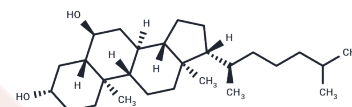


6 $\alpha$ -Hydroxy-5 $\alpha$ -cholestane

## Chemical Properties

CAS No. :	41083-73-2
Formula:	C <sub>27</sub> H <sub>48</sub> O <sub>2</sub>
Molecular Weight:	404.67
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



## Biological Description

Description	6 $\alpha$ -Hydroxy-5 $\alpha$ -cholestane (6 $\alpha$ -OHC) is an oxysterol that promotes superoxide anion production in SK-N-BE cells.
Targets(IC50)	Others,ROS

## Solubility Information

Solubility	DMF: 1 mg/mL (2.47 mM),Sonication is recommended. DMSO: < 1 mg/mL(insoluble or slightly soluble) Ethanol: 10 mg/mL (24.71 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4711 mL	12.3557 mL	24.7115 mL
5 mM	0.4942 mL	2.4711 mL	4.9423 mL
10 mM	0.2471 mL	1.2356 mL	2.4711 mL
50 mM	0.0494 mL	0.2471 mL	0.4942 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

Zarrouk A, et al. Effects of cholesterol oxides on cell death induction and calcium increase in human neuronal cells (SK-N-BE) and evaluation of the protective effects of docosahexaenoic acid (DHA; C<sub>22</sub>:6 n-3). Steroids. 2015 Jul;99 (Pt B):238-47.

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