

D-lysopine dehydrogenase

Cat. No. EXWM-1497

Lot. No. (See product label)

Introduction

Description

In the reverse reaction, a number of L-amino acids can act instead of L-lysine, and 2-oxobutanoate and, to a lesser extent, glyoxylate can act instead of pyruvate.

Synonyms

D-lysopine synthase; lysopine dehydrogenase; D(+)-lysopine dehydrogenase; 2-N-(D-1-carboxyethyl)-L-lysine:NADP+ oxidoreductase (L-lysine-forming)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.5.1.16

CAS No.

65187-41-9

Reaction

$\text{N}^2\text{-(D-1-carboxyethyl)-L-lysine} + \text{NADP}^+ + \text{H}_2\text{O} = \text{L-lysine} + \text{pyruvate} + \text{NADPH} + \text{H}^+$

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.