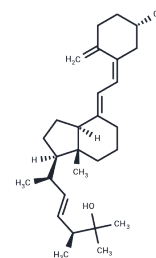


Ercalcidiol

Chemical Properties

CAS No. :	21343-40-8
Formula:	C ₂₈ H ₄₄ O ₂
Molecular Weight:	412.65
Appearance:	no data available
Storage:	store at low temperature,store under nitrogen Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Ercalcidiol is a metabolite of vitamin D ₂ and can be used in monitoring vitamin D therapy.
Targets(IC ₅₀)	Endogenous Metabolite
In vitro	The half-life of Ercalcidiol is shorter than that of 25(OH)D ₃ and Ercalcidiol binds less well to the vitamin D binding protein, making Ercalcidiol less potent and required much higher doses than vitamin D ₃ [2].

Solubility Information

Solubility	DMSO: 100 mg/mL (242.34 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4234 mL	12.1168 mL	24.2336 mL
5 mM	0.4847 mL	2.4234 mL	4.8467 mL
10 mM	0.2423 mL	1.2117 mL	2.4234 mL
50 mM	0.0485 mL	0.2423 mL	0.4847 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.

Reference

Li L, et al. Performance evaluation of two immunoassays for 25-hydroxyvitamin D. J Clin Biochem Nutr. 2016 May; 58(3):186-92.

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