

Product Data Sheet

Product Name: Calcifediol-d3

Cat. No.: GC63877

Chemical Properties

Cas. No. 140710-94-7

Formula C₂₇H₄₁D₃O₂

M.Wt 403.66

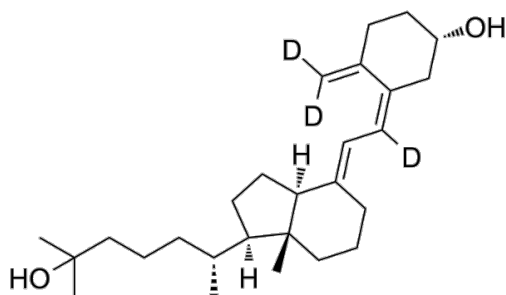
Solubility DMSO : 100 mg/mL (247.73 mM; Need ultrasonic); DMSO : 100 mg/mL (247.73 mM; Need ultrasonic)

Storage 4°C, protect from light, stored under nitrogen

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

Calcifediol-d3 is a deuterium labeled Calcifediol. Calcifediol, a major circulating metabolite of vitamin D₃, is a potent VDR inhibitor[1][2].

[1]. Castoldi A, et al. Calcifediol-loaded liposomes for local treatment of pulmonary bacterial

Caution: Product has not been fully validated for medical applications. For research use only.

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infections. Eur J Pharm Biopharm. 2016 Nov 22.

[2]. Wei Zheng, et al. Vitamin D-induced vitamin D receptor expression induces tamoxifen sensitivity in MCF-7 stem cells via suppression of Wnt/ β -catenin signaling. Biosci Rep. 2018 Dec 7;38(6):BSR20180595.

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