

2-alkenal reductase (NADP+)

Cat. No. EXWM-1274

Lot. No. (See product label)

Introduction

Description

Shows highest activity with 1-nitrocyclohexene but also has significant activity with 2-methylpentenal and trans-cinnamaldehyde. Involved in the detoxication of α,β -unsaturated aldehydes and ketones. Has very low activity with NAD as reductant (cf. EC 1.3.1.74, 2-alkenal reductase [NAD(P)+]).

Synonyms

NADPH-dependent alkenal/one oxidoreductase; NADPH:2-alkenal α,β -hydrogenase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.3.1.102

Reaction

an n-alkanal + NADP+ = an alk-2-enal + 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.