

Masticadienolic acid Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Masticadienolic acid

Catalog No.: CFN98707

Cas No.: 472-30-0

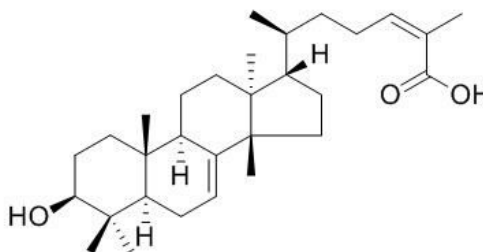
Purity: > 98%

M.F: C₃₀H₄₈O₃

M.W: 456.71

Physical Description: Cryst.

Synonyms: (3 β ,13 α ,14 β ,17 α ,20S,24Z)-3-Hydroxylanosta-7,24-dien-26-oic acid; Masticadielic acid.



[Intended Use]

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

[Source]

The herbs of *Myrica nana*.

[Biological Activity or Inhibitors]

Masticadienolic acid, isolated from berries of *Schinus terebinthifolius*, is a specific competitive inhibitor of secreted phospholipase A2, it not only protects the active site histidine from alkylation but also inhibits the action of secreted from pancreas, synovial fluid, and bee venom.^[1]

Masticadienolic acid has anti-inflammatory activity, it shows effectiveness on the mouse ear inflammation induced by repeated applications of 12-0-tetradecanoylphorbol 13-acetate and on the phospholipase A2-induced foot paw edema.^[2]

[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] Jain M K, Yu B Z, Rogers J M, *et al. Phytochemistry*, 1995, 39(3):537-47.

[2] Ginerlarza E M, Máñez S, Giner R M, *et al. Planta Med.*, 2002, 68(4):311-5.

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