

2-deoxy-scylo-inosamine dehydrogenase (AdoMet-dependent)

Cat. No. EXWM-0466

Lot. No. (See product label)

Introduction

Description

Involved in the biosynthetic pathway of the aminoglycoside antibiotics of the butirosin family. The enzyme from *Bacillus circulans* was shown to be a radical S-adenosyl-L-methionine (SAM) enzyme. cf. EC 1.1.1.329, 2-deoxy-scylo-inosamine dehydrogenase.

Synonyms

btrN (gene name); 2-deoxy-scylo-inosamine dehydrogenase (SAM-dependent)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.99.38

Reaction

2-deoxy-scylo-inosamine + S-adenosyl-L-methionine = 3-amino-2,3-dideoxy-scylo-inosose + 5'-deoxyadenosine + L-methionine

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.