Creative Enzymes®

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	N2-(D-1-carboxyethyl)-L-lysine + NADP+ + H2O = L-lysine + pyruvate + 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 ℃.