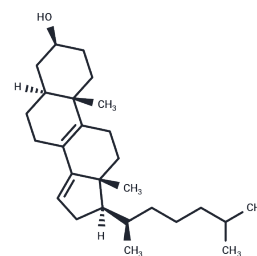


## 14-dehydro Zymostenol

## Chemical Properties

CAS No. :	19431-20-0
Formula:	C <sub>27</sub> H <sub>44</sub> O
Molecular Weight:	384.64
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	14-dehydro Zymostenol is a precursor to cholesterol .It increases the percentage of myelin basic protein-positive (MBP+) oligodendrocytes formed from oligodendrocyte precursor cells when used at concentrations of 5.8 and 17 $\mu$ M.2
Targets(IC50)	Others,Endogenous Metabolite

## Solubility Information

Solubility	Ethanol: 2 mg/mL (5.2 mM),Sonication is recommended. DMF: 3 mg/mL (7.8 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	2.5998 mL	12.9992 mL	25.9983 mL
5 mM	0.520 mL	2.5998 mL	5.1997 mL
10 mM	0.260 mL	1.2999 mL	2.5998 mL
50 mM	0.052 mL	0.260 mL	0.520 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

Lutsky, B.N., and Schroepfer, G.J., Jr.Studies on the enzymic conversion of 5 $\alpha$ -cholesta-8,14-dien-3 $\beta$ -ol to cholesterol.J. Biol. Chem.245(23)6449-6455(1970)

Hubler, Z., Allimuthu, D., Bederman, I., et al.Accumulation of 8,9-unsaturated sterols drives oligodendrocyte formation and remyelinationNature560(7718)372-376(2018)

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