Chlorogenic acid Datasheet

[ Product Information ]

Name: Chlorogenic acid
Catalog No.: CFN99116
Cas No.: 327-97-9
Purity: 98%
M.F: C_{16}H_{18}O_{9}
M.W: 354.31

Physical Description: Cryst.
Synonyms: 1,3,4,5-Tetrahydroxycyclohexanecarboxylic acid 3-(3,4-dihydroxycinnamate),
3-(3,4-Dihydroxycinnamoyl)quinic acid.

[ Intended Use ]

1. Reference standards;
2. Pharmacological research;
3. Food and cosmetic research;
4. Synthetic precursor compounds;
5. Drink;
6. Others.

[ Source ]

The bark of Eucommia ulmoides Oliv.

[ Biological Activity or Inhibitors ]
Chlorogenic acid, a phenolic compound found ubiquitously in plants, is an in vitro antioxidant and metal chelator, some derivatives of chlorogenic acid are hypoglycemic agents and may affect lipid metabolism; in vivo, chlorogenic acid can improve glucose tolerance, decrease some plasma and liver lipids, and improve mineral pool distribution.\[^{[1]}\]

Chlorogenic acid and caffeic acid have antioxidant property, have effects on intestinal ischemia–reperfusion injury.\[^{[2]}\]

Chlorogenic acid has antiviral activity, reduces serum DHBV level in DHBV-infected duckling model, shows inhibitory effect on HBV replication.\[^{[3]}\]

**[Solvent]**

Acetone, Methanol, Ethanol.

**[HPLC Method] \[^{[4]}\]**

Mobile phase: Methanol-0.2M Acetic acid= 25:75 (pH 3.0);
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]**


**[Contact]**
Address:
S5-3 Building, No. 111, Dongfeng Rd.,
Wuhan Economic and Technological Development Zone,
Wuhan, Hubei 430056,
China

Email: info@chemfaces.com
Tel: +86-27-84237783
Fax: +86-27-84254680
Web: www.chemfaces.com
Tech Support: service@chemfaces.com