

phosphogluconate dehydrogenase (NADP+-dependent, decarboxylating)

Cat. No. EXWM-0329

Lot. No. (See product label)

Introduction

Description

The enzyme participates in the oxidative branch of the pentose phosphate pathway, whose main purpose is to produce NADPH and pentose for biosynthetic reactions. Highly specific for NADP+. cf. EC 1.1.1.343, phosphogluconate dehydrogenase (NADP+-dependent, decarboxylating).

Synonyms

phosphogluconic acid dehydrogenase; 6-phosphogluconic dehydrogenase; 6-phosphogluconic carboxylase; 6-phosphogluconate dehydrogenase (decarboxylating); 6-phospho-D-gluconate dehydrogenase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.1.44

CAS No.

9073-95-4

Reaction

6-phospho-D-gluconate + NADP+ = D-ribulose 5-phosphate + CO₂ + NADPH + H+

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.