

# Paricalcitol

Catalog No: tcsc0705



## Available Sizes

**Size:** 1mg

**Size:** 5mg

**Size:** 10mg



## Specifications

**CAS No:**

131918-61-1

**Formula:**

$C_{27}H_{44}O_3$

**Pathway:**

Vitamin D Related

**Target:**

VD/VDR

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Observed Molecular Weight:**

416.64

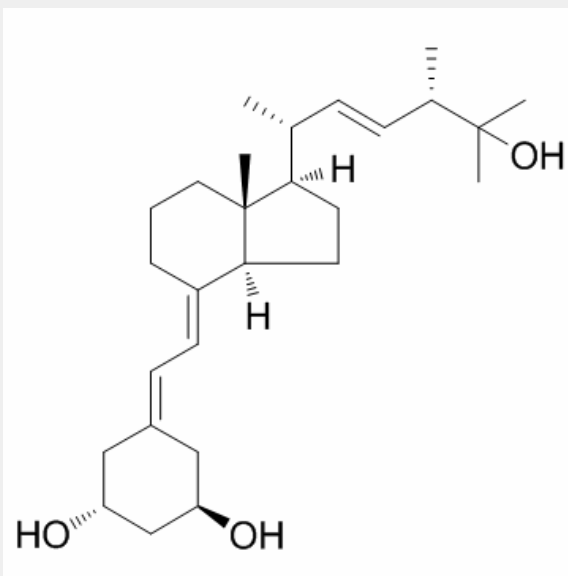
## Product Description

Paricalcitol is a **vitamin D receptor** agonist, used for the prevention and treatment of secondary hyperparathyroidism (excessive secretion of parathyroid hormone) associated with chronic renal failure.

***In Vitro:***

Paricalcitol ( $3 \times 10^{-8}$  M; HP + PC) produces a significant reduction in calcification relative to the observed in cells in HP medium. Paricalcitol causes a reduction in the levels of nuclear  $\beta$ -catenin to a level similar to that observed in control cells<sup>[1]</sup>.

***In Vivo:*** Paricalcitol (300 ng/kg/day) significantly decreases Tau, and prevents LV dysfunction in mice. Paricalcitol reduces mRNA expression of ANP, fibronectin and collagen III in the TAC-pari mice<sup>[2]</sup>.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!