

enduracididine β -hydroxylase

Cat. No. EXWM-0659

Lot. No. (See product label)

Introduction

Description

Fe²⁺-dependent enzyme. The enzyme is involved in biosynthesis of the nonproteinogenic amino acid β -hydroxyenduracididine, a component of the mannopeptimycins (cyclic glycopeptide antibiotic), produced by *Streptomyces hygroscopicus* NRRL 30439.

Synonyms

MppO; L-enduracididine,2-oxoglutarate:O₂ oxidoreductase (3-hydroxylating)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.14.11.40

Reaction

L-enduracididine + 2-oxoglutarate + O₂ = (3S)-3-hydroxy-L-enduracididine + 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.