Natural Products

ChemFaces

Faradiol Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Faradiol

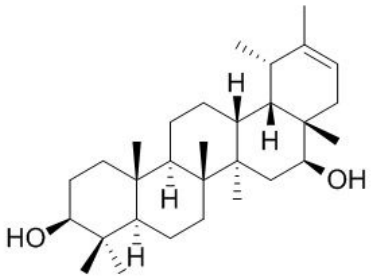
Catalog No.: CFN93020

Cas No.: 20554-95-4

Purity: > 95%

M.F: $C_{30}H_{50}O_2$

M.W: 442.7



Physical Description: Powder

Synonyms: (18α,19α)-Urs-20-ene-3β,16β-diol.

[Intended Use]

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

[Source]

The herbs of *Tussilago farfara*.

[Biological Activity or Inhibitors]

Faradiol shows inhibitory activity against 12-O-tetradecanoylphorbol-13-acetate (TPA)-

induced inflammation in mice; it can inhibit markedly the tumor-promoting effect of TPA (1 ug/mouse) on skin tumor formation following initiation with 7,12-dimethylbenz[α] anthracene (50 ug/mouse).[1]

Faradiol shows inhibitory effects against Epstein-Barr virus early antigen (EBV-EA) activation with potencies either comparable with or stronger than that of glycyrrhetic acid, a known natural anti-tumor-promoter.[2]

[Solvent]

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

[HPLC Method][3]

Mobile phase: Methanol- Aqueous trifluoroacetic acid(pH4.0),gradient elution ;

Flow rate: 1.5 ml/min;

Column temperature: 30 ℃;

The wave length of determination: 210 nm.

[Storage]

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

[References]

[1] Yasukawa K, Akihisa T, Oinuma H, *et al. Oncology, 1996, 53(4):341-4.*

[2] Ukiya M, Akihisa T, Tokuda H, *et al. Cancer Lett., 2002, 177(1):7-12.*

[3] Baumann D, Adler S, Grüner S, *et al. Phytochem. Anal., 2004, 15(4):226-30.*

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