

protoasukamycin 4-monooxygenase

Cat. No. EXWM-0817

Lot. No. (See product label)

Introduction

Description

The enzyme, characterized from the bacterium *Streptomyces nodosus* subsp. *asukaensis*, is involved in the biosynthesis of the antibiotic asukamycin. Requires a flavin cofactor, with no preference among FMN, FAD or riboflavin. When flavin concentration is low, activity is enhanced by the presence of the NADH-dependent flavin-reductase AsuE2.

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.14.13.215

Reaction

protoasukamycin + NADH + H⁺ + O₂ = 4-hydroxyprotoasukamycin + NAD⁺ + H₂O

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.