Creative Enzymes®

L-asparagine hydroxylase

Cat. No. EXWM-0657

Lot. No. (See product label)

Introduction

Description	Requires Fe2+. The enzyme is only able to hydroxylate free L-asparagine. It is not active toward D-asparagine. The β-hydroxylated asparagine produced is incorporated at position 9 of the calcium-dependent antibiotic (CDA), an 11-residue non-ribosomally synthesized acidic lipopeptide lactone.
Synonyms	L-asparagine 3-hydroxylase; AsnO

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.14.11.39
Reaction	L-asparagine + 2-oxoglutarate + O2 = (2S,3S)-3-hydroxyasparagine + 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 ℃.