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