

phosphoenolpyruvate-protein phosphotransferase

Cat. No. EXWM-3189

Lot. No. (See product label)

Introduction

Description

Enzyme I of the phosphotransferase system (cf. EC 2.7.1.69 protein-N π -phosphohistidine-sugar phosphotransferase). Acts only on histidine residues in specific phosphocarrier proteins of low molecular mass (9.5 kDa) involved in bacterial sugar transport. A similar reaction, where the protein is the enzyme EC 2.7.9.2 pyruvate, water dikinase, is part of the mechanism of that enzyme.

Synonyms

phosphoenolpyruvate sugar phosphotransferase enzyme I; phosphopyruvate-protein factor phosphotransferase; phosphopyruvate-protein phosphotransferase; sugar-PEP phosphotransferase enzyme I; phosphoenolpyruvate:protein-L-histidine N-pros-phosphotransferase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.7.3.9

CAS No.

37278-17-4

Reaction

phosphoenolpyruvate + protein histidine = pyruvate + protein N π -phospho-L-histidine

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.