

## shikimate kinase

Cat. No. EXWM-3101

Lot. No. (See product label)

### Introduction

**Description** Shikimate kinase (EC 2.7.1.71) is an enzyme that catalyzes the ATP-dependent phosphorylation of shikimate to form shikimate 3-phosphate. This reaction is the fifth step of the shikimate pathway, which is used by plants and bacteria to synthesize the common precursor of aromatic amino acids and secondary metabolites.

**Synonyms** shikimate kinase (phosphorylating); shikimate kinase II

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 2.7.1.71

**CAS No.** 9031-51-0

**Reaction**  $\text{ATP} + \text{shikimate} = \text{ADP} + 3\text{-phosphoshikimate}$

**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.