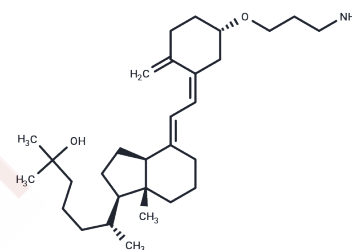


## 3-O-(2-Aminoethyl)-25-hydroxyvitamin D3

### Chemical Properties

CAS No. :	163018-26-6
Formula:	C30H51NO2
Molecular Weight:	457.743
Storage:	Powder: -20°C for 3 years Actual storage temperature shall be subject to the COA.



### Biological Description

Description	3-O-(2-Aminoethyl)-25-hydroxyvitamin D3 is a derivative of Vitamin D3.
Targets(IC50)	Others,Vitamin

### Solubility Information

Solubility	DMSO: 100 mg/mL (218.46 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 3.3 mg/mL (7.21 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1846 mL	10.9232 mL	21.8465 mL
5 mM	0.4369 mL	2.1846 mL	4.3693 mL
10 mM	0.2185 mL	1.0923 mL	2.1846 mL
50 mM	0.0437 mL	0.2185 mL	0.4369 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

Roy A, et al. Aminopropylation of vitamin D hormone ( $1\alpha,25$ -dihydroxyvitamin D<sub>3</sub>), its biological precursors, and other steroidal alcohols: an anchoring moiety for affinity studies of sterols. *Steroids* (1995), 60(8), 530-3.

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