Creative Enzymes®

4-methoxybenzoate monooxygenase (O-demethylating)

Cat. No. EXWM-1035

Lot. No. (See product label)

Introduction

Description	The bacterial enzyme consists of a ferredoxin-type protein and an iron-sulfur flavoprotein (FMN). Also acts on 4-ethoxybenzoate, N-methyl-4-aminobenzoate and toluate. The fungal enzyme acts best on veratrate.
Synonyms	4-methoxybenzoate 4-monooxygenase (O-demethylating); 4-methoxybenzoate O-demethylase; p-anisic O-demethylase; piperonylate-4-O-demethylase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.14.99.15
CAS No.	37256-78-3
Reaction	4-methoxybenzoate + AH2 + O2 = 4-hydroxybenzoate + formaldehyde + A + 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 ℃.