Creative Enzymes®

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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.