

Isochlorogenic acid A Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Isochlorogenic acid A

Catalog No.: CFN99118

Cas No.: 2450-53-5

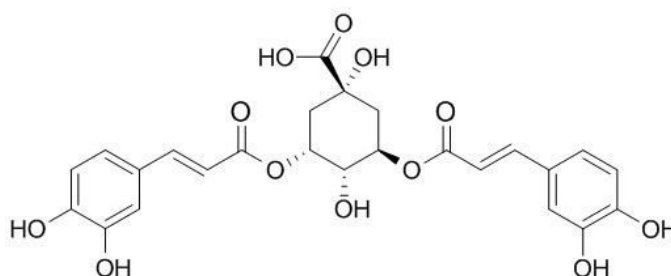
Purity: > 98%

M.F: C₂₅H₂₄O₁₂

M.W: 516.45

Physical Description: White powder

Synonyms: 3,5-Dicaffeoylquinic 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]

Isochlorogenic acid A possesses the potent anti-hepatitis B activity and anti-HBV activity, could be achieved by its antioxidative property and induction of HO-1.^[1]

Metabolic processes of isochlorogenic acid A in rats conform to linear dynamics with fast metabolism and short half-life.^[2]

[Solvent]

Pyridine, Ethanol, Methanol, Hot water, etc.

[HPLC Method]^[3]

Mobile phase: Acetonitrile (A) -0.4% phosphoric acid (B), gradient elution (0~10min, 5% →9%A; 10~30min, 9%A; 30~60min, 9%-30%A; 60~80min, 30%A ;

Flow rate: 1.0 ml/min;

The wave length of determination: 330nm.

[Storage]

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

[References]

[1] Hao B J, Wu Y H, Wang J G, *et al. J. Ethnopharmacol.*, 2012, 144(1):190-4.

[2] Cheng X G, Wang S J, Zeng J, *et al. Chinese Journal of Experimental Traditional Medical Formulae*, 2015(16):79-82.

[3] Li X Y, Tu W Q. *Chinese medicine*, 2014, 36 (02): 353-8.

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