

demethyl-4-deoxygadusol synthase

Cat. No. EXWM-5169

Lot. No. (See product label)

Introduction

Description

The enzyme, characterized from the cyanobacterium *Nostoc punctiforme* PCC 73102, is involved in the biosynthesis of the sunscreen compound shinorine. It requires a divalent metal ion (Zn^{2+} or Co^{2+}) and an NAD^+ cofactor, which is transiently reduced during the reaction. cf. EC 4.2.3.152, 2-epi-5-epi-valiolone synthase and EC 4.2.3.155, 2-epi-valiolone synthase.

Synonyms

Nos2 (gene name); Anb2 (gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 4.2.3.154

Reaction

D-sedoheptulose 7-phosphate = demethyl-4-deoxygadusol + phosphate + H_2O

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.