

β-amyrin 28-monooxygenase

Cat. No. EXWM-0803

Lot. No. (See product label)

Introduction

Description The enzyme, found in plants, is involved in the biosynthesis of oleanane-type triterpenoids, such as ginsenoside Ro. The enzyme from *Medicago trunculata* (CYP716A12) can also convert α-amyrin and lupeol to ursolic acid and betulinic acid, respectively.

Synonyms CYP716A52v2; CYP716A12; β-amyrin 28-oxidase

Product Information

Form Liquid or lyophilized powder

EC Number EC 1.14.13.201

Reaction β-amyrin + 3 O₂ + 3 NADPH + 3 H⁺ = oleanolate + 3 NADP⁺ + 4 H₂O (overall reaction); (1a) β-amyrin + O₂ + NADPH + H⁺ = erythrodiol + NADP⁺ + H₂O; (1b) erythrodiol + O₂ + NADPH + H⁺ = oleanolic aldehyde + NADP⁺ + 2 H₂O; (1c) oleanolic aldehyde + O₂ + NADPH + H⁺ = oleanolate + 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.