

Pimaric acid Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Pimaric acid

Catalog No.: CFN99393

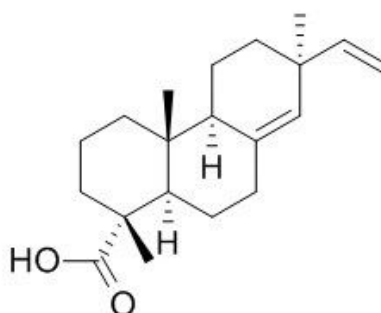
Cas No.: 127-27-5

Purity: > 95%

M.F: C₂₀H₃₀O₂

M.W: 302.5

Physical Description: Powder



Synonyms: 1-Phenanthrenecarboxylic acid, 7-ethenyl-1,2,3,4,4a,4b,5,6,7,9,10,10a-dodecahyd; Sandaracopimaric acid; Dextropimaric acid.

[Intended Use]

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

[Source]

The herbs of *Aralia cordata*.

[Biological Activity or Inhibitors]

Pimaric acid has potent anti-atherosclerotic activity with inhibitory action on MMP-9 production and cell migration in tumor necrosis factor (TNF)- α -induced human aortic smooth muscle cells (HASMCs).^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Methanol- 2% Acetic acid in water=40:60 ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 279 nm.

[Storage]

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

[References]

[1] Suh SJ, Kwak CH, Chung TW, *et al. Chem. Biol. Interact.*, 2012 Aug 30;199(2):112-9.

[2] Cui X J, Chen L F, Liu Q, *et al. Lishizhen Medicine and Materia Medica Research*, 2004, 15(2):78-9.

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