

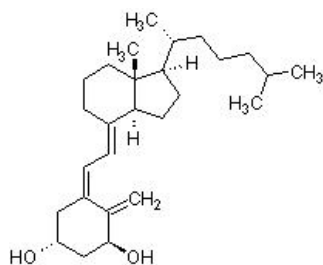
Product datasheet

1alpha-Hydroxyvitamin D3 (Alfacalcidol), Bone resorption inhibitor ab142686

Overview

Product name	1alpha-Hydroxyvitamin D3 (Alfacalcidol), Bone resorption inhibitor
Description	Bone resorption inhibitor. Metabolite of cholecalciferol.
Biological description	Metabolite of cholecalciferol (ab143594). Shows osteoprotective effects <i>in vivo</i> . Orally active.
Purity	> 98%
CAS Number	41294-56-8

Chemical structure



Properties

Chemical name	(1 <i>R</i> ,3 <i>S</i> ,5 <i>Z</i>)-5-[(2 <i>E</i>)-2-[(1 <i>R</i> ,3 <i>aS</i> ,7 <i>aR</i>)-7 <i>a</i> -Methyl-1-[(2 <i>R</i>)-6-methylheptan-2-yl]-2,3,3 <i>a</i> ,5,6,7-hexahydro-1 <i>H</i> -inden-4-ylidene]ethylidene]-4-methylidenecyclohexane-1,3-diol
Molecular weight	400.64
Molecular formula	C ₂₇ H ₄₄ O ₂
PubChem identifier	5282181
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO to 100 mM (with warming) and in ethanol to 100 mM
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour. Toxic, refer to SDS for further information. Need more advice on solubility, usage and handling? Please visit our frequently asked questions

(FAQ) page for more details.

SMILES

CC(C)CCCC(C)C1CCC2C1(CCCC2=CC=C3CC(CC(C3=C)O)O)C

Source

Synthetic

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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