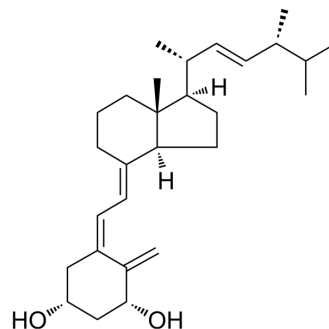


Impurity of Doxercalciferol

Cat. No.:	HY-76937
CAS No.:	127516-23-8
Molecular Formula:	C ₂₈ H ₄₄ O ₂
Molecular Weight:	412.65
Target:	VD/VDR
Pathway:	Vitamin D Related/Nuclear Receptor
Storage:	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (242.34 mM; Need ultrasonic)

Concentration	Solvent	Mass	1 mg	5 mg	10 mg
			1 mM	2.4234 mL	12.1168 mL
5 mM			0.4847 mL	2.4234 mL	4.8467 mL
10 mM			0.2423 mL	1.2117 mL	2.4234 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Impurity of Doxercalciferol is an impurity of doxercalciferol, which is a synthetic analog of ergocalciferol (vitamin D₂), used as a agent for secondary hyperparathyroidism and metabolic bone disease, and it suppresses parathyroid synthesis and secretion.

REFERENCES

[1]. Duggal J, et al. Involvement of microRNA181a in differentiation and cell cycle arrest induced by a plant-derived antioxidant carnosic acid and vitamin D analog doxercalciferol in human leukemia cells. *Microna*. 2012;1(1):26-33.

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