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产品名称: **25,26-Dihydroxy Vitamin D3**

产品别名: **25,26-二羟基维他命 D3 ; 25,26-Dihydroxycholecalciferol**

生物活性:	
Description	25,26-Dihydroxyvitamin D3(25,26-dihydroxycholecalciferol) is a metabolite of vitamin D3 with intestinal calcium transport activity. IC50 value: Target: VD metabolite The biological activity of synthetic 24,25 and 25,26 diOHD3 was studied in vitamin D-deficient rats. The purpose of this study was to investigate the influence of small doses of both metabolites (0.125-0.250 mug) upon intestinal calcium transport and bone calcium mobilization. Both metabolites were able to increase calcium absorption in rats maintained on a calcium-deficient diet, but failed to do it in rats on a normal calcium diet. Bilateral nephrectomy suppressed this effect. The "bone calcium mobilization" of both derivatives was measured in vitamin D and calcium- or phosphorus-deprived rats after one intravenous dose. When serum calcium was initially low, 24,25 and 25,26 diOHD3 increased serum calcium moderately, but the increment was only significant with 24,25 diOHD3.
IC₅₀ & Target	Human Endogenous Metabolite
References	[1]. DeLuca HF, et al. 25,26-dihydroxycholecalciferol, a metabolite of vitamin D3 with intestinal calcium transport activity. Biochemistry. 1970 Nov 24;9(24):4776-80. [2]. Miravet L, et al. The biological activity of synthetic 25,26-dihydroxycholecalciferol and 24,25-dihydroxycholecalciferol in vitamin D-deficient rats. Calcif Tissue Res. 1976 Dec 2;21(3):145-52. [3]. Fraher LJ, et al. Determination of circulating 25,26-dihydroxycholecalciferol in man by radioimmunoassay. Clin Sci (Lond). 1980 Oct;59(4):257-63.

源叶生物