

# Secalciferol

**Catalog No: tcsc0929**



## Available Sizes

**Size:** 1mg

**Size:** 5mg



## Specifications

**CAS No:**

55721-11-4

**Formula:**

$C_{27}H_{44}O_3$

**Pathway:**

Vitamin D Related

**Target:**

VD/VDR

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Alternative Names:**

(24R)-24,25-Dihydroxyvitamin D3

**Observed Molecular Weight:**

416.64

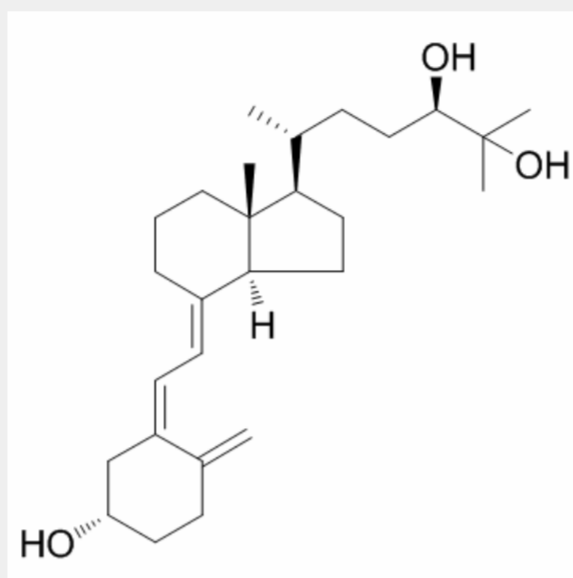
## Product Description

Secalciferol is a metabolite of Vitamin D, a possibly anti-inflammatory steroid which is involved in bone ossification.

IC50 value:

Target:

In addition, it is known that Secalciferol mediates calcium and phosphorus homeostasis. Also Secalciferol inhibits calcium channels in osteosarcoma cells via suppressing the effects of  $1\alpha, 25$ -dihydroxyvitamin D3 and testosterone. Alternate studies indicate that Secalciferol can decrease the abundance of p53 and Pi-induced cytochrome c translocation. Furthermore, Secalciferol can increase cell proliferation in resting zone (RC) chondrocytes and inhibits matrix enzymes by possibly inhibiting the degradation of the matrix.



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