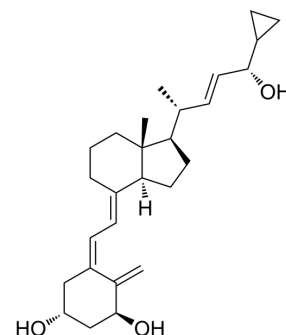


Calcipotriol (Standard)

Cat. No.:	HY-10001R
CAS No.:	112965-21-6
Molecular Formula:	C ₂₇ H ₄₀ O ₃
Molecular Weight:	412.6
Target:	VD/VDR
Pathway:	Vitamin D Related/Nuclear Receptor
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (242.37 mM; Need ultrasonic)
Ethanol : 50 mg/mL (121.18 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
	Concentration				
	1 mM		2.4237 mL	12.1183 mL	24.2365 mL
	5 mM		0.4847 mL	2.4237 mL	4.8473 mL
	10 mM		0.2424 mL	1.2118 mL	2.4237 mL

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

BIOLOGICAL ACTIVITY

Description

Calcipotriol (Standard) is the analytical standard of Calcipotriol. This product is intended for research and analytical applications. Calcipotriol is a synthetic VitD₃ analogue with a high affinity for the vitamin D receptor.

IC₅₀ & Target

Vitamin D receptor^[1]

REFERENCES

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- [2]. Al-Jaderi Z, et al. Effects of vitamin D3, calcipotriol and FTY720 on the expression of surface molecules and cytolytic activities of human natural killer cells and dendritic cells. *Toxins (Basel).* 2013 Oct 28;5(11):1932-47.
- [3]. Pommergaard HC, et al. Combination chemoprevention with diclofenac, calcipotriol and difluoromethylornithine inhibits development of non-melanoma skin cancer in mice. *Anticancer Res.* 2013 Aug;33(8):3033-9.

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

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