

Dehydroabietinol Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Dehydroabietinol

Catalog No.: CFN98609

Cas No.: 3772-55-2

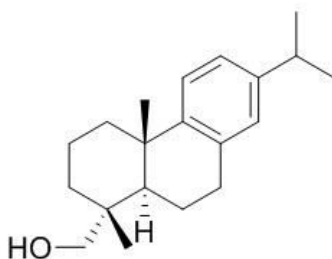
Purity: > 95%

M.F: C₂₀H₃₀O

M.W: 286.5

Physical Description: Powder

Synonyms: (1,4a-Dimethyl-7-propan-2-yl-2,3,4,9,10,10a-hexahydrophenanthren-1-yl)methanol.



[Intended Use]

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

[Source]

The barks of *Pinus yunnanensis*.

[Biological Activity or Inhibitors]

Dehydroabietinol can inhibit growth of chloroquine-sensitive as well as chloroquine-resistant strains of *Plasmodium falciparum* cultivated in erythrocytes in vitro (IC 50 =26-27 microM).^[1]

[Solvent]

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

[HPLC Method]^[2]

HPLC-APCI:

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

Flow rate: 1.0 ml/min;

Heated capillary temperature : 150 °C;

Vaporizer temperature : 360 °C;

Nebulisation gas(N₂):90 psi.

[Storage]

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

[References]

[1] Ziegler H L, Jensen T H, Christensen J, *et al. Planta Med.*, 2002, 68(6):547-9.

[2] Nyongbela K, Ndjoko K I, Brun R, *et al. Nat. Prod. Commun.*, 2009, 4(1):5-8.

[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