

(+)-Gallocatechin Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: (+)-Gallocatechin

Catalog No.: CFN99138

Cas No.: 970-73-0

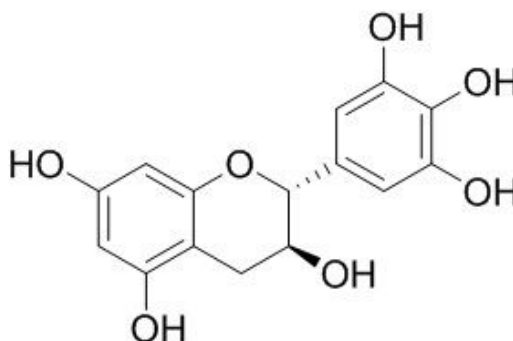
Purity: > 98%

M.F: C₁₅H₁₄O₇

M.W: 306.27

Physical Description: White powder

Synonyms: (2R,3S)-2-(3,4,5-trihydroxyphenyl)-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. Others.

[Source]

The wood of *Acacia catechu* (L.F.) Willd.

[Biological Activity or Inhibitors]

(+)-Galocatechin, isolated from the MeOH-extract of guava leaves, as a bio-antimutagenic compound against UV-induced mutation in *Escherichia coli*. [1]

(+)-Galocatechin is potent in scavenging Fremy's salt, a synthetic free radical, it possesses antioxidant capacities that is higher or comparable to that of ascorbic acid or Trolox. [2]

[Solvent]

Pyridine, Alcohol, Methanol, H₂O, etc.

[HPLC Method] [3]

Mobile phase: Acetonitrile- 50 mM Phosphate buffer(pH 2.5), gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 210 nm.

[Storage]

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

[References]

[1] Matsuo T, Hanamura N, Shimoi K, *et al. Phytochemistry*, 1994, 36(4):1027-9.

[2] D Rösch, Krumbein A, Kroh L W. *Eur Food Res. Technol.*, 2004, 219(6):605-13.

[3] Santagati N A, Salerno L, Attaguile G, *et al. J. Chromatogr. Sci.*, 2008, 46(2):150-6.

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