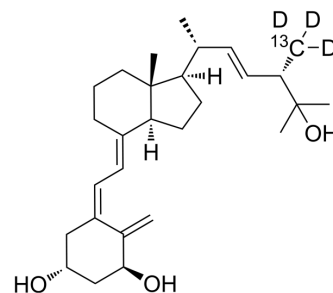


Ercalcitriol-¹³C,₃d₃

Cat. No.:	HY-32350S
Molecular Formula:	C ₂₇ ¹³ CH ₄₁ D ₃ O ₃
Molecular Weight:	432.66
Target:	VD/VDR; Drug Metabolite; Endogenous Metabolite; Isotope-Labeled Compounds
Pathway:	Vitamin D Related/Nuclear Receptor; Metabolic Enzyme/Protease; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Ercalcitriol- ¹³ C, ₃ d ₃ is the ¹³ C- and deuterium labeled Ercalcitriol. Ercalcitriol (1 α ,25-Dihydroxy Vitamin D ₂) is an active metabolite of vitamin D ₂ .
In Vitro	Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs ^[48] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Mawer EB, et al. A sensitive radioimmunoassay using a monoclonal antibody that is equipotent for ercalcitriol and calcitriol (1,25-dihydroxy vitamin D₂ and D₃). Clin Chim Acta. 1990 Oct 15;190(3):199-209.
- [2]. Mawer EB, et al. A sensitive radioimmunoassay using a monoclonal antibody that is equipotent for ercalcitriol and calcitriol (1,25-dihydroxy vitamin D₂ and D₃). Clin Chim Acta. 1990 Oct 15;190(3):199-209.

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

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