

Calcitriol D6

Catalog No: tcsc0809



Available Sizes

Size: 1mg



Specifications

CAS No:

78782-99-7

Formula:

$C_{27}H_{38}D_6O_3$

Pathway:

Vitamin D Related

Target:

VD/VDR

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

422.67

Product Description

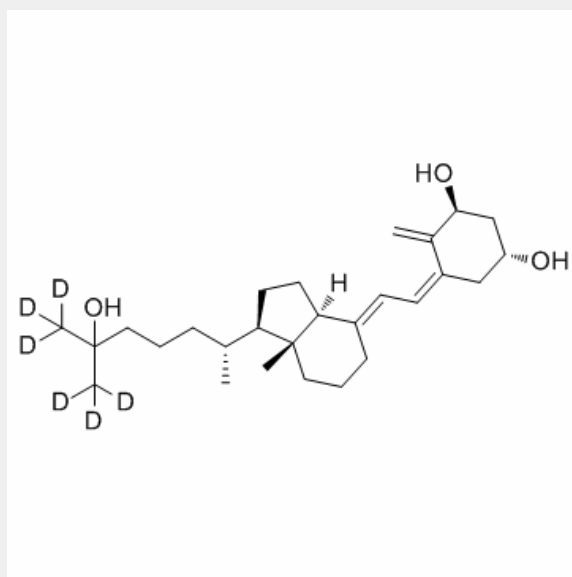
Calcitriol D6 is the deuterated form of Calcitriol(1,25-Dihydroxyvitamin D3; Rocaltrol), which is the hormonally active form of vitamin D, Calcitriol is the active metabolite of vitamin D3 that activates the vitamin D receptor (VDR).

IC50 value:

Target: vitamin D receptor

Calcitriol(1,25-Dihydroxyvitamin D3; Rocaltrol) displays calcemic actions. Calcitriol stimulates intestinal and renal Ca²⁺ absorption and regulates bone Ca²⁺ turnover. Calcitriol (1,25-Dihydroxyvitamin D3; Rocaltrol)exhibits antitumor activity; Calcitriol(1,25-

Dihydroxyvitamin D₃; 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!