

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 (-)-quinic and (-)-shikimate.

Synonyms

dihydroxycyclohexanecarboxylate dehydrogenase; (-)-3,4-dihydroxycyclohexanecarboxylate-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-dihydroxycyclohexanecarboxylate + NAD⁺ = (1S,4S)-4-hydroxy-3-oxocyclohexanecarboxylate + 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.