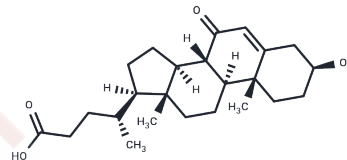


3 $\beta$ -OH-7-Oxocholeonic Acid

## Chemical Properties

CAS No. :	25218-38-6
Formula:	C <sub>24</sub> H <sub>36</sub> O <sub>4</sub>
Molecular Weight:	388.548
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	3 $\beta$ -OH-7-Oxocholeonic acid is a bile acid. <sup>1</sup> It is also a metabolite of 7 $\beta$ -hydroxy cholesterol in rats. Conjugated forms of 3 $\beta$ -OH-7-oxocholeonic acid have been found in the urine of patients with Neimann-Pick disease type C.2,3
Targets(IC50)	Others,Endogenous Metabolite

## Solubility Information

Solubility	Acetonitrile: 1 mg/mL (2.57 mM),Sonication is recommended. Methanol: 1 mg/mL (2.57 mM),Sonication is recommended. Ethanol: 1 mg/mL (2.57 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5737 mL	12.8684 mL	25.7367 mL
5 mM	0.5147 mL	2.5737 mL	5.1473 mL
10 mM	0.2574 mL	1.2868 mL	2.5737 mL
50 mM	0.0515 mL	0.2574 mL	0.5147 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

Norii, T., Yamaga, N., and Yamasaki, K. Metabolism of 7 $\beta$ -hydroxycholesterol-4-14C in rat. *Steroids* 15(3), 303-326 (1970).

Alvelius, G., Hjalmarson, O., Griffiths, W.J., et al. Identification of unusual 7-oxygenated bile acid sulfates in a patient with Niemann-Pick disease, type C. *J. Lipid Res.* 42(10), 1571-1577 (2001).

Maekawa, M., Omura, K., Sekiguchi, S., et al. Identification of two sulfated cholesterol metabolites found in the urine of a patient with Niemann-Pick disease type C as novel candidate diagnostic markers. *Mass Spectrom. (Tokyo)* 5(2), S0053 (2016).

**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