

Incensole acetate Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Incensole acetate

Catalog No.: CFN93207

Cas No.: 34701-53-6

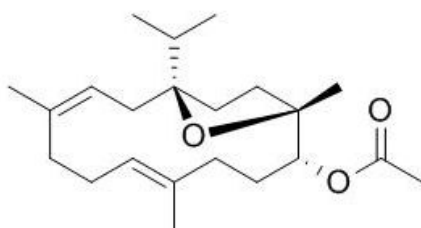
Purity: >=98%

M.F: C₂₂H₃₆O₃

M.W: 348.51

Physical Description: Powder

Synonyms: (1R,2S,5E,9E,12S)-rel-1,5,9-Trimethyl-12-(1-methylethyl)-15-oxabicyclo[10.2.1]pentadeca-5,9-dien-2-ol 2-acetate.



[Intended Use]

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

[Source]

The resin of *Boswellia carterii* Birdw.

[Biological Activity or Inhibitors]

Incensole acetate is a potent TRPV3 agonist that causes anxiolytic-like and antidepressive-like behavioral effects in wild-type (WT) mice with concomitant changes in c-Fos activation in the brain.^[1]

Incensole acetate treatment has a robust anti-inflammatory effect in a mouse inflamed paw model, it and its derivatives may thus constitute a potential novel group of NF-kappaB inhibitors, originating from an ancient anti-inflammatory herbal remedy.^[2]

Incensole acetate has anti-inflammatory and neuroprotective activities, it may serve as a novel therapeutic treatment for ischemic and reperfusion injury. ^[3]

[Solvent]

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

[HPLC Method]

Not data available.

[Storage]

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

[References]

[1] Moussaieff A, Rimmerman N, Bregman T, *et al. FASEB J.*, 2008, 22(8):3024-34.

[2] Moussaieff A, Shohami E, Kashman Y, *et al. Mol. Pharmacol.*, 2007, 72(6):1657-64.

[3] Moussaieff A, Jin Y, Hong Z, *et al. Brain Res.*, 2012, 1443(6):89-97.

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