

Calcifediol-D6

Catalog No: tcsc0819



Available Sizes

Size: 1mg

Size: 5mg



Specifications

CAS No:

78782-98-6

Formula:

$C_{27}H_{38}D_6O_2$

Pathway:

Vitamin D Related

Target:

VD/VDR

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

406.67

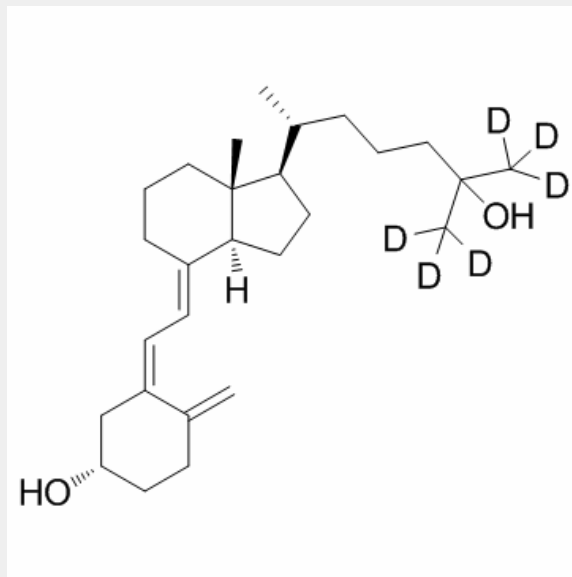
Product Description

Calcifediol-D6 is the deuterated form of Calcifediol(25-hydroxy Vitamin D3), which is a prehormone that is produced in the liver by hydroxylation of vitamin D3 (cholecalciferol) by the enzyme cholecalciferol 25-hydroxylase

IC50 value:

Target:

This metabolite is being measured by physicians worldwide to determine a patient's vitamin d status. Calcifediol is then converted in the kidneys (by the enzyme 25(OH)D-1 α -hydroxylase) into calcitriol (1,25-(OH)₂D₃), a secosteroid hormone that is the active form of vitamin D. It can also be converted into 24-hydroxycalcidiol in the kidneys via 24-hydroxylation.



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