

## L-lysine 6-oxidase

Cat. No. EXWM-1475

Lot. No. (See product label)

### Introduction

#### Description

Differs from EC 1.4.3.13, protein-lysine 6-oxidase, by using free L-lysine rather than the protein-bound form. N2-Acetyl-L-lysine is also a substrate, but N6-acetyl-L-lysine, which has an acetyl group at position 6, is not a substrate. Also acts on L-ornithine, D-lysine and 4-hydroxy-L-lysine, but more slowly. The amines cadaverine and putrescine are not substrates.

#### Synonyms

L-lysine-ε-oxidase; Lod; LodA; marinocine

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.4.3.20

#### CAS No.

1116448-48-6

#### Reaction

$\text{L-lysine} + \text{O}_2 + \text{H}_2\text{O} = (\text{S})\text{-2-amino-6-oxohexanoate} + \text{H}_2\text{O}_2 + \text{NH}_3$

#### 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.