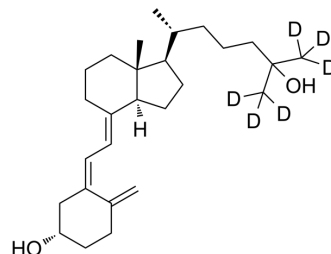


## Calcifediol-d<sub>6</sub>

<b>Cat. No.:</b>	HY-13332
<b>CAS No.:</b>	78782-98-6
<b>Molecular Formula:</b>	C <sub>27</sub> H <sub>38</sub> D <sub>6</sub> O <sub>2</sub>
<b>Molecular Weight:</b>	406.67
<b>Target:</b>	VD/VDR
<b>Pathway:</b>	Vitamin D Related/Nuclear Receptor
<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 : ≥ 100 mg/mL (245.90 mM)  
\* "≥" means soluble, but saturation unknown.

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.4590 mL	12.2950 mL	24.5900 mL
	5 mM	0.4918 mL	2.4590 mL	4.9180 mL
	10 mM	0.2459 mL	1.2295 mL	2.4590 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Calcifediol-d<sub>6</sub> is the deuterium labeled Calcifediol. Calcifediol, a major circulating metabolite of vitamin D<sub>3</sub>, is a potent VDR inhibitor[1][2].

### REFERENCES

- [1]. Trifu V, et al. Cortexolone 17α-propionate 1% cream, a new potent antiandrogen for topical treatment of acne vulgaris. A pilot randomized, double-blind comparative study vs. placebo and tretinoin 0.05% cream. Br J Dermatol. 2011 Jul;165(1):177-83.
- [2]. Celasco G, et al. Biological profile of cortexolone 17α-propionate (CB-03-01), a new topical and peripherally selective androgen antagonist. Arzneimittelforschung. 2004;54(12):881-6.
- [3]. Trifu V, et al. Cortexolone 17β-propionate 1% cream, a new potent antiandrogen for topical treatment of acne vulgaris. A pilot randomized, double-blind comparative study vs. placebo and tretinoin 0.05% cream. Br J Dermatol. 2011 Jul;165(1):177-83.

---

**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](mailto:tech@MedChemExpress.com)

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