Creative Enzymes®

4-hydroxy-tetrahydrodipicolinate reductase

Cat. No. EXWM-1084

Lot. No. (See product label)

Introduction

Description	Studies of the enzyme from the bacterium Escherichia coli have shown that the enzyme accepts (2S,4S)-4-hydroxy-2,3,4,5-tetrahydrodipicolinate and not (S)-2,3-dihydrodipicolinate as originally thought.
Synonyms	dihydrodipicolinate reductase (incorrect); dihydrodipicolinic acid reductase (incorrect); 2,3,4,5-tetrahydrodipicolinate:NAD(P)+ oxidoreductase (incorrect); dapB (gene name)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.17.1.8
Reaction	(S)-2,3,4,5-tetrahydropyridine-2,6-dicarboxylate + NAD(P)+ + H2O = (2S,4S)-4-hydroxy-2,3,4,5-tetrahydrodipicolinate + NAD(P)H + 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 ℃.