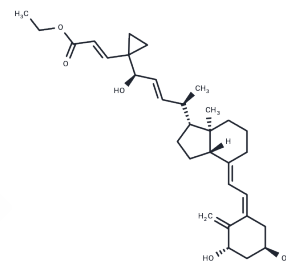


ZK168281

Chemical Properties

CAS No. : 186371-96-0
 Formula: C₃₂H₄₆O₅
 Molecular Weight: 510.70
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	ZK168281 is a 25-carboxylic ester 1 α ,25(OH)2D ₃ analog and a pure VDR antagonist (K _d of 0.1 nM), efficiently inhibiting the coactivator (CoA) interaction with its receptor.
Targets(IC ₅₀)	Others, Vitamin
In vitro	ZK168281 closely resembles the mouse constitutive androstane receptor (CAR) inverse agonist Androstanol in its ability to recruit corepressor (CoR) proteins.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9581 mL	9.7905 mL	19.581 mL
5 mM	0.3916 mL	1.9581 mL	3.9162 mL
10 mM	0.1958 mL	0.979 mL	1.9581 mL
50 mM	0.0392 mL	0.1958 mL	0.3916 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Lempiäinen H, et al. Antagonist- and inverse agonist-driven interactions of the vitamin D receptor and the constitutive androstane receptor with corepressor protein. Mol Endocrinol. 2005 Sep;19(9):2258-72.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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