

5-methylphenazine-1-carboxylate 1-monooxygenase

Cat. No. EXWM-0820

Lot. No. (See product label)

Introduction

Description

The enzyme, characterized from the bacterium *Pseudomonas aeruginosa*, is involved in the biosynthesis of pyocyanin, a toxin produced and secreted by the organism. It can also act on phenazine-1-carboxylate, converting it into phenazin-1-ol.

Synonyms

phzS (gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.14.13.218

Reaction

5-methylphenazine-1-carboxylate + NADH + O₂ = pyocyanin + NAD⁺ + CO₂ + 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.