

saccharopine dehydrogenase (NAD⁺, L-glutamate-forming)

Cat. No. EXWM-1536

Lot. No. (See product label)

Introduction

Description

The activities of this enzyme along with EC 1.5.1.8, saccharopine dehydrogenase (NADP⁺, L-lysine-forming), occur on a single protein.

Synonyms

dehydrogenase, saccharopine (nicotinamide adenine dinucleotide, glutamate-forming); saccharopin dehydrogenase; NAD⁺ oxidoreductase (L-2-aminoadipic-Δ-semialdehyde and glutamate forming); aminoadipic semialdehyde synthase; 6-N-(L-1,3-dicarboxypropyl)-L-lysine:NAD⁺ oxidoreductase (L-glutamate-forming)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.5.1.9

CAS No.

37256-26-1

Reaction

N6-(L-1,3-dicarboxypropyl)-L-lysine + NAD⁺ + H₂O = L-glutamate + (S)-2-amino-6-oxohexanoate + 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.