



Product Information

Product ID C2916

CAS No. 474-25-9

Chemical Name (3 α ,5 β ,7 α)-3,7-Dihydroxycholan-24-oic acid

Synonym Chenodiol, CDC, Chenix, Chenossil, Fluibil, Hekbilin, Ulmenide

Formula C₂₄H₄₀O₄

Formula Wt. 392.57

Melting Point 119° C

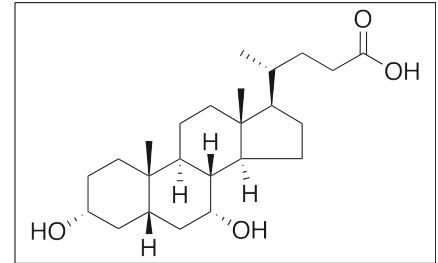
Purity ≥98%

Solubility Soluble in ethanol (20 mg/mL), methanol, acetone, or acetic acid. Practically insoluble in water, or benzene.

Store Temp Ambient

Ship Temp Ambient

Description Chenodeoxycholic acid is an endogenous bile acid synthesized by the liver; it acts as an agonist at the farnesoid X receptor (FXR). Chenodeoxycholic acid exhibits anticancer and gastrointestinal motility modulating activities. This compound treats chronic constipation and displays protective benefit against NSAID-induced gastrointestinal injury. Chenodeoxycholic acid also induces apoptosis, decreases PKC activity, and inhibits growth of ovarian cancer cells.



Bulk quantities available upon request

Product ID	Size
C2916	1 g
C2916	5 g
C2916	25 g

References Fiorucci S, Mencarelli A, Cipriani S, et al. Activation of the farnesoid-X receptor protects against gastrointestinal injury caused by non-steroidal anti-inflammatory drugs in mice. *Br J Pharmacol.* 2011 Dec;164(8):1929-38. PMID: 21564085.

Horowitz NS, Hua J, Powell MA, et al. Novel cytotoxic agents from an unexpected source: bile acids and ovarian tumor apoptosis. *Gynecol Oncol.* 2007 Nov;107(2):344-9. PMID: 17720233.

Bazzoli F, Malavolti M, Petronelli A, et al. Treatment of constipation with chenodeoxycholic acid. *J Int Med Res.* 1983;11(2):120-3. PMID: 6852359.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.