

Product Data Sheet

Product Name: Aramchol

Cat. No.: GC19435

Chemical Properties

Cas. No. 246529-22-6

SMILES C[C@H](CCC(O)=O)[C@@]1([H])CC[C@@]2([H])[C@]3([H])[C@H](O)C[C@]4([H])C[C@@H](NC(CCCCCCCCCCCCCCCCCC)=O)CC[C@]4(C)[C@@]3([H])C[C@H](O)[C@@]21C

Formula C44H79NO5 M.Wt 702.1

Solubility DMF: 30 mg/ml, DMF:PBS(pH 7.2) (1:1): 0.5 mg/ml, DMSO: 20 mg/ml, Ethanol: 20 mg/ml
Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

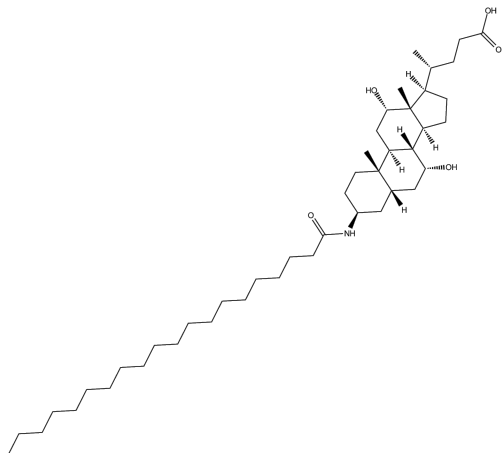
Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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Structure



Background

Aramchol, also known as arachidyl amido cholanoic acid, is a conjugate of arachidic acid and cholic acid. It reduces ex vivo cholesterol crystallization in native human bile and dissolves pre-formed cholesterol crystals in a dose-dependent manner. In vivo, aramchol completely prevents the formation of cholesterol crystals and gallstones in mice fed a lithogenic, high-fat diet. It also prevents lithogenic, high-fat diet-induced fatty liver in mice, rats, and hamsters. Formulations containing aramchol have been investigated clinically for the treatment of non-alcoholic fatty liver disease (NAFLD).

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]. Gilat, T., Leikin-Frenkel, A., Goldiner, I., et al. Prevention of diet-induced fatty liver in experimental animals by the oral administration of a fatty acid bile acid conjugate (FABAC) *Hepatology* 38(2), 436-442 (2003).

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[3]. 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).

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