

Octahydrocurcumin Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Octahydrocurcumin

Catalog No.: CFN90584

Cas No.: 36062-07-4

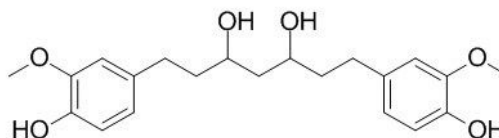
Purity: > 98%

M.F: C₂₁H₂₈O₆

M.W: 376.44

Physical Description: Powder

Synonyms: 1,7-Bis(4-hydroxy-3-methoxyphenyl)heptane-3,5-diol; 3,5-Heptanediol, 1,7-bis(4-hydroxy-3-methoxyphenyl)-.



[Intended Use]

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

[Source]

The rhizomes of *Curcuma longa* L.

[Biological Activity or Inhibitors]

Octahydrocurcumin has antioxidant activity, it exhibits stronger DPPH scavenging activity.^[1]

Octahydrocurcumin can inhibit the lipopolysaccharide (LPS)-induced inflammatory response via the mechanism of inhibiting NF- κ B translocation to the nucleus.^[2]

Octahydrocurcumin exhibits potent cytotoxic effect (IC₅₀ =19.46 μ g/mL) and shows high antimicrobial activity. ^[3]

[Solvent]

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

[HPLC Method]^[4]

Mobile phase: Acetonitrile-H₂O (adjusted to pH 3.0 with formic acid),gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 420 nm.

[Storage]

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

[References]

[1] Somparn P, Phisalaphong C, Nakornchai S, *et al. Biol.Pharm. Bull.*, 2007, 30(1):74-8.

[2] Zhao F, Gong Y, Hu Y, *et al. Mol. Med. Rep.*, 2015, 11(4):3087-93.

[3]Younis A M, Ibrahim ARS, Ibrahim SM, *et al. J. Pharm. Sci. Res.* , 2016, 8(10):1169-78.

[4] Hoehle S I, Pfeiffer E, Sólyom A M, *et al. J. Agric. Food Chem.*, 2006, 54(3):756-64.

[Contact]

Address:

S5-3 Building, No. 111, Dongfeng Rd.,

Wuhan Economic and Technological Development Zone,

Email: info@chemfaces.com

Tel: +86-27-84237783

Fax: +86-27-84254680

Wuhan, Hubei 430056,
China

Web: www.chemfaces.com

Tech Support: service@chemfaces.com