



LKT Laboratories, Inc.

Vitamin E

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Product Information

Product ID V3277

CAS No. 10191-41-0

Chemical Name

Synonym D,L- α -Tocopherol, (+-)- α -Tocopherol, Ephanlyl

Formula C₂₉H₅₀O₂

Formula Wt. 430.7

Melting Point 3 °C

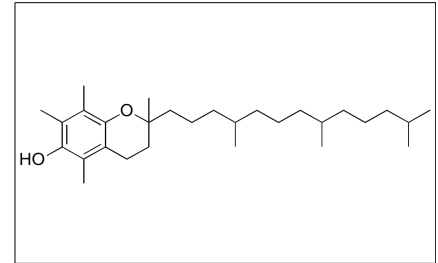
Purity ≥98%

Solubility Soluble in ethanol, ether, chloroform, acetone or vegetable oils.

Store Temp 4 °C

Ship Temp Ambient

Description D,L- α -Tocopherol is a synthetic form of vitamin E that exhibits antioxidative, anti-atherosclerotic, neuroprotective, and anticoagulant activities. Vitamin E is found naturally as D- α -tocopherol. Out of all of the forms of vitamin E, α -tocopherols are the most biologically active. This compound is occasionally found in commercial dietary supplements. In macrophages, this form of vitamin E decreases oxidation of LDL and ox-LDL-induced toxicity; in similar animal models, this compound inhibits the development of atherosclerotic lesions. Additionally, D,L- α -tocopherol inhibits platelet aggregation.



Bulk quantities available upon request

Product ID	Size
V3277	5 g
V3277	25 g
V3277	100 g
V3277	250 g

References Reid VC, Mitchinson MJ. Toxicity of oxidised low density lipoprotein towards mouse peritoneal macrophages in vitro. *Atherosclerosis*. 1993 Jan 4;98(1):17-24. PMID: 8457247.

Williams RJ, Motteram JM, Sharp CH, et al. Dietary vitamin E and the attenuation of early lesion development in modified Watanabe rabbits. *Atherosclerosis*. 1992 Jun;94(2-3):153-9. PMID: 1632869.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.