

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