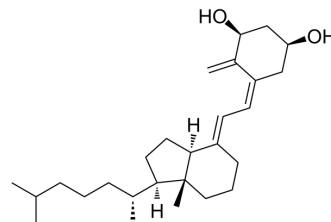


1 α -Hydroxy-3-epi-vitamin D3

Cat. No.:	HY-10003A
CAS No.:	58028-00-5
Molecular Formula:	C ₂₇ H ₄₄ O ₂
Molecular Weight:	400.64
Target:	Thyroid Hormone Receptor
Pathway:	Vitamin D Related/Nuclear Receptor
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (124.80 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.4960 mL	12.4800 mL	24.9601 mL
	5 mM	0.4992 mL	2.4960 mL	4.9920 mL
	10 mM	0.2496 mL	1.2480 mL	2.4960 mL

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

BIOLOGICAL ACTIVITY

Description

1 α -Hydroxy-3-epi-vitamin D3, a natural metabolite of 1 α ,25-dihydroxyvitamin D3, is a potent suppressor of parathyroid hormone (PTH) secretion^[1].

In Vitro

1 α , 25(OH)2D3 is an important negative regulator of parathyroid hormone (PTH) gene transcription^[1]. In ROS 17/2.8 cells, 1 α -OHD3 (10 μ M) not only metabolized into 1 α OH-3-epi-D3 and 1 α ,25(OH)2D3 but also 1 α ,25(OH)2-3-epi-D3^[2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. A J Brown, et al. 1 α ,25-dihydroxy-3-epi-vitamin D3, a natural metabolite of 1 α ,25-dihydroxyvitamin D3, is a potent suppressor of parathyroid hormone secretion. J Cell Biochem. 1999 Apr 1;73(1):106-13.

[2]. Alex J Brown, et al. Isolation and identification of 1 α -hydroxy-3-epi-vitamin D3, a potent suppressor of parathyroid hormone secretion. J Cell Biochem

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

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