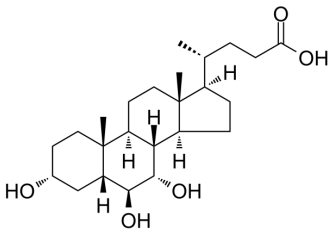
α-Muricholic acid

Cat. No.:	HY-115433
CAS No.:	2393-58-0
Molecular Formula:	$C_{24}H_{40}O_5$
Molecular Weight:	408.57
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Powder -20°C 3 years In solvent -80°C 6 months -20°C 1 month



BIOLOGICAL ACTIVITY

Description	α-Muricholic acid is the most abundant primary bile acid in rodents[1][2].
In Vivo	Sulfated and non-sulfated bile acids are determined in the intestines and in the feces of 7-month-old germ-free and conventional male mice. The major bile acids from germ-free mice are cholic acid, α-Muricholic acid and β-Muricholic acid[1]. In the context of primary bile acid, α-Muricholic acid is greatly reduced in high-fat diet (HFD)-soybean protein isolate (SPI) mice compared to the HFD controls[2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Eyssen HJ, et al. Sulfate bile acids in germ-free and conventional mice. Eur J Biochem. 1976 Jul 15;66(3):507-14.

[2]. 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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