



2,3,23-Trihydroxy-12-oleanen-28-oic acid Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: 2,3,23-Trihydroxy-12-oleanen-28-oic acid

Catalog No.: CFN99041

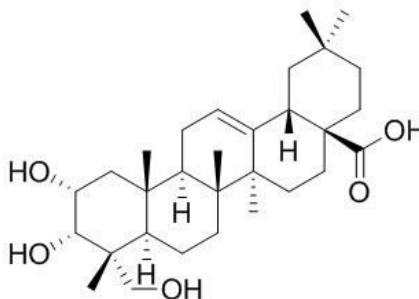
Cas No.: 102519-34-6

Purity: > 95%

M.F: C₃₀H₄₈O₅

M.W: 488.7

Physical Description: Powder



Synonyms: Isoarjunolic acid; (4aS,6aS,6bR,8aR,9R,10S,11R,12aR,12bR,14bS)-10,11-dihydroxy-9-(hydroxymethyl)-2,2,6a,6b,9,12a-hexamethyl-1,3,4,5,6,6a,6b,7,8,8a,9,10,11,12,12a,12b,13,14b-octadecahydropicene-4a(2H)-carboxylic acid.

[Intended Use]

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

[Source]

The leaves and roots of *Camptotheca acuminata* Decaisne.

[Biological Activity or Inhibitors]

2 β ,3 β ,23 α -Trihydroxy-12-oleanen-28-oic acid shows cytotoxic activities to human lung adenocarcinoma(A-549)cell lines.^[1]

2 α ,3 β ,23-Trihydroxyolean-12-en-28-oic acid and 2 α ,3 β ,23-trihydroxyurs-12-en-28-oic acid exhibit cytotoxicity in vitro against the growth of human cancer cells lines HepG-2,with IC₅₀ values of 16.13 $\pm$ 3.83, 15.97 $\pm$ 2.47 μ M, respectively.^[2]

[Solvent]

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

[HPLC Method]

Not data available.

[Storage]

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

[References]

[1] Xiao H T, Wang Y H, Hao X Y, *et al. Lishizhen Medicine & Materia Medica Research*, 2008,19(8):1931-2.

[2] Zhou Y, Yang B, Liu Z, *et al. Molecules*,2015,20(10):19252-62.

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