

2,3,24-Trihydroxy-12-ursen-28-oic acid Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: 2,3,24-Trihydroxy-12-ursen-28-oic acid

Catalog No.: CFN97462

Cas No.: 89786-83-4

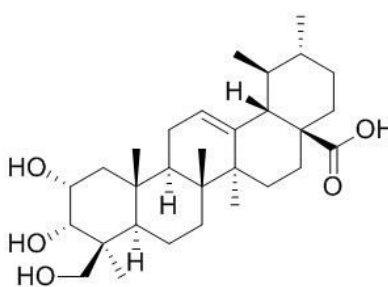
Purity: >95%

M.F: C₃₀H₄₈O₅

M.W: 488.7

Physical Description: Powder

Synonyms: 2 α , 3 α , 24-Trihydroxyurs-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 herbs of *Callicarpa bodinieri* Levl.

[Biological Activity or Inhibitors]

2 α ,3 α ,24-Trihydroxyurs-12-en-28-oic acid, a triterpenoid phytoalexin, isolated from peel of unripe fruits of nectarine (*Prunus persica* cv Fantasia), shows antifungal activity against the fungus mentioned.^[1]

2 α ,3 α ,24-Trihydroxyurs-12-en-28-oic acid shows in vitro cytotoxic activity against tumor cell lines including PLC,Hep3B,HepG2,HeLa,SW480,MCF-7 and Bel7402.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: 80% Methanol in water- 95% Acetonitrile in water,gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 210 nm.

[Storage]

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

[References]

[1] Lahlou H E, Hirai N, Tsuda M, *et al. Phytochemistry*, 1999, 52(4):623-9.

[2] Xin H L, Wu YC, Xu Y F, *et al.Chinese Journal of Natural Medicines*, 2010, 8(4):260-3.

[3] Takazawa H, Yoshimura K, Ikuta A, *et al. Plant Biotechnol.*, 2002, 19(3):181-6.

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