Creative Enzymes®

succinylglutamate desuccinylase

Cat. No. EXWM-4488

Lot. No. (See product label)

Introduction

Description	Requires Co2+ for maximal activity. N2-Acetylglutamate is not a substrate. This is the final enzyme in the arginine succinyltransferase (AST) pathway for the catabolism of arginine. This pathway converts the carbon skeleton of arginine into glutamate, with the concomitant production of ammonia and conversion of succinyl-CoA into succinate and CoA. The five enzymes involved in this pathway are EC 2.3.1.109 (arginine N-succinyltransferase), EC 3.5.3.23 (N-succinylarginine dihydrolase), EC 2.6.1.11 (acetylornithine transaminase), EC 1.2.1.71 (succinylglutamate-semialdehyde dehydrogenase) and EC 3.5.1.96 (succinylglutamate desuccinylase).
Synonyms	N2-succinylglutamate desuccinylase; SGDS; AstE

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.5.1.96
CAS No.	99676-40-1
Reaction	N-succinyl-L-glutamate + H2O = succinate + L-glutamate
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 ℃.