

## 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- $\beta$ -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.