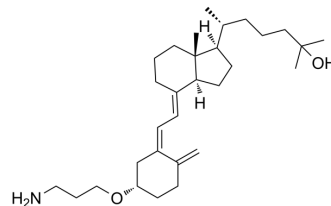


## 3-O-(2-Aminoethyl)-25-hydroxyvitamin D3

Cat. No.:	HY-15254
CAS No.:	163018-26-6
Molecular Formula:	C <sub>30</sub> H <sub>51</sub> NO <sub>2</sub>
Molecular Weight:	457.73
Target:	VD/VDR
Pathway:	Vitamin D Related/Nuclear Receptor
Storage:	4°C, protect from light, stored under nitrogen * The compound is unstable in solutions, freshly prepared is recommended.



### SOLVENT & SOLUBILITY

In Vitro	DMSO : ≥ 100 mg/mL (218.47 mM) * "≥" means soluble, but saturation unknown.					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
			1 mM	2.1847 mL	10.9235 mL	21.8469 mL
			5 mM	0.4369 mL	2.1847 mL	4.3694 mL
			10 mM	0.2185 mL	1.0923 mL	2.1847 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (5.46 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.46 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.46 mM); Clear solution					

### BIOLOGICAL ACTIVITY

Description	3-O-(2-Aminoethyl)-25-hydroxyvitamin D3 is a Vitamin D3 derivative.
IC <sub>50</sub> & Target	Vitamin D/Vitamin D receptor <sup>[1]</sup>
In Vitro	3-O-(2-Aminoethyl)-25-hydroxyvitamin D3 is a 25-hydroxyvitamin D3 derivative <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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## REFERENCES

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA