

## 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** Δ9-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**  $\text{stearoyl-CoA} + 2 \text{ ferrocycytochrome b5} + \text{O}_2 + 2 \text{ H}^+ = \text{oleoyl-CoA} + 2 \text{ ferricytochrome b5} + 2 \text{ H}_2\text{O}$

**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.