

## Yunaconitine Datasheet

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

### [ Product Information ]

**Name:** Yunaconitine

**Catalog No.:** CFN99503

**Cas No.:** 70578-24-4

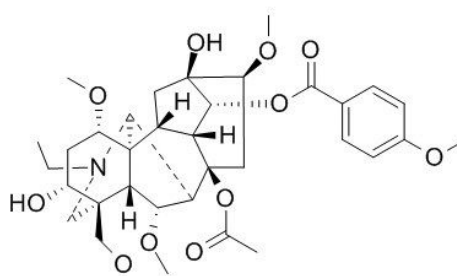
**Purity:** > 98%

**M.F:** C<sub>35</sub>H<sub>49</sub>NO<sub>11</sub>

**M.W:** 659.77

**Physical Description:** White powder

**Synonyms:** 11aH-12,3,6a-Ethanylylidene-7,9-methanonaphth.



### [ Intended Use ]

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

### [ Source ]

The root of *Aconitum carmichaeli* Debx.

### [ Biological Activity or Inhibitors ]

Yunaconitine, extracted from several plants of Aconitum, has anti-inflammatory and analgesic actions.<sup>[1]</sup>

Yunaconitine can increase serum total complement as well as the phagocytic activity of reticuloendothelial system in mice, these effects are considered to be beneficial in the clearance of pathogenic antigens, and may be the immunopharmacological basis of antiinflammatory actions of yunaconitine.<sup>[2]</sup>

### **[ Solvent ]**

Chloroform, Dichloromethane, DMSO, Acetone, etc.

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

Mobile phase: Acetonitrile -0.2% Triethylamine H<sub>2</sub>O(pH =3.0) =35:65;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 260 nm.

### **[ Storage ]**

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

### **[ References ]**

[1] Lin Z G, Cai W, Tang X C. *Chinese Journal of Pharmacology & Toxicology*, 1987(3).

[2] Li X Y Jiang K M, Lin Z Y. *Chinese Journal of Pharmacology & Toxicology*, 1987(1).

[3] Xiong Y, Zi S, Wu J, *et al.* *China Pharmacist*, 2013, 16(10):1463-5.

### **[ Contact ]**

**Address:**

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

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

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

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

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

China

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