

4-Hydroxybenzyl alcohol Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: 4-Hydroxybenzyl alcohol

Catalog No.: CFN97071

Cas No.: 623-05-2

Purity: > 95%

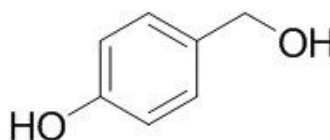
M.F: C₇H₈O₂

M.W: 124.14

Physical Description: Powder

Synonyms: P-(Hydroxybenzyl)phenol; P-Hydroxybenzyl alcohol;

4-Methylolphenol; 4-Hydroxybenzenemethanol.



[Intended Use]

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

[Source]

The herbs of *Cistanche deserticola* Ma.

[Biological Activity or Inhibitors]

4-Hydroxybenzyl alcohol (4-HBA), one of the major active phenolic constituents of *Gastrodia elata* Blume, a very important traditional Chinese medicinal herb, has been shown to be an effective agent against the central and peripheral nervous disorders; 4-HBA can ameliorate ischemic injury induced by transient focal cerebral ischemia in rats, and this neuroprotective effect may be partly related to attenuate apoptosis pathway.^[1]

4-Hydroxybenzyl alcohol possesses anti-angiogenic, anti-inflammatory and anti-nociceptive activity possibly via its down-regulating activity on NO production, which may be partly responsible for the pharmacological efficacy of several folkloric medicines.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: Methanol-H₂O-Isopropyl alcohol =35:55:10 ;

Flow rate: 0.4 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 270 nm.

[Storage]

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

[References]

[1] Yu S S, Zhao J, Zheng W P, *et al. Brain Res.*, 2009, 1308(3):167-75.

[2] Lim Eun-Ju, Jung Hyun-Joo, Park Eun-Hee, *et al. J. Pharm. Pharmacol.*, 2007, 59(9): 1235-40.

[3] Li H X, Ding M Y, Lv K, *et al. J.Liq. Chromatogr. R. T.*, 2007, 24(4):579-88.

[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