Creative Enzymes®

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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.