

Calcifediol-d9

Chemical Properties

CAS No. :	1539301-45-5
Formula:	C27H44O2
Molecular Weight:	409.7
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-d9 (25-hydroxy Vitamin D3-d9) is a deuterated form of Calcifediol. Calcifediol (25-hydroxy Vitamin D3) serves as an effective ligand for the vitamin D receptor (VDR) and is a vitamin D supplement. It is a prohormone in the vitamin D endocrine system (VDES) that, upon hepatic hydroxylation, is converted to its active form, Calcitriol. Calcifediol can rapidly increase serum vitamin D levels.
Targets(IC50)	Endogenous Metabolite, Drug Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4408 mL	12.2041 mL	24.4081 mL
5 mM	0.4882 mL	2.4408 mL	4.8816 mL
10 mM	0.2441 mL	1.2204 mL	2.4408 mL
50 mM	0.0488 mL	0.2441 mL	0.4882 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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