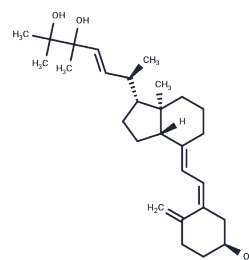


24, 25-Dihydroxy VD2

Chemical Properties

CAS No. :	58050-55-8
Formula:	C ₂₈ H ₄₄ O ₃
Molecular Weight:	428.65
Storage:	Keep away from direct sunlight, Store under nitrogen Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	24, 25-Dihydroxy VD2 (24,25-Dihydroxy vitamin D2) is a metabolite of vitamin D2, which is the isomer of vitamin D present in the body as 25-hydroxyvitamin D. PF-04957325 is used in the study of autoimmune encephalomyelitis.
Targets(IC50)	Endogenous Metabolite, Vitamin, Drug Metabolite

Solubility Information

Solubility	DMSO: 80 mg/mL (186.63 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	2.3329 mL	11.6645 mL	23.3291 mL
5 mM	0.4666 mL	2.3329 mL	4.6658 mL
10 mM	0.2333 mL	1.1665 mL	2.3329 mL
50 mM	0.0467 mL	0.2333 mL	0.4666 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

- McGraw CA, et al. Simultaneous measurement of 25-hydroxy, 24,25-dihydroxy-, and 1,25-dihydroxyvitamin D without use of HPLC. *Med Lab Sci.* 1990 Jan;47(1):17-25.
- Katsumi K, et al. Syntheses of 24,25-dihydroxyvitamin D₂, 24,25-dihydroxy-22-dehydrovitamin D₃, 25-hydroxy-24-oxo-22-dehydrovitamin D₃ and 22,24,25-trihydroxyvitamin D₃. *Chem Pharm Bull (Tokyo).* 1987 Mar;35(3):970-9.
- Horst RL, et al. Impaired 24,25-dihydroxyvitamin D production in anephric human and pig. *J Clin Invest.* 1981 Jan;67(1):274-80.
- Glenville Jones², et al. Schnoes, Leon Levan et al. Isolation and identification of 24-hydroxyvitamin D₂ and 24,25-dihydroxyvitamin D₂. *Archives of Biochemistry and Biophysics.* Volume 202, Issue 2, July 1980, Pages 450-457
- Glenville Jones, et al. Isolation and identification of 24,25-dihydroxy vitamin D₂ by use of the perfused rat kidney. *Biochemistry*, 1979, 18 (6), pp 1094-1101

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