

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 °C for short term. For long term storage, store it at -20 °C~-80 °C.