

## 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.