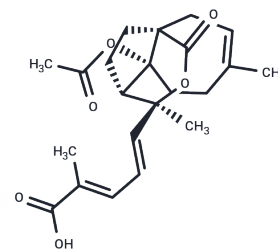
Molecular Weight: 388.45

Storage:

Keep away from direct sunlight, Store under nitrogen,
The compound is unstable in solution. Please use soon

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	Pseudolaric acid A (NSC 615487) and -B can inhibit the growth of particular cell type.
Targets(IC50)	Antifungal

Solubility Information

Solubility	DMSO: 45 mg/mL (115.85 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 mg/mL (5.15 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	2.5743 mL	12.8717 mL	25.7433 mL
5 mM	0.5149 mL	2.5743 mL	5.1487 mL
10 mM	0.2574 mL	1.2872 mL	2.5743 mL
50 mM	0.0515 mL	0.2574 mL	0.5149 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

Pan D J , Li Z L , Hu C Q , et al. The Cytotoxic Principles of *Pseudolarix kaempferi*: Pseudolaric Acid-A and -B and Related Derivatives[J]. *Planta Medica*, 1990, 56(04):383-385.

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