

nocardicin A epimerase

Cat. No. EXWM-5372

Lot. No. (See product label)

Introduction

Description

Requires pyridoxal 5'-phosphate. The enzyme, characterized from the bacterium *Nocardia uniformis*, is involved in the biosynthesis of the monolactam antibiotic nocardicin A. It catalyses the epimerization of the amino group at position 9' from (S)- configuration to (R)-. The enzyme can act on both isonocardicin A and isonocardicin C, but the in vivo substrate appears to be the latter.

Synonyms

isonocardicin A epimerase; nocJ (gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 5.1.1.14

CAS No.

118246-75-6

Reaction

(1) isonocardicin C = nocardicin C; (2) isonocardicin A = nocardicin A

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.