

Voleneol Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Voleneol

Catalog No.: CFN97192

Cas No.: 70389-88-7

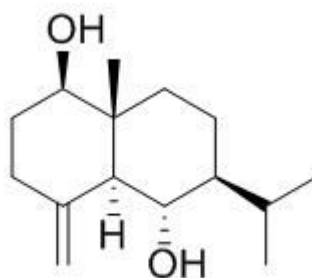
Purity: > 95%

M.F: C₁₅H₂₆O₂

M.W: 238.4

Physical Description: Powder

Synonyms: 1beta,6alpha-Dihydroxy-4(14)-eudesmene; 1beta,6alpha-Dihydroxyeudesm-4(15)-ene.



[Intended Use]

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

[Source]

The herbs of *Curcuma wenyujin*.

[Biological Activity or Inhibitors]

1 β ,6 α -Dihydroxyeudesm-4(15)-ene (Voleneol,DE) can attenuate the lipopolysaccharide (LPS)-induced inflammation in BV2 microglial cells, it also can dose-dependently suppress the protein expression of inducible nitric oxide synthase (iNOS) and cyclooxygenase-2 (COX-2), suggest that DE may be a good candidate to regulate LPS-induced inflammatory response.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Methanol -H₂O, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 254 nm.

[Storage]

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

[References]

[1] D.-C. Kim, C.-S. Yoon, W. M. Ko, *et al. Korean Journal of Pharmacognosy*, 2015, 46(1): 12-6.

[2] Cao S, Hou Y, Brodie P, *et al. Chem. Biodivers.*, 2011, 8(4):643-50.

[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