monoamine oxidase

Cat. No. EXWM-1481

Lot. No. (See product label)

Introduction

Description	A mitochondrial outer-membrane flavoprotein (FAD) that catalyses the oxidative deamination of neurotransmitters and biogenic amines. Acts on primary amines, and also on some secondary and tertiary amines. It differs from EC 1.4.3.21, primary-amine oxidase as it can oxidize secondary and tertiary amines but not methylamine. This enzyme is inhibited byacetylenic compounds such as chlorgyline, 1-deprenyl and pargyline but, unlike EC 1.4.3.21 and EC 1.4.3.22 (diamine oxidase), it is not inhibited by semicarbazide.
Synonyms	adrenalin oxidase; adrenaline oxidase; amine oxidase (ambiguous); amine oxidase (flavin-containing); amine:oxygen oxidoreductase (deaminating) (flavin-containing); epinephrine oxidase; MAO; MAO A; MAO B; MAO-A; MAO-B; monoamine oxidase A; monoamine oxidase B; monoamine:O2 oxidoreductase (deaminating); polyamine oxidase (ambiguous); serotonin deaminase; spermidine oxidase (ambiguous); spermine oxidase (ambiguous); tyraminase; tyramine oxidase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.4.3.4
CAS No.	9001-66-5
Reaction	RCH2NHR' + H2O + O2 = RCHO + R'NH2 + 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 ℃.