

Cholic acid Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Cholic acid

Catalog No.: CFN99796

Cas No.: 81-25-4

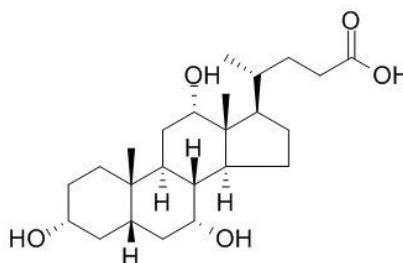
Purity: >=98%

M.F: C₂₂H₄₀O₅

M.W: 408.57

Physical Description: White powder

Synonyms: 3,7,12-Trihydroxy-cholan-24-oic acid; 5β-Cholan-24-oic acid, 3α, 7α, 12α-trihydroxy-.



[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]

Cholic acid (CA) prevents hepatic TG accumulation, VLDL secretion, and elevated serum TG in mouse models of hypertriglyceridemia; at the molecular level, CA decreases hepatic expression of SREBP-1c and its lipogenic target genes.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Methanol-0.1% Acetic acid H₂O, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

Drift tube temperature: 85 °C;

Flow rate of gas : 2.0L/min;

Carrier gas: N₂.

[Storage]

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

[References]

[1] Watanabe M, Houten S M, Wang L, *et al. J. Clin. Invest.*, 2004, 113(10):1408-18.

[2] Li K, Wang W H, Qi Y X, *et al. Journal of Chinese Pharmaceutical Sciences*, 2010, 45(8):626-9.

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