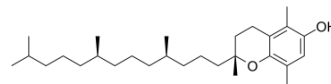


β-Tocopherol

Cat. No.:	HY-133680
CAS No.:	16698-35-4
Molecular Formula:	C ₂₈ H ₄₈ O ₂
Molecular Weight:	416.68
Target:	Tyrosinase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

β-Tocopherol is an analogue of vitamin E, exhibits antioxidant properties. β-Tocopherol can inhibit tyrosinase activity and melanin synthesis. β-Tocopherol also can prevent the inhibition of cell growth and of PKC activity caused by d-alpha-tocopherol^{[1][2][3]}.

REFERENCES

- [1]. Azzi A, et, al. d-alpha-tocopherol control of cell proliferation. *Mol Aspects Med.* 1993; 14(3): 265-71.
- [2]. Tasinato A, et, al. d-alpha-tocopherol inhibition of vascular smooth muscle cell proliferation occurs at physiological concentrations, correlates with protein kinase C inhibition, and is independent of its antioxidant properties. *Proc Natl Acad Sci U S A.* 1995 Dec 19; 92(26): 12190-4.
- [3]. Kamei Y, et, al. Comparison of the inhibitory effects of vitamin E analogues on melanogenesis in mouse B16 melanoma cells. *Cytotechnology.* 2009 Apr; 59(3): 183-90.

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

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