

phosphatidylcholine-retinol O-acyltransferase

Cat. No. EXWM-2073

Lot. No. (See product label)

Introduction

Description

A key enzyme in retinoid metabolism, catalysing the transfer of an acyl group from the sn-1 position of phosphatidylcholine to retinol, forming retinyl esters which are then stored. Recognizes the substrate both in free form and when bound to cellular-retinol-binding-protein, but has higher affinity for the bound form. Can also esterify 11-cis-retinol.

Synonyms

lecithin-retinol acyltransferase; phosphatidylcholine:retinol-(cellular-retinol-binding-protein) O-acyltransferase; lecithin:retinol acyltransferase; lecithin-retinol acyltransferase; retinyl ester synthase; LRAT; lecithin retinol acyl transferase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.3.1.135

CAS No.

117444-03-8

Reaction

phosphatidylcholine + retinol-[cellular-retinol-binding-protein] = 2-acylglycerophosphocholine + retinyl-ester-[cellular-retinol-binding-protein]

Notes

This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage

Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.