Creative Enzymes®

erythro-3-hydroxy-L-aspartate ammonia-lyase

Cat. No. EXWM-5281

Lot. No. (See product label)

Introduction

Description	A pyridoxal-phosphate protein. The enzyme, which was characterized from the bacterium Paracoccus denitrificans NCIMB 8944, is highly specific for the L-isomer of erythro-3-hydroxyaspartate. Different from EC 4.3.1.16, threo-3-hydroxy-L-aspartate ammonia-lyase and EC 4.3.1.27, threo-3-hydroxy-D-aspartate ammonia-lyase. Requires a divalent cation such as Mn2+, Mg2+, and Ca2+.
Synonyms	erythro-β-hydroxyaspartate dehydratase; erythro-3-hydroxyaspartate dehydratase; erythro-3-hydroxy-Ls-aspartate hydro-lyase (deaminating); erythro-3-hydroxy-Ls-aspartate ammonia-lyase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 4.3.1.20
CAS No.	37290-74-7
Reaction	erythro-3-hydroxy-L-aspartate = oxaloacetate + NH3
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 ℃.