

Product Data Sheet

Product Name: 1 α -Hydroxy-3-epi-vitamin D3

Cat. No.: GC62761

Chemical Properties

Cas. No. 58028-00-5

Formula C₂₇H₄₄O₂

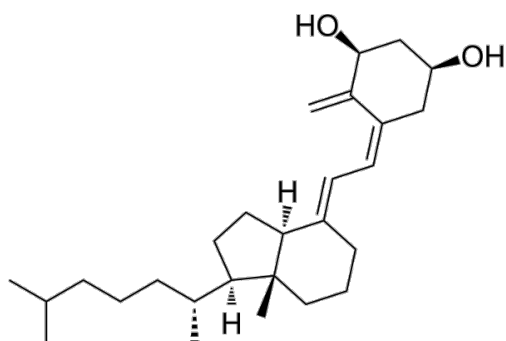
M.Wt 400.64

Solubility Storage 4°C, away from moisture and light

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

1 α -Hydroxy-3-epi-vitamin D3, a natural metabolite of 1 α ,25-dihydroxyvitamin D3, is a potent suppressor of parathyroid hormone (PTH) secretion[1].

1 α , 25(OH)2D3 is an important negative regulator of parathyroid hormone (PTH) gene transcription[1]. In ROS 17/2.8 cells, 1 α -OHD3 (10 μ M) not only metabolized into 1 α OH-3-epi-D3 and 1 α ,25(OH)2D3 but also 1 α ,25(OH)2-3-epi-D3[2].

[1]. A J Brown, et al. 1 α ,25-dihydroxy-3-epi-vitamin D3, a natural metabolite of 1 α ,25-dihydroxyvitamin D3, is a potent suppressor of parathyroid hormone secretion. J Cell Biochem. 1999

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

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Apr 1;73(1):106-13.

[2]. Alex J Brown, et al. Isolation and identification of 1alpha-hydroxy-3-epi-vitamin D3, a potent suppressor of parathyroid hormone secretion. J Cell Biochem

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