

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

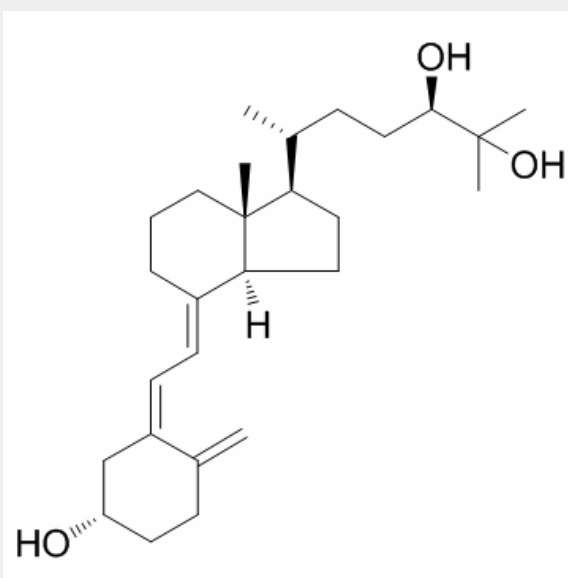
Product Description

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 1α , 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.



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