[ **Product Information** ]

**Name:** L-Menthol  
**Catalog No.:** CFN98123  
**Cas No.:** 2216-51-5  
**Purity:** \( \geq 99\% \)  
**M.F:** \( \text{C}_{10}\text{H}_{20}\text{O} \)  
**M.W:** 156.27  
**Physical Description:** Cryst.  
**Synonyms:** (1R,2S,5R)-2-Isopropyl-5-methylcyclohexanol.

[ **Intended Use** ]

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

[ **Source** ]

The herbs of *Mentha canadensis* L.
[**Biological Activity or Inhibitors**]

Menthol is used in analgesic balms and also in foods and oral hygiene products for its fresh cooling sensation, menthol enhances cooling by interacting with the cold-sensitive thermoTRP channel TRPM8, menthol at the highest concentration (40%) reduces mechanical withdrawal thresholds, with no effect at lower concentrations.[1]

L-Menthol has anti-inflammatory effects, clinical trials investigating the potential therapeutic efficacy of L-menthol for treatment of chronic inflammatory disorders such as bronchial asthma, colitis and allergic rhinitis seem worthwhile.[2]

L-Menthol has antiperistaltic effect, it sprayed on the gastric mucosa significantly suppresses peristalsis with minimal adverse drug reactions during upper GI endoscopy.[3]

[**Solvent**]

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

[**HPLC Method**][4]

Mobile phase: 0.1% Formic acid in water- Methanol, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: 30℃;

The wave length of determination: 300 nm.

[**Storage**]

2-8℃, 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