5,6-trans-Vitamin D3

Cat. No.: HY-15398A  
CAS No.: 22350-41-0  
Molecular Formula: C₂₇H₄₄O  
Molecular Weight: 384.64  
Target: VD/VDR  
Pathway: Vitamin D Related  
Storage: -20°C, protect from light, stored under nitrogen  
* In solvent: -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)

BIOLOGICAL ACTIVITY

Description  
5,6-trans-Vitamin D3 (5,6-trans-Cholecalciferol; 5,6-trans-Colecalciferol) is a photoproduct of vitamin D3[1]. Vitamin D3 is a naturally occurring form of vitamin D. Vitamin D3 induces cell differentiation and prevents proliferation of cancer cells.

In Vitro  
Normal human keratinocytes in the cultured human keratinocytes by determining their influence on ³H-thymidine incorporation into DNA.  
5,6-trans-vitamin D3 only induces significant inhibition at 10⁻⁶ M. The dissociation constants of vitamin D receptor (VDR) for 5,6-trans-vitamin D3 is 560 nM[1].  
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES


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