enoyl-[acyl-carrier-protein] reductase (NADPH, Re-specific)

Cat. No. EXWM-1311

Lot. No. (See product label)

Introduction

Description	This enzyme completes each cycle of fatty acid elongation by catalysing the stereospecific reduction of the double bond at position 2 of a growing fatty acid chain, while linked to an acyl-carrier protein. It is one of the activities of EC 2.3.1.85, animal fatty-acid synthase. The mammalian enzyme is Re-specific with respect to NADP+. cf. EC 1.3.1.10, enoyl-[acyl-carrier-protein] reductase (NADPH, Si-specific) and EC 1.3.1.104, enoyl-[acyl-carrier-protein] reductase (NADPH).
Synonyms	acyl-ACP dehydrogenase; enoyl-[acyl carrier protein] (reduced nicotinamide adenine dinucleotide phosphate) reductase; NADPH 2-enoyl Co A reductase; enoyl-ACp reductase; enoyl-[acyl-carrier-protein] reductase (NADPH2, A-specific); acyl-[acyl-carrier-protein]:NADP+ oxidoreductase (A-specific); enoyl-[acyl-carrier-protein] reductase (NADPH, A-specific); acyl-[acyl-carrier protein]:NADP+ oxidoreductase (A-specific)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.3.1.39
Reaction	an acyl-[acyl-carrier protein] + NADP+ = a trans-2,3-dehydroacyl-[acyl-carrier protein] + NADPH + H+
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 ℃.