Creative Enzymes®

2-dehydropantolactone reductase

Cat. No. EXWM-0274

Lot. No. (See product label)

Introduction

Description	The enzyme participates in an alternative pathway for biosynthesis of (R)-pantothenate (vitamin B5). This entry covers enzymes whose stereo specificity for NADP+ is not known. cf. EC 1.1.1.168 2-dehydropantolactone reductase (Re-specific) and EC 1.1.1.214, 2-dehydropantolactone reductase (Si-specific).
Synonyms	2-oxopantoyl lactone reductase; 2-ketopantoyl lactone reductase; ketopantoyl lactone reductase; 2-dehydropantoyl-lactone reductase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.1.1.358
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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.