

## protein-lysine 6-oxidase

Cat. No. EXWM-1469

Lot. No. (See product label)

### Introduction

#### Description

Also acts on protein 5-hydroxylysine. This enzyme catalyses the final known enzymic step required for collagen and elastin cross-linking in the biosynthesis of normal mature extracellular matrices. These reactions play an important role for the development, elasticity and extensibility of connective tissue. The enzyme is also active on free amines, such as cadaverine or benzylamine.

#### Synonyms

lysyl oxidase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.4.3.13

#### CAS No.

99676-44-5

#### Reaction

[protein]-L-lysine + O<sub>2</sub> + H<sub>2</sub>O = [protein]-(S)-2-amino-6-oxohexanoate + NH<sub>3</sub> + H<sub>2</sub>O<sub>2</sub>

#### 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.