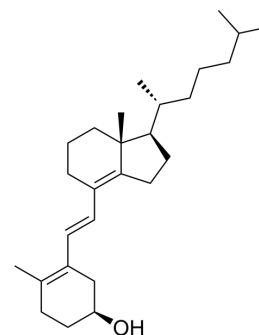


Isotachysterol 3

Cat. No.:	HY-130704
CAS No.:	22350-43-2
Molecular Formula:	C ₂₇ H ₄₄ O
Molecular Weight:	384.64
Target:	Calcium Channel
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	-80°C, protect from light, stored under nitrogen * The compound is unstable in solutions, freshly prepared is recommended.



SOLVENT & SOLUBILITY

In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 3.25 mg/mL (8.45 mM); Suspended solution; Need ultrasonic Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 3.25 mg/mL (8.45 mM); Suspended solution; Need ultrasonic Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 3.25 mg/mL (8.45 mM); Clear solution
----------------	---

BIOLOGICAL ACTIVITY

Description	Isotachysterol 3 is an analog of 1,25-dihydrox Vitamin D3. Isotachysterol 3 stimulates intestinal calcium transport and bone calcium mobilization in anephric rats ^[1] .	
In Vivo	Isotachysterol 3 stimulates intestinal calcium transport and bone calcium mobilization in normal and anephric rats ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
	Animal Model:	Weanling, male albino rats ^[1]
	Dosage:	5 μg in 0.05 mL of 95 percent ethanol
	Administration:	Intrajugular injection
	Result:	Stimulated intestinal calcium transport and bone calcium mobilization.

REFERENCES

[1]. M F Holick, et al. Isotachysterol-3 and 25-hydroxyisotachysterol-3: Analogs of 1,25-dihydrox Vitamin D3. Science. 1973 Jun 1;180(4089):964-6.

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

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