

## styrene monooxygenase

Cat. No. EXWM-0908

Lot. No. (See product label)

### Introduction

**Description** The enzyme catalyses the first step in the aerobic styrene degradation pathway. It forms a two-component system with a reductase (StyB) that utilizes NADH to reduce flavin-adenine dinucleotide, which is then transferred to the oxygenase.

**Synonyms** StyA; SMO; NSMOA

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 1.14.14.11

**Reaction** styrene + FADH<sub>2</sub> + O<sub>2</sub> = (S)-2-phenyloxirane + FAD + 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.