

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 + FADH₂ + O₂ = (S)-2-phenyloxirane + FAD + 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.