

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- α , ϵ -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 °C for short term. For long term storage, store it at -20 °C~-80 °C.