
Product Data Sheet

Product Name: 13-cis-Vitamin A palmitate

Cat. No.: GC62758

Chemical Properties

Cas. No. 26771-20-0

Formula $C_{36}H_{60}O_2$

M.Wt

524.86

Solubility

Storage

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

13-cis-Vitamin A palmitate (13-cis-Retinyl palmitate) is a 13-cis isomer formed by vitamin A palmitate in corn flakes. 13-cis-Vitamin A palmitate has a biological activity of 75% of all-trans-vitamin A palmitate, the most biologically active form of vitamin A [1].

Of the total vitamin A palmitate content, 5% is the 13-cis and less than 1% is the 9-cis with 94% being all-trans [1].

[1]. Y.-S. Kim, et al. Degradation of Vitamin A Palmitate in Corn Flakes During Storage. Journal of Food Science. Volume 65, Issue 7. October 2000.

[2]. Guangwen Tang, et al. Formation of all-trans-retinoic acid and 13-cis-retinoic acid from all-trans-retinyl palmitate in humans. The Journal of Nutritional Biochemistry. Volume 2, Issue 4, April 1991, Pages 210-213.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA