

## homoisocitrate dehydrogenase

Cat. No. EXWM-0371

Lot. No. (See product label)

### Introduction

#### Description

Forms part of the lysine biosynthesis pathway in fungi.

#### Synonyms

2-hydroxy-3-carboxyadipate dehydrogenase; 3-carboxy-2-hydroxyadipate dehydrogenase; homoisocitric dehydrogenase; (-)-1-hydroxy-1,2,4-butanetricarboxylate:NAD<sup>+</sup> oxidoreductase (decarboxylating); 3-carboxy-2-hydroxyadipate:NAD<sup>+</sup> oxidoreductase (decarboxylating); HICDH

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.1.1.87

#### CAS No.

9067-90-7

#### Reaction

(1R,2S)-1-hydroxybutane-1,2,4-tricarboxylate + NAD<sup>+</sup> = 2-oxoadipate + CO<sub>2</sub> + 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.