
Product Data Sheet

Product Name: 1alpha-Hydroxy VD4

Cat. No.: GC35063

Chemical Properties

Cas. No. 143032-85-3

SMILES C=C1[C@@H](O)C[C@H](O)C/C1=C/C=C2[C@@](CC[C@@H]3[C@H](C)CC[C@H](C)C(C)C)([H])[C@]3(C)CCC/2

Formula C₂₈H₄₆O₂ M.Wt 414.66

Solubility Soluble in DMSO 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

1alpha-Hydroxy VD4, a 1alpha(OH)D derivative, can effectively induce the differentiation of monoblastic leukaemia U937, P39/TSU and P31/FUJ cells. IC50 value□
Target: VD analog

[1]. M Makishima, et al. Growth inhibition and differentiation induction in human monoblastic leukaemia cells by 1alpha-hydroxyvitamin D derivatives and their enhancement by combination with hydroxyurea. British Journal of Cancer (1998) 77, 33-39

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

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