Creative Enzymes®

L-erythro-3,5-diaminohexanoate dehydrogenase

Cat. No. EXWM-1444

Lot. No. (See product label)

Introduction

Description	This enzyme belongs to the family of oxidoreductases, specifically those acting on the CH-NH2 group of donors with NAD+ or NADP+ as acceptor. The systematic name of this enzyme class is L-erythro-3,5-diaminohexanoate:NAD+ oxidoreductase (deaminating). This enzyme is also called L-3,5-diaminohexanoate dehydrogenase. This enzyme participates in lysine degradation.
Synonyms	L-3,5-diaminohexanoate dehydrogenase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.4.1.11
CAS No.	37377-90-5
Reaction	L-erythro-3,5-diaminohexanoate + H2O + NAD+ = (S)-5-amino-3-oxohexanoate + NH3 + 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 ℃.