[Product Information]

Name: 2-(3,4-Dihydroxyphenyl)ethanol
Catalog No.: CFN99076
Cas No.: 10597-60-1
Purity: >=98%
M.F: C₈H₁₀O₃
M.W: 154.2
Physical Description: Oil
Synonyms: 4-(2-Hydroxyethyl)-1,2-Benzenediol; 3,4-Dihydroxyphenethyl Alcohol.

[Intended Use]

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

[Source]

The herbs of Canarium album.

[Biological Activity or Inhibitors]
2-(3,4-Dihydroxyphenyl)ethanol is a potent specific inhibitor of lipoxygenase activities, it inhibits platelet 12-LO activity (IC\textsubscript{50}, 4.2 microM) and PMNL 5-LO activity (IC\textsubscript{50}, 13 microM) but not cyclooxygenase activity in cell-free conditions; it also inhibits 12-LO activity in intact platelets (IC\textsubscript{50}, 50 microM) and reduces leukotriene B4 production in intact PMNL stimulated by A23187 (IC\textsubscript{50}, 26 microM).

Hydroxytyrosol (2-(3,4dihydroxyphenyl)ethanol has antioxidant properties.

[ **Solvent** ]

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

[ **HPLC Method** ]

Mobile phase: Acetonitrile-1\%Phosphoric acid in water=6:94;
Flow rate:1.0 ml/min;
Column temperature: 30℃;
The wavelength of determination:258 nm.

[ **Storage** ]

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

[ **References** ]


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