Creative Enzymes®

icosanoyl-CoA 5-desaturase

Cat. No. EXWM-0972

Lot. No. (See product label)

Introduction

Description	The enzyme, characterized from the plant Limnanthes douglasii (meadowfoam), is involved in the biosynthesis of (5Z)-icos-5-enoate, an unusual monounsaturated fatty acid that makes up to 60% of the total fatty acids in Limnanthes sp. seed oil. The enzyme only acts on saturated fatty acids.
Synonyms	acyl-CoA Δ5-desaturase (ambiguous)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.14.19.10
Reaction	icosanoyl-CoA + 2 ferrocytochrome b5 + O2 + 2 H+ = (Z)-icos-5-enoyl-CoA + 2 ferricytochrome b5 + 2 H2O
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 ℃.