Creative Enzymes®

nitroalkane oxidase

Cat. No. EXWM-1624

Lot. No. (See product label)

Introduction

Description	Has an absolute requirement for FAD. While nitroethane may be the physiological substrate, the enzyme also acts on several other nitroalkanes, including 1-nitropropane, 2-nitropropane, 1-nitrobutane, 1-nitropentane, 1-nitrohexane, nitrocyclohexane and some nitroalkanols. Differs from EC 1.13.11.16, nitronate monooxygenase, in that the preferred substrates are neutral nitroalkanes rather than anionic nitronates.
Synonyms	nitroethane oxidase; NAO; nitroethane:oxygen oxidoreductase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.7.3.1
CAS No.	9029-36-1, 65802-82-6
Reaction	a nitroalkane + H2O + O2 = an aldehyde or ketone + nitrite + 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 ℃.