

## diacylglycerol kinase (ATP)

Cat. No. EXWM-2953

Lot. No. (See product label)

### Introduction

**Description** Involved in synthesis of membrane phospholipids and the neutral lipid triacylglycerol. Activity is stimulated by certain phospholipids. In plants and animals the product 1,2-diacyl-sn-glycerol 3-phosphate is an important second messenger. cf. EC 2.7.1.174, diacylglycerol kinase (CTP).

**Synonyms** diglyceride kinase (ambiguous); 1,2-diacylglycerol kinase (phosphorylating) (ambiguous); 1,2-diacylglycerol kinase (ambiguous); sn-1,2-diacylglycerol kinase (ambiguous); DG kinase (ambiguous); DGK (ambiguous); ATP:diacylglycerol phosphotransferase; arachidonoyl-specific diacylglycerol kinase; diacylglycerol:ATP kinase; ATP:1,2-diacylglycerol 3-phosphotransferase; diacylglycerol kinase (ATP dependent)

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 2.7.1.107

**CAS No.** 60382-71-0

**Reaction**  $\text{ATP} + 1,2\text{-diacyl-sn-glycerol} = \text{ADP} + 1,2\text{-diacyl-sn-glycerol 3-phosphate}$

**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.