

glucose 1-dehydrogenase (NAD+)

Cat. No. EXWM-0021

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-glucose:NAD⁺ 1-oxidoreductase. Other names in common use include D-glucose:NAD⁺ oxidoreductase, D-aldohexose dehydrogenase, and glucose 1-dehydrogenase (NAD⁺).

Synonyms

D-glucose:NAD oxidoreductase; D-aldohexose dehydrogenase; glucose 1-dehydrogenase (NAD)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.1.118

CAS No.

37250-49-0

Reaction

D-glucose + NAD⁺ = D-glucono-1,5-lactone + 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.