

## Axillaridine A Datasheet

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

### [ Product Information ]

**Name:** Axillaridine A

**Catalog No.:** CFN99386

**Cas No.:** 128255-16-3

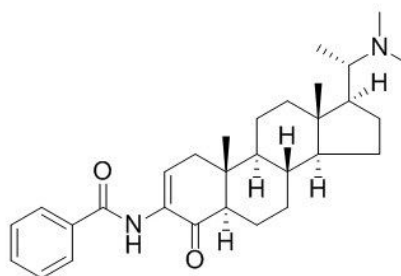
**Purity:** > 95%

**M.F:** C<sub>30</sub>H<sub>42</sub>N<sub>2</sub>O<sub>2</sub>

**M.W:** 462.7

**Physical Description:** Powder

**Synonyms:**



### [ Intended Use ]

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

### [ Source ]

The herbs of *Pachysandra axillaris*.

### [ Biological Activity or Inhibitors ]

Axillaridine A is a new cholinesterase inhibitors, it may act as potential leads in the discovery of clinically useful inhibitors for nervous-system disorders, particularly by reducing memory deficiency in Alzheimer's disease patients by potentiating and effecting the cholinergic transmission process. <sup>[1]</sup>

(+)-Axillaridine A has significant activity as antiestrogen binding site (AEBS)-inhibitory agents. <sup>[2]</sup>

### **[ Solvent ]**

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

### **[ HPLC Method ]**

Mobile phase: Methanol-0.1% Triethylamine H<sub>2</sub>O gradient elution;

Flow rate: 1.0 ml/min;

The wave length of determination: 254 nm.

### **[ Storage ]**

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

### **[ References ]**

[1] Atta-ur-Rahman, Zaheer-ul-Haq, Khalid A, *et al. Helv. Chim. Acta*, 2002, 85(2):678-88.

[2] Chee Chang L, Bhat K P L, Pisha E, *et al. J. Nat. Prod.*, 1998, 61(10):1257-62.

### **[ Contact ]**

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