Creative Enzymes®

diaminopimelate dehydrogenase

Cat. No. EXWM-1449

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 meso-2,6-diaminoheptanedioate:NADP+ oxidoreductase (deaminating). Other names in common use include meso-alpha,epsilon-diaminopimelate dehydrogenase, and meso-diaminopimelate dehydrogenase. This enzyme participates in lysine biosynthesis.
Synonyms	meso-α,ε-diaminopimelate dehydrogenase; meso-diaminopimelate dehydrogenase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.4.1.16
CAS No.	60894-21-5
Reaction	meso-2,6-diaminoheptanedioate + H2O + NADP+ = L-2-amino-6-oxoheptanedioate + NH3 + NADPH + 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 ℃.