

Product Data Sheet

Product Name: 25-Hydroxytachysterol3

Cat. No.: GC74164

Chemical Properties

Cas. No. 39932-44-0

Formula $C_{27}H_{44}O_2$

M.Wt 400.64

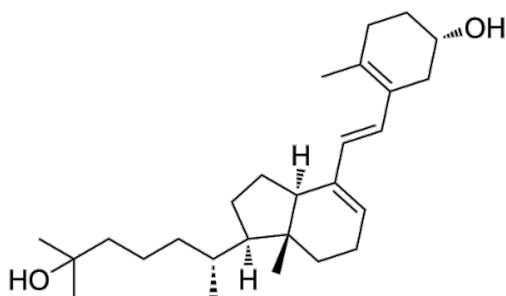
Solubility

Storage -20°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

25-droxytacsterol3 is the metabolite of Vitamin D3 . 25-droxytacsterol3 inhibits the proliferation of

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

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epidermal keratinocytes and dermal fibroblasts, stimulates the expression of differentiation- and antioxidant-related genes in keratinocytes. 25-droxytacsterol3 activates vitamin D receptor (VDR) and aryl drocarbon receptor (AhR), liver X receptor α/β (LXR α/β) and peroxisome proliferator-activated receptor γ (PPAR γ), stimulates the expression of CYP24A1.

References:

[1]. Slominski AT, et al., Metabolic activation of tacsterol3 to biologically active droxyderivatives that act on VDR, AhR, LXRs, and PPAR γ receptors. FASEB J. 2022 Aug;36(8):e22451.

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