Creative Enzymes®

D-chiro-inositol 1-dehydrogenase

Cat. No. EXWM-0286

Lot. No. (See product label)

Introduction

Description	The enzyme, found in the bacterium Bacillus subtilis, also catalyses the reaction of EC 1.1.1.18, inositol 2-dehydrogenase, and can also use D-glucose and D-xylose. It shows trace activity with D-ribose and D-fructose. It is part of a myo-inositol/D-chiro-inositol degradation pathway leading to acetyl-CoA.
Synonyms	DCI 1-dehydrogenase; IolG

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.1.1.369
Reaction	1D-chiro-inositol + NAD+ = 2D-2,3,5/4,6-pentahydroxycyclohexanone + 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.