
Product Data Sheet

Product Name: CB1151
Cat. No.: GC39133

Chemical Properties

Cas. No. 182369-28-4

SMILES C[C@]1(CCC/2)[C@](CC[C@@H]1[C@@H](C)OCCC(CC)(CC)O)([H])C2=C\C=C(C[C@@H](O)C[C@@H]3O)/C3=C

Formula C₂₈H₄₆O₄ M.Wt 446.66

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

CB1151 is a 20-epi analogue of 1,25 dihydroxyvitamin D3 (VD) with potent anti-tumor effects. CB1151 inhibits MCF-7 cell growth with an IC50 value of 0.82 nM[1].

[1]. Mørk Hansen C, et al. The potent anti-proliferative effect of 20-epi analogues of 1,25 dihydroxyvitamin D3 in human breast-cancer MCF-7 cells is related to promoter selectivity. *Int J Cancer*. 1996 Sep 4;67(5):739-42. [2]. Nayeri S, et al. High-affinity nuclear receptor binding of 20-epi analogues of 1,25-dihydroxyvitamin D3 correlates well with gene activation. *J Cell Biochem*. 1996 Sep 1;62(3):325-33.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA