Creative Enzymes®

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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.