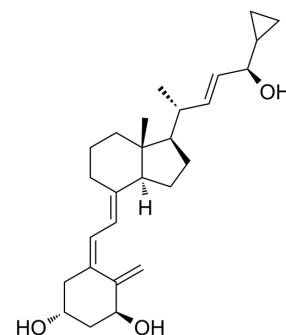


24R-Calciptriol

Cat. No.:	HY-15266
CAS No.:	112827-99-3
Molecular Formula:	C ₂₇ H ₄₀ O ₃
Molecular Weight:	412.6
Target:	VD/VDR
Pathway:	Vitamin D Related/Nuclear Receptor
Storage:	-20°C, protect from light, stored under nitrogen * The compound is unstable in solutions, freshly prepared is recommended.



SOLVENT & SOLUBILITY

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (6.06 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (6.06 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (6.06 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

24R-Calciptriol(PRI 2202) is an impurity of Calcipotriol; Calcipotriol (MC 903; Calcipotriene) is a ligand of VDR-like receptors. IC50 value: Target: Vitamin D3 analog that displays minimal effects on calcium homeostasis. Regulates cell differentiation and proliferation; Calcipotriol (MC 903; Calcipotriene) exhibits antiproliferative activity against human HL-60, HL60/MX2, MCF-7, T47D, SCC-25 and mouse WEHI-3 cancer cell lines.

REFERENCES

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- [3]. Wietrzyk, Joanna; Nevozhay, Dmitry; Filip, Beata et al. The antitumor effect of lowered doses of cytostatics combined with new analogs of vitamin D in mice. *Anticancer Research* (2007), 27(5A), 3387-3398.
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Caution: Product has not been fully validated for medical applications. For research use only.

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