

aklavinone 12-hydroxylase

Cat. No. EXWM-0779

Lot. No. (See product label)

Introduction

Description

The enzymes from the Gram-positive bacteria *Streptomyces peucetius* and *Streptomyces purpurascens* participate in the biosynthesis of daunorubicin, doxorubicin and rhodomycins. The enzyme from *Streptomyces purpurascens* is an FAD monooxygenase.

Synonyms

DnrF; RdmE; aklavinone 11-hydroxylase (incorrect)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.14.13.180

Reaction

aklavinone + NADPH + H⁺ + O₂ = ε-rhodomycinone + NADP⁺ + 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.