

N2-(2-carboxyethyl)arginine synthase

Cat. No. EXWM-2803

Lot. No. (See product label)

Introduction

Description

The enzyme requires thiamine diphosphate and catalyses the first step in the clavulanic-acid-biosynthesis pathway. The 2-hydroxy-3-oxo group transferred from glyceraldehyde 3-phosphate is isomerized during transfer to form the 2-carboxyethyl group.

Synonyms

CEAS; N2-(2-carboxyethyl)arginine synthetase; CEA synthetase; glyceraldehyde-3-phosphate:L-arginine 2-N-(2-hydroxy-3-oxopropyl) transferase (2-carboxyethyl-forming)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.5.1.66

CAS No.

250207-48-8

Reaction

D-glyceraldehyde 3-phosphate + L-arginine = N2-(2-carboxyethyl)-L-arginine + phosphate

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.