

protodeoxyviolaceinate monooxygenase

Cat. No. EXWM-0819

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 product, protoviolaceinate, can be acted upon by EC 1.14.13.224, violacein synthase, leading to violacein production. However, it is very labile, and in the presence of oxygen can undergo non-enzymic autooxidation to the shunt product proviolacein.

Synonyms vioD (gene name); protoviolaceinate synthase

Product Information

Form Liquid or lyophilized powder

EC Number EC 1.14.13.217

Reaction protodeoxyviolaceinate + NAD(P)H + O₂ = protoviolaceinate + 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.