

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 + 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

Storage Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.