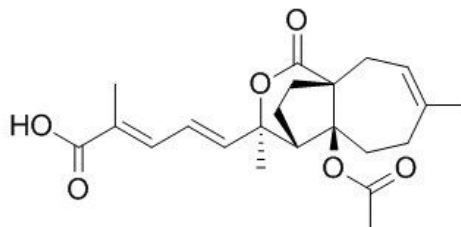


# Pseudolaric acid A Datasheet

5<sup>th</sup> Edition (Revised in January, 2017)

## [ Product Information ]

**Name:** Pseudolaric acid A**Catalog No.:** CFN99818**Cas No.:** 82508-32-5**Purity:** >=98%**M.F:** C<sub>22</sub>H<sub>28</sub>O<sub>6</sub>**M.W:** 388.5**Physical Description:** Powder**Synonyms:** (2E,4E)-5-[(4aS)-4a-(acetyloxy)-3,7-dimethyl-1-oxo-3,4,4a,5,6,9-hexahydro-4,9a-ethanocyclohepta[c]pyran-3(1H)-yl]-2-methylpenta-2,4-dienoic acid.

## [ Intended Use ]

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Intermediates & Fine Chemicals;
5. Others.

## [ Source ]

The root bark of *Pseudolarix amabilis*.

## [ Biological Activity or Inhibitors ]

Pseudolaric acid-A and -B show potent cytotoxicity.<sup>[1]</sup>

Pseudolaric acid A can effectively inhibit the proliferation of S180 cell line, the apoptotic cell rate is of positive relationship with the drug concentration and administration time.<sup>[2]</sup>

## **[ Solvent ]**

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

## **[ HPLC Method ]<sup>[3]</sup>**

Mobile phase: Methanol - 0.5% Aqueous acetic acid, gradient elution ;

Flow rate: 0.6 ml/min;

Column temperature: 30 °C;

The wave length of determination: 262 nm.

## **[ Storage ]**

2-8°C, Protected from air and light, refrigerate or freeze.

## **[ References ]**

[1] Pan D J, Li Z L, Hu C Q, *et al. Planta Med.*, 1990, 56(4):383-5.

[2] Ye W, Cheng Z W, Sheng C G, *et al. Chinese Journal of Clinical Rehabilitation*, 2005, 9(14):134-5.

[3] Liu P, Guo H, Guo H, *et al. J. Pharm. Biomed. Anal.*, 2007, 44(3):730-6.

## **[ Contact ]**

### **Address:**

S5-3 Building, No. 111, Dongfeng Rd.,  
Wuhan Economic and Technological Development Zone,  
Wuhan, Hubei 430056,  
China

**Email:** [info@chemfaces.com](mailto:info@chemfaces.com)

**Tel:** +86-27-84237783

**Fax:** +86-27-84254680

**Web:** [www.chemfaces.com](http://www.chemfaces.com)

**Tech Support:** [service@chemfaces.com](mailto:service@chemfaces.com)