

violacein synthase

Cat. No. EXWM-0827

Lot. No. (See product label)

Introduction

Description

The enzyme, characterized from the bacterium *Chromobacterium violaceum*, participates in the biosynthesis of the violet pigment violacein. The products, violaceinate and deoxyviolaceinate, undergo non-enzymic autooxidation into violacein and deoxyviolacein, respectively.

Synonyms

proviolaceinate monooxygenase; vioC (gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.14.13.224

Reaction

(1) protoviolaceinate + NAD(P)H + O₂ = violaceinate + NAD(P)⁺ + H₂O; (2)
protodeoxyviolaceinate + NAD(P)H + O₂ = deoxyviolaceinate + NAD(P)⁺ + 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.