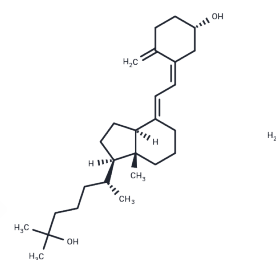


Calcifediol monohydrate

Chemical Properties

CAS No. :	63283-36-3
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	Calcifediol monohydrate (25-hydroxy Vitamin D ₃ monohydrate), the primary circulating metabolite of Vitamin D ₃ , serves as a potent VDR inhibitor.
Targets(IC50)	Endogenous Metabolite, Vitamin

Solubility Information

Solubility	H ₂ O: insoluble DMSO: 60 mg/mL (143.32 mM), Sonication is recommended. Ethanol: 120 mg/mL (286.64 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	2.3886 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.

Reference

Castoldi A, et al. Calcifediol-loaded liposomes for local treatment of pulmonary bacterial infections. Eur J Pharm Biopharm. 2016 Nov 22.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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