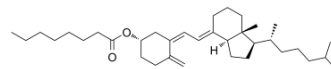


Vitamin D3 octanoate

Cat. No.:	HY-N8357
CAS No.:	927822-16-0
Molecular Formula:	C ₃₅ H ₅₈ O ₂
Molecular Weight:	510.83
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Vitamin D3 octanoate is an octanoate ester of vitamin D ₃ ^[1] . Vitamin D ₃ (Cholecalciferol; HY-15398) is a naturally occurring form of vitamin D. Vitamin D ₃ induces cell differentiation and prevents proliferation of cancer cells ^[2] .
IC ₅₀ & Target	Human Endogenous Metabolite

REFERENCES

[1]. John M Ballard, et al. Degradation of vitamin D₃ in a stressed formulation: the identification of esters of vitamin D₃ formed by a transesterification with triglycerides. J Pharm Biomed Anal. 2007 Jan 4;43(1):142-50.

[2]. Laura Bergadà, et al. Role of local bioactivation of vitamin D by CYP27A1 and CYP2R1 in the control of cell growth in normal endometrium and endometrial carcinoma. Lab Invest. 2014 Jun;94(6):608-22

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

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