



Calcifediol-D6

Catalog No: tcsc0819

Available Sizes		
Size: 1mg		
Size: 5mg		
Specifications		
CAS No: 78782-98-6		
Formula: C ₂₇ H ₃₈ D ₆ O 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 $25(OH)D-1\alpha$ -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!