

Product Data Sheet

Product Name: Chenodeoxycholic Acid 3-Glucuronide

Cat. No.: GC49853

Chemical Properties

Cas. No. 58814-71-4

SMILES C[C@@]12[C@](CC[C@]2([H])[C@@H](CCC(O)=O)C)([H])[C@@]3([H])[C@@](CC1)([H])[C@@]4([C@](C[C@@H](CC4)O[C@H]5[C@H](O)[C@@H](O)[C@H](O)[C@@H](C(O)=O)O5)([H])C[C@H]3O)C

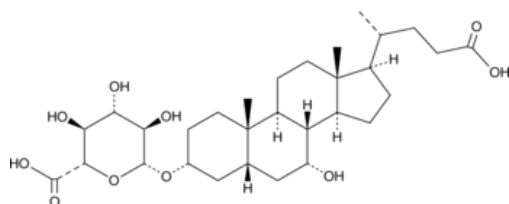
Formula C₃₀H₄₈O₁₀ M.Wt 568.7

Solubility DMSO: slightly, Methanol: slightly Storage -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.

Structure



Background

Chenodeoxycholic acid 3-glucuronide (CDCA-3G) is a metabolite of CDCA.^{1,2} It is formed from CDCA in human liver microsomes.

1. Caron, P., Trottier, J., Verreault, M., et al. Enzymatic production of bile acid glucuronides used as analytical standards for liquid chromatography-mass spectrometry analyses. *Mol. Pharm.* 3(3):293-302 (2006)
2. Takehara, I., Terashima, H., Nakayama, T., et al. Investigation of glycochenodeoxycholate sulfate and chenodeoxycholate glucuronide as surrogate endogenous probes for drug interaction studies of OATP1B1 and OATP1B3 in healthy Japanese volunteers. *Pharm. Res.* 34(8):1601-1614 (2017)

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

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