

Isorhynchophyllic acid Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Isorhynchophyllic acid

Catalog No.: CFN98132

Cas No.: 144525-05-3

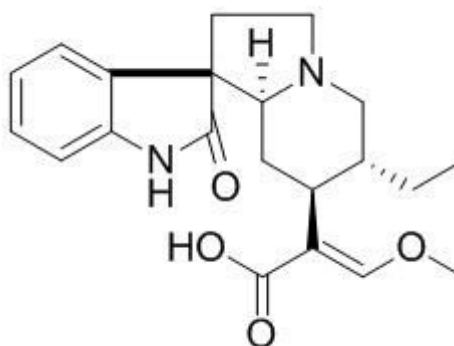
Purity: >=98%

M.F: C₂₁H₂₆N₂O₄

M.W: 370.44

Physical Description: White cryst.

Synonyms: (16E,20α)-16,17-Didehydro-17-methoxy-2-oxo-corynoxan-16-carboxylic acid; Isorhynchophyllic acid.



[Intended Use]

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

[Source]

The herbs of *Uncaria rhynchophylla*.

[Biological Activity or Inhibitors]

Isorhynchophyllic acid can significantly inhibit the proliferation of human cancer cells(A549, HepG2 and A2780 cells) with IC₅₀ values being 5.8, 12.8 and 11.8 umol/L, respectively.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Methanol -H₂O,gradient elution;

Flow rate:1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination:240 nm.

[Storage]

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

[References]

[1] Zhang Q, Chen L, Hu L J, *et al. Chin. J. Nat. Med.*,2016 Mar;14(3):232-5.

[2] Liu H M, Feng X Z, Lu Y. *Chinese Chemical Letters*,1992(6):425-6.

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