Creative Enzymes®

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	L-lysine + O2 + H2O = (S)-2-amino-6-oxohexanoate + H2O2 + NH3
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 ℃.