

6'''-hydroxyneomycin C oxidase

Cat. No. EXWM-0417

Lot. No. (See product label)

Introduction

Description

Contains FAD. Involved in the biosynthetic pathway of aminoglycoside antibiotics of the neomycin family. Works in combination with EC 2.6.1.95, neomycin C transaminase, to replace the 6'''-hydroxy group of 6'''-hydroxyneomycin C with an amino group. Also catalyses EC 1.1.3.43, paromamine 6'-oxidase.

Synonyms

neoG (gene name); neoQ (obsolete gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.3.44

Reaction

6'''-deamino-6'''-hydroxyneomycin C + O₂ = 6'''-deamino-6'''-oxoneomycin C + H₂O₂

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.