

pentalenene oxygenase

Cat. No. EXWM-0732

Lot. No. (See product label)

Introduction

Description A heme-thiolate protein (P-450). The enzyme is involved in the biosynthesis of pentalenolactone and related antibiotics.

Synonyms PtlI

Product Information

Form Liquid or lyophilized powder

EC Number EC 1.14.13.133

Reaction pentalenene + 2 NADPH + 2 H⁺ + 2 O₂ = pentalen-13-al + 2 NADP⁺ + 3 H₂O (overall reaction); (1a) pentalenene + NADPH + H⁺ + O₂ = pentalen-13-ol + NADP⁺ + H₂O; (1b) pentalen-13-ol + NADPH + H⁺ + O₂ = pentalen-13-al + NADP⁺ + 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.