Creative Enzymes®

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 theclavulanic-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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.