

ent-kaurene oxidase

Cat. No. EXWM-0885

Lot. No. (See product label)

Introduction

Description

Requires cytochrome P-450. Catalyses three successive oxidations of the 4-methyl group of ent-kaurene giving kaurenoic acid.

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.14.13.78

CAS No.

149565-67-3

Reaction

ent-kaur-16-ene + 3 NADPH + 3 H⁺ + 3 O₂ = ent-kaur-16-en-19-oate + 3 NADP⁺ + 4 H₂O (overall reaction); (1a) ent-kaur-16-ene + NADPH + H⁺ + O₂ = ent-kaur-16-en-19-ol + NADP⁺ + H₂O; (1b) ent-kaur-16-en-19-ol + NADPH + H⁺ + O₂ = ent-kaur-16-en-19-al + NADP⁺ + 2 H₂O; (1c) ent-kaur-16-en-19-al + NADPH + O₂ = ent-kaur-16-en-19-oate + NADP⁺ + 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.