

Chenodeoxycholic Acid-D4

Chemical Properties

CAS No. : 99102-69-9

Formula: C₂₄H₃₆D₄O₄

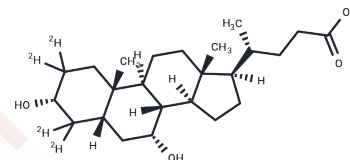
Molecular Weight: 396.6

Storage:

Keep away from moisture, Keep away from direct sunlight

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

| | |
|---------------|--|
| Description | Chenodeoxycholic Acid-D4 is a deuterium-labelled compound of Chenodeoxycholic Acid (TMSM-1459), which can be used for isotopic tracing. CDCA is a bile acid that acts as a detergent to dissolve fats for intestinal absorption. |
| Targets(IC50) | Endogenous Metabolite |

Solubility Information

| | |
|------------|--|
| Solubility | DMSO: 16 mg/mL (40.34 mM), Sonication is recommended. DMF: 20 mg/mL (50.43 mM), Sonication is recommended. Ethanol: 16 mg/mL (40.34 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.5214 mL | 12.6072 mL | 25.2143 mL |
| 5 mM | 0.5043 mL | 2.5214 mL | 5.0429 mL |
| 10 mM | 0.2521 mL | 1.2607 mL | 2.5214 mL |
| 50 mM | 0.0504 mL | 0.2521 mL | 0.5043 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Vanover KE, et al. Pharmacological and behavioral profile of N-(4-fluorophenylmethyl)-N-(1-methylpiperidin-4-yl)-N'-(4-(2-methylpropyloxy)phenylmethyl) carbamide (2R,3R)-dihydroxybutanedioate (2:1) (ACP-103), a novel 5-hydroxytryptamine(2A) receptor inver

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481