

kanamycin B dioxygenase

Cat. No. EXWM-0655

Lot. No. (See product label)

Introduction

Description

Requires Fe²⁺ and ascorbate. Found in the bacterium *Streptomyces kanamyceticus* where it is involved in the conversion of the aminoglycoside antibiotic kanamycin B to kanamycin A.

Synonyms

kanJ (gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.14.11.37

Reaction

kanamycin B + 2-oxoglutarate + O₂ = 2'-dehydrokanamycin A + succinate + NH₃ + CO₂

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.