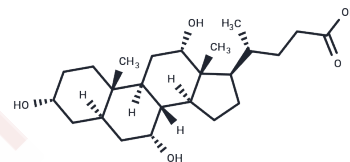


Allocholic acid

Chemical Properties

CAS No. :	2464-18-8
Formula:	C ₂₄ H ₄₀ O ₅
Molecular Weight:	408.57
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Allocholic acid is a major component in bile from the river carpsucker, <i>Carpionodes carpio</i> . Allocholic acid is a potent and specific stimulant of the adult olfactory system and function as migratory pheromones in lamprey.
Targets(IC50)	Others,Endogenous Metabolite

Solubility Information

Solubility	DMSO: 247 mg/mL (604.55 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 5 mg/mL (12.24 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

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

ThomasBriggs, et al. Allocholic acid, the major component in bile from the river carpsucker, *Carpoides carpio* (Rafinesque) (Catostomidae). *Comp Biochem Physiol B*. 1972 Jul 15;42(3):493-6.

Li W, et al. The olfactory system of migratory adult sea lamprey (*Petromyzon marinus*) is specifically and acutely sensitive to unique bile acids released by conspecific larvae. *J Gen Physiol*. 1995 May;105(5):569-87.

Mendoza ME, et al. Physiological characteristics of allo-cholic acid. *J Lipid Res*. 2003 Jan;44(1):84-92.

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