

## acyl-CoA 11-(E)-desaturase

Cat. No. EXWM-0987

Lot. No. (See product label)

### Introduction

#### 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

**Form** Liquid or lyophilized powder

**EC Number** EC 1.14.19.24

**CAS No.** 199543-17-4

**Reaction** an acyl-CoA + 2 ferrocytochrome b5 + O<sub>2</sub> + 2 H<sup>+</sup> = an (11E)-enoyl-CoA + 2 ferricytochrome b5 + 2 H<sub>2</sub>O

**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 °C for short term. For long term storage, store it at -20 °C~-80 °C.