

Product Data Sheet

Product Name: N-Lithocholyl-L-Leucine

Cat. No.: GC92029

Chemical Properties

Cas. No. 2095154-73-5

Chemical Name N-[(3 α ,5 β)-3-hydroxy-24-oxocholan-24-yl]-L-leucine

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

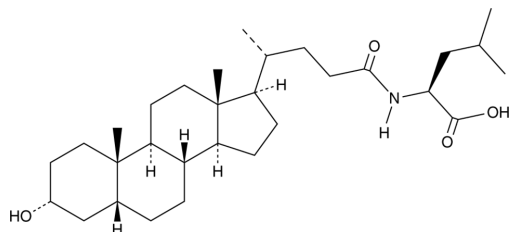
Formula C₃₀H₅₁NO₄ M.Wt 489.7

Solubility DMSO: Soluble: ≥ 10 mg/ml, Ethanol: Soluble: ≥ 10 mg/ml 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

N-Lithocholyl-L-leucine is a bile acid conjugate composed of lithocholic acid and L-leucine. It has been used in the formation of hydrogels.¹

References:

[1]. Maity, M., and Maitra, U. Supramolecular gels from bile acid-amino acid conjugates and their applications. Eur. J. Org. Chem. 1713-1720 (2017).

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

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