

## aspartate-ammonia ligase (ADP-forming)

Cat. No. EXWM-5724

Lot. No. (See product label)

### Introduction

**Description** This enzyme belongs to the family of ligases, specifically those forming carbon-nitrogen bonds as acid-D-ammonia (or amine) ligases (amide synthases). This enzyme participates in nitrogen metabolism.

**Synonyms** asparagine synthetase (ADP-forming); asparagine synthetase (adenosine diphosphate-forming)

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 6.3.1.4

**CAS No.** 37318-61-9

**Reaction**  $\text{ATP} + \text{L-aspartate} + \text{NH}_3 = \text{ADP} + \text{phosphate} + \text{L-asparagine}$

**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.