Creative Enzymes®

retinoid isomerohydrolase

Cat. No. EXWM-3492

Lot. No. (See product label)

Introduction

Description	This enzyme, which operates in the retinal pigment epithelium (RPE), catalyses the cleavage and isomerization of all-trans-retinyl fatty acid esters to 11-cis-retinol, a key step in the regeneration of the visual chromophore in the vertebrate visual cycle. Interaction of the enzyme with the membrane is critical for its enzymic activity.
Synonyms	all-trans-retinyl-palmitate hydrolase (ambiguous); retinol isomerase (ambiguous); all-trans-retinol isomerase:hydrolase (ambiguous); all-trans-retinylester 11-cis isomerohydrolase; RPE65 (gene name)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.1.1.64
CAS No.	106389-24-6
Reaction	an all-trans-retinyl ester + H2O = 11-cis-retinol + a fatty acid
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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.