

# Tuberstemonine Datasheet

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

## [ Product Information ]

**Name:** Tuberstemonine

**Catalog No.:** CFN98138

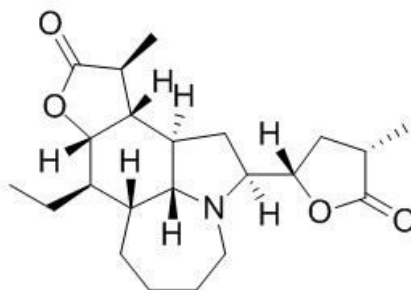
**Cas No.:** 6879-01-2

**Purity:** >=98%

**M.F:** C<sub>22</sub>H<sub>33</sub>NO<sub>4</sub>

**M.W:** 375.51

**Physical Description:** Cryst.



**Synonyms:** 2β-[(2S,4S)-Tetrahydro-4-methyl-5-oxofuran-2-yl]stenine; (7aR,8aβ,11aβ,11bα,11cβ)-2β-[(2S,4S)-Tetrahydro-4-methyl-5-oxofuran-2-yl]-8β-ethyltetradecahydro-11β-methylfuro[2,3-h]pyrrolo[3,2,1-jk][1]benzoazepine-10-one.

## [ Intended Use ]

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

## [ Source ]

The roots of *Stemona japonica*.

## **[ Biological Activity or Inhibitors ]**

Tuberstemonine, one compound isolated from plants for using as trunk injection agents, it is effective against pine wood nematode in plant extracts.<sup>[1]</sup>

## **[ Solvent ]**

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

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

Mobile phase: Acetonitrile- 0.2% Aqueous ammonia, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 35 °C;

The wave length of determination: 254 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Jin H S, Kwon O G, Lee C M, *et al.* 2016, 20(1):56-65.

[2] Liao J N, Qin S D, Qu X S, *et al.* *Journal of Chinese Medicinal Materials*, 2016, 20(8).

## **[ 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)