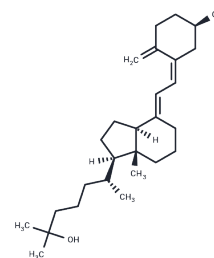


## 3-epi-25-hydroxy Vitamin D3

## Chemical Properties

CAS No. :	73809-05-9
Formula:	C <sub>27</sub> H <sub>44</sub> O <sub>2</sub>
Molecular Weight:	400.64
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	3-epi-25-hydroxy Vitamin D3 is the C-3 epimer of 25-hydroxy vitamin D3. Dietary administration of 3-epi-25-hydroxy vitamin D3 (0.5 and 1 IU/g) decreases levels of serum parathyroid hormone (PTH) in male, but not female, weanling rats.
Targets(IC50)	Others,Thyroid hormone receptor(THR)

## Solubility Information

Solubility	Chloroform: Slightly soluble Ethyl Acetate: Slightly soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.496 mL	12.480 mL	24.9601 mL
5 mM	0.4992 mL	2.496 mL	4.992 mL
10 mM	0.2496 mL	1.248 mL	2.496 mL
50 mM	0.0499 mL	0.2496 mL	0.4992 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

Djekic-Ivankovic, M., Lavery, P., Agellon, S., et al. The C-3 $\alpha$  epimer of 25-hydroxycholecalciferol from endogenous and exogenous sources supports normal growth and bone mineral density in weanling rats. *J. Nutr.* 147(2)141-151 (2017)

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