

25,26-Dihydroxyvitamin D3

Catalog No: tcsc2120



Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg



Specifications

CAS No:

29261-12-9

Formula:

$C_{27}H_{44}O_3$

Pathway:

Vitamin D Related;Metabolic Enzyme/Protease

Target:

VD/VDR;Endogenous Metabolite

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

25,26-Dihydroxycholecalciferol

Observed Molecular Weight:

416.64

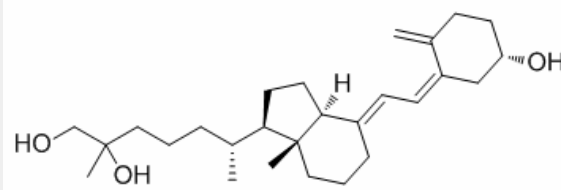
Product Description

25,26-Dihydroxyvitamin D3(25,26-dihydroxycholecalciferol) is a metabolite of vitamin D3 with intestinal calcium transport activity.

IC50 value:

Target: VD metabolite

The biological activity of synthetic 24,25 and 25,26 diOHD3 was studied in vitamin D-deficient rats. The purpose of this study was to investigate the influence of small doses of both metabolites (0.125-0.250 mug) upon intestinal calcium transport and bone calcium mobilization. Both metabolites were able to increase calcium absorption in rats maintained on a calcium-deficient diet, but failed to do it in rats on a normal calcium diet. Bilateral nephrectomy suppressed this effect. The \"bone calcium mobilization\" of both derivatives was measured in vitamin D and calcium- or phosphorus-deprived rats after one intravenous dose. When serum calcium was initially low, 24,25 and 25,26 diOHD3 increased serum calcium moderately, but the increment was only significant with 24,25 diOHD3.



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