

Cryptochlorogenic acid Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Cryptochlorogenic acid

Catalog No.: CFN99117

Cas No.: 905-99-7

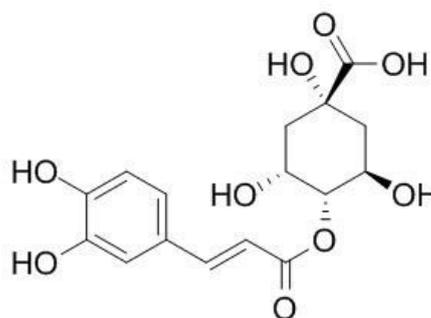
Purity: > 98%

M.F: C₁₆H₁₈O₉

M.W: 354.31

Physical Description: White powder

Synonyms: (3R,5R)-4-[(E)-3-(3,4-dihydroxyphenyl)-1-oxoprop-2-enoyl]-1,3,5-trihydroxy-1-cyclohexanecarboxylic-acid; (3S,5S)-4-[(E)-3-(3,4-dihydroxyphenyl)-1-oxoprop-2-enoyl]-1,3,5-trihydroxy-1-cyclohexanecarboxylic 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. Others.

[Source]

The flowerbud of *Lonicera japonica* Thunb.

[Biological Activity or Inhibitors]

Chlorogenic acid has antioxidative activity, superoxide anion radicals, and radical scavenging activity.^[1]

[Solvent]

Pyridine, DMSO, Ethanol, Methanol.

[HPLC Method]^[2]

Mobile phase: Acetonitrile- 0.4% Phosphoric acid H₂O, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 300 nm.

[Storage]

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

[References]

[1] Nakatani N, Kayano S, Kikuzaki H, *et al.* *J. Agr. Food Chem.*, 2000, 48(11):5512-6.

[2] Wang J, Zhang X, Wu X Y, *et al.* *China J. Chinese Mat. Med.*, 2010, 35(13):1702-5.

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