

Lithocholic acid

Catalog No: tcsc2049



Available Sizes

Size: 1g

Size: 5g



Specifications

CAS No:

434-13-9

Formula:

$C_{24}H_{40}O_3$

Pathway:

Autophagy;Metabolic Enzyme/Protease

Target:

Autophagy;Endogenous Metabolite

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 150 mg/mL (398.33 mM)

Alternative Names:

3 α -Hydroxy-5 β -cholanolic acid

Observed Molecular Weight:

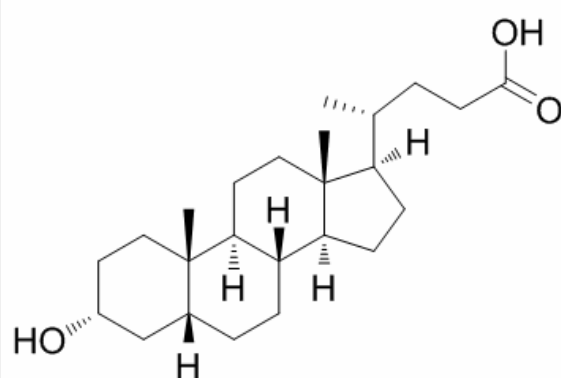
376.57

Product Description

Lithocholic acid is a toxic secondary bile acid, causes intrahepatic cholestasis, has tumor-promoting activity.

Target: Others

Lithocholic acid has been used in a study to assess cholestasis and its action on several organs and tissues in rats. It has also been used in a study to investigate the regulation of hepatic phospholipid and bile acid homeostasis through SMAD3 activation by TGF β . It has been implicated in human and experimental animal carcinogenesis. Preliminary in vitro research suggests that LCA selectively kills neuroblastoma cells, while sparing normal neuronal cells and is cytotoxic to numerous other malignant cell types at physiologically relevant concentrations.



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