



## 3-Hydroxy-4-methoxycinnamic acid Datasheet

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

### [ Product Information ]

**Name:** 3-Hydroxy-4-methoxycinnamic acid

**Catalog No.:** CFN99135

**Cas No.:** 537-73-5

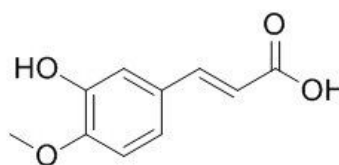
**Purity:** > 98%

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

**M.W:** 194.18

**Physical Description:** White cryst.

**Synonyms:** 3-(3-Hydroxy-4-methoxyphenyl)-2-propenoic acid.



### [ Intended Use ]

1. Reference standards;
2. Pharmacological research;
3. Food and cosmetic research;
4. Synthetic precursor compounds;
5. Intermediates & Fine Chemicals;
6. Ingredient in supplements, beverages;
7. Aromatics;
8. Others.

### [ Source ]

The peel of *Cinnamomum cassia* Presl.

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

3-Hydroxy-4-methoxycinnamic acid has kinetics governing the inhibitory effect on tyrosinase-catalyzed reactions.<sup>[1]</sup>

## **[ Solvent ]**

Chloroform, Dichloromethane, DMSO, Acetone.

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

Mobile phase: Acetonitrile- 0.3% Phosphoric acid H<sub>2</sub>O, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 40 °C;

The wave length of determination: 322 nm.

## **[ Storage ]**

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

## **[ References ]**

[1]Gong S Z, Chen Q S, Xu M Y, *et al. Modern Food Science & Technology*, 2015, 31(4):192-6.

[2] Huang G W, Wei B H, Huang X Y, *et al. Detergent & Cosmetics*, 2010, 33(7):30-2.

## **[ Contact ]**

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