

(1S)-Calcitriol-d6

Chemical Properties

CAS No. :	1202355-83-6
Formula:	C ₂₇ H ₄₄ O ₃
Molecular Weight:	422.68
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	(1S)-Calcitriol-d6 (1 α ,25-Dihydroxy-3-epi-vitamin D3-d6) is a deuterium-labeled form of (1S)-Calcitriol, a natural metabolite of 1 α ,25-dihydroxyvitamin D3 [1 α ,25(OH) ₂ D ₃]. This compound exhibits significant Vitamin D receptor (VDR)-mediated activities, such as inhibiting keratinocyte growth and suppressing parathyroid hormone secretion.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3659 mL	11.8293 mL	23.6586 mL
5 mM	0.4732 mL	2.3659 mL	4.7317 mL
10 mM	0.2366 mL	1.1829 mL	2.3659 mL
50 mM	0.0473 mL	0.2366 mL	0.4732 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.

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