Creative Enzymes®

hydroxycyclohexanecarboxylate dehydrogenase

Cat. No. EXWM-0069

Lot. No. (See product label)

Introduction

Description	Acts on hydroxycyclohexanecarboxylates that have an equatorial carboxy group at C-1, an axial hydroxy group at C-3 and an equatorial hydroxy or carbonyl group at C-4, including (-)-quinate and (-)-shikimate.
Synonyms	dihydroxycyclohexanecarboxylate dehydrogenase; (-)t-3,t-4-dihydroxycyclohexane-c-1-carboxylate-NAD+ oxidoreductase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.1.1.166
CAS No.	55467-53-3
Reaction	(1S,3R,4S)-3,4-dihydroxycyclohexane-1-carboxylate + NAD+ = (1S,4S)-4-hydroxy-3-oxocyclohexane-1-carboxylate + 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 ℃.