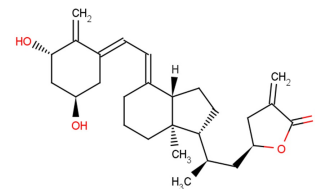


TEI-9647

Chemical Properties

CAS No.:	173388-20-0
Formula:	C ₂₇ H ₃₈ O ₄
Molecular Weight:	426.59
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	TEI-9647 is a 1 α ,25-dihydroxy vitamin D ₃ -26,23-lactone (1 α ,25-lactone) analog and is an effective VDR/vitamin D-responsive element (DRE)-mediated genomic actions antagonist.
Targets(IC ₅₀)	VDR: None
In vitro	TEI-9647 blocks both 1 α ,25(OH) ₂ D ₃ -mediated HL-60 cell differentiation, and also activation of the luciferase reporter in COS-7 cells. TEI-9647 (100 nM; 24 hours; HL-60 cells) treatment clearly suppresses p21WAF1, CIP1 gene expression induced by 1 α ,25(OH) ₂ D ₃ . That has been transfected with the cDNA containing the DRE of the rat 25(OH)D ₃ -24-hydroxylase gene and cDNA of the human vitamin D nuclear receptor [1].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.344 mL	11.721 mL	23.442 mL
5 mM	0.469 mL	2.344 mL	4.688 mL
10 mM	0.234 mL	1.172 mL	2.344 mL
50 mM	0.047 mL	0.234 mL	0.469 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Miura D, et al. Antagonistic action of novel 1 α ,25-dihydroxyvitamin D₃-26, 23-lactone analogs on differentiation of human leukemia cells (HL-60) induced by 1 α ,25-dihydroxyvitamin DJ Biol Chem. 1999 Jun 4;274(23):16392-9.

Inhibitors · Natural Compounds · Compound Libraries

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