

# Impurity B of Calcitriol

Catalog No: tcsc1176



## Available Sizes

**Size:** 1mg

**Size:** 5mg

**Size:** 10mg



## Specifications

**CAS No:**

66791-71-7

**Formula:**

$C_{27}H_{44}O_3$

**Pathway:**

Vitamin D Related

**Target:**

VD/VDR

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Alternative Names:**

1 $\beta$ ,25-Dihydroxyvitamin-D3;1-Epicalcitriol

**Observed Molecular Weight:**

416.64

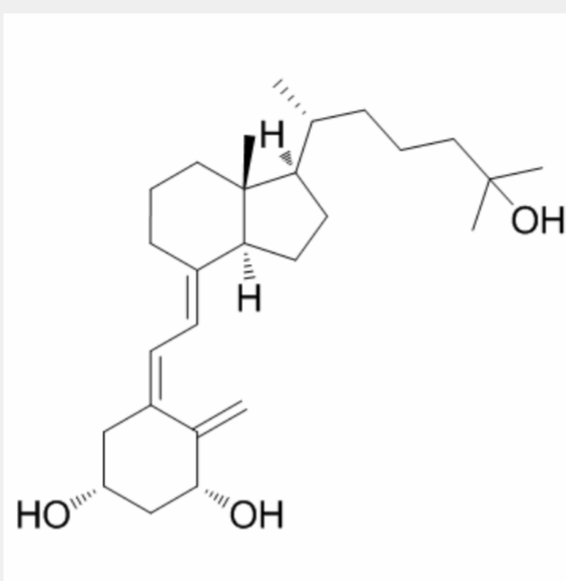
## Product Description

Impurity B of Calcitriol, Calcitriol(1,25-Dihydroxyvitamin D<sub>3</sub>; Rocaltrol ) is the hormonally active form of vitamin D, Calcitriol is the active metabolite of vitamin D<sub>3</sub> that activates the vitamin D receptor (VDR).

IC<sub>50</sub> value:

Target: vitamin D receptor

Calcitriol(1,25-Dihydroxyvitamin D<sub>3</sub>; Rocaltrol ) displays calcemic actions. Calcitriol stimulates intestinal and renal Ca<sup>2+</sup> absorption and regulates bone Ca<sup>2+</sup> turnover. Calcitriol (1,25-Dihydroxyvitamin D<sub>3</sub>; Rocaltrol )exhibits antitumor activity; Calcitriol(1,25-Dihydroxyvitamin D<sub>3</sub>; Rocaltrol ) inhibits in vivo and in vitro cell proliferation in a wide range of cells including breast, prostate, colon, skin and brain carcinomas and myeloid leukemia cells.



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