

β-amyrin 11-oxidase

Cat. No. EXWM-0733

Lot. No. (See product label)

Introduction

Description

Requires cytochrome P-450. Part of the glycyrrhizin biosynthesis pathway. The enzyme is also able to oxidize 30-hydroxy-β-amyrin to 11α,30-dihydroxy-β-amyrin but this is not thought to be part of glycyrrhizin biosynthesis.

Synonyms

CYP88D6

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.14.13.134

Reaction

β-amyrin + 2 O₂ + 2 NADPH + 2 H⁺ = 11-oxo-β-amyrin + 3 H₂O + 2 NADP⁺ (overall reaction); (1a) β-amyrin + O₂ + NADPH + H⁺ = 11α-hydroxy-β-amyrin + H₂O + NADP⁺; (1b) 11α-hydroxy-β-amyrin + O₂ + NADPH + H⁺ = 11-oxo-β-amyrin + 2 H₂O + NADP⁺

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.