

decaprenylphospho-β-D-ribofuranose 2-dehydrogenase

Cat. No. EXWM-0440

Lot. No. (See product label)

Introduction

Description

The enzyme, isolated from the bacterium *Mycobacterium smegmatis*, is involved, along with EC 1.1.1.333, decaprenylphospho-D-erythro-pentofuranosid-2-ulose 2-reductase, in the epimerization of trans,octacis-decaprenylphospho-β-D-ribofuranose to trans,octacis-decaprenylphospho-β-D-arabinofuranose, the arabinosyl donor for the biosynthesis of mycobacterial cell wall arabinan polymers.

Synonyms

decaprenylphosphoryl-β-D-ribofuranose 2'-epimerase; Rv3790; DprE1; decaprenylphospho-β-D-ribofuranose 2-oxidase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.98.3

Reaction

trans,octacis-decaprenylphospho-β-D-ribofuranose + FAD = trans,octacis-decaprenylphospho-β-D-erythro-pentofuranosid-2-ulose + FADH₂

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.