

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 Mn^{2+} , Mg^{2+} , and Ca^{2+} .

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 + NH_3

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.