

indole-3-acetaldehyde reductase (NADPH)

Cat. No. EXWM-0094

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 (indol-3-yl)ethanol:NADP⁺ oxidoreductase. Other names in common use include indoleacetaldehyde (reduced nicotinamide adenine dinucleotide, phosphate) reductase, indole-3-acetaldehyde reductase (NADPH), and indole-3-ethanol:NADP⁺ oxidoreductase. This enzyme participates in tryptophan metabolism.

Synonyms

indoleacetaldehyde (reduced nicotinamide adenine dinucleotide phosphate) reductase; indole-3-acetaldehyde reductase (NADPH); indole-3-ethanol:NADP⁺ oxidoreductase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.1.191

CAS No.

58875-05-1

Reaction

(indol-3-yl)ethanol + NADP⁺ = (indol-3-yl)acetaldehyde + 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.