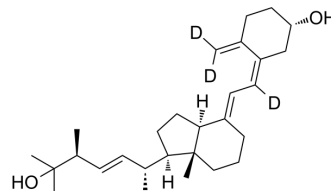


Ercalcidiol-d₃

Cat. No.:	HY-32349S
CAS No.:	1217467-39-4
Molecular Formula:	C ₂₈ H ₄₁ D ₃ O ₂
Molecular Weight:	415.67
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	-80°C, protect from light, stored under nitrogen



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (240.58 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.4058 mL	12.0288 mL	24.0575 mL
	5 mM	0.4812 mL	2.4058 mL	4.8115 mL
	10 mM	0.2406 mL	1.2029 mL	2.4058 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Ercalcidiol-d₃ is the deuterium labeled Ercalcidiol. Ercalcidiol is a metabolite of Vitamins D2. Ercalcidiol can be used as an indicator of vitamins D status^[1].

REFERENCES

[1]. Abdel-Khalik J, et al. Studies on the analysis of 25-hydroxyvitamin D(3) by isotope-dilution liquid chromatography-tandem mass spectrometry using enzyme-assisted derivatisation. *Biochem Biophys Res Commun.* 2014;446(3):745-750.

Caution: Product has not been fully validated for medical applications. For research use only.

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