

Betulonic acid Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Betulonic acid

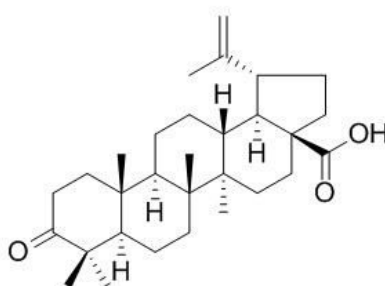
Catalog No.: CFN98682

Cas No.: 4481-62-3

Purity: >=98%

M.F: C₃₀H₄₆O₃

M.W: 454.69



Physical Description: Powder

Synonyms: Betulinonic acid; Liquidambaric acid; LiquidaMba.

[Intended Use]

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

[Source]

The branch of *Eucalyptus globulus* Labill.

[Biological Activity or Inhibitors]

Betulonic acid, a triterpenoid found in many plant species, has anti-cancer and anti-HIV

activities.^[1]

Betulinic acid has antiviral activity against herpes simplex virus, it also suppresses ECHO 6 virus reproduction.^[2]

Betulonic acid has hepatoprotective and anti-inflammatory properties. ^[3]

[Solvent]

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

[HPLC Method]^[4]

HPLC-ELSD

Mobile phase: Methanol-H₂O-Glacial acetic acid =87:13:0.1;

Flow rate: 1.0 ml/min;

Column temperature: 35 °C;

Drift tube temperature: 82 °C;

Flow rate of gas : 1.25L/min.

[Storage]

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

[References]

[1] Bastos D Z, Pimentel I C, de Jesus D A, *et al. Phytochemistry*, 2007, 68(6):834-9.

[2] Pavlova N I, Savinova O V, Nikolaeva S N, *et al. Fitoterapia*, 2003, 74(5):489-92.

[3] Vasilevsky S F, Govdi A I, Shults E E. *Bioorg. Med. Chem.*, 2009, 17(14):5164-9.

[4] Zhang Q W, Zhang Y X, Sun Y R, *et al. China Journal of Chinese Materia Medica*, 2005, 30(15):1168-70.

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