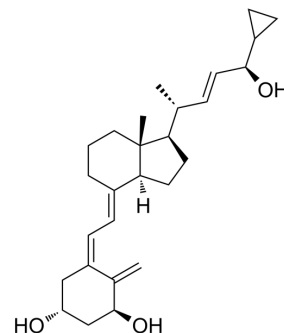


## 24R-Calciptotriol

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



### SOLVENT & SOLUBILITY

<b>In Vivo</b>	<ol style="list-style-type: none"> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline Solubility: ≥ 2.5 mg/mL (6.06 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (6.06 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 2.5 mg/mL (6.06 mM); Clear solution</li> </ol>
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### BIOLOGICAL ACTIVITY

<b>Description</b>	<p>24R-Calciptotriol(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.</p>
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### REFERENCES

- [1]. Gocek, Elzbieta; Kielbinski, Marek; Bauska, Hanna et al. Different susceptibilities to 1,25-dihydroxyvitamin D3-induced differentiation of AML cells carrying various mutations. *Leukemia Research* (2010), 34(5), 649-657.
- [2]. Gocek, Elzbieta; Kielbinski, Marek; Wylob, Paulina et al. Side-chain modified vitamin D analogs induce rapid accumulation of VDR in the cell nuclei proportionately to their differentiation-inducing potential. *Steroids* (2008), 73(14), 1359-1366.
- [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.
- [4]. Wietrzyk, Joanna; Chodynski, Michal; Fitak, Hanna et al. Antitumor properties of diastereomeric and geometric analogs of vitamin D3. *Anti-Cancer Drugs* (2007), 18(4), 447-457.

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

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