Creative Enzymes®

aldehyde oxidase

Cat. No. EXWM-1206

Lot. No. (See product label)

Introduction

Description	Contains molybdenum, [2Fe-2S] centres and FAD. The enzyme from liver exhibits a broad substrate specificity, and is involved in the metabolism of xenobiotics, including the oxidation of N-heterocycles and aldehydes and the reduction of N-oxides, nitrosamines, hydroxamic acids, azo dyes, nitropolycyclic aromatic hydrocarbons, and sulfoxides.The enzyme is also responsible for the oxidation of retinal, an activity that was initially attributed to a distinct enzyme (EC 1.2.3.11, retinal oxidase).
Synonyms	quinoline oxidase; retinal oxidase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.2.3.1
CAS No.	9029-07-6
Reaction	an aldehyde + H2O + O2 = a carboxylate + 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 ℃.