

## Cholesterol oxidase, Microorganism

Cat. No.:	HY-P2848	
CAS No.:	9028-76-6	
Target:	Endogenous Metabolite	
Pathway:	Metabolic Enzyme/Protease	Cholesterol oxidase, Microorganism
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.	

### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : ≥ 50 mg/mL

\* "≥" means soluble, but saturation unknown.

### BIOLOGICAL ACTIVITY

#### Description

Cholesterol oxidase, Microorganism (ChOx) is a bacterial flavin oxidase containing FAD, commonly used in biochemical research. Cholesterol oxidase catalyzes the oxidation of the C(3)-OH group of cholesterol (and other sterols) to cholest-5-en-3-one and isomerizes it to cholest-4-en-3-one<sup>[1]</sup>.

### REFERENCES

[1]. Loredano Pollegioni, et al. Cholesterol oxidase: biotechnological applications. FEBS J. 2009 Dec;276(23):6857-70.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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