

## 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<sup>+</sup> + O<sub>2</sub> = 4-hydroxyprotoasukamycin + NAD<sup>+</sup> + H<sub>2</sub>O

**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.