

7-methylxanthine demethylase

Cat. No. EXWM-0728

Lot. No. (See product label)

Introduction

Description

A non-heme iron oxygenase. The enzyme from the bacterium *Pseudomonas putida* prefers NADH over NADPH. The enzyme is specific for 7-methylxanthine. Forms part of the caffeine degradation pathway.

Synonyms

ndmC (gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.14.13.128

Reaction

7-methylxanthine + O₂ + NAD(P)H + H⁺ = xanthine + NAD(P)⁺ + H₂O + formaldehyde

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.