



1,2,3,6-Tetragalloylglucose Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: 1,2,3,6-Tetragalloylglucose

Catalog No.: CFN00447

Cas No.: 79886-50-3

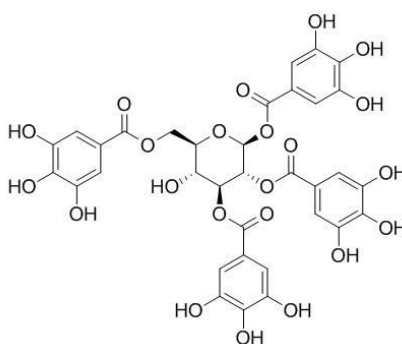
Purity: >=97%

M.F: C₃₄H₂₈O₂₂

M.W: 788.57

Physical Description: Powder

Synonyms: 1,2,3,6-Tetrakis-O-(3,4,5-trihydroxybenzoyl)-beta-D-glucopyranose.



[Intended Use]

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

[Source]

The peel of *Punica granatum* L.

[Biological Activity or Inhibitors]

1,2,3,6-Tetragalloylglucose exhibits anti-complement activity with IC₅₀ values of 34

microM.^[1]

1,2,3,6-Tetragalloylglucose has antioxidative activities, it exhibits strong scavenging activities against DPPH, ABTS(*+), and O(2)(* -), and also has a significant inhibitory effect on lipid peroxidation and low-density lipoprotein (LDL) oxidation.^[2]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[1]

Mobile phase: 40% aq. Methanol and 80% aq. Acetonitrile, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 216 nm.

[Storage]

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

[References]

[1] Min B S, Lee SY Kim J H, Lee J K, *et al. Biol. Pharm. Bull.*, 2003, 26(7):1042-4.

[2] Ngoc T M, Hung T M, Thuong P T, *et al. Biosci. Biotechnol. Biochem.*, 2008, 72(8): 2158-63.

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