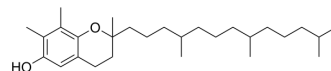


(±)-γ-Tocopherol

Cat. No.:	HY-N7148A
CAS No.:	7616-22-0
Molecular Formula:	C ₂₈ H ₄₈ O ₂
Molecular Weight:	416.68
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	(±)-γ-Tocopherol is an endogenous metabolite present in Blood that can be used for the research of Prostate Cancer and Endometrial Cancer ^{[1][2][3]} .
In Vitro	Endogenous metabolites is defined as those that are annotated by Kyoto Encyclopedia of Genes and Genomes as substrates or products of the ~1900 metabolic enzymes encoded in our genome. It is clear in the body of literature that there are documented toxic properties for many of these metabolites ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Key TJ, et al. Plasma carotenoids, retinol, and tocopherols and the risk of prostate cancer in the European Prospective Investigation into Cancer and Nutrition study. *Am J Clin Nutr.* 2007 Sep;86(3):672-81.
- [2]. Jeong NH, et al. Preoperative levels of plasma micronutrients are related to endometrial cancer risk. *Acta Obstet Gynecol Scand.* 2009;88(4):434-9.
- [3]. Lee N, et al. Endogenous toxic metabolites and implications in cancer therapy. *Oncogene.* 2020 Aug;39(35):5709-5720.

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

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