

Roburic acid Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Roburic acid

Catalog No.: CFN98562

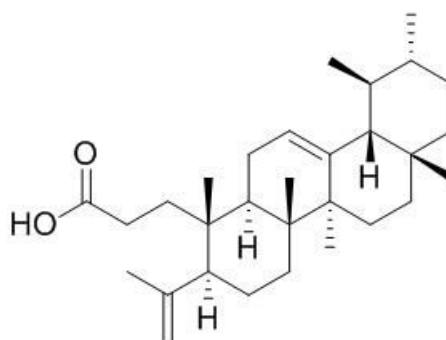
Cas No.: 6812-81-3

Purity: > 98%

M.F: C₃₀H₄₈O₂

M.W: 440.71

Physical Description: White powder



Synonyms: (1S,2S,4aR,4bS,6aR,9R,10S,10aR,12aR)-1,2,3,4,4a,4b,5,6,6a,7,8,9,10,10a,12,12a-Hexadecahydro-1,4a,4b,6a,9,10-hexamethyl-2-(1-methylethenyl)-1-chrysenepropionic acid.

[Intended Use]

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

[Source]

The roots of *Gentiana macrophylla*.

[Biological Activity or Inhibitors]

Roburic acid is a new triterpene 3,4-seco-acid from Section Crucata of Gentiana.^[1,2]

[Solvent]

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

[HPLC Method]^[3]

TLC:

Developing solvent : Chloroform - Methanol - Formic acid = 30: 0.2: 0.3;

Chromogenic agent::10% Sulfuric acid in ethanol

The wave length of determination: 510 nm.

[Storage]

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

[References]

[1] Wu L H, Bligh S W A, Leon C J, *et al. Biochem. Syst. Ecol.*, 2012, 43(8):152–5.

[2] Mangoni L, Belardini M. *Tetrahedron. Lett.*, 1963, 4(14):921-4.

[3] Wang Y Y, Zhao Z L, Wu RJ, *et al. Identification of traditional Chinese medicine Chinese Medical Association Conference*, 2008.

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