

Alismol Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Alismol

Catalog No.: CFN97446

Cas No.: 87827-55-2

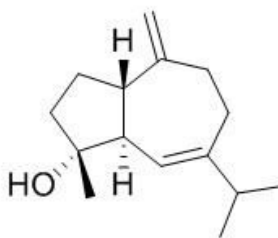
Purity: > 98%

M.F: C₁₅H₂₄O

M.W: 220.4

Physical Description: Oil

Synonyms: (1R,3aS,8aS)-1-methyl-4-methylene-7-propan-2-yl-2,3,3a,5,6,8a-hexahydroazulen-1-ol; Valerol.



[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Food and cosmetic research;
4. Synthetic precursor compounds;
5. Others.

[Source]

The tubers of *Alisma plantago-aquatica* Linn.

[Biological Activity or Inhibitors]

Alismol, a sesquiterpenoid isolated from *Alismatis Rhizoma*, the rhizome of *Alisma orientale* Juzepczuk (Alismataceae), has antihypertensive action.^[1]

Alismol decreases cardiac output, heart rate and left ventricular pressure, but it increases coronary flow, it has been used for the prevention of anginal attacks.^[2]

Alismol inhibits mainly Ca^{2+} influx through a voltage-dependent Ca^{2+} channel.^[3]

Alismol has inhibitory effect to MMP3 expression and nitric oxide produced in microglial cells.^[4]

[Solvent]

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, etc.

[HPLC Method]^[5]

Mobile phase: Acetonitrile -H₂O=70:30 ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 264 nm.

[Storage]

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

[References]

[1] Yamahara J, Kobayashi G, Iwamoto M, *et al. Phytother. Res.*, 1989, 3(2):57-60.

[2] Yamahara J, Matsuda H, Kobayashi G, *et al. Phytother. Res.*, 1989, 3(2):72-4.

[3] Matsuda H , Kobayashi G , Yamahara J , *et al. Life Sci.*, 1987, 41(15):1845-52.

[4] Liu Y. *Experimental Technology & Management*, 2012, 29(10):47-50.

[5] Huang Z, Wan L, Luo H. *Journal of Chengdu University of Traditional Chinese Medicine*, 2010, 33(1):74-5.

[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