

## aspartate kinase

Cat. No. EXWM-3176

Lot. No. (See product label)

### Introduction

#### Description

The enzyme from *Escherichia coli* is a multifunctional protein, which also catalyses the reaction of EC 1.1.1.3 homoserine dehydrogenase. This is also the case for two of the four isoenzymes in *Arabidopsis thaliana*. The equilibrium constant strongly favours the reaction from right to left, i.e. the non-physiological direction of reaction.

#### Synonyms

aspartokinase; AK;  $\beta$ -aspartokinase; aspartic kinase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.7.2.4

#### CAS No.

9012-50-4

#### Reaction

ATP + L-aspartate = ADP + 4-phospho-L-aspartate

#### 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.