Creative Enzymes®

(R)-mandelate dehydrogenase

Cat. No. EXWM-0297

Lot. No. (See product label)

Introduction

Description	The enzyme, found in bacteria and fungi, can also accept a number of substituted mandelate derivatives, such as 3-hydroxymandelate, 4-hydroxymandelate, 2-methoxymandelate, 4-hydroxy-3-methoxymandelate and 3-hydroxy-4-methoxymandelate. The enzyme has no activity with (S)-mandelate (cf. EC 1.1.99.31, (S)-mandelate dehydrogenase). The enzyme transfers the pro-R-hydrogen from NADH.
Synonyms	ManDH2; D-ManDH2; D-mandelate dehydrogenase (ambiguous)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.1.1.379
Reaction	(R)-mandelate + NAD+ = phenylglyoxylate + NADH + 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 ℃.