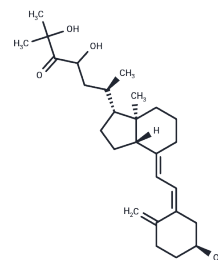


## 23,25-Dihydroxy-24-oxovitamin D3

## Chemical Properties

CAS No. :	84164-55-6
Formula:	C <sub>27</sub> H <sub>42</sub> O <sub>4</sub>
Molecular Weight:	430.629
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	23,25-Dihydroxy-24-oxovitamin D3, a prominent metabolite of 24(R),25-Dihydroxyvitamin D3, holds significant potential for studying metabolic disorders[1].
Targets(IC50)	Others,Endogenous Metabolite
In vitro	23,25-Dihydroxy-24-oxovitamin D3 is a primary metabolite of 24(R),25-Dihydroxyvitamin D3 [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3222 mL	11.6109 mL	23.2218 mL
5 mM	0.4644 mL	2.3222 mL	4.6444 mL
10 mM	0.2322 mL	1.1611 mL	2.3222 mL
50 mM	0.0464 mL	0.2322 mL	0.4644 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

Yamada, S., et al. Synthesis and determination of the stereochemistry of 23,25-dihydroxy-24-oxovitamin D3, a major metabolite of 24(R),25-dihydroxyvitamin D3. *Biochemistry*. 1989; 28(11), 4551-4556.

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