

# Ercalcidiol

Catalog No: tcsc0393



## Available Sizes

**Size:** 1mg

**Size:** 5mg

**Size:** 10mg

**Size:** 25mg



## Specifications

**CAS No:**

21343-40-8

**Formula:**

$C_{28}H_{44}O_2$

**Pathway:**

Vitamin D Related;Metabolic Enzyme/Protease

**Target:**

VD/VDR;Endogenous Metabolite

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Alternative Names:**

25-hydroxy Vitamin D2

**Observed Molecular Weight:**

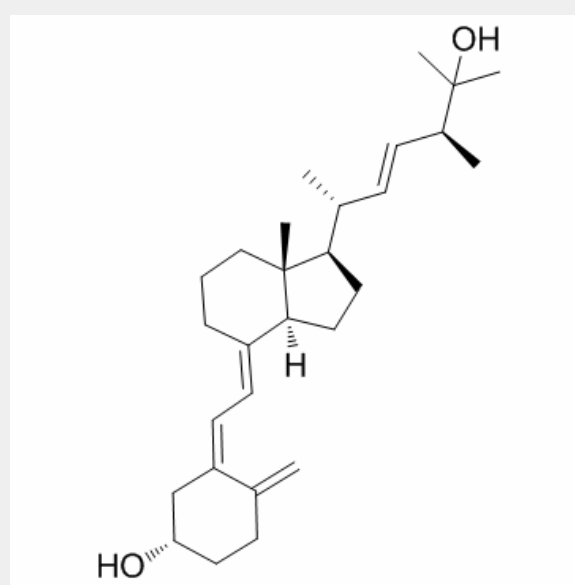
412.65

## Product Description

Ercalcidiol is a metabolite of **vitamin D<sub>2</sub>**, is regarded as an indicator of vitamin D nutritional status.

IC50 & Target: Vitamin D<sub>2</sub><sup>[1]</sup>

***In Vitro:*** Differentiation between Ercalcidiol (25(OH)D<sub>2</sub>) and 25(OH)D<sub>3</sub> is important for monitoring vitamin D therapy, as vitamin D<sub>2</sub> is the predominant prescription form. The half-life of Ercalcidiol is shorter than that of 25(OH)D<sub>3</sub> and it binds less well to the vitamin D binding protein, making it less potent and, therefore, required to be administered at much higher doses than vitamin D<sub>3</sub>. Some currently used assays have a diminished capacity to detect Ercalcidiol, which can lead to dangerous overdosing when attempting to monitor therapy with vitamin D<sub>2</sub><sup>[2]</sup>.



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