

Native Candida sp. Alcohol oxidase

Cat. No. DIA-123

Lot. No. (See product label)

Introduction

Description In enzymology, an alcohol oxidase (EC 1.1.3.13) is an enzyme that catalyzes the chemical reaction a primary alcohol + O₂ ⇌ an aldehyde + H₂O₂. Thus, the two substrates of this enzyme are primary alcohol and O₂, whereas its two products are aldehyde and H₂O₂. This enzyme belongs to the family of oxidoreductases, specifically those acting on the CH-OH group of donor with oxygen as acceptor.

Applications Useful for enzymatic determination of blood alcohol.

Synonyms ethanol oxidase; alcohol oxidase; EC 1.1.3.13; Methanol oxidase; 9073-63-6

Product Information

Source Candida sp.

Form Light yellow powder

EC Number EC 1.1.3.13

CAS No. 9073-63-6

Activity 7~20 U/mg

pH Stability 6.0-9.5 (37°C, 60 mins)

Thermal stability Stable at 40°C and below (pH 7.5, 10 mins)

Storage and Shipping Information

Storage Store in tightly closed containers, desiccated, protected from light, at -20°C.