Data Sheet (Cat.No.T19623)

TargetMol

α-Muricholic acid

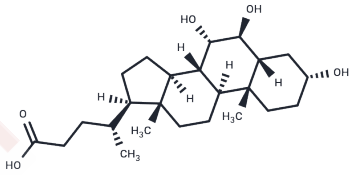
Chemical Properties

CAS No. : 2393-58-0

Formula: C24H40O5

Molecular Weight: 408.57

Storage: 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	α-Muricholic acid is the most abundant primary bile acid in rodents.
Targets(IC50)	Endogenous Metabolite,AChR
In vivo	In the intestines and in the feces of 7-month-old germ-free and conventional male mice, Sulfated and non-sulfated bile acids are determined. The major bile acids from germ-free mice are cholic acid, α-Muricholic acid and β-Muricholic acid. Compared with the high-fat diet control group, in high-fat diet (HFD)-soy protein isolate (SPI) mice, in the case of primary bile acids, alpha-murline acid was greatly reduced.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4476 mL	12.2378 mL	24.4756 mL
5 mM	0.4895 mL	2.4476 mL	4.8951 mL
10 mM	0.2448 mL	1.2238 mL	2.4476 mL
50 mM	0.049 mL	0.2448 mL	0.4895 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

Watanabe K, et al. Dietary soybean protein ameliorates high-fat diet-induced obesity by modifying the gut microbiota-dependent biotransformation of bile acids. PLoS One. 2018 Aug 13;13(8):e0202083.

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