

Odoratone Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Odoratone

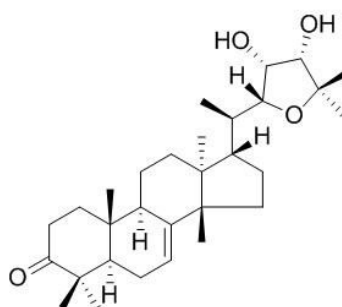
Catalog No.: CFN99807

Cas No.: 16962-90-6

Purity: > 95%

M.F: C₃₀H₄₈O₄

M.W: 472.70



Physical Description: Powder

Synonyms: (5R,9R,10R,13S,14S,17S)-17-((R)-1-((2R,3R,4S)-3,4-dihydroxy-5,5-dimethyl tetrahydrofuran-2-yl)ethyl)-4,4,10,13,14-pentamethyl-1,2,4,5,6,9,10,11,12,13,14,15,16,17-tetradecahydro-3H-cyclopenta[a]phenanthren-3-one.

[Intended Use]

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

[Source]

The seeds of *Melia azedarach* L.

[Biological Activity or Inhibitors]

Odoratone shows insecticidal activities, it shows mortality on fourth instar larvae of mosquitoes (*Anopheles stephensi*) with LC(50) values of 154 ppm.^[1]

Odoratone exhibits strong antifeedant activity against *Pieris brassicae*.^[2]

[Solvent]

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

[HPLC Method]^[1]

Mobile phase: Chloroform- Methanol, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 230 nm.

[Storage]

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

[References]

[1] Siddiqui B S, Afshan F, Gulzar T, *et al. ChemInform*, 2003, 34(37):415-7.

[2] Qi S H, Wu D G, Ma Y B, *et al. Acta Botan. Sin.*, 2003, 45(9):1129-33.

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