Creative Enzymes®

(11Z)-hexadec-11-enoyl-CoA conjugase

Cat. No. EXWM-0977

Lot. No. (See product label)

Introduction

Description	The enzyme, characterized from the silk moth Bombyx mori, catalyses a step in the pathway for the biosynthesis of bombykol, a sex pheromone produced by the moth. The enzyme converts a single cis double bond at position 11 of (11Z)-hexadec-11-enoyl-CoA into conjugated 10 trans and 12 cis double bonds. Prior to catalysing this reaction, the enzyme catalyses the introduction of the cis bond in position 11 (cf. EC 1.14.19.5, acyl-CoA 11-desaturase).
Synonyms	Bmpgdesat1 (gene name)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.14.19.15
Reaction	(11Z)-hexadec-11-enoyl-CoA + reduced acceptor + O2 = (10E,12Z)-hexadeca-10,12-dienoyl-CoA + acceptor + 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 ℃.