

D-xylose 1-dehydrogenase

Cat. No. EXWM-0078

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-xylose:NAD⁺ 1-oxidoreductase. Other names in common use include NAD⁺-D-xylose dehydrogenase, D-xylose dehydrogenase, and (NAD⁺)-linked D-xylose dehydrogenase. This enzyme participates in pentose and glucuronate interconversions.

Synonyms

NAD-D-xylose dehydrogenase; D-xylose dehydrogenase; (NAD)-linked D-xylose dehydrogenase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.1.175

CAS No.

62931-20-8

Reaction

D-xylose + NAD⁺ = D-xylonolactone + 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.