Product datasheet

Calciferol (Vitamin D2) ab143588

Overview

Product name: Calciferol (Vitamin D2)

Description: VDR receptor activator. Active cholecalciferol metabolite.

Biological description: VDR receptor activator. Active cholecalciferol (ab143594) metabolite. Induces cell differentiation and shows antitumor effects. Shows antioxidant, anti-inflammatory, anti-ischemic and cardioprotective effects in vivo. Orally active.

Purity: > 91%

Properties

Chemical name: (1S,3Z)-3-[(2E)-2-[(1R,7aR)-1-[(E,2R,5R)-5,6-Dimethylhept-3-en-2-yl]-7a-methyl-2,3,3a,5,6,7-hexahydro-1H-inden-4-ylidene]ethylidene]-4-methylidenecyclohexan-1-ol

Molecular weight: 396.64

Chemical structure:

Molecular formula: C_{28}H_{44}O

CAS Number: 50-14-6

PubChem identifier: 11003810

Storage instructions: Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.

Solubility overview: Soluble in ethanol and in DMSO

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.

Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

SMILES: CC(C)C(C)=CC(C)C1CCC2C1(CCCC2=CC=C3CC(CCC3=C)O)C

Source: Synthetic
Please note: All products are “FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS”

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
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