

thiamine diphosphokinase

Cat. No. EXWM-3221

Lot. No. (See product label)

Introduction

Description This enzyme belongs to the family of transferases, specifically those transferring two phosphorus-containing groups (diphosphotransferases). The systematic name of this enzyme class is ATP:thiamine diphosphotransferase. Other names in common use include thiamin kinase, thiamine pyrophosphokinase, ATP:thiamin pyrophosphotransferase, thiamin pyrophosphokinase, thiamin pyrophosphotransferase, thiaminokinase, thiamin:ATP pyrophosphotransferase, and TPTase. This enzyme participates in thiamine metabolism.

Synonyms thiamin kinase; thiamine pyrophosphokinase; ATP:thiamin pyrophosphotransferase; thiamin pyrophosphokinase; thiamin pyrophosphotransferase; thiaminokinase; thiamin:ATP pyrophosphotransferase; TPTase

Product Information

Form Liquid or lyophilized powder

EC Number EC 2.7.6.2

CAS No. 9026-24-8

Reaction $\text{ATP} + \text{thiamine} = \text{AMP} + \text{thiamine diphosphate}$

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.