

Danshenol B Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Danshenol B

Catalog No.: CFN90474

Cas No.: 189308-09-6

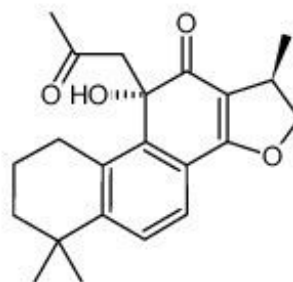
Purity: >=98%

M.F: C₂₂H₂₆O₄

M.W: 354.43

Physical Description: Cryst.

Synonyms: (1R,10S)-10-hydroxy-1,6,6-trimethyl-10-(2-oxopropyl)-1,6,7,8,9,10-hexahydrophenanthro[1,2-b]furan-11(2H)-one.



[Intended Use]

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

[Source]

The roots of *Salvia miltiorrhiza*.

[Biological Activity or Inhibitors]

Danshenol B shows strong aldose reductase (AR) inhibitory activity (IC₅₀ from 0.10 to 1.75 microM).^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Methanol-1% Acetic acid in water, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 280 nm.

[Storage]

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

[References]

[1] Tezuka Y, Kasimu R, Basnet P, *et al. Chem. Pharm.Bull.*, 1997, 45(8):1306-11.

[2] Lin J T, Tie W U, Liao Y, *et al. Central South Pharmacy*, 2007, 5(1):22-4.

[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