

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 (NAD+-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.