

Ercalciol

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:

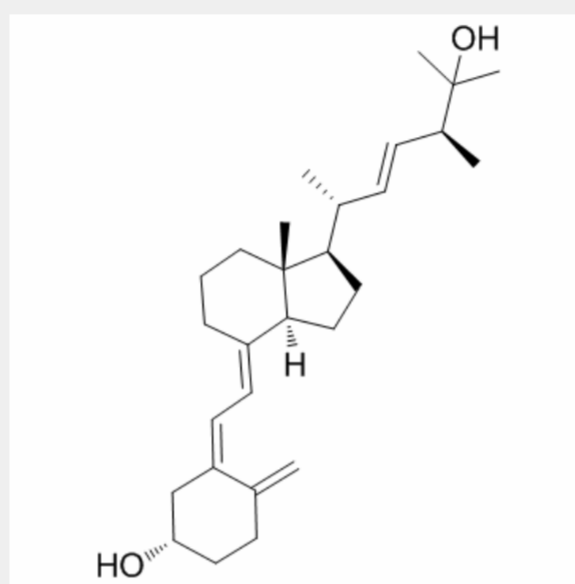
412.65

Product Description

Ergocalcidiol is a metabolite of **vitamin D₂**, is regarded as an indicator of vitamin D nutritional status.

IC50 & Target: Vitamin D₂^[1]

In Vitro: Differentiation between Ergocalcidiol (25(OH)D₂) and 25(OH)D₃ is important for monitoring vitamin D therapy, as vitamin D₂ is the predominant prescription form. The half-life of Ergocalcidiol is shorter than that of 25(OH)D₃ 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 D₃. Some currently used assays have a diminished capacity to detect Ergocalcidiol, which can lead to dangerous overdosing when attempting to monitor therapy with vitamin D₂^[2].



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