Creative Enzymes®

cholesterol oxidase

Cat. No. EXWM-0424

Lot. No. (See product label)

Introduction

Description	Contains FAD. Cholesterol oxidases are secreted bacterial bifunctional enzymes that catalyse the first two steps in the degradation of cholesterol. The enzyme catalyses the oxidation of the 3β-hydroxyl group to a keto group, and the isomerization of the double bond in the oxidized steroid ring system from the Δ5 position to Δ6 position (cf. EC 5.3.3.1, steroid Δ-isomerase).
Synonyms	cholesterol- O2 oxidoreductase; 3β-hydroxy steroid oxidoreductase; 3β-hydroxysteroid:oxygen oxidoreductase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.1.3.6
CAS No.	9028-76-6
Reaction	cholesterol + O2 = cholest-5-en-3-one + H2O2
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 ℃.