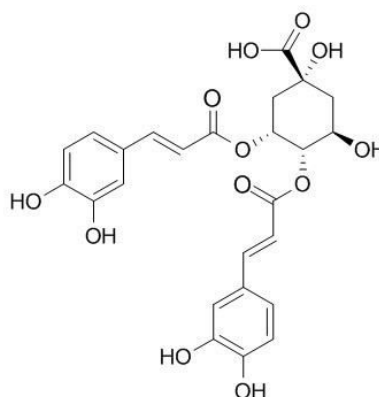


## Isochlorogenic acid C Datasheet

4<sup>th</sup> Edition (Revised in July, 2016)**[ Product Information ]****Name:** Isochlorogenic acid C**Catalog No.:** CFN99120**Cas No.:** 32451-88-0**Purity:** > 98%**M.F:** C<sub>25</sub>H<sub>24</sub>O<sub>12</sub>**M.W:** 516.45**Physical Description:** White powder**Synonyms:** (1R,3R,4S,5R)-3,4-bis[(E)-3-(3,4-dihydroxyphenyl)-1-oxoprop-2-enoxy]-1,5-dihydroxy-1-cyclohexanecarboxylic acid; 4,5-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 C possesses potent hepatoprotective and anti-HBV effects; the anti-apoptotic and anti-injury effects could be achieved by its anti-oxidative properties and interfering the caspase-3 and TGF-beta expressions.;the anti-HBV target may mainly be at the downstream links of HBV replication process and is probably associated with blocking translation step.<sup>[1]</sup>

Isochlorogenic acid C has antioxidant activity.<sup>[2]</sup>

## **[ Solvent ]**

Pyridine, Ethanol, Methanol, Hot water, etc.

## **[ HPLC Method ]<sup>[3]</sup>**

Mobile phase: Methanol-0. 1% Formic acid H<sub>2</sub>O,gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 345 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Hu S Q, Wu Y H, Hao B J, *et al. J. Med. Plants Res.*, 2012,6(16):3199-206.

[2] Chang Y X, Liu J, Bai Y, *et al. Plos One*, 2014, 9(9):e106254-e106254.

[3] Xu X K, Chen Z Y, Liao L P, *et al. China Journal of Chinese Materia Medica*, 2015, 40(6):1119-22.

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