

L-arginine hydroxylase

Cat. No. EXWM-0660

Lot. No. (See product label)

Introduction

Description

Fe²⁺-dependent enzyme. The enzyme is involved in the biosynthesis of the cyclic pentapeptide antibiotic viomycin. It differs from EC 1.14.11.34, 2-oxoglutarate/L-arginine monooxygenase/decarboxylase (succinate-forming), because it does not form guanidine and (S)-1-pyrroline-5-carboxylate from 3-hydroxy-L-arginine.

Synonyms

VioC (ambiguous); L-arginine,2-oxoglutarate:O₂ oxidoreductase (3-hydroxylating)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.14.11.41

Reaction

L-arginine + 2-oxoglutarate + O₂ = (3S)-3-hydroxy-L-arginine + succinate + CO₂

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.