

2-dehydropantolactone reductase (Re-specific)

Cat. No. EXWM-0071

Lot. No. (See product label)

Introduction

Description

The yeast enzyme differs from that from Escherichia coli [EC 1.1.1.214 2-dehydropantolactone reductase (Si-specific)], which is specific for the Si-face of NADP⁺, and in receptor requirements from EC 1.1.99.26 3-hydroxycyclohexanone dehydrogenase.

Synonyms

2-oxopantoyl lactone reductase; ketopantoyl lactone reductase; 2-ketopantoyl lactone reductase; 2-dehydropantoyl-lactone reductase (A-specific); (R)-pantolactone:NADP⁺ oxidoreductase (A-specific); 2-dehydropantolactone reductase (A-specific)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.1.168

CAS No.

37211-75-9

Reaction

(R)-pantolactone + NADP⁺ = 2-dehydropantolactone + 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.