

saccharopine dehydrogenase (NADP+, L-lysine-forming)

Cat. No. EXWM-1535

Lot. No. (See product label)

Introduction

Description This enzyme belongs to the family of oxidoreductases, specifically those acting on the CH-NH group of donors with NAD⁺ or NADP⁺ as acceptor. This enzyme participates in lysine biosynthesis and lysine degradation.

Synonyms lysine-2-oxoglutarate reductase; lysine-ketoglutarate reductase; L-lysine- α -ketoglutarate reductase; lysine: α -ketoglutarate:TPNH oxidoreductase (ϵ -N-[gultaryl-2]-L-lysine forming); saccharopine (nicotinamide adenine dinucleotide phosphate, lysine-forming) dehydrogenase; 6-N-(L-1,3-dicarboxypropyl)-L-lysine:NADP⁺ oxidoreductase (L-lysine-forming)

Product Information

Form Liquid or lyophilized powder

EC Number EC 1.5.1.8

CAS No. 9031-19-0

Reaction N6-(L-1,3-dicarboxypropyl)-L-lysine + NADP⁺ + H₂O = L-lysine + 2-oxoglutarate + 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.