

linalool 8-monooxygenase

Cat. No. EXWM-0751

Lot. No. (See product label)

Introduction

Description A heme-thiolate protein (P-450). The secondary electron donor is a specific [2Fe-2S] ferredoxin from the same bacterial strain.

Synonyms P-450lin; CYP111

Product Information

Form Liquid or lyophilized powder

EC Number EC 1.14.13.151

Reaction linalool + 2 NADH + 2 H⁺ + 2 O₂ = (6E)-8-oxolinalool + 2 NAD⁺ + 3 H₂O (overall reaction); (1a) linalool + NADH + H⁺ + O₂ = (6E)-8-hydroxylinalool + NAD⁺ + H₂O; (1b) (6E)-8-hydroxylinalool + NADH + H⁺ + O₂ = (6E)-8-oxolinalool + NAD⁺ + 2 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.