



## beta-Hydroxypropiovanillone Datasheet

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

### [ Product Information ]

**Name:** beta-Hydroxypropiovanillone

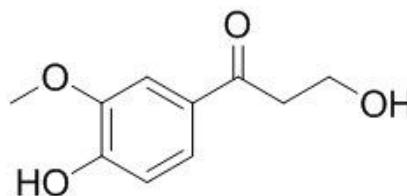
**Catalog No.:** CFN98088

**Cas No.:** 2196-18-1

**Purity:** > 98%

**M.F:** C<sub>10</sub>H<sub>12</sub>O<sub>4</sub>

**M.W:** 196.2



**Physical Description:** Cryst.

**Synonyms:** 3,4'-Dihydroxy-3'-methoxypropiophenone;

3-Hydroxy-1-(4-hydroxy-3-methoxyphenyl)-1-propanone; ω -Hydroxypropioguaiacone.

### [ Intended Use ]

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

### [ Source ]

The barks of *Pinus yunnanensis*.

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

beta-Hydroxypropiovanillone, an achiral compound, which is further degraded by lignin degradation.<sup>[1]</sup>

beta-Hydroxypropiovanillone shows tyrosinase inhibitory activities.<sup>[2]</sup>

## **[ Solvent ]**

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

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

Mobile phase: Acetonitrile-0.1% Formic acid H<sub>2</sub>O, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 330 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Eiji Masai, Atsushi Ichimura, Yusuke Sato, *et al. J. Bacteriol.*, 2003, 185(6):1768-75.

[2] Nguyen M H, Nguyen H X, Nguyen M T, *et al. Nat. Prod. Commun.*, 2012, 7(2):185-6.

[3] Yao Z H, Pan Y M, Dai Y, *et al. Chinese Traditional & Herbal Drugs*, 2010,41(9): 1457-60.

## **[ Contact ]**

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