

3-hydroxy-4-methylanthranilyl-[aryl-carrier protein] 5-monooxygenase

Cat. No. EXWM-0826

Lot. No. (See product label)

Introduction

Description

A flavoprotein (FAD). The enzyme, characterized from the bacterium *Streptosporangium sibiricum*, is involved in the biosynthesis of the antitumor antibiotic sibiromycin. The enzyme is not active with free 3-hydroxy-4-methylanthranilate.

Synonyms

sibG (gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.14.13.223

Reaction

3-hydroxy-4-methylanthranilyl-[aryl-carrier protein] + NADH + H⁺ + O₂ = 3,5-dihydroxy-4-methylanthranilyl-[aryl-carrier protein] + NAD⁺ + 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.