

## Vomifoliol Datasheet

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

### [ Product Information ]

**Name:** Vomifoliol

**Catalog No.:** CFN98245

**Cas No.:** 23526-45-6

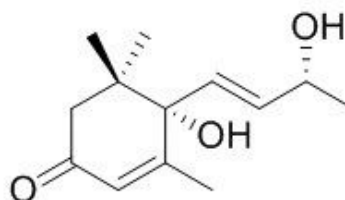
**Purity:** > 98%

**M.F:** C<sub>13</sub>H<sub>20</sub>O<sub>3</sub>

**M.W:** 224.3

**Physical Description:** Cryst.

**Synonyms:** (4S)-4-hydroxy-4-[(E,3R)-3-hydroxybut-1-enyl]-3,5,5-trimethyl-1-cyclohex-2-enone.



### [ Intended Use ]

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

### [ Source ]

The herbs of *Vitis vinifera*.

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

Vomifoliol is most likely the immediate precursor of dehydrovomifoliol, because of the organism converted abscisic acid (ABA), to dehydrovomifoliol as the major metabolite, and a cell-free extract exhibits vomifoliol dehydrogenase activity.<sup>[1]</sup>

Vomifoliol and stigmasterol have anti-proliferative activity on human lung cancer cell lines.<sup>[2]</sup>

## **[ Solvent ]**

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

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

Mobile phase: Methanol-Chloroform, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 245 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Hasegawa S, Poling S M, Maier V P, *et al. Phytochemistry*, 1984, 23(12):2769-71.

[2] Ji Y Y, Kim S I, Perumalsamy H, *et al. 한국응용곤충학회 학술발표회*, 2014,4:31-31.

[3] Wei W, Fan C L, Wang G Y, *et al. Chinese herbal medicine*, 2014, 45 (5): 615-21.

## **[ Contact ]**

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