Creative Enzymes®

thiamine oxidase

Cat. No. EXWM-0404

Lot. No. (See product label)

Introduction

Description	A flavoprotein (FAD). The product differs from thiamine in replacement of -CH2.CH2.OH by -CH2.COOH; the two-step oxidation proceeds without the release of the intermediate aldehyde from the enzyme.
Synonyms	thiamin dehydrogenase; thiamine dehydrogenase; thiamin:oxygen 5-oxidoreductase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.1.3.23
CAS No.	96779-44-1
Reaction	thiamine + 2 O2 + H2O = thiamine acetic acid + 2 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 ℃.