Creative Enzymes®

Monoamine Oxidase (Crude Enzyme)

Cat. No. NATE-1808

Lot. No. (See product label)

Introduction

Description	L-Monoamine oxidases (MAO) are a family of enzymes that catalyze the oxidation of monoamines. They are found bound to the outer membrane of mitochondria in most cell types in the body. The enzyme was originally discovered by Mary Bernheim in the liver and was named tyramine oxidase. They belong to the protein family of flavin-containing amine oxidoreductases. This product with the indicated enzyme activity was briefly purified from engineered E. coli.
Applications	synthesis; drug development; analysis; medicine
Synonyms	equilase; caperase; optidase; catalase-peroxidase; CAT

Product Information

Source	E. coli
Appearance	Clear to translucent yellow solution
EC Number	EC 1.4.3.4
CAS No.	9001-66-5
Activity	Undetermined
Reaction	RCH2NHR' + H 2 O + O 2 = RCHO + R'NH 2 + H 2 O 2
Notes	Since this product needs to be freshly prepared, it will take about 2 weeks after you confirm the order. Each time of the freeze-thawing may cause partial inactivation. Therefore, it should be dispensed as required and stored at -20 ° C or lower. With the preservation of the extension of time, the enzyme activity will decline to a certain extent, so the product should be used as soon as possible. This product may have turbidity or precipitation in the production and preservation process, it can be mixed after melting and will not affect the normal use. This product is limited to scientific research use, shall not be used for clinical diagnosis or treatment, shall not be used for food or medicine, shall not be stored in ordinary residential. For your safety and health, please wear an experimental suit and wear disposable gloves.

Usage and Packaging

Package	100ml

Storage and Shipping Information

Storage	at -20 °C or lower, for at least 1 month.