p-Hydroxy-cinnamic acid Datasheet

4th Edition (Revised in July, 2016)

[ Product Information ]

Name: p-Hydroxy-cinnamic acid
Catalog No.: CFN98179
Cas No.: 7400-08-0
Purity: >=98%
M.F: C9H8O3
M.W: 164.16

Physical Description: Powder

Synonyms: (2E)-3-(4-hydroxyphenyl)prop-2-enoic-acid; 4-hydroxycinnamic-acid; 3-(4-Hydroxyphenyl)acrylic acid; p-Coumaric acid; 3-(4-Hydroxyphenyl)-2-propenoic acid; 2-(4-hydroxyphenyl)prop-2-enoic acid; trans-p-Hydroxycinnamic acid; trans-4-Hydroxycinnamic acid; trans-p-Coumaric acid.

[ Intended Use ]

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

[ Source ]

The barks of Cinnamomum cassia Presl.
**[Biological Activity or Inhibitors]**

p-Hydroxycinnamic acid and β-cryptoxanthin have anti-osteoporotic properties in vivo, they can antagonize NF-κB activation in MC3T3 preosteoblastic cells, suggests that NF-κB may be a common molecular target by which several bone active agents, including carotenoids, promote osteoblastic bone formation. [1]

**[Solvent]**

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

**[HPLC Method]** [2]

Mobile phase: Acetonitrile- 0.3%Acetic acid H2O=20:80;

Flow rate: 1.0 ml/min;

Column temperature: 25 °C;

The wave length of determination: 310 nm.

**[Storage]**

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

**[References]**


**[Contact]**

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