

## stearoyl-CoA 9-desaturase

Cat. No. EXWM-0971

Lot. No. (See product label)

### Introduction

#### Description

An iron protein. The rat liver enzyme is an enzyme system involving cytochrome b5 and EC 1.6.2.2, cytochrome-b5 reductase. The ferricytochrome b5 produced is reduced by NADH and cytochrome-b5 reductase (EC 1.6.2.2).

#### Synonyms

$\Delta$ 9-desaturase; acyl-CoA desaturase; fatty acid desaturase; stearoyl-CoA, hydrogen-donor:oxygen oxidoreductase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.14.19.1

#### CAS No.

9014-34-0

#### Reaction

stearoyl-CoA + 2 ferrocycytochrome b5 + O<sub>2</sub> + 2 H<sup>+</sup> = oleoyl-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.