

## 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**  $\text{ATP} + \text{L-aspartate} = \text{ADP} + 4\text{-phospho-L-aspartate}$

**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.