



LKT Laboratories, Inc.

Ascorbyl Palmitate

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Product Information

Product ID A7309

CAS No. 137-66-6

Chemical Name L-Ascorbic acid, 6-palmitate

Synonym Ascorbic acid palmitate, Ascorbic palmitate, Quicifal, Ondascora, Vitamin C palmitate, 6-Palmitoylascorbic acid

Formula C₂₂H₃₈O₇

Formula Wt. 414.53

Melting Point 107-117° C

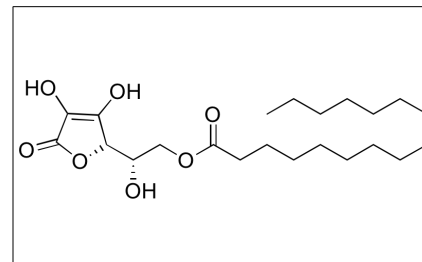
Purity ≥95%

Solubility Insoluble in water. Soluble in ethanol (8 mg/mL).

Store Temp Ambient

Ship Temp Ambient

Description Ascorbyl palmitate is a fat-soluble vitamin C derivative that is commercially used as a vitamin C supplement and antioxidative food additive; it is also used in research models to aid in drug delivery or tissue targeting. Ascorbyl palmitate is the ester of ascorbic acid and palmitic acid. In porcine skin, this compound decreases free radical formation.



Bulk quantities available upon request

Product ID	Size
A7309	25 g
A7309	100 g
A7309	500 g

References Zariwala MG, Farnaud S, Merchant Z, et al. Ascorbyl palmitate/DSPE-PEG nanocarriers for oral iron delivery: preparation, characterisation and in vitro evaluation. *Colloids Surf B Biointerfaces*. 2014 Mar 1;115:86-92. PMID: 24333557.

Let MB, Jacobsen C, Meyer AS. Ascorbyl palmitate, gamma-tocopherol, and EDTA affect lipid oxidation in fish oil enriched salad dressing differently. *J Agric Food Chem*. 2007 Mar 21;55(6):2369-75. PMID: 17319681.

Llabot JM, Palma SD, Manzo RH, et al. Design of novel antifungal mucoadhesive films. Part II. Formulation and in vitro biopharmaceutical evaluation. *Int J Pharm*. 2007 May 24;336(2):263-8. PMID: 17223291.

Jurkovic P, Sentjurc M, Gasperlin M, et al. Skin protection against ultraviolet induced free radicals with ascorbyl palmitate in microemulsions. *Eur J Pharm Biopharm*. 2003 Jul;56(1):59-66. PMID: 12837482.

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