

mannitol-1-phosphate 5-dehydrogenase

Cat. No. EXWM-0073

Lot. No. (See product label)

Introduction

Description

This enzyme belongs to the family of oxidoreductases, specifically those acting on the CH-OH group of donor with NAD⁺ or NADP⁺ as acceptor. The systematic name of this enzyme class is D-mannitol-1-phosphate:NAD⁺ 2-oxidoreductase. Other names in common use include hexose reductase, mannitol 1-phosphate dehydrogenase, D-mannitol-1-phosphate dehydrogenase, and fructose 6-phosphate reductase. This enzyme participates in fructose and mannose metabolism.

Synonyms

hexose reductase; mannitol 1-phosphate dehydrogenase; D-mannitol-1-phosphate dehydrogenase; fructose 6-phosphate reductase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.1.17

CAS No.

9028-24-4

Reaction

D-mannitol 1-phosphate + NAD⁺ = D-fructose 6-phosphate + NADH + 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.