Creative Enzymes®

# acyl-CoA 11-(E)-desaturase

*Cat. No. EXWM-0987*

*Lot. No.* (See product label)

## Introduction

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| ***Description*** | Involved in sex pheromone synthesis in the Lepidoptera (moths). The enzyme from the moth Spodoptera littoralis prefers 13:0 and 14:0 substrates. The product is formed by the stereospecific removal of the pro-R H at C-11 and the pro-S H at C-12. cf. EC 1.14.19.5, acyl-CoA 11-(Z)-desaturase. |

## Product Information

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| ***Form*** | Liquid or lyophilized powder |
| ***EC Number*** | EC 1.14.19.24 |
| ***CAS No.*** | 199543-17-4 |
| ***Reaction*** | an acyl-CoA + 2 ferrocytochrome b5 + O2 + 2 H+ = an (11E)-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

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| ***Storage*** | Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃. |