

## Humulene epoxide II Datasheet

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

### [ Product Information ]

**Name:** Humulene epoxide II

**Catalog No.:** CFN98008

**Cas No.:** 19888-34-7

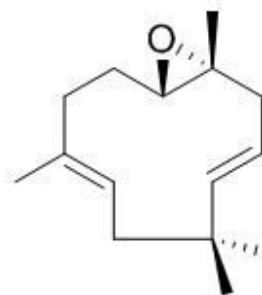
**Purity:** > 98%

**M.F:** C<sub>15</sub>H<sub>24</sub>O

**M.W:** 220.4

**Physical Description:** Oil

**Synonyms:** (-)-Humulene epoxide II; Humulene 1,2-epoxide; Humulene 6,7-epoxide.



### [ Intended Use ]

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

### [ Source ]

The rhizomes of *Zingiber officinale* Roscoe.

### [ Biological Activity or Inhibitors ]

Humulene epoxide II has antimalarial activities.<sup>[1]</sup>

## **[ Solvent ]**

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

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

HPLC-ESI:

Mobile phase: Acetonitrile-0.05% Acetic acid H<sub>2</sub>O, gradient elution;

Flow rate: 0.6 ml/min;

Column temperature: Room Temperature;

The spray voltage: 4.2 kV;

The capillary offset voltage: -60V;

Capillary temperature : 220 °C;

Flow rate of gas : 0.9L/min;

Carrier gas: N<sub>2</sub>.

## **[ Storage ]**

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

## **[ References ]**

[1] Silva T B C D, Alves V L, Mendonça L V H, *et al. Pharm. Biol.*, 2004, 42(2):94-7.

[2] Kołodziej B, Kowalski R, Hołderna-Kędzia E. C. *Chemija*, 2013, 24(2):151-9.

## **[ Contact ]**

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