

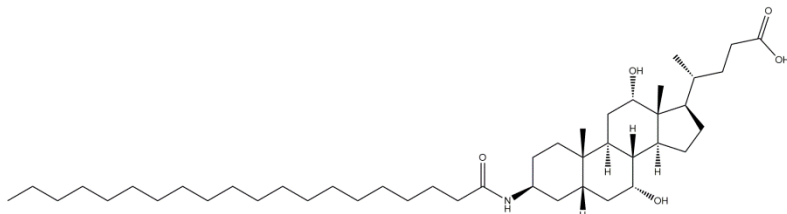
Aramchol

05/20

ALTERNATE NAMES: (4R)-4-[(3S,5S,7R,8R,9S,10S,12S,13R,14S,17R)-7,12-dihydroxy-3-(icosanoylamino)-10,13-dimethyl-2,3,4,5,6,7,8,9,11,12,14,15,16,17-tetradecahydro-1H-cyclopenta[a]phenanthren-17-yl]pentanoic acid; 3beta-arachidylamido-7alpha,12alpha-dihydroxy-5beta-cholan-24-oic acid; C20-FABAC; (3beta,5beta,7alpha,12alpha)-7,12-dihydroxy-3-(icosanoylamino)cholan-24-oic acid

CATALOG #: B3027-5 5 mg
B3027-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₄₄H₇₉NO₅

MOLECULAR WEIGHT: 702.1

CAS NUMBER: 246529-22-6

APPEARANCE: White Solid

PURITY: ≥98%

SOLUBILITY: ~30 mg/ml in DMF
~20 mg/ml in ethanol and DMSO

DESCRIPTION: Aramchol is a conjugate of cholic acid and arachidic acid. It is a synthetic fatty-acid/bile-acid conjugate (FABAC). It significantly reduces hepatic fat content in a high fat diet animal model. It dissolves pre-existing cholesterol crystals in model bile solutions. It causes 70% to 83% inhibition of stearoyl coenzyme A desaturase 1 (SCD1) activity in vitro. Aramchol (0.5 mg or 1.0 mg/d) reduces the development of gallstones or cholesterol crystals in mice fed a lithogenic high-fat diet. It significantly reduces liver fat content in patients with nonalcoholic fatty liver disease.

STORAGE TEMPERATURE: -20°C

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

REFERENCES:

1. Gilat, T., Leikin-Frenkel, A., Goldiner, I., et al. Arachidyl amido cholanoic acid (Aramchol) is a cholesterol solubilizer and prevents the formation of cholesterol gallstones in inbred mice. *Lipids* 36(10), 1135-1140 (2001).
2. Safadi, R., Konikoff, F.M., Mahamid, M., et al. The fatty acid-bile acid conjugate Aramchol reduces liver fat content in patients with nonalcoholic fatty liver disease. *Clin. Gastroenterol. Hepatol.* 12(12), 2085-2091 (2014).

RELATED PRODUCTS:

Pitavastatin Calcium (Cat. No. B2090)
 Mevastatin (Cat. No. 1694)
 Atorvastatin (Cat. No. 2278)
 Simvastatin (Cat. No. 1693)
 Lovastatin (Cat. No. 1692)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*