arginine N-succinyltransferase

Cat. No. EXWM-2047

Lot. No. (See product label)

Introduction

Description	Also acts on L-ornithine. This is the first 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 2.6.1.81 (succinylornithine transaminase), EC 1.2.1.71 (succinylglutamate-semialdehyde dehydrogenase) and EC 3.5.1.96 (succinylglutamate desuccinylase).
Synonyms	arginine succinyltransferase; AstA; arginine and ornithine N2-succinyltransferase; AOST; AST; succinyl-CoA:L-arginine 2-N-succinyltransferase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.3.1.109
CAS No.	99676-48-9
Reaction	succinyl-CoA + L-arginine = CoA + N2-succinyl-L-arginine
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 ℃.