

renalase

Cat. No. EXWM-1587

Lot. No. (See product label)

Introduction

Description

Requires FAD. Renalase, previously thought to be a hormone, is a flavoprotein secreted into the blood by the kidney that oxidizes the 1,2-dihydro- and 1,6-dihydro- isomeric forms of β -NAD(P)H back to β -NAD(P)+. These isomeric forms, generated by nonspecific reduction of β -NAD(P)+ or by tautomerization of β -NAD(P)H, are potent inhibitors of primary metabolism dehydrogenases and pose a threat to normal respiration.

Synonyms

α NAD(P)H oxidase/anomerase (incorrect); NAD(P)H:oxygen oxidoreductase (H₂O₂-forming, epimerising) (incorrect)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.6.3.5

Reaction

(1) 1,2-dihydro- β -NAD(P) + H+ + O₂ = β -NAD(P)+ + H₂O₂; (2) 1,6-dihydro- β -NAD(P) + H+ + O₂ = β -NAD(P)+ + H₂O₂

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.