



Product Information

Product ID C2956

CAS No. 67-97-0

Chemical Name (3b,5Z,7E)-9,10-Secocholesta-5,7,10(19)-trien-3-ol

Synonym oleovitamin D3, Vitamin D3

Formula C₂₇H₄₄O

Formula Wt. 384.64

Melting Point 82-87°C

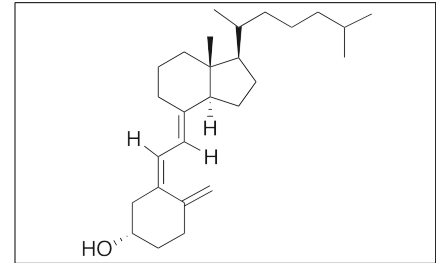
Purity ≥98%

Solubility Insoluble in water. Soluble
in most organic solvents.

Store Temp 4°C

Ship Temp Ambient

Description Cholecalciferol (vitamin D3) is an endogenous prodrug of calcifediol; cholecalciferol is synthesized in the skin under UV-B exposure. Cholecalciferol supplements are occasionally used to prevent bone loss. D vitamins commonly exhibit anti-osteoporotic, immunomodulatory, anti-inflammatory, and chemopreventive activities.



Bulk quantities available upon request

Product ID	Size
C2956	1 g
C2956	5 g
C2956	25 g

References Bendik I, Friedel A, Roos FF, et al. Vitamin D: a critical and essential micronutrient for human health. *Front Physiol.* 2014 Jul 11;5:248. PMID: 25071593.

Moukayed M, Grant WB. Molecular link between vitamin D and cancer prevention. *Nutrients.* 2013 Sep 30;5(10):3993-4021. PMID: 24084056.

Geddes JA, Inderjeeth CA. Evidence for the treatment of osteoporosis with vitamin D in residential care and in the community dwelling elderly. *Biomed Res Int.* 2013;2013:463589. PMID: 24058907.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.