

Deoxycholic acid Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Deoxycholic acid

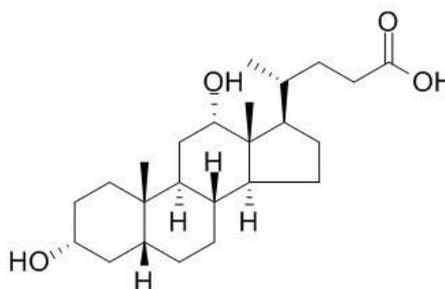
Catalog No.: CFN99798

Cas No.: 83-44-3

Purity: >=98%

M.F: C₂₄H₄₀O₄

M.W: 392.57



Physical Description: White powder

Synonyms: 3-Alpha,12-alpha-dihydroxy-5-beta-cholan-24-oic acid.

[Intended Use]

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

[Source]

The bile of Pig.

[Biological Activity or Inhibitors]

Deoxycholic acid is a strong promoter of hepatocarcinogenesis with possible complete

carcinogenicity in the liver and promotion potential for tumor development in the small intestine.^[1]

Loss of deoxycholic acid-induced EGFR/Ras/MAPK pathway function potentiates deoxycholic acid-stimulated FAS-induced hepatocyte cell death via a reduction in the expression of c-FLIP isoforms.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: Acetonitrile -0.2%Phosphoric acid solution=48:52;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 192 nm.

[Storage]

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

[References]

[1] Tsuda H, Asamoto M, Kagawa M, *et al. Carcinogenesis*, 1988, 9(6):1103-5.

[2] Qiao L, Studer E, Leach K, *et al. Mol. Biol. Cell.*, 2001, 12(9):2629-45.

[3] Gan Y, Qiu M. *China Pharmacist*, 2013, 16(7):1000-1.

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