

Cholic acid-Biotin

Chemical Properties

CAS No. :

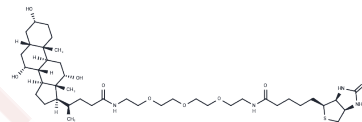
Formula: C42H72N4O9S

Molecular Weight: 809.12

Keep away from direct sunlight

Storage: Store at -20°C

Actual storage temperature shall be subject to the COA.



Biological Description

| | |
|---------------|--|
| Description | Cholic acid-Biotin is a biotinylated derivative of cholic acid, a primary bile acid synthesized in the liver and typically conjugated with glycine or taurine to facilitate fat absorption and cholesterol excretion. The incorporation of a biotin moiety enables affinity-based purification and detection strategies, making this conjugate useful in studies of bile acid transport, receptor interactions, and biomolecule tagging in biochemical assays. |
| Targets(IC50) | Others |

Solubility Information

| | |
|------------|--|
| Solubility | DMSO: 80 mg/mL (98.87 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
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Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.2359 mL | 6.1796 mL | 12.3591 mL |
| 5 mM | 0.2472 mL | 1.2359 mL | 2.4718 mL |
| 10 mM | 0.1236 mL | 0.618 mL | 1.2359 mL |
| 50 mM | 0.0247 mL | 0.1236 mL | 0.2472 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

Li Y, et al. Mechanism of hepatic targeting via oral administration of DSPE-PEG-Cholic acid-modified nanoliposomes. Int J Nanomedicine. 2017 Feb 28;12:1673-1684.

Pan X, et al. Cholic acid Feeding Leads to Increased CYP2D6 Expression in CYP2D6-Humanized Mice. Drug Metab Dispos. 2017 Apr;45(4):346-352.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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