Creative Enzymes®

aliphatic aldoxime dehydratase

Cat. No. EXWM-5362

Lot. No. (See product label)

Introduction

Description	The enzyme from Pseudomonas chlororaphis contains Ca2+ and protoheme IX, the iron of which must be in the form Fe(II) for activity. The enzyme exhibits a strong preference for aliphatic aldoximes, such as butyraldoxime and acetaldoxime, over aromatic aldoximes, such as pyridine-2-aldoxime, which is a poor substrate. No activity was found with the aromatic aldoximes benzaldoxime and pyridine-4-aldoxime.
Synonyms	OxdA; aliphatic aldoxime hydro-lyase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 4.99.1.5
Reaction	an aliphatic aldoxime = an aliphatic nitrile + H2O
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 ℃.