

## 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-dihydroxycyclohexane-1-carboxylate-NAD<sup>+</sup> 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<sup>+</sup> = (1S,4S)-4-hydroxy-3-oxocyclohexane-1-carboxylate + NADH + H<sup>+</sup>

**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.