Creative Enzymes®

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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.