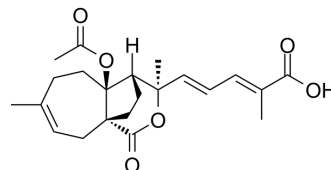


## Pseudolaric Acid A

Cat. No.:	HY-N0673		
CAS No.:	82508-32-5		
Molecular Formula:	C <sub>22</sub> H <sub>28</sub> O <sub>6</sub>		
Molecular Weight:	388.45		
Target:	Fungal		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (257.43 mM; Need ultrasonic)					
		Solvent Concentration	Mass	1 mg	5 mg	10 mg
	Preparing Stock Solutions	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	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (6.44 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (6.44 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.44 mM); Clear solution					

### BIOLOGICAL ACTIVITY

Description	Pseudolaric Acid A is a diterpene acid isolated from <i>Pseudolarix kaempferi</i> , has antifungal, cytotoxic and antifertile activities [1][2][3].
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### REFERENCES

[1]. Zhang J, et al., Antifungal activity of compounds extracted from Cortex *Pseudolaricis* against *Colletotrichum gloeosporioides*. J Agric Food Chem. 2014 May

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28;62(21):4905-10.

[2]. Pan DJ, et al. The cytotoxic principles of *Pseudolarix kaempferi*: pseudolaric acid-A and -B and related derivatives. *Planta Med.* 1990 Aug;56(4):383-5.

[3]. Wang WC, et al. [Endocrine activity of pseudolaric acids A and B and their effects on sex hormones, prostaglandins, uteri, and fetuses]. *Zhongguo Yao Li Xue Bao.* 1991 Mar;12(2):187-90.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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