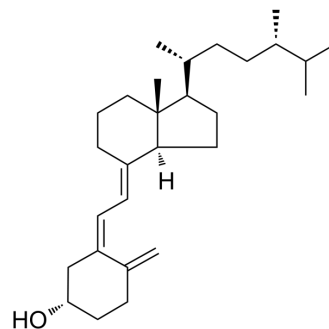


## Vitamin D4

<b>Cat. No.:</b>	HY-75958
<b>CAS No.:</b>	511-28-4
<b>Molecular Formula:</b>	C <sub>28</sub> H <sub>46</sub> O
<b>Molecular Weight:</b>	398.66
<b>Target:</b>	VD/VDR
<b>Pathway:</b>	Vitamin D Related
<b>Storage:</b>	-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 : 25 mg/mL (62.71 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.5084 mL	12.5420 mL	25.0840 mL
	5 mM	0.5017 mL	2.5084 mL	5.0168 mL
	10 mM	0.2508 mL	1.2542 mL	2.5084 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Vitamin D4 (22-Dihydroergocalciferol) is a Vitamin D derived from fungi. The precursor of Vitamin D4 is 22,23-dihydroergosterol<sup>[1]</sup>.

### CUSTOMER VALIDATION

- Democritus University of Thrace. FACULTY OF HEALTH SCIENCES MEDICAL SCHOOL. 2021 Jul.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

### REFERENCES

- [1]. Katherine M Phillips, et al. Vitamin D4 in mushrooms. PLoS One. 2012;7(8):e40702.

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

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