

11-oxo-β-amyrin 30-oxidase

Cat. No. EXWM-0771 Lot. No. (See product label)

Introduction	
Description Synonyms	A heme-thiolate protein (cytochrome P-450). The enzyme is involved in the biosynthesis of the triterpenoid saponin glycyrrhizin in the plant Glycyrrhiza uralensis (licorice). The enzyme from the plant Medicago truncatula can also hydroxylate β -amyrin.
Product Information	
Form	Liquid or lyophilized powder
EC Number	EC 1.14.13.173
Reaction	11-oxo- β -amyrin + 3 O2 + 3 NADPH + 3 H+ = glycyrrhetinate + 3 NADP+ + 4 H2O (overall reaction); (1a) 11-oxo- β -amyrin + O2 + NADPH + H+ = 30-hydroxy-11-oxo- β -amyrin + NADP+ + H2O; (1b) 30-hydroxy-11-oxo- β -amyrin + O2 + NADPH + H+ = glycyrrhetaldehyde + NADP+ + 2 H2O; (1c) glycyrrhetaldehyde + O2 + NADPH + H+ = glycyrrhetinate + 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 \sim -80 °C.