

## Pseudopalmatine Datasheet

4<sup>th</sup> Edition (Revised in July, 2016)

### [ Product Information ]

**Name:** Pseudopalmatine

**Catalog No.:** CFN98001

**Cas No.:** 19716-66-6

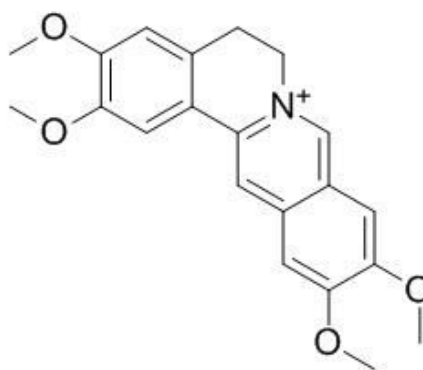
**Purity:** > 98%

**M.F:** C<sub>21</sub>H<sub>22</sub>NO<sub>4</sub>

**M.W:** 352.4

**Physical Description:** Yellow powder

**Synonyms:** 2,3,10,11-Tetramethoxy-5,6-dihydroisoquinolino[2,1-b]isoquinolin-7-ium.



### [ Intended Use ]

1. Reference standards;
2. Pharmacological research;
3. Food and cosmetic research;
4. Synthetic precursor compounds;
5. Others.

### [ Source ]

The herbs of *Tinospora sinensis*.

### [ Biological Activity or Inhibitors ]

Pseudopalmatine shows anti-acetylcholinesterase (AChE) activity, with IC<sub>50</sub> values of 1.8

uM.<sup>[1]</sup>

## **[ Solvent ]**

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

## **[ HPLC Method ]<sup>[2]</sup>**

Mobile phase: Acetonitrile - Phosphate buffer (pH 3.0), gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: 40 °C;

The wave length of determination: 345 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Tsai S F, Lee S S. *J. Nat. Prod.*, 2010, 73(10):1632-5.

[2] Huang J, Weng W, Cao D, *et al. Chromatographia*, 2005, 62(62):471-4.

## **[ 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)