

(+)-Catechin hydrate Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: (+)-Catechin hydrate

Catalog No.: CFN99568

Cas No.: 7295-85-4

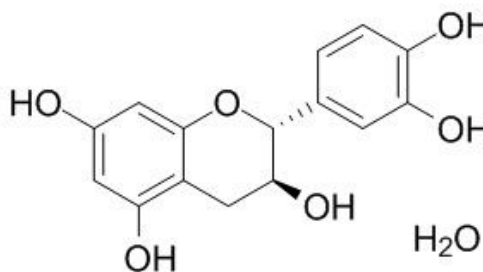
Purity: >=98%

M.F: C₁₅H₁₄O₆.H₂O

M.W: 308.28

Physical Description: White powder

Synonyms: trans-2-(3,4-dihydroxyphenyl)-3,4-dihydro-2H-1-benzopyran-3,5,7-triol.



[Intended Use]

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

[Source]

The bark of *Taxus yunnanensis*.

[Biological Activity or Inhibitors]

(+)-Catechin hydrate acts as mixed type inhibitor with predominant inhibition at anodic site, it has inhibiting action on the corrosion of mild steel in hydrochloric acid.^[1]

(+)-Catechin hydrate has antioxidant activity and is effective in reducing oxidative stress.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: 0.1% Acetic acid in water- Methanol, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 20 °C;

The wave length of determination: 278 nm.

[Storage]

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

[References]

[1] Hussin M H, Kassim M J. *Int. J. Electrochem.Sc.*, 2011, 6(2011):1396-414.

[2] Mehra P, Garg M, Koul A, *et al. Indian J. Exp. Biol.*, 2013, 51(10):823-7.

[3] Nour V, Trandafir I, Cosmulescu S. *J.Chromatogr. Sci.* 2013, 51(9):883-90.

[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