

Arjunic acid Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Arjunic acid

Catalog No.: CFN98397

Cas No.: 31298-06-3

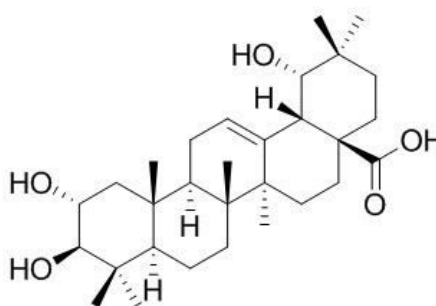
Purity: > 95%

M.F: C₃₀H₄₈O₅

M.W: 488.7

Physical Description: Powder

Synonyms: 2 α ,3 β ,19 α -Trihydroxyolean-12-en-28-oic acid.



[Intended Use]

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

[Source]

The stem bark of *Terminalia arjuna*.

[Biological Activity or Inhibitors]

Arjunic acid is a strong antioxidant and a free radical scavenger, more potent than

ascorbic acid, in microsomes lipid peroxidation, DPPH, hydrogen peroxide induced RBCs hemolysis, and (DCFH₂-DA) assay.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Acetonitrile-H₂O, gradient elution ;

Flow rate: 0.8 ml/min;

Column temperature: 30 °C;

The wave length of determination: 220 nm.

[Storage]

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

[References]

[1] Sun F Y, Chen X P, Wang J H, *et al. Am. J. Chin. Med.* 2008, 36(1): 197-207.

[2] Singh D V, Verma R K, Singh S C, *et al. J.Pharm. Biomed. Anal.*, 2002, 28(3-4):447-52.

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