

DL-Menthol Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: DL-Menthol

Catalog No.: CFN99160

Cas No.: 15356-70-4

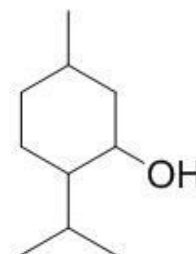
Purity: > 98%

M.F: C₁₀H₂₀O

M.W: 156.27

Physical Description: White cryst.

Synonyms: 5-Methyl-2-propan-2-yl-1-cyclohexanol.



[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Food research;
4. Cosmetic research;
5. Synthetic precursor compounds;
6. Care and daily chemicals;
7. Intermediates & Fine Chemicals;
8. Ingredient in supplements, beverages;
9. Aromatics;
10. Chewing gum;
11. Spice flavor;

12. Others.

[Source]

The herb of *Mentha haplocalyx* Briq.

[Biological Activity or Inhibitors]

DL-Menthol has short term toxicity in rats.^[1]

DL-menthol, D-menthol, and L- menthol can play a role in the induction of surgical anesthesia in fishes, related at least in part to the activation of GABAA receptors, and of rapid movement possibly via cold nociceptors.^[2]

Menthol has a fast-acting, short-lived effect of reducing blood flow. Ice reduces blood flow after a prolonged duration, muscle strength appears to be inhibited after ice application.^[3]

[Solvent]

Chloroform, Dichloromethane, Ethyl ether, Ethyl Acetate, etc.

[HPLC Method]^[4]

Mobile phase: Methanol -Ethyl acetate,gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 25 °C;

The wave length of determination: 275 nm.

[Storage]

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

[References]

[1] Pereira C, A Narsimhan,C D'Lima,*et al. Toxicol. Int., 2007,14(1):41-6.*

[2] Kasai M, Hososhima S, Liang Y F. *Open Neuroscience Journal, 2014, 8(1):1-8.*

[3] Tummala R, Diegelman P, Hector S, *et al.* *J. Sport. Rehabil.*, 2011, 20(3):355-66.

[4] Guo-li Yang. *Sichuan agricultural university*, 2008.

[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