

L-isoleucine 4-hydroxylase

Cat. No. EXWM-0664

Lot. No. (See product label)

Introduction

Description

The enzyme, characterized from the bacterium *Bacillus thuringiensis*, can also catalyse the hydroxylation of L-leucine, L-norvaline, L-norleucine, and L-allo-isoleucine, as well as the sulfoxidation of L-methionine, L-ethionine, S-methyl-L-cysteine, S-ethyl-L-cysteine, and S-allyl-L-cysteine.

Synonyms

ido (gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.14.11.45

Reaction

L-isoleucine + 2-oxoglutarate + O₂ = (4S)-4-hydroxy-L-isoleucine + 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.