Creative Enzymes®

diamine oxidase

Cat. No. EXWM-1477

Lot. No. (See product label)

Introduction

Description	A group of enzymes that oxidize diamines, such as histamine, and also some primary monoamines but have little or no activity towards secondary and tertiary amines. They are copper quinoproteins (2,4,5-trihydroxyphenylalanine quinone) and, like EC 1.4.3.21 (primary-amine oxidase) but unlike EC 1.4.3.4 (monoamine oxidase), they are sensitive to inhibition by carbonyl-group reagents, such as semicarbazide.
Synonyms	amine oxidase (ambiguous); amine oxidase (copper-containing) (ambiguous); CAO (ambiguous); Cu-containing amine oxidase (ambiguous); copper amine oxidase (ambiguous); diamine oxidase (ambiguous); diamino oxhydrase (ambiguous); histaminase; histamine deaminase (incorrect); semicarbazide-sensitive amine oxidase (incorrect); SSAO (incorrect)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.4.3.22
Reaction	histamine + H2O + O2 = (imidazol-4-yl)acetaldehyde+ NH3 + 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 ℃.