

Doxercalciferol-D3

Chemical Properties

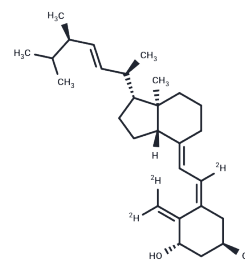
CAS No. :

Formula: C28H41D3O2

Molecular Weight: 415.67

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description

Doxercalciferol-D3 is the deuterated form of Doxercalciferol (T6112) and ACTS as vitamin D receptor activator (VDRA), which is a vitamin D2 analogue.

Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.0481 mL	0.2406 mL	0.4812 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Brown AJ, Ritter CS, Knutson JC, Strugnell SA. The vitamin D prodrugs 1alpha(OH)D2, 1alpha(OH)D3 and BCI-210 suppress PTH secretion by bovine parathyroid cells. *Nephrol Dial Transplant*. 2006 Mar;21(3):644-50.

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.

Sjödén G. Effects of vitamin D. A comparison of 1 alpha OHD2 and 1 alpha OHD3 in rats. *Acta Orthop Scand Suppl*. 1985;217:1-84.

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