

Calcitriol

Catalog No: tcsc0808



Available Sizes

Size: 1mg

Size: 5mg



Specifications

CAS No:

72203-93-1

Formula:

$C_{27}H_{44}O_4$

Pathway:

Vitamin D Related

Target:

VD/VDR

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

1 α , 24, 25-Trihydroxy VD3

Observed Molecular Weight:

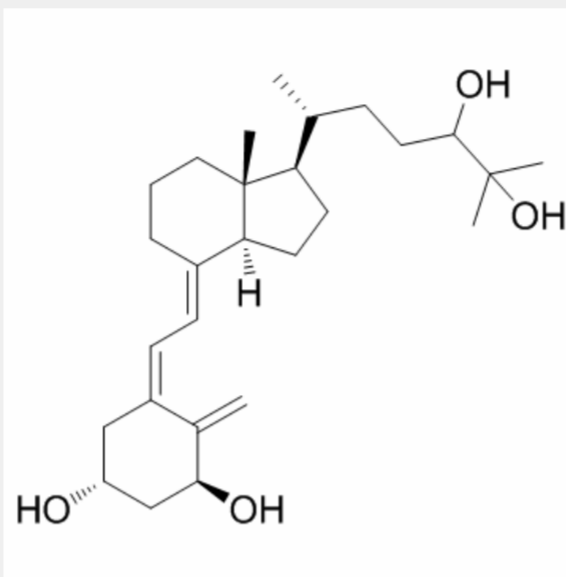
432.64

Product Description

Calcitriol(1 α , 24, 25-Trihydroxy VD3) is the hormonally active form of vitamin D with three hydroxyl groups.

IC50 value:

Target: Calcitriol increases blood calcium levels ($[Ca^{2+}]$) by promoting absorption of dietary calcium from the gastrointestinal tract and increasing renal tubular reabsorption of calcium, thus reducing the loss of calcium in the urine. Calcitriol also stimulates release of calcium from bone by its action on the specific type of bone cells referred to as osteoblasts, causing them to release RANKL, which in turn activates osteoclasts.



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