

## Oblongine Datasheet

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

### [ Product Information ]

**Name:** Oblongine

**Catalog No.:** CFN97013

**Cas No.:** 60008-01-7

**Purity:** > 95%

**M.F:** C<sub>19</sub>H<sub>24</sub>NO<sub>3</sub>

**M.W:** 314.4

**Physical Description:** Powder

**Synonyms:** (1S)-1-[(4-hydroxyphenyl)methyl]-7-methoxy-2,2-dimethyl-3,4-dihydro-1H-isoquinolin-2-ium-8-ol.



### [ Intended Use ]

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

### [ Source ]

The roots of *Stephania tetrandra*.

### [ Biological Activity or Inhibitors ]

Oblongine chloride may have potential haemodynamic effects, it can cause a dose-dependent reduction of systolic and diastolic blood pressure, and that these effects are not mediated by  $\beta$ -adrenergic receptor stimulation.<sup>[1]</sup>

## **[ Solvent ]**

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

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

Mobile phase: Methanol-H<sub>2</sub>O in combination with (NH<sub>4</sub>)H<sub>2</sub>PO<sub>4</sub> buffer, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 280 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Abdalla S, Zarga M A, Sabri S. *Phytother. Res.*, 1995, 9(1):60-3.

[2] Chou C J, Lin L C, Peng C, *et al. J. Chin. Med.*, 2002, 13(1): 39-48.

## **[ Contact ]**

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