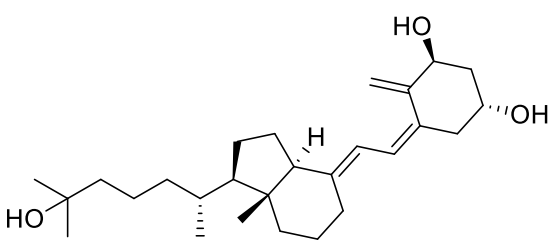




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
527861	Calcitriol	C20R08B17

Chemical name	
(1R,3S,Z)-5-(2-((1R,3aS,7aR,E)-1-((R)-6-hydroxy-6-methylheptan-2-yl)-7a-methyloctahydro-4H-inden-4-ylidene)ethylidene)-4-methylenecyclohexane-1,3-diol	
Synonyms	
Calcitriol; Rocaltrol; Calcijex; Topitriol; Silkis; Soltriol; 1 α ,25-Dihydroxyvitamin D3; 1,25-dihydroxycholecalciferol; 1 α ,25-(OH)2D3; 1,25(OH)2D	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 527861 Name: Calcitriol CAS#: 32222-06-3 Lot#: C20R08B17 Chemical Formula: C ₂₇ H ₄₄ O ₃ Exact Mass: 416.329 Molecular Weight: 416.65

Analysis item	Specifications / Results
Appearance	White to off-white solid powder
Structure	¹ H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature.
Purity (HPLC)	>98.0%
Solubility	Soluble in DMSO
Conclusion	This product conforms with MedKoo's quality standards
Shipping condition	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs.
Storage condition	Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition
Shelf life	At least 5 years if properly stored.

CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE