Creative Enzymes®

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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.