Creative Enzymes®

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