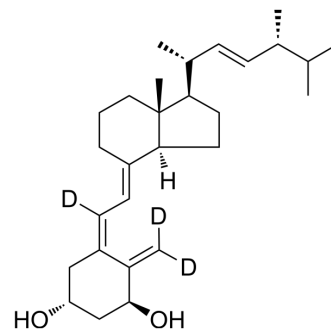


## Doxercalciferol-d<sub>3</sub>

<b>Cat. No.:</b>	HY-15285
<b>Molecular Formula:</b>	C <sub>28</sub> H <sub>41</sub> D <sub>3</sub> O <sub>2</sub>
<b>Molecular Weight:</b>	415.67
<b>Target:</b>	VD/VDR
<b>Pathway:</b>	Vitamin D Related/Nuclear Receptor
<b>Storage:</b>	-20°C, protect from light, stored under nitrogen * The compound is unstable in solutions, freshly prepared is recommended.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Doxercalciferol-d <sub>3</sub> is the deuterated form of Doxercalciferol, which is a Vitamin D2 analog that acts as a vitamin D receptor activator (VDRA).
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### REFERENCES

- [1]. Brown AJ, Ritter CS, Knutson JC, Strugnell SA. The vitamin D prodrugs 1α(OH)D<sub>2</sub>, 1α(OH)D<sub>3</sub> and BCI-210 suppress PTH secretion by bovine parathyroid cells. *Nephrol Dial Transplant*. 2006 Mar;21(3):644-50.
- [2]. Noonan W, Koch K, Nakane M, Ma J, Dixon D, Bolin A, Reinhart G. Differential effects of vitamin D receptor activators on aortic calcification and pulse wave velocity in uraemic rats. *Nephrol Dial Transplant*. 2008 Dec;23(12):3824-30.
- [3]. Sjöden G. Effects of vitamin D. A comparison of 1 α(OH)D<sub>2</sub> and 1 α(OH)D<sub>3</sub> in rats. *Acta Orthop Scand Suppl*. 1985;217:1-84.

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

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