

6-hydroxy-3-succinoylpyridine 3-monooxygenase

Cat. No. EXWM-0763

Lot. No. (See product label)

Introduction

Description

The enzyme catalyses a reaction in the nicotine degradation pathway of Pseudomonas species. One of the enzymes from the soil bacterium Pseudomonas putida S16 contains an FAD cofactor.

Synonyms

6-hydroxy-3-succinoylpyridine hydroxylase; hspA (gene name); hspB (gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.14.13.163

Reaction

$4\text{-(6-hydroxypyridin-3-yl)-4-oxobutanoate} + 2 \text{ NADH} + 2 \text{ H}^+ + \text{O}_2 = 2,5\text{-dihydroxypyridine} + \text{succinate semialdehyde} + 2 \text{ NAD}^+ + \text{H}_2\text{O}$

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.