4-Hydroxyphenylacetic acid Datasheet

4th Edition (Revised in July, 2016)

[ Product Information ]
Name: 4-Hydroxyphenylacetic acid
Catalog No.: CFN97923
Cas No.: 156-38-7
Purity: >=98%
M.F: C₈H₈O₃
M.W: 152.15
Physical Description: Powder
Synonyms: 2-(4-Hydroxyphenyl)acetic acid.

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

[ Source ]
The herbs of Bulbophyllum odoratissimum.

[ Biological Activity or Inhibitors ]
4-Hydroxyphenylacetic acid can attenuate inflammation and edema through suppressing
hypertonic and hypoxic induction of HIF-1α in seawater aspiration-induced lung injury in rats.\[^1\]

4-Hydroxyphenylacetic acid shows nematicidal activities against root-lesion nematode, and the pine wood nematode.\[^2\]

4-Hydroxyphenylacetic acid can inhibit monophenolase (IC\(_{50}\)=0.79mM) and activate diphenolase of mushroom tyrosinase with its increasing concentrations, it can not only inhibit the oxy form but also activate the met form of mushroom tyrosinase. \[^3\]

**[Solvent]**
Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

**[HPLC Method]**\[^4\]
Mobile phase: Acetonitrile-Methanol=75:25;
Flow rate: 1.0 ml/min;
Column temperature: 30 °C;
The wave length of determination: 275 nm.

**[Storage]**
2-8°C, 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
Tech Support: service@chemfaces.com