[ Product Information ]

Name: Isochlorogenic acid C
Catalog No.: CFN99120
Cas No.: 32451-88-0
Purity: > 98%
M.F: C_{25}H_{24}O_{12}
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.[1]
Isochlorogenic acid C has antioxidant activity.[2]

[ Solvent ]
Pyridine, Ethanol, Methanol, Hot water, etc.

[ HPLC Method ][3]
Mobile phase: Methanol-0.1% Formic acid H2O, gradient elution;
Flow rate: 1.0 ml/min;
Column temperature: Room Temperature;
The wavelength of determination: 345 nm.

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

[ References ]

[ Contact ]