

2-deoxy-scylo-inosamine dehydrogenase

Cat. No. EXWM-0242

Lot. No. (See product label)

Introduction

Description

Requires zinc. Involved in the biosynthetic pathways of several clinically important aminocyclitol antibiotics, including kanamycin, neomycin and ribostamycin. cf. EC 1.1.99.38, 2-deoxy-scylo-inosamine dehydrogenase (AdoMet-dependent).

Synonyms

neoA (gene name); kanK (gene name, ambiguous); kanE (gene name, ambiguous)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.1.329

Reaction

2-deoxy-scylo-inosamine + NAD(P)⁺ = 3-amino-2,3-dideoxy-scylo-inosose + NAD(P)H + 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.