

8-hydroxygeraniol dehydrogenase

Cat. No. EXWM-0237

Lot. No. (See product label)

Introduction

Description Contains Zn²⁺. The enzyme catalyses the oxidation of (6E)-8-hydroxygeraniol to (6E)-8-oxogeranial via either (6E)-8-hydroxygeranial or (6E)-8-oxogeranial. Also acts on geraniol, nerol and citronellol. May be identical to EC 1.1.1.183 geraniol dehydrogenase. The recommended numbering of geraniol gives 8-hydroxygeraniol as the substrate rather than 10-hydroxygeraniol as used by references 1 and 2. See prenol nomenclature Pr-1.

Synonyms 8-hydroxygeraniol oxidoreductase; CYP76B10; G10H; CrG10H; SmG10H; acyclic monoterpene primary alcohol:NADP+ oxidoreductase

Product Information

Form Liquid or lyophilized powder

EC Number EC 1.1.1.324

Reaction (6E)-8-hydroxygeraniol + 2 NADP+ = (6E)-8-oxogeranial + 2 NADPH + 2 H+ (overall reaction); (1a) (6E)-8-hydroxygeraniol + NADP+ = (6E)-8-hydroxygeranial + NADPH + H+; (1b) (6E)-8-hydroxygeraniol + NADP+ = (6E)-8-oxogeranial + NADPH + H+; (1c) (6E)-8-hydroxygeranial + NADP+ = (6E)-8-oxogeranial + NADPH + H+; (1d) (6E)-8-oxogeraniol + NADP+ = (6E)-8-oxogeranial + NADPH + H+

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.