

3-Hydroxy-4-methoxycinnamic acid Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: 3-Hydroxy-4-methoxycinnamic acid

Catalog No.: CFN99135

Cas No.: 537-73-5

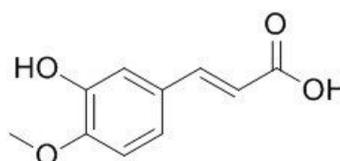
Purity: > 98%

M.F: C₁₀H₁₀O₄

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.^[1]

[Solvent]

Chloroform, Dichloromethane, DMSO, Acetone.

[HPLC Method]^[2]

Mobile phase: Acetonitrile- 0.3% Phosphoric acid H₂O, 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.

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