

L-lysine N6-monooxygenase (NADPH)

Cat. No. EXWM-0866

Lot. No. (See product label)

Introduction

Description

A flavoprotein (FAD). The enzyme from strain EN 222 of Escherichia coli is highly specific for L-lysine; L-ornithine and L-homolysine are, for example, not substrates.

Synonyms

lysine N6-hydroxylase; L-lysine 6-monooxygenase (NADPH) (ambiguous)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.14.13.59

CAS No.

64295-82-5

Reaction

$\text{L-lysine} + \text{NADPH} + \text{H}^+ + \text{O}_2 = \text{N6-hydroxy-L-lysine} + \text{NADP}^+ + \text{H}_2\text{O}$

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.