

dibenzothiophene sulfone monooxygenase

Cat. No. EXWM-0919

Lot. No. (See product label)

Introduction

Description

This bacterial enzyme catalyses a step in the desulfurization pathway of dibenzothiophenes. The enzyme forms a two-component system with a dedicated NADH-dependent FMN reductase (EC 1.5.1.42) encoded by the dszD gene, which also interacts with EC 1.14.14.21, dibenzothiophene monooxygenase.

Synonyms

dszA (gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.14.14.22

Reaction

dibenzothiophene-5,5-dioxide + 2 FMNH₂ + O₂ = 2'-hydroxybiphenyl-2-sulfinate + 2 FMN + 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.