[Product Information]

Name: 3,4-Dihydroxyphenylglycol
Catalog No.: CFN98355
Cas No.: 28822-73-3
Purity: > 95%
M.F: C₈H₁₀O₄
M.W: 170.2
Physical Description: Powder
Synonyms: dl-3-4-Dihydroxyphenyl glycol*crystalline; 4-(1,2-Dihydroxyethyl)benzene-1,2-diol.

[Intended Use]

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

[Source]

The seeds of Ligustrum lucidum.
Biological Activity or Inhibitors

Plasma 3,4-dihydroxyphenylglycol and 3-methoxy-4-hydroxyphenylglycol are insensitive indicators of alpha 2-adrenoceptor mediated regulation of norepinephrine release in healthy human volunteers.\[1\]

3,4-Dihydroxyphenylglycol has antioxidant properties.\[2\]

3,4-Dihydroxyphenylglycol and hydroxytyrosyl acetate show a strong reactive oxygen species (ROS)-scavenging activity, reducing significantly nitrite levels with a significant decrease on iNOS expression, their phenolic derivatives could play an important role in the anti-inflammatory effect of extra virgin olive oil.\[3\]

Solvent

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

HPLC Method\[4\]

Mobile phase: Acetonitrile- 1% Acetic acid aqueous solution=50:50;

Flow rate: 0.5 ml/min;

Column temperature: 30℃;

The wave length of determination: 280 nm.

Storage

2-8℃, 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](http://www.chemfaces.com)

**Tech Support:** service@chemfaces.com