

D-threonine aldolase

Cat. No. EXWM-4878

Lot. No. (See product label)

Introduction

Description

A pyridoxal-phosphate protein that is activated by divalent metal cations (e.g. Co^{2+} , Ni^{2+} , Mn^{2+} or Mg^{2+}). The reaction is reversible, which can lead to the interconversion of D-threonine and D-allothreonine. Several other D- β -hydroxy- α -amino acids, such as D- β -phenylserine, D- β -hydroxy- α -aminovaleric acid and D- β -3,4-dihydroxyphenylserine, can also act as substrate.

Synonyms

D-TA; DTA; low specificity D-TA; low specificity D-threonine aldolase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 4.1.2.42

Reaction

(1) D-threonine = glycine + acetaldehyde; (2) D-allothreonine = glycine + acetaldehyde

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.