

pentalenolactone D synthase

Cat. No. EXWM-0768

Lot. No. (See product label)

Introduction

Description

A FAD-dependent oxygenase. Isolated from the bacteria *Streptomyces exfoliatus* and *Streptomyces arenae*. The ketone undergoes a biological Baeyer-Villiger reaction. Part of the pathway of pentalenolactone biosynthesis.

Synonyms

penE (gene name); pntE (gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.14.13.170

Reaction

1-deoxy-11-oxopentalenate + NADPH + H⁺ + O₂ = pentalenolactone D + 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.