

pulcherriminic acid synthase

Cat. No. EXWM-0938

Lot. No. (See product label)

Introduction

Description A heme-thiolate (P-450) enzyme from the bacterium *Bacillus subtilis*. The order of events during the overall reaction is unknown. Pulcherriminic acid spontaneously forms an iron chelate with Fe(3+) to form the red pigment pulcherrimin.

Synonyms cyclo-L-leucyl-L-leucyl dipeptide oxidase; CYP134A1; CypX (ambiguous)

Product Information

Form Liquid or lyophilized powder

EC Number EC 1.14.15.13

Reaction $\text{cyclo(L-leucyl-L-leucyl)} + 6 \text{ reduced ferredoxin} + 3 \text{ O}_2 = \text{pulcherriminic acid} + 6 \text{ oxidized ferredoxin} + 4 \text{ H}_2\text{O}$

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.