

# Mesembrine Datasheet

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

## [ Product Information ]

**Name:** Mesembrine

**Catalog No.:** CFN92763

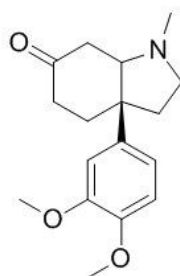
**Cas No.:** 24880-43-1

**Purity:** > 95%

**M.F:** C<sub>17</sub>H<sub>23</sub>NO<sub>3</sub>

**M.W:** 289.37

**Physical Description:** Powder



**Synonyms:** (3a*S*,7a*β*)-1-Methyl-3a*β*-(3,4-dimethoxyphenyl)octahydro-6H-indole-6-one; MeseMbranone; (-)-MeseMbranone; 4*α*,9*α*-MeseMbrine;

(7a*β*)-1-Methyl-3a*β*-(3,4-dimethoxyphenyl)octahydro-6H-indole-6-one;

(3a*S*,7a*S*)-3a-(3,4-Dimethoxyphenyl)octahydro-1-Methyl-6H-indol-6-one.

## [ Intended Use ]

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

## [ Source ]

The herbs of *Lampranthus tenuifolius*.

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

Mesembrine is an inhibitor of phosphodiesterase-4 (PDE4).<sup>[1]</sup>

## **[ Solvent ]**

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

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

Mobile phase: Methanol- 1% Acetic acid H<sub>2</sub>O, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 228 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Fraire C., Santangelo F., Moriggi E., *Chem. Phys. Lett.*, 2001(3):303-8.

[2] Patnala S, Kanfer I. *J. Pharm. Pharmaceut. Sci.*, 2010, 13(4):558-70.

## **[ Contact ]**

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