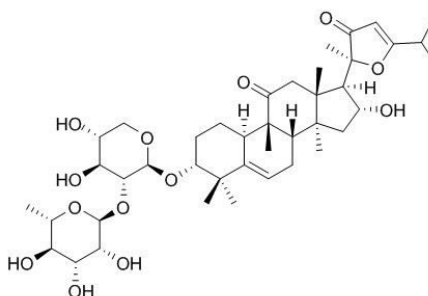


Picfeltarraenin IA Datasheet

5th Edition (Revised in January, 2017)**[Product Information]****Name:** Picfeltarraenin IA**Catalog No.:** CFN99942**Cas No.:** 97230-47-2**Purity:** >=98%**M.F:** C₄₁H₆₂O₁₃**M.W:** 762.92**Physical Description:** White powder

Synonyms: (2R)-2-[(3R,8S,9R,10R,13R,14S,16R)-3-[4,5-dihydroxy-3-(3,4,5-trihydroxy-6-methyl-tetrahydropyran-2-yl)oxy-tetrahydropyran-2-yl]oxy-16-hydroxy-4,4,9,13,14-pentamethyl-11-oxo-1,2,3,7,8,10,12,15,16,17-decahydrocyclopenta[a]phenanthren-17-yl]-5-isopropyl-2-methyl-furan-3-one.

[Intended Use]

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

[Source]The herbs of *Picria felterrae* Lour.

[Biological Activity or Inhibitors]

Picfeltaarraenin IA and IB are potential PI3K and epidermal growth factor receptor (EGFR) inhibitors, EGFR plays a critical role in the initiation and progression of a variety of human cancers, including breast cancer.^[1]

Picfeltaarraenin IA has anti-inflammatory activity, it can inhibit lipopolysaccharide-induced inflammatory cytokine production by the nuclear factor- κ B pathway in human pulmonary epithelial A549 cells.^[2]

Picfeltaarraenin IA acts as an inhibitor on both the classical and alternative pathways of the complement system. ^[3]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[4]

Mobile phase: Acetonitrile-0.1% Phosphoric acid H₂O, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 264 nm.

[Storage]

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

[References]

[1] Hasibuan P. A. Z, Satria D, Harahap U, *et al.* *USU Institutional Repository*, 2017, 1, 12.

[2] Shi R, Wang Q, Ouyang Y, *et al.* *Oncol. Lett.*, 2016, 11(2):1195-200.

[3] Huang Y, Bruyne T D, Apers S, *et al.* *J. Nat. Prod.*, 1998, 61(6):757-61.

[4] Janni W, Sarosiek T, Pikiel J, *et al.* *Chinese Traditional Patent Medicine*, 2012, 34(6):

1077-80.

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