

glycerol 2-dehydrogenase (NADP+)

Cat. No. EXWM-0060

Lot. No. (See product label)

Introduction

Description

This enzyme belongs to the family of oxidoreductases, specifically those acting on the CH-OH group of donor with NAD⁺ or NADP⁺ as acceptor. The systematic name of this enzyme class is glycerol:NADP⁺ 2-oxidoreductase (glycerone-forming). Other names in common use include dihydroxyacetone reductase, dihydroxyacetone (reduced nicotinamide adenine dinucleotide, phosphate) reductase, dihydroxyacetone reductase (NADPH), DHA oxidoreductase, and glycerol 2-dehydrogenase (NADP⁺). This enzyme participates in glycerolipid metabolism.

Synonyms

dihydroxyacetone reductase; dihydroxyacetone (reduced nicotinamide adenine dinucleotide phosphate) reductase; dihydroxyacetone reductase (NADPH); DHA oxidoreductase; glycerol 2-dehydrogenase (NADP)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.1.156

CAS No.

39342-20-6

Reaction

glycerol + NADP⁺ = glycerone + 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.