

threo-3-hydroxy-L-aspartate ammonia-lyase

Cat. No. EXWM-5276

Lot. No. (See product label)

Introduction

Description

A pyridoxal-phosphate protein. The enzyme, purified from the bacterium *Pseudomonas* sp. T62, is highly specific, and does not accept any other stereoisomer of 3-hydroxyaspartate. Different from EC 4.3.1.20, erythro-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+} , or Ca^{2+} .

Synonyms

L-threo-3-hydroxyaspartate dehydratase; threo-3-hydroxyaspartate ammonia-lyase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 4.3.1.16

CAS No.

248270-70-4

Reaction

threo-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.