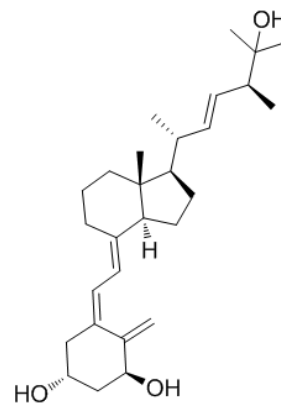


Product Name : Ecalcitriol
Cat. No. : PC-45808
CAS No. : 60133-18-8
Molecular Formula : C₂₈H₄₄O₃
Molecular Weight : 428.6472
Target : Vitamin D Receptor (VDR)
Solubility : 10 mM in DMSO



Biological Activity

The active circulating metabolite of vitamin D₂ that binds to nuclear receptor VDR; activates VDR to interact with retinoid X receptor (RXR) and forms the VDR/RXR/cofactor complex, which binds to Vitamin D response elements in the promoter region of target genes to regulate gene transcription.

References

- Nakane M, et al. J Steroid Biochem Mol Biol. 2006 Jan;98(1):72-7.
Hollis BW. Nutr Rev. 2007 Aug;65(8 Pt 2):S87-90.
Hollis BW, et al. J Steroid Biochem Mol Biol. 2007 Mar;103(3-5):473-6.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com