Creative Enzymes®

uronate dehydrogenase

Cat. No. EXWM-0108

Lot. No. (See product label)

Introduction

Description	Requires Mg2+. The enzyme, characterized from the bacterium Agrobacterium fabrum, participates in oxidative degradation pathways for galacturonate and glucuronate. The enzyme can only accept the β anomeric form of the substrate. The 1,5-lactone product is rather stable at cytosolic pH and does not hydrolyse spontaneously at a substantial rate.
Synonyms	uronate:NAD-oxidoreductase; uronic acid dehydrogenase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.1.1.203
CAS No.	37250-98-9
Reaction	(1) β-D-galacturonate + NAD+ = D-galactaro-1,5-lactone + NADH + H+; (2) β-D-glucuronate + NAD+ = D-glucaro-1,5-lactone + 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 ℃.