

## paromamine 6'-oxidase

Cat. No. EXWM-0416

Lot. No. (See product label)

### Introduction

#### Description

Contains FAD. Involved in the biosynthetic pathways of several clinically important aminocyclitol antibiotics, including kanamycin, butirosin, neomycin and ribostamycin. Works in combination with EC 2.6.1.93, neamine transaminase, to replace the 6'-hydroxy group of paromamine with an amino group. The enzyme from the bacterium *Streptomyces fradiae* also catalyses EC 1.1.3.44, 6'''-hydroxynemomycin C oxidase.

#### Synonyms

btrQ (gene name); neoG (gene name); kanI (gene name); tacB (gene name); neoQ (obsolete gene name)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.1.3.43

#### Reaction

paromamine + O<sub>2</sub> = 6'-dehydroparomamine + H<sub>2</sub>O<sub>2</sub>

#### 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.