

beta-Costic acid Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: beta-Costic acid

Catalog No.: CFN98498

Cas No.: 3650-43-9

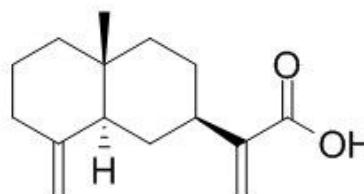
Purity: > 98%

M.F: C₁₅H₂₂O₂

M.W: 234.3

Physical Description: Oil

Synonyms: 2-[(2R,4aR,8aS)-4a-methyl-8-methylene-1,2,3,4,5,6,7,8a-octahydronaphthalen-2-yl]-2-propenoic acid.



[Intended Use]

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

[Source]

The herb of *Dittrichia graveolens*.

[Biological Activity or Inhibitors]

The use of costic acid and other components from the plant *Dittrichia viscosa* (Greek: *aconiza*) and related species for the preparation of acaricidal products used against the *acari Varroa* destructor as parasite of the honey bee.^[1]

[Solvent]

Pyridine, DMSO, Chloroform, Dichloromethane, Acetone, etc.

[HPLC Method]^[2]

Mobile phase: Acetonitrile-0.4%Phosphoric acid H₂O, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 225 nm.

[Storage]

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

[References]

[1] Katerinopoulos H E, Isaakidis D, Sofou K, *et al.* EP 2346328 A1[P]. 2011.

[2] Ni L, Yang X. *Chinese Traditional Patent Medicine*, 2012, 34 (4): 664-6.

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