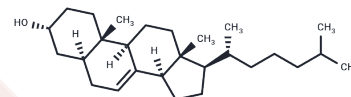


## Lathosterol

## Chemical Properties

CAS No. :	80-99-9
Formula:	C <sub>27</sub> H <sub>46</sub> O
Molecular Weight:	386.65
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	Lathosterol, a molecule akin to cholesterol, serves as a biomarker for the body's total cholesterol synthesis, as indicated by its serum concentration.
Targets(IC50)	Endogenous Metabolite, Dehydrogenase

## Solubility Information

Solubility	DMSO: 2 mg/mL (5.17 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	2.5863 mL	12.9316 mL	25.8632 mL
5 mM	0.5173 mL	2.5863 mL	5.1726 mL
10 mM	0.2586 mL	1.2932 mL	2.5863 mL
50 mM	0.0517 mL	0.2586 mL	0.5173 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

Kempen HJ, et al. Serum Lathosterol concentration is an indicator of whole-body cholesterol synthesis in humans. J Lipid Res. 1988 Sep;29(9):1149-55.

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