

(-)-Dihydroquercetin Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: (-)-Dihydroquercetin

Catalog No.: CFN92413

Cas No.: 111003-33-9

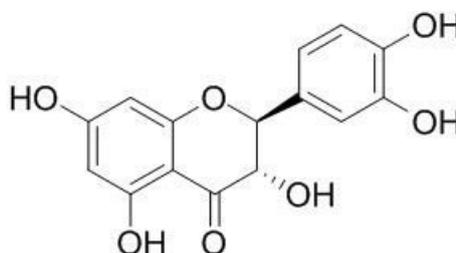
Purity: > 95%

M.F: C₁₅H₁₂O₇

M.W: 304.3

Physical Description: Powder

Synonyms: 4H-1-Benzopyran-4-one, 2-(3,4-dihydroxyphenyl)-2,3-dihydro-3,5,7-trihydroxy-, (2S,3S)-.



[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Food research;
5. Intermediates & Fine Chemicals;
6. Others.

[Source]

The herbs of *Xanthoceras sorbifolia*.

[Biological Activity or Inhibitors]

(+)-Dihydroquercetin has antioxidant activity, exhibits neuroprotective actions against the oxidative injuries induced in cortical cell cultures.^[1]

Dihydroquercetin-rich extract (Lavitol) derived from the Dahurian larch tree, used as a food additive and as a dietary supplement ingredient.^[2]

[Solvent]

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[HPLC Method]^[3]

Mobile phase: Methanol -H₂O=50:50 ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 320 nm.

[Storage]

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

[References]

[1] Dok-Go H, Lee K H, Kim H J, *et al. Brain Res.*, 2003, 965(1-2):130-6.

[2] Schauss A G, Tselyico S S, Kuznetsova V A, *et al. Int. J.Toxicol.*, 2015, 34(2): 243-310.

[3] Fan T, Hongyu L, Tang Q, *et al. China Pharmacist*, 2009, 12(8):1046-8.

[Contact]

Address:

S5-3 Building, No. 111, Dongfeng Rd.,
Wuhan Economic and Technological Development Zone,
Wuhan, Hubei 430056,

Email: info@chemfaces.com

Tel: +86-27-84237783

Fax: +86-27-84254680

Web: www.chemfaces.com

China

Tech Support: service@chemfaces.com