

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 3 β -hydroxyl group to a keto group, and the isomerization of the double bond in the oxidized steroid ring system from the Δ 5 position to Δ 6 position (cf. EC 5.3.3.1, steroid Δ -isomerase).

Synonyms cholesterol- O2 oxidoreductase; 3 β -hydroxy steroid oxidoreductase; 3 β -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 °C for short term. For long term storage, store it at -20 °C~-80 °C.