

aldose 1-dehydrogenase [NAD(P)+]

Cat. No. EXWM-0275

Lot. No. (See product label)

Introduction

Description

The enzyme from the archaeon *Sulfolobus solfataricus* shows broad specificity towards aldoses (D-glucose, D-galactose, D-xylose, L-arabinose, 6-deoxy-D-glucose, D-fucose) and can utilize NAD⁺ and NADP⁺ with similar catalytic efficiency. It is involved in aldose catabolism via the branched variant of the Entner-Doudoroff pathway.

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.1.359

Reaction

an aldopyranose + NAD(P)⁺ = an aldono-1,5-lactone + NAD(P)H + 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.