

Karounidiol Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Karounidiol

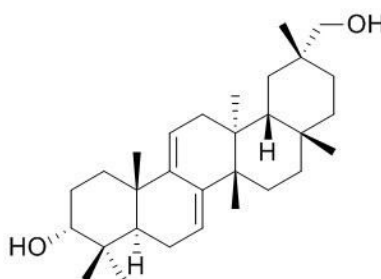
Catalog No.: CFN90563

Cas No.: 118117-31-0

Purity: > 95%

M.F: C₃₀H₄₈O₂

M.W: 440.70



Physical Description: Powder

Synonyms: 26-Noroleana-7,9(11)-diene-3,29-diol,13-methyl-, (3.alpha.,13.alpha.,14.beta.,20.alpha.)-; (3R,4aR,6bS,8aS,11R,12aR,12bS,14bS)-11-(hydroxymethyl)-4,4,6b,8a,11,12b,14b-heptamethyl-1,2,3,4,4a,5,6b,7,8,8a,9,10,11,12,12a,12b,13,14b-octadecahydronicen-3-ol; (3R,6bS,8aS,11R,12bS,14bS)-11-(hydroxymethyl)-4,4,6b,8a,11,12b,14b-heptamethyl-1,2,3,4,4a,5,6b,7,8,8a,9,10,11,12,12a,12b,13,14b-octadecahydronicen-3-ol.

[Intended Use]

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

[Source]

The seeds of *Trichosanthes kirilowii* Maxim.

[Biological Activity or Inhibitors]

Karounidiol suppresses the promoting effect of 12-O-tetradecanoylphorbol-13-acetate (TPA, 1 microgram/ear) on skin tumor formation in mice following initiation with 7,12-dimethylbenz[a]anthracene (50 micrograms/mouse).^[1]

Karounidiol has cytotoxic activity against human cancer cell lines.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: Methanol -H₂O, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 230 nm.

[Storage]

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

[References]

[1] Yasukawa K, Akihisa T, Tamura T, *et al. Biol.Pharmaceut. Bull.*, 1994, 17(3):460-2.

[2] Akihisa T, Tokuda H, Ichiishi E, *et al. Cancer Lett.*, 2001, 173(1):9-14.

[3] Sun W, Chao Z M, Wang C, *et al. Central South Pharmacy*, 2013(10):757-60.

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