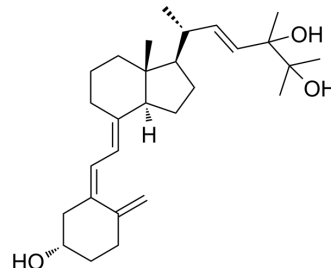


24, 25-Dihydroxy VD2

Cat. No.:	HY-76801
CAS No.:	58050-55-8
Molecular Formula:	C ₂₈ H ₄₄ O ₃
Molecular Weight:	428.65
Target:	VD/VDR; Drug Metabolite
Pathway:	Vitamin D Related; Metabolic Enzyme/Protease
Storage:	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (233.29 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	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

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

24, 25-Dihydroxy VD2 is a hydroxylated metabolite of Vitamin D2; a synthetic analog of Vitamin D.

CUSTOMER VALIDATION

- J Lipid Res. 2019 May;60(5):1058-1064.

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. McGraw CA, Hug G. 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.
- [2]. Katsumi K, Okano T, Ono Y, Maegaki E, Nishimura K, Baba M, Kobayashi T, Miyata O, Naito T, Ninomiya I. 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.

[3]. Horst RL, Littledike ET, Gray RW, Napoli JL. Impaired 24,25-dihydroxyvitamin D production in anephric human and pig. J Clin Invest. 1981 Jan;67(1):274-80.

[4]. Glenville Jones², Heinrich K. 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

[5]. Glenville Jones, Alan Rosenthal, David Segev 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

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA