Creative Enzymes®

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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.