

Ursonic acid Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Ursonic acid

Catalog No.: CFN97078

Cas No.: 6246-46-4

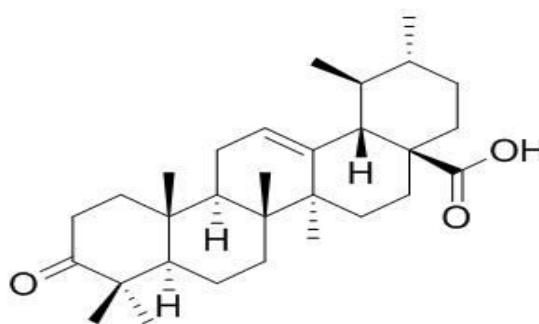
Purity: > 98%

M.F: C₃₀H₄₆O₃

M.W: 454.7

Physical Description: Powder

Synonyms:3-Oxours-12-en-28-oic acid;3-Ketone.



[Intended Use]

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

[Source]

The dried fruit of *Ziziphus jujuba*.

[Biological Activity or Inhibitors]

Ursonic acid, ursolic acid, and 3-oxofriedelan-28-oic acid show significant cytotoxic

activities against three human cancer cell lines(HONE-1 nasopharyngeal carcinoma, KB oral epidermoid carcinoma, and HT29 colorectal carcinoma cells), with IC₅₀ values in the range 4.0-9.4 microM.^[1]

Ursonic acid shows antiviral activity against Herpes simplex virus types I and II in vitro.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: Acetonitrile-0.05% Aqueous phosphoric acid,gradient elution;

Flow rate:1.0 ml/min;

Column temperature: 35°C;

The wave length of determination:238 nm.

[Storage]

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

[References]

[1] Chiang Y M, Chang J Y, Kuo C C, *et al. Phytochemistry*, 2005, 66(4):495-501.

[2] Poehland B L, Carté B K, Francis T A, *et al. J. Nat. Prod.*,1987 Jul-Aug;50(4):706-13.

[3] Guo S, Duan J A, Tang Y, *et al. J. Pharm. Biomed. Anal.*,2009 Jul 12;49(5):1296-302.

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