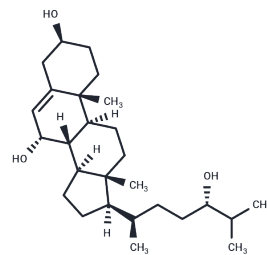


7 α ,24(S)-Dihydroxycholesterol

Chemical Properties

CAS No. :	245523-67-5
Formula:	C ₂₇ H ₄₆ O ₃
Molecular Weight:	418.65
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	7 α ,24(S)-Dihydroxycholesterol ((3 β ,7 α ,24S)-Cholest-5-ene-3,7,24-triol) acts as a ligand for liver X receptors (LXR), specifically binding to the ligand-binding domains of LXR α and LXR β . This compound is synthesized through the E- α , β -unsaturated ketone process, starting with arsendole and J-secondary-butyl dimethylsiloxy-bis-positive-5-cholestenal as the initial materials. It undergoes a series of transformations to produce 7 α ,24(S)-dihydroxycholesterol.
Targets(IC50)	Others,Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3886 mL	11.9432 mL	23.8863 mL
5 mM	0.4777 mL	2.3886 mL	4.7773 mL
10 mM	0.2389 mL	1.1943 mL	2.3886 mL
50 mM	0.0478 mL	0.2389 mL	0.4777 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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